



Full wwPDB NMR Structure Validation Report ⓘ

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PDB ID : 2MY7 / pdb_00002my7
BMRB ID : 19685
Title : NMR Structure of unfolding intermediate state of RRM-3 domain of ETR-3
Authors : Bhatt, H.P.; Ganguly, A.K.; Bhavesh, N.S.
Deposited on : 2015-01-21

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

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

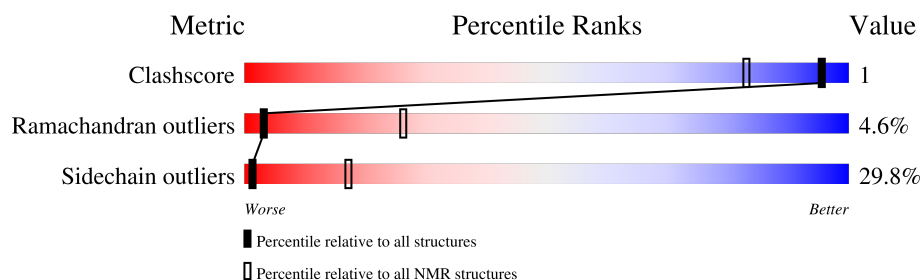
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 83%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	97	33% 40% 5% 22%

2 Ensemble composition and analysis

This entry contains 20 models. Model 5 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *closest to the average*.

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:398-A:437, A:448-A:483 (76)	0.68	5

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

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

The models can be grouped into 3 clusters. No single-model clusters were found.

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

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 1531 atoms, of which 764 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called CUGBP Elav-like family member 2.

Mol	Chain	Residues	Atoms						Trace
1	A	97	Total	C	H	N	O	S	0
			1531	490	764	131	140	6	

There are 4 discrepancies between the modelled and reference sequences:

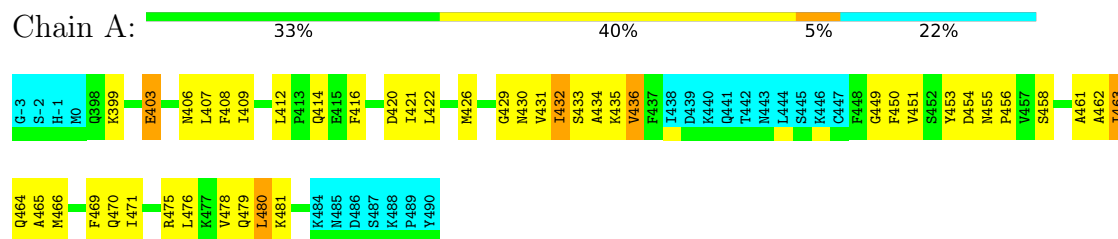
Chain	Residue	Modelled	Actual	Comment	Reference
A	-3	GLY	-	expression tag	UNP O95319
A	-2	SER	-	expression tag	UNP O95319
A	-1	HIS	-	expression tag	UNP O95319
A	0	MET	-	expression tag	UNP O95319

4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

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

- Molecule 1: CUGBP Elav-like family member 2

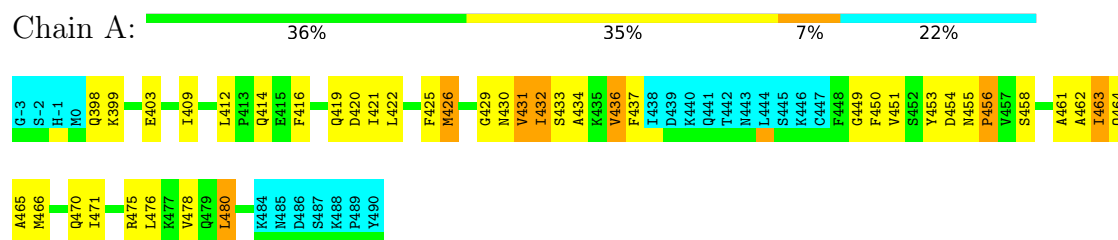


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

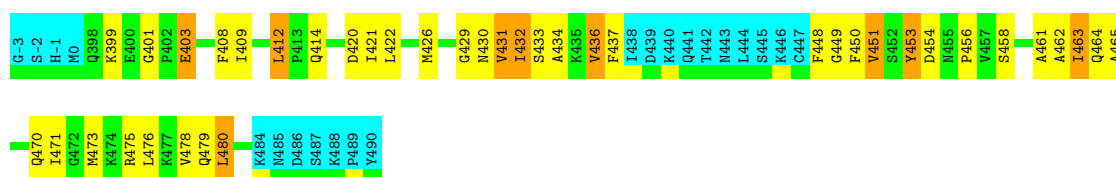
- Molecule 1: CUGBP Elav-like family member 2



4.2.2 Score per residue for model 2

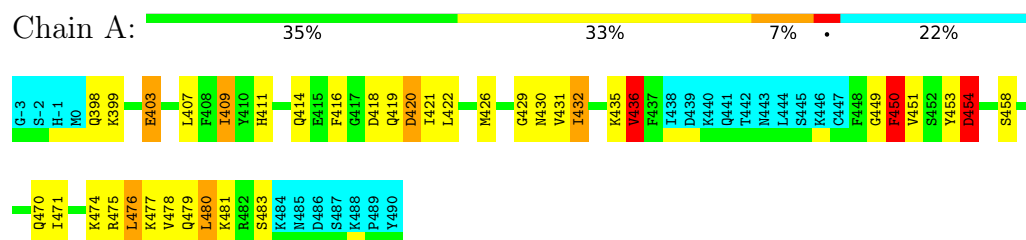
- Molecule 1: CUGBP Elav-like family member 2





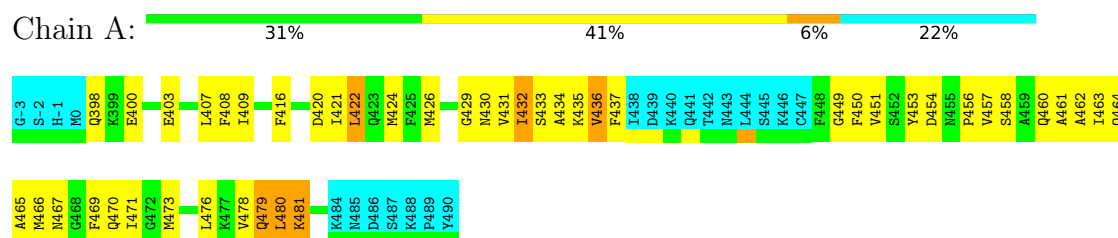
4.2.3 Score per residue for model 3

- Molecule 1: CUGBP Elav-like family member 2



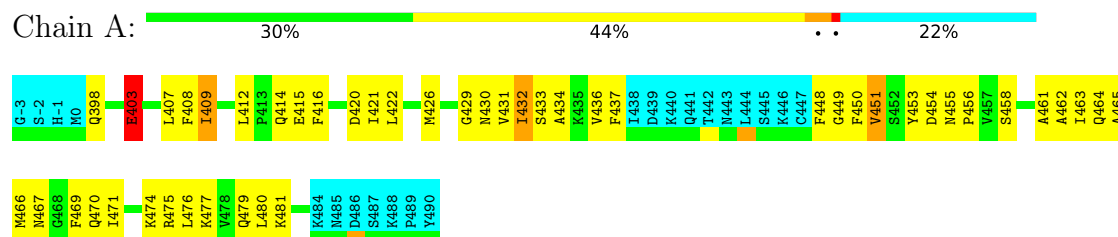
4.2.4 Score per residue for model 4

- Molecule 1: CUGBP Elav-like family member 2



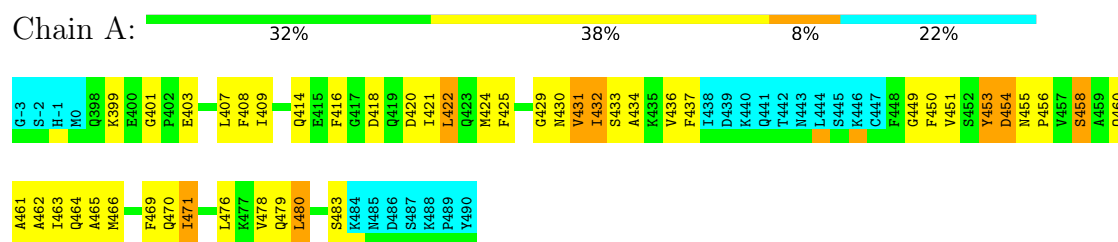
4.2.5 Score per residue for model 5 (medoid)

- Molecule 1: CUGBP Elav-like family member 2



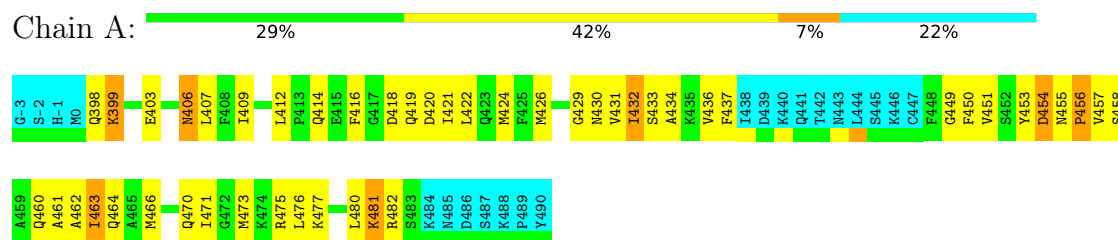
4.2.6 Score per residue for model 6

- Molecule 1: CUGBP Elav-like family member 2



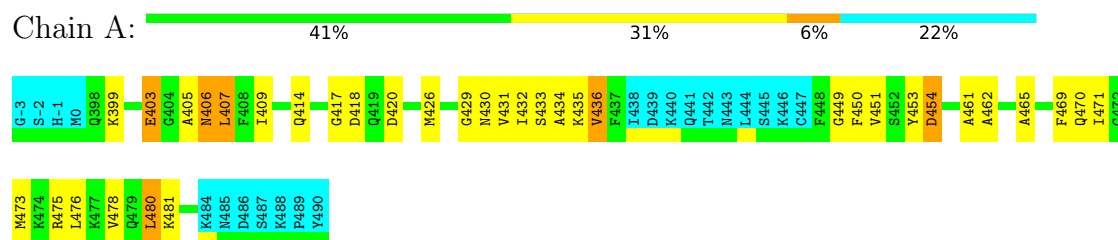
4.2.7 Score per residue for model 7

- Molecule 1: CUGBP Elav-like family member 2



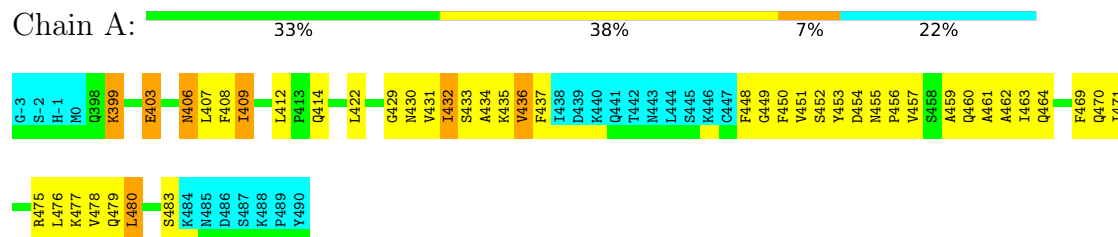
4.2.8 Score per residue for model 8

- Molecule 1: CUGBP Elav-like family member 2



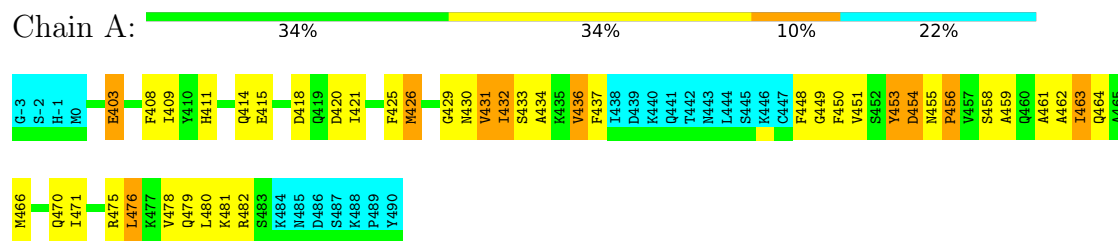
4.2.9 Score per residue for model 9

- Molecule 1: CUGBP Elav-like family member 2



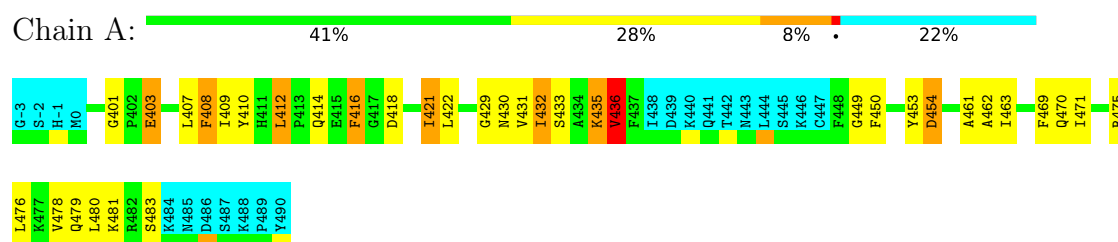
4.2.10 Score per residue for model 10

- Molecule 1: CUGBP Elav-like family member 2



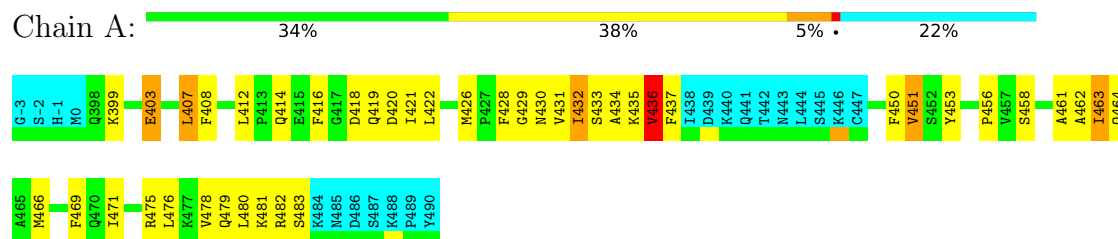
4.2.11 Score per residue for model 11

- Molecule 1: CUGBP Elav-like family member 2



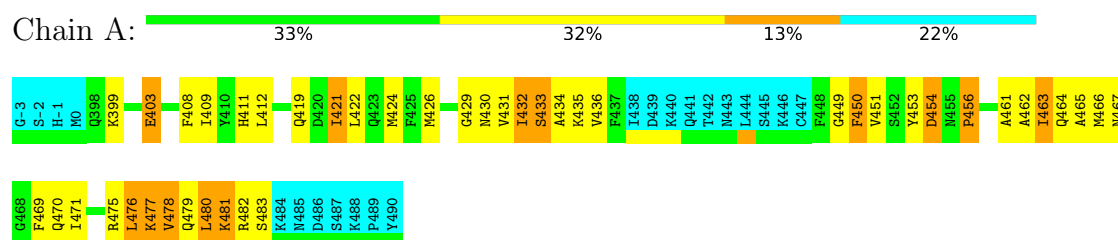
4.2.12 Score per residue for model 12

- Molecule 1: CUGBP Elav-like family member 2



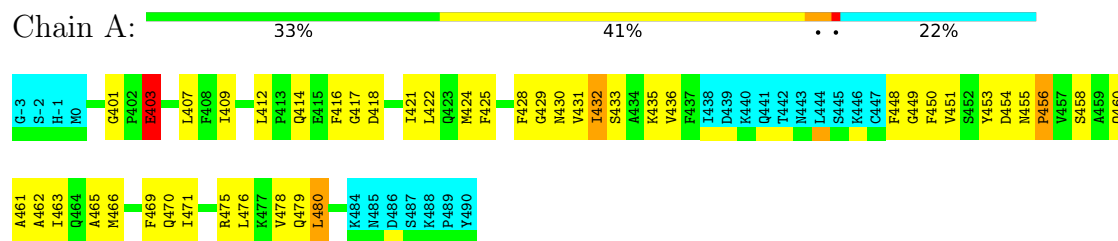
4.2.13 Score per residue for model 13

- Molecule 1: CUGBP Elav-like family member 2



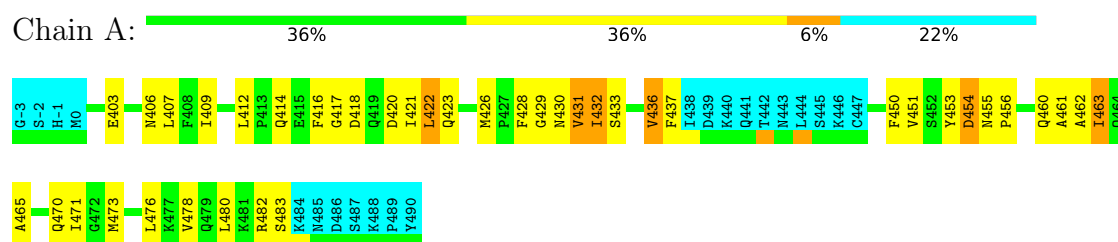
4.2.14 Score per residue for model 14

- Molecule 1: CUGBP Elav-like family member 2



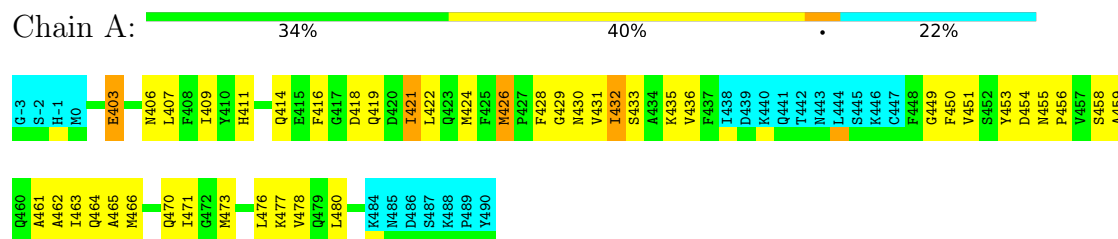
4.2.15 Score per residue for model 15

- Molecule 1: CUGBP Elav-like family member 2



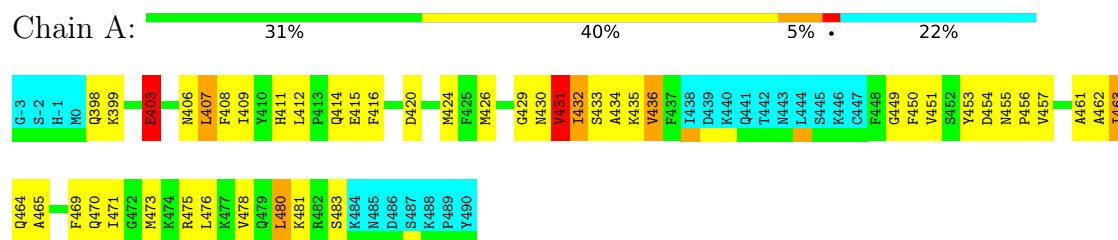
4.2.16 Score per residue for model 16

- Molecule 1: CUGBP Elav-like family member 2



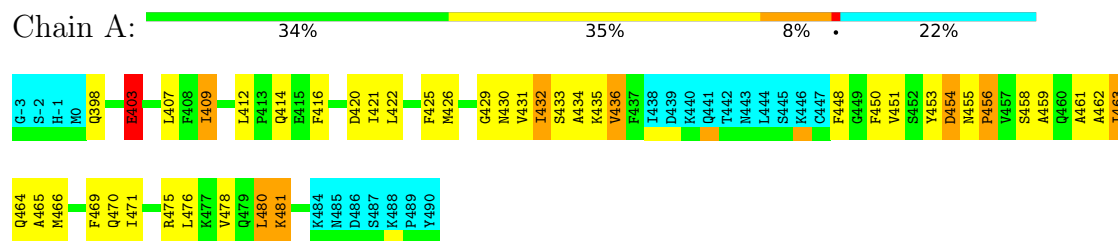
4.2.17 Score per residue for model 17

- Molecule 1: CUGBP Elav-like family member 2



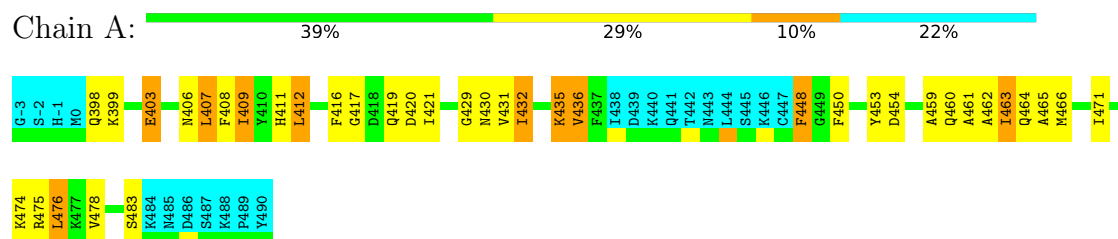
4.2.18 Score per residue for model 18

- Molecule 1: CUGBP Elav-like family member 2



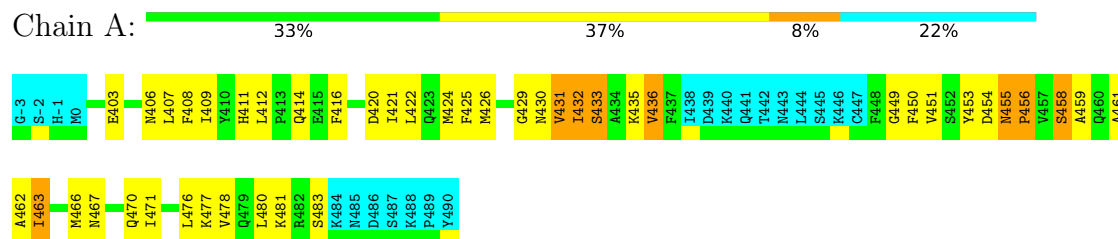
4.2.19 Score per residue for model 19

- Molecule 1: CUGBP Elav-like family member 2



4.2.20 Score per residue for model 20

- Molecule 1: CUGBP Elav-like family member 2



5 Refinement protocol and experimental data overview

The models were refined using the following method: *DGSA-distance geometry simulated annealing, molecular dynamics*.

Of the 100 calculated structures, 20 were deposited, based on the following criterion: *structures with the least restraint violations*.

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

Software name	Classification	Version
CYANA	structure solution	
CYANA	refinement	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1081
Number of shifts mapped to atoms	1081
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	83%

6 Model quality [i](#)

6.1 Standard geometry [i](#)

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	2.23±0.04	31±3/616 (5.0± 0.6%)	1.59±0.04	8±3/828 (1.0± 0.3%)
All	All	2.23	619/12320 (5.0%)	1.59	169/16560 (1.0%)

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	Chirality	Planarity
1	A	0.0±0.0	0.3±0.5
All	All	0	7

All unique bond outliers are listed below. They are sorted according to the Z-score of the worst occurrence in the ensemble.

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	450	PHE	C-N	10.35	1.43	1.33	8	17
1	A	407	LEU	CA-CB	9.59	1.66	1.53	19	15
1	A	436	VAL	CA-CB	9.46	1.65	1.53	11	13
1	A	432	ILE	CA-CB	9.11	1.63	1.55	10	17
1	A	461	ALA	CA-C	8.98	1.64	1.52	1	20
1	A	463	ILE	CA-CB	8.69	1.66	1.54	7	19
1	A	453	TYR	C-N	8.65	1.45	1.33	5	19
1	A	471	ILE	CA-CB	8.42	1.62	1.53	20	19
1	A	449	GLY	N-CA	8.39	1.53	1.45	2	16
1	A	432	ILE	N-CA	8.24	1.53	1.46	20	16
1	A	429	GLY	CA-C	8.21	1.59	1.51	14	20
1	A	462	ALA	N-CA	7.93	1.56	1.46	1	20
1	A	451	VAL	CA-CB	7.84	1.63	1.55	10	16
1	A	480	LEU	N-CA	7.67	1.55	1.46	11	18
1	A	458	SER	C-N	7.53	1.44	1.33	16	12
1	A	433	SER	C-N	7.46	1.42	1.33	4	15

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	430	ASN	CA-C	7.43	1.62	1.52	2	19
1	A	431	VAL	N-CA	7.42	1.55	1.46	11	15
1	A	451	VAL	CA-C	7.32	1.61	1.52	13	7
1	A	417	GLY	N-CA	7.16	1.50	1.44	19	2
1	A	451	VAL	N-CA	7.10	1.53	1.46	3	14
1	A	431	VAL	CA-CB	7.07	1.62	1.54	4	7
1	A	406	ASN	CA-C	7.05	1.60	1.52	8	4
1	A	433	SER	N-CA	7.00	1.54	1.46	1	15
1	A	434	ALA	N-CA	6.97	1.54	1.46	4	12
1	A	463	ILE	CA-C	6.89	1.61	1.52	7	14
1	A	461	ALA	C-N	6.83	1.43	1.33	19	14
1	A	450	PHE	CA-C	6.66	1.60	1.52	13	3
1	A	430	ASN	N-CA	6.63	1.54	1.46	3	20
1	A	476	LEU	CA-CB	6.56	1.61	1.53	13	15
1	A	416	PHE	C-N	6.42	1.40	1.33	19	2
1	A	416	PHE	N-CA	6.39	1.53	1.45	14	5
1	A	433	SER	CA-C	6.37	1.60	1.52	12	11
1	A	450	PHE	N-CA	6.35	1.53	1.45	9	14
1	A	399	LYS	CA-CB	6.34	1.60	1.52	9	4
1	A	458	SER	CA-C	6.33	1.61	1.52	1	7
1	A	430	ASN	C-N	6.21	1.41	1.33	4	3
1	A	407	LEU	C-N	6.21	1.43	1.33	19	3
1	A	409	ILE	CA-CB	6.21	1.61	1.53	9	4
1	A	465	ALA	N-CA	6.12	1.54	1.46	6	13
1	A	416	PHE	CA-CB	6.11	1.60	1.53	19	2
1	A	403	GLU	CA-C	6.06	1.60	1.52	16	7
1	A	428	PHE	C-N	6.06	1.39	1.32	14	4
1	A	453	TYR	CA-C	6.05	1.59	1.52	3	2
1	A	406	ASN	CA-CB	6.05	1.62	1.53	9	5
1	A	477	LYS	N-CA	6.00	1.53	1.46	16	1
1	A	478	VAL	CA-C	5.92	1.59	1.52	13	2
1	A	481	LYS	CA-CB	5.91	1.60	1.53	4	1
1	A	407	LEU	CA-C	5.91	1.60	1.52	9	3
1	A	480	LEU	CA-CB	5.84	1.63	1.53	16	5
1	A	426	MET	C-N	5.83	1.41	1.34	7	5
1	A	459	ALA	N-CA	5.80	1.53	1.46	16	1
1	A	464	GLN	CA-C	5.78	1.60	1.52	16	14
1	A	451	VAL	C-N	5.76	1.41	1.33	13	3
1	A	454	ASP	N-CA	5.69	1.53	1.46	10	8
1	A	479	GLN	C-N	5.67	1.40	1.33	14	5
1	A	467	ASN	C-N	5.64	1.40	1.33	20	4

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	471	ILE	CA-C	5.61	1.57	1.53	16	2
1	A	457	VAL	CA-CB	5.61	1.61	1.54	7	4
1	A	449	GLY	CA-C	5.53	1.57	1.52	1	1
1	A	479	GLN	CA-C	5.50	1.59	1.52	14	1
1	A	429	GLY	C-N	5.49	1.41	1.33	19	7
1	A	464	GLN	C-N	5.46	1.41	1.33	6	2
1	A	421	ILE	CA-CB	5.46	1.61	1.54	13	2
1	A	476	LEU	C-N	5.41	1.40	1.33	16	1
1	A	469	PHE	CA-CB	5.40	1.60	1.53	5	8
1	A	465	ALA	CA-C	5.39	1.60	1.52	19	2
1	A	432	ILE	CA-C	5.34	1.58	1.52	11	1
1	A	481	LYS	N-CA	5.33	1.53	1.46	20	2
1	A	408	PHE	N-CA	5.32	1.53	1.46	9	1
1	A	416	PHE	CA-C	5.28	1.59	1.52	19	1
1	A	477	LYS	CA-C	5.23	1.59	1.52	13	1
1	A	410	TYR	C-N	5.22	1.41	1.33	11	1
1	A	406	ASN	C-N	5.14	1.42	1.33	8	2
1	A	476	LEU	CA-C	5.14	1.59	1.52	16	1
1	A	435	LYS	N-CA	5.14	1.52	1.46	19	1
1	A	435	LYS	C-N	5.11	1.39	1.33	17	1
1	A	463	ILE	N-CA	5.09	1.52	1.46	6	1
1	A	435	LYS	CA-C	5.08	1.58	1.52	19	2
1	A	403	GLU	C-N	5.06	1.40	1.33	18	1
1	A	422	LEU	C-N	5.04	1.40	1.33	15	1
1	A	422	LEU	CA-C	5.04	1.59	1.52	4	1

All unique angle outliers are listed below. They are sorted according to the Z-score of the worst occurrence in the ensemble.

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	A	432	ILE	N-CA-CB	12.19	121.64	111.64	4	11
1	A	436	VAL	N-CA-CB	7.08	118.44	110.72	19	4
1	A	416	PHE	CA-CB-CG	6.81	120.61	113.80	14	7
1	A	437	PHE	CA-CB-CG	6.70	120.50	113.80	12	10
1	A	403	GLU	N-CA-CB	-6.67	99.21	110.49	11	13
1	A	455	ASN	CA-C-N	6.57	128.05	119.84	7	10
1	A	455	ASN	C-N-CA	6.57	128.05	119.84	7	10
1	A	408	PHE	CA-CB-CG	6.50	120.30	113.80	4	11
1	A	407	LEU	CA-C-N	-6.39	114.53	122.84	4	4
1	A	407	LEU	C-N-CA	-6.39	114.53	122.84	4	4
1	A	434	ALA	N-CA-C	6.15	118.64	108.99	7	5

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	A	412	LEU	CA-C-N	6.10	126.07	120.21	11	9
1	A	412	LEU	C-N-CA	6.10	126.07	120.21	11	9
1	A	430	ASN	CA-CB-CG	6.09	118.69	112.60	13	2
1	A	450	PHE	CA-CB-CG	6.01	119.81	113.80	12	8
1	A	453	TYR	N-CA-CB	-5.98	100.63	110.68	5	5
1	A	469	PHE	CA-CB-CG	5.92	119.72	113.80	4	3
1	A	431	VAL	N-CA-CB	5.88	118.67	110.56	10	6
1	A	431	VAL	CA-C-N	-5.86	117.23	122.97	10	2
1	A	431	VAL	C-N-CA	-5.86	117.23	122.97	10	2
1	A	459	ALA	N-CA-C	5.81	117.69	111.36	9	1
1	A	418	ASP	N-CA-CB	5.70	118.45	110.07	10	1
1	A	453	TYR	CA-CB-CG	5.61	123.99	113.90	6	2
1	A	451	VAL	N-CA-C	5.51	115.49	107.88	2	3
1	A	453	TYR	CA-C-O	-5.48	114.44	120.36	17	3
1	A	480	LEU	CA-C-O	-5.40	115.82	121.55	11	2
1	A	448	PHE	CA-CB-CG	5.39	119.19	113.80	19	1
1	A	418	ASP	N-CA-C	5.38	118.30	111.69	8	4
1	A	481	LYS	N-CA-CB	5.32	117.91	109.51	18	1
1	A	456	PRO	N-CA-C	5.31	123.41	112.47	7	7
1	A	417	GLY	CA-C-O	-5.19	116.34	121.48	8	1
1	A	461	ALA	N-CA-C	5.18	117.83	111.82	18	2
1	A	450	PHE	CA-C-N	-5.16	115.75	122.51	19	1
1	A	450	PHE	C-N-CA	-5.16	115.75	122.51	19	1
1	A	481	LYS	CA-CB-CG	5.15	124.40	114.10	18	2
1	A	429	GLY	N-CA-C	5.14	117.08	110.96	14	1
1	A	409	ILE	N-CA-C	5.12	115.46	107.99	3	1

There are no chirality outliers.

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

Mol	Chain	Res	Type	Group	Models (Total)
1	A	416	PHE	Peptide	3
1	A	453	TYR	Sidechain	3
1	A	399	LYS	Peptide	1

6.2 Too-close contacts [i](#)

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

averaged over the ensemble.

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	601	597	596	1±1
All	All	12020	11940	11920	23

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 1.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:426:MET:HE2	1:A:431:VAL:HG13	0.68	1.66	17	6
1:A:426:MET:HE2	1:A:431:VAL:HG22	0.66	1.68	15	1
1:A:418:ASP:HB3	1:A:436:VAL:HG22	0.57	1.77	12	3
1:A:405:ALA:HB1	1:A:407:LEU:HD21	0.50	1.84	8	1
1:A:459:ALA:O	1:A:463:ILE:HG12	0.49	2.07	18	3
1:A:398:GLN:HB2	1:A:450:PHE:CZ	0.46	2.44	3	1
1:A:469:PHE:CE2	1:A:471:ILE:HD11	0.45	2.46	6	1
1:A:417:GLY:O	1:A:421:ILE:HB	0.45	2.12	15	1
1:A:426:MET:HE3	1:A:431:VAL:HG13	0.45	1.88	18	1
1:A:459:ALA:O	1:A:463:ILE:HG13	0.44	2.13	19	1
1:A:422:LEU:HB3	1:A:431:VAL:HG11	0.42	1.91	6	1
1:A:416:PHE:CE2	1:A:421:ILE:HA	0.42	2.50	11	1
1:A:416:PHE:HA	1:A:420:ASP:OD1	0.41	2.16	3	1
1:A:453:TYR:CE2	1:A:458:SER:HB2	0.40	2.51	2	1

6.3 Torsion angles [i](#)

6.3.1 Protein backbone [i](#)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	76/97 (78%)	67±2 (88±2%)	6±2 (8±2%)	4±1 (5±1%)	3	26
All	All	1520/1940 (78%)	1335 (88%)	115 (8%)	70 (5%)	3	26

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

Mol	Chain	Res	Type	Models (Total)
1	A	403	GLU	20
1	A	454	ASP	19
1	A	456	PRO	16
1	A	483	SER	9
1	A	401	GLY	4
1	A	481	LYS	2

6.3.2 Protein sidechains ⓘ

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	63/83 (76%)	44±3 (70±4%)	19±3 (30±4%)	1	17
All	All	1260/1660 (76%)	884 (70%)	376 (30%)	1	17

All 50 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	432	ILE	20
1	A	436	VAL	20
1	A	409	ILE	19
1	A	470	GLN	18
1	A	414	GLN	17
1	A	478	VAL	17
1	A	421	ILE	16
1	A	422	LEU	16
1	A	420	ASP	15
1	A	475	ARG	15
1	A	466	MET	13
1	A	435	LYS	12
1	A	480	LEU	11
1	A	476	LEU	9
1	A	481	LYS	9
1	A	399	LYS	8
1	A	463	ILE	8
1	A	412	LEU	8
1	A	424	MET	8
1	A	398	GLN	7

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Mol	Chain	Res	Type	Models (Total)
1	A	419	GLN	7
1	A	448	PHE	7
1	A	473	MET	7
1	A	479	GLN	7
1	A	411	HIS	7
1	A	460	GLN	7
1	A	425	PHE	6
1	A	477	LYS	6
1	A	406	ASN	6
1	A	426	MET	5
1	A	403	GLU	5
1	A	482	ARG	5
1	A	451	VAL	3
1	A	450	PHE	3
1	A	474	LYS	3
1	A	415	GLU	3
1	A	455	ASN	3
1	A	407	LEU	3
1	A	431	VAL	2
1	A	454	ASP	2
1	A	418	ASP	2
1	A	458	SER	2
1	A	433	SER	2
1	A	471	ILE	1
1	A	400	GLU	1
1	A	452	SER	1
1	A	408	PHE	1
1	A	464	GLN	1
1	A	423	GLN	1
1	A	483	SER	1

6.3.3 RNA ⓘ

There are no RNA molecules in this entry.

6.4 Non-standard residues in protein, DNA, RNA chains ⓘ

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

6.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 83% for the well-defined parts and 81% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	1081
Number of shifts mapped to atoms	1081
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	97	0.41 ± 0.09	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	89	0.14 ± 0.12	None needed (< 0.5 ppm)
$^{13}\text{C}'$	97	0.65 ± 0.19	Should be applied
^{15}N	92	-0.05 ± 0.60	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 83%, i.e. 872 atoms were assigned a chemical shift out of a possible 1052. 0 out of 10 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	379/379 (100%)	155/155 (100%)	152/152 (100%)	72/72 (100%)
Sidechain	451/567 (80%)	295/369 (80%)	144/175 (82%)	12/23 (52%)

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	Total	¹ H	¹³ C	¹⁵ N
Aromatic	42/106 (40%)	21/52 (40%)	21/52 (40%)	0/2 (0%)
Overall	872/1052 (83%)	471/576 (82%)	317/379 (84%)	84/97 (87%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 81%, i.e. 1080 atoms were assigned a chemical shift out of a possible 1326. 0 out of 11 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	480/483 (99%)	194/197 (98%)	194/194 (100%)	92/92 (100%)
Sidechain	554/720 (77%)	360/466 (77%)	179/224 (80%)	15/30 (50%)
Aromatic	46/123 (37%)	23/60 (38%)	23/59 (39%)	0/4 (0%)
Overall	1080/1326 (81%)	577/723 (80%)	396/477 (83%)	107/126 (85%)

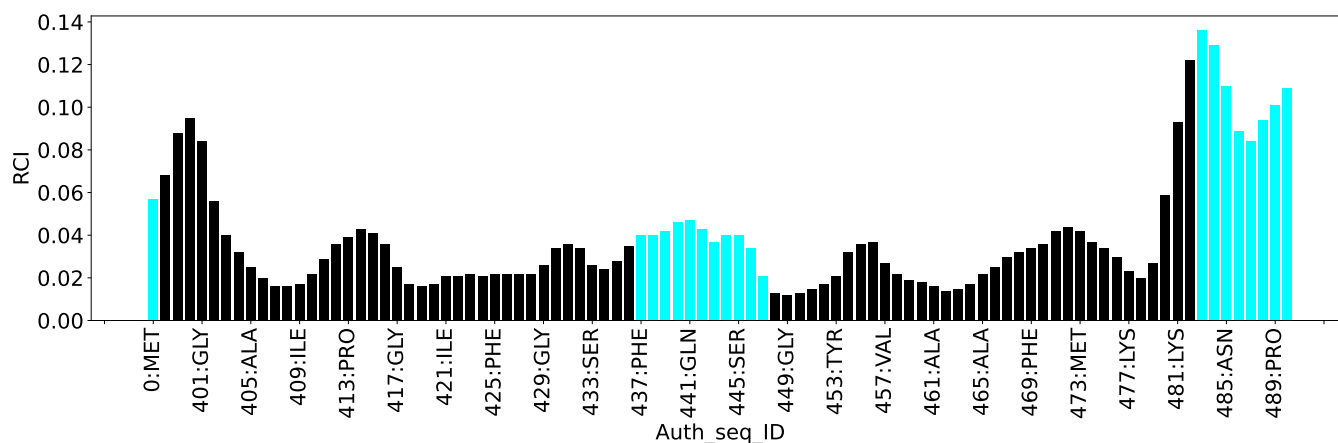
7.1.4 Statistically unusual chemical shifts ⓘ

There are no statistically unusual chemical shifts.

7.1.5 Random Coil Index (RCI) plots ⓘ

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

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	1605
Intra-residue ($ i-j =0$)	415
Sequential ($ i-j =1$)	529
Medium range ($ i-j >1$ and $ i-j <5$)	237
Long range ($ i-j \geq 5$)	424
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	160
Number of unmapped restraints	0
Number of restraints per residue	18.2
Number of long range restraints per residue ¹	4.4

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	134.2	0.2
0.2-0.5 (Medium)	248.3	0.5
>0.5 (Large)	768.3	3.52

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	53.8	10.0
10.0-20.0 (Medium)	8.8	18.66
>20.0 (Large)	0.1	20.42

9 Distance violation analysis ⓘ

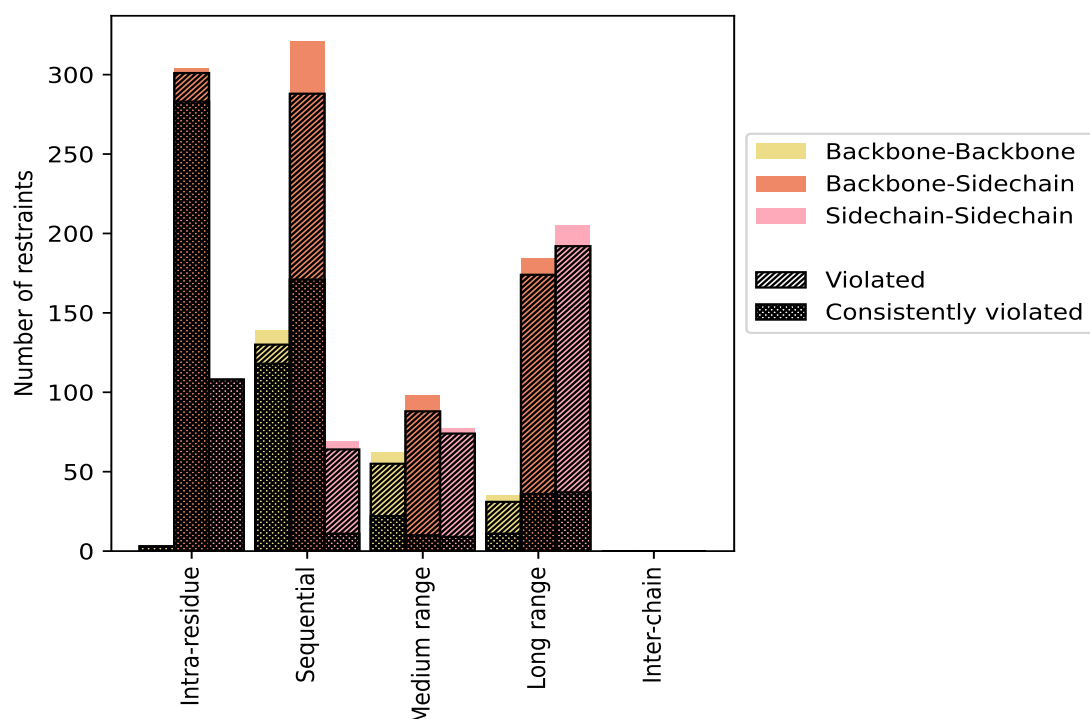
9.1 Summary of distance violations ⓘ

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

Restraints type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue (i-j =0)	415	25.9	412	99.3	25.7	394	94.9	24.5
Backbone-Backbone	3	0.2	3	100.0	0.2	3	100.0	0.2
Backbone-Sidechain	304	18.9	301	99.0	18.8	283	93.1	17.6
Sidechain-Sidechain	108	6.7	108	100.0	6.7	108	100.0	6.7
Sequential (i-j =1)	529	33.0	482	91.1	30.0	300	56.7	18.7
Backbone-Backbone	139	8.7	130	93.5	8.1	118	84.9	7.4
Backbone-Sidechain	321	20.0	288	89.7	17.9	171	53.3	10.7
Sidechain-Sidechain	69	4.3	64	92.8	4.0	11	15.9	0.7
Medium range (i-j >1 & i-j <5)	237	14.8	217	91.6	13.5	41	17.3	2.6
Backbone-Backbone	62	3.9	55	88.7	3.4	22	35.5	1.4
Backbone-Sidechain	98	6.1	88	89.8	5.5	10	10.2	0.6
Sidechain-Sidechain	77	4.8	74	96.1	4.6	9	11.7	0.6
Long range (i-j ≥5)	424	26.4	397	93.6	24.7	84	19.8	5.2
Backbone-Backbone	35	2.2	31	88.6	1.9	11	31.4	0.7
Backbone-Sidechain	184	11.5	174	94.6	10.8	36	19.6	2.2
Sidechain-Sidechain	205	12.8	192	93.7	12.0	37	18.0	2.3
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	1605	100.0	1508	94.0	94.0	819	51.0	51.0
Backbone-Backbone	239	14.9	219	91.6	13.6	154	64.4	9.6
Backbone-Sidechain	907	56.5	851	93.8	53.0	500	55.1	31.2
Sidechain-Sidechain	459	28.6	438	95.4	27.3	165	35.9	10.3

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

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



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

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

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
1	404	393	118	253	0	1168	1.29	3.17	0.92	1.24
2	405	391	126	249	0	1171	1.3	3.1	0.93	1.23
3	402	380	131	253	0	1166	1.28	3.16	0.93	1.21
4	403	384	119	252	0	1158	1.3	3.24	0.93	1.22
5	403	386	118	241	0	1148	1.31	3.18	0.92	1.24
6	402	393	127	254	0	1176	1.29	3.35	0.92	1.22
7	405	385	119	240	0	1149	1.28	3.52	0.93	1.21
8	404	372	125	238	0	1139	1.29	3.01	0.93	1.2
9	405	385	128	223	0	1141	1.3	3.27	0.94	1.2
10	403	388	111	256	0	1158	1.29	3.13	0.92	1.2

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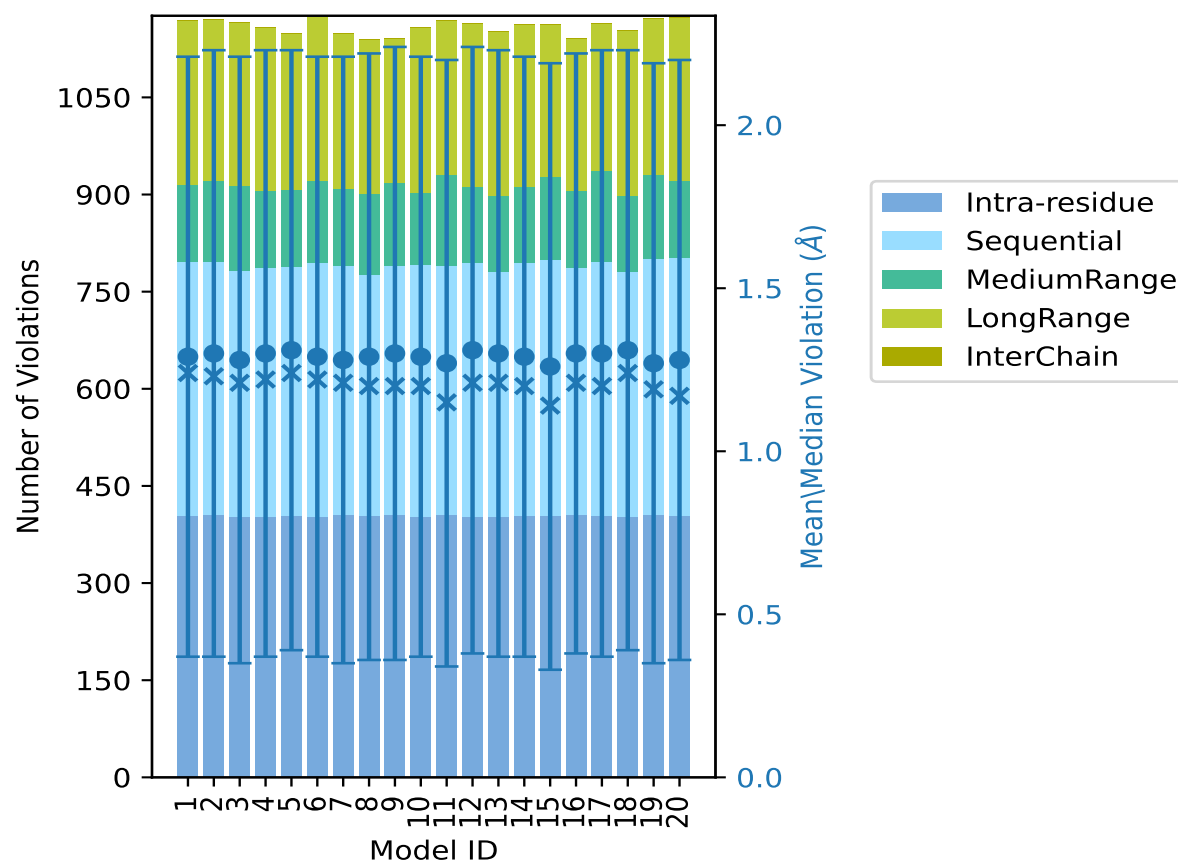
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	405	386	139	239	0	1169	1.27	3.21	0.93	1.15
12	402	392	117	253	0	1164	1.31	3.2	0.93	1.21
13	402	379	118	252	0	1151	1.3	3.25	0.93	1.21
14	404	390	118	250	0	1162	1.29	3.17	0.92	1.2
15	404	395	128	236	0	1163	1.26	3.11	0.93	1.14
16	405	381	120	235	0	1141	1.3	3.21	0.92	1.21
17	404	393	139	228	0	1164	1.3	3.07	0.93	1.2
18	402	379	118	255	0	1154	1.31	3.17	0.92	1.24
19	406	394	131	241	0	1172	1.27	3.08	0.92	1.19
20	405	397	120	251	0	1173	1.28	3.2	0.92	1.17

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

⁵Inter-chain restraints, ⁶Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model ⓘ



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

9.3 Distance violation statistics for the ensemble

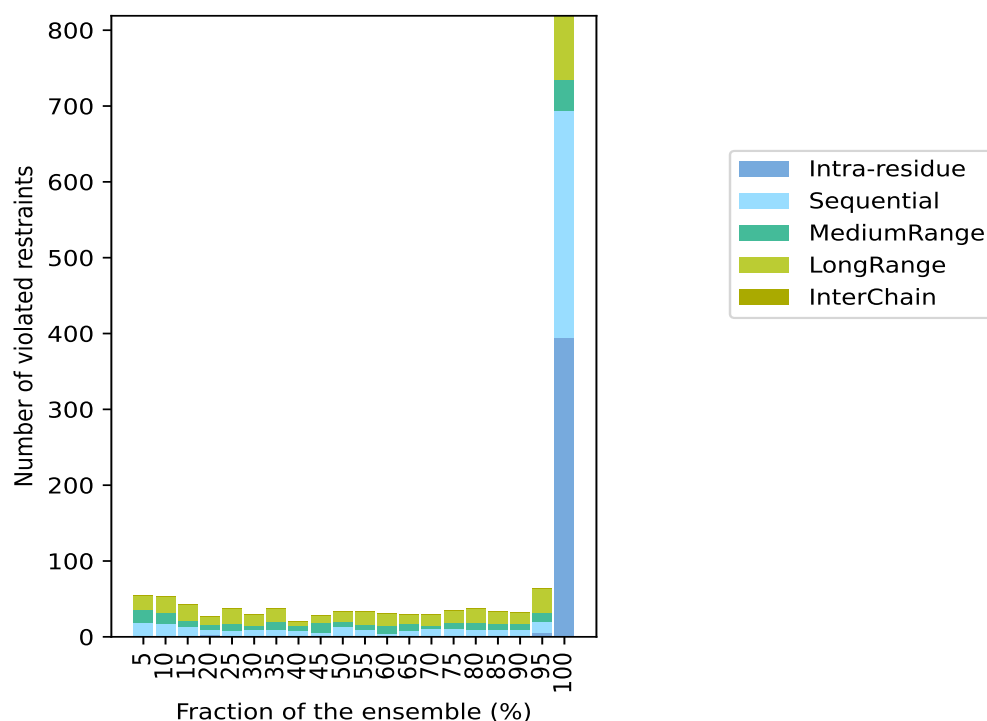
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 97(IR:3, SQ:47, MR:20, LR:27, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total	Count ⁶	%
1	17	18	18	0	54	1	5.0
1	16	15	21	0	53	2	10.0
0	14	8	20	0	42	3	15.0
3	6	7	11	0	27	4	20.0
0	8	9	21	0	38	5	25.0
1	8	6	15	0	30	6	30.0
0	9	11	17	0	37	7	35.0
2	6	6	6	0	20	8	40.0
2	3	13	10	0	28	9	45.0
0	13	7	14	0	34	10	50.0
0	9	7	18	0	34	11	55.0
0	4	10	17	0	31	12	60.0
0	8	9	12	0	29	13	65.0
1	9	5	14	0	29	14	70.0
1	10	7	17	0	35	15	75.0
1	8	10	19	0	38	16	80.0
0	10	8	16	0	34	17	85.0
0	9	8	15	0	32	18	90.0
5	15	12	32	0	64	19	95.0
394	300	41	84	0	819	20	100.0

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

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

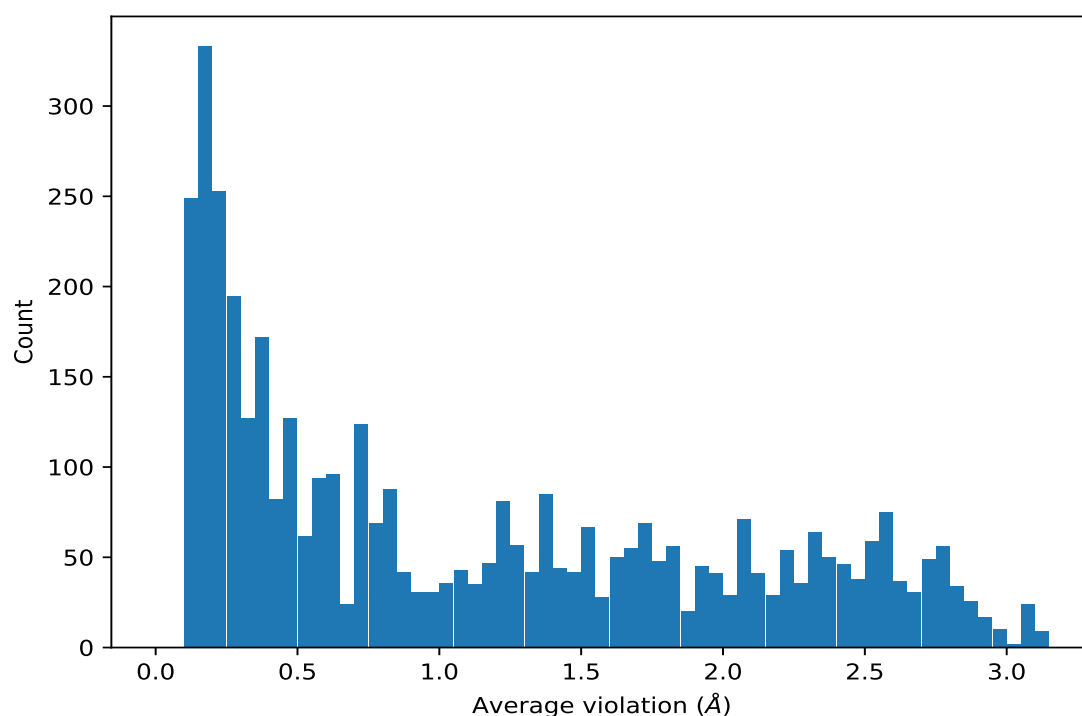
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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



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

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

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	20	3.1	0.08	3.11
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	20	3.1	0.08	3.11
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	20	3.1	0.08	3.11
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	20	3.1	0.08	3.11
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	20	3.1	0.08	3.11
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	20	3.1	0.08	3.11
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	20	3.1	0.08	3.11
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	20	3.1	0.08	3.11
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	20	3.1	0.08	3.11
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	20	3.05	0.04	3.04
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	20	3.05	0.04	3.04
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	20	3.05	0.04	3.04
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	20	3.05	0.04	3.04
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	20	3.05	0.04	3.04
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	20	3.05	0.04	3.04
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	20	3.05	0.04	3.04

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	20	3.05	0.04	3.04
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	20	3.05	0.04	3.04
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	20	3.05	0.04	3.04
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	20	3.05	0.04	3.04
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	20	3.05	0.04	3.04
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	20	3.05	0.04	3.04
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	20	3.05	0.04	3.04
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	20	3.05	0.04	3.04
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	20	3.05	0.04	3.04
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	20	3.05	0.04	3.04
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	20	3.05	0.04	3.04
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	20	3.05	0.04	3.04
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	20	3.05	0.04	3.04
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	20	3.05	0.04	3.04
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	20	3.05	0.04	3.04
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	20	3.05	0.04	3.04
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	20	3.05	0.04	3.04
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD2	20	3.04	0.09	3.06
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD3	20	3.04	0.09	3.06
(1,601)	1:429:A:GLY:H	1:453:A:TYR:HB2	20	2.99	0.14	2.95
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	20	2.98	0.12	3.01
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	20	2.98	0.12	3.01
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	20	2.98	0.12	3.01
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	20	2.98	0.12	3.01
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	20	2.98	0.12	3.01
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	20	2.98	0.12	3.01
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	20	2.98	0.12	3.01
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	20	2.98	0.12	3.01
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	20	2.98	0.12	3.01
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG2	20	2.94	0.02	2.94
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG3	20	2.94	0.02	2.94
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG2	20	2.94	0.02	2.94
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG3	20	2.94	0.02	2.94
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG2	20	2.94	0.01	2.94
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG3	20	2.94	0.01	2.94
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG2	20	2.94	0.01	2.94
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG3	20	2.94	0.01	2.94
(1,1058)	1:409:A:ILE:HA	1:410:A:TYR:H	20	2.91	0.04	2.91
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	20	2.91	0.05	2.94
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	20	2.91	0.05	2.94
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	20	2.91	0.05	2.94
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	20	2.91	0.05	2.94

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	20	2.91	0.05	2.94
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	20	2.91	0.05	2.94
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	20	2.91	0.05	2.94
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	20	2.91	0.05	2.94
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	20	2.89	0.04	2.89
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	20	2.89	0.04	2.89
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	20	2.89	0.04	2.89
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	20	2.89	0.04	2.89
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE2	20	2.89	0.06	2.88
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE3	20	2.89	0.06	2.88
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE2	20	2.89	0.06	2.88
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE3	20	2.89	0.06	2.88
(1,1229)	1:455:A:ASN:HA	1:456:A:PRO:HD2	20	2.89	0.07	2.9
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	20	2.88	0.04	2.85
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	20	2.88	0.04	2.85
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	20	2.88	0.04	2.85
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	20	2.88	0.04	2.85
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	20	2.88	0.05	2.85
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	20	2.88	0.05	2.85
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	20	2.88	0.05	2.85
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	20	2.88	0.05	2.85
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	20	2.88	0.05	2.85
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	20	2.88	0.05	2.85
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	20	2.88	0.05	2.85
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	20	2.88	0.05	2.85
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	20	2.88	0.05	2.85
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	20	2.88	0.05	2.85
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	20	2.88	0.05	2.85
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	20	2.88	0.05	2.85
(1,73)	1:414:A:GLN:H	1:414:A:GLN:HB3	20	2.87	0.08	2.88
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	20	2.84	0.01	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	20	2.84	0.01	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	20	2.84	0.01	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	20	2.84	0.01	2.84
(1,230)	1:437:A:PHE:HA	1:438:A:ILE:H	20	2.83	0.07	2.86
(1,330)	1:403:A:GLU:H	1:403:A:GLU:HB2	20	2.82	0.18	2.8
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	20	2.81	0.08	2.83
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	20	2.81	0.08	2.83
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	20	2.81	0.08	2.83
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	20	2.81	0.08	2.83
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	20	2.81	0.08	2.83
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	20	2.81	0.08	2.83

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG21	20	2.81	0.11	2.8
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG22	20	2.81	0.11	2.8
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG23	20	2.81	0.11	2.8
(1,254)	1:434:A:ALA:HA	1:435:A:LYS:H	20	2.81	0.1	2.82
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	20	2.8	0.07	2.82
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	20	2.8	0.07	2.82
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	20	2.8	0.07	2.82
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	20	2.8	0.07	2.82
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	20	2.8	0.07	2.82
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	20	2.8	0.07	2.82
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	20	2.8	0.07	2.82
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	20	2.8	0.07	2.82
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	20	2.8	0.07	2.82
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	20	2.8	0.07	2.82
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	20	2.8	0.07	2.82
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	20	2.8	0.07	2.82
(1,325)	1:451:A:VAL:HG21	1:452:A:SER:H	20	2.8	0.16	2.74
(1,325)	1:451:A:VAL:HG22	1:452:A:SER:H	20	2.8	0.16	2.74
(1,325)	1:451:A:VAL:HG23	1:452:A:SER:H	20	2.8	0.16	2.74
(1,775)	1:451:A:VAL:HG21	1:452:A:SER:H	20	2.8	0.16	2.74
(1,775)	1:451:A:VAL:HG22	1:452:A:SER:H	20	2.8	0.16	2.74
(1,775)	1:451:A:VAL:HG23	1:452:A:SER:H	20	2.8	0.16	2.74
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD2	20	2.79	0.19	2.8
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD3	20	2.79	0.19	2.8
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG21	20	2.79	0.03	2.79
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG22	20	2.79	0.03	2.79
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG23	20	2.79	0.03	2.79
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG21	20	2.79	0.03	2.79
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG22	20	2.79	0.03	2.79
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG23	20	2.79	0.03	2.79
(1,27)	1:426:A:MET:H	1:426:A:MET:HB2	20	2.79	0.08	2.8
(1,27)	1:426:A:MET:H	1:426:A:MET:HB3	20	2.79	0.08	2.8
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE1	20	2.78	0.05	2.78
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE2	20	2.78	0.05	2.78
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE3	20	2.78	0.05	2.78
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE1	20	2.78	0.05	2.78
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE2	20	2.78	0.05	2.78
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE3	20	2.78	0.05	2.78
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG21	20	2.77	0.05	2.78
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG22	20	2.77	0.05	2.78
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG23	20	2.77	0.05	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	20	2.77	0.04	2.77

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	20	2.77	0.04	2.77
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	20	2.77	0.04	2.77
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	20	2.77	0.04	2.77
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	20	2.77	0.04	2.77
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	20	2.77	0.04	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	20	2.77	0.09	2.78
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	20	2.77	0.09	2.78
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	20	2.77	0.09	2.78
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	20	2.77	0.09	2.78
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	20	2.77	0.09	2.78
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	20	2.77	0.09	2.78
(1,56)	1:470:A:GLN:HA	1:471:A:ILE:H	20	2.76	0.05	2.78
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	20	2.76	0.05	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	20	2.76	0.05	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	20	2.76	0.05	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	20	2.76	0.05	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	20	2.76	0.05	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	20	2.76	0.05	2.76
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG11	20	2.76	0.07	2.76
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG12	20	2.76	0.07	2.76
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG13	20	2.76	0.07	2.76
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG21	20	2.76	0.07	2.76
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG22	20	2.76	0.07	2.76
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG23	20	2.76	0.07	2.76
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	20	2.75	0.18	2.86
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	20	2.75	0.18	2.86
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	20	2.75	0.18	2.86
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	20	2.75	0.18	2.86
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	20	2.75	0.18	2.86
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	20	2.75	0.18	2.86
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	20	2.75	0.18	2.86
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	20	2.75	0.18	2.86
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	20	2.75	0.18	2.86
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	20	2.75	0.18	2.86
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	20	2.75	0.18	2.86
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	20	2.75	0.18	2.86
(1,172)	1:398:A:GLN:HA	1:399:A:LYS:H	20	2.74	0.05	2.74
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	20	2.74	0.16	2.75
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	20	2.74	0.16	2.75
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	20	2.74	0.16	2.75
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	20	2.74	0.16	2.75
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	20	2.74	0.16	2.75

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	20	2.74	0.16	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	20	2.74	0.08	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	20	2.74	0.08	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	20	2.74	0.08	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	20	2.74	0.08	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	20	2.74	0.08	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	20	2.74	0.08	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	20	2.74	0.08	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	20	2.74	0.08	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	20	2.74	0.08	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	20	2.74	0.08	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	20	2.74	0.08	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	20	2.74	0.08	2.75
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG21	20	2.73	0.05	2.74
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG22	20	2.73	0.05	2.74
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG23	20	2.73	0.05	2.74
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	20	2.73	0.08	2.74
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	20	2.73	0.08	2.74
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	20	2.73	0.08	2.74
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	20	2.73	0.08	2.74
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	20	2.73	0.08	2.74
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	20	2.73	0.08	2.74
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD2	20	2.72	0.65	2.98
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD3	20	2.72	0.65	2.98
(1,527)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	20	2.71	0.15	2.75
(1,527)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	20	2.71	0.15	2.75
(1,427)	1:443:A:ASN:H	1:443:A:ASN:HA	20	2.71	0.02	2.71
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB2	20	2.71	0.04	2.72
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB3	20	2.71	0.04	2.72
(1,589)	1:448:A:PHE:HA	1:449:A:GLY:H	20	2.71	0.11	2.73
(1,77)	1:445:A:SER:HA	1:446:A:LYS:H	20	2.71	0.13	2.77
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD1	20	2.71	0.13	2.7
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD2	20	2.71	0.13	2.7
(1,663)	1:412:A:LEU:H	1:412:A:LEU:HG	20	2.7	0.56	2.88
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	20	2.7	0.19	2.76
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	20	2.7	0.19	2.76
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	20	2.7	0.19	2.76
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	20	2.7	0.19	2.76
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	20	2.7	0.19	2.76
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	20	2.7	0.19	2.76
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	20	2.7	0.19	2.76
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	20	2.7	0.19	2.76

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	20	2.7	0.19	2.76
(1,236)	1:399:A:LYS:HA	1:400:A:GLU:H	20	2.69	0.09	2.7
(1,239)	1:400:A:GLU:H	1:400:A:GLU:HG2	20	2.69	0.2	2.74
(1,1053)	1:400:A:GLU:H	1:400:A:GLU:HG2	20	2.69	0.2	2.74
(1,472)	1:424:A:MET:H	1:424:A:MET:HB2	20	2.69	0.11	2.7
(1,472)	1:424:A:MET:H	1:424:A:MET:HB3	20	2.69	0.11	2.7
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG11	20	2.69	0.08	2.7
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG12	20	2.69	0.08	2.7
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG13	20	2.69	0.08	2.7
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG11	20	2.69	0.08	2.7
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG12	20	2.69	0.08	2.7
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG13	20	2.69	0.08	2.7
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG2	20	2.68	0.15	2.78
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG3	20	2.68	0.15	2.78
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD2	20	2.67	0.08	2.7
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD3	20	2.67	0.08	2.7
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB1	20	2.67	0.05	2.68
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB2	20	2.67	0.05	2.68
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB3	20	2.67	0.05	2.68
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB1	20	2.67	0.05	2.68
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB2	20	2.67	0.05	2.68
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB3	20	2.67	0.05	2.68
(1,426)	1:442:A:THR:H	1:443:A:ASN:H	20	2.67	0.2	2.62
(1,326)	1:402:A:PRO:HB2	1:403:A:GLU:H	20	2.67	0.13	2.66
(1,326)	1:402:A:PRO:HB3	1:403:A:GLU:H	20	2.67	0.13	2.66
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG11	20	2.65	0.08	2.64
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG12	20	2.65	0.08	2.64
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG13	20	2.65	0.08	2.64
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG21	20	2.65	0.08	2.64
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG22	20	2.65	0.08	2.64
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG23	20	2.65	0.08	2.64
(1,1175)	1:439:A:ASP:HA	1:440:A:LYS:H	20	2.65	0.07	2.64
(1,3)	1:469:A:PHE:HA	1:470:A:GLN:H	20	2.64	0.02	2.63
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB2	20	2.63	0.13	2.68
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB3	20	2.63	0.13	2.68
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD11	20	2.63	0.08	2.65
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD12	20	2.63	0.08	2.65
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD13	20	2.63	0.08	2.65
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD2	20	2.63	0.13	2.62
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD3	20	2.63	0.13	2.62
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD2	20	2.63	0.13	2.62
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD3	20	2.63	0.13	2.62

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE2	20	2.63	0.12	2.62
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE3	20	2.63	0.12	2.62
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE2	20	2.63	0.12	2.62
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE3	20	2.63	0.12	2.62
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB2	20	2.63	0.11	2.56
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB3	20	2.63	0.11	2.56
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB2	20	2.63	0.11	2.56
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB3	20	2.63	0.11	2.56
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB1	20	2.62	0.07	2.62
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB2	20	2.62	0.07	2.62
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB3	20	2.62	0.07	2.62
(1,554)	1:425:A:PHE:H	1:425:A:PHE:HB2	20	2.62	0.1	2.64
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	20	2.62	0.14	2.69
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	20	2.62	0.14	2.69
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	20	2.62	0.14	2.69
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	20	2.62	0.14	2.69
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	20	2.62	0.14	2.69
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	20	2.62	0.14	2.69
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	20	2.62	0.14	2.69
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	20	2.62	0.14	2.69
(1,1474)	1:398:A:GLN:HB2	1:398:A:GLN:HG2	20	2.62	0.15	2.62
(1,1474)	1:398:A:GLN:HB3	1:398:A:GLN:HG2	20	2.62	0.15	2.62
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG2	20	2.62	0.14	2.7
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG3	20	2.62	0.14	2.7
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB2	20	2.61	0.14	2.62
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB3	20	2.61	0.14	2.62
(1,265)	1:408:A:PHE:HA	1:409:A:ILE:H	20	2.6	0.05	2.6
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	20	2.59	0.23	2.68
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	20	2.59	0.23	2.68
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	20	2.59	0.23	2.68
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	20	2.59	0.23	2.68
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	20	2.59	0.23	2.68
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	20	2.59	0.23	2.68
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	20	2.59	0.23	2.68
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	20	2.59	0.23	2.68
(1,46)	1:439:A:ASP:H	1:439:A:ASP:HB2	20	2.59	0.2	2.64
(1,45)	1:438:A:ILE:HA	1:439:A:ASP:H	20	2.58	0.09	2.6
(1,936)	1:459:A:ALA:HB1	1:460:A:GLN:H	20	2.58	0.36	2.64
(1,936)	1:459:A:ALA:HB2	1:460:A:GLN:H	20	2.58	0.36	2.64
(1,936)	1:459:A:ALA:HB3	1:460:A:GLN:H	20	2.58	0.36	2.64
(1,1113)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	20	2.58	0.07	2.55
(1,1113)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	20	2.58	0.07	2.55

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1222)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	20	2.58	0.07	2.55
(1,1222)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	20	2.58	0.07	2.55
(1,1462)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	20	2.58	0.07	2.55
(1,1462)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	20	2.58	0.07	2.55
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	20	2.58	0.07	2.58
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	20	2.58	0.07	2.58
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	20	2.58	0.07	2.58
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	20	2.58	0.07	2.58
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	20	2.58	0.07	2.58
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	20	2.58	0.07	2.58
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG2	20	2.58	0.04	2.56
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG3	20	2.58	0.04	2.56
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD11	20	2.57	0.19	2.62
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD12	20	2.57	0.19	2.62
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD13	20	2.57	0.19	2.62
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD11	20	2.57	0.19	2.62
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD12	20	2.57	0.19	2.62
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD13	20	2.57	0.19	2.62
(1,246)	1:452:A:SER:HA	1:453:A:TYR:H	20	2.57	0.05	2.57
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD1	20	2.57	0.18	2.6
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD2	20	2.57	0.18	2.6
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	20	2.57	0.19	2.6
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	20	2.57	0.19	2.6
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	20	2.57	0.19	2.6
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	20	2.57	0.19	2.6
(1,1465)	1:423:A:GLN:HB2	1:423:A:GLN:HG2	20	2.56	0.07	2.58
(1,1465)	1:423:A:GLN:HB3	1:423:A:GLN:HG2	20	2.56	0.07	2.58
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB1	20	2.56	0.07	2.55
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB2	20	2.56	0.07	2.55
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB3	20	2.56	0.07	2.55
(1,191)	1:435:A:LYS:HA	1:436:A:VAL:H	20	2.56	0.08	2.55
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB2	20	2.56	0.05	2.56
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB3	20	2.56	0.05	2.56
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD1	20	2.55	0.33	2.62
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD2	20	2.55	0.33	2.62
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB2	20	2.55	0.08	2.56
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB3	20	2.55	0.08	2.56
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD1	20	2.55	0.33	2.62
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD2	20	2.55	0.33	2.62
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	20	2.55	0.1	2.54
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	20	2.55	0.1	2.54
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	20	2.55	0.1	2.54

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	20	2.55	0.1	2.54
(1,88)	1:481:A:LYS:H	1:481:A:LYS:HB3	20	2.55	0.21	2.52
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	20	2.55	0.42	2.74
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	20	2.55	0.42	2.74
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	20	2.55	0.42	2.74
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	20	2.55	0.42	2.74
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	20	2.55	0.42	2.74
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	20	2.55	0.42	2.74
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB2	20	2.55	0.04	2.54
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB3	20	2.55	0.04	2.54
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB2	20	2.55	0.04	2.54
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB3	20	2.55	0.04	2.54
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB2	20	2.55	0.04	2.54
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB3	20	2.55	0.04	2.54
(1,68)	1:413:A:PRO:HA	1:414:A:GLN:H	20	2.55	0.07	2.56
(1,979)	1:413:A:PRO:HA	1:414:A:GLN:H	20	2.55	0.07	2.56
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	20	2.55	0.15	2.46
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	20	2.55	0.15	2.46
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	20	2.54	0.12	2.57
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	20	2.54	0.12	2.57
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	20	2.54	0.12	2.57
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	20	2.54	0.12	2.57
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	20	2.54	0.12	2.57
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	20	2.54	0.12	2.57
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB2	20	2.54	0.13	2.54
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB3	20	2.54	0.13	2.54
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB2	20	2.54	0.04	2.54
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB3	20	2.54	0.04	2.54
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB1	20	2.54	0.03	2.54
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB2	20	2.54	0.03	2.54
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB3	20	2.54	0.03	2.54
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	20	2.53	0.4	2.6
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	20	2.53	0.4	2.6
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	20	2.53	0.4	2.6
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	20	2.53	0.4	2.6
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	20	2.53	0.4	2.6
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	20	2.53	0.4	2.6
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	20	2.53	0.4	2.6
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	20	2.53	0.4	2.6
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	20	2.53	0.4	2.6
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	20	2.53	0.4	2.6
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	20	2.53	0.4	2.6

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	20	2.53	0.4	2.6
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	20	2.53	0.4	2.6
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	20	2.53	0.4	2.6
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	20	2.53	0.4	2.6
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	20	2.53	0.4	2.6
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	20	2.53	0.4	2.6
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	20	2.53	0.4	2.6
(1,34)	1:477:A:LYS:HA	1:478:A:VAL:H	20	2.53	0.05	2.54
(1,1135)	1:400:A:GLU:HA	1:401:A:GLY:H	20	2.53	0.08	2.54
(1,108)	1:476:A:LEU:HA	1:477:A:LYS:H	20	2.53	0.06	2.51
(1,574)	1:466:A:MET:H	1:466:A:MET:HB2	20	2.53	0.12	2.5
(1,574)	1:466:A:MET:H	1:466:A:MET:HB3	20	2.53	0.12	2.5
(1,1000)	1:467:A:ASN:H	1:467:A:ASN:HB2	20	2.53	0.13	2.52
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB2	20	2.52	0.04	2.53
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB3	20	2.52	0.04	2.53
(1,519)	1:432:A:ILE:H	1:433:A:SER:H	20	2.52	0.13	2.5
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	20	2.52	0.14	2.51
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	20	2.52	0.14	2.51
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	20	2.52	0.14	2.51
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	20	2.52	0.14	2.51
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	20	2.52	0.14	2.51
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	20	2.52	0.14	2.51
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	20	2.52	0.14	2.51
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	20	2.52	0.14	2.51
(1,1466)	1:414:A:GLN:HB2	1:414:A:GLN:HG3	20	2.52	0.05	2.51
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	20	2.52	0.11	2.54
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	20	2.52	0.11	2.54
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	20	2.52	0.11	2.54
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	20	2.52	0.11	2.54
(1,331)	1:466:A:MET:H	1:467:A:ASN:H	20	2.51	0.32	2.65
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD2	20	2.51	0.13	2.44
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD3	20	2.51	0.13	2.44
(1,474)	1:444:A:LEU:HA	1:445:A:SER:H	20	2.51	0.06	2.5
(1,327)	1:402:A:PRO:HA	1:403:A:GLU:H	20	2.5	0.06	2.49
(1,535)	1:453:A:TYR:HA	1:454:A:ASP:H	20	2.5	0.05	2.5
(1,201)	1:415:A:GLU:H	1:416:A:PHE:H	20	2.49	0.1	2.49
(1,14)	1:431:A:VAL:HA	1:432:A:ILE:H	20	2.48	0.05	2.48
(1,102)	1:478:A:VAL:HA	1:479:A:GLN:H	20	2.48	0.07	2.48
(1,1015)	1:478:A:VAL:HA	1:479:A:GLN:H	20	2.48	0.07	2.48
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	20	2.48	0.31	2.52
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	20	2.48	0.31	2.52
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	20	2.48	0.31	2.52

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	20	2.48	0.31	2.52
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	20	2.48	0.31	2.52
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	20	2.48	0.31	2.52
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	20	2.48	0.31	2.52
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	20	2.48	0.31	2.52
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	20	2.48	0.31	2.52
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	20	2.48	0.31	2.52
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	20	2.48	0.31	2.52
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	20	2.48	0.31	2.52
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	20	2.48	0.31	2.52
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	20	2.48	0.31	2.52
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	20	2.48	0.31	2.52
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	20	2.48	0.31	2.52
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	20	2.48	0.31	2.52
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	20	2.48	0.31	2.52
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	20	2.47	0.07	2.47
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	20	2.47	0.07	2.47
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	20	2.47	0.07	2.47
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	20	2.47	0.07	2.47
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	20	2.47	0.07	2.47
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	20	2.47	0.07	2.47
(1,10)	1:430:A:ASN:HA	1:431:A:VAL:H	20	2.47	0.08	2.48
(1,345)	1:407:A:LEU:HA	1:408:A:PHE:H	20	2.46	0.07	2.44
(1,1178)	1:407:A:LEU:HA	1:408:A:PHE:H	20	2.46	0.07	2.44
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG2	20	2.46	0.31	2.61
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG3	20	2.46	0.31	2.61
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG2	20	2.46	0.31	2.61
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG3	20	2.46	0.31	2.61
(1,129)	1:469:A:PHE:H	1:469:A:PHE:HB3	20	2.45	0.07	2.45
(1,308)	1:474:A:LYS:HA	1:475:A:ARG:H	20	2.45	0.06	2.45
(1,1144)	1:474:A:LYS:HA	1:475:A:ARG:H	20	2.45	0.06	2.45
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB2	20	2.44	0.18	2.42
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB3	20	2.44	0.18	2.42
(1,402)	1:471:A:ILE:HA	1:472:A:GLY:H	20	2.44	0.01	2.44
(1,1111)	1:423:A:GLN:HA	1:423:A:GLN:HG2	20	2.44	0.18	2.46
(1,364)	1:467:A:ASN:HA	1:468:A:GLY:H	20	2.44	0.04	2.43
(1,153)	1:406:A:ASN:HA	1:407:A:LEU:H	20	2.44	0.09	2.42
(1,788)	1:478:A:VAL:HG11	1:479:A:GLN:H	20	2.44	0.19	2.44
(1,788)	1:478:A:VAL:HG12	1:479:A:GLN:H	20	2.44	0.19	2.44
(1,788)	1:478:A:VAL:HG13	1:479:A:GLN:H	20	2.44	0.19	2.44
(1,1180)	1:463:A:ILE:HG21	1:479:A:GLN:HA	20	2.43	0.19	2.51
(1,1180)	1:463:A:ILE:HG22	1:479:A:GLN:HA	20	2.43	0.19	2.51

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1180)	1:463:A:ILE:HG23	1:479:A:GLN:HA	20	2.43	0.19	2.51
(1,1500)	1:463:A:ILE:HG21	1:479:A:GLN:HA	20	2.43	0.19	2.51
(1,1500)	1:463:A:ILE:HG22	1:479:A:GLN:HA	20	2.43	0.19	2.51
(1,1500)	1:463:A:ILE:HG23	1:479:A:GLN:HA	20	2.43	0.19	2.51
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	20	2.43	0.12	2.42
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	20	2.43	0.12	2.42
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	20	2.43	0.12	2.42
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	20	2.43	0.12	2.42
(1,268)	1:457:A:VAL:H	1:458:A:SER:H	20	2.42	0.15	2.45
(1,86)	1:480:A:LEU:HA	1:481:A:LYS:H	20	2.42	0.07	2.42
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	20	2.42	0.14	2.49
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	20	2.42	0.14	2.49
(1,80)	1:433:A:SER:HA	1:434:A:ALA:H	20	2.42	0.04	2.42
(1,322)	1:451:A:VAL:HA	1:452:A:SER:H	20	2.42	0.07	2.39
(1,661)	1:480:A:LEU:HB2	1:480:A:LEU:HG	20	2.42	0.07	2.41
(1,661)	1:480:A:LEU:HB3	1:480:A:LEU:HG	20	2.42	0.07	2.41
(1,1250)	1:480:A:LEU:HB2	1:480:A:LEU:HG	20	2.42	0.07	2.41
(1,1250)	1:480:A:LEU:HB3	1:480:A:LEU:HG	20	2.42	0.07	2.41
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD1	20	2.42	0.72	2.73
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD2	20	2.42	0.72	2.73
(1,562)	1:410:A:TYR:HA	1:411:A:HIS:H	20	2.42	0.07	2.42
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD2	20	2.41	0.17	2.45
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD3	20	2.41	0.17	2.45
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD2	20	2.41	0.17	2.45
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD3	20	2.41	0.17	2.45
(1,1102)	1:441:A:GLN:HB2	1:441:A:GLN:HG3	20	2.41	0.19	2.44
(1,120)	1:473:A:MET:H	1:473:A:MET:HG3	20	2.4	0.72	2.66
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB2	20	2.4	0.07	2.39
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB3	20	2.4	0.07	2.39
(1,436)	1:420:A:ASP:H	1:421:A:ILE:H	20	2.4	0.21	2.37
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG11	20	2.4	0.14	2.44
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG12	20	2.4	0.14	2.44
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG13	20	2.4	0.14	2.44
(1,1100)	1:474:A:LYS:HB2	1:475:A:ARG:H	20	2.4	0.18	2.42
(1,1100)	1:474:A:LYS:HB3	1:475:A:ARG:H	20	2.4	0.18	2.42
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	20	2.39	0.41	2.43
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	20	2.39	0.41	2.43
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	20	2.39	0.41	2.43
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	20	2.39	0.41	2.43
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	20	2.39	0.41	2.43
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	20	2.39	0.41	2.43
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	20	2.39	0.41	2.43

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	20	2.39	0.41	2.43
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	20	2.39	0.41	2.43
(1,378)	1:443:A:ASN:HA	1:444:A:LEU:H	20	2.39	0.16	2.45
(1,1093)	1:403:A:GLU:HA	1:404:A:GLY:H	20	2.39	0.06	2.4
(1,203)	1:416:A:PHE:H	1:416:A:PHE:HB2	20	2.39	0.09	2.38
(1,1214)	1:415:A:GLU:H	1:415:A:GLU:HB2	20	2.39	0.39	2.54
(1,462)	1:423:A:GLN:H	1:424:A:MET:H	20	2.39	0.2	2.38
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	20	2.38	0.25	2.33
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	20	2.38	0.25	2.33
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	20	2.38	0.25	2.33
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	20	2.38	0.25	2.33
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	20	2.38	0.25	2.33
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	20	2.38	0.25	2.33
(1,444)	1:419:A:GLN:H	1:420:A:ASP:H	20	2.38	0.18	2.38
(1,435)	1:421:A:ILE:H	1:422:A:LEU:H	20	2.38	0.21	2.38
(1,70)	1:413:A:PRO:HB2	1:414:A:GLN:H	20	2.38	0.11	2.36
(1,70)	1:413:A:PRO:HB3	1:414:A:GLN:H	20	2.38	0.11	2.36
(1,162)	1:479:A:GLN:HA	1:480:A:LEU:H	20	2.38	0.07	2.37
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB2	20	2.38	0.16	2.42
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB3	20	2.38	0.16	2.42
(1,502)	1:411:A:HIS:H	1:412:A:LEU:H	20	2.38	0.12	2.38
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB1	20	2.37	0.1	2.36
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB2	20	2.37	0.1	2.36
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB3	20	2.37	0.1	2.36
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG11	20	2.37	0.17	2.38
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG12	20	2.37	0.17	2.38
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG13	20	2.37	0.17	2.38
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG11	20	2.37	0.17	2.38
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG12	20	2.37	0.17	2.38
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG13	20	2.37	0.17	2.38
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD11	20	2.36	0.51	2.49
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD12	20	2.36	0.51	2.49
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD13	20	2.36	0.51	2.49
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD21	20	2.36	0.51	2.49
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD22	20	2.36	0.51	2.49
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD23	20	2.36	0.51	2.49
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG2	20	2.36	0.2	2.43
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG3	20	2.36	0.2	2.43
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB1	20	2.35	0.37	2.37
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB2	20	2.35	0.37	2.37
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB3	20	2.35	0.37	2.37
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB2	20	2.35	0.06	2.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB3	20	2.35	0.06	2.36
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	20	2.34	0.48	2.56
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	20	2.34	0.48	2.56
(1,1455)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	20	2.34	0.27	2.48
(1,585)	1:428:A:PHE:H	1:428:A:PHE:HB2	20	2.34	0.1	2.34
(1,1359)	1:475:A:ARG:HB2	1:475:A:ARG:HD2	20	2.33	0.3	2.44
(1,1359)	1:475:A:ARG:HB3	1:475:A:ARG:HD2	20	2.33	0.3	2.44
(1,896)	1:462:A:ALA:HB1	1:463:A:ILE:H	20	2.33	0.25	2.26
(1,896)	1:462:A:ALA:HB2	1:463:A:ILE:H	20	2.33	0.25	2.26
(1,896)	1:462:A:ALA:HB3	1:463:A:ILE:H	20	2.33	0.25	2.26
(1,95)	1:450:A:PHE:HA	1:451:A:VAL:H	20	2.33	0.05	2.32
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG21	20	2.32	0.08	2.3
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG22	20	2.32	0.08	2.3
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG23	20	2.32	0.08	2.3
(1,985)	1:416:A:PHE:HB3	1:417:A:GLY:H	20	2.32	0.78	2.66
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB2	20	2.32	0.19	2.26
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB3	20	2.32	0.19	2.26
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB2	20	2.32	0.19	2.26
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB3	20	2.32	0.19	2.26
(1,1503)	1:485:A:ASN:HA	1:485:A:ASN:HB2	20	2.32	0.16	2.31
(1,223)	1:417:A:GLY:HA3	1:418:A:ASP:H	20	2.32	0.13	2.3
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD11	20	2.32	0.17	2.32
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD12	20	2.32	0.17	2.32
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD13	20	2.32	0.17	2.32
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD11	20	2.32	0.26	2.33
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD12	20	2.32	0.26	2.33
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD13	20	2.32	0.26	2.33
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD21	20	2.32	0.26	2.33
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD22	20	2.32	0.26	2.33
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD23	20	2.32	0.26	2.33
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG21	20	2.31	0.22	2.32
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG22	20	2.31	0.22	2.32
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG23	20	2.31	0.22	2.32
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG21	20	2.31	0.22	2.32
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG22	20	2.31	0.22	2.32
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG23	20	2.31	0.22	2.32
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG21	20	2.31	0.08	2.32
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG22	20	2.31	0.08	2.32
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG23	20	2.31	0.08	2.32
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG21	20	2.31	0.08	2.32
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG22	20	2.31	0.08	2.32
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG23	20	2.31	0.08	2.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD2	20	2.31	0.61	2.57
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD3	20	2.31	0.61	2.57
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	20	2.31	0.39	2.28
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	20	2.31	0.39	2.28
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	20	2.31	0.39	2.28
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	20	2.31	0.39	2.28
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	20	2.31	0.39	2.28
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	20	2.31	0.39	2.28
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG21	20	2.3	0.46	2.58
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG22	20	2.3	0.46	2.58
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG23	20	2.3	0.46	2.58
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG21	20	2.3	0.46	2.58
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG22	20	2.3	0.46	2.58
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG23	20	2.3	0.46	2.58
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG11	20	2.3	0.23	2.3
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG12	20	2.3	0.23	2.3
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG13	20	2.3	0.23	2.3
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG11	20	2.3	0.23	2.3
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG12	20	2.3	0.23	2.3
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG13	20	2.3	0.23	2.3
(1,447)	1:419:A:GLN:H	1:419:A:GLN:HB3	20	2.3	0.18	2.28
(1,119)	1:473:A:MET:H	1:474:A:LYS:H	20	2.3	0.18	2.24
(1,318)	1:473:A:MET:H	1:474:A:LYS:H	20	2.3	0.18	2.24
(1,211)	1:462:A:ALA:H	1:463:A:ILE:H	20	2.29	0.13	2.26
(1,355)	1:462:A:ALA:H	1:463:A:ILE:H	20	2.29	0.13	2.26
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG21	20	2.28	0.27	2.34
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG22	20	2.28	0.27	2.34
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG23	20	2.28	0.27	2.34
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	20	2.28	0.49	2.45
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	20	2.28	0.49	2.45
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	20	2.28	0.49	2.45
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	20	2.28	0.49	2.45
(1,115)	1:490:A:TYR:H	1:490:A:TYR:HA	20	2.28	0.31	2.08
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG11	20	2.27	0.25	2.24
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG12	20	2.27	0.25	2.24
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG13	20	2.27	0.25	2.24
(1,532)	1:416:A:PHE:HA	1:417:A:GLY:H	20	2.27	0.14	2.25
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	20	2.26	0.58	2.11
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	20	2.26	0.58	2.11
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	20	2.26	0.58	2.11
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	20	2.26	0.58	2.11
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	20	2.26	0.58	2.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	20	2.26	0.58	2.11
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	20	2.26	0.58	2.11
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	20	2.26	0.58	2.11
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	20	2.26	0.58	2.11
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	20	2.26	0.58	2.11
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	20	2.26	0.58	2.11
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	20	2.26	0.58	2.11
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	20	2.26	0.58	2.11
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	20	2.26	0.58	2.11
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	20	2.26	0.58	2.11
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	20	2.26	0.58	2.11
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	20	2.26	0.58	2.11
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	20	2.26	0.58	2.11
(1,512)	1:454:A:ASP:HB3	1:455:A:ASN:H	20	2.25	0.4	2.22
(1,1170)	1:486:A:ASP:HA	1:486:A:ASP:HB3	20	2.25	0.23	2.34
(1,1496)	1:486:A:ASP:HA	1:486:A:ASP:HB3	20	2.25	0.23	2.34
(1,552)	1:424:A:MET:H	1:425:A:PHE:H	20	2.25	0.07	2.24
(1,99)	1:407:A:LEU:H	1:451:A:VAL:H	20	2.24	0.29	2.18
(1,333)	1:467:A:ASN:H	1:467:A:ASN:HB3	20	2.24	0.08	2.24
(1,312)	1:474:A:LYS:HB3	1:475:A:ARG:H	20	2.24	0.38	2.38
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG12	20	2.23	0.23	2.32
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG13	20	2.23	0.23	2.32
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG12	20	2.23	0.23	2.32
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG13	20	2.23	0.23	2.32
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG2	20	2.23	0.48	2.49
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG3	20	2.23	0.48	2.49
(1,257)	1:434:A:ALA:HB1	1:435:A:LYS:H	20	2.23	0.38	2.37
(1,257)	1:434:A:ALA:HB2	1:435:A:LYS:H	20	2.23	0.38	2.37
(1,257)	1:434:A:ALA:HB3	1:435:A:LYS:H	20	2.23	0.38	2.37
(1,809)	1:434:A:ALA:HB1	1:435:A:LYS:H	20	2.23	0.38	2.37
(1,809)	1:434:A:ALA:HB2	1:435:A:LYS:H	20	2.23	0.38	2.37
(1,809)	1:434:A:ALA:HB3	1:435:A:LYS:H	20	2.23	0.38	2.37
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	20	2.23	0.38	2.38
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	20	2.23	0.38	2.38
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	20	2.23	0.38	2.38
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	20	2.23	0.38	2.38
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	20	2.23	0.38	2.38
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	20	2.23	0.38	2.38
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	20	2.23	0.38	2.38
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	20	2.23	0.38	2.38
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	20	2.23	0.38	2.38
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB1	20	2.23	0.12	2.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB2	20	2.23	0.12	2.24
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB3	20	2.23	0.12	2.24
(1,136)	1:421:A:ILE:HG21	1:422:A:LEU:H	20	2.22	0.2	2.22
(1,136)	1:421:A:ILE:HG22	1:422:A:LEU:H	20	2.22	0.2	2.22
(1,136)	1:421:A:ILE:HG23	1:422:A:LEU:H	20	2.22	0.2	2.22
(1,932)	1:421:A:ILE:HG21	1:422:A:LEU:H	20	2.22	0.2	2.22
(1,932)	1:421:A:ILE:HG22	1:422:A:LEU:H	20	2.22	0.2	2.22
(1,932)	1:421:A:ILE:HG23	1:422:A:LEU:H	20	2.22	0.2	2.22
(1,360)	1:463:A:ILE:H	1:463:A:ILE:HB	20	2.22	0.28	2.25
(1,125)	1:468:A:GLY:H	1:469:A:PHE:H	20	2.22	0.18	2.23
(1,1228)	1:455:A:ASN:HA	1:456:A:PRO:HD3	20	2.21	0.13	2.23
(1,395)	1:429:A:GLY:HA2	1:430:A:ASN:H	20	2.19	0.1	2.21
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG11	20	2.18	0.1	2.17
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG12	20	2.18	0.1	2.17
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG13	20	2.18	0.1	2.17
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	20	2.18	0.32	2.07
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	20	2.18	0.32	2.07
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	20	2.18	0.32	2.07
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	20	2.18	0.32	2.07
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	20	2.18	0.32	2.07
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	20	2.18	0.32	2.07
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	20	2.18	0.32	2.07
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	20	2.18	0.32	2.07
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	20	2.18	0.32	2.07
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD11	20	2.18	0.28	2.26
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD12	20	2.18	0.28	2.26
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD13	20	2.18	0.28	2.26
(1,396)	1:429:A:GLY:HA3	1:430:A:ASN:H	20	2.17	0.13	2.16
(1,276)	1:458:A:SER:H	1:459:A:ALA:H	20	2.17	0.16	2.16
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD11	20	2.17	0.23	2.28
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD12	20	2.17	0.23	2.28
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD13	20	2.17	0.23	2.28
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD11	20	2.17	0.23	2.28
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD12	20	2.17	0.23	2.28
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD13	20	2.17	0.23	2.28
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD11	20	2.17	0.23	2.28
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD12	20	2.17	0.23	2.28
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD13	20	2.17	0.23	2.28
(1,121)	1:473:A:MET:H	1:473:A:MET:HG2	20	2.15	0.44	2.28
(1,347)	1:408:A:PHE:H	1:408:A:PHE:HB2	20	2.15	0.5	2.37
(1,253)	1:453:A:TYR:H	1:453:A:TYR:HB3	20	2.14	0.1	2.13
(1,20)	1:425:A:PHE:H	1:426:A:MET:H	20	2.14	0.2	2.09

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD11	20	2.13	0.28	2.12
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD12	20	2.13	0.28	2.12
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD13	20	2.13	0.28	2.12
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD21	20	2.13	0.28	2.12
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD22	20	2.13	0.28	2.12
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD23	20	2.13	0.28	2.12
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD11	20	2.13	0.56	2.24
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD12	20	2.13	0.56	2.24
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD13	20	2.13	0.56	2.24
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD11	20	2.13	0.81	2.51
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD12	20	2.13	0.81	2.51
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD13	20	2.13	0.81	2.51
(1,543)	1:454:A:ASP:H	1:454:A:ASP:HB2	20	2.12	0.29	2.16
(1,1495)	1:486:A:ASP:HA	1:486:A:ASP:HB2	20	2.12	0.24	2.16
(1,471)	1:423:A:GLN:HB2	1:424:A:MET:H	20	2.12	0.29	2.19
(1,471)	1:423:A:GLN:HB3	1:424:A:MET:H	20	2.12	0.29	2.19
(1,1223)	1:423:A:GLN:HB2	1:424:A:MET:H	20	2.12	0.29	2.19
(1,1223)	1:423:A:GLN:HB3	1:424:A:MET:H	20	2.12	0.29	2.19
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD11	20	2.11	0.41	1.92
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD12	20	2.11	0.41	1.92
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD13	20	2.11	0.41	1.92
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD21	20	2.11	0.41	1.92
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD22	20	2.11	0.41	1.92
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD23	20	2.11	0.41	1.92
(1,53)	1:471:A:ILE:H	1:471:A:ILE:HB	20	2.11	0.12	2.13
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD11	20	2.11	0.51	2.17
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD12	20	2.11	0.51	2.17
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD13	20	2.11	0.51	2.17
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD21	20	2.11	0.51	2.17
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD22	20	2.11	0.51	2.17
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD23	20	2.11	0.51	2.17
(1,565)	1:410:A:TYR:HB2	1:411:A:HIS:H	20	2.11	0.42	2.14
(1,493)	1:413:A:PRO:HB2	1:415:A:GLU:H	20	2.11	0.24	2.06
(1,493)	1:413:A:PRO:HB3	1:415:A:GLU:H	20	2.11	0.24	2.06
(1,377)	1:443:A:ASN:H	1:444:A:LEU:H	20	2.1	0.19	2.08
(1,599)	1:428:A:PHE:H	1:429:A:GLY:H	20	2.1	0.33	2.0
(1,37)	1:478:A:VAL:H	1:478:A:VAL:HB	20	2.1	0.09	2.08
(1,1106)	1:478:A:VAL:H	1:478:A:VAL:HB	20	2.1	0.09	2.08
(1,430)	1:464:A:GLN:H	1:465:A:ALA:H	20	2.1	0.04	2.1
(1,1198)	1:441:A:GLN:HB2	1:441:A:GLN:HG2	20	2.09	0.24	1.93
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG2	20	2.09	0.21	2.06
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG3	20	2.09	0.21	2.06

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD1	20	2.08	0.27	2.21
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD2	20	2.08	0.27	2.21
(1,1454)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	20	2.08	0.24	1.91
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG2	20	2.08	0.22	2.15
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG3	20	2.08	0.22	2.15
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG2	20	2.08	0.22	2.15
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG3	20	2.08	0.22	2.15
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD1	20	2.08	0.53	2.02
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD2	20	2.08	0.53	2.02
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD1	20	2.08	0.53	2.02
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD2	20	2.08	0.53	2.02
(1,114)	1:489:A:PRO:HA	1:490:A:TYR:H	20	2.07	0.61	2.28
(1,222)	1:418:A:ASP:H	1:419:A:GLN:H	20	2.06	0.11	2.08
(1,386)	1:420:A:ASP:H	1:420:A:ASP:HB3	20	2.06	0.5	1.94
(1,963)	1:420:A:ASP:H	1:420:A:ASP:HB3	20	2.06	0.5	1.94
(1,475)	1:445:A:SER:H	1:445:A:SER:HB3	20	2.05	0.33	2.16
(1,1249)	1:480:A:LEU:HA	1:480:A:LEU:HG	20	2.05	0.17	2.1
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG2	20	2.05	0.37	2.06
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG3	20	2.05	0.37	2.06
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG2	20	2.05	0.37	2.06
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG3	20	2.05	0.37	2.06
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	20	2.05	0.44	2.11
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	20	2.05	0.44	2.11
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	20	2.05	0.44	2.11
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	20	2.05	0.44	2.11
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	20	2.05	0.44	2.11
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	20	2.05	0.44	2.11
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	20	2.05	0.44	2.11
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	20	2.05	0.44	2.11
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	20	2.05	0.44	2.11
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	20	2.05	0.44	2.11
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	20	2.05	0.44	2.11
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	20	2.05	0.44	2.11
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	20	2.05	0.44	2.11
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	20	2.05	0.44	2.11
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	20	2.05	0.44	2.11
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	20	2.05	0.44	2.11
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	20	2.05	0.44	2.11
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	20	2.05	0.44	2.11
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	20	2.05	0.44	2.11
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	20	2.05	0.44	2.11
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	20	2.05	0.44	2.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	20	2.05	0.44	2.11
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	20	2.05	0.44	2.11
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	20	2.05	0.44	2.11
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	20	2.05	0.44	2.11
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	20	2.05	0.44	2.11
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	20	2.05	0.44	2.11
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	20	2.05	0.44	2.11
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	20	2.05	0.44	2.11
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	20	2.05	0.44	2.11
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	20	2.05	0.44	2.11
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	20	2.05	0.44	2.11
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	20	2.05	0.44	2.11
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	20	2.05	0.44	2.11
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	20	2.05	0.44	2.11
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	20	2.05	0.44	2.11
(1,135)	1:422:A:LEU:H	1:422:A:LEU:HB3	20	2.05	0.64	1.76
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD11	20	2.05	0.52	2.1
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD12	20	2.05	0.52	2.1
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD13	20	2.05	0.52	2.1
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD21	20	2.05	0.52	2.1
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD22	20	2.05	0.52	2.1
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD23	20	2.05	0.52	2.1
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	20	2.05	0.3	2.18
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	20	2.05	0.3	2.18
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	20	2.05	0.3	2.18
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	20	2.05	0.3	2.18
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD1	20	2.03	0.3	1.99
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD2	20	2.03	0.3	1.99
(1,237)	1:400:A:GLU:H	1:400:A:GLU:HG3	20	2.03	0.25	2.0
(1,1342)	1:405:A:ALA:HB1	1:453:A:TYR:HB3	20	2.02	0.4	2.14
(1,1342)	1:405:A:ALA:HB2	1:453:A:TYR:HB3	20	2.02	0.4	2.14
(1,1342)	1:405:A:ALA:HB3	1:453:A:TYR:HB3	20	2.02	0.4	2.14
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG11	20	2.01	0.13	1.96
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG12	20	2.01	0.13	1.96
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG13	20	2.01	0.13	1.96
(1,173)	1:399:A:LYS:H	1:399:A:LYS:HA	20	2.0	0.02	2.0
(1,411)	1:440:A:LYS:H	1:441:A:GLN:H	20	2.0	0.14	2.01
(1,182)	1:422:A:LEU:H	1:422:A:LEU:HB2	20	2.0	0.4	1.98
(1,762)	1:457:A:VAL:HG11	1:458:A:SER:H	20	2.0	0.23	2.08
(1,762)	1:457:A:VAL:HG12	1:458:A:SER:H	20	2.0	0.23	2.08
(1,762)	1:457:A:VAL:HG13	1:458:A:SER:H	20	2.0	0.23	2.08
(1,762)	1:457:A:VAL:HG21	1:458:A:SER:H	20	2.0	0.23	2.08

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,762)	1:457:A:VAL:HG22	1:458:A:SER:H	20	2.0	0.23	2.08
(1,762)	1:457:A:VAL:HG23	1:458:A:SER:H	20	2.0	0.23	2.08
(1,452)	1:459:A:ALA:H	1:460:A:GLN:H	20	2.0	0.18	2.0
(1,238)	1:400:A:GLU:H	1:400:A:GLU:HB3	20	1.99	0.18	1.95
(1,837)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	20	1.98	0.16	2.0
(1,837)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	20	1.98	0.16	2.0
(1,837)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	20	1.98	0.16	2.0
(1,1324)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	20	1.98	0.16	2.0
(1,1324)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	20	1.98	0.16	2.0
(1,1324)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	20	1.98	0.16	2.0
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG2	20	1.98	0.34	2.13
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG3	20	1.98	0.34	2.13
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD1	20	1.98	0.36	1.98
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD2	20	1.98	0.36	1.98
(1,857)	1:409:A:ILE:HG21	1:410:A:TYR:H	20	1.98	0.29	1.94
(1,857)	1:409:A:ILE:HG22	1:410:A:TYR:H	20	1.98	0.29	1.94
(1,857)	1:409:A:ILE:HG23	1:410:A:TYR:H	20	1.98	0.29	1.94
(1,130)	1:469:A:PHE:H	1:469:A:PHE:HB2	20	1.98	0.18	1.96
(1,547)	1:404:A:GLY:H	1:405:A:ALA:H	20	1.97	0.12	1.97
(1,1104)	1:441:A:GLN:HA	1:441:A:GLN:HG2	20	1.97	0.48	2.14
(1,1206)	1:421:A:ILE:HB	1:421:A:ILE:HG12	20	1.97	0.17	1.92
(1,75)	1:446:A:LYS:H	1:447:A:CYS:H	20	1.97	0.59	2.08
(1,382)	1:444:A:LEU:H	1:444:A:LEU:HB3	20	1.96	0.51	2.13
(1,851)	1:405:A:ALA:HB1	1:406:A:ASN:H	20	1.96	0.17	1.9
(1,851)	1:405:A:ALA:HB2	1:406:A:ASN:H	20	1.96	0.17	1.9
(1,851)	1:405:A:ALA:HB3	1:406:A:ASN:H	20	1.96	0.17	1.9
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	20	1.96	0.31	2.03
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	20	1.96	0.31	2.03
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	20	1.96	0.31	2.03
(1,1197)	1:441:A:GLN:HB2	1:442:A:THR:H	20	1.96	0.65	2.32
(1,640)	1:466:A:MET:HG2	1:476:A:LEU:HG	20	1.95	0.29	2.0
(1,640)	1:466:A:MET:HG3	1:476:A:LEU:HG	20	1.95	0.29	2.0
(1,1114)	1:414:A:GLN:HB2	1:414:A:GLN:HG2	20	1.94	0.13	1.9
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG12	20	1.94	0.81	2.45
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG13	20	1.94	0.81	2.45
(1,1112)	1:423:A:GLN:HA	1:423:A:GLN:HG3	20	1.94	0.23	1.92
(1,1460)	1:423:A:GLN:HA	1:423:A:GLN:HG3	20	1.94	0.23	1.92
(1,89)	1:481:A:LYS:H	1:481:A:LYS:HB2	20	1.94	0.38	2.13
(1,371)	1:458:A:SER:H	1:458:A:SER:HB3	20	1.94	0.32	2.06
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD11	20	1.94	0.54	1.63
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD12	20	1.94	0.54	1.63
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD13	20	1.94	0.54	1.63

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD21	20	1.94	0.54	1.63
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD22	20	1.94	0.54	1.63
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD23	20	1.94	0.54	1.63
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD11	20	1.94	0.54	1.63
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD12	20	1.94	0.54	1.63
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD13	20	1.94	0.54	1.63
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD21	20	1.94	0.54	1.63
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD22	20	1.94	0.54	1.63
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD23	20	1.94	0.54	1.63
(1,24)	1:426:A:MET:H	1:431:A:VAL:HA	20	1.93	0.44	2.0
(1,522)	1:432:A:ILE:HB	1:433:A:SER:H	20	1.93	0.35	2.0
(1,224)	1:417:A:GLY:HA2	1:418:A:ASP:H	20	1.93	0.14	1.94
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD1	20	1.92	0.1	1.94
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD2	20	1.92	0.1	1.94
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD11	20	1.92	0.36	1.94
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD12	20	1.92	0.36	1.94
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD13	20	1.92	0.36	1.94
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB2	20	1.92	0.16	1.9
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB3	20	1.92	0.16	1.9
(1,1032)	1:430:A:ASN:HB2	1:454:A:ASP:H	20	1.91	0.38	1.83
(1,1032)	1:430:A:ASN:HB3	1:454:A:ASP:H	20	1.91	0.38	1.83
(1,419)	1:465:A:ALA:H	1:466:A:MET:H	20	1.91	0.11	1.93
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG21	20	1.91	0.14	1.9
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG22	20	1.91	0.14	1.9
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG23	20	1.91	0.14	1.9
(1,556)	1:424:A:MET:HB2	1:425:A:PHE:H	20	1.91	0.25	1.92
(1,556)	1:424:A:MET:HB3	1:425:A:PHE:H	20	1.91	0.25	1.92
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD2	20	1.9	0.67	2.2
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD3	20	1.9	0.67	2.2
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD2	20	1.9	0.67	2.2
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD3	20	1.9	0.67	2.2
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG2	20	1.9	0.27	1.87
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG3	20	1.9	0.27	1.87
(1,1152)	1:400:A:GLU:HB3	1:400:A:GLU:HG3	20	1.9	0.01	1.9
(1,118)	1:478:A:VAL:HG21	1:479:A:GLN:H	20	1.89	0.39	2.16
(1,118)	1:478:A:VAL:HG22	1:479:A:GLN:H	20	1.89	0.39	2.16
(1,118)	1:478:A:VAL:HG23	1:479:A:GLN:H	20	1.89	0.39	2.16
(1,710)	1:478:A:VAL:HG21	1:479:A:GLN:H	20	1.89	0.39	2.16
(1,710)	1:478:A:VAL:HG22	1:479:A:GLN:H	20	1.89	0.39	2.16
(1,710)	1:478:A:VAL:HG23	1:479:A:GLN:H	20	1.89	0.39	2.16
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG21	20	1.89	0.55	1.86
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG22	20	1.89	0.55	1.86

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG23	20	1.89	0.55	1.86
(1,413)	1:441:A:GLN:H	1:442:A:THR:H	20	1.88	0.26	1.83
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD1	20	1.88	0.31	1.92
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD2	20	1.88	0.31	1.92
(1,830)	1:450:A:PHE:HB2	1:451:A:VAL:H	20	1.88	0.3	1.81
(1,47)	1:439:A:ASP:H	1:439:A:ASP:HB3	20	1.87	0.46	1.67
(1,486)	1:406:A:ASN:H	1:406:A:ASN:HB2	20	1.86	0.49	2.13
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG2	20	1.86	0.67	1.77
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG3	20	1.86	0.67	1.77
(1,321)	1:433:A:SER:H	1:452:A:SER:H	20	1.85	0.44	1.99
(1,116)	1:490:A:TYR:H	1:490:A:TYR:HB2	20	1.85	0.35	1.88
(1,55)	1:471:A:ILE:H	1:475:A:ARG:HA	20	1.85	0.19	1.82
(1,195)	1:435:A:LYS:HB2	1:436:A:VAL:H	20	1.84	0.19	1.92
(1,195)	1:435:A:LYS:HB3	1:436:A:VAL:H	20	1.84	0.19	1.92
(1,1055)	1:435:A:LYS:HB2	1:436:A:VAL:H	20	1.84	0.19	1.92
(1,1055)	1:435:A:LYS:HB3	1:436:A:VAL:H	20	1.84	0.19	1.92
(1,319)	1:474:A:LYS:H	1:474:A:LYS:HB2	20	1.82	0.26	1.87
(1,414)	1:441:A:GLN:H	1:441:A:GLN:HG3	20	1.81	0.65	1.96
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	20	1.8	0.7	1.46
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	20	1.8	0.7	1.46
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	20	1.8	0.7	1.46
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	20	1.8	0.7	1.46
(1,232)	1:438:A:ILE:H	1:438:A:ILE:HB	20	1.8	0.26	1.92
(1,384)	1:444:A:LEU:H	1:444:A:LEU:HG	20	1.8	0.36	1.86
(1,672)	1:444:A:LEU:H	1:444:A:LEU:HG	20	1.8	0.36	1.86
(1,1110)	1:423:A:GLN:H	1:423:A:GLN:HG3	20	1.8	0.55	1.92
(1,927)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	20	1.8	0.23	1.75
(1,927)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	20	1.8	0.23	1.75
(1,927)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	20	1.8	0.23	1.75
(1,1212)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	20	1.8	0.23	1.75
(1,1212)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	20	1.8	0.23	1.75
(1,1212)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	20	1.8	0.23	1.75
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG21	20	1.79	0.09	1.82
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG22	20	1.79	0.09	1.82
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG23	20	1.79	0.09	1.82
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG21	20	1.79	0.09	1.82
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG22	20	1.79	0.09	1.82
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG23	20	1.79	0.09	1.82
(1,189)	1:460:A:GLN:HB2	1:461:A:ALA:H	20	1.78	0.2	1.8
(1,189)	1:460:A:GLN:HB3	1:461:A:ALA:H	20	1.78	0.2	1.8
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	20	1.78	0.54	1.92
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	20	1.78	0.54	1.92

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	20	1.78	0.54	1.92
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	20	1.78	0.54	1.92
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	20	1.78	0.54	1.92
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	20	1.78	0.54	1.92
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	20	1.78	0.54	1.92
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	20	1.78	0.54	1.92
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	20	1.78	0.54	1.92
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	20	1.78	0.54	1.92
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	20	1.78	0.54	1.92
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	20	1.78	0.54	1.92
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	20	1.78	0.54	1.92
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	20	1.78	0.54	1.92
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	20	1.78	0.54	1.92
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	20	1.78	0.54	1.92
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	20	1.78	0.54	1.92
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	20	1.78	0.54	1.92
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB1	20	1.77	0.95	1.68
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB2	20	1.77	0.95	1.68
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB3	20	1.77	0.95	1.68
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB1	20	1.77	0.95	1.68
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB2	20	1.77	0.95	1.68
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB3	20	1.77	0.95	1.68
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB1	20	1.77	0.95	1.68
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB2	20	1.77	0.95	1.68
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB3	20	1.77	0.95	1.68
(1,476)	1:445:A:SER:H	1:445:A:SER:HB2	20	1.77	0.56	1.37
(1,582)	1:400:A:GLU:HB2	1:401:A:GLY:H	20	1.77	0.21	1.76
(1,1166)	1:400:A:GLU:HB2	1:401:A:GLY:H	20	1.77	0.21	1.76
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG2	20	1.77	0.2	1.82
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG3	20	1.77	0.2	1.82
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG11	20	1.76	0.45	1.95
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG12	20	1.76	0.45	1.95
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG13	20	1.76	0.45	1.95
(1,170)	1:483:A:SER:HB2	1:484:A:LYS:H	20	1.76	0.55	1.62
(1,170)	1:483:A:SER:HB3	1:484:A:LYS:H	20	1.76	0.55	1.62
(1,226)	1:418:A:ASP:H	1:418:A:ASP:HB3	20	1.76	0.11	1.76
(1,514)	1:455:A:ASN:H	1:455:A:ASN:HB3	20	1.75	0.18	1.76
(1,924)	1:455:A:ASN:H	1:455:A:ASN:HB3	20	1.75	0.18	1.76
(1,495)	1:415:A:GLU:H	1:415:A:GLU:HB3	20	1.74	0.25	1.85
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD1	20	1.74	0.21	1.74
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD2	20	1.74	0.21	1.74
(1,218)	1:461:A:ALA:HB1	1:462:A:ALA:H	20	1.73	0.18	1.72

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,218)	1:461:A:ALA:HB2	1:462:A:ALA:H	20	1.73	0.18	1.72
(1,218)	1:461:A:ALA:HB3	1:462:A:ALA:H	20	1.73	0.18	1.72
(1,948)	1:461:A:ALA:HB1	1:462:A:ALA:H	20	1.73	0.18	1.72
(1,948)	1:461:A:ALA:HB2	1:462:A:ALA:H	20	1.73	0.18	1.72
(1,948)	1:461:A:ALA:HB3	1:462:A:ALA:H	20	1.73	0.18	1.72
(1,515)	1:455:A:ASN:HB3	1:455:A:ASN:HD21	20	1.72	0.34	1.5
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD1	20	1.72	0.35	1.76
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD2	20	1.72	0.35	1.76
(1,1103)	1:441:A:GLN:HA	1:441:A:GLN:HG3	20	1.71	0.5	1.92
(1,1224)	1:464:A:GLN:HB2	1:465:A:ALA:H	20	1.71	0.08	1.72
(1,1224)	1:464:A:GLN:HB3	1:465:A:ALA:H	20	1.71	0.08	1.72
(1,880)	1:480:A:LEU:HB2	1:481:A:LYS:H	20	1.71	0.4	1.73
(1,880)	1:480:A:LEU:HB3	1:481:A:LYS:H	20	1.71	0.4	1.73
(1,561)	1:410:A:TYR:HD1	1:411:A:HIS:H	20	1.71	0.27	1.7
(1,561)	1:410:A:TYR:HD2	1:411:A:HIS:H	20	1.71	0.27	1.7
(1,432)	1:463:A:ILE:HB	1:464:A:GLN:H	20	1.7	0.22	1.76
(1,1013)	1:463:A:ILE:HB	1:464:A:GLN:H	20	1.7	0.22	1.76
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG11	20	1.69	0.02	1.69
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG12	20	1.69	0.02	1.69
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG13	20	1.69	0.02	1.69
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG11	20	1.69	0.02	1.69
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG12	20	1.69	0.02	1.69
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG13	20	1.69	0.02	1.69
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG21	20	1.69	0.13	1.66
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG22	20	1.69	0.13	1.66
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG23	20	1.69	0.13	1.66
(1,372)	1:458:A:SER:H	1:458:A:SER:HB2	20	1.69	0.44	1.35
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG21	20	1.69	0.36	1.56
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG22	20	1.69	0.36	1.56
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG23	20	1.69	0.36	1.56
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG21	20	1.69	0.36	1.56
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG22	20	1.69	0.36	1.56
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG23	20	1.69	0.36	1.56
(1,41)	1:467:A:ASN:HA	1:478:A:VAL:H	20	1.69	0.25	1.67
(1,428)	1:442:A:THR:HA	1:443:A:ASN:H	20	1.67	0.2	1.78
(1,264)	1:409:A:ILE:H	1:450:A:PHE:HA	20	1.67	0.34	1.56
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG2	20	1.67	0.43	1.46
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG3	20	1.67	0.43	1.46
(1,528)	1:430:A:ASN:HB2	1:430:A:ASN:HD22	20	1.67	0.07	1.67
(1,528)	1:430:A:ASN:HB3	1:430:A:ASN:HD22	20	1.67	0.07	1.67
(1,1537)	1:448:A:PHE:HD1	1:449:A:GLY:H	20	1.66	0.49	1.61
(1,1537)	1:448:A:PHE:HD2	1:449:A:GLY:H	20	1.66	0.49	1.61

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,654)	1:474:A:LYS:H	1:474:A:LYS:HG2	20	1.65	0.24	1.61
(1,1200)	1:398:A:GLN:HB2	1:399:A:LYS:H	20	1.65	0.18	1.7
(1,1200)	1:398:A:GLN:HB3	1:399:A:LYS:H	20	1.65	0.18	1.7
(1,26)	1:426:A:MET:H	1:426:A:MET:HG2	20	1.65	0.23	1.6
(1,26)	1:426:A:MET:H	1:426:A:MET:HG3	20	1.65	0.23	1.6
(1,383)	1:444:A:LEU:H	1:444:A:LEU:HB2	20	1.64	0.64	1.25
(1,1591)	1:411:A:HIS:HB3	1:411:A:HIS:HD2	20	1.64	0.3	1.76
(1,166)	1:463:A:ILE:HG21	1:480:A:LEU:H	20	1.63	0.29	1.68
(1,166)	1:463:A:ILE:HG22	1:480:A:LEU:H	20	1.63	0.29	1.68
(1,166)	1:463:A:ILE:HG23	1:480:A:LEU:H	20	1.63	0.29	1.68
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD2	20	1.63	0.81	1.84
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD3	20	1.63	0.81	1.84
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD2	20	1.63	0.81	1.84
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD3	20	1.63	0.81	1.84
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD11	20	1.62	0.41	1.58
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD12	20	1.62	0.41	1.58
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD13	20	1.62	0.41	1.58
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD21	20	1.62	0.41	1.58
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD22	20	1.62	0.41	1.58
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD23	20	1.62	0.41	1.58
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB2	20	1.62	0.06	1.62
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB3	20	1.62	0.06	1.62
(1,800)	1:465:A:ALA:HB1	1:466:A:MET:H	20	1.61	0.21	1.55
(1,800)	1:465:A:ALA:HB2	1:466:A:MET:H	20	1.61	0.21	1.55
(1,800)	1:465:A:ALA:HB3	1:466:A:MET:H	20	1.61	0.21	1.55
(1,887)	1:433:A:SER:HB3	1:434:A:ALA:H	20	1.61	0.45	1.52
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD1	20	1.61	0.39	1.64
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD2	20	1.61	0.39	1.64
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	20	1.61	0.28	1.53
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	20	1.61	0.28	1.53
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD2	20	1.6	0.47	1.38
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD3	20	1.6	0.47	1.38
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD2	20	1.6	0.84	1.35
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD3	20	1.6	0.84	1.35
(1,656)	1:474:A:LYS:HA	1:474:A:LYS:HG2	20	1.6	0.27	1.65
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG2	20	1.6	0.58	1.56
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG3	20	1.6	0.58	1.56
(1,1023)	1:421:A:ILE:HB	1:422:A:LEU:H	20	1.59	0.34	1.6
(1,1358)	1:475:A:ARG:HB2	1:475:A:ARG:HD3	20	1.58	0.17	1.52
(1,1358)	1:475:A:ARG:HB3	1:475:A:ARG:HD3	20	1.58	0.17	1.52
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD1	20	1.58	0.67	1.17
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD2	20	1.58	0.67	1.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1532)	1:422:A:LEU:HA	1:422:A:LEU:HG	20	1.57	0.4	1.46
(1,1589)	1:411:A:HIS:HA	1:411:A:HIS:HD2	20	1.57	1.02	2.02
(1,479)	1:444:A:LEU:HD11	1:445:A:SER:H	20	1.56	0.43	1.62
(1,479)	1:444:A:LEU:HD12	1:445:A:SER:H	20	1.56	0.43	1.62
(1,479)	1:444:A:LEU:HD13	1:445:A:SER:H	20	1.56	0.43	1.62
(1,479)	1:444:A:LEU:HD21	1:445:A:SER:H	20	1.56	0.43	1.62
(1,479)	1:444:A:LEU:HD22	1:445:A:SER:H	20	1.56	0.43	1.62
(1,479)	1:444:A:LEU:HD23	1:445:A:SER:H	20	1.56	0.43	1.62
(1,720)	1:444:A:LEU:HD11	1:445:A:SER:H	20	1.56	0.43	1.62
(1,720)	1:444:A:LEU:HD12	1:445:A:SER:H	20	1.56	0.43	1.62
(1,720)	1:444:A:LEU:HD13	1:445:A:SER:H	20	1.56	0.43	1.62
(1,720)	1:444:A:LEU:HD21	1:445:A:SER:H	20	1.56	0.43	1.62
(1,720)	1:444:A:LEU:HD22	1:445:A:SER:H	20	1.56	0.43	1.62
(1,720)	1:444:A:LEU:HD23	1:445:A:SER:H	20	1.56	0.43	1.62
(1,944)	1:409:A:ILE:H	1:409:A:ILE:HB	20	1.56	0.14	1.52
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	20	1.55	0.21	1.58
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	20	1.55	0.21	1.58
(1,679)	1:477:A:LYS:HG2	1:478:A:VAL:H	20	1.55	0.78	1.51
(1,679)	1:477:A:LYS:HG3	1:478:A:VAL:H	20	1.55	0.78	1.51
(1,463)	1:420:A:ASP:HA	1:423:A:GLN:H	20	1.55	0.33	1.6
(1,416)	1:440:A:LYS:HB2	1:441:A:GLN:H	20	1.54	0.21	1.48
(1,416)	1:440:A:LYS:HB3	1:441:A:GLN:H	20	1.54	0.21	1.48
(1,252)	1:402:A:PRO:HD2	1:453:A:TYR:H	20	1.54	0.67	1.78
(1,262)	1:486:A:ASP:H	1:486:A:ASP:HB2	20	1.53	0.58	1.38
(1,940)	1:486:A:ASP:H	1:486:A:ASP:HB2	20	1.53	0.58	1.38
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	20	1.53	0.52	1.79
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	20	1.53	0.52	1.79
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	20	1.53	0.52	1.79
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	20	1.53	0.52	1.79
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	20	1.53	0.52	1.79
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	20	1.53	0.52	1.79
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	20	1.53	0.52	1.79
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	20	1.53	0.52	1.79
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	20	1.53	0.52	1.79
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	20	1.53	0.52	1.79
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	20	1.53	0.52	1.79
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	20	1.53	0.52	1.79
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	20	1.53	0.52	1.79
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	20	1.53	0.52	1.79
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	20	1.53	0.52	1.79
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	20	1.53	0.52	1.79
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	20	1.53	0.52	1.79

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	20	1.53	0.52	1.79
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	20	1.53	0.15	1.47
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	20	1.53	0.15	1.47
(1,429)	1:463:A:ILE:H	1:464:A:GLN:H	20	1.53	0.21	1.44
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD2	20	1.53	0.49	1.33
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD3	20	1.53	0.49	1.33
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	20	1.53	0.25	1.58
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	20	1.53	0.25	1.58
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	20	1.53	0.25	1.58
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	20	1.53	0.25	1.58
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	20	1.53	0.25	1.58
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	20	1.53	0.25	1.58
(1,388)	1:420:A:ASP:H	1:420:A:ASP:HB2	20	1.52	0.19	1.46
(1,964)	1:420:A:ASP:H	1:420:A:ASP:HB2	20	1.52	0.19	1.46
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	20	1.51	0.38	1.48
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	20	1.51	0.38	1.48
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	20	1.51	0.38	1.48
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	20	1.51	0.38	1.48
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	20	1.51	0.38	1.48
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	20	1.51	0.38	1.48
(1,555)	1:425:A:PHE:H	1:425:A:PHE:HB3	20	1.49	0.14	1.55
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG21	20	1.49	0.69	1.25
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG22	20	1.49	0.69	1.25
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG23	20	1.49	0.69	1.25
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG21	20	1.49	0.69	1.25
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG22	20	1.49	0.69	1.25
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG23	20	1.49	0.69	1.25
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG11	20	1.49	0.21	1.48
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG12	20	1.49	0.21	1.48
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG13	20	1.49	0.21	1.48
(1,328)	1:403:A:GLU:H	1:403:A:GLU:HB3	20	1.49	0.11	1.45
(1,1195)	1:403:A:GLU:H	1:403:A:GLU:HB3	20	1.49	0.11	1.45
(1,1191)	1:481:A:LYS:HB3	1:481:A:LYS:HD2	20	1.49	0.81	0.96
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE1	20	1.48	0.34	1.36
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE2	20	1.48	0.34	1.36
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE3	20	1.48	0.34	1.36
(1,288)	1:450:A:PHE:H	1:450:A:PHE:HB3	20	1.48	0.26	1.52
(1,267)	1:409:A:ILE:H	1:409:A:ILE:HG12	20	1.48	0.28	1.45
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG11	20	1.48	0.36	1.38
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG12	20	1.48	0.36	1.38
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG13	20	1.48	0.36	1.38
(1,370)	1:482:A:ARG:HB2	1:483:A:SER:H	20	1.47	0.51	1.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,659)	1:480:A:LEU:HG	1:481:A:LYS:H	20	1.47	0.56	1.62
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD11	20	1.46	0.11	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD12	20	1.46	0.11	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD13	20	1.46	0.11	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD21	20	1.46	0.11	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD22	20	1.46	0.11	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD23	20	1.46	0.11	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD11	20	1.46	0.11	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD12	20	1.46	0.11	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD13	20	1.46	0.11	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD21	20	1.46	0.11	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD22	20	1.46	0.11	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD23	20	1.46	0.11	1.44
(1,100)	1:450:A:PHE:HD1	1:451:A:VAL:H	20	1.46	0.52	1.62
(1,100)	1:450:A:PHE:HD2	1:451:A:VAL:H	20	1.46	0.52	1.62
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG11	20	1.45	0.16	1.49
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG12	20	1.45	0.16	1.49
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG13	20	1.45	0.16	1.49
(1,1459)	1:414:A:GLN:HA	1:414:A:GLN:HG3	20	1.45	0.32	1.48
(1,415)	1:441:A:GLN:H	1:441:A:GLN:HB3	20	1.45	0.34	1.3
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG2	20	1.44	0.79	1.06
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG3	20	1.44	0.79	1.06
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG2	20	1.44	0.79	1.06
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG3	20	1.44	0.79	1.06
(1,387)	1:419:A:GLN:HB3	1:420:A:ASP:H	20	1.44	0.62	1.64
(1,1232)	1:419:A:GLN:HB3	1:420:A:ASP:H	20	1.44	0.62	1.64
(1,193)	1:436:A:VAL:H	1:436:A:VAL:HB	20	1.44	0.17	1.47
(1,1125)	1:436:A:VAL:H	1:436:A:VAL:HB	20	1.44	0.17	1.47
(1,597)	1:441:A:GLN:HB3	1:442:A:THR:H	20	1.43	0.63	1.67
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG21	20	1.43	0.69	1.0
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG22	20	1.43	0.69	1.0
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG23	20	1.43	0.69	1.0
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG21	20	1.43	0.69	1.0
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG22	20	1.43	0.69	1.0
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG23	20	1.43	0.69	1.0
(1,15)	1:432:A:ILE:H	1:432:A:ILE:HB	20	1.42	0.16	1.43
(1,1019)	1:432:A:ILE:H	1:432:A:ILE:HB	20	1.42	0.16	1.43
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG21	20	1.42	0.14	1.46
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG22	20	1.42	0.14	1.46
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG23	20	1.42	0.14	1.46
(1,274)	1:456:A:PRO:HB2	1:457:A:VAL:H	20	1.42	0.29	1.31
(1,1136)	1:456:A:PRO:HB2	1:457:A:VAL:H	20	1.42	0.29	1.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD1	20	1.42	0.19	1.48
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD2	20	1.42	0.19	1.48
(1,445)	1:418:A:ASP:HB2	1:419:A:GLN:H	20	1.41	0.2	1.42
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG2	20	1.41	0.08	1.4
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG3	20	1.41	0.08	1.4
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG2	20	1.41	0.08	1.4
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG3	20	1.41	0.08	1.4
(1,348)	1:408:A:PHE:H	1:408:A:PHE:HB3	20	1.4	0.33	1.25
(1,273)	1:457:A:VAL:H	1:457:A:VAL:HB	20	1.39	0.42	1.14
(1,1172)	1:457:A:VAL:H	1:457:A:VAL:HB	20	1.39	0.42	1.14
(1,975)	1:438:A:ILE:HG21	1:439:A:ASP:H	20	1.39	0.63	1.66
(1,975)	1:438:A:ILE:HG22	1:439:A:ASP:H	20	1.39	0.63	1.66
(1,975)	1:438:A:ILE:HG23	1:439:A:ASP:H	20	1.39	0.63	1.66
(1,586)	1:427:A:PRO:HG2	1:428:A:PHE:H	20	1.39	0.4	1.45
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG21	20	1.38	0.31	1.36
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG22	20	1.38	0.31	1.36
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG23	20	1.38	0.31	1.36
(1,122)	1:473:A:MET:H	1:473:A:MET:HB2	20	1.38	0.34	1.26
(1,591)	1:448:A:PHE:HB2	1:449:A:GLY:H	20	1.38	0.31	1.32
(1,591)	1:448:A:PHE:HB3	1:449:A:GLY:H	20	1.38	0.31	1.32
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG11	20	1.37	0.2	1.36
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG12	20	1.37	0.2	1.36
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG13	20	1.37	0.2	1.36
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD11	20	1.37	0.17	1.36
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD12	20	1.37	0.17	1.36
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD13	20	1.37	0.17	1.36
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD21	20	1.37	0.17	1.36
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD22	20	1.37	0.17	1.36
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD23	20	1.37	0.17	1.36
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD11	20	1.37	0.17	1.36
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD12	20	1.37	0.17	1.36
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD13	20	1.37	0.17	1.36
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD21	20	1.37	0.17	1.36
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD22	20	1.37	0.17	1.36
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD23	20	1.37	0.17	1.36
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG11	20	1.37	0.2	1.36
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG12	20	1.37	0.2	1.36
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG13	20	1.37	0.2	1.36
(1,1069)	1:432:A:ILE:HD11	1:454:A:ASP:HA	20	1.37	0.31	1.38
(1,1069)	1:432:A:ILE:HD12	1:454:A:ASP:HA	20	1.37	0.31	1.38
(1,1069)	1:432:A:ILE:HD13	1:454:A:ASP:HA	20	1.37	0.31	1.38
(1,39)	1:477:A:LYS:HB2	1:478:A:VAL:H	20	1.37	0.31	1.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,39)	1:477:A:LYS:HB3	1:478:A:VAL:H	20	1.37	0.31	1.25
(1,1101)	1:477:A:LYS:HB2	1:478:A:VAL:H	20	1.37	0.31	1.25
(1,1101)	1:477:A:LYS:HB3	1:478:A:VAL:H	20	1.37	0.31	1.25
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG11	20	1.36	0.34	1.42
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG12	20	1.36	0.34	1.42
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG13	20	1.36	0.34	1.42
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG2	20	1.36	0.06	1.37
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG3	20	1.36	0.06	1.37
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG2	20	1.36	0.06	1.37
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG3	20	1.36	0.06	1.37
(1,954)	1:463:A:ILE:HG21	1:464:A:GLN:H	20	1.35	0.43	1.2
(1,954)	1:463:A:ILE:HG22	1:464:A:GLN:H	20	1.35	0.43	1.2
(1,954)	1:463:A:ILE:HG23	1:464:A:GLN:H	20	1.35	0.43	1.2
(1,17)	1:431:A:VAL:HG21	1:432:A:ILE:H	20	1.35	0.21	1.28
(1,17)	1:431:A:VAL:HG22	1:432:A:ILE:H	20	1.35	0.21	1.28
(1,17)	1:431:A:VAL:HG23	1:432:A:ILE:H	20	1.35	0.21	1.28
(1,421)	1:462:A:ALA:HA	1:465:A:ALA:H	20	1.35	0.2	1.34
(1,1169)	1:462:A:ALA:HA	1:465:A:ALA:H	20	1.35	0.2	1.34
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	20	1.35	0.3	1.44
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	20	1.35	0.3	1.44
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	20	1.35	0.3	1.44
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	20	1.34	0.66	1.55
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	20	1.34	0.66	1.55
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	20	1.34	0.66	1.55
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	20	1.34	0.66	1.55
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	20	1.34	0.66	1.55
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	20	1.34	0.66	1.55
(1,248)	1:405:A:ALA:HB1	1:453:A:TYR:H	20	1.34	0.34	1.36
(1,248)	1:405:A:ALA:HB2	1:453:A:TYR:H	20	1.34	0.34	1.36
(1,248)	1:405:A:ALA:HB3	1:453:A:TYR:H	20	1.34	0.34	1.36
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD11	20	1.33	0.42	1.2
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD12	20	1.33	0.42	1.2
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD13	20	1.33	0.42	1.2
(1,540)	1:454:A:ASP:H	1:454:A:ASP:HB3	20	1.32	0.29	1.23
(1,1506)	1:426:A:MET:HE1	1:430:A:ASN:HA	20	1.31	0.59	1.36
(1,1506)	1:426:A:MET:HE2	1:430:A:ASN:HA	20	1.31	0.59	1.36
(1,1506)	1:426:A:MET:HE3	1:430:A:ASN:HA	20	1.31	0.59	1.36
(1,1485)	1:398:A:GLN:HA	1:398:A:GLN:HG3	20	1.31	0.68	1.19
(1,64)	1:436:A:VAL:HG11	1:437:A:PHE:H	20	1.31	0.33	1.36
(1,64)	1:436:A:VAL:HG12	1:437:A:PHE:H	20	1.31	0.33	1.36
(1,64)	1:436:A:VAL:HG13	1:437:A:PHE:H	20	1.31	0.33	1.36
(1,824)	1:436:A:VAL:HG11	1:437:A:PHE:H	20	1.31	0.33	1.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,824)	1:436:A:VAL:HG12	1:437:A:PHE:H	20	1.31	0.33	1.36
(1,824)	1:436:A:VAL:HG13	1:437:A:PHE:H	20	1.31	0.33	1.36
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG21	20	1.3	0.25	1.31
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG22	20	1.3	0.25	1.31
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG23	20	1.3	0.25	1.31
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG21	20	1.3	0.25	1.31
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG22	20	1.3	0.25	1.31
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG23	20	1.3	0.25	1.31
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG21	20	1.3	0.25	1.31
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG22	20	1.3	0.25	1.31
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG23	20	1.3	0.25	1.31
(1,341)	1:466:A:MET:HB2	1:467:A:ASN:H	20	1.3	0.14	1.27
(1,341)	1:466:A:MET:HB3	1:467:A:ASN:H	20	1.3	0.14	1.27
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD1	20	1.3	0.21	1.27
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD2	20	1.3	0.21	1.27
(1,1590)	1:411:A:HIS:HB2	1:411:A:HIS:HD2	20	1.3	0.42	1.1
(1,1458)	1:414:A:GLN:HA	1:414:A:GLN:HG2	20	1.29	0.12	1.28
(1,96)	1:451:A:VAL:H	1:451:A:VAL:HB	20	1.28	0.1	1.26
(1,1057)	1:451:A:VAL:H	1:451:A:VAL:HB	20	1.28	0.1	1.26
(1,358)	1:460:A:GLN:HA	1:463:A:ILE:H	20	1.28	0.33	1.26
(1,91)	1:480:A:LEU:HD11	1:481:A:LYS:H	20	1.28	0.35	1.32
(1,91)	1:480:A:LEU:HD12	1:481:A:LYS:H	20	1.28	0.35	1.32
(1,91)	1:480:A:LEU:HD13	1:481:A:LYS:H	20	1.28	0.35	1.32
(1,91)	1:480:A:LEU:HD21	1:481:A:LYS:H	20	1.28	0.35	1.32
(1,91)	1:480:A:LEU:HD22	1:481:A:LYS:H	20	1.28	0.35	1.32
(1,91)	1:480:A:LEU:HD23	1:481:A:LYS:H	20	1.28	0.35	1.32
(1,688)	1:480:A:LEU:HD11	1:481:A:LYS:H	20	1.28	0.35	1.32
(1,688)	1:480:A:LEU:HD12	1:481:A:LYS:H	20	1.28	0.35	1.32
(1,688)	1:480:A:LEU:HD13	1:481:A:LYS:H	20	1.28	0.35	1.32
(1,688)	1:480:A:LEU:HD21	1:481:A:LYS:H	20	1.28	0.35	1.32
(1,688)	1:480:A:LEU:HD22	1:481:A:LYS:H	20	1.28	0.35	1.32
(1,688)	1:480:A:LEU:HD23	1:481:A:LYS:H	20	1.28	0.35	1.32
(1,1061)	1:409:A:ILE:HA	1:409:A:ILE:HG12	20	1.25	0.3	1.14
(1,815)	1:434:A:ALA:HB1	1:435:A:LYS:HA	20	1.25	0.16	1.3
(1,815)	1:434:A:ALA:HB2	1:435:A:LYS:HA	20	1.25	0.16	1.3
(1,815)	1:434:A:ALA:HB3	1:435:A:LYS:HA	20	1.25	0.16	1.3
(1,240)	1:400:A:GLU:H	1:400:A:GLU:HB2	20	1.25	0.06	1.26
(1,1167)	1:400:A:GLU:H	1:400:A:GLU:HB2	20	1.25	0.06	1.26
(1,204)	1:416:A:PHE:H	1:416:A:PHE:HB3	20	1.25	0.19	1.2
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG21	20	1.24	0.37	1.19
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG22	20	1.24	0.37	1.19
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG23	20	1.24	0.37	1.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1239)	1:432:A:ILE:HG12	1:433:A:SER:H	20	1.24	0.22	1.2
(1,1239)	1:432:A:ILE:HG13	1:433:A:SER:H	20	1.24	0.22	1.2
(1,1253)	1:444:A:LEU:HA	1:444:A:LEU:HG	20	1.23	0.45	0.96
(1,485)	1:406:A:ASN:H	1:406:A:ASN:HB3	20	1.23	0.24	1.13
(1,1473)	1:398:A:GLN:HA	1:398:A:GLN:HG2	20	1.23	0.3	1.13
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG2	20	1.22	0.76	0.96
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG3	20	1.22	0.76	0.96
(1,941)	1:409:A:ILE:HB	1:410:A:TYR:H	20	1.22	0.24	1.27
(1,1017)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	20	1.22	0.26	1.4
(1,584)	1:428:A:PHE:H	1:428:A:PHE:HB3	20	1.21	0.07	1.22
(1,1188)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	20	1.21	0.12	1.16
(1,1192)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	20	1.21	0.12	1.16
(1,590)	1:410:A:TYR:HA	1:449:A:GLY:H	20	1.2	0.62	1.32
(1,1121)	1:410:A:TYR:HA	1:449:A:GLY:H	20	1.2	0.62	1.32
(1,261)	1:486:A:ASP:H	1:486:A:ASP:HB3	20	1.2	0.47	1.21
(1,939)	1:486:A:ASP:H	1:486:A:ASP:HB3	20	1.2	0.47	1.21
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD1	20	1.2	0.09	1.19
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD2	20	1.2	0.09	1.19
(1,406)	1:471:A:ILE:HG21	1:472:A:GLY:H	20	1.2	0.08	1.17
(1,406)	1:471:A:ILE:HG22	1:472:A:GLY:H	20	1.2	0.08	1.17
(1,406)	1:471:A:ILE:HG23	1:472:A:GLY:H	20	1.2	0.08	1.17
(1,973)	1:471:A:ILE:HG21	1:472:A:GLY:H	20	1.2	0.08	1.17
(1,973)	1:471:A:ILE:HG22	1:472:A:GLY:H	20	1.2	0.08	1.17
(1,973)	1:471:A:ILE:HG23	1:472:A:GLY:H	20	1.2	0.08	1.17
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG21	20	1.19	0.15	1.14
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG22	20	1.19	0.15	1.14
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG23	20	1.19	0.15	1.14
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG21	20	1.19	0.15	1.14
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG22	20	1.19	0.15	1.14
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG23	20	1.19	0.15	1.14
(1,545)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	20	1.19	0.27	1.28
(1,110)	1:476:A:LEU:HB2	1:477:A:LYS:H	20	1.19	0.12	1.21
(1,110)	1:476:A:LEU:HB3	1:477:A:LYS:H	20	1.19	0.12	1.21
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG21	20	1.18	0.12	1.23
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG22	20	1.18	0.12	1.23
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG23	20	1.18	0.12	1.23
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG21	20	1.18	0.12	1.23
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG22	20	1.18	0.12	1.23
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG23	20	1.18	0.12	1.23
(1,225)	1:418:A:ASP:H	1:418:A:ASP:HB2	20	1.18	0.04	1.17
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD1	20	1.16	0.25	1.1
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD2	20	1.16	0.25	1.1

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,158)	1:407:A:LEU:H	1:407:A:LEU:HB3	20	1.16	0.11	1.13
(1,1018)	1:443:A:ASN:HB3	1:443:A:ASN:HD22	20	1.16	0.2	1.15
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG21	20	1.15	0.08	1.15
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG22	20	1.15	0.08	1.15
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG23	20	1.15	0.08	1.15
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG21	20	1.15	0.08	1.15
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG22	20	1.15	0.08	1.15
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG23	20	1.15	0.08	1.15
(1,241)	1:399:A:LYS:HB2	1:400:A:GLU:H	20	1.14	0.23	1.17
(1,241)	1:399:A:LYS:HB3	1:400:A:GLU:H	20	1.14	0.23	1.17
(1,1162)	1:453:A:TYR:HD1	1:459:A:ALA:HA	20	1.14	0.63	0.95
(1,1162)	1:453:A:TYR:HD2	1:459:A:ALA:HA	20	1.14	0.63	0.95
(1,499)	1:467:A:ASN:HB2	1:467:A:ASN:HD22	20	1.14	0.07	1.13
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG2	20	1.13	0.48	0.91
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG3	20	1.13	0.48	0.91
(1,52)	1:471:A:ILE:H	1:474:A:LYS:H	20	1.13	0.36	1.29
(1,439)	1:421:A:ILE:H	1:421:A:ILE:HG13	20	1.13	0.49	1.22
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD11	20	1.13	0.27	1.08
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD12	20	1.13	0.27	1.08
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD13	20	1.13	0.27	1.08
(1,507)	1:454:A:ASP:H	1:455:A:ASN:H	20	1.12	0.17	1.16
(1,534)	1:453:A:TYR:HD1	1:454:A:ASP:H	20	1.12	0.64	0.78
(1,534)	1:453:A:TYR:HD2	1:454:A:ASP:H	20	1.12	0.64	0.78
(1,605)	1:426:A:MET:HA	1:429:A:GLY:H	20	1.12	0.37	1.19
(1,192)	1:418:A:ASP:HB2	1:436:A:VAL:H	20	1.12	0.55	1.1
(1,67)	1:436:A:VAL:HB	1:437:A:PHE:H	20	1.12	0.17	1.08
(1,576)	1:398:A:GLN:HG2	1:398:A:GLN:HE22	20	1.12	0.24	1.14
(1,1108)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	20	1.11	0.26	1.08
(1,324)	1:451:A:VAL:HG11	1:452:A:SER:H	20	1.1	0.22	1.12
(1,324)	1:451:A:VAL:HG12	1:452:A:SER:H	20	1.1	0.22	1.12
(1,324)	1:451:A:VAL:HG13	1:452:A:SER:H	20	1.1	0.22	1.12
(1,838)	1:451:A:VAL:HG11	1:452:A:SER:H	20	1.1	0.22	1.12
(1,838)	1:451:A:VAL:HG12	1:452:A:SER:H	20	1.1	0.22	1.12
(1,838)	1:451:A:VAL:HG13	1:452:A:SER:H	20	1.1	0.22	1.12
(1,521)	1:433:A:SER:H	1:433:A:SER:HB3	20	1.09	0.31	1.02
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD11	20	1.09	0.35	1.14
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD12	20	1.09	0.35	1.14
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD13	20	1.09	0.35	1.14
(1,143)	1:410:A:TYR:H	1:410:A:TYR:HB2	20	1.09	0.35	1.0
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD11	20	1.09	0.38	0.93
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD12	20	1.09	0.38	0.93
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD13	20	1.09	0.38	0.93

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD11	20	1.09	0.38	0.93
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD12	20	1.09	0.38	0.93
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD13	20	1.09	0.38	0.93
(1,998)	1:485:A:ASN:HB3	1:486:A:ASP:H	20	1.08	0.65	0.96
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG21	20	1.08	0.24	1.14
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG22	20	1.08	0.24	1.14
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG23	20	1.08	0.24	1.14
(1,1054)	1:400:A:GLU:HA	1:400:A:GLU:HG2	20	1.08	0.05	1.08
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG2	20	1.08	0.43	1.08
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG3	20	1.08	0.43	1.08
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	20	1.07	0.14	1.06
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	20	1.07	0.14	1.06
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	20	1.07	0.14	1.06
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	20	1.07	0.14	1.06
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	20	1.07	0.14	1.06
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	20	1.07	0.14	1.06
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	20	1.07	0.14	1.06
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	20	1.07	0.14	1.06
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	20	1.07	0.14	1.06
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	20	1.07	0.14	1.06
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	20	1.07	0.14	1.06
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	20	1.07	0.14	1.06
(1,84)	1:406:A:ASN:H	1:481:A:LYS:H	20	1.06	0.62	1.02
(1,1031)	1:430:A:ASN:HB2	1:431:A:VAL:H	20	1.05	0.17	1.04
(1,1031)	1:430:A:ASN:HB3	1:431:A:VAL:H	20	1.05	0.17	1.04
(1,451)	1:460:A:GLN:H	1:480:A:LEU:HG	20	1.05	0.9	0.42
(1,478)	1:444:A:LEU:HB2	1:445:A:SER:H	20	1.04	0.3	1.13
(1,1056)	1:451:A:VAL:HB	1:452:A:SER:H	20	1.04	0.09	1.02
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG21	20	1.04	0.07	1.06
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG22	20	1.04	0.07	1.06
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG23	20	1.04	0.07	1.06
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG2	20	1.04	0.39	0.94
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG3	20	1.04	0.39	0.94
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG2	20	1.04	0.39	0.94
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG3	20	1.04	0.39	0.94
(1,1)	1:469:A:PHE:HD1	1:470:A:GLN:H	20	1.04	0.44	0.8
(1,1)	1:469:A:PHE:HD2	1:470:A:GLN:H	20	1.04	0.44	0.8
(1,1394)	1:463:A:ILE:HG21	1:464:A:GLN:HA	20	1.03	0.3	1.08
(1,1394)	1:463:A:ILE:HG22	1:464:A:GLN:HA	20	1.03	0.3	1.08
(1,1394)	1:463:A:ILE:HG23	1:464:A:GLN:HA	20	1.03	0.3	1.08
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD2	20	1.02	0.15	1.06
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD3	20	1.02	0.15	1.06

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD2	20	1.02	0.15	1.06
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD3	20	1.02	0.15	1.06
(1,113)	1:476:A:LEU:HD11	1:477:A:LYS:H	20	1.0	0.54	0.82
(1,113)	1:476:A:LEU:HD12	1:477:A:LYS:H	20	1.0	0.54	0.82
(1,113)	1:476:A:LEU:HD13	1:477:A:LYS:H	20	1.0	0.54	0.82
(1,113)	1:476:A:LEU:HD21	1:477:A:LYS:H	20	1.0	0.54	0.82
(1,113)	1:476:A:LEU:HD22	1:477:A:LYS:H	20	1.0	0.54	0.82
(1,113)	1:476:A:LEU:HD23	1:477:A:LYS:H	20	1.0	0.54	0.82
(1,700)	1:476:A:LEU:HD11	1:477:A:LYS:H	20	1.0	0.54	0.82
(1,700)	1:476:A:LEU:HD12	1:477:A:LYS:H	20	1.0	0.54	0.82
(1,700)	1:476:A:LEU:HD13	1:477:A:LYS:H	20	1.0	0.54	0.82
(1,700)	1:476:A:LEU:HD21	1:477:A:LYS:H	20	1.0	0.54	0.82
(1,700)	1:476:A:LEU:HD22	1:477:A:LYS:H	20	1.0	0.54	0.82
(1,700)	1:476:A:LEU:HD23	1:477:A:LYS:H	20	1.0	0.54	0.82
(1,637)	1:476:A:LEU:HA	1:476:A:LEU:HG	20	0.99	0.08	0.97
(1,921)	1:455:A:ASN:HB3	1:455:A:ASN:HD22	20	0.98	0.17	0.86
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB2	20	0.96	0.41	1.13
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB3	20	0.96	0.41	1.13
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB2	20	0.96	0.41	1.13
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB3	20	0.96	0.41	1.13
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB2	20	0.96	0.41	1.13
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB3	20	0.96	0.41	1.13
(1,1498)	1:428:A:PHE:HE1	1:465:A:ALA:HA	20	0.96	0.44	0.86
(1,1498)	1:428:A:PHE:HE2	1:465:A:ALA:HA	20	0.96	0.44	0.86
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	20	0.96	0.53	1.06
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	20	0.96	0.53	1.06
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	20	0.96	0.53	1.06
(1,657)	1:474:A:LYS:HA	1:474:A:LYS:HG3	20	0.95	0.08	0.93
(1,467)	1:422:A:LEU:HD11	1:423:A:GLN:H	20	0.94	0.53	0.82
(1,467)	1:422:A:LEU:HD12	1:423:A:GLN:H	20	0.94	0.53	0.82
(1,467)	1:422:A:LEU:HD13	1:423:A:GLN:H	20	0.94	0.53	0.82
(1,467)	1:422:A:LEU:HD21	1:423:A:GLN:H	20	0.94	0.53	0.82
(1,467)	1:422:A:LEU:HD22	1:423:A:GLN:H	20	0.94	0.53	0.82
(1,467)	1:422:A:LEU:HD23	1:423:A:GLN:H	20	0.94	0.53	0.82
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD1	20	0.93	0.42	1.0
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD2	20	0.93	0.42	1.0
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD1	20	0.92	0.44	1.16
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD2	20	0.92	0.44	1.16
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD1	20	0.92	0.44	1.16
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD2	20	0.92	0.44	1.16
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD1	20	0.92	0.44	1.16
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD2	20	0.92	0.44	1.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,329)	1:402:A:PRO:HG2	1:403:A:GLU:H	20	0.92	0.32	1.06
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD1	20	0.9	0.22	0.84
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD2	20	0.9	0.22	0.84
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD1	20	0.9	0.22	0.84
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD2	20	0.9	0.22	0.84
(1,563)	1:410:A:TYR:HB3	1:411:A:HIS:H	20	0.89	0.23	0.86
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	20	0.89	0.66	0.52
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	20	0.89	0.66	0.52
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD11	20	0.89	0.11	0.88
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD12	20	0.89	0.11	0.88
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD13	20	0.89	0.11	0.88
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD11	20	0.89	0.11	0.88
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD12	20	0.89	0.11	0.88
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD13	20	0.89	0.11	0.88
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	20	0.88	0.7	0.42
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	20	0.88	0.7	0.42
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	20	0.88	0.7	0.42
(1,1159)	1:459:A:ALA:HA	1:461:A:ALA:HA	20	0.87	0.39	1.0
(1,57)	1:470:A:GLN:HG2	1:471:A:ILE:H	20	0.86	0.21	0.86
(1,57)	1:470:A:GLN:HG3	1:471:A:ILE:H	20	0.86	0.21	0.86
(1,829)	1:450:A:PHE:H	1:450:A:PHE:HB2	20	0.85	0.11	0.82
(1,997)	1:485:A:ASN:HB2	1:486:A:ASP:H	20	0.85	0.66	0.74
(1,676)	1:481:A:LYS:HG2	1:482:A:ARG:H	20	0.85	0.51	0.71
(1,676)	1:481:A:LYS:HG3	1:482:A:ARG:H	20	0.85	0.51	0.71
(1,553)	1:422:A:LEU:HA	1:425:A:PHE:H	20	0.85	0.39	0.86
(1,349)	1:407:A:LEU:HB3	1:408:A:PHE:H	20	0.84	0.09	0.84
(1,724)	1:407:A:LEU:HB3	1:408:A:PHE:H	20	0.84	0.09	0.84
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD11	20	0.84	0.08	0.85
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD12	20	0.84	0.08	0.85
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD13	20	0.84	0.08	0.85
(1,600)	1:428:A:PHE:HB2	1:429:A:GLY:H	20	0.84	0.12	0.84
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB1	20	0.84	0.37	0.93
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB2	20	0.84	0.37	0.93
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB3	20	0.84	0.37	0.93
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB1	20	0.84	0.37	0.93
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB2	20	0.84	0.37	0.93
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB3	20	0.84	0.37	0.93
(1,477)	1:444:A:LEU:HB3	1:445:A:SER:H	20	0.83	0.84	0.28
(1,836)	1:444:A:LEU:HB3	1:445:A:SER:H	20	0.83	0.84	0.28
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG21	20	0.83	0.16	0.78
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG22	20	0.83	0.16	0.78
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG23	20	0.83	0.16	0.78

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG21	20	0.83	0.16	0.78
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG22	20	0.83	0.16	0.78
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG23	20	0.83	0.16	0.78
(1,283)	1:407:A:LEU:HG	1:459:A:ALA:H	20	0.83	0.44	0.8
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB1	20	0.82	0.36	0.82
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB2	20	0.82	0.36	0.82
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB3	20	0.82	0.36	0.82
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB1	20	0.82	0.36	0.82
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB2	20	0.82	0.36	0.82
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB3	20	0.82	0.36	0.82
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB1	20	0.82	0.36	0.82
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB2	20	0.82	0.36	0.82
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB3	20	0.82	0.36	0.82
(1,373)	1:457:A:VAL:HB	1:458:A:SER:H	20	0.82	0.43	0.73
(1,412)	1:441:A:GLN:H	1:443:A:ASN:H	20	0.82	0.46	0.92
(1,583)	1:426:A:MET:HA	1:428:A:PHE:H	20	0.81	0.43	0.52
(1,738)	1:431:A:VAL:HG11	1:432:A:ILE:H	20	0.81	0.14	0.82
(1,738)	1:431:A:VAL:HG12	1:432:A:ILE:H	20	0.81	0.14	0.82
(1,738)	1:431:A:VAL:HG13	1:432:A:ILE:H	20	0.81	0.14	0.82
(1,1201)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	20	0.81	0.36	0.68
(1,1201)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	20	0.81	0.36	0.68
(1,154)	1:406:A:ASN:HB3	1:407:A:LEU:H	20	0.8	0.3	0.88
(1,926)	1:406:A:ASN:HB3	1:407:A:LEU:H	20	0.8	0.3	0.88
(1,682)	1:442:A:THR:HB	1:443:A:ASN:H	20	0.79	0.57	0.48
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD1	20	0.79	0.52	0.62
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD2	20	0.79	0.52	0.62
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD2	20	0.79	0.27	0.9
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD3	20	0.79	0.27	0.9
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB1	20	0.79	0.26	0.83
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB2	20	0.79	0.26	0.83
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB3	20	0.79	0.26	0.83
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB1	20	0.79	0.26	0.83
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB2	20	0.79	0.26	0.83
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB3	20	0.79	0.26	0.83
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB1	20	0.79	0.26	0.83
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB2	20	0.79	0.26	0.83
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB3	20	0.79	0.26	0.83
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG11	20	0.79	0.32	0.85
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG12	20	0.79	0.32	0.85
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG13	20	0.79	0.32	0.85
(1,133)	1:405:A:ALA:HB1	1:451:A:VAL:H	20	0.79	0.33	0.86
(1,133)	1:405:A:ALA:HB2	1:451:A:VAL:H	20	0.79	0.33	0.86

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,133)	1:405:A:ALA:HB3	1:451:A:VAL:H	20	0.79	0.33	0.86
(1,171)	1:483:A:SER:H	1:484:A:LYS:H	20	0.78	0.53	0.5
(1,960)	1:432:A:ILE:HG21	1:433:A:SER:H	20	0.78	0.22	0.82
(1,960)	1:432:A:ILE:HG22	1:433:A:SER:H	20	0.78	0.22	0.82
(1,960)	1:432:A:ILE:HG23	1:433:A:SER:H	20	0.78	0.22	0.82
(1,1005)	1:425:A:PHE:HB2	1:426:A:MET:H	20	0.77	0.31	0.66
(1,1097)	1:441:A:GLN:HA	1:444:A:LEU:H	20	0.77	0.7	0.42
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG21	20	0.77	0.06	0.76
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG22	20	0.77	0.06	0.76
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG23	20	0.77	0.06	0.76
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG21	20	0.77	0.06	0.76
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG22	20	0.77	0.06	0.76
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG23	20	0.77	0.06	0.76
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	20	0.77	0.5	0.64
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	20	0.77	0.5	0.64
(1,579)	1:400:A:GLU:HB3	1:401:A:GLY:H	20	0.76	0.18	0.76
(1,588)	1:409:A:ILE:H	1:449:A:GLY:H	20	0.76	0.38	0.84
(1,466)	1:422:A:LEU:HB2	1:423:A:GLN:H	20	0.75	0.39	0.72
(1,247)	1:452:A:SER:HB3	1:453:A:TYR:H	20	0.75	0.34	0.52
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	20	0.73	0.75	0.36
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	20	0.73	0.75	0.36
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	20	0.73	0.75	0.36
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	20	0.73	0.75	0.36
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	20	0.73	0.75	0.36
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	20	0.73	0.75	0.36
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG21	20	0.73	0.52	0.56
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG22	20	0.73	0.52	0.56
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG23	20	0.73	0.52	0.56
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG21	20	0.73	0.52	0.56
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG22	20	0.73	0.52	0.56
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG23	20	0.73	0.52	0.56
(1,1583)	1:416:A:PHE:HD1	1:417:A:GLY:H	20	0.73	0.28	0.82
(1,1583)	1:416:A:PHE:HD2	1:417:A:GLY:H	20	0.73	0.28	0.82
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG21	20	0.73	0.58	0.4
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG22	20	0.73	0.58	0.4
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG23	20	0.73	0.58	0.4
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG21	20	0.73	0.58	0.4
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG22	20	0.73	0.58	0.4
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG23	20	0.73	0.58	0.4
(1,302)	1:403:A:GLU:HG2	1:405:A:ALA:H	20	0.72	0.3	0.8
(1,1233)	1:419:A:GLN:HB2	1:420:A:ASP:H	20	0.72	0.17	0.73
(1,803)	1:465:A:ALA:HB1	1:466:A:MET:HA	20	0.71	0.12	0.74

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,803)	1:465:A:ALA:HB2	1:466:A:MET:HA	20	0.71	0.12	0.74
(1,803)	1:465:A:ALA:HB3	1:466:A:MET:HA	20	0.71	0.12	0.74
(1,29)	1:439:A:ASP:HB3	1:440:A:LYS:H	20	0.71	0.3	0.81
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB1	20	0.71	0.25	0.68
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB2	20	0.71	0.25	0.68
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB3	20	0.71	0.25	0.68
(1,101)	1:450:A:PHE:HB3	1:451:A:VAL:H	20	0.7	0.34	0.54
(1,1181)	1:479:A:GLN:HA	1:480:A:LEU:HG	20	0.7	0.27	0.82
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD1	20	0.69	0.06	0.68
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD2	20	0.69	0.06	0.68
(1,1011)	1:425:A:PHE:HB3	1:426:A:MET:H	20	0.68	0.19	0.69
(1,482)	1:405:A:ALA:H	1:406:A:ASN:H	20	0.68	0.06	0.69
(1,614)	1:407:A:LEU:H	1:407:A:LEU:HG	20	0.67	0.32	0.69
(1,860)	1:409:A:ILE:HG21	1:450:A:PHE:H	20	0.67	0.27	0.57
(1,860)	1:409:A:ILE:HG22	1:450:A:PHE:H	20	0.67	0.27	0.57
(1,860)	1:409:A:ILE:HG23	1:450:A:PHE:H	20	0.67	0.27	0.57
(1,103)	1:407:A:LEU:HG	1:479:A:GLN:H	20	0.66	0.5	0.45
(1,1247)	1:412:A:LEU:HG	1:421:A:ILE:HG13	20	0.64	0.32	0.54
(1,1464)	1:431:A:VAL:HA	1:453:A:TYR:HA	20	0.64	0.28	0.58
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB1	20	0.64	0.23	0.64
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB2	20	0.64	0.23	0.64
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB3	20	0.64	0.23	0.64
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB1	20	0.64	0.23	0.64
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB2	20	0.64	0.23	0.64
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB3	20	0.64	0.23	0.64
(1,446)	1:418:A:ASP:HB3	1:419:A:GLN:H	20	0.64	0.12	0.65
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG11	20	0.64	0.35	0.42
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG12	20	0.64	0.35	0.42
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG13	20	0.64	0.35	0.42
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG11	20	0.64	0.35	0.42
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG12	20	0.64	0.35	0.42
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG13	20	0.64	0.35	0.42
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	20	0.63	0.19	0.56
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	20	0.63	0.19	0.56
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	20	0.63	0.19	0.56
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	20	0.63	0.19	0.56
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	20	0.63	0.19	0.56
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	20	0.63	0.19	0.56
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	20	0.63	0.19	0.56
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	20	0.63	0.19	0.56
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	20	0.63	0.19	0.56
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	20	0.63	0.19	0.56

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	20	0.63	0.19	0.56
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	20	0.63	0.19	0.56
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	20	0.63	0.19	0.56
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	20	0.63	0.19	0.56
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	20	0.63	0.19	0.56
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	20	0.63	0.19	0.56
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	20	0.63	0.19	0.56
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	20	0.63	0.19	0.56
(1,542)	1:453:A:TYR:HB3	1:454:A:ASP:H	20	0.63	0.2	0.62
(1,883)	1:453:A:TYR:HB3	1:454:A:ASP:H	20	0.63	0.2	0.62
(1,280)	1:458:A:SER:HB2	1:459:A:ALA:H	20	0.63	0.32	0.5
(1,43)	1:438:A:ILE:H	1:439:A:ASP:H	20	0.63	0.17	0.63
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG21	20	0.62	0.29	0.53
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG22	20	0.62	0.29	0.53
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG23	20	0.62	0.29	0.53
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG21	20	0.62	0.29	0.53
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG22	20	0.62	0.29	0.53
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG23	20	0.62	0.29	0.53
(1,152)	1:406:A:ASN:H	1:407:A:LEU:H	20	0.62	0.19	0.65
(1,481)	1:406:A:ASN:H	1:407:A:LEU:H	20	0.62	0.19	0.65
(1,1230)	1:402:A:PRO:HG2	1:455:A:ASN:HA	20	0.62	0.25	0.58
(1,205)	1:415:A:GLU:HG2	1:416:A:PHE:H	20	0.62	0.62	0.36
(1,205)	1:415:A:GLU:HG3	1:416:A:PHE:H	20	0.62	0.62	0.36
(1,438)	1:420:A:ASP:HB3	1:421:A:ILE:H	20	0.62	0.42	0.34
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG21	20	0.62	0.43	0.38
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG22	20	0.62	0.43	0.38
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG23	20	0.62	0.43	0.38
(1,632)	1:476:A:LEU:H	1:476:A:LEU:HG	20	0.61	0.31	0.58
(1,148)	1:407:A:LEU:H	1:408:A:PHE:H	20	0.61	0.13	0.61
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	20	0.61	0.16	0.68
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	20	0.61	0.16	0.68
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	20	0.61	0.16	0.68
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	20	0.61	0.16	0.68
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	20	0.61	0.16	0.68
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	20	0.61	0.16	0.68
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	20	0.61	0.16	0.68
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	20	0.61	0.16	0.68
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	20	0.61	0.16	0.68
(1,655)	1:474:A:LYS:H	1:474:A:LYS:HG3	20	0.6	0.57	0.32
(1,48)	1:438:A:ILE:HB	1:439:A:ASP:H	20	0.6	0.3	0.52
(1,965)	1:438:A:ILE:HB	1:439:A:ASP:H	20	0.6	0.3	0.52
(1,549)	1:403:A:GLU:HB3	1:404:A:GLY:H	20	0.6	0.11	0.61

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1194)	1:403:A:GLU:HB3	1:404:A:GLY:H	20	0.6	0.11	0.61
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD1	20	0.6	0.11	0.61
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD2	20	0.6	0.11	0.61
(1,885)	1:433:A:SER:HB2	1:434:A:ALA:H	20	0.59	0.33	0.45
(1,258)	1:435:A:LYS:H	1:436:A:VAL:H	20	0.59	0.14	0.56
(1,231)	1:437:A:PHE:HB3	1:438:A:ILE:H	20	0.57	0.21	0.48
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD11	20	0.55	0.3	0.43
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD12	20	0.55	0.3	0.43
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD13	20	0.55	0.3	0.43
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD11	20	0.55	0.3	0.43
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD12	20	0.55	0.3	0.43
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD13	20	0.55	0.3	0.43
(1,369)	1:482:A:ARG:HB3	1:483:A:SER:H	20	0.54	0.25	0.38
(1,78)	1:434:A:ALA:H	1:435:A:LYS:H	20	0.54	0.16	0.47
(1,221)	1:407:A:LEU:HG	1:462:A:ALA:H	20	0.52	0.23	0.44
(1,615)	1:407:A:LEU:HG	1:462:A:ALA:H	20	0.52	0.23	0.44
(1,128)	1:467:A:ASN:HA	1:469:A:PHE:H	20	0.51	0.21	0.4
(1,1127)	1:467:A:ASN:HA	1:469:A:PHE:H	20	0.51	0.21	0.4
(1,271)	1:456:A:PRO:HD2	1:457:A:VAL:H	20	0.51	0.23	0.41
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB1	20	0.51	0.27	0.42
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB2	20	0.51	0.27	0.42
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB3	20	0.51	0.27	0.42
(1,207)	1:417:A:GLY:H	1:418:A:ASP:H	20	0.49	0.18	0.42
(1,279)	1:458:A:SER:HB3	1:459:A:ALA:H	20	0.49	0.43	0.28
(1,629)	1:402:A:PRO:HD3	1:403:A:GLU:HB2	20	0.49	0.18	0.43
(1,504)	1:409:A:ILE:HA	1:412:A:LEU:H	20	0.48	0.39	0.37
(1,139)	1:409:A:ILE:H	1:410:A:TYR:H	20	0.48	0.11	0.45
(1,1219)	1:414:A:GLN:HB2	1:415:A:GLU:H	20	0.46	0.11	0.43
(1,520)	1:433:A:SER:H	1:453:A:TYR:HA	20	0.46	0.22	0.39
(1,93)	1:476:A:LEU:H	1:477:A:LYS:H	20	0.46	0.05	0.45
(1,759)	1:403:A:GLU:HA	1:404:A:GLY:HA3	20	0.46	0.04	0.45
(1,1314)	1:429:A:GLY:HA2	1:430:A:ASN:HA	20	0.45	0.05	0.45
(1,178)	1:419:A:GLN:HA	1:422:A:LEU:H	20	0.45	0.3	0.34
(1,1088)	1:419:A:GLN:HA	1:422:A:LEU:H	20	0.45	0.3	0.34
(1,366)	1:467:A:ASN:HB3	1:468:A:GLY:H	20	0.43	0.07	0.44
(1,1408)	1:431:A:VAL:HA	1:432:A:ILE:HA	20	0.43	0.03	0.44
(1,949)	1:461:A:ALA:HB1	1:462:A:ALA:HA	20	0.42	0.08	0.4
(1,949)	1:461:A:ALA:HB2	1:462:A:ALA:HA	20	0.42	0.08	0.4
(1,949)	1:461:A:ALA:HB3	1:462:A:ALA:HA	20	0.42	0.08	0.4
(1,1492)	1:461:A:ALA:HB1	1:462:A:ALA:HA	20	0.42	0.08	0.4
(1,1492)	1:461:A:ALA:HB2	1:462:A:ALA:HA	20	0.42	0.08	0.4
(1,1492)	1:461:A:ALA:HB3	1:462:A:ALA:HA	20	0.42	0.08	0.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,184)	1:479:A:GLN:H	1:480:A:LEU:H	20	0.42	0.04	0.42
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE1	20	0.42	0.07	0.42
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE2	20	0.42	0.07	0.42
(1,21)	1:424:A:MET:H	1:426:A:MET:H	20	0.4	0.28	0.3
(1,874)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	20	0.4	0.15	0.38
(1,306)	1:475:A:ARG:H	1:476:A:LEU:H	20	0.4	0.04	0.41
(1,573)	1:463:A:ILE:HA	1:466:A:MET:H	20	0.4	0.11	0.39
(1,138)	1:410:A:TYR:H	1:411:A:HIS:H	20	0.39	0.04	0.4
(1,307)	1:474:A:LYS:H	1:475:A:ARG:H	20	0.39	0.02	0.38
(1,1468)	1:484:A:LYS:HA	1:485:A:ASN:HA	20	0.39	0.05	0.4
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	20	0.38	0.05	0.38
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	20	0.38	0.05	0.38
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	20	0.38	0.05	0.38
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	20	0.38	0.05	0.38
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	20	0.38	0.05	0.38
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	20	0.38	0.05	0.38
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	20	0.38	0.05	0.38
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	20	0.38	0.05	0.38
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	20	0.38	0.05	0.38
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	20	0.38	0.05	0.38
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	20	0.38	0.05	0.38
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	20	0.38	0.05	0.38
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG21	20	0.38	0.24	0.36
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG22	20	0.38	0.24	0.36
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG23	20	0.38	0.24	0.36
(1,763)	1:457:A:VAL:HG11	1:459:A:ALA:H	20	0.38	0.12	0.36
(1,763)	1:457:A:VAL:HG12	1:459:A:ALA:H	20	0.38	0.12	0.36
(1,763)	1:457:A:VAL:HG13	1:459:A:ALA:H	20	0.38	0.12	0.36
(1,763)	1:457:A:VAL:HG21	1:459:A:ALA:H	20	0.38	0.12	0.36
(1,763)	1:457:A:VAL:HG22	1:459:A:ALA:H	20	0.38	0.12	0.36
(1,763)	1:457:A:VAL:HG23	1:459:A:ALA:H	20	0.38	0.12	0.36
(1,71)	1:414:A:GLN:H	1:414:A:GLN:HG3	20	0.38	0.12	0.34
(1,1248)	1:404:A:GLY:HA3	1:480:A:LEU:HG	20	0.38	0.14	0.34
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG11	20	0.38	0.11	0.38
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG12	20	0.38	0.11	0.38
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG13	20	0.38	0.11	0.38
(1,468)	1:421:A:ILE:HG21	1:423:A:GLN:H	20	0.38	0.09	0.37
(1,468)	1:421:A:ILE:HG22	1:423:A:GLN:H	20	0.38	0.09	0.37
(1,468)	1:421:A:ILE:HG23	1:423:A:GLN:H	20	0.38	0.09	0.37
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD11	20	0.38	0.31	0.24
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD12	20	0.38	0.31	0.24
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD13	20	0.38	0.31	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,602)	1:428:A:PHE:HB3	1:429:A:GLY:H	20	0.37	0.05	0.36
(1,1352)	1:412:A:LEU:HG	1:417:A:GLY:HA3	20	0.37	0.29	0.3
(1,609)	1:409:A:ILE:HA	1:411:A:HIS:HB2	20	0.37	0.09	0.36
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	20	0.37	0.07	0.36
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	20	0.37	0.07	0.36
(1,260)	1:408:A:PHE:H	1:409:A:ILE:H	20	0.37	0.04	0.37
(1,338)	1:408:A:PHE:H	1:409:A:ILE:H	20	0.37	0.04	0.37
(1,344)	1:467:A:ASN:H	1:468:A:GLY:H	20	0.36	0.05	0.35
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD11	20	0.36	0.1	0.33
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD12	20	0.36	0.1	0.33
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD13	20	0.36	0.1	0.33
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG11	20	0.36	0.16	0.32
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG12	20	0.36	0.16	0.32
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG13	20	0.36	0.16	0.32
(1,79)	1:433:A:SER:H	1:434:A:ALA:H	20	0.36	0.09	0.36
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG2	20	0.35	0.12	0.37
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG3	20	0.35	0.12	0.37
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG2	20	0.35	0.12	0.37
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG3	20	0.35	0.12	0.37
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG2	20	0.35	0.12	0.37
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG3	20	0.35	0.12	0.37
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG2	20	0.35	0.12	0.37
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG3	20	0.35	0.12	0.37
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG2	20	0.35	0.12	0.37
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG3	20	0.35	0.12	0.37
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG2	20	0.35	0.12	0.37
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG3	20	0.35	0.12	0.37
(1,296)	1:450:A:PHE:H	1:451:A:VAL:H	20	0.35	0.05	0.34
(1,245)	1:453:A:TYR:H	1:454:A:ASP:H	20	0.35	0.05	0.36
(1,1052)	1:400:A:GLU:HG3	1:401:A:GLY:H	20	0.34	0.13	0.31
(1,54)	1:470:A:GLN:H	1:471:A:ILE:H	20	0.34	0.04	0.35
(1,76)	1:445:A:SER:H	1:446:A:LYS:H	20	0.34	0.07	0.34
(1,94)	1:451:A:VAL:H	1:452:A:SER:H	20	0.34	0.03	0.33
(1,408)	1:420:A:ASP:H	1:422:A:LEU:H	20	0.33	0.13	0.32
(1,5)	1:469:A:PHE:HB2	1:470:A:GLN:H	20	0.33	0.05	0.32
(1,598)	1:429:A:GLY:H	1:430:A:ASN:H	20	0.33	0.06	0.34
(1,4)	1:469:A:PHE:HB3	1:470:A:GLN:H	20	0.33	0.03	0.33
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB2	20	0.31	0.12	0.32
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB3	20	0.31	0.12	0.32
(1,692)	1:471:A:ILE:HA	1:472:A:GLY:HA2	20	0.31	0.02	0.3
(1,1453)	1:433:A:SER:HA	1:434:A:ALA:HA	20	0.31	0.03	0.3
(1,285)	1:449:A:GLY:H	1:450:A:PHE:H	20	0.31	0.04	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,587)	1:449:A:GLY:H	1:450:A:PHE:H	20	0.31	0.04	0.3
(1,242)	1:399:A:LYS:HG2	1:400:A:GLU:H	20	0.31	0.28	0.24
(1,242)	1:399:A:LYS:HG3	1:400:A:GLU:H	20	0.31	0.28	0.24
(1,684)	1:399:A:LYS:HG2	1:400:A:GLU:H	20	0.31	0.28	0.24
(1,684)	1:399:A:LYS:HG3	1:400:A:GLU:H	20	0.31	0.28	0.24
(1,1469)	1:483:A:SER:HB2	1:484:A:LYS:HA	20	0.3	0.24	0.24
(1,1469)	1:483:A:SER:HB3	1:484:A:LYS:HA	20	0.3	0.24	0.24
(1,1157)	1:461:A:ALA:HA	1:464:A:GLN:H	20	0.3	0.1	0.29
(1,60)	1:436:A:VAL:HG21	1:437:A:PHE:H	20	0.3	0.05	0.3
(1,60)	1:436:A:VAL:HG22	1:437:A:PHE:H	20	0.3	0.05	0.3
(1,60)	1:436:A:VAL:HG23	1:437:A:PHE:H	20	0.3	0.05	0.3
(1,752)	1:436:A:VAL:HG21	1:437:A:PHE:H	20	0.3	0.05	0.3
(1,752)	1:436:A:VAL:HG22	1:437:A:PHE:H	20	0.3	0.05	0.3
(1,752)	1:436:A:VAL:HG23	1:437:A:PHE:H	20	0.3	0.05	0.3
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	20	0.3	0.23	0.23
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	20	0.3	0.23	0.23
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	20	0.3	0.23	0.23
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	20	0.3	0.23	0.23
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	20	0.3	0.23	0.23
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	20	0.3	0.23	0.23
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	20	0.3	0.23	0.23
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	20	0.3	0.23	0.23
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	20	0.3	0.23	0.23
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	20	0.3	0.23	0.23
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	20	0.3	0.23	0.23
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	20	0.3	0.23	0.23
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	20	0.3	0.23	0.23
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	20	0.3	0.23	0.23
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	20	0.3	0.23	0.23
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	20	0.3	0.23	0.23
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	20	0.3	0.23	0.23
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	20	0.3	0.23	0.23
(1,340)	1:465:A:ALA:H	1:467:A:ASN:H	20	0.3	0.05	0.3
(1,634)	1:469:A:PHE:HE1	1:476:A:LEU:HG	20	0.3	0.07	0.3
(1,634)	1:469:A:PHE:HE2	1:476:A:LEU:HG	20	0.3	0.07	0.3
(1,28)	1:439:A:ASP:HB2	1:440:A:LYS:H	20	0.3	0.06	0.29
(1,1077)	1:413:A:PRO:HB2	1:414:A:GLN:HA	20	0.3	0.04	0.29
(1,1077)	1:413:A:PRO:HB3	1:414:A:GLN:HA	20	0.3	0.04	0.29
(1,405)	1:471:A:ILE:HG12	1:472:A:GLY:H	20	0.29	0.07	0.32
(1,405)	1:471:A:ILE:HG13	1:472:A:GLY:H	20	0.29	0.07	0.32
(1,317)	1:473:A:MET:HB3	1:474:A:LYS:H	20	0.27	0.12	0.22
(1,608)	1:410:A:TYR:HA	1:411:A:HIS:HB2	20	0.26	0.05	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB2	20	0.26	0.05	0.25
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB3	20	0.26	0.05	0.25
(1,33)	1:477:A:LYS:H	1:478:A:VAL:H	20	0.25	0.03	0.24
(1,92)	1:477:A:LYS:H	1:478:A:VAL:H	20	0.25	0.03	0.24
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB1	20	0.24	0.05	0.26
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB2	20	0.24	0.05	0.26
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB3	20	0.24	0.05	0.26
(1,1066)	1:414:A:GLN:HA	1:415:A:GLU:HA	20	0.24	0.05	0.24
(1,167)	1:480:A:LEU:H	1:480:A:LEU:HG	20	0.24	0.07	0.22
(1,658)	1:480:A:LEU:H	1:480:A:LEU:HG	20	0.24	0.07	0.22
(1,670)	1:480:A:LEU:H	1:480:A:LEU:HG	20	0.24	0.07	0.22
(1,1395)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	20	0.23	0.04	0.23
(1,1395)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	20	0.23	0.04	0.23
(1,1395)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	20	0.23	0.04	0.23
(1,1415)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	20	0.23	0.04	0.23
(1,1415)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	20	0.23	0.04	0.23
(1,1415)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	20	0.23	0.04	0.23
(1,350)	1:407:A:LEU:HB2	1:408:A:PHE:H	20	0.22	0.06	0.21
(1,729)	1:407:A:LEU:HB2	1:408:A:PHE:H	20	0.22	0.06	0.21
(1,243)	1:400:A:GLU:H	1:401:A:GLY:H	20	0.21	0.05	0.22
(1,9)	1:431:A:VAL:H	1:432:A:ILE:H	20	0.2	0.05	0.19
(1,376)	1:444:A:LEU:H	1:445:A:SER:H	20	0.2	0.05	0.18
(1,473)	1:444:A:LEU:H	1:445:A:SER:H	20	0.2	0.05	0.18
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE1	20	0.2	0.05	0.2
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE2	20	0.2	0.05	0.2
(1,492)	1:415:A:GLU:H	1:416:A:PHE:HB2	20	0.19	0.05	0.19
(1,404)	1:471:A:ILE:HB	1:472:A:GLY:H	20	0.17	0.03	0.16
(1,980)	1:471:A:ILE:HB	1:472:A:GLY:H	20	0.17	0.03	0.16
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	19	2.22	0.29	2.26
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	19	2.22	0.29	2.26
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	19	2.22	0.29	2.26
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	19	2.22	0.29	2.26
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	19	2.22	0.29	2.26
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	19	2.22	0.29	2.26
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	19	2.22	0.29	2.26
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	19	2.22	0.29	2.26
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	19	2.22	0.29	2.26
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	19	2.22	0.29	2.26
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	19	2.22	0.29	2.26
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	19	2.22	0.29	2.26
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	19	2.22	0.29	2.26
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	19	2.22	0.29	2.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	19	2.22	0.29	2.26
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	19	2.22	0.29	2.26
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	19	2.22	0.29	2.26
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	19	2.22	0.29	2.26
(1,310)	1:475:A:ARG:H	1:475:A:ARG:HD2	19	2.02	0.74	2.17
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	19	2.0	0.33	2.1
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	19	2.0	0.33	2.1
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	19	2.0	0.33	2.1
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	19	2.0	0.33	2.1
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	19	2.0	0.33	2.1
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	19	2.0	0.33	2.1
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	19	2.0	0.33	2.1
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	19	2.0	0.33	2.1
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	19	2.0	0.33	2.1
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	19	1.97	0.48	2.28
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	19	1.97	0.48	2.28
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	19	1.97	0.48	2.28
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	19	1.97	0.48	2.28
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	19	1.97	0.48	2.28
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	19	1.97	0.48	2.28
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	19	1.97	0.48	2.28
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	19	1.97	0.48	2.28
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	19	1.97	0.48	2.28
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	19	1.97	0.48	2.28
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	19	1.97	0.48	2.28
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	19	1.97	0.48	2.28
(1,300)	1:405:A:ALA:H	1:456:A:PRO:HD3	19	1.92	0.2	1.95
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	19	1.73	0.8	2.02
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	19	1.73	0.8	2.02
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	19	1.73	0.8	2.02
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	19	1.73	0.8	2.02
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	19	1.73	0.8	2.02
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	19	1.73	0.8	2.02
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	19	1.73	0.8	2.02
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	19	1.73	0.8	2.02
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	19	1.73	0.8	2.02
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	19	1.73	0.8	2.02
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	19	1.73	0.8	2.02
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	19	1.73	0.8	2.02
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	19	1.73	0.8	2.02
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	19	1.73	0.8	2.02
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	19	1.73	0.8	2.02

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	19	1.73	0.8	2.02
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	19	1.73	0.8	2.02
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	19	1.73	0.8	2.02
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	19	1.73	0.8	2.02
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	19	1.73	0.8	2.02
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	19	1.73	0.8	2.02
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	19	1.73	0.8	2.02
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	19	1.73	0.8	2.02
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	19	1.73	0.8	2.02
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	19	1.73	0.8	2.02
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	19	1.73	0.8	2.02
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	19	1.73	0.8	2.02
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	19	1.73	0.8	2.02
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	19	1.73	0.8	2.02
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	19	1.73	0.8	2.02
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	19	1.73	0.8	2.02
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	19	1.73	0.8	2.02
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	19	1.73	0.8	2.02
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	19	1.73	0.8	2.02
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	19	1.73	0.8	2.02
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	19	1.73	0.8	2.02
(1,923)	1:455:A:ASN:HB3	1:457:A:VAL:H	19	1.65	0.12	1.68
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB1	19	1.61	0.94	2.0
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB2	19	1.61	0.94	2.0
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB3	19	1.61	0.94	2.0
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB1	19	1.61	0.94	2.0
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB2	19	1.61	0.94	2.0
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB3	19	1.61	0.94	2.0
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB1	19	1.61	0.94	2.0
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB2	19	1.61	0.94	2.0
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB3	19	1.61	0.94	2.0
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB1	19	1.61	0.94	2.0
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB2	19	1.61	0.94	2.0
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB3	19	1.61	0.94	2.0
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB1	19	1.61	0.94	2.0
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB2	19	1.61	0.94	2.0
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB3	19	1.61	0.94	2.0
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB1	19	1.61	0.94	2.0
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB2	19	1.61	0.94	2.0
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB3	19	1.61	0.94	2.0
(1,503)	1:410:A:TYR:HA	1:412:A:LEU:H	19	1.43	0.23	1.35
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG21	19	1.42	0.61	1.75

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG22	19	1.42	0.61	1.75
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG23	19	1.42	0.61	1.75
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG21	19	1.42	0.61	1.75
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG22	19	1.42	0.61	1.75
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG23	19	1.42	0.61	1.75
(1,1164)	1:407:A:LEU:HD11	1:459:A:ALA:HA	19	1.26	0.6	1.53
(1,1164)	1:407:A:LEU:HD12	1:459:A:ALA:HA	19	1.26	0.6	1.53
(1,1164)	1:407:A:LEU:HD13	1:459:A:ALA:HA	19	1.26	0.6	1.53
(1,1164)	1:407:A:LEU:HD21	1:459:A:ALA:HA	19	1.26	0.6	1.53
(1,1164)	1:407:A:LEU:HD22	1:459:A:ALA:HA	19	1.26	0.6	1.53
(1,1164)	1:407:A:LEU:HD23	1:459:A:ALA:HA	19	1.26	0.6	1.53
(1,1491)	1:407:A:LEU:HD11	1:459:A:ALA:HA	19	1.26	0.6	1.53
(1,1491)	1:407:A:LEU:HD12	1:459:A:ALA:HA	19	1.26	0.6	1.53
(1,1491)	1:407:A:LEU:HD13	1:459:A:ALA:HA	19	1.26	0.6	1.53
(1,1491)	1:407:A:LEU:HD21	1:459:A:ALA:HA	19	1.26	0.6	1.53
(1,1491)	1:407:A:LEU:HD22	1:459:A:ALA:HA	19	1.26	0.6	1.53
(1,1491)	1:407:A:LEU:HD23	1:459:A:ALA:HA	19	1.26	0.6	1.53
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	19	1.23	0.4	1.35
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	19	1.23	0.4	1.35
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	19	1.23	0.4	1.35
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	19	1.23	0.4	1.35
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	19	1.23	0.4	1.35
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	19	1.23	0.4	1.35
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	19	1.23	0.4	1.35
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	19	1.23	0.4	1.35
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	19	1.23	0.4	1.35
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	19	1.23	0.4	1.35
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	19	1.23	0.4	1.35
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	19	1.23	0.4	1.35
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	19	1.23	0.4	1.35
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	19	1.23	0.4	1.35
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	19	1.23	0.4	1.35
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	19	1.23	0.4	1.35
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	19	1.23	0.4	1.35
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	19	1.23	0.4	1.35
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	19	1.2	0.82	1.37
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	19	1.2	0.82	1.37
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	19	1.2	0.82	1.37
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	19	1.2	0.82	1.37
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	19	1.2	0.82	1.37
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	19	1.2	0.82	1.37
(1,1073)	1:432:A:ILE:HD11	1:454:A:ASP:H	19	0.95	0.55	0.79

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1073)	1:432:A:ILE:HD12	1:454:A:ASP:H	19	0.95	0.55	0.79
(1,1073)	1:432:A:ILE:HD13	1:454:A:ASP:H	19	0.95	0.55	0.79
(1,496)	1:455:A:ASN:HA	1:455:A:ASN:HD22	19	0.92	0.46	1.15
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	19	0.82	0.46	0.71
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	19	0.82	0.46	0.71
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	19	0.82	0.46	0.71
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	19	0.82	0.46	0.71
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	19	0.82	0.46	0.71
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	19	0.82	0.46	0.71
(1,286)	1:435:A:LYS:H	1:450:A:PHE:H	19	0.77	0.48	0.75
(1,465)	1:422:A:LEU:HB3	1:423:A:GLN:H	19	0.77	0.49	1.0
(1,1240)	1:432:A:ILE:HG12	1:454:A:ASP:H	19	0.77	0.27	0.75
(1,1240)	1:432:A:ILE:HG13	1:454:A:ASP:H	19	0.77	0.27	0.75
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG11	19	0.77	0.38	0.98
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG12	19	0.77	0.38	0.98
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG13	19	0.77	0.38	0.98
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG11	19	0.77	0.38	0.98
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG12	19	0.77	0.38	0.98
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG13	19	0.77	0.38	0.98
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG11	19	0.77	0.38	0.98
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG12	19	0.77	0.38	0.98
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG13	19	0.77	0.38	0.98
(1,645)	1:407:A:LEU:HD11	1:451:A:VAL:H	19	0.75	0.21	0.77
(1,645)	1:407:A:LEU:HD12	1:451:A:VAL:H	19	0.75	0.21	0.77
(1,645)	1:407:A:LEU:HD13	1:451:A:VAL:H	19	0.75	0.21	0.77
(1,645)	1:407:A:LEU:HD21	1:451:A:VAL:H	19	0.75	0.21	0.77
(1,645)	1:407:A:LEU:HD22	1:451:A:VAL:H	19	0.75	0.21	0.77
(1,645)	1:407:A:LEU:HD23	1:451:A:VAL:H	19	0.75	0.21	0.77
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG21	19	0.73	0.34	0.91
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG22	19	0.73	0.34	0.91
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG23	19	0.73	0.34	0.91
(1,518)	1:430:A:ASN:HA	1:430:A:ASN:HD22	19	0.61	0.4	0.59
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG21	19	0.59	0.34	0.52
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG22	19	0.59	0.34	0.52
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG23	19	0.59	0.34	0.52
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD1	19	0.58	0.24	0.62
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD2	19	0.58	0.24	0.62
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD1	19	0.58	0.24	0.62
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD2	19	0.58	0.24	0.62
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD1	19	0.58	0.24	0.62
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD2	19	0.58	0.24	0.62
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD1	19	0.58	0.24	0.62

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD2	19	0.58	0.24	0.62
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD1	19	0.58	0.24	0.62
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD2	19	0.58	0.24	0.62
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD1	19	0.58	0.24	0.62
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD2	19	0.58	0.24	0.62
(1,206)	1:412:A:LEU:HD11	1:416:A:PHE:H	19	0.56	0.28	0.43
(1,206)	1:412:A:LEU:HD12	1:416:A:PHE:H	19	0.56	0.28	0.43
(1,206)	1:412:A:LEU:HD13	1:416:A:PHE:H	19	0.56	0.28	0.43
(1,206)	1:412:A:LEU:HD21	1:416:A:PHE:H	19	0.56	0.28	0.43
(1,206)	1:412:A:LEU:HD22	1:416:A:PHE:H	19	0.56	0.28	0.43
(1,206)	1:412:A:LEU:HD23	1:416:A:PHE:H	19	0.56	0.28	0.43
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD11	19	0.54	0.31	0.42
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD12	19	0.54	0.31	0.42
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD13	19	0.54	0.31	0.42
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD21	19	0.54	0.31	0.42
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD22	19	0.54	0.31	0.42
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD23	19	0.54	0.31	0.42
(1,922)	1:455:A:ASN:HB3	1:458:A:SER:H	19	0.54	0.48	0.37
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	19	0.53	0.3	0.55
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	19	0.53	0.3	0.55
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	19	0.53	0.3	0.55
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	19	0.51	0.28	0.38
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	19	0.51	0.28	0.38
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG11	19	0.51	0.35	0.39
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG12	19	0.51	0.35	0.39
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG13	19	0.51	0.35	0.39
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB2	19	0.45	0.27	0.33
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB3	19	0.45	0.27	0.33
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB2	19	0.45	0.27	0.33
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB3	19	0.45	0.27	0.33
(1,1098)	1:440:A:LYS:HA	1:442:A:THR:H	19	0.43	0.37	0.28
(1,425)	1:438:A:ILE:HB	1:443:A:ASN:H	19	0.39	0.24	0.36
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD11	19	0.38	0.09	0.38
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD12	19	0.38	0.09	0.38
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD13	19	0.38	0.09	0.38
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	19	0.36	0.22	0.28
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	19	0.36	0.22	0.28
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	19	0.36	0.22	0.28
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	19	0.36	0.22	0.28
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	19	0.36	0.22	0.28
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	19	0.36	0.22	0.28
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	19	0.36	0.22	0.28

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	19	0.36	0.22	0.28
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	19	0.36	0.22	0.28
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	19	0.36	0.22	0.28
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	19	0.36	0.22	0.28
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	19	0.36	0.22	0.28
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD2	19	0.36	0.26	0.29
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD3	19	0.36	0.26	0.29
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	19	0.36	0.3	0.25
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	19	0.36	0.3	0.25
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	19	0.36	0.3	0.25
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	19	0.36	0.3	0.25
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	19	0.36	0.3	0.25
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	19	0.36	0.3	0.25
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	19	0.36	0.3	0.25
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	19	0.36	0.3	0.25
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	19	0.36	0.3	0.25
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	19	0.36	0.3	0.25
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	19	0.36	0.3	0.25
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	19	0.36	0.3	0.25
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	19	0.36	0.3	0.25
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	19	0.36	0.3	0.25
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	19	0.36	0.3	0.25
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	19	0.36	0.3	0.25
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	19	0.36	0.3	0.25
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	19	0.36	0.3	0.25
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE1	19	0.35	0.19	0.29
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE2	19	0.35	0.19	0.29
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE3	19	0.35	0.19	0.29
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE1	19	0.35	0.19	0.29
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE2	19	0.35	0.19	0.29
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE3	19	0.35	0.19	0.29
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE1	19	0.35	0.19	0.29
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE2	19	0.35	0.19	0.29
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE3	19	0.35	0.19	0.29
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG21	19	0.31	0.07	0.32
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG22	19	0.31	0.07	0.32
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG23	19	0.31	0.07	0.32
(1,831)	1:450:A:PHE:HB3	1:451:A:VAL:HB	19	0.28	0.06	0.28
(1,539)	1:453:A:TYR:HB2	1:454:A:ASP:H	19	0.28	0.09	0.3
(1,1387)	1:409:A:ILE:HB	1:449:A:GLY:HA3	19	0.28	0.1	0.26
(1,299)	1:403:A:GLU:HA	1:405:A:ALA:H	19	0.28	0.07	0.26
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	19	0.27	0.11	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	19	0.27	0.11	0.24
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	19	0.27	0.11	0.24
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	19	0.27	0.11	0.24
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	19	0.27	0.11	0.24
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	19	0.27	0.11	0.24
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	19	0.27	0.11	0.24
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	19	0.27	0.11	0.24
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	19	0.27	0.11	0.24
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	19	0.27	0.11	0.24
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	19	0.27	0.11	0.24
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	19	0.27	0.11	0.24
(1,155)	1:407:A:LEU:H	1:408:A:PHE:HB2	19	0.25	0.09	0.27
(1,200)	1:416:A:PHE:H	1:417:A:GLY:H	19	0.25	0.11	0.25
(1,531)	1:416:A:PHE:H	1:417:A:GLY:H	19	0.25	0.11	0.25
(1,251)	1:452:A:SER:HB2	1:453:A:TYR:H	19	0.25	0.06	0.24
(1,861)	1:452:A:SER:HB2	1:453:A:TYR:H	19	0.25	0.06	0.24
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD1	19	0.25	0.08	0.22
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD2	19	0.25	0.08	0.22
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG2	19	0.22	0.09	0.21
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG3	19	0.22	0.09	0.21
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG2	19	0.22	0.09	0.21
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG3	19	0.22	0.09	0.21
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG2	19	0.22	0.09	0.21
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG3	19	0.22	0.09	0.21
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG2	19	0.22	0.09	0.21
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG3	19	0.22	0.09	0.21
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG2	19	0.22	0.09	0.21
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG3	19	0.22	0.09	0.21
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG2	19	0.22	0.09	0.21
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG3	19	0.22	0.09	0.21
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE1	19	0.21	0.04	0.21
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE2	19	0.21	0.04	0.21
(1,343)	1:465:A:ALA:HB1	1:467:A:ASN:H	19	0.18	0.06	0.16
(1,343)	1:465:A:ALA:HB2	1:467:A:ASN:H	19	0.18	0.06	0.16
(1,343)	1:465:A:ALA:HB3	1:467:A:ASN:H	19	0.18	0.06	0.16
(1,799)	1:465:A:ALA:HB1	1:467:A:ASN:H	19	0.18	0.06	0.16
(1,799)	1:465:A:ALA:HB2	1:467:A:ASN:H	19	0.18	0.06	0.16
(1,799)	1:465:A:ALA:HB3	1:467:A:ASN:H	19	0.18	0.06	0.16
(1,1154)	1:461:A:ALA:HA	1:462:A:ALA:HA	19	0.16	0.03	0.16
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB1	18	1.51	0.53	1.67
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB2	18	1.51	0.53	1.67
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB3	18	1.51	0.53	1.67

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD11	18	1.43	0.93	1.01
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD12	18	1.43	0.93	1.01
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD13	18	1.43	0.93	1.01
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	18	1.37	0.45	1.55
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	18	1.37	0.45	1.55
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	18	1.37	0.45	1.55
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	18	1.37	0.45	1.55
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	18	1.37	0.45	1.55
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	18	1.37	0.45	1.55
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	18	1.36	0.49	1.53
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	18	1.36	0.49	1.53
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	18	1.36	0.49	1.53
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	18	1.36	0.49	1.53
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	18	1.36	0.49	1.53
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	18	1.36	0.49	1.53
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	18	1.36	0.49	1.53
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	18	1.36	0.49	1.53
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	18	1.36	0.49	1.53
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	18	1.36	0.49	1.53
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	18	1.36	0.49	1.53
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	18	1.36	0.49	1.53
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	18	1.36	0.49	1.53
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	18	1.36	0.49	1.53
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	18	1.36	0.49	1.53
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	18	1.36	0.49	1.53
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	18	1.36	0.49	1.53
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	18	1.36	0.49	1.53
(1,984)	1:416:A:PHE:HB2	1:417:A:GLY:H	18	1.18	0.36	1.25
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB1	18	0.98	0.18	1.03
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB2	18	0.98	0.18	1.03
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB3	18	0.98	0.18	1.03
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB2	18	0.86	0.39	0.92
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB3	18	0.86	0.39	0.92
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB2	18	0.86	0.39	0.92
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB3	18	0.86	0.39	0.92
(1,314)	1:474:A:LYS:HD2	1:475:A:ARG:H	18	0.85	0.43	0.91
(1,314)	1:474:A:LYS:HD3	1:475:A:ARG:H	18	0.85	0.43	0.91
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	18	0.8	0.49	0.83
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	18	0.8	0.49	0.83
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	18	0.8	0.49	0.83
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	18	0.8	0.49	0.83
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	18	0.8	0.49	0.83

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	18	0.8	0.49	0.83
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	18	0.8	0.49	0.83
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	18	0.8	0.49	0.83
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	18	0.8	0.49	0.83
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	18	0.8	0.49	0.83
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	18	0.8	0.49	0.83
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	18	0.8	0.49	0.83
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	18	0.8	0.49	0.83
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	18	0.8	0.49	0.83
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	18	0.8	0.49	0.83
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	18	0.8	0.49	0.83
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	18	0.8	0.49	0.83
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	18	0.8	0.49	0.83
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD11	18	0.73	0.36	0.7
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD12	18	0.73	0.36	0.7
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD13	18	0.73	0.36	0.7
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD11	18	0.73	0.36	0.7
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD12	18	0.73	0.36	0.7
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD13	18	0.73	0.36	0.7
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD11	18	0.73	0.36	0.7
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD12	18	0.73	0.36	0.7
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD13	18	0.73	0.36	0.7
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD11	18	0.73	0.36	0.7
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD12	18	0.73	0.36	0.7
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD13	18	0.73	0.36	0.7
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD11	18	0.73	0.36	0.7
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD12	18	0.73	0.36	0.7
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD13	18	0.73	0.36	0.7
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD11	18	0.73	0.36	0.7
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD12	18	0.73	0.36	0.7
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD13	18	0.73	0.36	0.7
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD11	18	0.54	0.24	0.6
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD12	18	0.54	0.24	0.6
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD13	18	0.54	0.24	0.6
(1,157)	1:406:A:ASN:HB2	1:407:A:LEU:H	18	0.54	0.34	0.36
(1,660)	1:406:A:ASN:H	1:480:A:LEU:HG	18	0.5	0.48	0.25
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD11	18	0.48	0.35	0.34
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD12	18	0.48	0.35	0.34
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD13	18	0.48	0.35	0.34
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD21	18	0.48	0.35	0.34
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD22	18	0.48	0.35	0.34
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD23	18	0.48	0.35	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,352)	1:407:A:LEU:HD11	1:408:A:PHE:H	18	0.43	0.46	0.2
(1,352)	1:407:A:LEU:HD12	1:408:A:PHE:H	18	0.43	0.46	0.2
(1,352)	1:407:A:LEU:HD13	1:408:A:PHE:H	18	0.43	0.46	0.2
(1,352)	1:407:A:LEU:HD21	1:408:A:PHE:H	18	0.43	0.46	0.2
(1,352)	1:407:A:LEU:HD22	1:408:A:PHE:H	18	0.43	0.46	0.2
(1,352)	1:407:A:LEU:HD23	1:408:A:PHE:H	18	0.43	0.46	0.2
(1,647)	1:407:A:LEU:HD11	1:408:A:PHE:H	18	0.43	0.46	0.2
(1,647)	1:407:A:LEU:HD12	1:408:A:PHE:H	18	0.43	0.46	0.2
(1,647)	1:407:A:LEU:HD13	1:408:A:PHE:H	18	0.43	0.46	0.2
(1,647)	1:407:A:LEU:HD21	1:408:A:PHE:H	18	0.43	0.46	0.2
(1,647)	1:407:A:LEU:HD22	1:408:A:PHE:H	18	0.43	0.46	0.2
(1,647)	1:407:A:LEU:HD23	1:408:A:PHE:H	18	0.43	0.46	0.2
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD11	18	0.4	0.31	0.24
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD12	18	0.4	0.31	0.24
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD13	18	0.4	0.31	0.24
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD21	18	0.4	0.31	0.24
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD22	18	0.4	0.31	0.24
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD23	18	0.4	0.31	0.24
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG11	18	0.4	0.14	0.42
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG12	18	0.4	0.14	0.42
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG13	18	0.4	0.14	0.42
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG11	18	0.4	0.14	0.42
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG12	18	0.4	0.14	0.42
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG13	18	0.4	0.14	0.42
(1,982)	1:437:A:PHE:HB2	1:438:A:ILE:HB	18	0.39	0.11	0.38
(1,643)	1:410:A:TYR:HB2	1:412:A:LEU:HG	18	0.38	0.49	0.25
(1,888)	1:448:A:PHE:HB2	1:449:A:GLY:HA2	18	0.36	0.08	0.39
(1,888)	1:448:A:PHE:HB3	1:449:A:GLY:HA2	18	0.36	0.08	0.39
(1,227)	1:418:A:ASP:H	1:436:A:VAL:HB	18	0.35	0.14	0.34
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	18	0.31	0.34	0.24
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	18	0.31	0.34	0.24
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	18	0.31	0.34	0.24
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	18	0.31	0.34	0.24
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	18	0.31	0.34	0.24
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	18	0.31	0.34	0.24
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	18	0.31	0.22	0.26
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	18	0.31	0.22	0.26
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	18	0.31	0.22	0.26
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	18	0.31	0.22	0.26
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	18	0.31	0.22	0.26
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	18	0.31	0.22	0.26
(1,612)	1:407:A:LEU:HG	1:451:A:VAL:H	18	0.29	0.1	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1105)	1:463:A:ILE:HA	1:478:A:VAL:HB	18	0.29	0.15	0.26
(1,667)	1:473:A:MET:HG2	1:474:A:LYS:HG2	18	0.28	0.06	0.29
(1,456)	1:457:A:VAL:HA	1:460:A:GLN:H	18	0.27	0.09	0.28
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG21	18	0.27	0.2	0.2
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG22	18	0.27	0.2	0.2
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG23	18	0.27	0.2	0.2
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	17	1.26	0.47	1.44
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	17	1.26	0.47	1.44
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	17	1.26	0.47	1.44
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	17	1.26	0.47	1.44
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	17	1.26	0.47	1.44
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	17	1.26	0.47	1.44
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	17	1.23	0.6	1.44
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	17	1.23	0.6	1.44
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	17	1.23	0.6	1.44
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	17	1.23	0.6	1.44
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	17	1.23	0.6	1.44
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	17	1.23	0.6	1.44
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	17	1.23	0.6	1.44
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	17	1.23	0.6	1.44
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	17	1.23	0.6	1.44
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	17	1.23	0.6	1.44
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	17	1.23	0.6	1.44
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	17	1.23	0.6	1.44
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	17	1.23	0.6	1.44
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	17	1.23	0.6	1.44
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	17	1.23	0.6	1.44
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	17	1.23	0.6	1.44
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	17	1.23	0.6	1.44
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	17	1.23	0.6	1.44
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	17	1.15	0.34	1.24
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	17	1.15	0.34	1.24
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	17	1.15	0.34	1.24
(1,577)	1:401:A:GLY:H	1:452:A:SER:HB2	17	1.14	0.66	1.45
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD1	17	1.05	0.55	1.2
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD2	17	1.05	0.55	1.2
(1,1520)	1:434:A:ALA:HA	1:451:A:VAL:HA	17	0.83	0.27	0.86
(1,1082)	1:422:A:LEU:HA	1:425:A:PHE:HB2	17	0.72	0.38	0.85
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG21	17	0.71	0.47	0.66
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG22	17	0.71	0.47	0.66
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG23	17	0.71	0.47	0.66
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG21	17	0.71	0.47	0.66

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG22	17	0.71	0.47	0.66
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG23	17	0.71	0.47	0.66
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG2	17	0.67	0.56	0.6
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG3	17	0.67	0.56	0.6
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	17	0.55	0.34	0.35
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	17	0.55	0.34	0.35
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	17	0.55	0.34	0.35
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	17	0.55	0.34	0.35
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	17	0.55	0.34	0.35
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	17	0.55	0.34	0.35
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	17	0.55	0.34	0.35
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	17	0.55	0.34	0.35
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	17	0.55	0.34	0.35
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	17	0.55	0.34	0.35
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	17	0.55	0.34	0.35
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	17	0.55	0.34	0.35
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	17	0.55	0.34	0.35
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	17	0.55	0.34	0.35
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	17	0.55	0.34	0.35
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	17	0.55	0.34	0.35
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	17	0.55	0.34	0.35
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	17	0.55	0.34	0.35
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	17	0.55	0.34	0.35
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	17	0.55	0.34	0.35
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	17	0.55	0.34	0.35
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	17	0.55	0.34	0.35
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	17	0.55	0.34	0.35
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	17	0.55	0.34	0.35
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	17	0.55	0.34	0.35
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	17	0.55	0.34	0.35
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	17	0.55	0.34	0.35
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	17	0.55	0.34	0.35
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	17	0.55	0.34	0.35
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	17	0.55	0.34	0.35
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	17	0.55	0.34	0.35
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	17	0.55	0.34	0.35
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	17	0.55	0.34	0.35
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	17	0.55	0.34	0.35
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	17	0.55	0.34	0.35
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	17	0.55	0.34	0.35
(1,920)	1:402:A:PRO:HG3	1:455:A:ASN:HB2	17	0.55	0.66	0.24
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	17	0.55	0.43	0.47

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	17	0.55	0.43	0.47
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	17	0.55	0.43	0.47
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	17	0.55	0.43	0.47
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	17	0.55	0.43	0.47
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	17	0.55	0.43	0.47
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	17	0.55	0.43	0.47
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	17	0.55	0.43	0.47
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	17	0.55	0.43	0.47
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	17	0.55	0.43	0.47
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	17	0.55	0.43	0.47
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	17	0.55	0.43	0.47
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG21	17	0.51	0.27	0.42
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG22	17	0.51	0.27	0.42
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG23	17	0.51	0.27	0.42
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG21	17	0.51	0.27	0.42
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG22	17	0.51	0.27	0.42
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG23	17	0.51	0.27	0.42
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB2	17	0.49	0.16	0.48
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB3	17	0.49	0.16	0.48
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB2	17	0.46	0.21	0.38
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB3	17	0.46	0.21	0.38
(1,281)	1:455:A:ASN:HB3	1:459:A:ALA:H	17	0.45	0.31	0.39
(1,828)	1:401:A:GLY:HA2	1:402:A:PRO:HG3	17	0.39	0.11	0.37
(1,210)	1:418:A:ASP:H	1:420:A:ASP:HB2	17	0.38	0.2	0.3
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG11	17	0.33	0.2	0.27
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG12	17	0.33	0.2	0.27
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG13	17	0.33	0.2	0.27
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB1	17	0.31	0.32	0.23
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB2	17	0.31	0.32	0.23
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB3	17	0.31	0.32	0.23
(1,1084)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	17	0.31	0.09	0.33
(1,1227)	1:412:A:LEU:HG	1:413:A:PRO:HG2	17	0.3	0.08	0.32
(1,541)	1:454:A:ASP:H	1:458:A:SER:HB3	17	0.28	0.09	0.27
(1,544)	1:432:A:ILE:HG21	1:454:A:ASP:H	17	0.26	0.09	0.29
(1,544)	1:432:A:ILE:HG22	1:454:A:ASP:H	17	0.26	0.09	0.29
(1,544)	1:432:A:ILE:HG23	1:454:A:ASP:H	17	0.26	0.09	0.29
(1,959)	1:432:A:ILE:HG21	1:454:A:ASP:H	17	0.26	0.09	0.29
(1,959)	1:432:A:ILE:HG22	1:454:A:ASP:H	17	0.26	0.09	0.29
(1,959)	1:432:A:ILE:HG23	1:454:A:ASP:H	17	0.26	0.09	0.29
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB2	17	0.26	0.14	0.21
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB3	17	0.26	0.14	0.21
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG21	17	0.24	0.08	0.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG22	17	0.24	0.08	0.23
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG23	17	0.24	0.08	0.23
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG11	17	0.24	0.1	0.22
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG12	17	0.24	0.1	0.22
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG13	17	0.24	0.1	0.22
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG11	17	0.24	0.1	0.22
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG12	17	0.24	0.1	0.22
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG13	17	0.24	0.1	0.22
(1,460)	1:457:A:VAL:H	1:460:A:GLN:H	17	0.21	0.1	0.18
(1,13)	1:432:A:ILE:H	1:454:A:ASP:H	17	0.19	0.06	0.18
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB1	17	0.15	0.03	0.14
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB2	17	0.15	0.03	0.14
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB3	17	0.15	0.03	0.14
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD1	16	1.41	0.83	1.68
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD2	16	1.41	0.83	1.68
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD1	16	1.41	0.83	1.68
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD2	16	1.41	0.83	1.68
(1,1490)	1:438:A:ILE:HG21	1:443:A:ASN:HA	16	1.37	0.68	1.58
(1,1490)	1:438:A:ILE:HG22	1:443:A:ASN:HA	16	1.37	0.68	1.58
(1,1490)	1:438:A:ILE:HG23	1:443:A:ASN:HA	16	1.37	0.68	1.58
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB1	16	1.25	0.77	1.18
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB2	16	1.25	0.77	1.18
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB3	16	1.25	0.77	1.18
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB1	16	1.25	0.77	1.18
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB2	16	1.25	0.77	1.18
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB3	16	1.25	0.77	1.18
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB1	16	1.25	0.77	1.18
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB2	16	1.25	0.77	1.18
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB3	16	1.25	0.77	1.18
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	16	1.2	0.64	1.2
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	16	1.2	0.64	1.2
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	16	1.2	0.64	1.2
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	16	1.2	0.64	1.2
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	16	1.2	0.64	1.2
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	16	1.2	0.64	1.2
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	16	1.2	0.64	1.2
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	16	1.2	0.64	1.2
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	16	1.2	0.64	1.2
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	16	1.2	0.64	1.2
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	16	1.2	0.64	1.2
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	16	1.2	0.64	1.2
(1,1163)	1:453:A:TYR:HE1	1:459:A:ALA:HA	16	1.16	0.79	0.9

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1163)	1:453:A:TYR:HE2	1:459:A:ALA:HA	16	1.16	0.79	0.9
(1,1598)	1:453:A:TYR:HE1	1:459:A:ALA:HA	16	1.16	0.79	0.9
(1,1598)	1:453:A:TYR:HE2	1:459:A:ALA:HA	16	1.16	0.79	0.9
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB1	16	1.14	0.7	1.08
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB2	16	1.14	0.7	1.08
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB3	16	1.14	0.7	1.08
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB1	16	1.14	0.7	1.08
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB2	16	1.14	0.7	1.08
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB3	16	1.14	0.7	1.08
(1,392)	1:430:A:ASN:H	1:454:A:ASP:H	16	1.08	0.53	1.28
(1,1319)	1:434:A:ALA:HB1	1:451:A:VAL:HA	16	1.0	0.48	1.2
(1,1319)	1:434:A:ALA:HB2	1:451:A:VAL:HA	16	1.0	0.48	1.2
(1,1319)	1:434:A:ALA:HB3	1:451:A:VAL:HA	16	1.0	0.48	1.2
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	16	0.76	0.43	0.74
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	16	0.76	0.43	0.74
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	16	0.76	0.43	0.74
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	16	0.64	0.56	0.38
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	16	0.64	0.56	0.38
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	16	0.64	0.56	0.38
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	16	0.64	0.56	0.38
(1,187)	1:460:A:GLN:HG2	1:461:A:ALA:H	16	0.62	0.75	0.27
(1,187)	1:460:A:GLN:HG3	1:461:A:ALA:H	16	0.62	0.75	0.27
(1,1348)	1:475:A:ARG:HA	1:475:A:ARG:HD2	16	0.61	0.28	0.66
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	16	0.54	0.23	0.61
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	16	0.54	0.23	0.61
(1,638)	1:413:A:PRO:HD2	1:476:A:LEU:HG	16	0.52	0.27	0.5
(1,638)	1:413:A:PRO:HD3	1:476:A:LEU:HG	16	0.52	0.27	0.5
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG21	16	0.48	0.21	0.4
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG22	16	0.48	0.21	0.4
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG23	16	0.48	0.21	0.4
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	16	0.45	0.4	0.4
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	16	0.45	0.4	0.4
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	16	0.45	0.4	0.4
(1,181)	1:418:A:ASP:HB2	1:422:A:LEU:H	16	0.45	0.35	0.38
(1,546)	1:404:A:GLY:H	1:406:A:ASN:HD22	16	0.43	0.37	0.22
(1,105)	1:408:A:PHE:HB3	1:479:A:GLN:H	16	0.31	0.11	0.28
(1,877)	1:408:A:PHE:HB2	1:479:A:GLN:H	16	0.29	0.07	0.29
(1,877)	1:408:A:PHE:HB3	1:479:A:GLN:H	16	0.29	0.07	0.29
(1,1404)	1:420:A:ASP:HB2	1:423:A:GLN:HA	16	0.29	0.14	0.25
(1,287)	1:436:A:VAL:HA	1:450:A:PHE:H	16	0.28	0.11	0.25
(1,186)	1:459:A:ALA:HA	1:461:A:ALA:H	16	0.27	0.21	0.22
(1,1161)	1:459:A:ALA:HA	1:461:A:ALA:H	16	0.27	0.21	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,510)	1:453:A:TYR:HB2	1:455:A:ASN:H	16	0.24	0.05	0.26
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	16	0.23	0.1	0.21
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	16	0.23	0.1	0.21
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	16	0.23	0.1	0.21
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	16	0.23	0.1	0.21
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	16	0.23	0.1	0.21
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	16	0.23	0.1	0.21
(1,443)	1:417:A:GLY:H	1:421:A:ILE:H	16	0.22	0.05	0.2
(1,530)	1:417:A:GLY:H	1:421:A:ILE:H	16	0.22	0.05	0.2
(1,263)	1:408:A:PHE:HD1	1:409:A:ILE:H	16	0.21	0.07	0.2
(1,263)	1:408:A:PHE:HD2	1:409:A:ILE:H	16	0.21	0.07	0.2
(1,1190)	1:481:A:LYS:HD3	1:482:A:ARG:HB3	16	0.2	0.05	0.22
(1,212)	1:462:A:ALA:H	1:464:A:GLN:H	16	0.2	0.08	0.18
(1,367)	1:468:A:GLY:H	1:469:A:PHE:HB2	16	0.19	0.05	0.18
(1,668)	1:473:A:MET:HG2	1:474:A:LYS:HG3	16	0.18	0.03	0.18
(1,418)	1:440:A:LYS:HG2	1:441:A:GLN:H	16	0.16	0.05	0.16
(1,418)	1:440:A:LYS:HG3	1:441:A:GLN:H	16	0.16	0.05	0.16
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE1	16	0.16	0.03	0.15
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE2	16	0.16	0.03	0.15
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	16	0.16	0.03	0.15
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	16	0.16	0.03	0.15
(1,1185)	1:411:A:HIS:HA	1:412:A:LEU:HA	16	0.14	0.04	0.13
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB1	15	1.57	0.62	1.53
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB2	15	1.57	0.62	1.53
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB3	15	1.57	0.62	1.53
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	15	1.28	0.75	1.72
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	15	1.28	0.75	1.72
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	15	1.28	0.75	1.72
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	15	1.28	0.75	1.72
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	15	1.28	0.75	1.72
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	15	1.28	0.75	1.72
(1,294)	1:409:A:ILE:HD11	1:450:A:PHE:H	15	0.92	0.48	1.02
(1,294)	1:409:A:ILE:HD12	1:450:A:PHE:H	15	0.92	0.48	1.02
(1,294)	1:409:A:ILE:HD13	1:450:A:PHE:H	15	0.92	0.48	1.02
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD11	15	0.83	0.29	0.9
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD12	15	0.83	0.29	0.9
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD13	15	0.83	0.29	0.9
(1,214)	1:459:A:ALA:HA	1:462:A:ALA:H	15	0.8	0.58	0.66
(1,1160)	1:459:A:ALA:HA	1:462:A:ALA:H	15	0.8	0.58	0.66
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD11	15	0.73	0.75	0.26
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD12	15	0.73	0.75	0.26
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD13	15	0.73	0.75	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD21	15	0.73	0.75	0.26
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD22	15	0.73	0.75	0.26
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD23	15	0.73	0.75	0.26
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD11	15	0.73	0.75	0.26
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD12	15	0.73	0.75	0.26
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD13	15	0.73	0.75	0.26
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD21	15	0.73	0.75	0.26
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD22	15	0.73	0.75	0.26
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD23	15	0.73	0.75	0.26
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD11	15	0.73	0.75	0.26
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD12	15	0.73	0.75	0.26
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD13	15	0.73	0.75	0.26
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD21	15	0.73	0.75	0.26
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD22	15	0.73	0.75	0.26
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD23	15	0.73	0.75	0.26
(1,649)	1:407:A:LEU:HD11	1:479:A:GLN:HA	15	0.71	0.29	0.68
(1,649)	1:407:A:LEU:HD12	1:479:A:GLN:HA	15	0.71	0.29	0.68
(1,649)	1:407:A:LEU:HD13	1:479:A:GLN:HA	15	0.71	0.29	0.68
(1,649)	1:407:A:LEU:HD21	1:479:A:GLN:HA	15	0.71	0.29	0.68
(1,649)	1:407:A:LEU:HD22	1:479:A:GLN:HA	15	0.71	0.29	0.68
(1,649)	1:407:A:LEU:HD23	1:479:A:GLN:HA	15	0.71	0.29	0.68
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD1	15	0.69	0.52	0.89
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD2	15	0.69	0.52	0.89
(1,641)	1:466:A:MET:HB2	1:476:A:LEU:HG	15	0.65	0.63	0.22
(1,641)	1:466:A:MET:HB3	1:476:A:LEU:HG	15	0.65	0.63	0.22
(1,363)	1:407:A:LEU:HD11	1:463:A:ILE:H	15	0.64	0.39	0.63
(1,363)	1:407:A:LEU:HD12	1:463:A:ILE:H	15	0.64	0.39	0.63
(1,363)	1:407:A:LEU:HD13	1:463:A:ILE:H	15	0.64	0.39	0.63
(1,363)	1:407:A:LEU:HD21	1:463:A:ILE:H	15	0.64	0.39	0.63
(1,363)	1:407:A:LEU:HD22	1:463:A:ILE:H	15	0.64	0.39	0.63
(1,363)	1:407:A:LEU:HD23	1:463:A:ILE:H	15	0.64	0.39	0.63
(1,42)	1:439:A:ASP:H	1:444:A:LEU:HG	15	0.46	0.38	0.28
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD11	15	0.42	0.18	0.36
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD12	15	0.42	0.18	0.36
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD13	15	0.42	0.18	0.36
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD11	15	0.38	0.17	0.34
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD12	15	0.38	0.17	0.34
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD13	15	0.38	0.17	0.34
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	15	0.37	0.53	0.2
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	15	0.37	0.53	0.2
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	15	0.37	0.53	0.2
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	15	0.37	0.53	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	15	0.37	0.53	0.2
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	15	0.37	0.53	0.2
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	15	0.37	0.53	0.2
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	15	0.37	0.53	0.2
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	15	0.37	0.53	0.2
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB1	15	0.35	0.11	0.37
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB2	15	0.35	0.11	0.37
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB3	15	0.35	0.11	0.37
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB1	15	0.34	0.32	0.25
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB2	15	0.34	0.32	0.25
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB3	15	0.34	0.32	0.25
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB1	15	0.34	0.32	0.25
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB2	15	0.34	0.32	0.25
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB3	15	0.34	0.32	0.25
(1,1179)	1:463:A:ILE:HD11	1:479:A:GLN:HA	15	0.31	0.21	0.27
(1,1179)	1:463:A:ILE:HD12	1:479:A:GLN:HA	15	0.31	0.21	0.27
(1,1179)	1:463:A:ILE:HD13	1:479:A:GLN:HA	15	0.31	0.21	0.27
(1,596)	1:441:A:GLN:HG3	1:442:A:THR:H	15	0.28	0.3	0.17
(1,664)	1:471:A:ILE:HG21	1:474:A:LYS:HG3	15	0.28	0.08	0.28
(1,664)	1:471:A:ILE:HG22	1:474:A:LYS:HG3	15	0.28	0.08	0.28
(1,664)	1:471:A:ILE:HG23	1:474:A:LYS:HG3	15	0.28	0.08	0.28
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB1	15	0.26	0.17	0.19
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB2	15	0.26	0.17	0.19
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB3	15	0.26	0.17	0.19
(1,1147)	1:424:A:MET:HG2	1:425:A:PHE:H	15	0.26	0.11	0.29
(1,1147)	1:424:A:MET:HG3	1:425:A:PHE:H	15	0.26	0.11	0.29
(1,1493)	1:455:A:ASN:HB3	1:457:A:VAL:HB	15	0.26	0.07	0.29
(1,434)	1:416:A:PHE:HB3	1:421:A:ILE:H	15	0.24	0.09	0.23
(1,581)	1:401:A:GLY:H	1:452:A:SER:HB3	15	0.22	0.08	0.21
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG11	15	0.21	0.07	0.2
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG12	15	0.21	0.07	0.2
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG13	15	0.21	0.07	0.2
(1,884)	1:433:A:SER:HB2	1:452:A:SER:H	15	0.2	0.07	0.2
(1,983)	1:430:A:ASN:HB2	1:431:A:VAL:HA	15	0.2	0.04	0.19
(1,983)	1:430:A:ASN:HB3	1:431:A:VAL:HA	15	0.2	0.04	0.19
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE1	15	0.19	0.07	0.17
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE2	15	0.19	0.07	0.17
(1,422)	1:464:A:GLN:HG2	1:465:A:ALA:H	15	0.19	0.02	0.2
(1,422)	1:464:A:GLN:HG3	1:465:A:ALA:H	15	0.19	0.02	0.2
(1,1119)	1:464:A:GLN:HG2	1:465:A:ALA:H	15	0.19	0.02	0.2
(1,1119)	1:464:A:GLN:HG3	1:465:A:ALA:H	15	0.19	0.02	0.2
(1,1133)	1:407:A:LEU:H	1:452:A:SER:HA	15	0.19	0.06	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD1	15	0.18	0.06	0.16
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD2	15	0.18	0.06	0.16
(1,390)	1:430:A:ASN:H	1:431:A:VAL:H	15	0.17	0.08	0.14
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	14	1.8	0.16	1.75
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	14	1.8	0.16	1.75
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	14	1.8	0.16	1.75
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	14	1.8	0.16	1.75
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	14	1.8	0.16	1.75
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	14	1.8	0.16	1.75
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	14	1.8	0.16	1.75
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	14	1.8	0.16	1.75
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	14	1.8	0.16	1.75
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	14	1.8	0.16	1.75
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	14	1.8	0.16	1.75
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	14	1.8	0.16	1.75
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	14	1.8	0.16	1.75
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	14	1.8	0.16	1.75
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	14	1.8	0.16	1.75
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	14	1.8	0.16	1.75
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	14	1.8	0.16	1.75
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	14	1.8	0.16	1.75
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	14	1.8	0.16	1.75
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	14	1.8	0.16	1.75
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	14	1.8	0.16	1.75
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	14	1.8	0.16	1.75
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	14	1.8	0.16	1.75
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	14	1.8	0.16	1.75
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	14	1.8	0.16	1.75
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	14	1.8	0.16	1.75
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	14	1.8	0.16	1.75
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	14	1.8	0.16	1.75
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	14	1.8	0.16	1.75
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	14	1.8	0.16	1.75
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	14	1.8	0.16	1.75
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	14	1.8	0.16	1.75
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	14	1.8	0.16	1.75
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	14	1.8	0.16	1.75
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	14	1.8	0.16	1.75
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	14	1.8	0.16	1.75
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	14	1.68	0.37	1.78
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	14	1.68	0.37	1.78
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	14	1.68	0.37	1.78

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	14	1.68	0.37	1.78
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	14	1.68	0.37	1.78
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	14	1.68	0.37	1.78
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	14	1.68	0.37	1.78
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	14	1.68	0.37	1.78
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	14	1.68	0.37	1.78
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	14	1.68	0.37	1.78
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	14	1.68	0.37	1.78
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	14	1.68	0.37	1.78
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	14	1.68	0.37	1.78
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	14	1.68	0.37	1.78
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	14	1.68	0.37	1.78
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	14	1.68	0.37	1.78
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	14	1.68	0.37	1.78
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	14	1.68	0.37	1.78
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	14	1.68	0.37	1.78
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	14	1.68	0.37	1.78
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	14	1.68	0.37	1.78
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	14	1.68	0.37	1.78
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	14	1.68	0.37	1.78
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	14	1.68	0.37	1.78
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	14	1.5	0.14	1.46
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	14	1.5	0.14	1.46
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	14	1.5	0.14	1.46
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	14	1.5	0.14	1.46
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	14	1.5	0.14	1.46
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	14	1.5	0.14	1.46
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	14	1.5	0.14	1.46
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	14	1.5	0.14	1.46
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	14	1.5	0.14	1.46
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	14	1.5	0.14	1.46
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	14	1.5	0.14	1.46
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	14	1.5	0.14	1.46
(1,987)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	14	1.04	0.49	1.12
(1,987)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	14	1.04	0.49	1.12
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD1	14	0.85	0.48	1.02
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD2	14	0.85	0.48	1.02
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD11	14	0.84	0.41	1.01
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD12	14	0.84	0.41	1.01
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD13	14	0.84	0.41	1.01
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD21	14	0.84	0.41	1.01
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD22	14	0.84	0.41	1.01

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD23	14	0.84	0.41	1.01
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	14	0.72	0.46	0.74
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	14	0.72	0.46	0.74
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	14	0.72	0.46	0.74
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	14	0.72	0.46	0.74
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	14	0.72	0.46	0.74
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	14	0.72	0.46	0.74
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	14	0.45	0.42	0.22
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	14	0.45	0.42	0.22
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	14	0.45	0.42	0.22
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	14	0.45	0.42	0.22
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	14	0.45	0.42	0.22
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	14	0.45	0.42	0.22
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	14	0.45	0.42	0.22
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	14	0.45	0.42	0.22
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	14	0.45	0.42	0.22
(1,593)	1:421:A:ILE:HD11	1:449:A:GLY:H	14	0.41	0.21	0.4
(1,593)	1:421:A:ILE:HD12	1:449:A:GLY:H	14	0.41	0.21	0.4
(1,593)	1:421:A:ILE:HD13	1:449:A:GLY:H	14	0.41	0.21	0.4
(1,523)	1:431:A:VAL:HG21	1:433:A:SER:H	14	0.38	0.55	0.2
(1,523)	1:431:A:VAL:HG22	1:433:A:SER:H	14	0.38	0.55	0.2
(1,523)	1:431:A:VAL:HG23	1:433:A:SER:H	14	0.38	0.55	0.2
(1,107)	1:410:A:TYR:H	1:477:A:LYS:H	14	0.32	0.28	0.2
(1,297)	1:405:A:ALA:H	1:406:A:ASN:HB3	14	0.28	0.09	0.26
(1,1116)	1:432:A:ILE:H	1:453:A:TYR:HA	14	0.26	0.08	0.24
(1,501)	1:467:A:ASN:H	1:467:A:ASN:HD21	14	0.26	0.14	0.24
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD1	14	0.25	0.08	0.22
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD2	14	0.25	0.08	0.22
(1,580)	1:401:A:GLY:H	1:406:A:ASN:HD21	14	0.25	0.06	0.24
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	14	0.24	0.09	0.23
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	14	0.24	0.09	0.23
(1,1089)	1:419:A:GLN:HA	1:422:A:LEU:HB3	14	0.24	0.13	0.21
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG11	14	0.21	0.14	0.16
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG12	14	0.21	0.14	0.16
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG13	14	0.21	0.14	0.16
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG11	14	0.2	0.04	0.2
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG12	14	0.2	0.04	0.2
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG13	14	0.2	0.04	0.2
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG21	14	0.2	0.04	0.2
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG22	14	0.2	0.04	0.2
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG23	14	0.2	0.04	0.2
(1,1393)	1:432:A:ILE:HG21	1:433:A:SER:HB2	14	0.2	0.06	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1393)	1:432:A:ILE:HG22	1:433:A:SER:HB2	14	0.2	0.06	0.18
(1,1393)	1:432:A:ILE:HG23	1:433:A:SER:HB2	14	0.2	0.06	0.18
(1,517)	1:430:A:ASN:HD22	1:431:A:VAL:H	14	0.2	0.06	0.2
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD11	14	0.19	0.05	0.2
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD12	14	0.19	0.05	0.2
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD13	14	0.19	0.05	0.2
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD11	14	0.19	0.05	0.2
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD12	14	0.19	0.05	0.2
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD13	14	0.19	0.05	0.2
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD11	14	0.17	0.04	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD12	14	0.17	0.04	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD13	14	0.17	0.04	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD21	14	0.17	0.04	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD22	14	0.17	0.04	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD23	14	0.17	0.04	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD11	14	0.17	0.04	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD12	14	0.17	0.04	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD13	14	0.17	0.04	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD21	14	0.17	0.04	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD22	14	0.17	0.04	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD23	14	0.17	0.04	0.19
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD11	14	0.16	0.04	0.15
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD12	14	0.16	0.04	0.15
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD13	14	0.16	0.04	0.15
(1,161)	1:480:A:LEU:H	1:481:A:LYS:H	14	0.14	0.02	0.14
(1,508)	1:453:A:TYR:HD1	1:455:A:ASN:H	13	1.37	1.0	1.76
(1,508)	1:453:A:TYR:HD2	1:455:A:ASN:H	13	1.37	1.0	1.76
(1,770)	1:457:A:VAL:HG11	1:458:A:SER:HB3	13	0.89	0.49	1.09
(1,770)	1:457:A:VAL:HG12	1:458:A:SER:HB3	13	0.89	0.49	1.09
(1,770)	1:457:A:VAL:HG13	1:458:A:SER:HB3	13	0.89	0.49	1.09
(1,770)	1:457:A:VAL:HG21	1:458:A:SER:HB3	13	0.89	0.49	1.09
(1,770)	1:457:A:VAL:HG22	1:458:A:SER:HB3	13	0.89	0.49	1.09
(1,770)	1:457:A:VAL:HG23	1:458:A:SER:HB3	13	0.89	0.49	1.09
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	13	0.87	0.73	0.38
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	13	0.87	0.73	0.38
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	13	0.87	0.73	0.38
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	13	0.87	0.73	0.38
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	13	0.87	0.73	0.38
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	13	0.87	0.73	0.38
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD2	13	0.53	0.35	0.4
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD3	13	0.53	0.35	0.4
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD2	13	0.53	0.35	0.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD3	13	0.53	0.35	0.4
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD2	13	0.53	0.35	0.4
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD3	13	0.53	0.35	0.4
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD11	13	0.48	0.26	0.42
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD12	13	0.48	0.26	0.42
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD13	13	0.48	0.26	0.42
(1,750)	1:436:A:VAL:HG21	1:450:A:PHE:H	13	0.45	0.29	0.37
(1,750)	1:436:A:VAL:HG22	1:450:A:PHE:H	13	0.45	0.29	0.37
(1,750)	1:436:A:VAL:HG23	1:450:A:PHE:H	13	0.45	0.29	0.37
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD11	13	0.41	0.44	0.25
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD12	13	0.41	0.44	0.25
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD13	13	0.41	0.44	0.25
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD11	13	0.41	0.44	0.25
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD12	13	0.41	0.44	0.25
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD13	13	0.41	0.44	0.25
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD11	13	0.41	0.44	0.25
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD12	13	0.41	0.44	0.25
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD13	13	0.41	0.44	0.25
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD11	13	0.41	0.44	0.25
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD12	13	0.41	0.44	0.25
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD13	13	0.41	0.44	0.25
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD11	13	0.41	0.44	0.25
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD12	13	0.41	0.44	0.25
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD13	13	0.41	0.44	0.25
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD11	13	0.41	0.44	0.25
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD12	13	0.41	0.44	0.25
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD13	13	0.41	0.44	0.25
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD11	13	0.35	0.32	0.21
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD12	13	0.35	0.32	0.21
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD13	13	0.35	0.32	0.21
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	13	0.35	0.5	0.21
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	13	0.35	0.5	0.21
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	13	0.35	0.5	0.21
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	13	0.35	0.5	0.21
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	13	0.35	0.5	0.21
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	13	0.35	0.5	0.21
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	13	0.35	0.5	0.21
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	13	0.35	0.5	0.21
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	13	0.35	0.5	0.21
(1,852)	1:405:A:ALA:HB1	1:455:A:ASN:H	13	0.33	0.2	0.27
(1,852)	1:405:A:ALA:HB2	1:455:A:ASN:H	13	0.33	0.2	0.27
(1,852)	1:405:A:ALA:HB3	1:455:A:ASN:H	13	0.33	0.2	0.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG21	13	0.23	0.1	0.21
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG22	13	0.23	0.1	0.21
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG23	13	0.23	0.1	0.21
(1,1452)	1:432:A:ILE:HG21	1:433:A:SER:HA	13	0.22	0.1	0.22
(1,1452)	1:432:A:ILE:HG22	1:433:A:SER:HA	13	0.22	0.1	0.22
(1,1452)	1:432:A:ILE:HG23	1:433:A:SER:HA	13	0.22	0.1	0.22
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG2	13	0.22	0.09	0.2
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG3	13	0.22	0.09	0.2
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG2	13	0.22	0.09	0.2
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG3	13	0.22	0.09	0.2
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG2	13	0.22	0.09	0.2
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG3	13	0.22	0.09	0.2
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG2	13	0.22	0.09	0.2
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG3	13	0.22	0.09	0.2
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG2	13	0.22	0.09	0.2
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG3	13	0.22	0.09	0.2
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG2	13	0.22	0.09	0.2
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG3	13	0.22	0.09	0.2
(1,516)	1:402:A:PRO:HG2	1:455:A:ASN:H	13	0.21	0.06	0.22
(1,863)	1:417:A:GLY:HA3	1:419:A:GLN:H	13	0.2	0.09	0.17
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG21	13	0.2	0.06	0.17
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG22	13	0.2	0.06	0.17
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG23	13	0.2	0.06	0.17
(1,635)	1:469:A:PHE:HD1	1:476:A:LEU:HG	13	0.19	0.04	0.19
(1,635)	1:469:A:PHE:HD2	1:476:A:LEU:HG	13	0.19	0.04	0.19
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	13	0.19	0.06	0.2
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	13	0.19	0.06	0.2
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	13	0.19	0.06	0.2
(1,1196)	1:403:A:GLU:HB2	1:404:A:GLY:H	13	0.18	0.05	0.19
(1,323)	1:431:A:VAL:HG21	1:452:A:SER:H	13	0.16	0.05	0.15
(1,323)	1:431:A:VAL:HG22	1:452:A:SER:H	13	0.16	0.05	0.15
(1,323)	1:431:A:VAL:HG23	1:452:A:SER:H	13	0.16	0.05	0.15
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	13	0.16	0.04	0.16
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	13	0.16	0.04	0.16
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	13	0.16	0.04	0.16
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	13	0.16	0.04	0.16
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	13	0.16	0.04	0.16
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	13	0.16	0.04	0.16
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	13	0.16	0.04	0.16
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	13	0.16	0.04	0.16
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	13	0.16	0.04	0.16
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	13	0.16	0.04	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	13	0.16	0.04	0.16
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	13	0.16	0.04	0.16
(1,290)	1:409:A:ILE:HB	1:450:A:PHE:H	13	0.16	0.05	0.14
(1,943)	1:409:A:ILE:HB	1:450:A:PHE:H	13	0.16	0.05	0.14
(1,513)	1:453:A:TYR:HB3	1:455:A:ASN:H	13	0.14	0.04	0.13
(1,879)	1:453:A:TYR:HB3	1:455:A:ASN:H	13	0.14	0.04	0.13
(1,1083)	1:403:A:GLU:HG3	1:404:A:GLY:H	13	0.13	0.02	0.13
(1,365)	1:467:A:ASN:HB2	1:468:A:GLY:H	13	0.13	0.02	0.13
(1,999)	1:467:A:ASN:HB2	1:468:A:GLY:H	13	0.13	0.02	0.13
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD1	12	1.31	1.0	1.07
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD2	12	1.31	1.0	1.07
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD1	12	1.31	1.0	1.07
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD2	12	1.31	1.0	1.07
(1,642)	1:439:A:ASP:HB3	1:444:A:LEU:HG	12	1.19	0.97	1.02
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB1	12	0.93	0.7	0.5
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB2	12	0.93	0.7	0.5
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB3	12	0.93	0.7	0.5
(1,278)	1:453:A:TYR:HD1	1:459:A:ALA:H	12	0.87	0.34	0.78
(1,278)	1:453:A:TYR:HD2	1:459:A:ALA:H	12	0.87	0.34	0.78
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG21	12	0.71	0.44	0.68
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG22	12	0.71	0.44	0.68
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG23	12	0.71	0.44	0.68
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG21	12	0.71	0.44	0.68
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG22	12	0.71	0.44	0.68
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG23	12	0.71	0.44	0.68
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG21	12	0.71	0.44	0.68
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG22	12	0.71	0.44	0.68
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG23	12	0.71	0.44	0.68
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE1	12	0.68	0.68	0.34
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE2	12	0.68	0.68	0.34
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	12	0.68	0.68	0.34
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	12	0.68	0.68	0.34
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG21	12	0.62	0.49	0.43
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG22	12	0.62	0.49	0.43
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG23	12	0.62	0.49	0.43
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG21	12	0.62	0.49	0.43
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG22	12	0.62	0.49	0.43
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG23	12	0.62	0.49	0.43
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	12	0.61	0.41	0.54
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	12	0.61	0.41	0.54
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	12	0.61	0.41	0.54
(1,768)	1:457:A:VAL:HG11	1:458:A:SER:HB2	12	0.48	0.35	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,768)	1:457:A:VAL:HG12	1:458:A:SER:HB2	12	0.48	0.35	0.34
(1,768)	1:457:A:VAL:HG13	1:458:A:SER:HB2	12	0.48	0.35	0.34
(1,768)	1:457:A:VAL:HG21	1:458:A:SER:HB2	12	0.48	0.35	0.34
(1,768)	1:457:A:VAL:HG22	1:458:A:SER:HB2	12	0.48	0.35	0.34
(1,768)	1:457:A:VAL:HG23	1:458:A:SER:HB2	12	0.48	0.35	0.34
(1,379)	1:442:A:THR:HB	1:444:A:LEU:H	12	0.45	0.37	0.35
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB1	12	0.43	0.23	0.39
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB2	12	0.43	0.23	0.39
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB3	12	0.43	0.23	0.39
(1,381)	1:439:A:ASP:HB2	1:444:A:LEU:H	12	0.42	0.46	0.2
(1,209)	1:418:A:ASP:H	1:420:A:ASP:HB3	12	0.41	0.33	0.29
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD1	12	0.3	0.08	0.29
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD2	12	0.3	0.08	0.29
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB1	12	0.28	0.13	0.25
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB2	12	0.28	0.13	0.25
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB3	12	0.28	0.13	0.25
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB1	12	0.28	0.13	0.25
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB2	12	0.28	0.13	0.25
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB3	12	0.28	0.13	0.25
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	12	0.26	0.12	0.23
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	12	0.26	0.12	0.23
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	12	0.26	0.12	0.23
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	12	0.26	0.12	0.23
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	12	0.26	0.12	0.23
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	12	0.26	0.12	0.23
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	12	0.25	0.1	0.24
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	12	0.25	0.1	0.24
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	12	0.25	0.1	0.24
(1,901)	1:462:A:ALA:HB1	1:465:A:ALA:H	12	0.23	0.04	0.24
(1,901)	1:462:A:ALA:HB2	1:465:A:ALA:H	12	0.23	0.04	0.24
(1,901)	1:462:A:ALA:HB3	1:465:A:ALA:H	12	0.23	0.04	0.24
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	12	0.23	0.11	0.22
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	12	0.23	0.11	0.22
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	12	0.23	0.11	0.22
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	12	0.23	0.11	0.22
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	12	0.23	0.11	0.22
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	12	0.23	0.11	0.22
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	12	0.23	0.11	0.22
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	12	0.23	0.11	0.22
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	12	0.23	0.11	0.22
(1,49)	1:439:A:ASP:H	1:444:A:LEU:HB3	12	0.23	0.09	0.21
(1,1085)	1:403:A:GLU:HG2	1:404:A:GLY:H	12	0.22	0.07	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG11	12	0.21	0.07	0.2
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG12	12	0.21	0.07	0.2
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG13	12	0.21	0.07	0.2
(1,497)	1:454:A:ASP:HB3	1:455:A:ASN:HD22	12	0.2	0.05	0.19
(1,104)	1:408:A:PHE:HB2	1:479:A:GLN:H	12	0.19	0.04	0.2
(1,1356)	1:482:A:ARG:HD2	1:483:A:SER:HA	12	0.19	0.06	0.18
(1,1356)	1:482:A:ARG:HD3	1:483:A:SER:HA	12	0.19	0.06	0.18
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG11	12	0.18	0.08	0.16
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG12	12	0.18	0.08	0.16
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG13	12	0.18	0.08	0.16
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	12	0.18	0.05	0.18
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	12	0.18	0.05	0.18
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	12	0.18	0.05	0.18
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	12	0.18	0.05	0.18
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	12	0.18	0.05	0.18
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	12	0.18	0.05	0.18
(1,185)	1:461:A:ALA:H	1:463:A:ILE:H	12	0.17	0.05	0.16
(1,356)	1:461:A:ALA:H	1:463:A:ILE:H	12	0.17	0.05	0.16
(1,336)	1:464:A:GLN:HB2	1:467:A:ASN:H	12	0.16	0.04	0.15
(1,336)	1:464:A:GLN:HB3	1:467:A:ASN:H	12	0.16	0.04	0.15
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE2	11	1.54	0.55	1.66
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE3	11	1.54	0.55	1.66
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE2	11	1.54	0.55	1.66
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE3	11	1.54	0.55	1.66
(1,1081)	1:422:A:LEU:HD11	1:423:A:GLN:HA	11	1.51	0.83	1.9
(1,1081)	1:422:A:LEU:HD12	1:423:A:GLN:HA	11	1.51	0.83	1.9
(1,1081)	1:422:A:LEU:HD13	1:423:A:GLN:HA	11	1.51	0.83	1.9
(1,1081)	1:422:A:LEU:HD21	1:423:A:GLN:HA	11	1.51	0.83	1.9
(1,1081)	1:422:A:LEU:HD22	1:423:A:GLN:HA	11	1.51	0.83	1.9
(1,1081)	1:422:A:LEU:HD23	1:423:A:GLN:HA	11	1.51	0.83	1.9
(1,891)	1:439:A:ASP:HB3	1:444:A:LEU:H	11	1.39	0.52	1.49
(1,117)	1:489:A:PRO:HG2	1:490:A:TYR:H	11	1.3	0.93	1.29
(1,244)	1:399:A:LYS:HD2	1:400:A:GLU:H	11	0.95	0.59	1.13
(1,244)	1:399:A:LYS:HD3	1:400:A:GLU:H	11	0.95	0.59	1.13
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB2	11	0.75	0.27	0.86
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB3	11	0.75	0.27	0.86
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB2	11	0.75	0.27	0.86
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB3	11	0.75	0.27	0.86
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB2	11	0.75	0.27	0.86
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB3	11	0.75	0.27	0.86
(1,1165)	1:407:A:LEU:HG	1:459:A:ALA:HA	11	0.63	0.38	0.69
(1,1243)	1:407:A:LEU:HG	1:459:A:ALA:HA	11	0.63	0.38	0.69

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,595)	1:439:A:ASP:HB3	1:442:A:THR:H	11	0.56	0.56	0.24
(1,1322)	1:436:A:VAL:HG11	1:448:A:PHE:HA	11	0.54	0.39	0.38
(1,1322)	1:436:A:VAL:HG12	1:448:A:PHE:HA	11	0.54	0.39	0.38
(1,1322)	1:436:A:VAL:HG13	1:448:A:PHE:HA	11	0.54	0.39	0.38
(1,62)	1:435:A:LYS:HE2	1:437:A:PHE:H	11	0.52	0.65	0.28
(1,62)	1:435:A:LYS:HE3	1:437:A:PHE:H	11	0.52	0.65	0.28
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	11	0.47	0.63	0.19
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	11	0.47	0.63	0.19
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	11	0.47	0.63	0.19
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	11	0.47	0.63	0.19
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	11	0.47	0.63	0.19
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	11	0.47	0.63	0.19
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	11	0.47	0.63	0.19
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	11	0.47	0.63	0.19
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	11	0.47	0.63	0.19
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	11	0.47	0.63	0.19
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	11	0.47	0.63	0.19
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	11	0.47	0.63	0.19
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	11	0.47	0.63	0.19
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	11	0.47	0.63	0.19
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	11	0.47	0.63	0.19
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	11	0.47	0.63	0.19
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	11	0.47	0.63	0.19
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	11	0.47	0.63	0.19
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	11	0.47	0.63	0.19
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	11	0.47	0.63	0.19
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	11	0.47	0.63	0.19
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	11	0.47	0.63	0.19
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	11	0.47	0.63	0.19
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	11	0.47	0.63	0.19
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	11	0.47	0.63	0.19
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	11	0.47	0.63	0.19
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	11	0.47	0.63	0.19
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	11	0.47	0.63	0.19
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	11	0.47	0.63	0.19
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	11	0.47	0.63	0.19
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	11	0.47	0.63	0.19
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	11	0.47	0.63	0.19
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	11	0.47	0.63	0.19
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	11	0.47	0.63	0.19
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	11	0.47	0.63	0.19
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	11	0.47	0.63	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	11	0.47	0.63	0.19
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	11	0.47	0.63	0.19
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	11	0.47	0.63	0.19
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	11	0.47	0.63	0.19
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	11	0.47	0.63	0.19
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	11	0.47	0.63	0.19
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	11	0.47	0.63	0.19
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	11	0.47	0.63	0.19
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	11	0.47	0.63	0.19
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	11	0.47	0.63	0.19
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	11	0.47	0.63	0.19
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	11	0.47	0.63	0.19
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	11	0.47	0.63	0.19
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	11	0.47	0.63	0.19
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	11	0.47	0.63	0.19
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	11	0.47	0.63	0.19
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	11	0.47	0.63	0.19
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	11	0.47	0.63	0.19
(1,22)	1:423:A:GLN:HA	1:426:A:MET:H	11	0.35	0.35	0.18
(1,1079)	1:423:A:GLN:HA	1:426:A:MET:H	11	0.35	0.35	0.18
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB1	11	0.35	0.23	0.27
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB2	11	0.35	0.23	0.27
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB3	11	0.35	0.23	0.27
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE1	11	0.3	0.12	0.32
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE2	11	0.3	0.12	0.32
(1,35)	1:467:A:ASN:HB2	1:478:A:VAL:H	11	0.29	0.22	0.2
(1,1122)	1:408:A:PHE:HA	1:449:A:GLY:H	11	0.27	0.15	0.21
(1,320)	1:434:A:ALA:HB1	1:452:A:SER:H	11	0.26	0.13	0.21
(1,320)	1:434:A:ALA:HB2	1:452:A:SER:H	11	0.26	0.13	0.21
(1,320)	1:434:A:ALA:HB3	1:452:A:SER:H	11	0.26	0.13	0.21
(1,810)	1:434:A:ALA:HB1	1:452:A:SER:H	11	0.26	0.13	0.21
(1,810)	1:434:A:ALA:HB2	1:452:A:SER:H	11	0.26	0.13	0.21
(1,810)	1:434:A:ALA:HB3	1:452:A:SER:H	11	0.26	0.13	0.21
(1,619)	1:407:A:LEU:HG	1:453:A:TYR:H	11	0.24	0.07	0.24
(1,1405)	1:435:A:LYS:HB2	1:437:A:PHE:HB3	11	0.22	0.08	0.17
(1,1405)	1:435:A:LYS:HB3	1:437:A:PHE:HB3	11	0.22	0.08	0.17
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG21	11	0.21	0.03	0.2
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG22	11	0.21	0.03	0.2
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG23	11	0.21	0.03	0.2
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG21	11	0.21	0.03	0.2
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG22	11	0.21	0.03	0.2
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG23	11	0.21	0.03	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,911)	1:435:A:LYS:HE2	1:436:A:VAL:H	11	0.2	0.09	0.18
(1,911)	1:435:A:LYS:HE3	1:436:A:VAL:H	11	0.2	0.09	0.18
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG21	11	0.2	0.09	0.16
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG22	11	0.2	0.09	0.16
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG23	11	0.2	0.09	0.16
(1,626)	1:401:A:GLY:H	1:402:A:PRO:HD3	11	0.2	0.11	0.14
(1,1092)	1:445:A:SER:HA	1:488:A:LYS:HA	11	0.2	0.08	0.18
(1,912)	1:435:A:LYS:HE2	1:438:A:ILE:H	11	0.19	0.06	0.17
(1,912)	1:435:A:LYS:HE3	1:438:A:ILE:H	11	0.19	0.06	0.17
(1,335)	1:466:A:MET:HG2	1:467:A:ASN:H	11	0.18	0.04	0.19
(1,335)	1:466:A:MET:HG3	1:467:A:ASN:H	11	0.18	0.04	0.19
(1,1150)	1:466:A:MET:HG2	1:467:A:ASN:H	11	0.18	0.04	0.19
(1,1150)	1:466:A:MET:HG3	1:467:A:ASN:H	11	0.18	0.04	0.19
(1,1118)	1:423:A:GLN:HG3	1:424:A:MET:H	11	0.18	0.05	0.18
(1,132)	1:434:A:ALA:HB1	1:451:A:VAL:H	10	0.95	0.76	0.7
(1,132)	1:434:A:ALA:HB2	1:451:A:VAL:H	10	0.95	0.76	0.7
(1,132)	1:434:A:ALA:HB3	1:451:A:VAL:H	10	0.95	0.76	0.7
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB1	10	0.82	0.45	0.88
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB2	10	0.82	0.45	0.88
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB3	10	0.82	0.45	0.88
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB1	10	0.82	0.45	0.88
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB2	10	0.82	0.45	0.88
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB3	10	0.82	0.45	0.88
(1,1237)	1:422:A:LEU:HG	1:423:A:GLN:H	10	0.62	0.45	0.4
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD2	10	0.57	0.38	0.52
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD3	10	0.57	0.38	0.52
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD2	10	0.57	0.38	0.52
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD3	10	0.57	0.38	0.52
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD1	10	0.51	0.49	0.24
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD2	10	0.51	0.49	0.24
(1,407)	1:417:A:GLY:H	1:420:A:ASP:H	10	0.5	0.5	0.22
(1,537)	1:430:A:ASN:HA	1:454:A:ASP:H	10	0.31	0.11	0.3
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD1	10	0.3	0.32	0.2
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD2	10	0.3	0.32	0.2
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD1	10	0.3	0.32	0.2
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD2	10	0.3	0.32	0.2
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD1	10	0.3	0.32	0.2
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD2	10	0.3	0.32	0.2
(1,453)	1:456:A:PRO:HA	1:460:A:GLN:H	10	0.3	0.14	0.25
(1,850)	1:405:A:ALA:HB1	1:406:A:ASN:HD22	10	0.26	0.11	0.24
(1,850)	1:405:A:ALA:HB2	1:406:A:ASN:HD22	10	0.26	0.11	0.24
(1,850)	1:405:A:ALA:HB3	1:406:A:ASN:HD22	10	0.26	0.11	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,594)	1:439:A:ASP:HB2	1:442:A:THR:H	10	0.25	0.11	0.24
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD1	10	0.24	0.17	0.2
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD2	10	0.24	0.17	0.2
(1,889)	1:439:A:ASP:HB2	1:444:A:LEU:HB3	10	0.24	0.08	0.22
(1,624)	1:402:A:PRO:HD2	1:403:A:GLU:HB2	10	0.23	0.07	0.24
(1,150)	1:407:A:LEU:H	1:409:A:ILE:H	10	0.23	0.09	0.21
(1,217)	1:462:A:ALA:H	1:463:A:ILE:HB	10	0.23	0.07	0.21
(1,1012)	1:462:A:ALA:H	1:463:A:ILE:HB	10	0.23	0.07	0.21
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG11	10	0.22	0.07	0.21
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG12	10	0.22	0.07	0.21
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG13	10	0.22	0.07	0.21
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	10	0.2	0.12	0.16
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	10	0.2	0.12	0.16
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	10	0.2	0.12	0.16
(1,592)	1:409:A:ILE:HG21	1:449:A:GLY:H	10	0.2	0.07	0.18
(1,592)	1:409:A:ILE:HG22	1:449:A:GLY:H	10	0.2	0.07	0.18
(1,592)	1:409:A:ILE:HG23	1:449:A:GLY:H	10	0.2	0.07	0.18
(1,639)	1:469:A:PHE:HB3	1:476:A:LEU:HG	10	0.2	0.05	0.2
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB1	10	0.19	0.06	0.21
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB2	10	0.19	0.06	0.21
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB3	10	0.19	0.06	0.21
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE1	10	0.18	0.05	0.18
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE2	10	0.18	0.05	0.18
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE3	10	0.18	0.05	0.18
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE1	10	0.18	0.05	0.18
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE2	10	0.18	0.05	0.18
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE3	10	0.18	0.05	0.18
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE1	10	0.18	0.04	0.18
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE2	10	0.18	0.04	0.18
(1,30)	1:440:A:LYS:H	1:441:A:GLN:HG3	10	0.18	0.03	0.16
(1,433)	1:463:A:ILE:HD11	1:464:A:GLN:H	10	0.17	0.04	0.16
(1,433)	1:463:A:ILE:HD12	1:464:A:GLN:H	10	0.17	0.04	0.16
(1,433)	1:463:A:ILE:HD13	1:464:A:GLN:H	10	0.17	0.04	0.16
(1,1035)	1:463:A:ILE:HD11	1:464:A:GLN:H	10	0.17	0.04	0.16
(1,1035)	1:463:A:ILE:HD12	1:464:A:GLN:H	10	0.17	0.04	0.16
(1,1035)	1:463:A:ILE:HD13	1:464:A:GLN:H	10	0.17	0.04	0.16
(1,484)	1:404:A:GLY:HA3	1:406:A:ASN:H	10	0.16	0.03	0.16
(1,1406)	1:435:A:LYS:HB2	1:437:A:PHE:HB2	10	0.15	0.04	0.15
(1,1406)	1:435:A:LYS:HB3	1:437:A:PHE:HB2	10	0.15	0.04	0.15
(1,1315)	1:429:A:GLY:HA3	1:430:A:ASN:HA	10	0.15	0.03	0.14
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB1	10	0.14	0.03	0.12
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB2	10	0.14	0.03	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB3	10	0.14	0.03	0.12
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB1	10	0.14	0.03	0.12
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB2	10	0.14	0.03	0.12
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB3	10	0.14	0.03	0.12
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB1	10	0.14	0.03	0.12
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB2	10	0.14	0.03	0.12
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB3	10	0.14	0.03	0.12
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD11	9	1.16	0.5	1.32
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD12	9	1.16	0.5	1.32
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD13	9	1.16	0.5	1.32
(1,533)	1:417:A:GLY:H	1:420:A:ASP:HB3	9	0.96	1.06	0.57
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD11	9	0.45	0.16	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD12	9	0.45	0.16	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD13	9	0.45	0.16	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD21	9	0.45	0.16	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD22	9	0.45	0.16	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD23	9	0.45	0.16	0.46
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB1	9	0.38	0.32	0.22
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB2	9	0.38	0.32	0.22
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB3	9	0.38	0.32	0.22
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB1	9	0.38	0.32	0.22
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB2	9	0.38	0.32	0.22
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB3	9	0.38	0.32	0.22
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB1	9	0.38	0.32	0.22
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB2	9	0.38	0.32	0.22
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB3	9	0.38	0.32	0.22
(1,976)	1:438:A:ILE:HG21	1:443:A:ASN:H	9	0.34	0.25	0.26
(1,976)	1:438:A:ILE:HG22	1:443:A:ASN:H	9	0.34	0.25	0.26
(1,976)	1:438:A:ILE:HG23	1:443:A:ASN:H	9	0.34	0.25	0.26
(1,298)	1:405:A:ALA:H	1:453:A:TYR:HB3	9	0.32	0.14	0.3
(1,417)	1:439:A:ASP:HB2	1:441:A:GLN:H	9	0.32	0.27	0.21
(1,1174)	1:439:A:ASP:HA	1:442:A:THR:H	9	0.28	0.1	0.27
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG21	9	0.27	0.09	0.27
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG22	9	0.27	0.09	0.27
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG23	9	0.27	0.09	0.27
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD11	9	0.27	0.12	0.26
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD12	9	0.27	0.12	0.26
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD13	9	0.27	0.12	0.26
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD21	9	0.27	0.12	0.26
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD22	9	0.27	0.12	0.26
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD23	9	0.27	0.12	0.26
(1,735)	1:431:A:VAL:HG11	1:451:A:VAL:HB	9	0.26	0.23	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,735)	1:431:A:VAL:HG12	1:451:A:VAL:HB	9	0.26	0.23	0.15
(1,735)	1:431:A:VAL:HG13	1:451:A:VAL:HB	9	0.26	0.23	0.15
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD11	9	0.26	0.21	0.21
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD12	9	0.26	0.21	0.21
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD13	9	0.26	0.21	0.21
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD11	9	0.26	0.21	0.21
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD12	9	0.26	0.21	0.21
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD13	9	0.26	0.21	0.21
(1,490)	1:406:A:ASN:H	1:406:A:ASN:HD21	9	0.26	0.09	0.25
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	9	0.25	0.08	0.29
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	9	0.25	0.08	0.29
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	9	0.25	0.08	0.29
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	9	0.25	0.08	0.29
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	9	0.25	0.08	0.29
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	9	0.25	0.08	0.29
(1,454)	1:458:A:SER:HA	1:460:A:GLN:H	9	0.24	0.06	0.25
(1,1350)	1:474:A:LYS:HD2	1:475:A:ARG:HD3	9	0.21	0.05	0.19
(1,1350)	1:474:A:LYS:HD3	1:475:A:ARG:HD3	9	0.21	0.05	0.19
(1,1477)	1:481:A:LYS:HA	1:481:A:LYS:HE2	9	0.21	0.07	0.22
(1,1477)	1:481:A:LYS:HA	1:481:A:LYS:HE3	9	0.21	0.07	0.22
(1,506)	1:453:A:TYR:H	1:455:A:ASN:H	9	0.2	0.03	0.19
(1,1078)	1:414:A:GLN:HA	1:415:A:GLU:HG2	9	0.19	0.05	0.16
(1,1078)	1:414:A:GLN:HA	1:415:A:GLU:HG3	9	0.19	0.05	0.16
(1,269)	1:455:A:ASN:HD21	1:457:A:VAL:H	9	0.19	0.02	0.18
(1,572)	1:414:A:GLN:HE21	1:472:A:GLY:HA2	9	0.14	0.03	0.15
(1,1376)	1:411:A:HIS:HB2	1:474:A:LYS:HE2	9	0.14	0.03	0.14
(1,1376)	1:411:A:HIS:HB2	1:474:A:LYS:HE3	9	0.14	0.03	0.14
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	9	0.13	0.03	0.12
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	9	0.13	0.03	0.12
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	9	0.13	0.03	0.12
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	9	0.13	0.03	0.12
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	9	0.13	0.03	0.12
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	9	0.13	0.03	0.12
(1,1220)	1:402:A:PRO:HG2	1:456:A:PRO:HD2	9	0.13	0.03	0.12
(1,1456)	1:440:A:LYS:HB2	1:441:A:GLN:HG2	9	0.13	0.02	0.12
(1,1456)	1:440:A:LYS:HB3	1:441:A:GLN:HG2	9	0.13	0.02	0.12
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD11	8	1.06	0.08	1.06
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD12	8	1.06	0.08	1.06
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD13	8	1.06	0.08	1.06
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD21	8	1.06	0.08	1.06
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD22	8	1.06	0.08	1.06
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD23	8	1.06	0.08	1.06

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1588)	1:411:A:HIS:H	1:411:A:HIS:HD2	8	1.02	0.57	1.24
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB1	8	0.97	0.42	1.17
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB2	8	0.97	0.42	1.17
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB3	8	0.97	0.42	1.17
(1,570)	1:419:A:GLN:HE21	1:420:A:ASP:H	8	0.74	0.63	0.58
(1,511)	1:455:A:ASN:H	1:458:A:SER:HB3	8	0.73	0.68	0.27
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG21	8	0.52	0.91	0.2
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG22	8	0.52	0.91	0.2
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG23	8	0.52	0.91	0.2
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG21	8	0.52	0.6	0.26
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG22	8	0.52	0.6	0.26
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG23	8	0.52	0.6	0.26
(1,1288)	1:431:A:VAL:HG11	1:453:A:TYR:HE1	8	0.44	0.4	0.3
(1,1288)	1:431:A:VAL:HG11	1:453:A:TYR:HE2	8	0.44	0.4	0.3
(1,1288)	1:431:A:VAL:HG12	1:453:A:TYR:HE1	8	0.44	0.4	0.3
(1,1288)	1:431:A:VAL:HG12	1:453:A:TYR:HE2	8	0.44	0.4	0.3
(1,1288)	1:431:A:VAL:HG13	1:453:A:TYR:HE1	8	0.44	0.4	0.3
(1,1288)	1:431:A:VAL:HG13	1:453:A:TYR:HE2	8	0.44	0.4	0.3
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	8	0.4	0.45	0.23
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	8	0.4	0.45	0.23
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	8	0.4	0.45	0.23
(1,1347)	1:475:A:ARG:HA	1:475:A:ARG:HD3	8	0.32	0.16	0.31
(1,289)	1:435:A:LYS:HB2	1:450:A:PHE:H	8	0.3	0.08	0.28
(1,289)	1:435:A:LYS:HB3	1:450:A:PHE:H	8	0.3	0.08	0.28
(1,1176)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	8	0.2	0.06	0.2
(1,1176)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	8	0.2	0.06	0.2
(1,1176)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	8	0.2	0.06	0.2
(1,1176)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	8	0.2	0.06	0.2
(1,673)	1:412:A:LEU:HG	1:416:A:PHE:HD1	8	0.2	0.08	0.2
(1,673)	1:412:A:LEU:HG	1:416:A:PHE:HD2	8	0.2	0.08	0.2
(1,1587)	1:412:A:LEU:HG	1:416:A:PHE:HD1	8	0.2	0.08	0.2
(1,1587)	1:412:A:LEU:HG	1:416:A:PHE:HD2	8	0.2	0.08	0.2
(1,72)	1:414:A:GLN:H	1:415:A:GLU:HB3	8	0.19	0.08	0.18
(1,424)	1:443:A:ASN:H	1:444:A:LEU:HB3	8	0.19	0.08	0.19
(1,259)	1:435:A:LYS:H	1:450:A:PHE:HD1	8	0.18	0.04	0.16
(1,259)	1:435:A:LYS:H	1:450:A:PHE:HD2	8	0.18	0.04	0.16
(1,833)	1:449:A:GLY:HA3	1:450:A:PHE:HB2	8	0.17	0.04	0.16
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB1	8	0.17	0.05	0.16
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB2	8	0.17	0.05	0.16
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB3	8	0.17	0.05	0.16
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB1	8	0.17	0.05	0.16
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB2	8	0.17	0.05	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB3	8	0.17	0.05	0.16
(1,1146)	1:438:A:ILE:HA	1:443:A:ASN:HA	8	0.16	0.05	0.15
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD11	7	1.74	0.99	2.21
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD12	7	1.74	0.99	2.21
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD13	7	1.74	0.99	2.21
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD11	7	1.74	0.99	2.21
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD12	7	1.74	0.99	2.21
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD13	7	1.74	0.99	2.21
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD11	7	1.74	0.99	2.21
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD12	7	1.74	0.99	2.21
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD13	7	1.74	0.99	2.21
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD11	7	1.74	0.99	2.21
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD12	7	1.74	0.99	2.21
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD13	7	1.74	0.99	2.21
(1,394)	1:430:A:ASN:H	1:453:A:TYR:HE1	7	1.11	0.3	1.16
(1,394)	1:430:A:ASN:H	1:453:A:TYR:HE2	7	1.11	0.3	1.16
(1,1601)	1:407:A:LEU:HG	1:453:A:TYR:HE1	7	0.51	0.44	0.36
(1,1601)	1:407:A:LEU:HG	1:453:A:TYR:HE2	7	0.51	0.44	0.36
(1,1349)	1:474:A:LYS:HD2	1:475:A:ARG:HD2	7	0.46	0.32	0.3
(1,1349)	1:474:A:LYS:HD3	1:475:A:ARG:HD2	7	0.46	0.32	0.3
(1,942)	1:409:A:ILE:HB	1:449:A:GLY:H	7	0.45	0.34	0.31
(1,1255)	1:463:A:ILE:HD11	1:480:A:LEU:HG	7	0.38	0.45	0.19
(1,1255)	1:463:A:ILE:HD12	1:480:A:LEU:HG	7	0.38	0.45	0.19
(1,1255)	1:463:A:ILE:HD13	1:480:A:LEU:HG	7	0.38	0.45	0.19
(1,168)	1:463:A:ILE:HD11	1:480:A:LEU:H	7	0.35	0.27	0.22
(1,168)	1:463:A:ILE:HD12	1:480:A:LEU:H	7	0.35	0.27	0.22
(1,168)	1:463:A:ILE:HD13	1:480:A:LEU:H	7	0.35	0.27	0.22
(1,1193)	1:406:A:ASN:HA	1:453:A:TYR:H	7	0.33	0.09	0.34
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG11	7	0.32	0.1	0.31
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG12	7	0.32	0.1	0.31
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG13	7	0.32	0.1	0.31
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG11	7	0.32	0.1	0.31
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG12	7	0.32	0.1	0.31
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG13	7	0.32	0.1	0.31
(1,174)	1:398:A:GLN:HG3	1:399:A:LYS:H	7	0.31	0.32	0.19
(1,127)	1:466:A:MET:HA	1:469:A:PHE:H	7	0.3	0.23	0.18
(1,1526)	1:422:A:LEU:HB3	1:423:A:GLN:HB2	7	0.28	0.12	0.32
(1,1526)	1:422:A:LEU:HB3	1:423:A:GLN:HB3	7	0.28	0.12	0.32
(1,725)	1:407:A:LEU:HB3	1:425:A:PHE:HD1	7	0.28	0.03	0.29
(1,725)	1:407:A:LEU:HB3	1:425:A:PHE:HD2	7	0.28	0.03	0.29
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD11	7	0.26	0.2	0.2
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD12	7	0.26	0.2	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD13	7	0.26	0.2	0.2
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD21	7	0.26	0.2	0.2
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD22	7	0.26	0.2	0.2
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD23	7	0.26	0.2	0.2
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD11	7	0.26	0.2	0.2
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD12	7	0.26	0.2	0.2
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD13	7	0.26	0.2	0.2
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD21	7	0.26	0.2	0.2
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD22	7	0.26	0.2	0.2
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD23	7	0.26	0.2	0.2
(1,488)	1:406:A:ASN:H	1:407:A:LEU:HB3	7	0.26	0.07	0.26
(1,144)	1:410:A:TYR:H	1:477:A:LYS:HB2	7	0.26	0.08	0.29
(1,144)	1:410:A:TYR:H	1:477:A:LYS:HB3	7	0.26	0.08	0.29
(1,1504)	1:430:A:ASN:HA	1:453:A:TYR:HD1	7	0.24	0.07	0.26
(1,1504)	1:430:A:ASN:HA	1:453:A:TYR:HD2	7	0.24	0.07	0.26
(1,567)	1:419:A:GLN:HE22	1:423:A:GLN:HB2	7	0.23	0.13	0.15
(1,567)	1:419:A:GLN:HE22	1:423:A:GLN:HB3	7	0.23	0.13	0.15
(1,1554)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	7	0.22	0.06	0.2
(1,1554)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	7	0.22	0.06	0.2
(1,342)	1:467:A:ASN:H	1:478:A:VAL:HB	7	0.21	0.06	0.23
(1,991)	1:409:A:ILE:HD11	1:451:A:VAL:H	7	0.21	0.08	0.17
(1,991)	1:409:A:ILE:HD12	1:451:A:VAL:H	7	0.21	0.08	0.17
(1,991)	1:409:A:ILE:HD13	1:451:A:VAL:H	7	0.21	0.08	0.17
(1,469)	1:424:A:MET:H	1:425:A:PHE:HB3	7	0.2	0.05	0.21
(1,1326)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	7	0.2	0.08	0.17
(1,1326)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	7	0.2	0.08	0.17
(1,1326)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	7	0.2	0.08	0.17
(1,1326)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	7	0.2	0.08	0.17
(1,1326)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	7	0.2	0.08	0.17
(1,1326)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	7	0.2	0.08	0.17
(1,1602)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	7	0.2	0.08	0.17
(1,1602)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	7	0.2	0.08	0.17
(1,1602)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	7	0.2	0.08	0.17
(1,1602)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	7	0.2	0.08	0.17
(1,1602)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	7	0.2	0.08	0.17
(1,1602)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	7	0.2	0.08	0.17
(1,250)	1:451:A:VAL:HG21	1:453:A:TYR:H	7	0.2	0.05	0.21
(1,250)	1:451:A:VAL:HG22	1:453:A:TYR:H	7	0.2	0.05	0.21
(1,250)	1:451:A:VAL:HG23	1:453:A:TYR:H	7	0.2	0.05	0.21
(1,777)	1:451:A:VAL:HG21	1:453:A:TYR:H	7	0.2	0.05	0.21
(1,777)	1:451:A:VAL:HG22	1:453:A:TYR:H	7	0.2	0.05	0.21
(1,777)	1:451:A:VAL:HG23	1:453:A:TYR:H	7	0.2	0.05	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,66)	1:437:A:PHE:H	1:450:A:PHE:HD1	7	0.19	0.08	0.17
(1,66)	1:437:A:PHE:H	1:450:A:PHE:HD2	7	0.19	0.08	0.17
(1,199)	1:436:A:VAL:H	1:437:A:PHE:HD1	7	0.18	0.03	0.18
(1,199)	1:436:A:VAL:H	1:437:A:PHE:HD2	7	0.18	0.03	0.18
(1,564)	1:411:A:HIS:H	1:448:A:PHE:HB2	7	0.18	0.07	0.15
(1,564)	1:411:A:HIS:H	1:448:A:PHE:HB3	7	0.18	0.07	0.15
(1,854)	1:405:A:ALA:HB1	1:406:A:ASN:HD21	7	0.18	0.05	0.17
(1,854)	1:405:A:ALA:HB2	1:406:A:ASN:HD21	7	0.18	0.05	0.17
(1,854)	1:405:A:ALA:HB3	1:406:A:ASN:HD21	7	0.18	0.05	0.17
(1,1544)	1:421:A:ILE:HG21	1:425:A:PHE:HD1	7	0.15	0.06	0.11
(1,1544)	1:421:A:ILE:HG21	1:425:A:PHE:HD2	7	0.15	0.06	0.11
(1,1544)	1:421:A:ILE:HG22	1:425:A:PHE:HD1	7	0.15	0.06	0.11
(1,1544)	1:421:A:ILE:HG22	1:425:A:PHE:HD2	7	0.15	0.06	0.11
(1,1544)	1:421:A:ILE:HG23	1:425:A:PHE:HD1	7	0.15	0.06	0.11
(1,1544)	1:421:A:ILE:HG23	1:425:A:PHE:HD2	7	0.15	0.06	0.11
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG21	7	0.15	0.03	0.13
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG22	7	0.15	0.03	0.13
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG23	7	0.15	0.03	0.13
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG21	7	0.15	0.03	0.13
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG22	7	0.15	0.03	0.13
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG23	7	0.15	0.03	0.13
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG21	7	0.14	0.05	0.12
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG22	7	0.14	0.05	0.12
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG23	7	0.14	0.05	0.12
(1,1213)	1:414:A:GLN:HG2	1:415:A:GLU:HB3	7	0.13	0.02	0.12
(1,620)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	6	0.98	0.57	1.35
(1,620)	1:411:A:HIS:HB2	1:474:A:LYS:HB3	6	0.98	0.57	1.35
(1,1145)	1:474:A:LYS:HA	1:475:A:ARG:HG2	6	0.9	0.69	0.84
(1,1145)	1:474:A:LYS:HA	1:475:A:ARG:HG3	6	0.9	0.69	0.84
(1,736)	1:426:A:MET:H	1:431:A:VAL:HG11	6	0.78	0.7	0.36
(1,736)	1:426:A:MET:H	1:431:A:VAL:HG12	6	0.78	0.7	0.36
(1,736)	1:426:A:MET:H	1:431:A:VAL:HG13	6	0.78	0.7	0.36
(1,691)	1:480:A:LEU:HD11	1:481:A:LYS:HB3	6	0.55	0.48	0.33
(1,691)	1:480:A:LEU:HD12	1:481:A:LYS:HB3	6	0.55	0.48	0.33
(1,691)	1:480:A:LEU:HD13	1:481:A:LYS:HB3	6	0.55	0.48	0.33
(1,691)	1:480:A:LEU:HD21	1:481:A:LYS:HB3	6	0.55	0.48	0.33
(1,691)	1:480:A:LEU:HD22	1:481:A:LYS:HB3	6	0.55	0.48	0.33
(1,691)	1:480:A:LEU:HD23	1:481:A:LYS:HB3	6	0.55	0.48	0.33
(1,918)	1:422:A:LEU:HB3	1:434:A:ALA:HB1	6	0.45	0.39	0.35
(1,918)	1:422:A:LEU:HB3	1:434:A:ALA:HB2	6	0.45	0.39	0.35
(1,918)	1:422:A:LEU:HB3	1:434:A:ALA:HB3	6	0.45	0.39	0.35
(1,400)	1:426:A:MET:HE1	1:430:A:ASN:H	6	0.38	0.15	0.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,400)	1:426:A:MET:HE2	1:430:A:ASN:H	6	0.38	0.15	0.4
(1,400)	1:426:A:MET:HE3	1:430:A:ASN:H	6	0.38	0.15	0.4
(1,483)	1:406:A:ASN:H	1:406:A:ASN:HD22	6	0.33	0.09	0.36
(1,220)	1:407:A:LEU:HD11	1:462:A:ALA:H	6	0.29	0.19	0.22
(1,220)	1:407:A:LEU:HD12	1:462:A:ALA:H	6	0.29	0.19	0.22
(1,220)	1:407:A:LEU:HD13	1:462:A:ALA:H	6	0.29	0.19	0.22
(1,220)	1:407:A:LEU:HD21	1:462:A:ALA:H	6	0.29	0.19	0.22
(1,220)	1:407:A:LEU:HD22	1:462:A:ALA:H	6	0.29	0.19	0.22
(1,220)	1:407:A:LEU:HD23	1:462:A:ALA:H	6	0.29	0.19	0.22
(1,1344)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	6	0.29	0.11	0.23
(1,1344)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	6	0.29	0.11	0.23
(1,1344)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	6	0.29	0.11	0.23
(1,1514)	1:409:A:ILE:HG12	1:478:A:VAL:HG11	6	0.28	0.2	0.2
(1,1514)	1:409:A:ILE:HG12	1:478:A:VAL:HG12	6	0.28	0.2	0.2
(1,1514)	1:409:A:ILE:HG12	1:478:A:VAL:HG13	6	0.28	0.2	0.2
(1,1182)	1:432:A:ILE:HG21	1:454:A:ASP:HA	6	0.27	0.13	0.2
(1,1182)	1:432:A:ILE:HG22	1:454:A:ASP:HA	6	0.27	0.13	0.2
(1,1182)	1:432:A:ILE:HG23	1:454:A:ASP:HA	6	0.27	0.13	0.2
(1,282)	1:407:A:LEU:HD11	1:459:A:ALA:H	6	0.27	0.1	0.26
(1,282)	1:407:A:LEU:HD12	1:459:A:ALA:H	6	0.27	0.1	0.26
(1,282)	1:407:A:LEU:HD13	1:459:A:ALA:H	6	0.27	0.1	0.26
(1,282)	1:407:A:LEU:HD21	1:459:A:ALA:H	6	0.27	0.1	0.26
(1,282)	1:407:A:LEU:HD22	1:459:A:ALA:H	6	0.27	0.1	0.26
(1,282)	1:407:A:LEU:HD23	1:459:A:ALA:H	6	0.27	0.1	0.26
(1,628)	1:402:A:PRO:HD3	1:405:A:ALA:H	6	0.25	0.07	0.25
(1,868)	1:411:A:HIS:HB2	1:475:A:ARG:HD2	6	0.22	0.15	0.14
(1,868)	1:411:A:HIS:HB2	1:475:A:ARG:HD3	6	0.22	0.15	0.14
(1,292)	1:436:A:VAL:HG11	1:450:A:PHE:H	6	0.2	0.05	0.2
(1,292)	1:436:A:VAL:HG12	1:450:A:PHE:H	6	0.2	0.05	0.2
(1,292)	1:436:A:VAL:HG13	1:450:A:PHE:H	6	0.2	0.05	0.2
(1,823)	1:436:A:VAL:HG11	1:450:A:PHE:H	6	0.2	0.05	0.2
(1,823)	1:436:A:VAL:HG12	1:450:A:PHE:H	6	0.2	0.05	0.2
(1,823)	1:436:A:VAL:HG13	1:450:A:PHE:H	6	0.2	0.05	0.2
(1,1336)	1:421:A:ILE:HG13	1:436:A:VAL:HG11	6	0.19	0.06	0.16
(1,1336)	1:421:A:ILE:HG13	1:436:A:VAL:HG12	6	0.19	0.06	0.16
(1,1336)	1:421:A:ILE:HG13	1:436:A:VAL:HG13	6	0.19	0.06	0.16
(1,623)	1:411:A:HIS:HB2	1:475:A:ARG:HG2	6	0.17	0.07	0.16
(1,623)	1:411:A:HIS:HB2	1:475:A:ARG:HG3	6	0.17	0.07	0.16
(1,1353)	1:412:A:LEU:HG	1:417:A:GLY:HA2	6	0.16	0.08	0.13
(1,1006)	1:425:A:PHE:HB3	1:426:A:MET:HE1	6	0.16	0.03	0.15
(1,1006)	1:425:A:PHE:HB3	1:426:A:MET:HE2	6	0.16	0.03	0.15
(1,1006)	1:425:A:PHE:HB3	1:426:A:MET:HE3	6	0.16	0.03	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,604)	1:426:A:MET:HE1	1:429:A:GLY:H	6	0.16	0.03	0.15
(1,604)	1:426:A:MET:HE2	1:429:A:GLY:H	6	0.16	0.03	0.15
(1,604)	1:426:A:MET:HE3	1:429:A:GLY:H	6	0.16	0.03	0.15
(1,742)	1:426:A:MET:HE1	1:429:A:GLY:H	6	0.16	0.03	0.15
(1,742)	1:426:A:MET:HE2	1:429:A:GLY:H	6	0.16	0.03	0.15
(1,742)	1:426:A:MET:HE3	1:429:A:GLY:H	6	0.16	0.03	0.15
(1,197)	1:435:A:LYS:HG3	1:436:A:VAL:H	6	0.16	0.03	0.15
(1,704)	1:412:A:LEU:HD11	1:413:A:PRO:HB2	6	0.15	0.03	0.15
(1,704)	1:412:A:LEU:HD11	1:413:A:PRO:HB3	6	0.15	0.03	0.15
(1,704)	1:412:A:LEU:HD12	1:413:A:PRO:HB2	6	0.15	0.03	0.15
(1,704)	1:412:A:LEU:HD12	1:413:A:PRO:HB3	6	0.15	0.03	0.15
(1,704)	1:412:A:LEU:HD13	1:413:A:PRO:HB2	6	0.15	0.03	0.15
(1,704)	1:412:A:LEU:HD13	1:413:A:PRO:HB3	6	0.15	0.03	0.15
(1,704)	1:412:A:LEU:HD21	1:413:A:PRO:HB2	6	0.15	0.03	0.15
(1,704)	1:412:A:LEU:HD21	1:413:A:PRO:HB3	6	0.15	0.03	0.15
(1,704)	1:412:A:LEU:HD22	1:413:A:PRO:HB2	6	0.15	0.03	0.15
(1,704)	1:412:A:LEU:HD22	1:413:A:PRO:HB3	6	0.15	0.03	0.15
(1,704)	1:412:A:LEU:HD23	1:413:A:PRO:HB2	6	0.15	0.03	0.15
(1,704)	1:412:A:LEU:HD23	1:413:A:PRO:HB3	6	0.15	0.03	0.15
(1,1266)	1:412:A:LEU:HD11	1:413:A:PRO:HB2	6	0.15	0.03	0.15
(1,1266)	1:412:A:LEU:HD11	1:413:A:PRO:HB3	6	0.15	0.03	0.15
(1,1266)	1:412:A:LEU:HD12	1:413:A:PRO:HB2	6	0.15	0.03	0.15
(1,1266)	1:412:A:LEU:HD12	1:413:A:PRO:HB3	6	0.15	0.03	0.15
(1,1266)	1:412:A:LEU:HD13	1:413:A:PRO:HB2	6	0.15	0.03	0.15
(1,1266)	1:412:A:LEU:HD13	1:413:A:PRO:HB3	6	0.15	0.03	0.15
(1,1266)	1:412:A:LEU:HD21	1:413:A:PRO:HB2	6	0.15	0.03	0.15
(1,1266)	1:412:A:LEU:HD21	1:413:A:PRO:HB3	6	0.15	0.03	0.15
(1,1266)	1:412:A:LEU:HD22	1:413:A:PRO:HB2	6	0.15	0.03	0.15
(1,1266)	1:412:A:LEU:HD22	1:413:A:PRO:HB3	6	0.15	0.03	0.15
(1,1266)	1:412:A:LEU:HD23	1:413:A:PRO:HB2	6	0.15	0.03	0.15
(1,1266)	1:412:A:LEU:HD23	1:413:A:PRO:HB3	6	0.15	0.03	0.15
(1,1115)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	6	0.15	0.03	0.14
(1,1467)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	6	0.15	0.03	0.14
(1,389)	1:402:A:PRO:HA	1:406:A:ASN:HD21	6	0.14	0.03	0.14
(1,1218)	1:409:A:ILE:HG13	1:451:A:VAL:H	6	0.13	0.02	0.12
(1,1242)	1:407:A:LEU:HG	1:453:A:TYR:HD1	6	0.13	0.02	0.13
(1,1242)	1:407:A:LEU:HG	1:453:A:TYR:HD2	6	0.13	0.02	0.13
(1,820)	1:431:A:VAL:HG21	1:434:A:ALA:HB1	5	1.17	0.77	1.46
(1,820)	1:431:A:VAL:HG21	1:434:A:ALA:HB2	5	1.17	0.77	1.46
(1,820)	1:431:A:VAL:HG21	1:434:A:ALA:HB3	5	1.17	0.77	1.46
(1,820)	1:431:A:VAL:HG22	1:434:A:ALA:HB1	5	1.17	0.77	1.46
(1,820)	1:431:A:VAL:HG22	1:434:A:ALA:HB2	5	1.17	0.77	1.46

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,820)	1:431:A:VAL:HG22	1:434:A:ALA:HB3	5	1.17	0.77	1.46
(1,820)	1:431:A:VAL:HG23	1:434:A:ALA:HB1	5	1.17	0.77	1.46
(1,820)	1:431:A:VAL:HG23	1:434:A:ALA:HB2	5	1.17	0.77	1.46
(1,820)	1:431:A:VAL:HG23	1:434:A:ALA:HB3	5	1.17	0.77	1.46
(1,1137)	1:446:A:LYS:HB2	1:489:A:PRO:HD2	5	0.68	0.86	0.27
(1,1137)	1:446:A:LYS:HB3	1:489:A:PRO:HD2	5	0.68	0.86	0.27
(1,817)	1:431:A:VAL:HB	1:434:A:ALA:HB1	5	0.65	0.73	0.29
(1,817)	1:431:A:VAL:HB	1:434:A:ALA:HB2	5	0.65	0.73	0.29
(1,817)	1:431:A:VAL:HB	1:434:A:ALA:HB3	5	0.65	0.73	0.29
(1,1535)	1:410:A:TYR:HD1	1:448:A:PHE:HB2	5	0.58	0.56	0.19
(1,1535)	1:410:A:TYR:HD1	1:448:A:PHE:HB3	5	0.58	0.56	0.19
(1,1535)	1:410:A:TYR:HD2	1:448:A:PHE:HB2	5	0.58	0.56	0.19
(1,1535)	1:410:A:TYR:HD2	1:448:A:PHE:HB3	5	0.58	0.56	0.19
(1,301)	1:405:A:ALA:H	1:456:A:PRO:HB3	5	0.36	0.49	0.12
(1,1090)	1:419:A:GLN:HA	1:422:A:LEU:HB2	5	0.32	0.22	0.19
(1,1267)	1:412:A:LEU:HD11	1:414:A:GLN:HB3	5	0.27	0.05	0.27
(1,1267)	1:412:A:LEU:HD12	1:414:A:GLN:HB3	5	0.27	0.05	0.27
(1,1267)	1:412:A:LEU:HD13	1:414:A:GLN:HB3	5	0.27	0.05	0.27
(1,1267)	1:412:A:LEU:HD21	1:414:A:GLN:HB3	5	0.27	0.05	0.27
(1,1267)	1:412:A:LEU:HD22	1:414:A:GLN:HB3	5	0.27	0.05	0.27
(1,1267)	1:412:A:LEU:HD23	1:414:A:GLN:HB3	5	0.27	0.05	0.27
(1,548)	1:404:A:GLY:H	1:406:A:ASN:HD21	5	0.23	0.07	0.26
(1,12)	1:440:A:LYS:H	1:442:A:THR:H	5	0.23	0.05	0.23
(1,832)	1:401:A:GLY:HA3	1:402:A:PRO:HG2	5	0.23	0.06	0.24
(1,19)	1:425:A:PHE:HD1	1:426:A:MET:H	5	0.22	0.07	0.2
(1,19)	1:425:A:PHE:HD2	1:426:A:MET:H	5	0.22	0.07	0.2
(1,215)	1:428:A:PHE:HB3	1:462:A:ALA:H	5	0.21	0.07	0.2
(1,621)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	5	0.2	0.12	0.16
(1,621)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	5	0.2	0.12	0.16
(1,1010)	1:425:A:PHE:HB2	1:453:A:TYR:HE1	5	0.19	0.05	0.18
(1,1010)	1:425:A:PHE:HB2	1:453:A:TYR:HE2	5	0.19	0.05	0.18
(1,397)	1:430:A:ASN:H	1:458:A:SER:HB3	5	0.19	0.08	0.14
(1,1254)	1:442:A:THR:HB	1:444:A:LEU:HG	5	0.19	0.05	0.19
(1,1260)	1:442:A:THR:HB	1:444:A:LEU:HG	5	0.19	0.05	0.19
(1,568)	1:419:A:GLN:HE22	1:420:A:ASP:HB3	5	0.18	0.07	0.15
(1,791)	1:466:A:MET:H	1:478:A:VAL:HG11	5	0.18	0.04	0.2
(1,791)	1:466:A:MET:H	1:478:A:VAL:HG12	5	0.18	0.04	0.2
(1,791)	1:466:A:MET:H	1:478:A:VAL:HG13	5	0.18	0.04	0.2
(1,904)	1:451:A:VAL:HG11	1:462:A:ALA:HB1	5	0.18	0.03	0.19
(1,904)	1:451:A:VAL:HG11	1:462:A:ALA:HB2	5	0.18	0.03	0.19
(1,904)	1:451:A:VAL:HG11	1:462:A:ALA:HB3	5	0.18	0.03	0.19
(1,904)	1:451:A:VAL:HG12	1:462:A:ALA:HB1	5	0.18	0.03	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,904)	1:451:A:VAL:HG12	1:462:A:ALA:HB2	5	0.18	0.03	0.19
(1,904)	1:451:A:VAL:HG12	1:462:A:ALA:HB3	5	0.18	0.03	0.19
(1,904)	1:451:A:VAL:HG13	1:462:A:ALA:HB1	5	0.18	0.03	0.19
(1,904)	1:451:A:VAL:HG13	1:462:A:ALA:HB2	5	0.18	0.03	0.19
(1,904)	1:451:A:VAL:HG13	1:462:A:ALA:HB3	5	0.18	0.03	0.19
(1,1566)	1:428:A:PHE:HE1	1:466:A:MET:HB2	5	0.18	0.05	0.21
(1,1566)	1:428:A:PHE:HE1	1:466:A:MET:HB3	5	0.18	0.05	0.21
(1,1566)	1:428:A:PHE:HE2	1:466:A:MET:HB2	5	0.18	0.05	0.21
(1,1566)	1:428:A:PHE:HE2	1:466:A:MET:HB3	5	0.18	0.05	0.21
(1,410)	1:420:A:ASP:H	1:421:A:ILE:HG21	5	0.17	0.02	0.17
(1,410)	1:420:A:ASP:H	1:421:A:ILE:HG22	5	0.17	0.02	0.17
(1,410)	1:420:A:ASP:H	1:421:A:ILE:HG23	5	0.17	0.02	0.17
(1,1274)	1:467:A:ASN:HA	1:478:A:VAL:HG21	5	0.16	0.05	0.18
(1,1274)	1:467:A:ASN:HA	1:478:A:VAL:HG22	5	0.16	0.05	0.18
(1,1274)	1:467:A:ASN:HA	1:478:A:VAL:HG23	5	0.16	0.05	0.18
(1,1475)	1:467:A:ASN:HA	1:478:A:VAL:HG21	5	0.16	0.05	0.18
(1,1475)	1:467:A:ASN:HA	1:478:A:VAL:HG22	5	0.16	0.05	0.18
(1,1475)	1:467:A:ASN:HA	1:478:A:VAL:HG23	5	0.16	0.05	0.18
(1,1478)	1:467:A:ASN:HA	1:478:A:VAL:HG21	5	0.16	0.05	0.18
(1,1478)	1:467:A:ASN:HA	1:478:A:VAL:HG22	5	0.16	0.05	0.18
(1,1478)	1:467:A:ASN:HA	1:478:A:VAL:HG23	5	0.16	0.05	0.18
(1,550)	1:402:A:PRO:HG2	1:404:A:GLY:H	5	0.15	0.05	0.14
(1,1044)	1:412:A:LEU:HA	1:421:A:ILE:HD11	5	0.15	0.05	0.13
(1,1044)	1:412:A:LEU:HA	1:421:A:ILE:HD12	5	0.15	0.05	0.13
(1,1044)	1:412:A:LEU:HA	1:421:A:ILE:HD13	5	0.15	0.05	0.13
(1,886)	1:433:A:SER:HB3	1:452:A:SER:H	5	0.15	0.02	0.16
(1,303)	1:405:A:ALA:H	1:459:A:ALA:HB1	5	0.15	0.02	0.15
(1,303)	1:405:A:ALA:H	1:459:A:ALA:HB2	5	0.15	0.02	0.15
(1,303)	1:405:A:ALA:H	1:459:A:ALA:HB3	5	0.15	0.02	0.15
(1,935)	1:405:A:ALA:H	1:459:A:ALA:HB1	5	0.15	0.02	0.15
(1,935)	1:405:A:ALA:H	1:459:A:ALA:HB2	5	0.15	0.02	0.15
(1,935)	1:405:A:ALA:H	1:459:A:ALA:HB3	5	0.15	0.02	0.15
(1,1045)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	5	0.14	0.03	0.12
(1,1045)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	5	0.14	0.03	0.12
(1,1045)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	5	0.14	0.03	0.12
(1,1429)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	5	0.14	0.03	0.12
(1,1429)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	5	0.14	0.03	0.12
(1,1429)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	5	0.14	0.03	0.12
(1,74)	1:414:A:GLN:H	1:415:A:GLU:HB2	5	0.13	0.02	0.14
(1,44)	1:439:A:ASP:H	1:444:A:LEU:H	5	0.13	0.02	0.12
(1,375)	1:439:A:ASP:H	1:444:A:LEU:H	5	0.13	0.02	0.12
(1,524)	1:432:A:ILE:HD11	1:433:A:SER:H	5	0.13	0.01	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,524)	1:432:A:ILE:HD12	1:433:A:SER:H	5	0.13	0.01	0.12
(1,524)	1:432:A:ILE:HD13	1:433:A:SER:H	5	0.13	0.01	0.12
(1,1074)	1:432:A:ILE:HD11	1:433:A:SER:H	5	0.13	0.01	0.12
(1,1074)	1:432:A:ILE:HD12	1:433:A:SER:H	5	0.13	0.01	0.12
(1,1074)	1:432:A:ILE:HD13	1:433:A:SER:H	5	0.13	0.01	0.12
(1,309)	1:475:A:ARG:H	1:476:A:LEU:HA	5	0.12	0.01	0.13
(1,1042)	1:416:A:PHE:HD1	1:421:A:ILE:HD11	4	0.82	0.69	0.64
(1,1042)	1:416:A:PHE:HD1	1:421:A:ILE:HD12	4	0.82	0.69	0.64
(1,1042)	1:416:A:PHE:HD1	1:421:A:ILE:HD13	4	0.82	0.69	0.64
(1,1042)	1:416:A:PHE:HD2	1:421:A:ILE:HD11	4	0.82	0.69	0.64
(1,1042)	1:416:A:PHE:HD2	1:421:A:ILE:HD12	4	0.82	0.69	0.64
(1,1042)	1:416:A:PHE:HD2	1:421:A:ILE:HD13	4	0.82	0.69	0.64
(1,1302)	1:476:A:LEU:HD11	1:478:A:VAL:HG11	4	0.72	0.28	0.76
(1,1302)	1:476:A:LEU:HD11	1:478:A:VAL:HG12	4	0.72	0.28	0.76
(1,1302)	1:476:A:LEU:HD11	1:478:A:VAL:HG13	4	0.72	0.28	0.76
(1,1302)	1:476:A:LEU:HD12	1:478:A:VAL:HG11	4	0.72	0.28	0.76
(1,1302)	1:476:A:LEU:HD12	1:478:A:VAL:HG12	4	0.72	0.28	0.76
(1,1302)	1:476:A:LEU:HD12	1:478:A:VAL:HG13	4	0.72	0.28	0.76
(1,1302)	1:476:A:LEU:HD13	1:478:A:VAL:HG11	4	0.72	0.28	0.76
(1,1302)	1:476:A:LEU:HD13	1:478:A:VAL:HG12	4	0.72	0.28	0.76
(1,1302)	1:476:A:LEU:HD13	1:478:A:VAL:HG13	4	0.72	0.28	0.76
(1,1302)	1:476:A:LEU:HD21	1:478:A:VAL:HG11	4	0.72	0.28	0.76
(1,1302)	1:476:A:LEU:HD21	1:478:A:VAL:HG12	4	0.72	0.28	0.76
(1,1302)	1:476:A:LEU:HD21	1:478:A:VAL:HG13	4	0.72	0.28	0.76
(1,1302)	1:476:A:LEU:HD22	1:478:A:VAL:HG11	4	0.72	0.28	0.76
(1,1302)	1:476:A:LEU:HD22	1:478:A:VAL:HG12	4	0.72	0.28	0.76
(1,1302)	1:476:A:LEU:HD22	1:478:A:VAL:HG13	4	0.72	0.28	0.76
(1,1302)	1:476:A:LEU:HD23	1:478:A:VAL:HG11	4	0.72	0.28	0.76
(1,1302)	1:476:A:LEU:HD23	1:478:A:VAL:HG12	4	0.72	0.28	0.76
(1,1302)	1:476:A:LEU:HD23	1:478:A:VAL:HG13	4	0.72	0.28	0.76
(1,914)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	4	0.49	0.31	0.4
(1,914)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	4	0.49	0.31	0.4
(1,914)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	4	0.49	0.31	0.4
(1,914)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	4	0.49	0.31	0.4
(1,1541)	1:421:A:ILE:HA	1:425:A:PHE:HD1	4	0.36	0.24	0.24
(1,1541)	1:421:A:ILE:HA	1:425:A:PHE:HD2	4	0.36	0.24	0.24
(1,1585)	1:415:A:GLU:HG2	1:416:A:PHE:HD1	4	0.33	0.37	0.13
(1,1585)	1:415:A:GLU:HG2	1:416:A:PHE:HD2	4	0.33	0.37	0.13
(1,1585)	1:415:A:GLU:HG3	1:416:A:PHE:HD1	4	0.33	0.37	0.13
(1,1585)	1:415:A:GLU:HG3	1:416:A:PHE:HD2	4	0.33	0.37	0.13
(1,284)	1:450:A:PHE:H	1:450:A:PHE:HE1	4	0.25	0.06	0.24
(1,284)	1:450:A:PHE:H	1:450:A:PHE:HE2	4	0.25	0.06	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD11	4	0.22	0.05	0.22
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD12	4	0.22	0.05	0.22
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD13	4	0.22	0.05	0.22
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD21	4	0.22	0.05	0.22
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD22	4	0.22	0.05	0.22
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD23	4	0.22	0.05	0.22
(1,291)	1:435:A:LYS:HG3	1:450:A:PHE:H	4	0.22	0.05	0.22
(1,607)	1:427:A:PRO:HG2	1:429:A:GLY:H	4	0.2	0.1	0.16
(1,87)	1:481:A:LYS:H	1:481:A:LYS:HE2	4	0.2	0.05	0.2
(1,87)	1:481:A:LYS:H	1:481:A:LYS:HE3	4	0.2	0.05	0.2
(1,1241)	1:407:A:LEU:HG	1:425:A:PHE:HE1	4	0.19	0.05	0.18
(1,1241)	1:407:A:LEU:HG	1:425:A:PHE:HE2	4	0.19	0.05	0.18
(1,749)	1:417:A:GLY:H	1:436:A:VAL:HG21	4	0.19	0.07	0.18
(1,749)	1:417:A:GLY:H	1:436:A:VAL:HG22	4	0.19	0.07	0.18
(1,749)	1:417:A:GLY:H	1:436:A:VAL:HG23	4	0.19	0.07	0.18
(1,958)	1:431:A:VAL:H	1:432:A:ILE:HG21	4	0.19	0.04	0.18
(1,958)	1:431:A:VAL:H	1:432:A:ILE:HG22	4	0.19	0.04	0.18
(1,958)	1:431:A:VAL:H	1:432:A:ILE:HG23	4	0.19	0.04	0.18
(1,1341)	1:402:A:PRO:HD3	1:405:A:ALA:HB1	4	0.19	0.07	0.16
(1,1341)	1:402:A:PRO:HD3	1:405:A:ALA:HB2	4	0.19	0.07	0.16
(1,1341)	1:402:A:PRO:HD3	1:405:A:ALA:HB3	4	0.19	0.07	0.16
(1,480)	1:444:A:LEU:HG	1:445:A:SER:H	4	0.18	0.01	0.18
(1,669)	1:444:A:LEU:HG	1:445:A:SER:H	4	0.18	0.01	0.18
(1,1371)	1:439:A:ASP:HA	1:440:A:LYS:HE2	4	0.18	0.06	0.18
(1,1371)	1:439:A:ASP:HA	1:440:A:LYS:HE3	4	0.18	0.06	0.18
(1,1515)	1:409:A:ILE:HG12	1:421:A:ILE:HD11	4	0.17	0.03	0.16
(1,1515)	1:409:A:ILE:HG12	1:421:A:ILE:HD12	4	0.17	0.03	0.16
(1,1515)	1:409:A:ILE:HG12	1:421:A:ILE:HD13	4	0.17	0.03	0.16
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD11	4	0.17	0.04	0.16
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD12	4	0.17	0.04	0.16
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD13	4	0.17	0.04	0.16
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD21	4	0.17	0.04	0.16
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD22	4	0.17	0.04	0.16
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD23	4	0.17	0.04	0.16
(1,781)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	4	0.14	0.04	0.14
(1,781)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	4	0.14	0.04	0.14
(1,781)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	4	0.14	0.04	0.14
(1,1286)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	4	0.14	0.04	0.14
(1,1286)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	4	0.14	0.04	0.14
(1,1286)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	4	0.14	0.04	0.14
(1,1555)	1:428:A:PHE:H	1:428:A:PHE:HE1	4	0.14	0.02	0.15
(1,1555)	1:428:A:PHE:H	1:428:A:PHE:HE2	4	0.14	0.02	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1445)	1:436:A:VAL:HG11	1:437:A:PHE:HA	4	0.14	0.02	0.14
(1,1445)	1:436:A:VAL:HG12	1:437:A:PHE:HA	4	0.14	0.02	0.14
(1,1445)	1:436:A:VAL:HG13	1:437:A:PHE:HA	4	0.14	0.02	0.14
(1,1332)	1:431:A:VAL:HB	1:451:A:VAL:HG11	4	0.13	0.02	0.14
(1,1332)	1:431:A:VAL:HB	1:451:A:VAL:HG12	4	0.13	0.02	0.14
(1,1332)	1:431:A:VAL:HB	1:451:A:VAL:HG13	4	0.13	0.02	0.14
(1,1568)	1:428:A:PHE:HE1	1:462:A:ALA:HA	4	0.13	0.03	0.12
(1,1568)	1:428:A:PHE:HE2	1:462:A:ALA:HA	4	0.13	0.03	0.12
(1,332)	1:463:A:ILE:HA	1:467:A:ASN:H	4	0.12	0.01	0.12
(1,156)	1:407:A:LEU:H	1:453:A:TYR:HB3	4	0.12	0.02	0.12
(1,1318)	1:422:A:LEU:HA	1:434:A:ALA:HB1	3	0.93	0.51	1.1
(1,1318)	1:422:A:LEU:HA	1:434:A:ALA:HB2	3	0.93	0.51	1.1
(1,1318)	1:422:A:LEU:HA	1:434:A:ALA:HB3	3	0.93	0.51	1.1
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD11	3	0.74	0.43	1.0
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD12	3	0.74	0.43	1.0
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD13	3	0.74	0.43	1.0
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD21	3	0.74	0.43	1.0
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD22	3	0.74	0.43	1.0
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD23	3	0.74	0.43	1.0
(1,849)	1:405:A:ALA:HB1	1:454:A:ASP:H	3	0.44	0.2	0.42
(1,849)	1:405:A:ALA:HB2	1:454:A:ASP:H	3	0.44	0.2	0.42
(1,849)	1:405:A:ALA:HB3	1:454:A:ASP:H	3	0.44	0.2	0.42
(1,304)	1:405:A:ALA:H	1:406:A:ASN:HD22	3	0.3	0.02	0.29
(1,653)	1:474:A:LYS:HG3	1:475:A:ARG:H	3	0.29	0.07	0.29
(1,525)	1:433:A:SER:H	1:451:A:VAL:HG11	3	0.28	0.08	0.29
(1,525)	1:433:A:SER:H	1:451:A:VAL:HG12	3	0.28	0.08	0.29
(1,525)	1:433:A:SER:H	1:451:A:VAL:HG13	3	0.28	0.08	0.29
(1,805)	1:465:A:ALA:HB1	1:466:A:MET:HG2	3	0.26	0.03	0.25
(1,805)	1:465:A:ALA:HB1	1:466:A:MET:HG3	3	0.26	0.03	0.25
(1,805)	1:465:A:ALA:HB2	1:466:A:MET:HG2	3	0.26	0.03	0.25
(1,805)	1:465:A:ALA:HB2	1:466:A:MET:HG3	3	0.26	0.03	0.25
(1,805)	1:465:A:ALA:HB3	1:466:A:MET:HG2	3	0.26	0.03	0.25
(1,805)	1:465:A:ALA:HB3	1:466:A:MET:HG3	3	0.26	0.03	0.25
(1,1289)	1:431:A:VAL:HG11	1:453:A:TYR:HA	3	0.25	0.16	0.18
(1,1289)	1:431:A:VAL:HG12	1:453:A:TYR:HA	3	0.25	0.16	0.18
(1,1289)	1:431:A:VAL:HG13	1:453:A:TYR:HA	3	0.25	0.16	0.18
(1,1071)	1:432:A:ILE:HD11	1:454:A:ASP:HB2	3	0.24	0.09	0.27
(1,1071)	1:432:A:ILE:HD12	1:454:A:ASP:HB2	3	0.24	0.09	0.27
(1,1071)	1:432:A:ILE:HD13	1:454:A:ASP:HB2	3	0.24	0.09	0.27
(1,776)	1:435:A:LYS:H	1:451:A:VAL:HG21	3	0.23	0.06	0.2
(1,776)	1:435:A:LYS:H	1:451:A:VAL:HG22	3	0.23	0.06	0.2
(1,776)	1:435:A:LYS:H	1:451:A:VAL:HG23	3	0.23	0.06	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1040)	1:421:A:ILE:HD11	1:450:A:PHE:H	3	0.22	0.12	0.14
(1,1040)	1:421:A:ILE:HD12	1:450:A:PHE:H	3	0.22	0.12	0.14
(1,1040)	1:421:A:ILE:HD13	1:450:A:PHE:H	3	0.22	0.12	0.14
(1,690)	1:480:A:LEU:HD11	1:481:A:LYS:HA	3	0.2	0.03	0.21
(1,690)	1:480:A:LEU:HD12	1:481:A:LYS:HA	3	0.2	0.03	0.21
(1,690)	1:480:A:LEU:HD13	1:481:A:LYS:HA	3	0.2	0.03	0.21
(1,690)	1:480:A:LEU:HD21	1:481:A:LYS:HA	3	0.2	0.03	0.21
(1,690)	1:480:A:LEU:HD22	1:481:A:LYS:HA	3	0.2	0.03	0.21
(1,690)	1:480:A:LEU:HD23	1:481:A:LYS:HA	3	0.2	0.03	0.21
(1,505)	1:409:A:ILE:HG21	1:412:A:LEU:H	3	0.18	0.04	0.2
(1,505)	1:409:A:ILE:HG22	1:412:A:LEU:H	3	0.18	0.04	0.2
(1,505)	1:409:A:ILE:HG23	1:412:A:LEU:H	3	0.18	0.04	0.2
(1,163)	1:463:A:ILE:HB	1:480:A:LEU:H	3	0.17	0.06	0.18
(1,1435)	1:469:A:PHE:HA	1:471:A:ILE:HD11	3	0.17	0.04	0.19
(1,1435)	1:469:A:PHE:HA	1:471:A:ILE:HD12	3	0.17	0.04	0.19
(1,1435)	1:469:A:PHE:HA	1:471:A:ILE:HD13	3	0.17	0.04	0.19
(1,945)	1:461:A:ALA:HB1	1:465:A:ALA:HB1	3	0.16	0.02	0.17
(1,945)	1:461:A:ALA:HB1	1:465:A:ALA:HB2	3	0.16	0.02	0.17
(1,945)	1:461:A:ALA:HB1	1:465:A:ALA:HB3	3	0.16	0.02	0.17
(1,945)	1:461:A:ALA:HB2	1:465:A:ALA:HB1	3	0.16	0.02	0.17
(1,945)	1:461:A:ALA:HB2	1:465:A:ALA:HB2	3	0.16	0.02	0.17
(1,945)	1:461:A:ALA:HB2	1:465:A:ALA:HB3	3	0.16	0.02	0.17
(1,945)	1:461:A:ALA:HB3	1:465:A:ALA:HB1	3	0.16	0.02	0.17
(1,945)	1:461:A:ALA:HB3	1:465:A:ALA:HB2	3	0.16	0.02	0.17
(1,945)	1:461:A:ALA:HB3	1:465:A:ALA:HB3	3	0.16	0.02	0.17
(1,1269)	1:478:A:VAL:HG21	1:479:A:GLN:HA	3	0.16	0.0	0.16
(1,1269)	1:478:A:VAL:HG22	1:479:A:GLN:HA	3	0.16	0.0	0.16
(1,1269)	1:478:A:VAL:HG23	1:479:A:GLN:HA	3	0.16	0.0	0.16
(1,1536)	1:409:A:ILE:HG21	1:410:A:TYR:HD1	3	0.16	0.03	0.16
(1,1536)	1:409:A:ILE:HG21	1:410:A:TYR:HD2	3	0.16	0.03	0.16
(1,1536)	1:409:A:ILE:HG22	1:410:A:TYR:HD1	3	0.16	0.03	0.16
(1,1536)	1:409:A:ILE:HG22	1:410:A:TYR:HD2	3	0.16	0.03	0.16
(1,1536)	1:409:A:ILE:HG23	1:410:A:TYR:HD1	3	0.16	0.03	0.16
(1,1536)	1:409:A:ILE:HG23	1:410:A:TYR:HD2	3	0.16	0.03	0.16
(1,1153)	1:461:A:ALA:HA	1:465:A:ALA:H	3	0.15	0.04	0.17
(1,782)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	3	0.15	0.02	0.16
(1,782)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	3	0.15	0.02	0.16
(1,782)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	3	0.15	0.02	0.16
(1,1209)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	3	0.15	0.02	0.16
(1,1209)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	3	0.15	0.02	0.16
(1,1209)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	3	0.15	0.02	0.16
(1,337)	1:408:A:PHE:H	1:481:A:LYS:H	3	0.14	0.04	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD11	3	0.14	0.02	0.13
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD12	3	0.14	0.02	0.13
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD13	3	0.14	0.02	0.13
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD21	3	0.14	0.02	0.13
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD22	3	0.14	0.02	0.13
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD23	3	0.14	0.02	0.13
(1,779)	1:425:A:PHE:HD1	1:451:A:VAL:HG21	3	0.14	0.06	0.1
(1,779)	1:425:A:PHE:HD1	1:451:A:VAL:HG22	3	0.14	0.06	0.1
(1,779)	1:425:A:PHE:HD1	1:451:A:VAL:HG23	3	0.14	0.06	0.1
(1,779)	1:425:A:PHE:HD2	1:451:A:VAL:HG21	3	0.14	0.06	0.1
(1,779)	1:425:A:PHE:HD2	1:451:A:VAL:HG22	3	0.14	0.06	0.1
(1,779)	1:425:A:PHE:HD2	1:451:A:VAL:HG23	3	0.14	0.06	0.1
(1,1303)	1:425:A:PHE:HD1	1:451:A:VAL:HG21	3	0.14	0.06	0.1
(1,1303)	1:425:A:PHE:HD1	1:451:A:VAL:HG22	3	0.14	0.06	0.1
(1,1303)	1:425:A:PHE:HD1	1:451:A:VAL:HG23	3	0.14	0.06	0.1
(1,1303)	1:425:A:PHE:HD2	1:451:A:VAL:HG21	3	0.14	0.06	0.1
(1,1303)	1:425:A:PHE:HD2	1:451:A:VAL:HG22	3	0.14	0.06	0.1
(1,1303)	1:425:A:PHE:HD2	1:451:A:VAL:HG23	3	0.14	0.06	0.1
(1,1546)	1:425:A:PHE:HD1	1:451:A:VAL:HG21	3	0.14	0.06	0.1
(1,1546)	1:425:A:PHE:HD1	1:451:A:VAL:HG22	3	0.14	0.06	0.1
(1,1546)	1:425:A:PHE:HD1	1:451:A:VAL:HG23	3	0.14	0.06	0.1
(1,1546)	1:425:A:PHE:HD2	1:451:A:VAL:HG21	3	0.14	0.06	0.1
(1,1546)	1:425:A:PHE:HD2	1:451:A:VAL:HG22	3	0.14	0.06	0.1
(1,1546)	1:425:A:PHE:HD2	1:451:A:VAL:HG23	3	0.14	0.06	0.1
(1,825)	1:435:A:LYS:HA	1:436:A:VAL:HG11	3	0.14	0.02	0.14
(1,825)	1:435:A:LYS:HA	1:436:A:VAL:HG12	3	0.14	0.02	0.14
(1,825)	1:435:A:LYS:HA	1:436:A:VAL:HG13	3	0.14	0.02	0.14
(1,1049)	1:412:A:LEU:HG	1:421:A:ILE:HD11	3	0.14	0.03	0.15
(1,1049)	1:412:A:LEU:HG	1:421:A:ILE:HD12	3	0.14	0.03	0.15
(1,1049)	1:412:A:LEU:HG	1:421:A:ILE:HD13	3	0.14	0.03	0.15
(1,1173)	1:435:A:LYS:HA	1:436:A:VAL:HG11	3	0.14	0.02	0.14
(1,1173)	1:435:A:LYS:HA	1:436:A:VAL:HG12	3	0.14	0.02	0.14
(1,1173)	1:435:A:LYS:HA	1:436:A:VAL:HG13	3	0.14	0.02	0.14
(1,1256)	1:412:A:LEU:HG	1:421:A:ILE:HD11	3	0.14	0.03	0.15
(1,1256)	1:412:A:LEU:HG	1:421:A:ILE:HD12	3	0.14	0.03	0.15
(1,1256)	1:412:A:LEU:HG	1:421:A:ILE:HD13	3	0.14	0.03	0.15
(1,873)	1:480:A:LEU:HB2	1:482:A:ARG:HD2	3	0.13	0.01	0.14
(1,873)	1:480:A:LEU:HB2	1:482:A:ARG:HD3	3	0.13	0.01	0.14
(1,873)	1:480:A:LEU:HB3	1:482:A:ARG:HD2	3	0.13	0.01	0.14
(1,873)	1:480:A:LEU:HB3	1:482:A:ARG:HD3	3	0.13	0.01	0.14
(1,1360)	1:480:A:LEU:HB2	1:482:A:ARG:HD2	3	0.13	0.01	0.14
(1,1360)	1:480:A:LEU:HB2	1:482:A:ARG:HD3	3	0.13	0.01	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1360)	1:480:A:LEU:HB3	1:482:A:ARG:HD2	3	0.13	0.01	0.14
(1,1360)	1:480:A:LEU:HB3	1:482:A:ARG:HD3	3	0.13	0.01	0.14
(1,1016)	1:408:A:PHE:H	1:478:A:VAL:HA	3	0.13	0.01	0.13
(1,674)	1:436:A:VAL:HG21	1:440:A:LYS:HG2	3	0.13	0.01	0.13
(1,674)	1:436:A:VAL:HG21	1:440:A:LYS:HG3	3	0.13	0.01	0.13
(1,674)	1:436:A:VAL:HG22	1:440:A:LYS:HG2	3	0.13	0.01	0.13
(1,674)	1:436:A:VAL:HG22	1:440:A:LYS:HG3	3	0.13	0.01	0.13
(1,674)	1:436:A:VAL:HG23	1:440:A:LYS:HG2	3	0.13	0.01	0.13
(1,674)	1:436:A:VAL:HG23	1:440:A:LYS:HG3	3	0.13	0.01	0.13
(1,1407)	1:436:A:VAL:HB	1:437:A:PHE:HB3	3	0.13	0.0	0.13
(1,1080)	1:422:A:LEU:HG	1:423:A:GLN:HA	3	0.12	0.02	0.12
(1,1238)	1:422:A:LEU:HG	1:423:A:GLN:HA	3	0.12	0.02	0.12
(1,1417)	1:463:A:ILE:HB	1:464:A:GLN:HB2	3	0.12	0.01	0.11
(1,1417)	1:463:A:ILE:HB	1:464:A:GLN:HB3	3	0.12	0.01	0.11
(1,1525)	1:463:A:ILE:HB	1:464:A:GLN:HB2	3	0.12	0.01	0.11
(1,1525)	1:463:A:ILE:HB	1:464:A:GLN:HB3	3	0.12	0.01	0.11
(1,746)	1:431:A:VAL:HG11	1:451:A:VAL:HG11	3	0.12	0.01	0.12
(1,746)	1:431:A:VAL:HG11	1:451:A:VAL:HG12	3	0.12	0.01	0.12
(1,746)	1:431:A:VAL:HG11	1:451:A:VAL:HG13	3	0.12	0.01	0.12
(1,746)	1:431:A:VAL:HG12	1:451:A:VAL:HG11	3	0.12	0.01	0.12
(1,746)	1:431:A:VAL:HG12	1:451:A:VAL:HG12	3	0.12	0.01	0.12
(1,746)	1:431:A:VAL:HG12	1:451:A:VAL:HG13	3	0.12	0.01	0.12
(1,746)	1:431:A:VAL:HG13	1:451:A:VAL:HG11	3	0.12	0.01	0.12
(1,746)	1:431:A:VAL:HG13	1:451:A:VAL:HG12	3	0.12	0.01	0.12
(1,746)	1:431:A:VAL:HG13	1:451:A:VAL:HG13	3	0.12	0.01	0.12
(1,842)	1:431:A:VAL:HG11	1:451:A:VAL:HG11	3	0.12	0.01	0.12
(1,842)	1:431:A:VAL:HG11	1:451:A:VAL:HG12	3	0.12	0.01	0.12
(1,842)	1:431:A:VAL:HG11	1:451:A:VAL:HG13	3	0.12	0.01	0.12
(1,842)	1:431:A:VAL:HG12	1:451:A:VAL:HG11	3	0.12	0.01	0.12
(1,842)	1:431:A:VAL:HG12	1:451:A:VAL:HG12	3	0.12	0.01	0.12
(1,842)	1:431:A:VAL:HG12	1:451:A:VAL:HG13	3	0.12	0.01	0.12
(1,842)	1:431:A:VAL:HG13	1:451:A:VAL:HG11	3	0.12	0.01	0.12
(1,842)	1:431:A:VAL:HG13	1:451:A:VAL:HG12	3	0.12	0.01	0.12
(1,842)	1:431:A:VAL:HG13	1:451:A:VAL:HG13	3	0.12	0.01	0.12
(1,1334)	1:431:A:VAL:HG11	1:451:A:VAL:HG11	3	0.12	0.01	0.12
(1,1334)	1:431:A:VAL:HG11	1:451:A:VAL:HG12	3	0.12	0.01	0.12
(1,1334)	1:431:A:VAL:HG11	1:451:A:VAL:HG13	3	0.12	0.01	0.12
(1,1334)	1:431:A:VAL:HG12	1:451:A:VAL:HG11	3	0.12	0.01	0.12
(1,1334)	1:431:A:VAL:HG12	1:451:A:VAL:HG12	3	0.12	0.01	0.12
(1,1334)	1:431:A:VAL:HG12	1:451:A:VAL:HG13	3	0.12	0.01	0.12
(1,1334)	1:431:A:VAL:HG13	1:451:A:VAL:HG11	3	0.12	0.01	0.12
(1,1334)	1:431:A:VAL:HG13	1:451:A:VAL:HG12	3	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1334)	1:431:A:VAL:HG13	1:451:A:VAL:HG13	3	0.12	0.01	0.12
(1,1497)	1:418:A:ASP:HA	1:435:A:LYS:HA	2	1.29	0.46	1.29
(1,1597)	1:431:A:VAL:HA	1:453:A:TYR:HE1	2	0.32	0.22	0.32
(1,1597)	1:431:A:VAL:HA	1:453:A:TYR:HE2	2	0.32	0.22	0.32
(1,662)	1:480:A:LEU:HG	1:481:A:LYS:HB3	2	0.31	0.1	0.31
(1,1586)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	2	0.28	0.01	0.28
(1,1586)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	2	0.28	0.01	0.28
(1,1586)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	2	0.28	0.01	0.28
(1,1586)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	2	0.28	0.01	0.28
(1,228)	1:418:A:ASP:H	1:436:A:VAL:HG11	2	0.27	0.08	0.27
(1,228)	1:418:A:ASP:H	1:436:A:VAL:HG12	2	0.27	0.08	0.27
(1,228)	1:418:A:ASP:H	1:436:A:VAL:HG13	2	0.27	0.08	0.27
(1,270)	1:456:A:PRO:HD3	1:457:A:VAL:H	2	0.27	0.05	0.27
(1,925)	1:455:A:ASN:HB3	1:456:A:PRO:HD3	2	0.26	0.12	0.26
(1,1207)	1:421:A:ILE:HG12	1:425:A:PHE:HD1	2	0.26	0.08	0.26
(1,1207)	1:421:A:ILE:HG12	1:425:A:PHE:HD2	2	0.26	0.08	0.26
(1,1076)	1:432:A:ILE:HD11	1:454:A:ASP:HB3	2	0.24	0.14	0.24
(1,1076)	1:432:A:ILE:HD12	1:454:A:ASP:HB3	2	0.24	0.14	0.24
(1,1076)	1:432:A:ILE:HD13	1:454:A:ASP:HB3	2	0.24	0.14	0.24
(1,357)	1:463:A:ILE:H	1:465:A:ALA:H	2	0.22	0.02	0.22
(1,1392)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	2	0.22	0.05	0.22
(1,1392)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	2	0.22	0.05	0.22
(1,1392)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	2	0.22	0.05	0.22
(1,82)	1:421:A:ILE:HG21	1:434:A:ALA:H	2	0.2	0.05	0.2
(1,82)	1:421:A:ILE:HG22	1:434:A:ALA:H	2	0.2	0.05	0.2
(1,82)	1:421:A:ILE:HG23	1:434:A:ALA:H	2	0.2	0.05	0.2
(1,737)	1:426:A:MET:H	1:426:A:MET:HE1	2	0.2	0.1	0.2
(1,737)	1:426:A:MET:H	1:426:A:MET:HE2	2	0.2	0.1	0.2
(1,737)	1:426:A:MET:H	1:426:A:MET:HE3	2	0.2	0.1	0.2
(1,58)	1:471:A:ILE:H	1:474:A:LYS:HB2	2	0.18	0.02	0.18
(1,1132)	1:470:A:GLN:HG2	1:474:A:LYS:H	2	0.18	0.08	0.18
(1,1132)	1:470:A:GLN:HG3	1:474:A:LYS:H	2	0.18	0.08	0.18
(1,305)	1:405:A:ALA:H	1:406:A:ASN:HD21	2	0.18	0.03	0.18
(1,578)	1:401:A:GLY:H	1:402:A:PRO:HD2	2	0.18	0.0	0.18
(1,630)	1:401:A:GLY:H	1:402:A:PRO:HD2	2	0.18	0.0	0.18
(1,1271)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	2	0.17	0.04	0.17
(1,1271)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	2	0.17	0.04	0.17
(1,1271)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	2	0.17	0.04	0.17
(1,1271)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	2	0.17	0.04	0.17
(1,1271)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	2	0.17	0.04	0.17
(1,1271)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	2	0.17	0.04	0.17
(1,1573)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	2	0.17	0.04	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1573)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	2	0.17	0.04	0.17
(1,1573)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	2	0.17	0.04	0.17
(1,1573)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	2	0.17	0.04	0.17
(1,1573)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	2	0.17	0.04	0.17
(1,1573)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	2	0.17	0.04	0.17
(1,196)	1:435:A:LYS:HD2	1:436:A:VAL:H	2	0.16	0.05	0.16
(1,196)	1:435:A:LYS:HD3	1:436:A:VAL:H	2	0.16	0.05	0.16
(1,1234)	1:457:A:VAL:HA	1:460:A:GLN:HB2	2	0.16	0.04	0.16
(1,1234)	1:457:A:VAL:HA	1:460:A:GLN:HB3	2	0.16	0.04	0.16
(1,1298)	1:421:A:ILE:HG12	1:436:A:VAL:HG21	2	0.16	0.01	0.16
(1,1298)	1:421:A:ILE:HG12	1:436:A:VAL:HG22	2	0.16	0.01	0.16
(1,1298)	1:421:A:ILE:HG12	1:436:A:VAL:HG23	2	0.16	0.01	0.16
(1,1354)	1:457:A:VAL:HA	1:460:A:GLN:HB2	2	0.16	0.04	0.16
(1,1354)	1:457:A:VAL:HA	1:460:A:GLN:HB3	2	0.16	0.04	0.16
(1,38)	1:466:A:MET:HB2	1:478:A:VAL:H	2	0.16	0.02	0.16
(1,38)	1:466:A:MET:HB3	1:478:A:VAL:H	2	0.16	0.02	0.16
(1,491)	1:415:A:GLU:H	1:416:A:PHE:HD1	2	0.16	0.04	0.16
(1,491)	1:415:A:GLU:H	1:416:A:PHE:HD2	2	0.16	0.04	0.16
(1,1155)	1:461:A:ALA:HA	1:464:A:GLN:HB2	2	0.15	0.0	0.15
(1,1155)	1:461:A:ALA:HA	1:464:A:GLN:HB3	2	0.15	0.0	0.15
(1,179)	1:422:A:LEU:H	1:423:A:GLN:HA	2	0.14	0.02	0.14
(1,146)	1:407:A:LEU:H	1:451:A:VAL:HG21	2	0.13	0.0	0.13
(1,146)	1:407:A:LEU:H	1:451:A:VAL:HG22	2	0.13	0.0	0.13
(1,146)	1:407:A:LEU:H	1:451:A:VAL:HG23	2	0.13	0.0	0.13
(1,694)	1:471:A:ILE:H	1:472:A:GLY:HA3	2	0.13	0.01	0.13
(1,1014)	1:462:A:ALA:HA	1:463:A:ILE:HB	2	0.13	0.01	0.13
(1,334)	1:463:A:ILE:HG21	1:467:A:ASN:H	2	0.12	0.02	0.12
(1,334)	1:463:A:ILE:HG22	1:467:A:ASN:H	2	0.12	0.02	0.12
(1,334)	1:463:A:ILE:HG23	1:467:A:ASN:H	2	0.12	0.02	0.12
(1,952)	1:463:A:ILE:HG21	1:467:A:ASN:H	2	0.12	0.02	0.12
(1,952)	1:463:A:ILE:HG22	1:467:A:ASN:H	2	0.12	0.02	0.12
(1,952)	1:463:A:ILE:HG23	1:467:A:ASN:H	2	0.12	0.02	0.12
(1,1107)	1:423:A:GLN:HG2	1:426:A:MET:HG2	2	0.12	0.02	0.12
(1,1107)	1:423:A:GLN:HG2	1:426:A:MET:HG3	2	0.12	0.02	0.12
(1,1183)	1:463:A:ILE:HG12	1:478:A:VAL:HG21	2	0.12	0.01	0.12
(1,1183)	1:463:A:ILE:HG12	1:478:A:VAL:HG22	2	0.12	0.01	0.12
(1,1183)	1:463:A:ILE:HG12	1:478:A:VAL:HG23	2	0.12	0.01	0.12
(1,1183)	1:463:A:ILE:HG13	1:478:A:VAL:HG21	2	0.12	0.01	0.12
(1,1183)	1:463:A:ILE:HG13	1:478:A:VAL:HG22	2	0.12	0.01	0.12
(1,1183)	1:463:A:ILE:HG13	1:478:A:VAL:HG23	2	0.12	0.01	0.12
(1,1276)	1:463:A:ILE:HG12	1:478:A:VAL:HG21	2	0.12	0.01	0.12
(1,1276)	1:463:A:ILE:HG12	1:478:A:VAL:HG22	2	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1276)	1:463:A:ILE:HG12	1:478:A:VAL:HG23	2	0.12	0.01	0.12
(1,1276)	1:463:A:ILE:HG13	1:478:A:VAL:HG21	2	0.12	0.01	0.12
(1,1276)	1:463:A:ILE:HG13	1:478:A:VAL:HG22	2	0.12	0.01	0.12
(1,1276)	1:463:A:ILE:HG13	1:478:A:VAL:HG23	2	0.12	0.01	0.12
(1,1463)	1:423:A:GLN:HG2	1:426:A:MET:HG2	2	0.12	0.02	0.12
(1,1463)	1:423:A:GLN:HG2	1:426:A:MET:HG3	2	0.12	0.02	0.12
(1,1527)	1:461:A:ALA:HB1	1:464:A:GLN:HB2	2	0.12	0.01	0.12
(1,1527)	1:461:A:ALA:HB1	1:464:A:GLN:HB3	2	0.12	0.01	0.12
(1,1527)	1:461:A:ALA:HB2	1:464:A:GLN:HB2	2	0.12	0.01	0.12
(1,1527)	1:461:A:ALA:HB2	1:464:A:GLN:HB3	2	0.12	0.01	0.12
(1,1527)	1:461:A:ALA:HB3	1:464:A:GLN:HB2	2	0.12	0.01	0.12
(1,1527)	1:461:A:ALA:HB3	1:464:A:GLN:HB3	2	0.12	0.01	0.12
(1,85)	1:407:A:LEU:HA	1:481:A:LYS:H	2	0.12	0.02	0.12
(1,551)	1:404:A:GLY:H	1:405:A:ALA:HB1	2	0.12	0.01	0.12
(1,551)	1:404:A:GLY:H	1:405:A:ALA:HB2	2	0.12	0.01	0.12
(1,551)	1:404:A:GLY:H	1:405:A:ALA:HB3	2	0.12	0.01	0.12
(1,988)	1:409:A:ILE:HD11	1:449:A:GLY:H	2	0.12	0.0	0.12
(1,988)	1:409:A:ILE:HD12	1:449:A:GLY:H	2	0.12	0.0	0.12
(1,988)	1:409:A:ILE:HD13	1:449:A:GLY:H	2	0.12	0.0	0.12
(1,571)	1:464:A:GLN:HE21	1:480:A:LEU:HD11	2	0.12	0.02	0.12
(1,571)	1:464:A:GLN:HE21	1:480:A:LEU:HD12	2	0.12	0.02	0.12
(1,571)	1:464:A:GLN:HE21	1:480:A:LEU:HD13	2	0.12	0.02	0.12
(1,571)	1:464:A:GLN:HE21	1:480:A:LEU:HD21	2	0.12	0.02	0.12
(1,571)	1:464:A:GLN:HE21	1:480:A:LEU:HD22	2	0.12	0.02	0.12
(1,571)	1:464:A:GLN:HE21	1:480:A:LEU:HD23	2	0.12	0.02	0.12
(1,316)	1:474:A:LYS:HG2	1:475:A:ARG:H	2	0.12	0.0	0.12
(1,652)	1:474:A:LYS:HG2	1:475:A:ARG:H	2	0.12	0.0	0.12
(1,1389)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	2	0.12	0.0	0.12
(1,1389)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	2	0.12	0.0	0.12
(1,1389)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	2	0.12	0.0	0.12
(1,1389)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	2	0.12	0.0	0.12
(1,1389)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	2	0.12	0.0	0.12
(1,1389)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	2	0.12	0.0	0.12
(1,1580)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	2	0.12	0.0	0.12
(1,1580)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	2	0.12	0.0	0.12
(1,1580)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	2	0.12	0.0	0.12
(1,1580)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	2	0.12	0.0	0.12
(1,1580)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	2	0.12	0.0	0.12
(1,1580)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	2	0.12	0.0	0.12
(1,142)	1:410:A:TYR:H	1:411:A:HIS:HA	2	0.11	0.0	0.11
(1,442)	1:421:A:ILE:H	1:436:A:VAL:HG21	2	0.11	0.0	0.11
(1,442)	1:421:A:ILE:H	1:436:A:VAL:HG22	2	0.11	0.0	0.11

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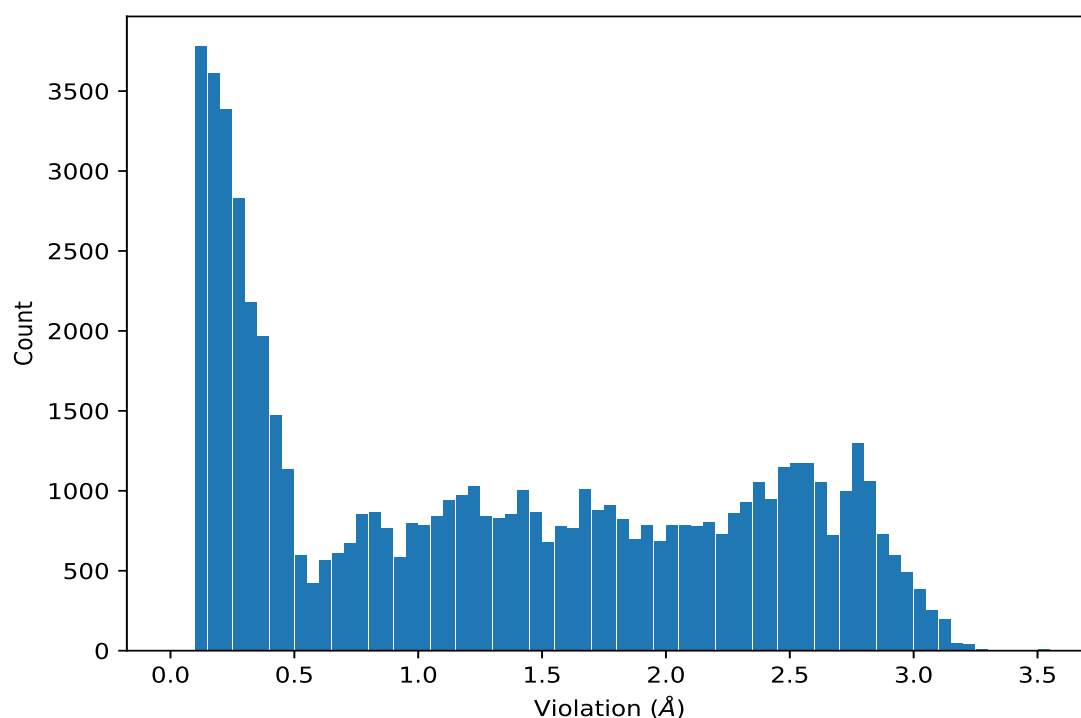
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,442)	1:421:A:ILE:H	1:436:A:VAL:HG23	2	0.11	0.0	0.11
(1,753)	1:421:A:ILE:H	1:436:A:VAL:HG21	2	0.11	0.0	0.11
(1,753)	1:421:A:ILE:H	1:436:A:VAL:HG22	2	0.11	0.0	0.11
(1,753)	1:421:A:ILE:H	1:436:A:VAL:HG23	2	0.11	0.0	0.11
(1,1001)	1:442:A:THR:HA	1:443:A:ASN:HB3	2	0.11	0.0	0.11
(1,1396)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	2	0.11	0.0	0.11
(1,1396)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	2	0.11	0.0	0.11
(1,1396)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	2	0.11	0.0	0.11
(1,1416)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	2	0.11	0.0	0.11
(1,1416)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	2	0.11	0.0	0.11
(1,1416)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	2	0.11	0.0	0.11
(1,929)	1:412:A:LEU:HD11	1:421:A:ILE:HG21	2	0.1	0.0	0.1
(1,929)	1:412:A:LEU:HD11	1:421:A:ILE:HG22	2	0.1	0.0	0.1
(1,929)	1:412:A:LEU:HD11	1:421:A:ILE:HG23	2	0.1	0.0	0.1
(1,929)	1:412:A:LEU:HD12	1:421:A:ILE:HG21	2	0.1	0.0	0.1
(1,929)	1:412:A:LEU:HD12	1:421:A:ILE:HG22	2	0.1	0.0	0.1
(1,929)	1:412:A:LEU:HD12	1:421:A:ILE:HG23	2	0.1	0.0	0.1
(1,929)	1:412:A:LEU:HD13	1:421:A:ILE:HG21	2	0.1	0.0	0.1
(1,929)	1:412:A:LEU:HD13	1:421:A:ILE:HG22	2	0.1	0.0	0.1
(1,929)	1:412:A:LEU:HD13	1:421:A:ILE:HG23	2	0.1	0.0	0.1
(1,929)	1:412:A:LEU:HD21	1:421:A:ILE:HG21	2	0.1	0.0	0.1
(1,929)	1:412:A:LEU:HD21	1:421:A:ILE:HG22	2	0.1	0.0	0.1
(1,929)	1:412:A:LEU:HD21	1:421:A:ILE:HG23	2	0.1	0.0	0.1
(1,929)	1:412:A:LEU:HD22	1:421:A:ILE:HG21	2	0.1	0.0	0.1
(1,929)	1:412:A:LEU:HD22	1:421:A:ILE:HG22	2	0.1	0.0	0.1
(1,929)	1:412:A:LEU:HD22	1:421:A:ILE:HG23	2	0.1	0.0	0.1
(1,929)	1:412:A:LEU:HD23	1:421:A:ILE:HG21	2	0.1	0.0	0.1
(1,929)	1:412:A:LEU:HD23	1:421:A:ILE:HG22	2	0.1	0.0	0.1
(1,929)	1:412:A:LEU:HD23	1:421:A:ILE:HG23	2	0.1	0.0	0.1

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints ⓘ

9.5.1 Histogram : Distribution of distance violations ⓘ

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



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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB1	7	3.52
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB2	7	3.52
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB3	7	3.52
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB1	7	3.52
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB2	7	3.52
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB3	7	3.52
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB1	7	3.52
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB2	7	3.52
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB3	7	3.52
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG2	6	3.35
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG3	6	3.35
(1,601)	1:429:A:GLY:H	1:453:A:TYR:HB2	9	3.27
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	13	3.25
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	13	3.25
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	13	3.25
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	13	3.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	13	3.25
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	13	3.25
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	13	3.25
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	13	3.25
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	13	3.25
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB1	4	3.24
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB2	4	3.24
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB3	4	3.24
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB1	4	3.24
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB2	4	3.24
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB3	4	3.24
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB1	4	3.24
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB2	4	3.24
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB3	4	3.24
(1,601)	1:429:A:GLY:H	1:453:A:TYR:HB2	7	3.22
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD2	16	3.21
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD3	16	3.21
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	11	3.21
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	11	3.21
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	11	3.21
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	11	3.21
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	11	3.21
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	11	3.21
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	11	3.21
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	11	3.21
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	11	3.21
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	12	3.2
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	12	3.2
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	12	3.2
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	12	3.2
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	12	3.2
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	12	3.2
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	12	3.2
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	12	3.2
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	12	3.2
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	20	3.2
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	20	3.2
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	20	3.2
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	20	3.2
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	20	3.2
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	20	3.2
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	20	3.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	20	3.2
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	20	3.2
(1,601)	1:429:A:GLY:H	1:453:A:TYR:HB2	11	3.19
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD1	4	3.19
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD2	4	3.19
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	7	3.18
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	7	3.18
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	7	3.18
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	7	3.18
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	7	3.18
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	7	3.18
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	7	3.18
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	7	3.18
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	7	3.18
(1,601)	1:429:A:GLY:H	1:453:A:TYR:HB2	5	3.18
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD2	18	3.17
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD3	18	3.17
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	13	3.17
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	13	3.17
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	13	3.17
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	13	3.17
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	13	3.17
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	13	3.17
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	13	3.17
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	13	3.17
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	13	3.17
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	14	3.17
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	14	3.17
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	14	3.17
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	14	3.17
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	14	3.17
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	14	3.17
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	14	3.17
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	14	3.17
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	14	3.17
(1,426)	1:442:A:THR:H	1:443:A:ASN:H	1	3.17
(1,512)	1:454:A:ASP:HB3	1:455:A:ASN:H	3	3.16
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB1	16	3.15
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB2	16	3.15
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB3	16	3.15
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB1	16	3.15
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB2	16	3.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB3	16	3.15
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB1	16	3.15
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB2	16	3.15
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB3	16	3.15
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD2	13	3.15
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD3	13	3.15
(1,775)	1:451:A:VAL:HG21	1:452:A:SER:H	3	3.14
(1,775)	1:451:A:VAL:HG22	1:452:A:SER:H	3	3.14
(1,775)	1:451:A:VAL:HG23	1:452:A:SER:H	3	3.14
(1,325)	1:451:A:VAL:HG21	1:452:A:SER:H	3	3.14
(1,325)	1:451:A:VAL:HG22	1:452:A:SER:H	3	3.14
(1,325)	1:451:A:VAL:HG23	1:452:A:SER:H	3	3.14
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	20	3.13
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	20	3.13
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	20	3.13
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	20	3.13
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	20	3.13
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	20	3.13
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	20	3.13
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	20	3.13
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	20	3.13
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	20	3.13
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	20	3.13
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	20	3.13
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD2	10	3.13
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD3	10	3.13
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD2	14	3.13
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD3	14	3.13
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	16	3.13
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	16	3.13
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	16	3.13
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	16	3.13
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	16	3.13
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	16	3.13
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	16	3.13
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	16	3.13
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	16	3.13
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	20	3.13
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	20	3.13
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	20	3.13
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	20	3.13
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	20	3.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	20	3.13
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	20	3.13
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	20	3.13
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	20	3.13
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	20	3.13
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	20	3.13
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	20	3.13
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG21	7	3.13
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG22	7	3.13
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG23	7	3.13
(1,330)	1:403:A:GLU:H	1:403:A:GLU:HB2	11	3.13
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD2	9	3.12
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD3	9	3.12
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD2	3	3.12
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD3	3	3.12
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	10	3.12
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	10	3.12
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	10	3.12
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	10	3.12
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	10	3.12
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	10	3.12
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	10	3.12
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	10	3.12
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	10	3.12
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	18	3.11
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	18	3.11
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	18	3.11
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	18	3.11
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	18	3.11
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	18	3.11
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	18	3.11
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	18	3.11
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	18	3.11
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	18	3.11
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	18	3.11
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	18	3.11
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD2	15	3.11
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD3	15	3.11
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	1	3.11
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	1	3.11
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	1	3.11
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	1	3.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	1	3.11
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	1	3.11
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	1	3.11
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	1	3.11
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	1	3.11
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	6	3.11
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	6	3.11
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	6	3.11
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	6	3.11
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	6	3.11
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	6	3.11
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	6	3.11
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	6	3.11
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	6	3.11
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	9	3.11
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	9	3.11
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	9	3.11
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	9	3.11
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	9	3.11
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	9	3.11
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	9	3.11
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	9	3.11
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	9	3.11
(1,936)	1:459:A:ALA:HB1	1:460:A:GLN:H	20	3.11
(1,936)	1:459:A:ALA:HB2	1:460:A:GLN:H	20	3.11
(1,936)	1:459:A:ALA:HB3	1:460:A:GLN:H	20	3.11
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	18	3.11
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	18	3.11
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	18	3.11
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	18	3.11
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	18	3.11
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	18	3.11
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	18	3.11
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	18	3.11
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	18	3.11
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	18	3.11
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	18	3.11
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	18	3.11
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	1	3.1
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	1	3.1
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	1	3.1
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	1	3.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	1	3.1
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	1	3.1
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	1	3.1
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	1	3.1
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	1	3.1
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	1	3.1
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	1	3.1
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	1	3.1
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	4	3.1
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	4	3.1
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	4	3.1
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	4	3.1
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	4	3.1
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	4	3.1
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	4	3.1
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	4	3.1
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	4	3.1
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	4	3.1
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	4	3.1
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	4	3.1
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	15	3.1
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	15	3.1
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	15	3.1
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	15	3.1
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	15	3.1
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	15	3.1
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	15	3.1
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	15	3.1
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	15	3.1
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	15	3.1
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	15	3.1
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	15	3.1
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD2	2	3.1
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD3	2	3.1
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD2	5	3.1
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD3	5	3.1
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD2	20	3.1
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD3	20	3.1
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	1	3.1
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	1	3.1
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	1	3.1
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	1	3.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	1	3.1
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	1	3.1
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	1	3.1
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	1	3.1
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	1	3.1
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	1	3.1
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	1	3.1
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	1	3.1
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	4	3.1
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	4	3.1
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	4	3.1
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	4	3.1
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	4	3.1
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	4	3.1
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	4	3.1
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	4	3.1
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	4	3.1
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	4	3.1
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	4	3.1
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	4	3.1
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	15	3.1
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	15	3.1
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	15	3.1
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	15	3.1
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	15	3.1
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	15	3.1
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	15	3.1
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	15	3.1
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	15	3.1
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	15	3.1
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	15	3.1
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	15	3.1
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	2	3.09
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	2	3.09
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	2	3.09
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	2	3.09
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	2	3.09
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	2	3.09
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	2	3.09
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	2	3.09
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	2	3.09
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	2	3.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	2	3.09
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	2	3.09
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD2	6	3.09
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD3	6	3.09
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	2	3.09
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	2	3.09
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	2	3.09
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	2	3.09
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	2	3.09
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	2	3.09
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	2	3.09
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	2	3.09
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	2	3.09
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	2	3.09
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	2	3.09
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	2	3.09
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD1	3	3.09
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD2	3	3.09
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	19	3.08
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	19	3.08
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	19	3.08
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	19	3.08
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	19	3.08
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	19	3.08
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	19	3.08
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	19	3.08
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	19	3.08
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	19	3.08
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	19	3.08
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	19	3.08
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD2	18	3.08
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD3	18	3.08
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	15	3.08
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	15	3.08
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	15	3.08
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	15	3.08
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	15	3.08
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	15	3.08
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	15	3.08
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	15	3.08
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	15	3.08
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD11	12	3.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD12	12	3.08
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD13	12	3.08
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	19	3.08
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	19	3.08
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	19	3.08
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	19	3.08
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	19	3.08
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	19	3.08
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	19	3.08
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	19	3.08
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	19	3.08
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	19	3.08
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	19	3.08
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	19	3.08
(1,775)	1:451:A:VAL:HG21	1:452:A:SER:H	11	3.08
(1,775)	1:451:A:VAL:HG22	1:452:A:SER:H	11	3.08
(1,775)	1:451:A:VAL:HG23	1:452:A:SER:H	11	3.08
(1,663)	1:412:A:LEU:H	1:412:A:LEU:HG	11	3.08
(1,601)	1:429:A:GLY:H	1:453:A:TYR:HB2	16	3.08
(1,325)	1:451:A:VAL:HG21	1:452:A:SER:H	11	3.08
(1,325)	1:451:A:VAL:HG22	1:452:A:SER:H	11	3.08
(1,325)	1:451:A:VAL:HG23	1:452:A:SER:H	11	3.08
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	6	3.07
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	6	3.07
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	6	3.07
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	6	3.07
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	6	3.07
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	6	3.07
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	6	3.07
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	6	3.07
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	6	3.07
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	6	3.07
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	6	3.07
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	6	3.07
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	11	3.07
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	11	3.07
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	11	3.07
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	11	3.07
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	11	3.07
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	11	3.07
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	11	3.07
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	11	3.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	11	3.07
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	11	3.07
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	11	3.07
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	11	3.07
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD2	1	3.07
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD3	1	3.07
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	3	3.07
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	3	3.07
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	3	3.07
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	3	3.07
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	3	3.07
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	3	3.07
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	3	3.07
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	3	3.07
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	3	3.07
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	5	3.07
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	5	3.07
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	5	3.07
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	5	3.07
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	5	3.07
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	5	3.07
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	5	3.07
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	5	3.07
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	5	3.07
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	11	3.07
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	11	3.07
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	11	3.07
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	11	3.07
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	11	3.07
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	11	3.07
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	11	3.07
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	11	3.07
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	11	3.07
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	6	3.07
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	6	3.07
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	6	3.07
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	6	3.07
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	6	3.07
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	6	3.07
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	6	3.07
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	6	3.07
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	6	3.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	6	3.07
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	6	3.07
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	6	3.07
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	11	3.07
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	11	3.07
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	11	3.07
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	11	3.07
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	11	3.07
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	11	3.07
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	11	3.07
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	11	3.07
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	11	3.07
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	11	3.07
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	11	3.07
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	11	3.07
(1,601)	1:429:A:GLY:H	1:453:A:TYR:HB2	17	3.07
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD2	3	3.07
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD3	3	3.07
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB1	20	3.06
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB2	20	3.06
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB3	20	3.06
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB1	20	3.06
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB2	20	3.06
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB3	20	3.06
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB1	20	3.06
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB2	20	3.06
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB3	20	3.06
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD11	11	3.06
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD12	11	3.06
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD13	11	3.06
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD21	11	3.06
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD22	11	3.06
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD23	11	3.06
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD2	16	3.06
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD3	16	3.06
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	18	3.06
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	18	3.06
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	18	3.06
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	18	3.06
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	18	3.06
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	18	3.06
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	18	3.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	18	3.06
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	18	3.06
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	4	3.06
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	4	3.06
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	4	3.06
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	4	3.06
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	4	3.06
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	4	3.06
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	4	3.06
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	4	3.06
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	4	3.06
(1,663)	1:412:A:LEU:H	1:412:A:LEU:HG	17	3.06
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	14	3.05
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	14	3.05
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	14	3.05
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	14	3.05
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	13	3.05
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	13	3.05
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	13	3.05
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	13	3.05
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	13	3.05
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	13	3.05
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	13	3.05
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	13	3.05
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	13	3.05
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	13	3.05
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	13	3.05
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	13	3.05
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD2	1	3.05
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD3	1	3.05
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD2	7	3.05
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD3	7	3.05
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD2	11	3.05
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD3	11	3.05
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD2	12	3.05
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD3	12	3.05
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	2	3.05
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	2	3.05
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	2	3.05
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	2	3.05
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	2	3.05
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	2	3.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	2	3.05
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	2	3.05
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	2	3.05
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	10	3.05
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	10	3.05
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	10	3.05
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	10	3.05
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	10	3.05
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	10	3.05
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	10	3.05
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	10	3.05
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	10	3.05
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	13	3.05
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	13	3.05
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	13	3.05
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	13	3.05
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	13	3.05
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	13	3.05
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	13	3.05
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	13	3.05
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	13	3.05
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	13	3.05
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	13	3.05
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	13	3.05
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD11	4	3.05
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD12	4	3.05
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD13	4	3.05
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD21	4	3.05
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD22	4	3.05
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD23	4	3.05
(1,330)	1:403:A:GLU:H	1:403:A:GLU:HB2	9	3.05
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD1	13	3.04
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD2	13	3.04
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	10	3.04
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	10	3.04
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	10	3.04
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	10	3.04
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	10	3.04
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	10	3.04
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	10	3.04
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	10	3.04
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	10	3.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	10	3.04
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	10	3.04
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	10	3.04
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	14	3.04
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	14	3.04
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	14	3.04
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	14	3.04
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	14	3.04
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	14	3.04
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	14	3.04
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	14	3.04
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	14	3.04
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	14	3.04
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	14	3.04
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	14	3.04
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD2	12	3.04
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD3	12	3.04
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	4	3.04
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	4	3.04
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	4	3.04
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	4	3.04
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	4	3.04
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	4	3.04
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	4	3.04
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	4	3.04
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	4	3.04
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG2	10	3.04
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG3	10	3.04
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	2	3.04
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	2	3.04
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	2	3.04
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	2	3.04
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	2	3.04
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	2	3.04
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	2	3.04
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	2	3.04
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	2	3.04
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	12	3.04
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	12	3.04
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	12	3.04
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	12	3.04
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	12	3.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	12	3.04
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	12	3.04
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	12	3.04
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	12	3.04
(1,936)	1:459:A:ALA:HB1	1:460:A:GLN:H	1	3.04
(1,936)	1:459:A:ALA:HB2	1:460:A:GLN:H	1	3.04
(1,936)	1:459:A:ALA:HB3	1:460:A:GLN:H	1	3.04
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	10	3.04
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	10	3.04
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	10	3.04
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	10	3.04
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	10	3.04
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	10	3.04
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	10	3.04
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	10	3.04
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	10	3.04
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	10	3.04
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	10	3.04
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	10	3.04
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	14	3.04
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	14	3.04
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	14	3.04
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	14	3.04
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	14	3.04
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	14	3.04
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	14	3.04
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	14	3.04
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	14	3.04
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	14	3.04
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	14	3.04
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	14	3.04
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG2	10	3.04
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG3	10	3.04
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD1	13	3.04
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD2	13	3.04
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD11	13	3.03
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD12	13	3.03
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD13	13	3.03
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	3	3.03
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	3	3.03
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	3	3.03
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	3	3.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	3	3.03
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	3	3.03
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	3	3.03
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	3	3.03
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	3	3.03
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	3	3.03
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	3	3.03
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	3	3.03
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD2	2	3.03
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD3	2	3.03
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD2	4	3.03
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD3	4	3.03
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	3	3.03
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	3	3.03
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	3	3.03
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	3	3.03
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	3	3.03
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	3	3.03
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	3	3.03
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	3	3.03
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	3	3.03
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	3	3.03
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	3	3.03
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	3	3.03
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	3	3.03
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	3	3.03
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	3	3.03
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	3	3.03
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	3	3.03
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	3	3.03
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	3	3.03
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	3	3.03
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	3	3.03
(1,601)	1:429:A:GLY:H	1:453:A:TYR:HB2	19	3.03
(1,330)	1:403:A:GLU:H	1:403:A:GLU:HB2	10	3.03
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	9	3.02
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	9	3.02
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	9	3.02
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	9	3.02
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	9	3.02
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	9	3.02
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	9	3.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	9	3.02
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	9	3.02
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	9	3.02
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	9	3.02
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	9	3.02
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	17	3.02
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	17	3.02
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	17	3.02
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	17	3.02
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	17	3.02
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	17	3.02
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	17	3.02
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	17	3.02
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	17	3.02
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	17	3.02
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	17	3.02
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	17	3.02
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD2	13	3.02
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD3	13	3.02
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	18	3.02
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	18	3.02
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	18	3.02
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	18	3.02
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	18	3.02
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	18	3.02
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	18	3.02
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	18	3.02
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	18	3.02
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	9	3.02
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	9	3.02
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	9	3.02
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	9	3.02
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	9	3.02
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	9	3.02
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	9	3.02
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	9	3.02
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	9	3.02
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	9	3.02
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	9	3.02
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	9	3.02
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	17	3.02
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	17	3.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	17	3.02
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	17	3.02
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	17	3.02
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	17	3.02
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	17	3.02
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	17	3.02
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	17	3.02
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	17	3.02
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	17	3.02
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	17	3.02
(1,775)	1:451:A:VAL:HG21	1:452:A:SER:H	9	3.02
(1,775)	1:451:A:VAL:HG22	1:452:A:SER:H	9	3.02
(1,775)	1:451:A:VAL:HG23	1:452:A:SER:H	9	3.02
(1,601)	1:429:A:GLY:H	1:453:A:TYR:HB2	3	3.02
(1,330)	1:403:A:GLU:H	1:403:A:GLU:HB2	17	3.02
(1,325)	1:451:A:VAL:HG21	1:452:A:SER:H	9	3.02
(1,325)	1:451:A:VAL:HG22	1:452:A:SER:H	9	3.02
(1,325)	1:451:A:VAL:HG23	1:452:A:SER:H	9	3.02
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD11	2	3.01
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD12	2	3.01
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD13	2	3.01
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	17	3.01
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	17	3.01
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	17	3.01
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	17	3.01
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	17	3.01
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	17	3.01
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	17	3.01
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	17	3.01
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	17	3.01
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	3	3.01
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	3	3.01
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	3	3.01
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	3	3.01
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	3	3.01
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	3	3.01
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	4	3.01
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	4	3.01
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	4	3.01
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	4	3.01
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	4	3.01
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	4	3.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	11	3.01
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	11	3.01
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	11	3.01
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	11	3.01
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	11	3.01
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	11	3.01
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	11	3.01
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	11	3.01
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	11	3.01
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	11	3.01
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	11	3.01
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	11	3.01
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	11	3.01
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	11	3.01
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	11	3.01
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	11	3.01
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	11	3.01
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	11	3.01
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	5	3.01
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	5	3.01
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	5	3.01
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	5	3.01
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	5	3.01
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	5	3.01
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	5	3.01
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	5	3.01
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	5	3.01
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	5	3.01
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	5	3.01
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	5	3.01
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	8	3.01
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	8	3.01
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	8	3.01
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	8	3.01
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	8	3.01
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	8	3.01
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	8	3.01
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	8	3.01
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	8	3.01
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	8	3.01
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	8	3.01
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	8	3.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD2	19	3.01
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD3	19	3.01
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	17	3.01
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	17	3.01
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	17	3.01
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	17	3.01
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	17	3.01
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	17	3.01
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	17	3.01
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	17	3.01
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	17	3.01
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	1	3.01
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	1	3.01
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	1	3.01
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	1	3.01
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	1	3.01
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	1	3.01
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	1	3.01
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	1	3.01
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	1	3.01
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	14	3.01
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	14	3.01
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	14	3.01
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	14	3.01
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	14	3.01
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	14	3.01
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	14	3.01
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	14	3.01
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	14	3.01
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	19	3.01
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	19	3.01
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	19	3.01
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	19	3.01
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	19	3.01
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	19	3.01
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	19	3.01
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	19	3.01
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	19	3.01
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	5	3.01
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	5	3.01
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	5	3.01
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	5	3.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	5	3.01
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	5	3.01
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	5	3.01
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	5	3.01
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	5	3.01
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	5	3.01
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	5	3.01
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	5	3.01
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	8	3.01
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	8	3.01
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	8	3.01
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	8	3.01
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	8	3.01
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	8	3.01
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	8	3.01
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	8	3.01
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	8	3.01
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	8	3.01
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	8	3.01
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	8	3.01
(1,663)	1:412:A:LEU:H	1:412:A:LEU:HG	19	3.01
(1,601)	1:429:A:GLY:H	1:453:A:TYR:HB2	1	3.01
(1,426)	1:442:A:THR:H	1:443:A:ASN:H	14	3.01
(1,330)	1:403:A:GLU:H	1:403:A:GLU:HB2	2	3.01
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD1	7	3.01
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD2	7	3.01
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD2	16	3.01
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD3	16	3.01
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	10	3.0
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	10	3.0
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	10	3.0
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	10	3.0
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	10	3.0
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	10	3.0
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD1	5	3.0
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD2	5	3.0
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	16	3.0
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	16	3.0
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	16	3.0
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	16	3.0
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	16	3.0
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	16	3.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	16	3.0
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	16	3.0
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	16	3.0
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	16	3.0
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	16	3.0
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	16	3.0
(1,1229)	1:455:A:ASN:HA	1:456:A:PRO:HD2	7	3.0
(1,1229)	1:455:A:ASN:HA	1:456:A:PRO:HD2	15	3.0
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD2	11	3.0
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD3	11	3.0
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	8	3.0
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	8	3.0
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	8	3.0
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	8	3.0
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	8	3.0
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	8	3.0
(1,936)	1:459:A:ALA:HB1	1:460:A:GLN:H	16	3.0
(1,936)	1:459:A:ALA:HB2	1:460:A:GLN:H	16	3.0
(1,936)	1:459:A:ALA:HB3	1:460:A:GLN:H	16	3.0
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	16	3.0
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	16	3.0
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	16	3.0
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	16	3.0
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	16	3.0
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	16	3.0
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	16	3.0
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	16	3.0
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	16	3.0
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	16	3.0
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	16	3.0
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	16	3.0
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD2	7	3.0
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD3	7	3.0
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD1	5	3.0
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD2	5	3.0
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD2	2	2.99
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD3	2	2.99
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	12	2.99
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	12	2.99
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	12	2.99
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	12	2.99
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	12	2.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	12	2.99
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	12	2.99
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	12	2.99
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	12	2.99
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	12	2.99
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	12	2.99
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	12	2.99
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG2	5	2.99
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG3	5	2.99
(1,1058)	1:409:A:ILE:HA	1:410:A:TYR:H	13	2.99
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	20	2.99
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	20	2.99
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	20	2.99
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	20	2.99
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	20	2.99
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	20	2.99
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	20	2.99
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	20	2.99
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	20	2.99
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	12	2.99
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	12	2.99
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	12	2.99
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	12	2.99
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	12	2.99
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	12	2.99
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	12	2.99
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	12	2.99
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	12	2.99
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	12	2.99
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	12	2.99
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	12	2.99
(1,663)	1:412:A:LEU:H	1:412:A:LEU:HG	5	2.99
(1,663)	1:412:A:LEU:H	1:412:A:LEU:HG	15	2.99
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG2	5	2.99
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG3	5	2.99
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD2	6	2.99
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD3	6	2.99
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	1	2.98
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	1	2.98
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	1	2.98
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	1	2.98
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	1	2.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	1	2.98
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	14	2.98
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	14	2.98
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	14	2.98
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	14	2.98
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	14	2.98
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	14	2.98
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	14	2.98
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	14	2.98
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	14	2.98
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	14	2.98
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	14	2.98
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	14	2.98
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	14	2.98
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	14	2.98
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	14	2.98
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	14	2.98
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	14	2.98
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	14	2.98
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	7	2.98
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	7	2.98
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	7	2.98
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	7	2.98
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	7	2.98
(1,1261)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	7	2.98
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	7	2.98
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	7	2.98
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	7	2.98
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	7	2.98
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	7	2.98
(1,1261)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	7	2.98
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD2	17	2.98
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD3	17	2.98
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD2	19	2.98
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD3	19	2.98
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG2	1	2.98
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG3	1	2.98
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG2	1	2.98
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG3	1	2.98
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG2	1	2.98
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG3	1	2.98
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD11	12	2.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD12	12	2.98
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD13	12	2.98
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD11	7	2.98
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD12	7	2.98
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD13	7	2.98
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD21	7	2.98
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD22	7	2.98
(1,882)	1:480:A:LEU:HB2	1:480:A:LEU:HD23	7	2.98
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD11	7	2.98
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD12	7	2.98
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD13	7	2.98
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD21	7	2.98
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD22	7	2.98
(1,882)	1:480:A:LEU:HB3	1:480:A:LEU:HD23	7	2.98
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG21	6	2.98
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG22	6	2.98
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG23	6	2.98
(1,310)	1:475:A:ARG:H	1:475:A:ARG:HD2	7	2.98
(1,120)	1:473:A:MET:H	1:473:A:MET:HG3	16	2.98
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD2	8	2.98
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD3	8	2.98
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG2	18	2.97
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG3	18	2.97
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG2	18	2.97
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG3	18	2.97
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	18	2.97
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	18	2.97
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	18	2.97
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	18	2.97
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	19	2.97
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	19	2.97
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	19	2.97
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	19	2.97
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE2	7	2.97
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE3	7	2.97
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE2	7	2.97
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE3	7	2.97
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	18	2.97
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	18	2.97
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	18	2.97
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	18	2.97
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	19	2.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	19	2.97
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	19	2.97
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	19	2.97
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD2	10	2.97
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD3	10	2.97
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	8	2.97
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	8	2.97
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	8	2.97
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	8	2.97
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	8	2.97
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	8	2.97
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	8	2.97
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	8	2.97
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	8	2.97
(1,1058)	1:409:A:ILE:HA	1:410:A:TYR:H	6	2.97
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD11	7	2.97
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD12	7	2.97
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD13	7	2.97
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	7	2.97
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	7	2.97
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	7	2.97
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	7	2.97
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	7	2.97
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	7	2.97
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	7	2.97
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	7	2.97
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	7	2.97
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	17	2.97
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	17	2.97
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	17	2.97
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	17	2.97
(1,663)	1:412:A:LEU:H	1:412:A:LEU:HG	6	2.97
(1,330)	1:403:A:GLU:H	1:403:A:GLU:HB2	18	2.97
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG2	15	2.96
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG3	15	2.96
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG2	15	2.96
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG3	15	2.96
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	20	2.96
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	20	2.96
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	20	2.96
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	20	2.96
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	1	2.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	1	2.96
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	1	2.96
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	1	2.96
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE2	1	2.96
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE3	1	2.96
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE2	1	2.96
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE3	1	2.96
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE2	12	2.96
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE3	12	2.96
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE2	12	2.96
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE3	12	2.96
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE2	19	2.96
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE3	19	2.96
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE2	19	2.96
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE3	19	2.96
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	4	2.96
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	4	2.96
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	4	2.96
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	4	2.96
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	9	2.96
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	9	2.96
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	9	2.96
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	9	2.96
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	4	2.96
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	4	2.96
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	4	2.96
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	4	2.96
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	4	2.96
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	4	2.96
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	4	2.96
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	4	2.96
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	4	2.96
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	4	2.96
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	4	2.96
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	4	2.96
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	4	2.96
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	4	2.96
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	4	2.96
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	4	2.96
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	4	2.96
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	4	2.96
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	7	2.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	7	2.96
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	7	2.96
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	7	2.96
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	7	2.96
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	7	2.96
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	7	2.96
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	7	2.96
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	7	2.96
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	7	2.96
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	7	2.96
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	7	2.96
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	7	2.96
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	7	2.96
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	7	2.96
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	7	2.96
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	7	2.96
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	7	2.96
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	20	2.96
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	20	2.96
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	20	2.96
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	20	2.96
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	10	2.96
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	10	2.96
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	10	2.96
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	10	2.96
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	10	2.96
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	10	2.96
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG2	10	2.96
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG3	10	2.96
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG2	10	2.96
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG3	10	2.96
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG2	13	2.96
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG3	13	2.96
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG2	13	2.96
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG3	13	2.96
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	19	2.96
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	19	2.96
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	19	2.96
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	19	2.96
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	19	2.96
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	19	2.96
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	19	2.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	19	2.96
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	19	2.96
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	15	2.96
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	15	2.96
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	15	2.96
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	15	2.96
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	15	2.96
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	15	2.96
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	15	2.96
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	15	2.96
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	15	2.96
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	16	2.96
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	16	2.96
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	16	2.96
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	16	2.96
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	16	2.96
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	16	2.96
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	16	2.96
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	16	2.96
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	16	2.96
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	10	2.96
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	10	2.96
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	10	2.96
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	10	2.96
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	10	2.96
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	10	2.96
(1,936)	1:459:A:ALA:HB1	1:460:A:GLN:H	6	2.96
(1,936)	1:459:A:ALA:HB2	1:460:A:GLN:H	6	2.96
(1,936)	1:459:A:ALA:HB3	1:460:A:GLN:H	6	2.96
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	4	2.96
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	4	2.96
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	4	2.96
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	4	2.96
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	9	2.96
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	9	2.96
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	9	2.96
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	9	2.96
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG2	6	2.96
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG3	6	2.96
(1,533)	1:417:A:GLY:H	1:420:A:ASP:HB3	19	2.96
(1,330)	1:403:A:GLU:H	1:403:A:GLU:HB2	16	2.96
(1,254)	1:434:A:ALA:HA	1:435:A:LYS:H	4	2.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD2	7	2.96
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD3	7	2.96
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	2	2.95
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	2	2.95
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	2	2.95
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	2	2.95
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	2	2.95
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	2	2.95
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	5	2.95
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	5	2.95
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	5	2.95
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	5	2.95
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG2	2	2.95
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG3	2	2.95
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG2	2	2.95
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG3	2	2.95
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG2	3	2.95
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG3	3	2.95
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG2	3	2.95
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG3	3	2.95
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG2	5	2.95
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG3	5	2.95
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG2	5	2.95
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG3	5	2.95
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG2	6	2.95
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG3	6	2.95
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG2	6	2.95
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG3	6	2.95
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG2	10	2.95
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG3	10	2.95
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG2	10	2.95
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG3	10	2.95
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG2	13	2.95
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG3	13	2.95
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG2	13	2.95
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG3	13	2.95
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG2	16	2.95
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG3	16	2.95
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG2	16	2.95
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG3	16	2.95
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	6	2.95
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	6	2.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	6	2.95
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	6	2.95
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	9	2.95
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	9	2.95
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	9	2.95
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	9	2.95
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG21	9	2.95
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG22	9	2.95
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG23	9	2.95
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG21	9	2.95
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG22	9	2.95
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG23	9	2.95
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE2	2	2.95
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE3	2	2.95
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE2	2	2.95
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE3	2	2.95
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE2	11	2.95
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE3	11	2.95
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE2	11	2.95
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE3	11	2.95
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE2	20	2.95
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE3	20	2.95
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE2	20	2.95
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE3	20	2.95
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	8	2.95
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	8	2.95
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	8	2.95
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	8	2.95
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	10	2.95
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	10	2.95
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	10	2.95
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	10	2.95
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB1	19	2.95
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB2	19	2.95
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB3	19	2.95
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB1	19	2.95
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB2	19	2.95
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB3	19	2.95
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB1	19	2.95
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB2	19	2.95
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB3	19	2.95
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB1	19	2.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB2	19	2.95
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB3	19	2.95
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB1	19	2.95
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB2	19	2.95
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB3	19	2.95
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB1	19	2.95
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB2	19	2.95
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB3	19	2.95
(1,1229)	1:455:A:ASN:HA	1:456:A:PRO:HD2	16	2.95
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	6	2.95
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	6	2.95
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	6	2.95
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	6	2.95
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	9	2.95
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	9	2.95
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	9	2.95
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	9	2.95
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG2	2	2.95
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG3	2	2.95
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG2	2	2.95
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG3	2	2.95
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG2	5	2.95
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG3	5	2.95
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG2	5	2.95
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG3	5	2.95
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG2	6	2.95
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG3	6	2.95
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG2	6	2.95
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG3	6	2.95
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG2	11	2.95
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG3	11	2.95
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG2	11	2.95
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG3	11	2.95
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG2	14	2.95
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG3	14	2.95
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG2	14	2.95
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG3	14	2.95
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG2	15	2.95
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG3	15	2.95
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG2	15	2.95
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG3	15	2.95
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG2	20	2.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG3	20	2.95
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG2	20	2.95
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG3	20	2.95
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	4	2.95
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	4	2.95
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	4	2.95
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	4	2.95
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	9	2.95
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	9	2.95
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	9	2.95
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	9	2.95
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD11	17	2.95
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD12	17	2.95
(1,1072)	1:432:A:ILE:HG21	1:432:A:ILE:HD13	17	2.95
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD11	17	2.95
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD12	17	2.95
(1,1072)	1:432:A:ILE:HG22	1:432:A:ILE:HD13	17	2.95
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD11	17	2.95
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD12	17	2.95
(1,1072)	1:432:A:ILE:HG23	1:432:A:ILE:HD13	17	2.95
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG2	2	2.95
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG3	2	2.95
(1,1058)	1:409:A:ILE:HA	1:410:A:TYR:H	1	2.95
(1,1058)	1:409:A:ILE:HA	1:410:A:TYR:H	3	2.95
(1,1058)	1:409:A:ILE:HA	1:410:A:TYR:H	5	2.95
(1,1058)	1:409:A:ILE:HA	1:410:A:TYR:H	16	2.95
(1,1058)	1:409:A:ILE:HA	1:410:A:TYR:H	18	2.95
(1,1053)	1:400:A:GLU:H	1:400:A:GLU:HG2	1	2.95
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	5	2.95
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	5	2.95
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	5	2.95
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	5	2.95
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	5	2.95
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	5	2.95
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	5	2.95
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	5	2.95
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	5	2.95
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	8	2.95
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	8	2.95
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	8	2.95
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	8	2.95
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	10	2.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	10	2.95
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	10	2.95
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	10	2.95
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	10	2.95
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	10	2.95
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	10	2.95
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	10	2.95
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	12	2.95
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	12	2.95
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	12	2.95
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	12	2.95
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	12	2.95
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	12	2.95
(1,601)	1:429:A:GLY:H	1:453:A:TYR:HB2	10	2.95
(1,601)	1:429:A:GLY:H	1:453:A:TYR:HB2	20	2.95
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG2	2	2.95
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG3	2	2.95
(1,239)	1:400:A:GLU:H	1:400:A:GLU:HG2	1	2.95
(1,88)	1:481:A:LYS:H	1:481:A:LYS:HB3	16	2.95
(1,73)	1:414:A:GLN:H	1:414:A:GLN:HB3	11	2.95
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD2	2	2.95
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD3	2	2.95
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD1	7	2.94
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD2	7	2.94
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD1	8	2.94
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD2	8	2.94
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD1	8	2.94
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD2	8	2.94
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG2	1	2.94
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG3	1	2.94
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG2	1	2.94
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG3	1	2.94
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG2	4	2.94
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG3	4	2.94
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG2	4	2.94
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG3	4	2.94
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG2	7	2.94
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG3	7	2.94
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG2	7	2.94
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG3	7	2.94
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG2	12	2.94
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG3	12	2.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG2	12	2.94
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG3	12	2.94
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG2	14	2.94
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG3	14	2.94
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG2	14	2.94
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG3	14	2.94
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG2	19	2.94
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG3	19	2.94
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG2	19	2.94
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG3	19	2.94
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	3	2.94
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	3	2.94
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	3	2.94
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	3	2.94
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	11	2.94
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	11	2.94
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	11	2.94
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	11	2.94
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	12	2.94
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	12	2.94
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	12	2.94
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	12	2.94
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	15	2.94
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	15	2.94
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	15	2.94
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	15	2.94
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	17	2.94
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	17	2.94
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	17	2.94
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	17	2.94
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD11	10	2.94
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD12	10	2.94
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD13	10	2.94
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	8	2.94
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	8	2.94
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	8	2.94
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	8	2.94
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	8	2.94
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	8	2.94
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	8	2.94
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	8	2.94
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	8	2.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	15	2.94
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	15	2.94
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	15	2.94
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	15	2.94
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	15	2.94
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	15	2.94
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	15	2.94
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	15	2.94
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	15	2.94
(1,1229)	1:455:A:ASN:HA	1:456:A:PRO:HD2	1	2.94
(1,1229)	1:455:A:ASN:HA	1:456:A:PRO:HD2	2	2.94
(1,1229)	1:455:A:ASN:HA	1:456:A:PRO:HD2	10	2.94
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	3	2.94
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	3	2.94
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	3	2.94
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	3	2.94
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	11	2.94
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	11	2.94
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	11	2.94
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	11	2.94
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	12	2.94
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	12	2.94
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	12	2.94
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	12	2.94
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	15	2.94
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	15	2.94
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	15	2.94
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	15	2.94
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	17	2.94
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	17	2.94
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	17	2.94
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	17	2.94
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB2	7	2.94
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB3	7	2.94
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG2	3	2.94
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG3	3	2.94
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG2	3	2.94
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG3	3	2.94
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG2	4	2.94
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG3	4	2.94
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG2	4	2.94
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG3	4	2.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG2	17	2.94
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG3	17	2.94
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG2	17	2.94
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG3	17	2.94
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG2	19	2.94
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG3	19	2.94
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG2	19	2.94
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG3	19	2.94
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	15	2.94
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	15	2.94
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	15	2.94
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	15	2.94
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	16	2.94
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	16	2.94
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	16	2.94
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	16	2.94
(1,1058)	1:409:A:ILE:HA	1:410:A:TYR:H	20	2.94
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	8	2.94
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	8	2.94
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	8	2.94
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	8	2.94
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	8	2.94
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	8	2.94
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	8	2.94
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	8	2.94
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	8	2.94
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	15	2.94
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	15	2.94
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	15	2.94
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	15	2.94
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	15	2.94
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	15	2.94
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	15	2.94
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	15	2.94
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	15	2.94
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	6	2.94
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	6	2.94
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	6	2.94
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	6	2.94
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	6	2.94
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	6	2.94
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	6	2.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	6	2.94
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	6	2.94
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	11	2.94
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	11	2.94
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	11	2.94
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	11	2.94
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD2	4	2.94
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD3	4	2.94
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	5	2.94
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	5	2.94
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	5	2.94
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	5	2.94
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	5	2.94
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	5	2.94
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	5	2.94
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	5	2.94
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	5	2.94
(1,775)	1:451:A:VAL:HG21	1:452:A:SER:H	8	2.94
(1,775)	1:451:A:VAL:HG22	1:452:A:SER:H	8	2.94
(1,775)	1:451:A:VAL:HG23	1:452:A:SER:H	8	2.94
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG21	5	2.94
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG22	5	2.94
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG23	5	2.94
(1,663)	1:412:A:LEU:H	1:412:A:LEU:HG	1	2.94
(1,663)	1:412:A:LEU:H	1:412:A:LEU:HG	14	2.94
(1,601)	1:429:A:GLY:H	1:453:A:TYR:HB2	4	2.94
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD1	7	2.94
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD2	7	2.94
(1,330)	1:403:A:GLU:H	1:403:A:GLU:HB2	5	2.94
(1,325)	1:451:A:VAL:HG21	1:452:A:SER:H	8	2.94
(1,325)	1:451:A:VAL:HG22	1:452:A:SER:H	8	2.94
(1,325)	1:451:A:VAL:HG23	1:452:A:SER:H	8	2.94
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB2	7	2.94
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB3	7	2.94
(1,135)	1:422:A:LEU:H	1:422:A:LEU:HB3	7	2.94
(1,73)	1:414:A:GLN:H	1:414:A:GLN:HB3	1	2.94
(1,73)	1:414:A:GLN:H	1:414:A:GLN:HB3	8	2.94
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	6	2.93
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	6	2.93
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	6	2.93
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	6	2.93
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG2	8	2.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG3	8	2.93
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG2	8	2.93
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG3	8	2.93
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG2	11	2.93
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG3	11	2.93
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG2	11	2.93
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG3	11	2.93
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG2	20	2.93
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG3	20	2.93
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG2	20	2.93
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG3	20	2.93
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	8	2.93
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	8	2.93
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	8	2.93
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	8	2.93
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	7	2.93
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	7	2.93
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	7	2.93
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	7	2.93
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	7	2.93
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	7	2.93
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	7	2.93
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	7	2.93
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	7	2.93
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE2	5	2.93
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE3	5	2.93
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE2	5	2.93
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE3	5	2.93
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	19	2.93
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	19	2.93
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	19	2.93
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	19	2.93
(1,1229)	1:455:A:ASN:HA	1:456:A:PRO:HD2	4	2.93
(1,1229)	1:455:A:ASN:HA	1:456:A:PRO:HD2	5	2.93
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	8	2.93
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	8	2.93
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	8	2.93
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	8	2.93
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG2	7	2.93
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG3	7	2.93
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG2	7	2.93
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG3	7	2.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG2	8	2.93
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG3	8	2.93
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG2	8	2.93
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG3	8	2.93
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG2	9	2.93
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG3	9	2.93
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG2	9	2.93
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG3	9	2.93
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG2	16	2.93
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG3	16	2.93
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG2	16	2.93
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG3	16	2.93
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	3	2.93
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	3	2.93
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	3	2.93
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	3	2.93
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	5	2.93
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	5	2.93
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	5	2.93
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	5	2.93
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	8	2.93
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	8	2.93
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	8	2.93
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	8	2.93
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB1	12	2.93
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB2	12	2.93
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB3	12	2.93
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	19	2.93
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	19	2.93
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	19	2.93
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	19	2.93
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	13	2.93
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	13	2.93
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	13	2.93
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	13	2.93
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG21	18	2.93
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG22	18	2.93
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG23	18	2.93
(1,601)	1:429:A:GLY:H	1:453:A:TYR:HB2	13	2.93
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG21	17	2.93
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG22	17	2.93
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG23	17	2.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,230)	1:437:A:PHE:HA	1:438:A:ILE:H	20	2.93
(1,182)	1:422:A:LEU:H	1:422:A:LEU:HB2	9	2.93
(1,120)	1:473:A:MET:H	1:473:A:MET:HG3	20	2.93
(1,88)	1:481:A:LYS:H	1:481:A:LYS:HB3	12	2.93
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	7	2.92
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	7	2.92
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	7	2.92
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	7	2.92
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	9	2.92
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	9	2.92
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	9	2.92
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	9	2.92
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	11	2.92
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	11	2.92
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	11	2.92
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	11	2.92
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	17	2.92
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	17	2.92
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	17	2.92
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	17	2.92
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	18	2.92
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	18	2.92
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	18	2.92
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	18	2.92
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG2	9	2.92
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG3	9	2.92
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG2	9	2.92
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG3	9	2.92
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG2	17	2.92
(1,1486)	1:424:A:MET:HB2	1:424:A:MET:HG3	17	2.92
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG2	17	2.92
(1,1486)	1:424:A:MET:HB3	1:424:A:MET:HG3	17	2.92
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD1	20	2.92
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD2	20	2.92
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD11	1	2.92
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD12	1	2.92
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD13	1	2.92
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG21	17	2.92
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG22	17	2.92
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG23	17	2.92
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG21	17	2.92
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG22	17	2.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG23	17	2.92
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	3	2.92
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	3	2.92
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	3	2.92
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	3	2.92
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	3	2.92
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	3	2.92
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	3	2.92
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	3	2.92
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	3	2.92
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	11	2.92
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	11	2.92
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	11	2.92
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	11	2.92
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	11	2.92
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	11	2.92
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	11	2.92
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	11	2.92
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	11	2.92
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE2	16	2.92
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE3	16	2.92
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE2	16	2.92
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE3	16	2.92
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	13	2.92
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	13	2.92
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	13	2.92
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	13	2.92
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	2	2.92
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	2	2.92
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	2	2.92
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	2	2.92
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	2	2.92
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	2	2.92
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	14	2.92
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	14	2.92
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	14	2.92
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	14	2.92
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	14	2.92
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	14	2.92
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG2	12	2.92
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG3	12	2.92
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG2	12	2.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG3	12	2.92
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	1	2.92
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	1	2.92
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	1	2.92
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	1	2.92
(1,1058)	1:409:A:ILE:HA	1:410:A:TYR:H	7	2.92
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	3	2.92
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	3	2.92
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	3	2.92
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	3	2.92
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	3	2.92
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	3	2.92
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	3	2.92
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	3	2.92
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	3	2.92
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	11	2.92
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	11	2.92
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	11	2.92
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	11	2.92
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	11	2.92
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	11	2.92
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	11	2.92
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	11	2.92
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	11	2.92
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	9	2.92
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	9	2.92
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	9	2.92
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	9	2.92
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	9	2.92
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	9	2.92
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	2	2.92
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	2	2.92
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	2	2.92
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	2	2.92
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	2	2.92
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	2	2.92
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	14	2.92
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	14	2.92
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	14	2.92
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	14	2.92
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	14	2.92
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	14	2.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,936)	1:459:A:ALA:HB1	1:460:A:GLN:H	4	2.92
(1,936)	1:459:A:ALA:HB2	1:460:A:GLN:H	4	2.92
(1,936)	1:459:A:ALA:HB3	1:460:A:GLN:H	4	2.92
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	13	2.92
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	13	2.92
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	13	2.92
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	13	2.92
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	1	2.92
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	1	2.92
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	1	2.92
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	1	2.92
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	7	2.92
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	7	2.92
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	7	2.92
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	7	2.92
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	9	2.92
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	9	2.92
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	9	2.92
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	9	2.92
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG21	2	2.92
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG22	2	2.92
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG23	2	2.92
(1,663)	1:412:A:LEU:H	1:412:A:LEU:HG	10	2.92
(1,73)	1:414:A:GLN:H	1:414:A:GLN:HB3	7	2.92
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD1	15	2.92
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD2	15	2.92
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	2	2.91
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	2	2.91
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	2	2.91
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	2	2.91
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	16	2.91
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	16	2.91
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	16	2.91
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	16	2.91
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE2	13	2.91
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE3	13	2.91
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE2	13	2.91
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE3	13	2.91
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	2	2.91
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	2	2.91
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	2	2.91
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	2	2.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	2	2.91
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	2	2.91
(1,1229)	1:455:A:ASN:HA	1:456:A:PRO:HD2	14	2.91
(1,1229)	1:455:A:ASN:HA	1:456:A:PRO:HD2	17	2.91
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	7	2.91
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	7	2.91
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	7	2.91
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	7	2.91
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	7	2.91
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	7	2.91
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	7	2.91
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	7	2.91
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	7	2.91
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	7	2.91
(1,1058)	1:409:A:ILE:HA	1:410:A:TYR:H	10	2.91
(1,1058)	1:409:A:ILE:HA	1:410:A:TYR:H	14	2.91
(1,1058)	1:409:A:ILE:HA	1:410:A:TYR:H	19	2.91
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	9	2.91
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	9	2.91
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	9	2.91
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	9	2.91
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	9	2.91
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	9	2.91
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	7	2.91
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	7	2.91
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	7	2.91
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	7	2.91
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	7	2.91
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	7	2.91
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	18	2.91
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	18	2.91
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	18	2.91
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	18	2.91
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	18	2.91
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	18	2.91
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	18	2.91
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	18	2.91
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	18	2.91
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG21	1	2.91
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG22	1	2.91
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG23	1	2.91
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG21	15	2.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG22	15	2.91
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG23	15	2.91
(1,663)	1:412:A:LEU:H	1:412:A:LEU:HG	18	2.91
(1,601)	1:429:A:GLY:H	1:453:A:TYR:HB2	8	2.91
(1,601)	1:429:A:GLY:H	1:453:A:TYR:HB2	15	2.91
(1,230)	1:437:A:PHE:HA	1:438:A:ILE:H	6	2.91
(1,120)	1:473:A:MET:H	1:473:A:MET:HG3	17	2.91
(1,73)	1:414:A:GLN:H	1:414:A:GLN:HB3	18	2.91
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD2	13	2.91
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD3	13	2.91
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	20	2.9
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	20	2.9
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	20	2.9
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	20	2.9
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	20	2.9
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	20	2.9
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	20	2.9
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	20	2.9
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	20	2.9
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	12	2.9
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	12	2.9
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	12	2.9
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	12	2.9
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	12	2.9
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	12	2.9
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	15	2.9
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	15	2.9
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	15	2.9
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	15	2.9
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	15	2.9
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	15	2.9
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	15	2.9
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	15	2.9
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	15	2.9
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	15	2.9
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	15	2.9
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	15	2.9
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	15	2.9
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	15	2.9
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	15	2.9
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	15	2.9
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	15	2.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	15	2.9
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD2	7	2.9
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD3	7	2.9
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	5	2.9
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	5	2.9
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	5	2.9
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	5	2.9
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	5	2.9
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	5	2.9
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	12	2.9
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	12	2.9
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	12	2.9
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	12	2.9
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	12	2.9
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	12	2.9
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG2	18	2.9
(1,1149)	1:426:A:MET:HB2	1:426:A:MET:HG3	18	2.9
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG2	18	2.9
(1,1149)	1:426:A:MET:HB3	1:426:A:MET:HG3	18	2.9
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	6	2.9
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	6	2.9
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	6	2.9
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	6	2.9
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD1	6	2.9
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD2	6	2.9
(1,1058)	1:409:A:ILE:HA	1:410:A:TYR:H	4	2.9
(1,1058)	1:409:A:ILE:HA	1:410:A:TYR:H	12	2.9
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	20	2.9
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	20	2.9
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	20	2.9
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	20	2.9
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	20	2.9
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	20	2.9
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	20	2.9
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	20	2.9
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	20	2.9
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	17	2.9
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	17	2.9
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	17	2.9
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	17	2.9
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	17	2.9
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	17	2.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	8	2.9
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	8	2.9
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	8	2.9
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	8	2.9
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	8	2.9
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	8	2.9
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	5	2.9
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	5	2.9
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	5	2.9
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	5	2.9
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	5	2.9
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	5	2.9
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	12	2.9
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	12	2.9
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	12	2.9
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	12	2.9
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	12	2.9
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	12	2.9
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG11	8	2.9
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG12	8	2.9
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG13	8	2.9
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG21	8	2.9
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG22	8	2.9
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG23	8	2.9
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG21	12	2.9
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG22	12	2.9
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG23	12	2.9
(1,254)	1:434:A:ALA:HA	1:435:A:LYS:H	7	2.9
(1,254)	1:434:A:ALA:HA	1:435:A:LYS:H	10	2.9
(1,254)	1:434:A:ALA:HA	1:435:A:LYS:H	17	2.9
(1,230)	1:437:A:PHE:HA	1:438:A:ILE:H	12	2.9
(1,73)	1:414:A:GLN:H	1:414:A:GLN:HB3	5	2.9
(1,46)	1:439:A:ASP:H	1:439:A:ASP:HB2	6	2.9
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG2	17	2.89
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG3	17	2.89
(1,1229)	1:455:A:ASN:HA	1:456:A:PRO:HD2	8	2.89
(1,1229)	1:455:A:ASN:HA	1:456:A:PRO:HD2	19	2.89
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	1	2.89
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	1	2.89
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	1	2.89
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	1	2.89
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	1	2.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	1	2.89
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	6	2.89
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	6	2.89
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	6	2.89
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	6	2.89
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	6	2.89
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	6	2.89
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	13	2.89
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	13	2.89
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	13	2.89
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	13	2.89
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	13	2.89
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	13	2.89
(1,1058)	1:409:A:ILE:HA	1:410:A:TYR:H	8	2.89
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	1	2.89
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	1	2.89
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	1	2.89
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	1	2.89
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	1	2.89
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	1	2.89
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	6	2.89
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	6	2.89
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	6	2.89
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	6	2.89
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	6	2.89
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	6	2.89
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	13	2.89
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	13	2.89
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	13	2.89
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	13	2.89
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	13	2.89
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	13	2.89
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	8	2.89
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	8	2.89
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	8	2.89
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	8	2.89
(1,775)	1:451:A:VAL:HG21	1:452:A:SER:H	16	2.89
(1,775)	1:451:A:VAL:HG22	1:452:A:SER:H	16	2.89
(1,775)	1:451:A:VAL:HG23	1:452:A:SER:H	16	2.89
(1,775)	1:451:A:VAL:HG21	1:452:A:SER:H	20	2.89
(1,775)	1:451:A:VAL:HG22	1:452:A:SER:H	20	2.89
(1,775)	1:451:A:VAL:HG23	1:452:A:SER:H	20	2.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG11	1	2.89
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG12	1	2.89
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG13	1	2.89
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG21	1	2.89
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG22	1	2.89
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG23	1	2.89
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	12	2.89
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	12	2.89
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	12	2.89
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	12	2.89
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	12	2.89
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	12	2.89
(1,589)	1:448:A:PHE:HA	1:449:A:GLY:H	19	2.89
(1,414)	1:441:A:GLN:H	1:441:A:GLN:HG3	18	2.89
(1,326)	1:402:A:PRO:HB2	1:403:A:GLU:H	15	2.89
(1,326)	1:402:A:PRO:HB3	1:403:A:GLU:H	15	2.89
(1,325)	1:451:A:VAL:HG21	1:452:A:SER:H	16	2.89
(1,325)	1:451:A:VAL:HG22	1:452:A:SER:H	16	2.89
(1,325)	1:451:A:VAL:HG23	1:452:A:SER:H	16	2.89
(1,325)	1:451:A:VAL:HG21	1:452:A:SER:H	20	2.89
(1,325)	1:451:A:VAL:HG22	1:452:A:SER:H	20	2.89
(1,325)	1:451:A:VAL:HG23	1:452:A:SER:H	20	2.89
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG2	17	2.89
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG3	17	2.89
(1,254)	1:434:A:ALA:HA	1:435:A:LYS:H	13	2.89
(1,230)	1:437:A:PHE:HA	1:438:A:ILE:H	2	2.89
(1,230)	1:437:A:PHE:HA	1:438:A:ILE:H	7	2.89
(1,230)	1:437:A:PHE:HA	1:438:A:ILE:H	10	2.89
(1,182)	1:422:A:LEU:H	1:422:A:LEU:HB2	15	2.89
(1,73)	1:414:A:GLN:H	1:414:A:GLN:HB3	4	2.89
(1,73)	1:414:A:GLN:H	1:414:A:GLN:HB3	6	2.89
(1,73)	1:414:A:GLN:H	1:414:A:GLN:HB3	16	2.89
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	15	2.88
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	15	2.88
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	15	2.88
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	15	2.88
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	15	2.88
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	15	2.88
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	4	2.88
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	4	2.88
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	4	2.88
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	4	2.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	13	2.88
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	13	2.88
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	13	2.88
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	13	2.88
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	13	2.88
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	13	2.88
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD11	10	2.88
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD12	10	2.88
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD13	10	2.88
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD21	10	2.88
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD22	10	2.88
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD23	10	2.88
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	4	2.88
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	4	2.88
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	4	2.88
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	4	2.88
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD2	9	2.88
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD3	9	2.88
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD11	10	2.88
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD12	10	2.88
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD13	10	2.88
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD21	10	2.88
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD22	10	2.88
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD23	10	2.88
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	10	2.88
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	10	2.88
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	10	2.88
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	10	2.88
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD1	16	2.88
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD2	16	2.88
(1,1058)	1:409:A:ILE:HA	1:410:A:TYR:H	2	2.88
(1,1058)	1:409:A:ILE:HA	1:410:A:TYR:H	15	2.88
(1,985)	1:416:A:PHE:HB3	1:417:A:GLY:H	8	2.88
(1,775)	1:451:A:VAL:HG21	1:452:A:SER:H	14	2.88
(1,775)	1:451:A:VAL:HG22	1:452:A:SER:H	14	2.88
(1,775)	1:451:A:VAL:HG23	1:452:A:SER:H	14	2.88
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG21	9	2.88
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG22	9	2.88
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG23	9	2.88
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	4	2.88
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	4	2.88
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	4	2.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	4	2.88
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	4	2.88
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	4	2.88
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	7	2.88
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	7	2.88
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	7	2.88
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	7	2.88
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	7	2.88
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	7	2.88
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	16	2.88
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	16	2.88
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	16	2.88
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	16	2.88
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	16	2.88
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	16	2.88
(1,601)	1:429:A:GLY:H	1:453:A:TYR:HB2	18	2.88
(1,325)	1:451:A:VAL:HG21	1:452:A:SER:H	14	2.88
(1,325)	1:451:A:VAL:HG22	1:452:A:SER:H	14	2.88
(1,325)	1:451:A:VAL:HG23	1:452:A:SER:H	14	2.88
(1,230)	1:437:A:PHE:HA	1:438:A:ILE:H	1	2.88
(1,230)	1:437:A:PHE:HA	1:438:A:ILE:H	15	2.88
(1,230)	1:437:A:PHE:HA	1:438:A:ILE:H	18	2.88
(1,135)	1:422:A:LEU:H	1:422:A:LEU:HB3	18	2.88
(1,75)	1:446:A:LYS:H	1:447:A:CYS:H	3	2.88
(1,73)	1:414:A:GLN:H	1:414:A:GLN:HB3	3	2.88
(1,73)	1:414:A:GLN:H	1:414:A:GLN:HB3	12	2.88
(1,73)	1:414:A:GLN:H	1:414:A:GLN:HB3	19	2.88
(1,27)	1:426:A:MET:H	1:426:A:MET:HB2	7	2.88
(1,27)	1:426:A:MET:H	1:426:A:MET:HB3	7	2.88
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD2	11	2.87
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD3	11	2.87
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	14	2.87
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	14	2.87
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	14	2.87
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	14	2.87
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG11	17	2.87
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG12	17	2.87
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG13	17	2.87
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG11	17	2.87
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG12	17	2.87
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG13	17	2.87
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG21	6	2.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG22	6	2.87
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG23	6	2.87
(1,1229)	1:455:A:ASN:HA	1:456:A:PRO:HD2	6	2.87
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	14	2.87
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	14	2.87
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	14	2.87
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	14	2.87
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD2	17	2.87
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD3	17	2.87
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	4	2.87
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	4	2.87
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	4	2.87
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	4	2.87
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	4	2.87
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	4	2.87
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	2	2.87
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	2	2.87
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	2	2.87
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	2	2.87
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	18	2.87
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	18	2.87
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	18	2.87
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	18	2.87
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	20	2.87
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	20	2.87
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	20	2.87
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	20	2.87
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD1	12	2.87
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD2	12	2.87
(1,1058)	1:409:A:ILE:HA	1:410:A:TYR:H	11	2.87
(1,1053)	1:400:A:GLU:H	1:400:A:GLU:HG2	7	2.87
(1,1053)	1:400:A:GLU:H	1:400:A:GLU:HG2	11	2.87
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	4	2.87
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	4	2.87
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	4	2.87
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	4	2.87
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	4	2.87
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	4	2.87
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	19	2.87
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	19	2.87
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	19	2.87
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	19	2.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	19	2.87
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	19	2.87
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	19	2.87
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	19	2.87
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	19	2.87
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	2	2.87
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	2	2.87
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	2	2.87
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	2	2.87
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	2	2.87
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	2	2.87
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	14	2.87
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	14	2.87
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	14	2.87
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	14	2.87
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	14	2.87
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	14	2.87
(1,330)	1:403:A:GLU:H	1:403:A:GLU:HB2	14	2.87
(1,310)	1:475:A:ARG:H	1:475:A:ARG:HD2	4	2.87
(1,254)	1:434:A:ALA:HA	1:435:A:LYS:H	1	2.87
(1,239)	1:400:A:GLU:H	1:400:A:GLU:HG2	7	2.87
(1,239)	1:400:A:GLU:H	1:400:A:GLU:HG2	11	2.87
(1,230)	1:437:A:PHE:HA	1:438:A:ILE:H	9	2.87
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD11	12	2.87
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD12	12	2.87
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD13	12	2.87
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD21	12	2.87
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD22	12	2.87
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD23	12	2.87
(1,73)	1:414:A:GLN:H	1:414:A:GLN:HB3	2	2.87
(1,73)	1:414:A:GLN:H	1:414:A:GLN:HB3	14	2.87
(1,73)	1:414:A:GLN:H	1:414:A:GLN:HB3	15	2.87
(1,73)	1:414:A:GLN:H	1:414:A:GLN:HB3	20	2.87
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD1	11	2.87
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD2	11	2.87
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD1	12	2.87
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD2	12	2.87
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD1	17	2.87
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD2	17	2.87
(1,27)	1:426:A:MET:H	1:426:A:MET:HB2	14	2.87
(1,27)	1:426:A:MET:H	1:426:A:MET:HB3	14	2.87
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	6	2.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	6	2.86
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	6	2.86
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	6	2.86
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	1	2.86
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	1	2.86
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	1	2.86
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	1	2.86
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	2	2.86
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	2	2.86
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	2	2.86
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	2	2.86
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	5	2.86
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	5	2.86
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	5	2.86
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	5	2.86
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	7	2.86
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	7	2.86
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	7	2.86
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	7	2.86
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	10	2.86
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	10	2.86
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	10	2.86
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	10	2.86
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	6	2.86
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	6	2.86
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	6	2.86
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	6	2.86
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	6	2.86
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	6	2.86
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	6	2.86
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	6	2.86
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	6	2.86
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	7	2.86
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	7	2.86
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	7	2.86
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	7	2.86
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	17	2.86
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	17	2.86
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	17	2.86
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	17	2.86
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	20	2.86
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	20	2.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	20	2.86
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	20	2.86
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	5	2.86
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	5	2.86
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	5	2.86
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	5	2.86
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	5	2.86
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	5	2.86
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	17	2.86
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	17	2.86
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	17	2.86
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	17	2.86
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	17	2.86
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	17	2.86
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	20	2.86
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	20	2.86
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	20	2.86
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	20	2.86
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	20	2.86
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	20	2.86
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	20	2.86
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	20	2.86
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	20	2.86
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	20	2.86
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	20	2.86
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	20	2.86
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	20	2.86
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	20	2.86
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	20	2.86
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	20	2.86
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	20	2.86
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	20	2.86
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	17	2.86
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	17	2.86
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	17	2.86
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	17	2.86
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	17	2.86
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	17	2.86
(1,1229)	1:455:A:ASN:HA	1:456:A:PRO:HD2	13	2.86
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	1	2.86
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	1	2.86
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	1	2.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	1	2.86
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	2	2.86
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	2	2.86
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	2	2.86
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	2	2.86
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	5	2.86
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	5	2.86
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	5	2.86
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	5	2.86
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	7	2.86
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	7	2.86
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	7	2.86
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	7	2.86
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	10	2.86
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	10	2.86
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	10	2.86
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	10	2.86
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD2	6	2.86
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD3	6	2.86
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD2	6	2.86
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD3	6	2.86
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	14	2.86
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	14	2.86
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	14	2.86
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	14	2.86
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	19	2.86
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	19	2.86
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	19	2.86
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	19	2.86
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	17	2.86
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	17	2.86
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	17	2.86
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	17	2.86
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	17	2.86
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	17	2.86
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	7	2.86
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	7	2.86
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	7	2.86
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	7	2.86
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	17	2.86
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	17	2.86
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	17	2.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	17	2.86
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	20	2.86
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	20	2.86
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	20	2.86
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	20	2.86
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	14	2.86
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	14	2.86
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	14	2.86
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	14	2.86
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	12	2.86
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	12	2.86
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	12	2.86
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	12	2.86
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	12	2.86
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	12	2.86
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	12	2.86
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	12	2.86
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	12	2.86
(1,775)	1:451:A:VAL:HG21	1:452:A:SER:H	15	2.86
(1,775)	1:451:A:VAL:HG22	1:452:A:SER:H	15	2.86
(1,775)	1:451:A:VAL:HG23	1:452:A:SER:H	15	2.86
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	11	2.86
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	11	2.86
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	11	2.86
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	11	2.86
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	11	2.86
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	11	2.86
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	12	2.86
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	12	2.86
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	12	2.86
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	12	2.86
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	12	2.86
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	12	2.86
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	1	2.86
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	1	2.86
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	1	2.86
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	1	2.86
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	1	2.86
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	1	2.86
(1,527)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	13	2.86
(1,527)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	13	2.86
(1,527)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	16	2.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	16	2.86
(1,331)	1:466:A:MET:H	1:467:A:ASN:H	15	2.86
(1,325)	1:451:A:VAL:HG21	1:452:A:SER:H	15	2.86
(1,325)	1:451:A:VAL:HG22	1:452:A:SER:H	15	2.86
(1,325)	1:451:A:VAL:HG23	1:452:A:SER:H	15	2.86
(1,254)	1:434:A:ALA:HA	1:435:A:LYS:H	16	2.86
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD11	2	2.86
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD12	2	2.86
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD13	2	2.86
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD21	2	2.86
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD22	2	2.86
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD23	2	2.86
(1,99)	1:407:A:LEU:H	1:451:A:VAL:H	17	2.86
(1,73)	1:414:A:GLN:H	1:414:A:GLN:HB3	10	2.86
(1,46)	1:439:A:ASP:H	1:439:A:ASP:HB2	9	2.86
(1,27)	1:426:A:MET:H	1:426:A:MET:HB2	12	2.86
(1,27)	1:426:A:MET:H	1:426:A:MET:HB3	12	2.86
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	20	2.85
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	20	2.85
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	20	2.85
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	20	2.85
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	14	2.85
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	14	2.85
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	14	2.85
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	14	2.85
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	14	2.85
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	14	2.85
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	3	2.85
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	3	2.85
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	3	2.85
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	3	2.85
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	8	2.85
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	8	2.85
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	8	2.85
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	8	2.85
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	13	2.85
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	13	2.85
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	13	2.85
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	13	2.85
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	15	2.85
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	15	2.85
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	15	2.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	15	2.85
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	13	2.85
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	13	2.85
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	13	2.85
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	13	2.85
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	1	2.85
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	1	2.85
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	1	2.85
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	1	2.85
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	1	2.85
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	1	2.85
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	1	2.85
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	1	2.85
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	1	2.85
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	10	2.85
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	10	2.85
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	10	2.85
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	10	2.85
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	10	2.85
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	10	2.85
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	10	2.85
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	10	2.85
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	10	2.85
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	4	2.85
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	4	2.85
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	4	2.85
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	4	2.85
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	4	2.85
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	4	2.85
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE2	8	2.85
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE3	8	2.85
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE2	8	2.85
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE3	8	2.85
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	2	2.85
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	2	2.85
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	2	2.85
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	2	2.85
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	6	2.85
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	6	2.85
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	6	2.85
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	6	2.85
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	11	2.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	11	2.85
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	11	2.85
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	11	2.85
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	12	2.85
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	12	2.85
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	12	2.85
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	12	2.85
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	14	2.85
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	14	2.85
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	14	2.85
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	14	2.85
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	16	2.85
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	16	2.85
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	16	2.85
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	16	2.85
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	18	2.85
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	18	2.85
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	18	2.85
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	18	2.85
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG21	10	2.85
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG22	10	2.85
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG23	10	2.85
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG21	20	2.85
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG22	20	2.85
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG23	20	2.85
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	6	2.85
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	6	2.85
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	6	2.85
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	6	2.85
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	6	2.85
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	6	2.85
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	2	2.85
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	2	2.85
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	2	2.85
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	2	2.85
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	2	2.85
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	2	2.85
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	8	2.85
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	8	2.85
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	8	2.85
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	8	2.85
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	8	2.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	8	2.85
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	12	2.85
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	12	2.85
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	12	2.85
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	12	2.85
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	12	2.85
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	12	2.85
(1,1229)	1:455:A:ASN:HA	1:456:A:PRO:HD2	9	2.85
(1,1229)	1:455:A:ASN:HA	1:456:A:PRO:HD2	12	2.85
(1,1229)	1:455:A:ASN:HA	1:456:A:PRO:HD2	18	2.85
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	13	2.85
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	13	2.85
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	13	2.85
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	13	2.85
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	16	2.85
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	16	2.85
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	16	2.85
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	16	2.85
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	16	2.85
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	16	2.85
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	12	2.85
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	12	2.85
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	12	2.85
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	12	2.85
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	13	2.85
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	13	2.85
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	13	2.85
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	13	2.85
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD1	9	2.85
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD2	9	2.85
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG21	10	2.85
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG22	10	2.85
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG23	10	2.85
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG21	20	2.85
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG22	20	2.85
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG23	20	2.85
(1,1053)	1:400:A:GLU:H	1:400:A:GLU:HG2	5	2.85
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	16	2.85
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	16	2.85
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	16	2.85
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	16	2.85
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	16	2.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	16	2.85
(1,936)	1:459:A:ALA:HB1	1:460:A:GLN:H	10	2.85
(1,936)	1:459:A:ALA:HB2	1:460:A:GLN:H	10	2.85
(1,936)	1:459:A:ALA:HB3	1:460:A:GLN:H	10	2.85
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	4	2.85
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	4	2.85
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	4	2.85
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	4	2.85
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	4	2.85
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	4	2.85
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	2	2.85
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	2	2.85
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	2	2.85
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	2	2.85
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	2	2.85
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	2	2.85
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	8	2.85
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	8	2.85
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	8	2.85
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	8	2.85
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	8	2.85
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	8	2.85
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	12	2.85
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	12	2.85
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	12	2.85
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	12	2.85
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	12	2.85
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	12	2.85
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	2	2.85
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	2	2.85
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	2	2.85
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	2	2.85
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	6	2.85
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	6	2.85
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	6	2.85
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	6	2.85
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	11	2.85
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	11	2.85
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	11	2.85
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	11	2.85
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	12	2.85
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	12	2.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	12	2.85
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	12	2.85
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	14	2.85
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	14	2.85
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	14	2.85
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	14	2.85
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	16	2.85
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	16	2.85
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	16	2.85
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	16	2.85
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	18	2.85
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	18	2.85
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	18	2.85
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	18	2.85
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	2	2.85
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	2	2.85
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	2	2.85
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	2	2.85
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	6	2.85
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	6	2.85
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	6	2.85
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	6	2.85
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	15	2.85
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	15	2.85
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	15	2.85
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	15	2.85
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	20	2.85
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	20	2.85
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	20	2.85
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	20	2.85
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	2	2.85
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	2	2.85
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	2	2.85
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	2	2.85
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	10	2.85
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	10	2.85
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	10	2.85
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	10	2.85
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	11	2.85
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	11	2.85
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	11	2.85
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	11	2.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	18	2.85
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	18	2.85
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	18	2.85
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	18	2.85
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	2	2.85
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	2	2.85
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	2	2.85
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	2	2.85
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	2	2.85
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	2	2.85
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	2	2.85
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	2	2.85
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	2	2.85
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG11	4	2.85
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG12	4	2.85
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG13	4	2.85
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG21	4	2.85
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG22	4	2.85
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG23	4	2.85
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG21	14	2.85
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG22	14	2.85
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG23	14	2.85
(1,663)	1:412:A:LEU:H	1:412:A:LEU:HG	2	2.85
(1,663)	1:412:A:LEU:H	1:412:A:LEU:HG	16	2.85
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	18	2.85
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	18	2.85
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	18	2.85
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	18	2.85
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	18	2.85
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	18	2.85
(1,601)	1:429:A:GLY:H	1:453:A:TYR:HB2	6	2.85
(1,527)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	5	2.85
(1,527)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	5	2.85
(1,426)	1:442:A:THR:H	1:443:A:ASN:H	10	2.85
(1,239)	1:400:A:GLU:H	1:400:A:GLU:HG2	5	2.85
(1,172)	1:398:A:GLN:HA	1:399:A:LYS:H	4	2.85
(1,170)	1:483:A:SER:HB2	1:484:A:LYS:H	7	2.85
(1,170)	1:483:A:SER:HB3	1:484:A:LYS:H	7	2.85
(1,170)	1:483:A:SER:HB2	1:484:A:LYS:H	16	2.85
(1,170)	1:483:A:SER:HB3	1:484:A:LYS:H	16	2.85
(1,120)	1:473:A:MET:H	1:473:A:MET:HG3	4	2.85
(1,73)	1:414:A:GLN:H	1:414:A:GLN:HB3	17	2.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:438:A:ILE:HA	1:439:A:ASP:H	3	2.85
(1,27)	1:426:A:MET:H	1:426:A:MET:HB2	1	2.85
(1,27)	1:426:A:MET:H	1:426:A:MET:HB3	1	2.85
(1,27)	1:426:A:MET:H	1:426:A:MET:HB2	2	2.85
(1,27)	1:426:A:MET:H	1:426:A:MET:HB3	2	2.85
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	13	2.84
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	13	2.84
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	13	2.84
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	13	2.84
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	13	2.84
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	13	2.84
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	1	2.84
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	1	2.84
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	1	2.84
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	1	2.84
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	4	2.84
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	4	2.84
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	4	2.84
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	4	2.84
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	10	2.84
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	10	2.84
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	10	2.84
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	10	2.84
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	12	2.84
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	12	2.84
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	12	2.84
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	12	2.84
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	14	2.84
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	14	2.84
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	14	2.84
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	14	2.84
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	19	2.84
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	19	2.84
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	19	2.84
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	19	2.84
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD2	20	2.84
(1,1512)	1:440:A:LYS:HG2	1:440:A:LYS:HD3	20	2.84
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD2	20	2.84
(1,1512)	1:440:A:LYS:HG3	1:440:A:LYS:HD3	20	2.84
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	16	2.84
(1,1461)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	16	2.84
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	16	2.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1461)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	16	2.84
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	8	2.84
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	8	2.84
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	8	2.84
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	8	2.84
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	8	2.84
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	8	2.84
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE2	3	2.84
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE3	3	2.84
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE2	3	2.84
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE3	3	2.84
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE2	6	2.84
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE3	6	2.84
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE2	6	2.84
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE3	6	2.84
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE2	10	2.84
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE3	10	2.84
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE2	10	2.84
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE3	10	2.84
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE2	14	2.84
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE3	14	2.84
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE2	14	2.84
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE3	14	2.84
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE2	15	2.84
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE3	15	2.84
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE2	15	2.84
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE3	15	2.84
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE2	17	2.84
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE3	17	2.84
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE2	17	2.84
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE3	17	2.84
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	1	2.84
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	1	2.84
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	1	2.84
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	1	2.84
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	3	2.84
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	3	2.84
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	3	2.84
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	3	2.84
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	15	2.84
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	15	2.84
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	15	2.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	15	2.84
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	17	2.84
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	17	2.84
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	17	2.84
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	17	2.84
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	17	2.84
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	17	2.84
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG11	2	2.84
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG12	2	2.84
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG13	2	2.84
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG21	2	2.84
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG22	2	2.84
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG23	2	2.84
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE1	20	2.84
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE2	20	2.84
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE3	20	2.84
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE1	20	2.84
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE2	20	2.84
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE3	20	2.84
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	9	2.84
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	9	2.84
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	9	2.84
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	9	2.84
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	9	2.84
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	9	2.84
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	8	2.84
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	8	2.84
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	8	2.84
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	8	2.84
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	8	2.84
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	8	2.84
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	8	2.84
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	8	2.84
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	8	2.84
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	8	2.84
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	8	2.84
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	8	2.84
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	8	2.84
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	8	2.84
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	8	2.84
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	8	2.84
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	8	2.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	8	2.84
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	4	2.84
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	4	2.84
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	4	2.84
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	4	2.84
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	4	2.84
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	4	2.84
(1,1229)	1:455:A:ASN:HA	1:456:A:PRO:HD2	20	2.84
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG2	16	2.84
(1,1221)	1:464:A:GLN:HB2	1:464:A:GLN:HG3	16	2.84
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG2	16	2.84
(1,1221)	1:464:A:GLN:HB3	1:464:A:GLN:HG3	16	2.84
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD2	4	2.84
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD3	4	2.84
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD2	14	2.84
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD3	14	2.84
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD2	8	2.84
(1,1186)	1:412:A:LEU:HA	1:413:A:PRO:HD3	8	2.84
(1,1175)	1:439:A:ASP:HA	1:440:A:LYS:H	12	2.84
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	17	2.84
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	17	2.84
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	17	2.84
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	17	2.84
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	8	2.84
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	8	2.84
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	8	2.84
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	8	2.84
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	8	2.84
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	8	2.84
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	4	2.84
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	4	2.84
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	4	2.84
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	4	2.84
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	4	2.84
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	4	2.84
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	1	2.84
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	1	2.84
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	1	2.84
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	1	2.84
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	3	2.84
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	3	2.84
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	3	2.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	3	2.84
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	15	2.84
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	15	2.84
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	15	2.84
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	15	2.84
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	4	2.84
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	4	2.84
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	4	2.84
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	4	2.84
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	5	2.84
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	5	2.84
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	5	2.84
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	5	2.84
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	16	2.84
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	16	2.84
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	16	2.84
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	16	2.84
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	18	2.84
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	18	2.84
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	18	2.84
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	18	2.84
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	19	2.84
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	19	2.84
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	19	2.84
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	19	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	3	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	3	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	3	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	3	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	4	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	4	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	4	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	4	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	5	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	5	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	5	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	5	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	7	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	7	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	7	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	7	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	8	2.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	8	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	8	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	8	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	9	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	9	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	9	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	9	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	12	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	12	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	12	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	12	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	13	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	13	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	13	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	13	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	15	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	15	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	15	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	15	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	19	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	19	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	19	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	19	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	20	2.84
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	20	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	20	2.84
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	20	2.84
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	20	2.84
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	20	2.84
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	20	2.84
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	20	2.84
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	20	2.84
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	20	2.84
(1,512)	1:454:A:ASP:HB3	1:455:A:ASN:H	2	2.84
(1,472)	1:424:A:MET:H	1:424:A:MET:HB2	16	2.84
(1,472)	1:424:A:MET:H	1:424:A:MET:HB3	16	2.84
(1,330)	1:403:A:GLU:H	1:403:A:GLU:HB2	13	2.84
(1,236)	1:399:A:LYS:HA	1:400:A:GLU:H	18	2.84
(1,230)	1:437:A:PHE:HA	1:438:A:ILE:H	5	2.84
(1,77)	1:445:A:SER:HA	1:446:A:LYS:H	5	2.84
(1,77)	1:445:A:SER:HA	1:446:A:LYS:H	15	2.84
(1,56)	1:470:A:GLN:HA	1:471:A:ILE:H	11	2.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,27)	1:426:A:MET:H	1:426:A:MET:HB2	6	2.84
(1,27)	1:426:A:MET:H	1:426:A:MET:HB3	6	2.84
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	18	2.83
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	18	2.83
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	18	2.83
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	18	2.83
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	18	2.83
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	18	2.83
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD1	10	2.83
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD2	10	2.83
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	13	2.83
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	13	2.83
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	13	2.83
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	13	2.83
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	13	2.83
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	13	2.83
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	13	2.83
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	13	2.83
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	13	2.83
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE2	4	2.83
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE3	4	2.83
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE2	4	2.83
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE3	4	2.83
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE2	18	2.83
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE3	18	2.83
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE2	18	2.83
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE3	18	2.83
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	5	2.83
(1,1369)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	5	2.83
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	5	2.83
(1,1369)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	5	2.83
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	8	2.83
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	8	2.83
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	8	2.83
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	8	2.83
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	8	2.83
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	8	2.83
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG21	8	2.83
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG22	8	2.83
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG23	8	2.83
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE1	13	2.83
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE2	13	2.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE3	13	2.83
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE1	13	2.83
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE2	13	2.83
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE3	13	2.83
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD11	18	2.83
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD12	18	2.83
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD13	18	2.83
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD21	18	2.83
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD22	18	2.83
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD23	18	2.83
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	3	2.83
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	3	2.83
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	3	2.83
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	3	2.83
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	3	2.83
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	3	2.83
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	11	2.83
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	11	2.83
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	11	2.83
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	11	2.83
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	11	2.83
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	11	2.83
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	20	2.83
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	20	2.83
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	20	2.83
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	20	2.83
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	20	2.83
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	20	2.83
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG21	3	2.83
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG22	3	2.83
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG23	3	2.83
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD11	18	2.83
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD12	18	2.83
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD13	18	2.83
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD21	18	2.83
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD22	18	2.83
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD23	18	2.83
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG2	11	2.83
(1,1129)	1:460:A:GLN:HB2	1:460:A:GLN:HG3	11	2.83
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG2	11	2.83
(1,1129)	1:460:A:GLN:HB3	1:460:A:GLN:HG3	11	2.83
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG21	8	2.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG22	8	2.83
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG23	8	2.83
(1,1058)	1:409:A:ILE:HA	1:410:A:TYR:H	9	2.83
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	3	2.83
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	3	2.83
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	3	2.83
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	3	2.83
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	3	2.83
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	3	2.83
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	11	2.83
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	11	2.83
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	11	2.83
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	11	2.83
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	11	2.83
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	11	2.83
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	20	2.83
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	20	2.83
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	20	2.83
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	20	2.83
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	20	2.83
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	20	2.83
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE2	5	2.83
(1,908)	1:474:A:LYS:HD2	1:474:A:LYS:HE3	5	2.83
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE2	5	2.83
(1,908)	1:474:A:LYS:HD3	1:474:A:LYS:HE3	5	2.83
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	3	2.83
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	3	2.83
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	3	2.83
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	3	2.83
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE2	12	2.83
(1,893)	1:399:A:LYS:HD2	1:399:A:LYS:HE3	12	2.83
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE2	12	2.83
(1,893)	1:399:A:LYS:HD3	1:399:A:LYS:HE3	12	2.83
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	1	2.83
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	1	2.83
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	1	2.83
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	1	2.83
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	6	2.83
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	6	2.83
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	6	2.83
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	6	2.83
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	16	2.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	16	2.83
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	16	2.83
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	16	2.83
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	17	2.83
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	17	2.83
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	17	2.83
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	17	2.83
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	15	2.83
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	15	2.83
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	15	2.83
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	15	2.83
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	15	2.83
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	15	2.83
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE2	10	2.83
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE3	10	2.83
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE2	10	2.83
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE3	10	2.83
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	8	2.83
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	8	2.83
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	8	2.83
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	8	2.83
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	8	2.83
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	8	2.83
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	10	2.83
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	10	2.83
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	10	2.83
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	10	2.83
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	10	2.83
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	10	2.83
(1,601)	1:429:A:GLY:H	1:453:A:TYR:HB2	2	2.83
(1,601)	1:429:A:GLY:H	1:453:A:TYR:HB2	14	2.83
(1,589)	1:448:A:PHE:HA	1:449:A:GLY:H	16	2.83
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD1	10	2.83
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD2	10	2.83
(1,254)	1:434:A:ALA:HA	1:435:A:LYS:H	5	2.83
(1,135)	1:422:A:LEU:H	1:422:A:LEU:HB3	14	2.83
(1,114)	1:489:A:PRO:HA	1:490:A:TYR:H	8	2.83
(1,99)	1:407:A:LEU:H	1:451:A:VAL:H	8	2.83
(1,77)	1:445:A:SER:HA	1:446:A:LYS:H	1	2.83
(1,27)	1:426:A:MET:H	1:426:A:MET:HB2	16	2.83
(1,27)	1:426:A:MET:H	1:426:A:MET:HB3	16	2.83
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD2	1	2.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD3	1	2.83
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD1	11	2.82
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD2	11	2.82
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD1	11	2.82
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD2	11	2.82
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	6	2.82
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	6	2.82
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	6	2.82
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	6	2.82
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	6	2.82
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	6	2.82
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	12	2.82
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	12	2.82
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	12	2.82
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	12	2.82
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	12	2.82
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	12	2.82
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	16	2.82
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	16	2.82
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	16	2.82
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	16	2.82
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE2	9	2.82
(1,1370)	1:481:A:LYS:HD2	1:481:A:LYS:HE3	9	2.82
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE2	9	2.82
(1,1370)	1:481:A:LYS:HD3	1:481:A:LYS:HE3	9	2.82
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	9	2.82
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	9	2.82
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	9	2.82
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	9	2.82
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	9	2.82
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	9	2.82
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG21	2	2.82
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG22	2	2.82
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG23	2	2.82
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG21	3	2.82
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG22	3	2.82
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG23	3	2.82
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG21	6	2.82
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG22	6	2.82
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG23	6	2.82
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE1	1	2.82
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE2	1	2.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE3	1	2.82
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE1	1	2.82
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE2	1	2.82
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE3	1	2.82
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE1	4	2.82
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE2	4	2.82
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE3	4	2.82
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE1	4	2.82
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE2	4	2.82
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE3	4	2.82
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	2	2.82
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	2	2.82
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	2	2.82
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	2	2.82
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	2	2.82
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	2	2.82
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	20	2.82
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	20	2.82
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	20	2.82
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	20	2.82
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	20	2.82
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	20	2.82
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	6	2.82
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	6	2.82
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	6	2.82
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	6	2.82
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	6	2.82
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	6	2.82
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	16	2.82
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	16	2.82
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	16	2.82
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	16	2.82
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	16	2.82
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	16	2.82
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG21	2	2.82
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG22	2	2.82
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG23	2	2.82
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG21	4	2.82
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG22	4	2.82
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG23	4	2.82
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG21	18	2.82
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG22	18	2.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG23	18	2.82
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	14	2.82
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	14	2.82
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	14	2.82
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	14	2.82
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	16	2.82
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	16	2.82
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	16	2.82
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	16	2.82
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD2	6	2.82
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD3	6	2.82
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD2	10	2.82
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD3	10	2.82
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD2	10	2.82
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD3	10	2.82
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG21	2	2.82
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG22	2	2.82
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG23	2	2.82
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG21	3	2.82
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG22	3	2.82
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG23	3	2.82
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG21	6	2.82
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG22	6	2.82
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG23	6	2.82
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	17	2.82
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	17	2.82
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	17	2.82
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	17	2.82
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	17	2.82
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	17	2.82
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	17	2.82
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	17	2.82
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	17	2.82
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	17	2.82
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	17	2.82
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	17	2.82
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	17	2.82
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	17	2.82
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	17	2.82
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB1	17	2.82
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB2	17	2.82
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB3	17	2.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	6	2.82
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	6	2.82
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	6	2.82
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	6	2.82
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	6	2.82
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	6	2.82
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	12	2.82
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	12	2.82
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	12	2.82
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	12	2.82
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	12	2.82
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	12	2.82
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	6	2.82
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	6	2.82
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	6	2.82
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	6	2.82
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	6	2.82
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	6	2.82
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	16	2.82
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	16	2.82
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	16	2.82
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	16	2.82
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	16	2.82
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	16	2.82
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD2	14	2.82
(1,872)	1:482:A:ARG:HG2	1:482:A:ARG:HD3	14	2.82
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD2	14	2.82
(1,872)	1:482:A:ARG:HG3	1:482:A:ARG:HD3	14	2.82
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	12	2.82
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	12	2.82
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	12	2.82
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	12	2.82
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	12	2.82
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	12	2.82
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	12	2.82
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	12	2.82
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	12	2.82
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	12	2.82
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	12	2.82
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	12	2.82
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	12	2.82
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	12	2.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	12	2.82
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	12	2.82
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	12	2.82
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	12	2.82
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG11	3	2.82
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG12	3	2.82
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG13	3	2.82
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG21	3	2.82
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG22	3	2.82
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG23	3	2.82
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	19	2.82
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	19	2.82
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	19	2.82
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	19	2.82
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	19	2.82
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	19	2.82
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	14	2.82
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	14	2.82
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	14	2.82
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	14	2.82
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE2	18	2.82
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE3	18	2.82
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE2	18	2.82
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE3	18	2.82
(1,663)	1:412:A:LEU:H	1:412:A:LEU:HG	13	2.82
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	12	2.82
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	12	2.82
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	12	2.82
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	12	2.82
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	12	2.82
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	12	2.82
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	12	2.82
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	12	2.82
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	12	2.82
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	12	2.82
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	12	2.82
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	12	2.82
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	12	2.82
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	12	2.82
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	12	2.82
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	12	2.82
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	12	2.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	12	2.82
(1,533)	1:417:A:GLY:H	1:420:A:ASP:HB3	12	2.82
(1,519)	1:432:A:ILE:H	1:433:A:SER:H	3	2.82
(1,472)	1:424:A:MET:H	1:424:A:MET:HB2	19	2.82
(1,472)	1:424:A:MET:H	1:424:A:MET:HB3	19	2.82
(1,426)	1:442:A:THR:H	1:443:A:ASN:H	12	2.82
(1,426)	1:442:A:THR:H	1:443:A:ASN:H	19	2.82
(1,326)	1:402:A:PRO:HB2	1:403:A:GLU:H	11	2.82
(1,326)	1:402:A:PRO:HB3	1:403:A:GLU:H	11	2.82
(1,254)	1:434:A:ALA:HA	1:435:A:LYS:H	2	2.82
(1,254)	1:434:A:ALA:HA	1:435:A:LYS:H	8	2.82
(1,254)	1:434:A:ALA:HA	1:435:A:LYS:H	20	2.82
(1,236)	1:399:A:LYS:HA	1:400:A:GLU:H	3	2.82
(1,230)	1:437:A:PHE:HA	1:438:A:ILE:H	8	2.82
(1,88)	1:481:A:LYS:H	1:481:A:LYS:HB3	7	2.82
(1,77)	1:445:A:SER:HA	1:446:A:LYS:H	10	2.82
(1,46)	1:439:A:ASP:H	1:439:A:ASP:HB2	4	2.82
(1,27)	1:426:A:MET:H	1:426:A:MET:HB2	10	2.82
(1,27)	1:426:A:MET:H	1:426:A:MET:HB3	10	2.82
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	17	2.81
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	17	2.81
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	17	2.81
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	17	2.81
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	17	2.81
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	17	2.81
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	17	2.81
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	17	2.81
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	17	2.81
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	6	2.81
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	6	2.81
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	6	2.81
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	6	2.81
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	6	2.81
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	6	2.81
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG21	7	2.81
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG22	7	2.81
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG23	7	2.81
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG21	17	2.81
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG22	17	2.81
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG23	17	2.81
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG11	17	2.81
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG12	17	2.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG13	17	2.81
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG11	17	2.81
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG12	17	2.81
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG13	17	2.81
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE1	10	2.81
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE2	10	2.81
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE3	10	2.81
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE1	10	2.81
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE2	10	2.81
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE3	10	2.81
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE1	15	2.81
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE2	15	2.81
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE3	15	2.81
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE1	15	2.81
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE2	15	2.81
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE3	15	2.81
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	1	2.81
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	1	2.81
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	1	2.81
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	1	2.81
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	1	2.81
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	1	2.81
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	4	2.81
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	4	2.81
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	4	2.81
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	4	2.81
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	4	2.81
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	4	2.81
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	18	2.81
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	18	2.81
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	18	2.81
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	18	2.81
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	18	2.81
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	18	2.81
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	5	2.81
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	5	2.81
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	5	2.81
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	5	2.81
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	5	2.81
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	5	2.81
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	7	2.81
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	7	2.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	7	2.81
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	7	2.81
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	7	2.81
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	7	2.81
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	14	2.81
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	14	2.81
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	14	2.81
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	14	2.81
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	14	2.81
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	14	2.81
(1,1229)	1:455:A:ASN:HA	1:456:A:PRO:HD2	11	2.81
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG2	5	2.81
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG3	5	2.81
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG2	6	2.81
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG3	6	2.81
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG2	20	2.81
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG3	20	2.81
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD1	4	2.81
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD2	4	2.81
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG21	7	2.81
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG22	7	2.81
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG23	7	2.81
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG21	17	2.81
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG22	17	2.81
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG23	17	2.81
(1,1058)	1:409:A:ILE:HA	1:410:A:TYR:H	17	2.81
(1,1053)	1:400:A:GLU:H	1:400:A:GLU:HG2	19	2.81
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	7	2.81
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	7	2.81
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	7	2.81
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	7	2.81
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	7	2.81
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	7	2.81
(1,985)	1:416:A:PHE:HB3	1:417:A:GLY:H	9	2.81
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	5	2.81
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	5	2.81
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	5	2.81
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	5	2.81
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	5	2.81
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	5	2.81
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	7	2.81
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	7	2.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	7	2.81
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	7	2.81
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	7	2.81
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	7	2.81
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	14	2.81
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	14	2.81
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	14	2.81
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	14	2.81
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	14	2.81
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	14	2.81
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD1	11	2.81
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD2	11	2.81
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD1	11	2.81
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD2	11	2.81
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	5	2.81
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	5	2.81
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	5	2.81
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	5	2.81
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD2	3	2.81
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD3	3	2.81
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD2	5	2.81
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD3	5	2.81
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD2	13	2.81
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD3	13	2.81
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	12	2.81
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	12	2.81
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	12	2.81
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	12	2.81
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	12	2.81
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	12	2.81
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	12	2.81
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	12	2.81
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	12	2.81
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	13	2.81
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	13	2.81
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	13	2.81
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	13	2.81
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	13	2.81
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	13	2.81
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	13	2.81
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	13	2.81
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	13	2.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG21	17	2.81
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG22	17	2.81
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG23	17	2.81
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD11	3	2.81
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD12	3	2.81
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD13	3	2.81
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD21	3	2.81
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD22	3	2.81
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD23	3	2.81
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	6	2.81
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	6	2.81
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	6	2.81
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	6	2.81
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	6	2.81
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	6	2.81
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	13	2.81
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	13	2.81
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	13	2.81
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	13	2.81
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	13	2.81
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	13	2.81
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	19	2.81
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	19	2.81
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	19	2.81
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	19	2.81
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	19	2.81
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	19	2.81
(1,326)	1:402:A:PRO:HB2	1:403:A:GLU:H	17	2.81
(1,326)	1:402:A:PRO:HB3	1:403:A:GLU:H	17	2.81
(1,239)	1:400:A:GLU:H	1:400:A:GLU:HG2	19	2.81
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG12	5	2.81
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG13	5	2.81
(1,230)	1:437:A:PHE:HA	1:438:A:ILE:H	11	2.81
(1,230)	1:437:A:PHE:HA	1:438:A:ILE:H	17	2.81
(1,172)	1:398:A:GLN:HA	1:399:A:LYS:H	9	2.81
(1,27)	1:426:A:MET:H	1:426:A:MET:HB2	4	2.81
(1,27)	1:426:A:MET:H	1:426:A:MET:HB3	4	2.81
(1,27)	1:426:A:MET:H	1:426:A:MET:HB2	19	2.81
(1,27)	1:426:A:MET:H	1:426:A:MET:HB3	19	2.81
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD2	19	2.81
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD3	19	2.81
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	16	2.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	16	2.8
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	16	2.8
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	16	2.8
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	16	2.8
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	16	2.8
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD1	9	2.8
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD2	9	2.8
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD1	9	2.8
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD2	9	2.8
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	8	2.8
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	8	2.8
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	8	2.8
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	8	2.8
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	8	2.8
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	8	2.8
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	8	2.8
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	8	2.8
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	8	2.8
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	2	2.8
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	2	2.8
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	2	2.8
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	2	2.8
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	2	2.8
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	2	2.8
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	3	2.8
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	3	2.8
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	3	2.8
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	3	2.8
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	3	2.8
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	3	2.8
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	15	2.8
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	15	2.8
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	15	2.8
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	15	2.8
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	15	2.8
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	15	2.8
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	14	2.8
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	14	2.8
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	14	2.8
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	14	2.8
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	20	2.8
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	20	2.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	20	2.8
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	20	2.8
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG21	1	2.8
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG22	1	2.8
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG23	1	2.8
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE1	6	2.8
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE2	6	2.8
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE3	6	2.8
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE1	6	2.8
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE2	6	2.8
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE3	6	2.8
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE1	17	2.8
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE2	17	2.8
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE3	17	2.8
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE1	17	2.8
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE2	17	2.8
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE3	17	2.8
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	13	2.8
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	13	2.8
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	13	2.8
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	13	2.8
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	13	2.8
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	13	2.8
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	19	2.8
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	19	2.8
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	19	2.8
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	19	2.8
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	19	2.8
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	19	2.8
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	3	2.8
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	3	2.8
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	3	2.8
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	3	2.8
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	3	2.8
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	3	2.8
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	10	2.8
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	10	2.8
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	10	2.8
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	10	2.8
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	10	2.8
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	10	2.8
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	18	2.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	18	2.8
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	18	2.8
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	18	2.8
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	18	2.8
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	18	2.8
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	18	2.8
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	18	2.8
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	18	2.8
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	18	2.8
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	18	2.8
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	18	2.8
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	18	2.8
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	18	2.8
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	18	2.8
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	18	2.8
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	18	2.8
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	18	2.8
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	19	2.8
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	19	2.8
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	19	2.8
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	19	2.8
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	19	2.8
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	19	2.8
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG21	8	2.8
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG22	8	2.8
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG23	8	2.8
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	2	2.8
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	2	2.8
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	2	2.8
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	2	2.8
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	14	2.8
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	14	2.8
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	14	2.8
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	14	2.8
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	20	2.8
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	20	2.8
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	20	2.8
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	20	2.8
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG2	15	2.8
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG3	15	2.8
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	20	2.8
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	20	2.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	20	2.8
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	20	2.8
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD2	8	2.8
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD3	8	2.8
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG2	11	2.8
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG3	11	2.8
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD1	5	2.8
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD2	5	2.8
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD1	7	2.8
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD2	7	2.8
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG21	1	2.8
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG22	1	2.8
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG23	1	2.8
(1,1053)	1:400:A:GLU:H	1:400:A:GLU:HG2	10	2.8
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB1	16	2.8
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB2	16	2.8
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB3	16	2.8
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	2	2.8
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	2	2.8
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	2	2.8
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	2	2.8
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	2	2.8
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	2	2.8
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	3	2.8
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	3	2.8
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	3	2.8
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	3	2.8
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	3	2.8
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	3	2.8
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	15	2.8
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	15	2.8
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	15	2.8
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	15	2.8
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	15	2.8
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	15	2.8
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	19	2.8
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	19	2.8
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	19	2.8
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	19	2.8
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	19	2.8
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	19	2.8
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	3	2.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	3	2.8
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	3	2.8
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	3	2.8
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	3	2.8
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	3	2.8
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	3	2.8
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	3	2.8
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	3	2.8
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG11	13	2.8
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG12	13	2.8
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG13	13	2.8
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG21	13	2.8
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG22	13	2.8
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG23	13	2.8
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	11	2.8
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	11	2.8
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	11	2.8
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	11	2.8
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	11	2.8
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	11	2.8
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	2	2.8
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	2	2.8
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	2	2.8
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	2	2.8
(1,663)	1:412:A:LEU:H	1:412:A:LEU:HG	20	2.8
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	5	2.8
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	5	2.8
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	5	2.8
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	5	2.8
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	5	2.8
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	5	2.8
(1,472)	1:424:A:MET:H	1:424:A:MET:HB2	1	2.8
(1,472)	1:424:A:MET:H	1:424:A:MET:HB3	1	2.8
(1,472)	1:424:A:MET:H	1:424:A:MET:HB2	6	2.8
(1,472)	1:424:A:MET:H	1:424:A:MET:HB3	6	2.8
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB2	15	2.8
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB3	15	2.8
(1,435)	1:421:A:ILE:H	1:422:A:LEU:H	8	2.8
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG2	15	2.8
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG3	15	2.8
(1,254)	1:434:A:ALA:HA	1:435:A:LYS:H	14	2.8
(1,239)	1:400:A:GLU:H	1:400:A:GLU:HG2	10	2.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,236)	1:399:A:LYS:HA	1:400:A:GLU:H	12	2.8
(1,230)	1:437:A:PHE:HA	1:438:A:ILE:H	13	2.8
(1,230)	1:437:A:PHE:HA	1:438:A:ILE:H	16	2.8
(1,135)	1:422:A:LEU:H	1:422:A:LEU:HB3	20	2.8
(1,120)	1:473:A:MET:H	1:473:A:MET:HG3	18	2.8
(1,77)	1:445:A:SER:HA	1:446:A:LYS:H	6	2.8
(1,77)	1:445:A:SER:HA	1:446:A:LYS:H	17	2.8
(1,73)	1:414:A:GLN:H	1:414:A:GLN:HB3	9	2.8
(1,56)	1:470:A:GLN:HA	1:471:A:ILE:H	10	2.8
(1,56)	1:470:A:GLN:HA	1:471:A:ILE:H	14	2.8
(1,56)	1:470:A:GLN:HA	1:471:A:ILE:H	19	2.8
(1,27)	1:426:A:MET:H	1:426:A:MET:HB2	13	2.8
(1,27)	1:426:A:MET:H	1:426:A:MET:HB3	13	2.8
(1,27)	1:426:A:MET:H	1:426:A:MET:HB2	17	2.8
(1,27)	1:426:A:MET:H	1:426:A:MET:HB3	17	2.8
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD2	4	2.8
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD3	4	2.8
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD1	9	2.79
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD2	9	2.79
(1,1474)	1:398:A:GLN:HB2	1:398:A:GLN:HG2	4	2.79
(1,1474)	1:398:A:GLN:HB3	1:398:A:GLN:HG2	4	2.79
(1,1474)	1:398:A:GLN:HB2	1:398:A:GLN:HG2	7	2.79
(1,1474)	1:398:A:GLN:HB3	1:398:A:GLN:HG2	7	2.79
(1,1474)	1:398:A:GLN:HB2	1:398:A:GLN:HG2	18	2.79
(1,1474)	1:398:A:GLN:HB3	1:398:A:GLN:HG2	18	2.79
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	17	2.79
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	17	2.79
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	17	2.79
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	17	2.79
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	17	2.79
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	17	2.79
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	17	2.79
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	17	2.79
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	17	2.79
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	17	2.79
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	2	2.79
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	2	2.79
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	2	2.79
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	2	2.79
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	11	2.79
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	11	2.79
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	11	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	11	2.79
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	15	2.79
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	15	2.79
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	15	2.79
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	15	2.79
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	18	2.79
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	18	2.79
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	18	2.79
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	18	2.79
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG21	13	2.79
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG22	13	2.79
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG23	13	2.79
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG21	14	2.79
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG22	14	2.79
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG23	14	2.79
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE1	5	2.79
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE2	5	2.79
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE3	5	2.79
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE1	5	2.79
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE2	5	2.79
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE3	5	2.79
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	5	2.79
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	5	2.79
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	5	2.79
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	5	2.79
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	5	2.79
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	5	2.79
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	8	2.79
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	8	2.79
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	8	2.79
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	8	2.79
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	8	2.79
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	8	2.79
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	14	2.79
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	14	2.79
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	14	2.79
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	14	2.79
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	14	2.79
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	14	2.79
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	12	2.79
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	12	2.79
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	12	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	12	2.79
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	12	2.79
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	12	2.79
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD11	3	2.79
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD12	3	2.79
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD13	3	2.79
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD21	3	2.79
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD22	3	2.79
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD23	3	2.79
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	9	2.79
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	9	2.79
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	9	2.79
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	9	2.79
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	9	2.79
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	9	2.79
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	9	2.79
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	9	2.79
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	9	2.79
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	9	2.79
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	9	2.79
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	9	2.79
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	9	2.79
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	9	2.79
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	9	2.79
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	9	2.79
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	9	2.79
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	9	2.79
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	13	2.79
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	13	2.79
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	13	2.79
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	13	2.79
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	13	2.79
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	13	2.79
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	18	2.79
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	18	2.79
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	18	2.79
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	18	2.79
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	18	2.79
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	18	2.79
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG21	9	2.79
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG22	9	2.79
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG23	9	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG21	15	2.79
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG22	15	2.79
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG23	15	2.79
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG21	19	2.79
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG22	19	2.79
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG23	19	2.79
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG21	20	2.79
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG22	20	2.79
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG23	20	2.79
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	2	2.79
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	2	2.79
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	2	2.79
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	2	2.79
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	11	2.79
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	11	2.79
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	11	2.79
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	11	2.79
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	15	2.79
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	15	2.79
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	15	2.79
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	15	2.79
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	18	2.79
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	18	2.79
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	18	2.79
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	18	2.79
(1,1214)	1:415:A:GLU:H	1:415:A:GLU:HB2	17	2.79
(1,1212)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	12	2.79
(1,1212)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	12	2.79
(1,1212)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	12	2.79
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	18	2.79
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	18	2.79
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	18	2.79
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	18	2.79
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	18	2.79
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	18	2.79
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD11	3	2.79
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD12	3	2.79
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD13	3	2.79
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD21	3	2.79
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD22	3	2.79
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD23	3	2.79
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG2	10	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG3	10	2.79
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG2	14	2.79
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG3	14	2.79
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	3	2.79
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	3	2.79
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD1	8	2.79
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD2	8	2.79
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG21	13	2.79
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG22	13	2.79
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG23	13	2.79
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG21	14	2.79
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG22	14	2.79
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG23	14	2.79
(1,1000)	1:467:A:ASN:H	1:467:A:ASN:HB2	2	2.79
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG21	4	2.79
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG22	4	2.79
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG23	4	2.79
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG21	5	2.79
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG22	5	2.79
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG23	5	2.79
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	18	2.79
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	18	2.79
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	18	2.79
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	18	2.79
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	18	2.79
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	18	2.79
(1,927)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	12	2.79
(1,927)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	12	2.79
(1,927)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	12	2.79
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	17	2.79
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	17	2.79
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	17	2.79
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	17	2.79
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	17	2.79
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	17	2.79
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	13	2.79
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	13	2.79
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	13	2.79
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	13	2.79
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	13	2.79
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	13	2.79
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	18	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	18	2.79
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	18	2.79
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	18	2.79
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	18	2.79
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	18	2.79
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	14	2.79
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	14	2.79
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	14	2.79
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	14	2.79
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	14	2.79
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	14	2.79
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	14	2.79
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	14	2.79
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	14	2.79
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG11	11	2.79
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG12	11	2.79
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG13	11	2.79
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG21	11	2.79
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG22	11	2.79
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG23	11	2.79
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	2	2.79
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	2	2.79
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	2	2.79
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	2	2.79
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	2	2.79
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	2	2.79
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	15	2.79
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	15	2.79
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	15	2.79
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	15	2.79
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	15	2.79
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	15	2.79
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	2	2.79
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	2	2.79
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	2	2.79
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	2	2.79
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	2	2.79
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	2	2.79
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE2	2	2.79
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE3	2	2.79
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE2	2	2.79
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE3	2	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	17	2.79
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	17	2.79
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	17	2.79
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	17	2.79
(1,663)	1:412:A:LEU:H	1:412:A:LEU:HG	4	2.79
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	3	2.79
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	3	2.79
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	3	2.79
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	3	2.79
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	3	2.79
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	3	2.79
(1,574)	1:466:A:MET:H	1:466:A:MET:HB2	20	2.79
(1,574)	1:466:A:MET:H	1:466:A:MET:HB3	20	2.79
(1,554)	1:425:A:PHE:H	1:425:A:PHE:HB2	12	2.79
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD11	2	2.79
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD12	2	2.79
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD13	2	2.79
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD21	2	2.79
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD22	2	2.79
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD23	2	2.79
(1,472)	1:424:A:MET:H	1:424:A:MET:HB2	13	2.79
(1,472)	1:424:A:MET:H	1:424:A:MET:HB3	13	2.79
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB2	14	2.79
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB3	14	2.79
(1,426)	1:442:A:THR:H	1:443:A:ASN:H	20	2.79
(1,331)	1:466:A:MET:H	1:467:A:ASN:H	13	2.79
(1,326)	1:402:A:PRO:HB2	1:403:A:GLU:H	10	2.79
(1,326)	1:402:A:PRO:HB3	1:403:A:GLU:H	10	2.79
(1,254)	1:434:A:ALA:HA	1:435:A:LYS:H	11	2.79
(1,230)	1:437:A:PHE:HA	1:438:A:ILE:H	4	2.79
(1,172)	1:398:A:GLN:HA	1:399:A:LYS:H	11	2.79
(1,172)	1:398:A:GLN:HA	1:399:A:LYS:H	12	2.79
(1,172)	1:398:A:GLN:HA	1:399:A:LYS:H	13	2.79
(1,172)	1:398:A:GLN:HA	1:399:A:LYS:H	17	2.79
(1,135)	1:422:A:LEU:H	1:422:A:LEU:HB3	4	2.79
(1,114)	1:489:A:PRO:HA	1:490:A:TYR:H	15	2.79
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB2	18	2.79
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB3	18	2.79
(1,88)	1:481:A:LYS:H	1:481:A:LYS:HB3	19	2.79
(1,77)	1:445:A:SER:HA	1:446:A:LYS:H	2	2.79
(1,56)	1:470:A:GLN:HA	1:471:A:ILE:H	1	2.79
(1,56)	1:470:A:GLN:HA	1:471:A:ILE:H	3	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:470:A:GLN:HA	1:471:A:ILE:H	5	2.79
(1,56)	1:470:A:GLN:HA	1:471:A:ILE:H	6	2.79
(1,56)	1:470:A:GLN:HA	1:471:A:ILE:H	12	2.79
(1,56)	1:470:A:GLN:HA	1:471:A:ILE:H	18	2.79
(1,27)	1:426:A:MET:H	1:426:A:MET:HB2	15	2.79
(1,27)	1:426:A:MET:H	1:426:A:MET:HB3	15	2.79
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD2	11	2.79
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD3	11	2.79
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD1	11	2.78
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD2	11	2.78
(1,1474)	1:398:A:GLN:HB2	1:398:A:GLN:HG2	2	2.78
(1,1474)	1:398:A:GLN:HB3	1:398:A:GLN:HG2	2	2.78
(1,1474)	1:398:A:GLN:HB2	1:398:A:GLN:HG2	10	2.78
(1,1474)	1:398:A:GLN:HB3	1:398:A:GLN:HG2	10	2.78
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	9	2.78
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	9	2.78
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	9	2.78
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	9	2.78
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	9	2.78
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	9	2.78
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	9	2.78
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	9	2.78
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	9	2.78
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	2	2.78
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	2	2.78
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	2	2.78
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	2	2.78
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	2	2.78
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	2	2.78
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	2	2.78
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	2	2.78
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	2	2.78
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	2	2.78
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	2	2.78
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	2	2.78
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	2	2.78
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	2	2.78
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	2	2.78
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	2	2.78
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	2	2.78
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	2	2.78
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	9	2.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	9	2.78
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	9	2.78
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	9	2.78
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	9	2.78
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	9	2.78
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	12	2.78
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	12	2.78
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	12	2.78
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	12	2.78
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	3	2.78
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	3	2.78
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	3	2.78
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	3	2.78
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	7	2.78
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	7	2.78
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	7	2.78
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	7	2.78
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	12	2.78
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	12	2.78
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	12	2.78
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	12	2.78
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG21	4	2.78
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG22	4	2.78
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG23	4	2.78
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG21	18	2.78
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG22	18	2.78
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG23	18	2.78
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG21	19	2.78
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG22	19	2.78
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG23	19	2.78
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG11	13	2.78
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG12	13	2.78
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG13	13	2.78
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG21	13	2.78
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG22	13	2.78
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG23	13	2.78
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE1	9	2.78
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE2	9	2.78
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE3	9	2.78
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE1	9	2.78
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE2	9	2.78
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE3	9	2.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE1	11	2.78
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE2	11	2.78
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE3	11	2.78
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE1	11	2.78
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE2	11	2.78
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE3	11	2.78
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE1	14	2.78
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE2	14	2.78
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE3	14	2.78
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE1	14	2.78
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE2	14	2.78
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE3	14	2.78
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	2	2.78
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	2	2.78
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	2	2.78
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	2	2.78
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	2	2.78
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	2	2.78
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	1	2.78
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	1	2.78
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	1	2.78
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	1	2.78
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	1	2.78
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	1	2.78
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG21	1	2.78
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG22	1	2.78
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG23	1	2.78
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG21	16	2.78
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG22	16	2.78
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG23	16	2.78
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	7	2.78
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	7	2.78
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	7	2.78
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	7	2.78
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	12	2.78
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	12	2.78
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	12	2.78
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	12	2.78
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	2	2.78
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	2	2.78
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	2	2.78
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	2	2.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	2	2.78
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	2	2.78
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	2	2.78
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	2	2.78
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	2	2.78
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	2	2.78
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	2	2.78
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	2	2.78
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	2	2.78
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	2	2.78
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	2	2.78
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	2	2.78
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	2	2.78
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	2	2.78
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD2	10	2.78
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD3	10	2.78
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD2	15	2.78
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD3	15	2.78
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	4	2.78
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	4	2.78
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	4	2.78
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	4	2.78
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD2	20	2.78
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD3	20	2.78
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG2	13	2.78
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG3	13	2.78
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG2	15	2.78
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG3	15	2.78
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG2	16	2.78
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG3	16	2.78
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG2	17	2.78
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG3	17	2.78
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	1	2.78
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	1	2.78
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	12	2.78
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	12	2.78
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG21	4	2.78
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG22	4	2.78
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG23	4	2.78
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG21	18	2.78
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG22	18	2.78
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG23	18	2.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG21	19	2.78
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG22	19	2.78
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG23	19	2.78
(1,1053)	1:400:A:GLU:H	1:400:A:GLU:HG2	20	2.78
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	9	2.78
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	9	2.78
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	9	2.78
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	9	2.78
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	9	2.78
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	9	2.78
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	9	2.78
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	9	2.78
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	9	2.78
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG21	7	2.78
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG22	7	2.78
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG23	7	2.78
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG21	13	2.78
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG22	13	2.78
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG23	13	2.78
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG21	14	2.78
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG22	14	2.78
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG23	14	2.78
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG21	20	2.78
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG22	20	2.78
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG23	20	2.78
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	19	2.78
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	19	2.78
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	19	2.78
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	19	2.78
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	19	2.78
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	19	2.78
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	19	2.78
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	19	2.78
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	19	2.78
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	9	2.78
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	9	2.78
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	9	2.78
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	9	2.78
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	9	2.78
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	9	2.78
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	1	2.78
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	1	2.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	1	2.78
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	1	2.78
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	1	2.78
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	1	2.78
(1,896)	1:462:A:ALA:HB1	1:463:A:ILE:H	15	2.78
(1,896)	1:462:A:ALA:HB2	1:463:A:ILE:H	15	2.78
(1,896)	1:462:A:ALA:HB3	1:463:A:ILE:H	15	2.78
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD2	6	2.78
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD3	6	2.78
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	19	2.78
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	19	2.78
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	19	2.78
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	19	2.78
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	19	2.78
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	19	2.78
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	19	2.78
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	19	2.78
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	19	2.78
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG11	10	2.78
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG12	10	2.78
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG13	10	2.78
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG21	10	2.78
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG22	10	2.78
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG23	10	2.78
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG11	16	2.78
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG12	16	2.78
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG13	16	2.78
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG21	16	2.78
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG22	16	2.78
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG23	16	2.78
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG21	7	2.78
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG22	7	2.78
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG23	7	2.78
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG21	10	2.78
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG22	10	2.78
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG23	10	2.78
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG21	20	2.78
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG22	20	2.78
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG23	20	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	1	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	1	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	1	2.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	1	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	1	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	1	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	3	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	3	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	3	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	3	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	3	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	3	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	4	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	4	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	4	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	4	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	4	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	4	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	9	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	9	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	9	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	9	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	9	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	9	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	17	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	17	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	17	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	17	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	17	2.78
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	17	2.78
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD11	13	2.78
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD12	13	2.78
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD13	13	2.78
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD21	13	2.78
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD22	13	2.78
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD23	13	2.78
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE2	19	2.78
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE3	19	2.78
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE2	19	2.78
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE3	19	2.78
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	3	2.78
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	3	2.78
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	3	2.78
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	3	2.78
(1,599)	1:428:A:PHE:H	1:429:A:GLY:H	11	2.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:448:A:PHE:HA	1:449:A:GLY:H	6	2.78
(1,589)	1:448:A:PHE:HA	1:449:A:GLY:H	20	2.78
(1,527)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	3	2.78
(1,527)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	3	2.78
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB2	19	2.78
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB3	19	2.78
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB2	14	2.78
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB3	14	2.78
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD1	11	2.78
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD2	11	2.78
(1,326)	1:402:A:PRO:HB2	1:403:A:GLU:H	9	2.78
(1,326)	1:402:A:PRO:HB3	1:403:A:GLU:H	9	2.78
(1,254)	1:434:A:ALA:HA	1:435:A:LYS:H	12	2.78
(1,254)	1:434:A:ALA:HA	1:435:A:LYS:H	15	2.78
(1,239)	1:400:A:GLU:H	1:400:A:GLU:HG2	20	2.78
(1,236)	1:399:A:LYS:HA	1:400:A:GLU:H	4	2.78
(1,236)	1:399:A:LYS:HA	1:400:A:GLU:H	16	2.78
(1,172)	1:398:A:GLN:HA	1:399:A:LYS:H	15	2.78
(1,77)	1:445:A:SER:HA	1:446:A:LYS:H	14	2.78
(1,56)	1:470:A:GLN:HA	1:471:A:ILE:H	2	2.78
(1,27)	1:426:A:MET:H	1:426:A:MET:HB2	5	2.78
(1,27)	1:426:A:MET:H	1:426:A:MET:HB3	5	2.78
(1,27)	1:426:A:MET:H	1:426:A:MET:HB2	9	2.78
(1,27)	1:426:A:MET:H	1:426:A:MET:HB3	9	2.78
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	14	2.77
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	14	2.77
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	14	2.77
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	14	2.77
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	11	2.77
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	11	2.77
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	11	2.77
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	11	2.77
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	11	2.77
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	11	2.77
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD1	15	2.77
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD2	15	2.77
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD1	15	2.77
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD2	15	2.77
(1,1537)	1:448:A:PHE:HD1	1:449:A:GLY:H	17	2.77
(1,1537)	1:448:A:PHE:HD2	1:449:A:GLY:H	17	2.77
(1,1474)	1:398:A:GLN:HB2	1:398:A:GLN:HG2	6	2.77
(1,1474)	1:398:A:GLN:HB3	1:398:A:GLN:HG2	6	2.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1474)	1:398:A:GLN:HB2	1:398:A:GLN:HG2	16	2.77
(1,1474)	1:398:A:GLN:HB3	1:398:A:GLN:HG2	16	2.77
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG21	8	2.77
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG22	8	2.77
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG23	8	2.77
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG21	8	2.77
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG22	8	2.77
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG23	8	2.77
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	18	2.77
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	18	2.77
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	18	2.77
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	18	2.77
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	18	2.77
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	18	2.77
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	18	2.77
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	18	2.77
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	18	2.77
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	18	2.77
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	18	2.77
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	18	2.77
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	18	2.77
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	18	2.77
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	18	2.77
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	18	2.77
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	18	2.77
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	18	2.77
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG21	11	2.77
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG22	11	2.77
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG23	11	2.77
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE1	3	2.77
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE2	3	2.77
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE3	3	2.77
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE1	3	2.77
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE2	3	2.77
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE3	3	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	7	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	7	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	7	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	7	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	7	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	7	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	15	2.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	15	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	15	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	15	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	15	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	15	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	16	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	16	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	16	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	16	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	16	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	16	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	20	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	20	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	20	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	20	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	20	2.77
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	20	2.77
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG21	5	2.77
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG22	5	2.77
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG23	5	2.77
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG21	10	2.77
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG22	10	2.77
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG23	10	2.77
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD11	15	2.77
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD12	15	2.77
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD13	15	2.77
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD21	15	2.77
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD22	15	2.77
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD23	15	2.77
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD2	3	2.77
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD3	3	2.77
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD2	15	2.77
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD3	15	2.77
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD2	15	2.77
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD3	15	2.77
(1,1175)	1:439:A:ASP:HA	1:440:A:LYS:H	7	2.77
(1,1175)	1:439:A:ASP:HA	1:440:A:LYS:H	9	2.77
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG2	19	2.77
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG3	19	2.77
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	8	2.77
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	8	2.77
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG21	11	2.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG22	11	2.77
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG23	11	2.77
(1,1053)	1:400:A:GLU:H	1:400:A:GLU:HG2	3	2.77
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	18	2.77
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	18	2.77
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	18	2.77
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	18	2.77
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	18	2.77
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	18	2.77
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	18	2.77
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	18	2.77
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	18	2.77
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD11	11	2.77
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD12	11	2.77
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD13	11	2.77
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG21	12	2.77
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG22	12	2.77
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG23	12	2.77
(1,936)	1:459:A:ALA:HB1	1:460:A:GLN:H	3	2.77
(1,936)	1:459:A:ALA:HB2	1:460:A:GLN:H	3	2.77
(1,936)	1:459:A:ALA:HB3	1:460:A:GLN:H	3	2.77
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	17	2.77
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	17	2.77
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	17	2.77
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	17	2.77
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	17	2.77
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	17	2.77
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	17	2.77
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	17	2.77
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	17	2.77
(1,896)	1:462:A:ALA:HB1	1:463:A:ILE:H	3	2.77
(1,896)	1:462:A:ALA:HB2	1:463:A:ILE:H	3	2.77
(1,896)	1:462:A:ALA:HB3	1:463:A:ILE:H	3	2.77
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	17	2.77
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	17	2.77
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	17	2.77
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	17	2.77
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	17	2.77
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	17	2.77
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	17	2.77
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	17	2.77
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	17	2.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,775)	1:451:A:VAL:HG21	1:452:A:SER:H	17	2.77
(1,775)	1:451:A:VAL:HG22	1:452:A:SER:H	17	2.77
(1,775)	1:451:A:VAL:HG23	1:452:A:SER:H	17	2.77
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG11	14	2.77
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG12	14	2.77
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG13	14	2.77
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG21	14	2.77
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG22	14	2.77
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG23	14	2.77
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG21	4	2.77
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG22	4	2.77
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG23	4	2.77
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	5	2.77
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	5	2.77
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	5	2.77
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	5	2.77
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	5	2.77
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	5	2.77
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	18	2.77
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	18	2.77
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	18	2.77
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	18	2.77
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	18	2.77
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	18	2.77
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	19	2.77
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	19	2.77
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	19	2.77
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	19	2.77
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	19	2.77
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	19	2.77
(1,589)	1:448:A:PHE:HA	1:449:A:GLY:H	14	2.77
(1,589)	1:448:A:PHE:HA	1:449:A:GLY:H	18	2.77
(1,554)	1:425:A:PHE:H	1:425:A:PHE:HB2	2	2.77
(1,527)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	6	2.77
(1,527)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	6	2.77
(1,527)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	11	2.77
(1,527)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	11	2.77
(1,472)	1:424:A:MET:H	1:424:A:MET:HB2	14	2.77
(1,472)	1:424:A:MET:H	1:424:A:MET:HB3	14	2.77
(1,435)	1:421:A:ILE:H	1:422:A:LEU:H	17	2.77
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB2	12	2.77
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB3	12	2.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,330)	1:403:A:GLU:H	1:403:A:GLU:HB2	1	2.77
(1,330)	1:403:A:GLU:H	1:403:A:GLU:HB2	15	2.77
(1,326)	1:402:A:PRO:HB2	1:403:A:GLU:H	16	2.77
(1,326)	1:402:A:PRO:HB3	1:403:A:GLU:H	16	2.77
(1,325)	1:451:A:VAL:HG21	1:452:A:SER:H	17	2.77
(1,325)	1:451:A:VAL:HG22	1:452:A:SER:H	17	2.77
(1,325)	1:451:A:VAL:HG23	1:452:A:SER:H	17	2.77
(1,254)	1:434:A:ALA:HA	1:435:A:LYS:H	9	2.77
(1,239)	1:400:A:GLU:H	1:400:A:GLU:HG2	3	2.77
(1,172)	1:398:A:GLN:HA	1:399:A:LYS:H	20	2.77
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB2	17	2.77
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB3	17	2.77
(1,135)	1:422:A:LEU:H	1:422:A:LEU:HB3	11	2.77
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB2	3	2.77
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB3	3	2.77
(1,77)	1:445:A:SER:HA	1:446:A:LYS:H	9	2.77
(1,77)	1:445:A:SER:HA	1:446:A:LYS:H	19	2.77
(1,77)	1:445:A:SER:HA	1:446:A:LYS:H	20	2.77
(1,56)	1:470:A:GLN:HA	1:471:A:ILE:H	4	2.77
(1,56)	1:470:A:GLN:HA	1:471:A:ILE:H	13	2.77
(1,56)	1:470:A:GLN:HA	1:471:A:ILE:H	15	2.77
(1,56)	1:470:A:GLN:HA	1:471:A:ILE:H	16	2.77
(1,46)	1:439:A:ASP:H	1:439:A:ASP:HB2	8	2.77
(1,27)	1:426:A:MET:H	1:426:A:MET:HB2	8	2.77
(1,27)	1:426:A:MET:H	1:426:A:MET:HB3	8	2.77
(1,27)	1:426:A:MET:H	1:426:A:MET:HB2	20	2.77
(1,27)	1:426:A:MET:H	1:426:A:MET:HB3	20	2.77
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD1	1	2.76
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD2	1	2.76
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD1	8	2.76
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD2	8	2.76
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD11	17	2.76
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD12	17	2.76
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD13	17	2.76
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD11	17	2.76
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD12	17	2.76
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD13	17	2.76
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB2	3	2.76
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB3	3	2.76
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD11	17	2.76
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD12	17	2.76
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD13	17	2.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD11	17	2.76
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD12	17	2.76
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD13	17	2.76
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG11	6	2.76
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG12	6	2.76
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG13	6	2.76
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	2	2.76
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	2	2.76
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	2	2.76
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	2	2.76
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	2	2.76
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	2	2.76
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	2	2.76
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	2	2.76
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	2	2.76
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	5	2.76
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	5	2.76
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	5	2.76
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	5	2.76
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	5	2.76
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	5	2.76
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	5	2.76
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	5	2.76
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	5	2.76
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	4	2.76
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	4	2.76
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	4	2.76
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	4	2.76
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	8	2.76
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	8	2.76
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	8	2.76
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	8	2.76
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG21	15	2.76
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG22	15	2.76
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG23	15	2.76
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG11	6	2.76
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG12	6	2.76
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG13	6	2.76
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE1	2	2.76
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE2	2	2.76
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE3	2	2.76
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE1	2	2.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE2	2	2.76
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE3	2	2.76
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE1	16	2.76
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE2	16	2.76
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE3	16	2.76
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE1	16	2.76
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE2	16	2.76
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE3	16	2.76
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	11	2.76
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	11	2.76
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	11	2.76
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	11	2.76
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	11	2.76
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	11	2.76
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	19	2.76
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	19	2.76
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	19	2.76
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	19	2.76
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	19	2.76
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	19	2.76
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG21	12	2.76
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG22	12	2.76
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG23	12	2.76
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD2	1	2.76
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD3	1	2.76
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD2	6	2.76
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD3	6	2.76
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD2	5	2.76
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD3	5	2.76
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD2	19	2.76
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD3	19	2.76
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD2	19	2.76
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD3	19	2.76
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	20	2.76
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	20	2.76
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	20	2.76
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	20	2.76
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	20	2.76
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	20	2.76
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG2	4	2.76
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG3	4	2.76
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	7	2.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	7	2.76
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	9	2.76
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	9	2.76
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB2	3	2.76
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB3	3	2.76
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG21	15	2.76
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG22	15	2.76
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG23	15	2.76
(1,1053)	1:400:A:GLU:H	1:400:A:GLU:HG2	14	2.76
(1,998)	1:485:A:ASN:HB3	1:486:A:ASP:H	15	2.76
(1,985)	1:416:A:PHE:HB3	1:417:A:GLY:H	3	2.76
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	20	2.76
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	20	2.76
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	20	2.76
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	20	2.76
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	20	2.76
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	20	2.76
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB1	7	2.76
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB2	7	2.76
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB3	7	2.76
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG11	18	2.76
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG12	18	2.76
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG13	18	2.76
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG21	18	2.76
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG22	18	2.76
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG23	18	2.76
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG21	13	2.76
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG22	13	2.76
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG23	13	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	4	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	4	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	4	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	4	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	4	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	4	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	6	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	6	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	6	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	6	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	6	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	6	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	16	2.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	16	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	16	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	16	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	16	2.76
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	16	2.76
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	5	2.76
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	5	2.76
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	5	2.76
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	5	2.76
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	5	2.76
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	5	2.76
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	7	2.76
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	7	2.76
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	7	2.76
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	7	2.76
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	7	2.76
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	7	2.76
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	18	2.76
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	18	2.76
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	18	2.76
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	18	2.76
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	18	2.76
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	18	2.76
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	8	2.76
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	8	2.76
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	8	2.76
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	8	2.76
(1,527)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	10	2.76
(1,527)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	10	2.76
(1,527)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	15	2.76
(1,527)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	15	2.76
(1,472)	1:424:A:MET:H	1:424:A:MET:HB2	2	2.76
(1,472)	1:424:A:MET:H	1:424:A:MET:HB3	2	2.76
(1,310)	1:475:A:ARG:H	1:475:A:ARG:HD2	5	2.76
(1,239)	1:400:A:GLU:H	1:400:A:GLU:HG2	14	2.76
(1,236)	1:399:A:LYS:HA	1:400:A:GLU:H	1	2.76
(1,172)	1:398:A:GLN:HA	1:399:A:LYS:H	14	2.76
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB2	10	2.76
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB3	10	2.76
(1,135)	1:422:A:LEU:H	1:422:A:LEU:HB3	17	2.76
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB2	13	2.76
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB3	13	2.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD1	9	2.76
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD2	9	2.76
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD1	10	2.76
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD2	10	2.76
(1,56)	1:470:A:GLN:HA	1:471:A:ILE:H	20	2.76
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD2	10	2.76
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD3	10	2.76
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD1	15	2.75
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD2	15	2.75
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD1	16	2.75
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD2	16	2.75
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	20	2.75
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	20	2.75
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	20	2.75
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	20	2.75
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	20	2.75
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	20	2.75
(1,1474)	1:398:A:GLN:HB2	1:398:A:GLN:HG2	17	2.75
(1,1474)	1:398:A:GLN:HB3	1:398:A:GLN:HG2	17	2.75
(1,1462)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	15	2.75
(1,1462)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	15	2.75
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB2	4	2.75
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB3	4	2.75
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB2	6	2.75
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB3	6	2.75
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB2	10	2.75
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB3	10	2.75
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB2	14	2.75
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB3	14	2.75
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	19	2.75
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	19	2.75
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	19	2.75
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	19	2.75
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	19	2.75
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	19	2.75
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	19	2.75
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	19	2.75
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	19	2.75
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	16	2.75
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	16	2.75
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	16	2.75
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	16	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	16	2.75
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	16	2.75
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	16	2.75
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	16	2.75
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	16	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	13	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	13	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	13	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	13	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	13	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	13	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	14	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	14	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	14	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	14	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	14	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	14	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	20	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	20	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	20	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	20	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	20	2.75
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	20	2.75
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	15	2.75
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	15	2.75
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	15	2.75
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	15	2.75
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	15	2.75
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	15	2.75
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	16	2.75
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	16	2.75
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	16	2.75
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	16	2.75
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	16	2.75
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	16	2.75
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	19	2.75
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	19	2.75
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	19	2.75
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	19	2.75
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	19	2.75
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	19	2.75
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG21	5	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG22	5	2.75
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG23	5	2.75
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG21	9	2.75
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG22	9	2.75
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG23	9	2.75
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG21	16	2.75
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG22	16	2.75
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG23	16	2.75
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE1	7	2.75
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE2	7	2.75
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE3	7	2.75
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE1	7	2.75
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE2	7	2.75
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE3	7	2.75
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE1	12	2.75
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE2	12	2.75
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE3	12	2.75
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE1	12	2.75
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE2	12	2.75
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE3	12	2.75
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE1	19	2.75
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE2	19	2.75
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE3	19	2.75
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE1	19	2.75
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE2	19	2.75
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE3	19	2.75
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	8	2.75
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	8	2.75
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	8	2.75
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	8	2.75
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	8	2.75
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	8	2.75
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG21	11	2.75
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG22	11	2.75
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG23	11	2.75
(1,1222)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	15	2.75
(1,1222)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	15	2.75
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD2	16	2.75
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD3	16	2.75
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD2	13	2.75
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD3	13	2.75
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD2	19	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD3	19	2.75
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	10	2.75
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	10	2.75
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	10	2.75
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	10	2.75
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	13	2.75
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	13	2.75
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	13	2.75
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	13	2.75
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD2	8	2.75
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD3	8	2.75
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD2	8	2.75
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD3	8	2.75
(1,1113)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	15	2.75
(1,1113)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	15	2.75
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD1	13	2.75
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD2	13	2.75
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB2	4	2.75
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB3	4	2.75
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB2	6	2.75
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB3	6	2.75
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB2	10	2.75
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB3	10	2.75
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB2	14	2.75
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB3	14	2.75
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG21	5	2.75
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG22	5	2.75
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG23	5	2.75
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG21	9	2.75
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG22	9	2.75
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG23	9	2.75
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG21	16	2.75
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG22	16	2.75
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG23	16	2.75
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	19	2.75
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	19	2.75
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	19	2.75
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	19	2.75
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	19	2.75
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	19	2.75
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	19	2.75
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	19	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	19	2.75
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	9	2.75
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	9	2.75
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	9	2.75
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	9	2.75
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	9	2.75
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	9	2.75
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	9	2.75
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	9	2.75
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	9	2.75
(1,985)	1:416:A:PHE:HB3	1:417:A:GLY:H	4	2.75
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG21	6	2.75
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG22	6	2.75
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG23	6	2.75
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB1	3	2.75
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB2	3	2.75
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB3	3	2.75
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	9	2.75
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	9	2.75
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	9	2.75
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	9	2.75
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	9	2.75
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	9	2.75
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	9	2.75
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	9	2.75
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	9	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	13	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	13	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	13	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	13	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	13	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	13	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	14	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	14	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	14	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	14	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	14	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	14	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	20	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	20	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	20	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	20	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	20	2.75
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	20	2.75
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	16	2.75
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	16	2.75
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	17	2.75
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	17	2.75
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	17	2.75
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	17	2.75
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	9	2.75
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	9	2.75
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	9	2.75
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	9	2.75
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	9	2.75
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	9	2.75
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	9	2.75
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	9	2.75
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	9	2.75
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	9	2.75
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	9	2.75
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	9	2.75
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	9	2.75
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	9	2.75
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	9	2.75
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	9	2.75
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	9	2.75
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	9	2.75
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG11	5	2.75
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG12	5	2.75
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG13	5	2.75
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG21	5	2.75
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG22	5	2.75
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG23	5	2.75
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG11	20	2.75
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG12	20	2.75
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG13	20	2.75
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG21	20	2.75
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG22	20	2.75
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG23	20	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	1	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	1	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	1	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	1	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	1	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	1	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	3	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	3	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	3	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	3	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	3	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	3	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	9	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	9	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	9	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	9	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	9	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	9	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	17	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	17	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	17	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	17	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	17	2.75
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	17	2.75
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG2	2	2.75
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG3	2	2.75
(1,679)	1:477:A:LYS:HG2	1:478:A:VAL:H	17	2.75
(1,679)	1:477:A:LYS:HG3	1:478:A:VAL:H	17	2.75
(1,589)	1:448:A:PHE:HA	1:449:A:GLY:H	4	2.75
(1,589)	1:448:A:PHE:HA	1:449:A:GLY:H	5	2.75
(1,554)	1:425:A:PHE:H	1:425:A:PHE:HB2	4	2.75
(1,527)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	1	2.75
(1,527)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	1	2.75
(1,527)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	9	2.75
(1,527)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	9	2.75
(1,527)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	12	2.75
(1,527)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	12	2.75
(1,527)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	20	2.75
(1,527)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	20	2.75
(1,426)	1:442:A:THR:H	1:443:A:ASN:H	2	2.75
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB2	1	2.75
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB3	1	2.75
(1,330)	1:403:A:GLU:H	1:403:A:GLU:HB2	20	2.75
(1,326)	1:402:A:PRO:HB2	1:403:A:GLU:H	18	2.75
(1,326)	1:402:A:PRO:HB3	1:403:A:GLU:H	18	2.75
(1,310)	1:475:A:ARG:H	1:475:A:ARG:HD2	3	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,254)	1:434:A:ALA:HA	1:435:A:LYS:H	6	2.75
(1,236)	1:399:A:LYS:HA	1:400:A:GLU:H	5	2.75
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG12	6	2.75
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG13	6	2.75
(1,230)	1:437:A:PHE:HA	1:438:A:ILE:H	3	2.75
(1,172)	1:398:A:GLN:HA	1:399:A:LYS:H	1	2.75
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB2	4	2.75
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB3	4	2.75
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB2	20	2.75
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB3	20	2.75
(1,120)	1:473:A:MET:H	1:473:A:MET:HG3	5	2.75
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD1	13	2.75
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD2	13	2.75
(1,1598)	1:453:A:TYR:HE1	1:459:A:ALA:HA	13	2.74
(1,1598)	1:453:A:TYR:HE2	1:459:A:ALA:HA	13	2.74
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	3	2.74
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	3	2.74
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	3	2.74
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	3	2.74
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	3	2.74
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	3	2.74
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD1	20	2.74
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD2	20	2.74
(1,1474)	1:398:A:GLN:HB2	1:398:A:GLN:HG2	1	2.74
(1,1474)	1:398:A:GLN:HB3	1:398:A:GLN:HG2	1	2.74
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB2	5	2.74
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB3	5	2.74
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB2	13	2.74
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB3	13	2.74
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB2	18	2.74
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB3	18	2.74
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG11	1	2.74
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG12	1	2.74
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG13	1	2.74
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG11	5	2.74
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG12	5	2.74
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG13	5	2.74
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG11	10	2.74
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG12	10	2.74
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG13	10	2.74
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	6	2.74
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	6	2.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	6	2.74
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	6	2.74
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	17	2.74
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	17	2.74
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	17	2.74
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	17	2.74
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG11	1	2.74
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG12	1	2.74
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG13	1	2.74
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG11	5	2.74
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG12	5	2.74
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG13	5	2.74
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG11	10	2.74
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG12	10	2.74
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG13	10	2.74
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG11	20	2.74
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG12	20	2.74
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG13	20	2.74
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG21	20	2.74
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG22	20	2.74
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG23	20	2.74
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	9	2.74
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	9	2.74
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	9	2.74
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	9	2.74
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	9	2.74
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	9	2.74
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	17	2.74
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	17	2.74
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	17	2.74
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	17	2.74
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	17	2.74
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	17	2.74
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG21	14	2.74
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG22	14	2.74
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG23	14	2.74
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	17	2.74
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	17	2.74
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	17	2.74
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	17	2.74
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	12	2.74
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	12	2.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	12	2.74
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	12	2.74
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	14	2.74
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	14	2.74
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	14	2.74
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	14	2.74
(1,1163)	1:453:A:TYR:HE1	1:459:A:ALA:HA	13	2.74
(1,1163)	1:453:A:TYR:HE2	1:459:A:ALA:HA	13	2.74
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD1	20	2.74
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD2	20	2.74
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB2	5	2.74
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB3	5	2.74
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB2	13	2.74
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB3	13	2.74
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB2	18	2.74
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB3	18	2.74
(1,1053)	1:400:A:GLU:H	1:400:A:GLU:HG2	15	2.74
(1,985)	1:416:A:PHE:HB3	1:417:A:GLY:H	16	2.74
(1,963)	1:420:A:ASP:H	1:420:A:ASP:HB3	3	2.74
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG21	8	2.74
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG22	8	2.74
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG23	8	2.74
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG21	19	2.74
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG22	19	2.74
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG23	19	2.74
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB1	12	2.74
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB2	12	2.74
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB3	12	2.74
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB1	17	2.74
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB2	17	2.74
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB3	17	2.74
(1,887)	1:433:A:SER:HB3	1:434:A:ALA:H	11	2.74
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	10	2.74
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	10	2.74
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	10	2.74
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	10	2.74
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	10	2.74
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	10	2.74
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	10	2.74
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	10	2.74
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	10	2.74
(1,775)	1:451:A:VAL:HG21	1:452:A:SER:H	6	2.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,775)	1:451:A:VAL:HG22	1:452:A:SER:H	6	2.74
(1,775)	1:451:A:VAL:HG23	1:452:A:SER:H	6	2.74
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG11	6	2.74
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG12	6	2.74
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG13	6	2.74
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG21	6	2.74
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG22	6	2.74
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG23	6	2.74
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	10	2.74
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	10	2.74
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	10	2.74
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	10	2.74
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	10	2.74
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	10	2.74
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	13	2.74
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	13	2.74
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	13	2.74
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	13	2.74
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	13	2.74
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	13	2.74
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG2	1	2.74
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG3	1	2.74
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG2	7	2.74
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG3	7	2.74
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	6	2.74
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	6	2.74
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	6	2.74
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	6	2.74
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	15	2.74
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	15	2.74
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	15	2.74
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	15	2.74
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	15	2.74
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	15	2.74
(1,589)	1:448:A:PHE:HA	1:449:A:GLY:H	2	2.74
(1,574)	1:466:A:MET:H	1:466:A:MET:HB2	4	2.74
(1,574)	1:466:A:MET:H	1:466:A:MET:HB3	4	2.74
(1,527)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	2	2.74
(1,527)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	2	2.74
(1,527)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	7	2.74
(1,527)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	7	2.74
(1,472)	1:424:A:MET:H	1:424:A:MET:HB2	4	2.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,472)	1:424:A:MET:H	1:424:A:MET:HB3	4	2.74
(1,472)	1:424:A:MET:H	1:424:A:MET:HB2	7	2.74
(1,472)	1:424:A:MET:H	1:424:A:MET:HB3	7	2.74
(1,462)	1:423:A:GLN:H	1:424:A:MET:H	19	2.74
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB2	9	2.74
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB3	9	2.74
(1,427)	1:443:A:ASN:H	1:443:A:ASN:HA	12	2.74
(1,427)	1:443:A:ASN:H	1:443:A:ASN:HA	16	2.74
(1,426)	1:442:A:THR:H	1:443:A:ASN:H	4	2.74
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB2	6	2.74
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB3	6	2.74
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB2	13	2.74
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB3	13	2.74
(1,386)	1:420:A:ASP:H	1:420:A:ASP:HB3	3	2.74
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD1	20	2.74
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD2	20	2.74
(1,331)	1:466:A:MET:H	1:467:A:ASN:H	6	2.74
(1,326)	1:402:A:PRO:HB2	1:403:A:GLU:H	14	2.74
(1,326)	1:402:A:PRO:HB3	1:403:A:GLU:H	14	2.74
(1,325)	1:451:A:VAL:HG21	1:452:A:SER:H	6	2.74
(1,325)	1:451:A:VAL:HG22	1:452:A:SER:H	6	2.74
(1,325)	1:451:A:VAL:HG23	1:452:A:SER:H	6	2.74
(1,239)	1:400:A:GLU:H	1:400:A:GLU:HG2	15	2.74
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB1	12	2.74
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB2	12	2.74
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB3	12	2.74
(1,172)	1:398:A:GLN:HA	1:399:A:LYS:H	8	2.74
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB2	9	2.74
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB3	9	2.74
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD11	4	2.74
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD12	4	2.74
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD13	4	2.74
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD21	4	2.74
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD22	4	2.74
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD23	4	2.74
(1,120)	1:473:A:MET:H	1:473:A:MET:HG3	2	2.74
(1,77)	1:445:A:SER:HA	1:446:A:LYS:H	12	2.74
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD2	14	2.74
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD3	14	2.74
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	5	2.73
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	5	2.73
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	5	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	5	2.73
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	5	2.73
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	5	2.73
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD2	2	2.73
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD3	2	2.73
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD2	2	2.73
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD3	2	2.73
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB2	19	2.73
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB3	19	2.73
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD1	19	2.73
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD2	19	2.73
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG11	2	2.73
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG12	2	2.73
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG13	2	2.73
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	14	2.73
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	14	2.73
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	14	2.73
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	14	2.73
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	14	2.73
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	14	2.73
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	14	2.73
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	14	2.73
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	14	2.73
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	15	2.73
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	15	2.73
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	15	2.73
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	15	2.73
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	15	2.73
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	15	2.73
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	15	2.73
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	15	2.73
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	15	2.73
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	18	2.73
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	18	2.73
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	18	2.73
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	18	2.73
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	18	2.73
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	18	2.73
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	9	2.73
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	9	2.73
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	9	2.73
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	9	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG21	12	2.73
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG22	12	2.73
(1,1345)	1:409:A:ILE:HA	1:409:A:ILE:HG23	12	2.73
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG11	2	2.73
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG12	2	2.73
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG13	2	2.73
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE1	8	2.73
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE2	8	2.73
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE3	8	2.73
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE1	8	2.73
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE2	8	2.73
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE3	8	2.73
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	14	2.73
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	14	2.73
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	14	2.73
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	14	2.73
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	14	2.73
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	14	2.73
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	19	2.73
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	19	2.73
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	19	2.73
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	19	2.73
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG2	2	2.73
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG3	2	2.73
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG2	18	2.73
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG3	18	2.73
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB2	19	2.73
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB3	19	2.73
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG21	12	2.73
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG22	12	2.73
(1,1060)	1:409:A:ILE:HA	1:409:A:ILE:HG23	12	2.73
(1,1053)	1:400:A:GLU:H	1:400:A:GLU:HG2	16	2.73
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD11	4	2.73
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD12	4	2.73
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD13	4	2.73
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD11	6	2.73
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD12	6	2.73
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD13	6	2.73
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD11	6	2.73
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD12	6	2.73
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD13	6	2.73
(1,985)	1:416:A:PHE:HB3	1:417:A:GLY:H	1	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,985)	1:416:A:PHE:HB3	1:417:A:GLY:H	14	2.73
(1,985)	1:416:A:PHE:HB3	1:417:A:GLY:H	15	2.73
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	5	2.73
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	5	2.73
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	5	2.73
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	5	2.73
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	5	2.73
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	5	2.73
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG21	11	2.73
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG22	11	2.73
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG23	11	2.73
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB1	15	2.73
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB2	15	2.73
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB3	15	2.73
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB1	17	2.73
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB2	17	2.73
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB3	17	2.73
(1,940)	1:486:A:ASP:H	1:486:A:ASP:HB2	4	2.73
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB1	9	2.73
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB2	9	2.73
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB3	9	2.73
(1,936)	1:459:A:ALA:HB1	1:460:A:GLN:H	18	2.73
(1,936)	1:459:A:ALA:HB2	1:460:A:GLN:H	18	2.73
(1,936)	1:459:A:ALA:HB3	1:460:A:GLN:H	18	2.73
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	18	2.73
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	18	2.73
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	18	2.73
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	18	2.73
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	18	2.73
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	18	2.73
(1,809)	1:434:A:ALA:HB1	1:435:A:LYS:H	13	2.73
(1,809)	1:434:A:ALA:HB2	1:435:A:LYS:H	13	2.73
(1,809)	1:434:A:ALA:HB3	1:435:A:LYS:H	13	2.73
(1,775)	1:451:A:VAL:HG21	1:452:A:SER:H	4	2.73
(1,775)	1:451:A:VAL:HG22	1:452:A:SER:H	4	2.73
(1,775)	1:451:A:VAL:HG23	1:452:A:SER:H	4	2.73
(1,775)	1:451:A:VAL:HG21	1:452:A:SER:H	19	2.73
(1,775)	1:451:A:VAL:HG22	1:452:A:SER:H	19	2.73
(1,775)	1:451:A:VAL:HG23	1:452:A:SER:H	19	2.73
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG11	9	2.73
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG12	9	2.73
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG13	9	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG21	9	2.73
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG22	9	2.73
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG23	9	2.73
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG11	12	2.73
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG12	12	2.73
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG13	12	2.73
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG21	12	2.73
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG22	12	2.73
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG23	12	2.73
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG11	19	2.73
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG12	19	2.73
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG13	19	2.73
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG21	19	2.73
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG22	19	2.73
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG23	19	2.73
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	8	2.73
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	8	2.73
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	8	2.73
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	8	2.73
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	8	2.73
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	8	2.73
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	14	2.73
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	14	2.73
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	14	2.73
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	14	2.73
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	14	2.73
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	14	2.73
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	20	2.73
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	20	2.73
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	20	2.73
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	20	2.73
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	20	2.73
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	20	2.73
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD11	10	2.73
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD12	10	2.73
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD13	10	2.73
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD21	10	2.73
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD22	10	2.73
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD23	10	2.73
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD11	19	2.73
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD12	19	2.73
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD13	19	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD21	19	2.73
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD22	19	2.73
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD23	19	2.73
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG2	11	2.73
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG3	11	2.73
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG2	12	2.73
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG3	12	2.73
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE2	17	2.73
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE3	17	2.73
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE2	17	2.73
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE3	17	2.73
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	9	2.73
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	9	2.73
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	9	2.73
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	9	2.73
(1,589)	1:448:A:PHE:HA	1:449:A:GLY:H	1	2.73
(1,589)	1:448:A:PHE:HA	1:449:A:GLY:H	7	2.73
(1,589)	1:448:A:PHE:HA	1:449:A:GLY:H	13	2.73
(1,554)	1:425:A:PHE:H	1:425:A:PHE:HB2	5	2.73
(1,527)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	18	2.73
(1,527)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	18	2.73
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB2	4	2.73
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB3	4	2.73
(1,447)	1:419:A:GLN:H	1:419:A:GLN:HB3	9	2.73
(1,427)	1:443:A:ASN:H	1:443:A:ASN:HA	2	2.73
(1,427)	1:443:A:ASN:H	1:443:A:ASN:HA	8	2.73
(1,427)	1:443:A:ASN:H	1:443:A:ASN:HA	9	2.73
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB2	4	2.73
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB3	4	2.73
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB2	19	2.73
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB3	19	2.73
(1,325)	1:451:A:VAL:HG21	1:452:A:SER:H	4	2.73
(1,325)	1:451:A:VAL:HG22	1:452:A:SER:H	4	2.73
(1,325)	1:451:A:VAL:HG23	1:452:A:SER:H	4	2.73
(1,325)	1:451:A:VAL:HG21	1:452:A:SER:H	19	2.73
(1,325)	1:451:A:VAL:HG22	1:452:A:SER:H	19	2.73
(1,325)	1:451:A:VAL:HG23	1:452:A:SER:H	19	2.73
(1,262)	1:486:A:ASP:H	1:486:A:ASP:HB2	4	2.73
(1,257)	1:434:A:ALA:HB1	1:435:A:LYS:H	13	2.73
(1,257)	1:434:A:ALA:HB2	1:435:A:LYS:H	13	2.73
(1,257)	1:434:A:ALA:HB3	1:435:A:LYS:H	13	2.73
(1,239)	1:400:A:GLU:H	1:400:A:GLU:HG2	16	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB1	15	2.73
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB2	15	2.73
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB3	15	2.73
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB1	17	2.73
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB2	17	2.73
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB3	17	2.73
(1,172)	1:398:A:GLN:HA	1:399:A:LYS:H	18	2.73
(1,172)	1:398:A:GLN:HA	1:399:A:LYS:H	19	2.73
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB2	1	2.73
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB3	1	2.73
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB2	2	2.73
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB3	2	2.73
(1,114)	1:489:A:PRO:HA	1:490:A:TYR:H	9	2.73
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD2	5	2.73
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD3	5	2.73
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD2	13	2.72
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD3	13	2.72
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD11	8	2.72
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD12	8	2.72
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD13	8	2.72
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD11	8	2.72
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD12	8	2.72
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD13	8	2.72
(1,1462)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	8	2.72
(1,1462)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	8	2.72
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG21	10	2.72
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG22	10	2.72
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG23	10	2.72
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD11	8	2.72
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD12	8	2.72
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD13	8	2.72
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD11	8	2.72
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD12	8	2.72
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD13	8	2.72
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG11	14	2.72
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG12	14	2.72
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG13	14	2.72
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG21	10	2.72
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG22	10	2.72
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG23	10	2.72
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	14	2.72
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	14	2.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	14	2.72
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	14	2.72
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	14	2.72
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	14	2.72
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	7	2.72
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	7	2.72
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	7	2.72
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	7	2.72
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	7	2.72
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	7	2.72
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	4	2.72
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	4	2.72
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	4	2.72
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	4	2.72
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	10	2.72
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	10	2.72
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	10	2.72
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	10	2.72
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG11	14	2.72
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG12	14	2.72
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG13	14	2.72
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG11	9	2.72
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG12	9	2.72
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG13	9	2.72
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG21	9	2.72
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG22	9	2.72
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG23	9	2.72
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	10	2.72
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	10	2.72
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	10	2.72
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	10	2.72
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	10	2.72
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	10	2.72
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG21	17	2.72
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG22	17	2.72
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG23	17	2.72
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB1	3	2.72
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB2	3	2.72
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB3	3	2.72
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB1	3	2.72
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB2	3	2.72
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB3	3	2.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB1	3	2.72
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB2	3	2.72
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB3	3	2.72
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB1	3	2.72
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB2	3	2.72
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB3	3	2.72
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB1	3	2.72
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB2	3	2.72
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB3	3	2.72
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB1	3	2.72
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB2	3	2.72
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB3	3	2.72
(1,1222)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	8	2.72
(1,1222)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	8	2.72
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD2	20	2.72
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD3	20	2.72
(1,1113)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	8	2.72
(1,1113)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	8	2.72
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG2	11	2.72
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG3	11	2.72
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	7	2.72
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	7	2.72
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	7	2.72
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	7	2.72
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	7	2.72
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	7	2.72
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG21	10	2.72
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG22	10	2.72
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG23	10	2.72
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG21	16	2.72
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG22	16	2.72
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG23	16	2.72
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG21	18	2.72
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG22	18	2.72
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG23	18	2.72
(1,936)	1:459:A:ALA:HB1	1:460:A:GLN:H	12	2.72
(1,936)	1:459:A:ALA:HB2	1:460:A:GLN:H	12	2.72
(1,936)	1:459:A:ALA:HB3	1:460:A:GLN:H	12	2.72
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	7	2.72
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	7	2.72
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	7	2.72
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	7	2.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	7	2.72
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	7	2.72
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	10	2.72
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	10	2.72
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	10	2.72
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	10	2.72
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	10	2.72
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	10	2.72
(1,775)	1:451:A:VAL:HG21	1:452:A:SER:H	7	2.72
(1,775)	1:451:A:VAL:HG22	1:452:A:SER:H	7	2.72
(1,775)	1:451:A:VAL:HG23	1:452:A:SER:H	7	2.72
(1,775)	1:451:A:VAL:HG21	1:452:A:SER:H	18	2.72
(1,775)	1:451:A:VAL:HG22	1:452:A:SER:H	18	2.72
(1,775)	1:451:A:VAL:HG23	1:452:A:SER:H	18	2.72
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	7	2.72
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	7	2.72
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	7	2.72
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	7	2.72
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	7	2.72
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	7	2.72
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	14	2.72
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	14	2.72
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	14	2.72
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	14	2.72
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	14	2.72
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	14	2.72
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	20	2.72
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	20	2.72
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	20	2.72
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	20	2.72
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	20	2.72
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	20	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	6	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	6	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	6	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	6	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	6	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	6	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	10	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	10	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	10	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	10	2.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	10	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	10	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	13	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	13	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	13	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	13	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	13	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	13	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD11	16	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD12	16	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD13	16	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD21	16	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD22	16	2.72
(1,705)	1:412:A:LEU:HB3	1:412:A:LEU:HD23	16	2.72
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG2	16	2.72
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG3	16	2.72
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE2	12	2.72
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE3	12	2.72
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE2	12	2.72
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE3	12	2.72
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	4	2.72
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	4	2.72
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	4	2.72
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	4	2.72
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	10	2.72
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	10	2.72
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	10	2.72
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	10	2.72
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	17	2.72
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	17	2.72
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	17	2.72
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	17	2.72
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	17	2.72
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	17	2.72
(1,527)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	14	2.72
(1,527)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	14	2.72
(1,519)	1:432:A:ILE:H	1:433:A:SER:H	13	2.72
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG2	11	2.72
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG3	11	2.72
(1,462)	1:423:A:GLN:H	1:424:A:MET:H	13	2.72
(1,427)	1:443:A:ASN:H	1:443:A:ASN:HA	1	2.72
(1,427)	1:443:A:ASN:H	1:443:A:ASN:HA	14	2.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,427)	1:443:A:ASN:H	1:443:A:ASN:HA	19	2.72
(1,427)	1:443:A:ASN:H	1:443:A:ASN:HA	20	2.72
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB2	9	2.72
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB3	9	2.72
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB2	10	2.72
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB3	10	2.72
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB2	11	2.72
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB3	11	2.72
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB2	15	2.72
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB3	15	2.72
(1,325)	1:451:A:VAL:HG21	1:452:A:SER:H	7	2.72
(1,325)	1:451:A:VAL:HG22	1:452:A:SER:H	7	2.72
(1,325)	1:451:A:VAL:HG23	1:452:A:SER:H	7	2.72
(1,325)	1:451:A:VAL:HG21	1:452:A:SER:H	18	2.72
(1,325)	1:451:A:VAL:HG22	1:452:A:SER:H	18	2.72
(1,325)	1:451:A:VAL:HG23	1:452:A:SER:H	18	2.72
(1,230)	1:437:A:PHE:HA	1:438:A:ILE:H	14	2.72
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB2	17	2.72
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB3	17	2.72
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB2	18	2.72
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB3	18	2.72
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB2	8	2.72
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB3	8	2.72
(1,115)	1:490:A:TYR:H	1:490:A:TYR:HA	20	2.72
(1,1589)	1:411:A:HIS:HA	1:411:A:HIS:HD2	9	2.71
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	6	2.71
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	6	2.71
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	6	2.71
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	6	2.71
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	6	2.71
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	6	2.71
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD11	11	2.71
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD12	11	2.71
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD13	11	2.71
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD11	14	2.71
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD12	14	2.71
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD13	14	2.71
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG11	18	2.71
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG12	18	2.71
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG13	18	2.71
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	4	2.71
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	4	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	4	2.71
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	4	2.71
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	4	2.71
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	4	2.71
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	4	2.71
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	4	2.71
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	4	2.71
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	15	2.71
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	15	2.71
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	15	2.71
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	15	2.71
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG11	18	2.71
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG12	18	2.71
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG13	18	2.71
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG11	8	2.71
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG12	8	2.71
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG13	8	2.71
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG21	8	2.71
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG22	8	2.71
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG23	8	2.71
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	7	2.71
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	7	2.71
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	7	2.71
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	7	2.71
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	7	2.71
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	7	2.71
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD2	14	2.71
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD3	14	2.71
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD2	18	2.71
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD3	18	2.71
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	1	2.71
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	1	2.71
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	1	2.71
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	1	2.71
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG2	2	2.71
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG3	2	2.71
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD11	11	2.71
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD12	11	2.71
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD13	11	2.71
(1,1000)	1:467:A:ASN:H	1:467:A:ASN:HB2	1	2.71
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD11	11	2.71
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD12	11	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD13	11	2.71
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD11	13	2.71
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD12	13	2.71
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD13	13	2.71
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB1	4	2.71
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB2	4	2.71
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB3	4	2.71
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	8	2.71
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	8	2.71
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	8	2.71
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	8	2.71
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	8	2.71
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	8	2.71
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	8	2.71
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	8	2.71
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	8	2.71
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB2	9	2.71
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB3	9	2.71
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	8	2.71
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	8	2.71
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	8	2.71
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	8	2.71
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	8	2.71
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	8	2.71
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	8	2.71
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	8	2.71
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	8	2.71
(1,775)	1:451:A:VAL:HG21	1:452:A:SER:H	1	2.71
(1,775)	1:451:A:VAL:HG22	1:452:A:SER:H	1	2.71
(1,775)	1:451:A:VAL:HG23	1:452:A:SER:H	1	2.71
(1,775)	1:451:A:VAL:HG21	1:452:A:SER:H	13	2.71
(1,775)	1:451:A:VAL:HG22	1:452:A:SER:H	13	2.71
(1,775)	1:451:A:VAL:HG23	1:452:A:SER:H	13	2.71
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG21	11	2.71
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG22	11	2.71
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG23	11	2.71
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG21	19	2.71
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG22	19	2.71
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG23	19	2.71
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG2	9	2.71
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG3	9	2.71
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG2	10	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG3	10	2.71
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG2	15	2.71
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG3	15	2.71
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG2	20	2.71
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG3	20	2.71
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	15	2.71
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	15	2.71
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	15	2.71
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	15	2.71
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	9	2.71
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	9	2.71
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	9	2.71
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	9	2.71
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	9	2.71
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	9	2.71
(1,589)	1:448:A:PHE:HA	1:449:A:GLY:H	8	2.71
(1,589)	1:448:A:PHE:HA	1:449:A:GLY:H	9	2.71
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB2	18	2.71
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB3	18	2.71
(1,444)	1:419:A:GLN:H	1:420:A:ASP:H	11	2.71
(1,427)	1:443:A:ASN:H	1:443:A:ASN:HA	3	2.71
(1,427)	1:443:A:ASN:H	1:443:A:ASN:HA	7	2.71
(1,427)	1:443:A:ASN:H	1:443:A:ASN:HA	10	2.71
(1,427)	1:443:A:ASN:H	1:443:A:ASN:HA	17	2.71
(1,427)	1:443:A:ASN:H	1:443:A:ASN:HA	18	2.71
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB2	2	2.71
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB3	2	2.71
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB2	20	2.71
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB3	20	2.71
(1,331)	1:466:A:MET:H	1:467:A:ASN:H	12	2.71
(1,330)	1:403:A:GLU:H	1:403:A:GLU:HB2	7	2.71
(1,325)	1:451:A:VAL:HG21	1:452:A:SER:H	1	2.71
(1,325)	1:451:A:VAL:HG22	1:452:A:SER:H	1	2.71
(1,325)	1:451:A:VAL:HG23	1:452:A:SER:H	1	2.71
(1,325)	1:451:A:VAL:HG21	1:452:A:SER:H	13	2.71
(1,325)	1:451:A:VAL:HG22	1:452:A:SER:H	13	2.71
(1,325)	1:451:A:VAL:HG23	1:452:A:SER:H	13	2.71
(1,254)	1:434:A:ALA:HA	1:435:A:LYS:H	3	2.71
(1,254)	1:434:A:ALA:HA	1:435:A:LYS:H	18	2.71
(1,236)	1:399:A:LYS:HA	1:400:A:GLU:H	14	2.71
(1,191)	1:435:A:LYS:HA	1:436:A:VAL:H	6	2.71
(1,172)	1:398:A:GLN:HA	1:399:A:LYS:H	5	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,172)	1:398:A:GLN:HA	1:399:A:LYS:H	6	2.71
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB2	14	2.71
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB3	14	2.71
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB2	9	2.71
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB3	9	2.71
(1,135)	1:422:A:LEU:H	1:422:A:LEU:HB3	8	2.71
(1,120)	1:473:A:MET:H	1:473:A:MET:HG3	7	2.71
(1,114)	1:489:A:PRO:HA	1:490:A:TYR:H	12	2.71
(1,88)	1:481:A:LYS:H	1:481:A:LYS:HB3	2	2.71
(1,77)	1:445:A:SER:HA	1:446:A:LYS:H	4	2.71
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD1	5	2.71
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD2	5	2.71
(1,56)	1:470:A:GLN:HA	1:471:A:ILE:H	17	2.71
(1,46)	1:439:A:ASP:H	1:439:A:ASP:HB2	2	2.71
(1,45)	1:438:A:ILE:HA	1:439:A:ASP:H	17	2.71
(1,27)	1:426:A:MET:H	1:426:A:MET:HB2	11	2.71
(1,27)	1:426:A:MET:H	1:426:A:MET:HB3	11	2.71
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	11	2.7
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	11	2.7
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	11	2.7
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	11	2.7
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	16	2.7
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	16	2.7
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	16	2.7
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	16	2.7
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD1	14	2.7
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD2	14	2.7
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD1	1	2.7
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD2	1	2.7
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD11	18	2.7
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD12	18	2.7
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD13	18	2.7
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG11	8	2.7
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG12	8	2.7
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG13	8	2.7
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG11	12	2.7
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG12	12	2.7
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG13	12	2.7
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG21	7	2.7
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG22	7	2.7
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG23	7	2.7
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG21	7	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG22	7	2.7
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG23	7	2.7
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	5	2.7
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	5	2.7
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	5	2.7
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	5	2.7
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	5	2.7
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	5	2.7
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	14	2.7
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	14	2.7
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	14	2.7
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	14	2.7
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG11	8	2.7
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG12	8	2.7
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG13	8	2.7
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG11	12	2.7
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG12	12	2.7
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG13	12	2.7
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG11	11	2.7
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG12	11	2.7
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG13	11	2.7
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG21	11	2.7
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG22	11	2.7
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG23	11	2.7
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG11	17	2.7
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG12	17	2.7
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG13	17	2.7
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG21	17	2.7
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG22	17	2.7
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG23	17	2.7
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	6	2.7
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	6	2.7
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	6	2.7
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	6	2.7
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	6	2.7
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	6	2.7
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD11	8	2.7
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD12	8	2.7
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD13	8	2.7
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD21	8	2.7
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD22	8	2.7
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD23	8	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD2	2	2.7
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD3	2	2.7
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD2	11	2.7
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD3	11	2.7
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD2	12	2.7
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD3	12	2.7
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	4	2.7
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	4	2.7
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	4	2.7
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	4	2.7
(1,1214)	1:415:A:GLU:H	1:415:A:GLU:HB2	7	2.7
(1,1214)	1:415:A:GLU:H	1:415:A:GLU:HB2	13	2.7
(1,1206)	1:421:A:ILE:HB	1:421:A:ILE:HG12	12	2.7
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	8	2.7
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	8	2.7
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	8	2.7
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	8	2.7
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD2	17	2.7
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD3	17	2.7
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD2	17	2.7
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD3	17	2.7
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD2	20	2.7
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD3	20	2.7
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD2	20	2.7
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD3	20	2.7
(1,1053)	1:400:A:GLU:H	1:400:A:GLU:HG2	6	2.7
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD11	1	2.7
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD12	1	2.7
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD13	1	2.7
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG21	2	2.7
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG22	2	2.7
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG23	2	2.7
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG21	3	2.7
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG22	3	2.7
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG23	3	2.7
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB1	6	2.7
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB2	6	2.7
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB3	6	2.7
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB1	8	2.7
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB2	8	2.7
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB3	8	2.7
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB1	19	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB2	19	2.7
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB3	19	2.7
(1,936)	1:459:A:ALA:HB1	1:460:A:GLN:H	7	2.7
(1,936)	1:459:A:ALA:HB2	1:460:A:GLN:H	7	2.7
(1,936)	1:459:A:ALA:HB3	1:460:A:GLN:H	7	2.7
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	5	2.7
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	5	2.7
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	5	2.7
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	5	2.7
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	5	2.7
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	5	2.7
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD1	18	2.7
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD2	18	2.7
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD1	18	2.7
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD2	18	2.7
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB1	7	2.7
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB2	7	2.7
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB3	7	2.7
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG11	15	2.7
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG12	15	2.7
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG13	15	2.7
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG21	15	2.7
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG22	15	2.7
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG23	15	2.7
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG11	17	2.7
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG12	17	2.7
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG13	17	2.7
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG21	17	2.7
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG22	17	2.7
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG23	17	2.7
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG11	3	2.7
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG12	3	2.7
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG13	3	2.7
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD11	8	2.7
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD12	8	2.7
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD13	8	2.7
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD21	8	2.7
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD22	8	2.7
(1,706)	1:412:A:LEU:HB2	1:412:A:LEU:HD23	8	2.7
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG2	4	2.7
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG3	4	2.7
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG2	18	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG3	18	2.7
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG2	19	2.7
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG3	19	2.7
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	14	2.7
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	14	2.7
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	14	2.7
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	14	2.7
(1,601)	1:429:A:GLY:H	1:453:A:TYR:HB2	12	2.7
(1,527)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	19	2.7
(1,527)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	19	2.7
(1,472)	1:424:A:MET:H	1:424:A:MET:HB2	8	2.7
(1,472)	1:424:A:MET:H	1:424:A:MET:HB3	8	2.7
(1,436)	1:420:A:ASP:H	1:421:A:ILE:H	19	2.7
(1,427)	1:443:A:ASN:H	1:443:A:ASN:HA	6	2.7
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB2	5	2.7
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB3	5	2.7
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD1	1	2.7
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD2	1	2.7
(1,331)	1:466:A:MET:H	1:467:A:ASN:H	7	2.7
(1,331)	1:466:A:MET:H	1:467:A:ASN:H	18	2.7
(1,239)	1:400:A:GLU:H	1:400:A:GLU:HG2	6	2.7
(1,236)	1:399:A:LYS:HA	1:400:A:GLU:H	2	2.7
(1,236)	1:399:A:LYS:HA	1:400:A:GLU:H	8	2.7
(1,236)	1:399:A:LYS:HA	1:400:A:GLU:H	20	2.7
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB1	6	2.7
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB2	6	2.7
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB3	6	2.7
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB1	8	2.7
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB2	8	2.7
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB3	8	2.7
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB1	19	2.7
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB2	19	2.7
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB3	19	2.7
(1,172)	1:398:A:GLN:HA	1:399:A:LYS:H	3	2.7
(1,172)	1:398:A:GLN:HA	1:399:A:LYS:H	7	2.7
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB2	7	2.7
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB3	7	2.7
(1,115)	1:490:A:TYR:H	1:490:A:TYR:HA	14	2.7
(1,77)	1:445:A:SER:HA	1:446:A:LYS:H	3	2.7
(1,56)	1:470:A:GLN:HA	1:471:A:ILE:H	7	2.7
(1,46)	1:439:A:ASP:H	1:439:A:ASP:HB2	17	2.7
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD2	18	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD3	18	2.7
(1,3)	1:469:A:PHE:HA	1:470:A:GLN:H	19	2.7
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD2	17	2.69
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD3	17	2.69
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD2	17	2.69
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD3	17	2.69
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB2	20	2.69
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB3	20	2.69
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD11	3	2.69
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD12	3	2.69
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD13	3	2.69
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG11	4	2.69
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG12	4	2.69
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG13	4	2.69
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG11	7	2.69
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG12	7	2.69
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG13	7	2.69
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	4	2.69
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	4	2.69
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	4	2.69
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	4	2.69
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	4	2.69
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	4	2.69
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB2	20	2.69
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB3	20	2.69
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	11	2.69
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	11	2.69
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	11	2.69
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	11	2.69
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	11	2.69
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	11	2.69
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	13	2.69
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	13	2.69
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	13	2.69
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	13	2.69
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	18	2.69
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	18	2.69
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	18	2.69
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	18	2.69
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG11	4	2.69
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG12	4	2.69
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG13	4	2.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG11	7	2.69
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG12	7	2.69
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG13	7	2.69
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG11	12	2.69
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG12	12	2.69
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG13	12	2.69
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG21	12	2.69
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG22	12	2.69
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG23	12	2.69
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD2	8	2.69
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD3	8	2.69
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD2	15	2.69
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD3	15	2.69
(1,1214)	1:415:A:GLU:H	1:415:A:GLU:HB2	8	2.69
(1,1214)	1:415:A:GLU:H	1:415:A:GLU:HB2	9	2.69
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD2	9	2.69
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD3	9	2.69
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD2	9	2.69
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD3	9	2.69
(1,1175)	1:439:A:ASP:HA	1:440:A:LYS:H	16	2.69
(1,1100)	1:474:A:LYS:HB2	1:475:A:ARG:H	15	2.69
(1,1100)	1:474:A:LYS:HB3	1:475:A:ARG:H	15	2.69
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB2	20	2.69
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB3	20	2.69
(1,1053)	1:400:A:GLU:H	1:400:A:GLU:HG2	8	2.69
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	3	2.69
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	3	2.69
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	3	2.69
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	3	2.69
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	3	2.69
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	3	2.69
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	3	2.69
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	3	2.69
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	3	2.69
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD11	3	2.69
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD12	3	2.69
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD13	3	2.69
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD11	15	2.69
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD12	15	2.69
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD13	15	2.69
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	4	2.69
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	4	2.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	4	2.69
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	4	2.69
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	4	2.69
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	4	2.69
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB1	9	2.69
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB2	9	2.69
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB3	9	2.69
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB1	11	2.69
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB2	11	2.69
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB3	11	2.69
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB1	12	2.69
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB2	12	2.69
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB3	12	2.69
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	11	2.69
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	11	2.69
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	11	2.69
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	11	2.69
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	11	2.69
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	11	2.69
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	11	2.69
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	11	2.69
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	20	2.69
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	20	2.69
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG21	10	2.69
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG22	10	2.69
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG23	10	2.69
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	3	2.69
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	3	2.69
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	3	2.69
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	3	2.69
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	3	2.69
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	3	2.69
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	3	2.69
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	3	2.69
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	3	2.69
(1,788)	1:478:A:VAL:HG11	1:479:A:GLN:H	1	2.69
(1,788)	1:478:A:VAL:HG12	1:479:A:GLN:H	1	2.69
(1,788)	1:478:A:VAL:HG13	1:479:A:GLN:H	1	2.69
(1,788)	1:478:A:VAL:HG11	1:479:A:GLN:H	14	2.69
(1,788)	1:478:A:VAL:HG12	1:479:A:GLN:H	14	2.69
(1,788)	1:478:A:VAL:HG13	1:479:A:GLN:H	14	2.69
(1,788)	1:478:A:VAL:HG11	1:479:A:GLN:H	16	2.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:478:A:VAL:HG12	1:479:A:GLN:H	16	2.69
(1,788)	1:478:A:VAL:HG13	1:479:A:GLN:H	16	2.69
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	13	2.69
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	13	2.69
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	13	2.69
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	13	2.69
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	18	2.69
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	18	2.69
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	18	2.69
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	18	2.69
(1,472)	1:424:A:MET:H	1:424:A:MET:HB2	20	2.69
(1,472)	1:424:A:MET:H	1:424:A:MET:HB3	20	2.69
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB2	1	2.69
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB3	1	2.69
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB2	3	2.69
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB3	3	2.69
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB2	20	2.69
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB3	20	2.69
(1,427)	1:443:A:ASN:H	1:443:A:ASN:HA	4	2.69
(1,427)	1:443:A:ASN:H	1:443:A:ASN:HA	5	2.69
(1,427)	1:443:A:ASN:H	1:443:A:ASN:HA	15	2.69
(1,347)	1:408:A:PHE:H	1:408:A:PHE:HB2	9	2.69
(1,331)	1:466:A:MET:H	1:467:A:ASN:H	14	2.69
(1,330)	1:403:A:GLU:H	1:403:A:GLU:HB2	12	2.69
(1,326)	1:402:A:PRO:HB2	1:403:A:GLU:H	12	2.69
(1,326)	1:402:A:PRO:HB3	1:403:A:GLU:H	12	2.69
(1,318)	1:473:A:MET:H	1:474:A:LYS:H	6	2.69
(1,265)	1:408:A:PHE:HA	1:409:A:ILE:H	5	2.69
(1,239)	1:400:A:GLU:H	1:400:A:GLU:HG2	8	2.69
(1,236)	1:399:A:LYS:HA	1:400:A:GLU:H	10	2.69
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB1	9	2.69
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB2	9	2.69
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB3	9	2.69
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB1	11	2.69
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB2	11	2.69
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB3	11	2.69
(1,172)	1:398:A:GLN:HA	1:399:A:LYS:H	16	2.69
(1,170)	1:483:A:SER:HB2	1:484:A:LYS:H	13	2.69
(1,170)	1:483:A:SER:HB3	1:484:A:LYS:H	13	2.69
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB2	3	2.69
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB3	3	2.69
(1,119)	1:473:A:MET:H	1:474:A:LYS:H	6	2.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:490:A:TYR:H	1:490:A:TYR:HA	8	2.69
(1,115)	1:490:A:TYR:H	1:490:A:TYR:HA	19	2.69
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD2	9	2.69
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD3	9	2.69
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD2	20	2.69
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD3	20	2.69
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD1	15	2.68
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD2	15	2.68
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD1	4	2.68
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD2	4	2.68
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD1	4	2.68
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD2	4	2.68
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD2	5	2.68
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD3	5	2.68
(1,1500)	1:463:A:ILE:HG21	1:479:A:GLN:HA	5	2.68
(1,1500)	1:463:A:ILE:HG22	1:479:A:GLN:HA	5	2.68
(1,1500)	1:463:A:ILE:HG23	1:479:A:GLN:HA	5	2.68
(1,1462)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	17	2.68
(1,1462)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	17	2.68
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD1	16	2.68
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD2	16	2.68
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD11	2	2.68
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD12	2	2.68
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD13	2	2.68
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD11	19	2.68
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD12	19	2.68
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD13	19	2.68
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD11	12	2.68
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD12	12	2.68
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD13	12	2.68
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG11	13	2.68
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG12	13	2.68
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG13	13	2.68
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	2	2.68
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	2	2.68
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	2	2.68
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	2	2.68
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	2	2.68
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	2	2.68
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	7	2.68
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	7	2.68
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	7	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	7	2.68
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG11	13	2.68
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG12	13	2.68
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG13	13	2.68
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG11	3	2.68
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG12	3	2.68
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG13	3	2.68
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG21	3	2.68
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG22	3	2.68
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG23	3	2.68
(1,1222)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	17	2.68
(1,1222)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	17	2.68
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD2	3	2.68
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD3	3	2.68
(1,1180)	1:463:A:ILE:HG21	1:479:A:GLN:HA	5	2.68
(1,1180)	1:463:A:ILE:HG22	1:479:A:GLN:HA	5	2.68
(1,1180)	1:463:A:ILE:HG23	1:479:A:GLN:HA	5	2.68
(1,1113)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	17	2.68
(1,1113)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	17	2.68
(1,1053)	1:400:A:GLU:H	1:400:A:GLU:HG2	13	2.68
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD11	2	2.68
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD12	2	2.68
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD13	2	2.68
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD11	19	2.68
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD12	19	2.68
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD13	19	2.68
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD11	5	2.68
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD12	5	2.68
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD13	5	2.68
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD11	20	2.68
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD12	20	2.68
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD13	20	2.68
(1,979)	1:413:A:PRO:HA	1:414:A:GLN:H	19	2.68
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	12	2.68
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	12	2.68
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	12	2.68
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	12	2.68
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	12	2.68
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	12	2.68
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG21	9	2.68
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG22	9	2.68
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG23	9	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG21	17	2.68
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG22	17	2.68
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG23	17	2.68
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB1	2	2.68
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB2	2	2.68
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB3	2	2.68
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB1	3	2.68
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB2	3	2.68
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB3	3	2.68
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB1	4	2.68
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB2	4	2.68
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB3	4	2.68
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	14	2.68
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	14	2.68
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	18	2.68
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	18	2.68
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG11	8	2.68
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG12	8	2.68
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG13	8	2.68
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG21	8	2.68
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG22	8	2.68
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG23	8	2.68
(1,554)	1:425:A:PHE:H	1:425:A:PHE:HB2	20	2.68
(1,519)	1:432:A:ILE:H	1:433:A:SER:H	5	2.68
(1,515)	1:455:A:ASN:HB3	1:455:A:ASN:HD21	2	2.68
(1,472)	1:424:A:MET:H	1:424:A:MET:HB2	3	2.68
(1,472)	1:424:A:MET:H	1:424:A:MET:HB3	3	2.68
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB2	13	2.68
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB3	13	2.68
(1,451)	1:460:A:GLN:H	1:480:A:LEU:HG	9	2.68
(1,427)	1:443:A:ASN:H	1:443:A:ASN:HA	13	2.68
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB2	18	2.68
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB3	18	2.68
(1,360)	1:463:A:ILE:H	1:463:A:ILE:HB	13	2.68
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD1	15	2.68
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD2	15	2.68
(1,331)	1:466:A:MET:H	1:467:A:ASN:H	3	2.68
(1,331)	1:466:A:MET:H	1:467:A:ASN:H	17	2.68
(1,239)	1:400:A:GLU:H	1:400:A:GLU:HG2	13	2.68
(1,236)	1:399:A:LYS:HA	1:400:A:GLU:H	6	2.68
(1,191)	1:435:A:LYS:HA	1:436:A:VAL:H	14	2.68
(1,191)	1:435:A:LYS:HA	1:436:A:VAL:H	18	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB1	2	2.68
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB2	2	2.68
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB3	2	2.68
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB1	3	2.68
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB2	3	2.68
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB3	3	2.68
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB1	4	2.68
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB2	4	2.68
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB3	4	2.68
(1,115)	1:490:A:TYR:H	1:490:A:TYR:HA	9	2.68
(1,115)	1:490:A:TYR:H	1:490:A:TYR:HA	12	2.68
(1,115)	1:490:A:TYR:H	1:490:A:TYR:HA	17	2.68
(1,114)	1:489:A:PRO:HA	1:490:A:TYR:H	5	2.68
(1,68)	1:413:A:PRO:HA	1:414:A:GLN:H	19	2.68
(1,27)	1:426:A:MET:H	1:426:A:MET:HB2	3	2.68
(1,27)	1:426:A:MET:H	1:426:A:MET:HB3	3	2.68
(1,20)	1:425:A:PHE:H	1:426:A:MET:H	15	2.68
(1,1465)	1:423:A:GLN:HB2	1:423:A:GLN:HG2	1	2.67
(1,1465)	1:423:A:GLN:HB3	1:423:A:GLN:HG2	1	2.67
(1,1462)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	11	2.67
(1,1462)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	11	2.67
(1,1455)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	19	2.67
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG2	6	2.67
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG3	6	2.67
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG2	10	2.67
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG3	10	2.67
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG2	13	2.67
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG3	13	2.67
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG21	3	2.67
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG22	3	2.67
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG23	3	2.67
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG21	17	2.67
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG22	17	2.67
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG23	17	2.67
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD11	14	2.67
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD12	14	2.67
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD13	14	2.67
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG11	20	2.67
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG12	20	2.67
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG13	20	2.67
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG21	3	2.67
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG22	3	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG23	3	2.67
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG21	17	2.67
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG22	17	2.67
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG23	17	2.67
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	13	2.67
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	13	2.67
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	13	2.67
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	13	2.67
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	13	2.67
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	13	2.67
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	9	2.67
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	9	2.67
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	9	2.67
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	9	2.67
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	9	2.67
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	9	2.67
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	9	2.67
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	9	2.67
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	9	2.67
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	7	2.67
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	7	2.67
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	7	2.67
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	7	2.67
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	7	2.67
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	7	2.67
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG11	20	2.67
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG12	20	2.67
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG13	20	2.67
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	13	2.67
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	13	2.67
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	13	2.67
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	13	2.67
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	13	2.67
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	13	2.67
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	16	2.67
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	16	2.67
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	16	2.67
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	16	2.67
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	16	2.67
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	16	2.67
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG21	7	2.67
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG22	7	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG23	7	2.67
(1,1222)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	11	2.67
(1,1222)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	11	2.67
(1,1178)	1:407:A:LEU:HA	1:408:A:PHE:H	11	2.67
(1,1175)	1:439:A:ASP:HA	1:440:A:LYS:H	2	2.67
(1,1175)	1:439:A:ASP:HA	1:440:A:LYS:H	4	2.67
(1,1175)	1:439:A:ASP:HA	1:440:A:LYS:H	8	2.67
(1,1113)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	11	2.67
(1,1113)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	11	2.67
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD1	18	2.67
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD2	18	2.67
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD11	14	2.67
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD12	14	2.67
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD13	14	2.67
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD11	7	2.67
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD12	7	2.67
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD13	7	2.67
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD11	18	2.67
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD12	18	2.67
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD13	18	2.67
(1,985)	1:416:A:PHE:HB3	1:417:A:GLY:H	2	2.67
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB1	5	2.67
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB2	5	2.67
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB3	5	2.67
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB1	4	2.67
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB2	4	2.67
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB3	4	2.67
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB1	7	2.67
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB2	7	2.67
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB3	7	2.67
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB1	8	2.67
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB2	8	2.67
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB3	8	2.67
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	2	2.67
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	2	2.67
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG11	17	2.67
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG12	17	2.67
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG13	17	2.67
(1,554)	1:425:A:PHE:H	1:425:A:PHE:HB2	11	2.67
(1,554)	1:425:A:PHE:H	1:425:A:PHE:HB2	13	2.67
(1,472)	1:424:A:MET:H	1:424:A:MET:HB2	11	2.67
(1,472)	1:424:A:MET:H	1:424:A:MET:HB3	11	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB2	12	2.67
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB3	12	2.67
(1,426)	1:442:A:THR:H	1:443:A:ASN:H	18	2.67
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB2	7	2.67
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB3	7	2.67
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB2	17	2.67
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB3	17	2.67
(1,345)	1:407:A:LEU:HA	1:408:A:PHE:H	11	2.67
(1,326)	1:402:A:PRO:HB2	1:403:A:GLU:H	5	2.67
(1,326)	1:402:A:PRO:HB3	1:403:A:GLU:H	5	2.67
(1,268)	1:457:A:VAL:H	1:458:A:SER:H	3	2.67
(1,265)	1:408:A:PHE:HA	1:409:A:ILE:H	14	2.67
(1,236)	1:399:A:LYS:HA	1:400:A:GLU:H	15	2.67
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB1	5	2.67
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB2	5	2.67
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB3	5	2.67
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB2	11	2.67
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB3	11	2.67
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB2	19	2.67
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB3	19	2.67
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD11	12	2.67
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD12	12	2.67
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD13	12	2.67
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD21	12	2.67
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD22	12	2.67
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD23	12	2.67
(1,129)	1:469:A:PHE:H	1:469:A:PHE:HB3	4	2.67
(1,121)	1:473:A:MET:H	1:473:A:MET:HG2	14	2.67
(1,120)	1:473:A:MET:H	1:473:A:MET:HG3	1	2.67
(1,120)	1:473:A:MET:H	1:473:A:MET:HG3	12	2.67
(1,114)	1:489:A:PRO:HA	1:490:A:TYR:H	18	2.67
(1,46)	1:439:A:ASP:H	1:439:A:ASP:HB2	12	2.67
(1,46)	1:439:A:ASP:H	1:439:A:ASP:HB2	19	2.67
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	5	2.66
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	5	2.66
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	5	2.66
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	5	2.66
(1,1589)	1:411:A:HIS:HA	1:411:A:HIS:HD2	11	2.66
(1,1589)	1:411:A:HIS:HA	1:411:A:HIS:HD2	18	2.66
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD11	9	2.66
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD12	9	2.66
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD13	9	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD11	15	2.66
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD12	15	2.66
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD13	15	2.66
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG11	9	2.66
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG12	9	2.66
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG13	9	2.66
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG11	16	2.66
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG12	16	2.66
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG13	16	2.66
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG11	19	2.66
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG12	19	2.66
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG13	19	2.66
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG11	9	2.66
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG12	9	2.66
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG13	9	2.66
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG11	16	2.66
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG12	16	2.66
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG13	16	2.66
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG11	19	2.66
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG12	19	2.66
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG13	19	2.66
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG11	6	2.66
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG12	6	2.66
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG13	6	2.66
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG21	6	2.66
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG22	6	2.66
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG23	6	2.66
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG11	15	2.66
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG12	15	2.66
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG13	15	2.66
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG11	15	2.66
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG12	15	2.66
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG13	15	2.66
(1,1229)	1:455:A:ASN:HA	1:456:A:PRO:HD2	3	2.66
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD2	5	2.66
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD3	5	2.66
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD2	7	2.66
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD3	7	2.66
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD2	9	2.66
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD3	9	2.66
(1,1191)	1:481:A:LYS:HB3	1:481:A:LYS:HD2	8	2.66
(1,1191)	1:481:A:LYS:HB3	1:481:A:LYS:HD2	13	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1175)	1:439:A:ASP:HA	1:440:A:LYS:H	1	2.66
(1,1135)	1:400:A:GLU:HA	1:401:A:GLY:H	17	2.66
(1,1111)	1:423:A:GLN:HA	1:423:A:GLN:HG2	15	2.66
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD1	2	2.66
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD2	2	2.66
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD1	10	2.66
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD2	10	2.66
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG2	9	2.66
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG3	9	2.66
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG2	17	2.66
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG3	17	2.66
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD11	15	2.66
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD12	15	2.66
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD13	15	2.66
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD11	8	2.66
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD12	8	2.66
(1,1025)	1:471:A:ILE:HG21	1:471:A:ILE:HD13	8	2.66
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD11	8	2.66
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD12	8	2.66
(1,1025)	1:471:A:ILE:HG22	1:471:A:ILE:HD13	8	2.66
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD11	8	2.66
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD12	8	2.66
(1,1025)	1:471:A:ILE:HG23	1:471:A:ILE:HD13	8	2.66
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD11	9	2.66
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD12	9	2.66
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD13	9	2.66
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD11	15	2.66
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD12	15	2.66
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD13	15	2.66
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD11	14	2.66
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD12	14	2.66
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD13	14	2.66
(1,985)	1:416:A:PHE:HB3	1:417:A:GLY:H	17	2.66
(1,985)	1:416:A:PHE:HB3	1:417:A:GLY:H	18	2.66
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB1	10	2.66
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB2	10	2.66
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB3	10	2.66
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB1	13	2.66
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB2	13	2.66
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB3	13	2.66
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	12	2.66
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	12	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB1	3	2.66
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB2	3	2.66
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB3	3	2.66
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB1	6	2.66
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB2	6	2.66
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB3	6	2.66
(1,809)	1:434:A:ALA:HB1	1:435:A:LYS:H	4	2.66
(1,809)	1:434:A:ALA:HB2	1:435:A:LYS:H	4	2.66
(1,809)	1:434:A:ALA:HB3	1:435:A:LYS:H	4	2.66
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG11	7	2.66
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG12	7	2.66
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG13	7	2.66
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG21	7	2.66
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG22	7	2.66
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG23	7	2.66
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG11	17	2.66
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG12	17	2.66
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG13	17	2.66
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE2	9	2.66
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE3	9	2.66
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE2	9	2.66
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE3	9	2.66
(1,512)	1:454:A:ASP:HB3	1:455:A:ASN:H	18	2.66
(1,472)	1:424:A:MET:H	1:424:A:MET:HB2	17	2.66
(1,472)	1:424:A:MET:H	1:424:A:MET:HB3	17	2.66
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB2	7	2.66
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB3	7	2.66
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB2	16	2.66
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB3	16	2.66
(1,383)	1:444:A:LEU:H	1:444:A:LEU:HB2	10	2.66
(1,331)	1:466:A:MET:H	1:467:A:ASN:H	16	2.66
(1,312)	1:474:A:LYS:HB3	1:475:A:ARG:H	15	2.66
(1,257)	1:434:A:ALA:HB1	1:435:A:LYS:H	4	2.66
(1,257)	1:434:A:ALA:HB2	1:435:A:LYS:H	4	2.66
(1,257)	1:434:A:ALA:HB3	1:435:A:LYS:H	4	2.66
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB1	10	2.66
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB2	10	2.66
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB3	10	2.66
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB1	13	2.66
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB2	13	2.66
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB3	13	2.66
(1,120)	1:473:A:MET:H	1:473:A:MET:HG3	8	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:489:A:PRO:HA	1:490:A:TYR:H	19	2.66
(1,46)	1:439:A:ASP:H	1:439:A:ASP:HB2	1	2.66
(1,10)	1:430:A:ASN:HA	1:431:A:VAL:H	3	2.66
(1,3)	1:469:A:PHE:HA	1:470:A:GLN:H	3	2.66
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	2	2.65
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	2	2.65
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	2	2.65
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	2	2.65
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD1	6	2.65
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD2	6	2.65
(1,1465)	1:423:A:GLN:HB2	1:423:A:GLN:HG2	12	2.65
(1,1465)	1:423:A:GLN:HB3	1:423:A:GLN:HG2	12	2.65
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG11	15	2.65
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG12	15	2.65
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG13	15	2.65
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	1	2.65
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	1	2.65
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	1	2.65
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	1	2.65
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	1	2.65
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	1	2.65
(1,1342)	1:405:A:ALA:HB1	1:453:A:TYR:HB3	2	2.65
(1,1342)	1:405:A:ALA:HB2	1:453:A:TYR:HB3	2	2.65
(1,1342)	1:405:A:ALA:HB3	1:453:A:TYR:HB3	2	2.65
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG11	15	2.65
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG12	15	2.65
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG13	15	2.65
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	1	2.65
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	1	2.65
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	1	2.65
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	1	2.65
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	1	2.65
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	1	2.65
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	4	2.65
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	4	2.65
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	4	2.65
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	4	2.65
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	4	2.65
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	4	2.65
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	15	2.65
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	15	2.65
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	15	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	15	2.65
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	15	2.65
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	15	2.65
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	15	2.65
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	15	2.65
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	15	2.65
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	15	2.65
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	15	2.65
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	15	2.65
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD2	5	2.65
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD3	5	2.65
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD2	3	2.65
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD3	3	2.65
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD2	3	2.65
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD3	3	2.65
(1,1175)	1:439:A:ASP:HA	1:440:A:LYS:H	14	2.65
(1,1175)	1:439:A:ASP:HA	1:440:A:LYS:H	20	2.65
(1,1135)	1:400:A:GLU:HA	1:401:A:GLY:H	12	2.65
(1,1053)	1:400:A:GLU:H	1:400:A:GLU:HG2	2	2.65
(1,1053)	1:400:A:GLU:H	1:400:A:GLU:HG2	9	2.65
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD11	16	2.65
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD12	16	2.65
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD13	16	2.65
(1,1000)	1:467:A:ASN:H	1:467:A:ASN:HB2	5	2.65
(1,1000)	1:467:A:ASN:H	1:467:A:ASN:HB2	16	2.65
(1,985)	1:416:A:PHE:HB3	1:417:A:GLY:H	5	2.65
(1,985)	1:416:A:PHE:HB3	1:417:A:GLY:H	20	2.65
(1,979)	1:413:A:PRO:HA	1:414:A:GLN:H	8	2.65
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG21	8	2.65
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG22	8	2.65
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG23	8	2.65
(1,963)	1:420:A:ASP:H	1:420:A:ASP:HB3	4	2.65
(1,963)	1:420:A:ASP:H	1:420:A:ASP:HB3	5	2.65
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB1	7	2.65
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB2	7	2.65
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB3	7	2.65
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	15	2.65
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	15	2.65
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	15	2.65
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	15	2.65
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	15	2.65
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	15	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	7	2.65
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	7	2.65
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	15	2.65
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	15	2.65
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG21	5	2.65
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG22	5	2.65
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG23	5	2.65
(1,597)	1:441:A:GLN:HB3	1:442:A:THR:H	10	2.65
(1,589)	1:448:A:PHE:HA	1:449:A:GLY:H	10	2.65
(1,589)	1:448:A:PHE:HA	1:449:A:GLY:H	12	2.65
(1,554)	1:425:A:PHE:H	1:425:A:PHE:HB2	16	2.65
(1,543)	1:454:A:ASP:H	1:454:A:ASP:HB2	18	2.65
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB2	16	2.65
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB3	16	2.65
(1,436)	1:420:A:ASP:H	1:421:A:ILE:H	7	2.65
(1,436)	1:420:A:ASP:H	1:421:A:ILE:H	12	2.65
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB2	8	2.65
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB3	8	2.65
(1,386)	1:420:A:ASP:H	1:420:A:ASP:HB3	4	2.65
(1,386)	1:420:A:ASP:H	1:420:A:ASP:HB3	5	2.65
(1,330)	1:403:A:GLU:H	1:403:A:GLU:HB2	6	2.65
(1,330)	1:403:A:GLU:H	1:403:A:GLU:HB2	8	2.65
(1,326)	1:402:A:PRO:HB2	1:403:A:GLU:H	7	2.65
(1,326)	1:402:A:PRO:HB3	1:403:A:GLU:H	7	2.65
(1,265)	1:408:A:PHE:HA	1:409:A:ILE:H	10	2.65
(1,265)	1:408:A:PHE:HA	1:409:A:ILE:H	15	2.65
(1,265)	1:408:A:PHE:HA	1:409:A:ILE:H	19	2.65
(1,239)	1:400:A:GLU:H	1:400:A:GLU:HG2	2	2.65
(1,239)	1:400:A:GLU:H	1:400:A:GLU:HG2	9	2.65
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG21	8	2.65
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG22	8	2.65
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG23	8	2.65
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB1	7	2.65
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB2	7	2.65
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB3	7	2.65
(1,172)	1:398:A:GLN:HA	1:399:A:LYS:H	2	2.65
(1,172)	1:398:A:GLN:HA	1:399:A:LYS:H	10	2.65
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB2	8	2.65
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB3	8	2.65
(1,108)	1:476:A:LEU:HA	1:477:A:LYS:H	4	2.65
(1,68)	1:413:A:PRO:HA	1:414:A:GLN:H	8	2.65
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD1	1	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD2	1	2.65
(1,56)	1:470:A:GLN:HA	1:471:A:ILE:H	9	2.65
(1,46)	1:439:A:ASP:H	1:439:A:ASP:HB2	20	2.65
(1,45)	1:438:A:ILE:HA	1:439:A:ASP:H	5	2.65
(1,45)	1:438:A:ILE:HA	1:439:A:ASP:H	20	2.65
(1,3)	1:469:A:PHE:HA	1:470:A:GLN:H	4	2.65
(1,3)	1:469:A:PHE:HA	1:470:A:GLN:H	10	2.65
(1,3)	1:469:A:PHE:HA	1:470:A:GLN:H	11	2.65
(1,3)	1:469:A:PHE:HA	1:470:A:GLN:H	15	2.65
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD1	10	2.64
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD2	10	2.64
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD1	14	2.64
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD2	14	2.64
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB2	1	2.64
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB3	1	2.64
(1,1500)	1:463:A:ILE:HG21	1:479:A:GLN:HA	8	2.64
(1,1500)	1:463:A:ILE:HG22	1:479:A:GLN:HA	8	2.64
(1,1500)	1:463:A:ILE:HG23	1:479:A:GLN:HA	8	2.64
(1,1466)	1:414:A:GLN:HB2	1:414:A:GLN:HG3	11	2.64
(1,1465)	1:423:A:GLN:HB2	1:423:A:GLN:HG2	10	2.64
(1,1465)	1:423:A:GLN:HB3	1:423:A:GLN:HG2	10	2.64
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG2	1	2.64
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG3	1	2.64
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG2	19	2.64
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG3	19	2.64
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG2	19	2.64
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG3	19	2.64
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG21	15	2.64
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG22	15	2.64
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG23	15	2.64
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD11	6	2.64
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD12	6	2.64
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD13	6	2.64
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD11	13	2.64
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD12	13	2.64
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD13	13	2.64
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG21	15	2.64
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG22	15	2.64
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG23	15	2.64
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	20	2.64
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	20	2.64
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	20	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	20	2.64
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	20	2.64
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	20	2.64
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	20	2.64
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	20	2.64
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	20	2.64
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	1	2.64
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	1	2.64
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	1	2.64
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	1	2.64
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	1	2.64
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	1	2.64
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	16	2.64
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	16	2.64
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	16	2.64
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	16	2.64
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	16	2.64
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	16	2.64
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	3	2.64
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	3	2.64
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	3	2.64
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	3	2.64
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	3	2.64
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	3	2.64
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	3	2.64
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	3	2.64
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	3	2.64
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	3	2.64
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD2	16	2.64
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD3	16	2.64
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD2	16	2.64
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD3	16	2.64
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	9	2.64
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	9	2.64
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	9	2.64
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	9	2.64
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	9	2.64
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	9	2.64
(1,1180)	1:463:A:ILE:HG21	1:479:A:GLN:HA	8	2.64
(1,1180)	1:463:A:ILE:HG22	1:479:A:GLN:HA	8	2.64
(1,1180)	1:463:A:ILE:HG23	1:479:A:GLN:HA	8	2.64
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD1	1	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD2	1	2.64
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG2	8	2.64
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG3	8	2.64
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG2	1	2.64
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG3	1	2.64
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG2	19	2.64
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG3	19	2.64
(1,1053)	1:400:A:GLU:H	1:400:A:GLU:HG2	17	2.64
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD11	6	2.64
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD12	6	2.64
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD13	6	2.64
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD11	13	2.64
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD12	13	2.64
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD13	13	2.64
(1,1015)	1:478:A:VAL:HA	1:479:A:GLN:H	9	2.64
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD11	2	2.64
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD12	2	2.64
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD13	2	2.64
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD11	4	2.64
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD12	4	2.64
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD13	4	2.64
(1,985)	1:416:A:PHE:HB3	1:417:A:GLY:H	10	2.64
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	9	2.64
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	9	2.64
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	9	2.64
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	9	2.64
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	9	2.64
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	9	2.64
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG21	15	2.64
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG22	15	2.64
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG23	15	2.64
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB1	14	2.64
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB2	14	2.64
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB3	14	2.64
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB1	16	2.64
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB2	16	2.64
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB3	16	2.64
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	1	2.64
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	1	2.64
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	1	2.64
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	1	2.64
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	1	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	1	2.64
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	16	2.64
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	16	2.64
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	16	2.64
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	16	2.64
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	16	2.64
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	16	2.64
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB1	15	2.64
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB2	15	2.64
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB3	15	2.64
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG21	15	2.64
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG22	15	2.64
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG23	15	2.64
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD2	18	2.64
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD3	18	2.64
(1,775)	1:451:A:VAL:HG21	1:452:A:SER:H	12	2.64
(1,775)	1:451:A:VAL:HG22	1:452:A:SER:H	12	2.64
(1,775)	1:451:A:VAL:HG23	1:452:A:SER:H	12	2.64
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG21	16	2.64
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG22	16	2.64
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG23	16	2.64
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE2	4	2.64
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE3	4	2.64
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE2	4	2.64
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE3	4	2.64
(1,642)	1:439:A:ASP:HB3	1:444:A:LEU:HG	5	2.64
(1,589)	1:448:A:PHE:HA	1:449:A:GLY:H	3	2.64
(1,589)	1:448:A:PHE:HA	1:449:A:GLY:H	15	2.64
(1,574)	1:466:A:MET:H	1:466:A:MET:HB2	9	2.64
(1,574)	1:466:A:MET:H	1:466:A:MET:HB3	9	2.64
(1,565)	1:410:A:TYR:HB2	1:411:A:HIS:H	7	2.64
(1,554)	1:425:A:PHE:H	1:425:A:PHE:HB2	7	2.64
(1,554)	1:425:A:PHE:H	1:425:A:PHE:HB2	15	2.64
(1,472)	1:424:A:MET:H	1:424:A:MET:HB2	10	2.64
(1,472)	1:424:A:MET:H	1:424:A:MET:HB3	10	2.64
(1,462)	1:423:A:GLN:H	1:424:A:MET:H	16	2.64
(1,427)	1:443:A:ASN:H	1:443:A:ASN:HA	11	2.64
(1,383)	1:444:A:LEU:H	1:444:A:LEU:HB2	3	2.64
(1,383)	1:444:A:LEU:H	1:444:A:LEU:HB2	18	2.64
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD1	14	2.64
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD2	14	2.64
(1,331)	1:466:A:MET:H	1:467:A:ASN:H	5	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,331)	1:466:A:MET:H	1:467:A:ASN:H	11	2.64
(1,327)	1:402:A:PRO:HA	1:403:A:GLU:H	19	2.64
(1,326)	1:402:A:PRO:HB2	1:403:A:GLU:H	8	2.64
(1,326)	1:402:A:PRO:HB3	1:403:A:GLU:H	8	2.64
(1,326)	1:402:A:PRO:HB2	1:403:A:GLU:H	13	2.64
(1,326)	1:402:A:PRO:HB3	1:403:A:GLU:H	13	2.64
(1,325)	1:451:A:VAL:HG21	1:452:A:SER:H	12	2.64
(1,325)	1:451:A:VAL:HG22	1:452:A:SER:H	12	2.64
(1,325)	1:451:A:VAL:HG23	1:452:A:SER:H	12	2.64
(1,268)	1:457:A:VAL:H	1:458:A:SER:H	4	2.64
(1,246)	1:452:A:SER:HA	1:453:A:TYR:H	12	2.64
(1,239)	1:400:A:GLU:H	1:400:A:GLU:HG2	17	2.64
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB1	14	2.64
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB2	14	2.64
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB3	14	2.64
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB1	16	2.64
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB2	16	2.64
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB3	16	2.64
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB2	5	2.64
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB3	5	2.64
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB2	20	2.64
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB3	20	2.64
(1,108)	1:476:A:LEU:HA	1:477:A:LYS:H	7	2.64
(1,102)	1:478:A:VAL:HA	1:479:A:GLN:H	9	2.64
(1,56)	1:470:A:GLN:HA	1:471:A:ILE:H	8	2.64
(1,45)	1:438:A:ILE:HA	1:439:A:ASP:H	15	2.64
(1,3)	1:469:A:PHE:HA	1:470:A:GLN:H	2	2.64
(1,3)	1:469:A:PHE:HA	1:470:A:GLN:H	16	2.64
(1,3)	1:469:A:PHE:HA	1:470:A:GLN:H	17	2.64
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD1	20	2.63
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD2	20	2.63
(1,1537)	1:448:A:PHE:HD1	1:449:A:GLY:H	15	2.63
(1,1537)	1:448:A:PHE:HD2	1:449:A:GLY:H	15	2.63
(1,1500)	1:463:A:ILE:HG21	1:479:A:GLN:HA	13	2.63
(1,1500)	1:463:A:ILE:HG22	1:479:A:GLN:HA	13	2.63
(1,1500)	1:463:A:ILE:HG23	1:479:A:GLN:HA	13	2.63
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD2	16	2.63
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD3	16	2.63
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD2	16	2.63
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD3	16	2.63
(1,1465)	1:423:A:GLN:HB2	1:423:A:GLN:HG2	3	2.63
(1,1465)	1:423:A:GLN:HB3	1:423:A:GLN:HG2	3	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG2	7	2.63
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG3	7	2.63
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG2	13	2.63
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG3	13	2.63
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG21	11	2.63
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG22	11	2.63
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG23	11	2.63
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD11	16	2.63
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD12	16	2.63
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD13	16	2.63
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG21	11	2.63
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG22	11	2.63
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG23	11	2.63
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	5	2.63
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	5	2.63
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	5	2.63
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	5	2.63
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	5	2.63
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	5	2.63
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	7	2.63
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	7	2.63
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	7	2.63
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	7	2.63
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	7	2.63
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	7	2.63
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	18	2.63
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	18	2.63
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	18	2.63
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	18	2.63
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	18	2.63
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	18	2.63
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	6	2.63
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	6	2.63
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	6	2.63
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	6	2.63
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	18	2.63
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	18	2.63
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	18	2.63
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	18	2.63
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	18	2.63
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	18	2.63
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	20	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	20	2.63
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE1	18	2.63
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE2	18	2.63
(1,1292)	1:426:A:MET:HG2	1:426:A:MET:HE3	18	2.63
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE1	18	2.63
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE2	18	2.63
(1,1292)	1:426:A:MET:HG3	1:426:A:MET:HE3	18	2.63
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	5	2.63
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	5	2.63
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	5	2.63
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	5	2.63
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	5	2.63
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	5	2.63
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG21	13	2.63
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG22	13	2.63
(1,1273)	1:478:A:VAL:HA	1:478:A:VAL:HG23	13	2.63
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD11	8	2.63
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD12	8	2.63
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD13	8	2.63
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD21	8	2.63
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD22	8	2.63
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD23	8	2.63
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	6	2.63
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	6	2.63
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	6	2.63
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	6	2.63
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	1	2.63
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	1	2.63
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	1	2.63
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	1	2.63
(1,1191)	1:481:A:LYS:HB3	1:481:A:LYS:HD2	5	2.63
(1,1180)	1:463:A:ILE:HG21	1:479:A:GLN:HA	13	2.63
(1,1180)	1:463:A:ILE:HG22	1:479:A:GLN:HA	13	2.63
(1,1180)	1:463:A:ILE:HG23	1:479:A:GLN:HA	13	2.63
(1,1135)	1:400:A:GLU:HA	1:401:A:GLY:H	14	2.63
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG2	20	2.63
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG3	20	2.63
(1,1102)	1:441:A:GLN:HB2	1:441:A:GLN:HG3	3	2.63
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG2	12	2.63
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG3	12	2.63
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG2	7	2.63
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG3	7	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG2	13	2.63
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG3	13	2.63
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD11	9	2.63
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD12	9	2.63
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD13	9	2.63
(1,1000)	1:467:A:ASN:H	1:467:A:ASN:HB2	4	2.63
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD11	10	2.63
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD12	10	2.63
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD13	10	2.63
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD11	16	2.63
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD12	16	2.63
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD13	16	2.63
(1,985)	1:416:A:PHE:HB3	1:417:A:GLY:H	6	2.63
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	11	2.63
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	11	2.63
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	11	2.63
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	11	2.63
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	11	2.63
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	11	2.63
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	17	2.63
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	17	2.63
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	17	2.63
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	17	2.63
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	17	2.63
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	17	2.63
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB1	18	2.63
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB2	18	2.63
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB3	18	2.63
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB1	1	2.63
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB2	1	2.63
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB3	1	2.63
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB1	16	2.63
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB2	16	2.63
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB3	16	2.63
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB1	16	2.63
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB2	16	2.63
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB3	16	2.63
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	18	2.63
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	18	2.63
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	18	2.63
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	18	2.63
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	20	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	20	2.63
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD2	1	2.63
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD3	1	2.63
(1,788)	1:478:A:VAL:HG11	1:479:A:GLN:H	7	2.63
(1,788)	1:478:A:VAL:HG12	1:479:A:GLN:H	7	2.63
(1,788)	1:478:A:VAL:HG13	1:479:A:GLN:H	7	2.63
(1,775)	1:451:A:VAL:HG21	1:452:A:SER:H	10	2.63
(1,775)	1:451:A:VAL:HG22	1:452:A:SER:H	10	2.63
(1,775)	1:451:A:VAL:HG23	1:452:A:SER:H	10	2.63
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD11	14	2.63
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD12	14	2.63
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD13	14	2.63
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD21	14	2.63
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD22	14	2.63
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD23	14	2.63
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG2	18	2.63
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG3	18	2.63
(1,574)	1:466:A:MET:H	1:466:A:MET:HB2	2	2.63
(1,574)	1:466:A:MET:H	1:466:A:MET:HB3	2	2.63
(1,554)	1:425:A:PHE:H	1:425:A:PHE:HB2	1	2.63
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD11	1	2.63
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD12	1	2.63
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD13	1	2.63
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD21	1	2.63
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD22	1	2.63
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD23	1	2.63
(1,444)	1:419:A:GLN:H	1:420:A:ASP:H	10	2.63
(1,378)	1:443:A:ASN:HA	1:444:A:LEU:H	18	2.63
(1,331)	1:466:A:MET:H	1:467:A:ASN:H	10	2.63
(1,327)	1:402:A:PRO:HA	1:403:A:GLU:H	3	2.63
(1,326)	1:402:A:PRO:HB2	1:403:A:GLU:H	1	2.63
(1,326)	1:402:A:PRO:HB3	1:403:A:GLU:H	1	2.63
(1,326)	1:402:A:PRO:HB2	1:403:A:GLU:H	6	2.63
(1,326)	1:402:A:PRO:HB3	1:403:A:GLU:H	6	2.63
(1,325)	1:451:A:VAL:HG21	1:452:A:SER:H	10	2.63
(1,325)	1:451:A:VAL:HG22	1:452:A:SER:H	10	2.63
(1,325)	1:451:A:VAL:HG23	1:452:A:SER:H	10	2.63
(1,265)	1:408:A:PHE:HA	1:409:A:ILE:H	18	2.63
(1,265)	1:408:A:PHE:HA	1:409:A:ILE:H	20	2.63
(1,246)	1:452:A:SER:HA	1:453:A:TYR:H	15	2.63
(1,230)	1:437:A:PHE:HA	1:438:A:ILE:H	19	2.63
(1,203)	1:416:A:PHE:H	1:416:A:PHE:HB2	19	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,201)	1:415:A:GLU:H	1:416:A:PHE:H	6	2.63
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB1	18	2.63
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB2	18	2.63
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB3	18	2.63
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB2	15	2.63
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB3	15	2.63
(1,120)	1:473:A:MET:H	1:473:A:MET:HG3	19	2.63
(1,88)	1:481:A:LYS:H	1:481:A:LYS:HB3	11	2.63
(1,77)	1:445:A:SER:HA	1:446:A:LYS:H	7	2.63
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG2	3	2.63
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG3	3	2.63
(1,3)	1:469:A:PHE:HA	1:470:A:GLN:H	5	2.63
(1,3)	1:469:A:PHE:HA	1:470:A:GLN:H	6	2.63
(1,3)	1:469:A:PHE:HA	1:470:A:GLN:H	8	2.63
(1,3)	1:469:A:PHE:HA	1:470:A:GLN:H	9	2.63
(1,3)	1:469:A:PHE:HA	1:470:A:GLN:H	12	2.63
(1,3)	1:469:A:PHE:HA	1:470:A:GLN:H	14	2.63
(1,3)	1:469:A:PHE:HA	1:470:A:GLN:H	18	2.63
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	15	2.62
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	15	2.62
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	15	2.62
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	15	2.62
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD1	3	2.62
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD2	3	2.62
(1,1500)	1:463:A:ILE:HG21	1:479:A:GLN:HA	7	2.62
(1,1500)	1:463:A:ILE:HG22	1:479:A:GLN:HA	7	2.62
(1,1500)	1:463:A:ILE:HG23	1:479:A:GLN:HA	7	2.62
(1,1500)	1:463:A:ILE:HG21	1:479:A:GLN:HA	10	2.62
(1,1500)	1:463:A:ILE:HG22	1:479:A:GLN:HA	10	2.62
(1,1500)	1:463:A:ILE:HG23	1:479:A:GLN:HA	10	2.62
(1,1474)	1:398:A:GLN:HB2	1:398:A:GLN:HG2	12	2.62
(1,1474)	1:398:A:GLN:HB3	1:398:A:GLN:HG2	12	2.62
(1,1465)	1:423:A:GLN:HB2	1:423:A:GLN:HG2	9	2.62
(1,1465)	1:423:A:GLN:HB3	1:423:A:GLN:HG2	9	2.62
(1,1462)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	4	2.62
(1,1462)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	4	2.62
(1,1462)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	14	2.62
(1,1462)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	14	2.62
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG2	6	2.62
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG3	6	2.62
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG2	17	2.62
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG3	17	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG2	20	2.62
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG3	20	2.62
(1,1455)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	14	2.62
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG21	1	2.62
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG22	1	2.62
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG23	1	2.62
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG21	13	2.62
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG22	13	2.62
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG23	13	2.62
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD11	5	2.62
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD12	5	2.62
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD13	5	2.62
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD11	10	2.62
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD12	10	2.62
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD13	10	2.62
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD11	5	2.62
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD12	5	2.62
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD13	5	2.62
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG21	1	2.62
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG22	1	2.62
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG23	1	2.62
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG21	13	2.62
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG22	13	2.62
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG23	13	2.62
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB1	6	2.62
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB2	6	2.62
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB3	6	2.62
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB1	6	2.62
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB2	6	2.62
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB3	6	2.62
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB1	6	2.62
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB2	6	2.62
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB3	6	2.62
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	10	2.62
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	10	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG11	5	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG12	5	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG13	5	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG21	5	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG22	5	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG23	5	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG11	10	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG12	10	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG13	10	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG21	10	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG22	10	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG23	10	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG11	15	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG12	15	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG13	15	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG21	15	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG22	15	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG23	15	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG11	16	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG12	16	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG13	16	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG21	16	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG22	16	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG23	16	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG11	19	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG12	19	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG13	19	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG21	19	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG22	19	2.62
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG23	19	2.62
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	6	2.62
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	6	2.62
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	6	2.62
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	6	2.62
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD11	9	2.62
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD12	9	2.62
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD13	9	2.62
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD21	9	2.62
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD22	9	2.62
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD23	9	2.62
(1,1222)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	4	2.62
(1,1222)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	4	2.62
(1,1222)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	14	2.62
(1,1222)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	14	2.62
(1,1214)	1:415:A:GLU:H	1:415:A:GLU:HB2	4	2.62
(1,1180)	1:463:A:ILE:HG21	1:479:A:GLN:HA	7	2.62
(1,1180)	1:463:A:ILE:HG22	1:479:A:GLN:HA	7	2.62
(1,1180)	1:463:A:ILE:HG23	1:479:A:GLN:HA	7	2.62
(1,1180)	1:463:A:ILE:HG21	1:479:A:GLN:HA	10	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1180)	1:463:A:ILE:HG22	1:479:A:GLN:HA	10	2.62
(1,1180)	1:463:A:ILE:HG23	1:479:A:GLN:HA	10	2.62
(1,1175)	1:439:A:ASP:HA	1:440:A:LYS:H	3	2.62
(1,1175)	1:439:A:ASP:HA	1:440:A:LYS:H	11	2.62
(1,1175)	1:439:A:ASP:HA	1:440:A:LYS:H	13	2.62
(1,1113)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	4	2.62
(1,1113)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	4	2.62
(1,1113)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	14	2.62
(1,1113)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	14	2.62
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG2	6	2.62
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG3	6	2.62
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG2	17	2.62
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG3	17	2.62
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG2	20	2.62
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG3	20	2.62
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD11	5	2.62
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD12	5	2.62
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD13	5	2.62
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD11	10	2.62
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD12	10	2.62
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD13	10	2.62
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	6	2.62
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	6	2.62
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	6	2.62
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	6	2.62
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	6	2.62
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	6	2.62
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	8	2.62
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	8	2.62
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	8	2.62
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	8	2.62
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	8	2.62
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	8	2.62
(1,963)	1:420:A:ASP:H	1:420:A:ASP:HB3	1	2.62
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG21	1	2.62
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG22	1	2.62
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG23	1	2.62
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG21	8	2.62
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG22	8	2.62
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG23	8	2.62
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB1	1	2.62
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB2	1	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB3	1	2.62
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB1	5	2.62
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB2	5	2.62
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB3	5	2.62
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB1	20	2.62
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB2	20	2.62
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB3	20	2.62
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	5	2.62
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	5	2.62
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	5	2.62
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	5	2.62
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	5	2.62
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	5	2.62
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	5	2.62
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	5	2.62
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	5	2.62
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	10	2.62
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	10	2.62
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG21	8	2.62
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG22	8	2.62
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG23	8	2.62
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	5	2.62
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	5	2.62
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	5	2.62
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	5	2.62
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	5	2.62
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	5	2.62
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	5	2.62
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	5	2.62
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	5	2.62
(1,788)	1:478:A:VAL:HG11	1:479:A:GLN:H	4	2.62
(1,788)	1:478:A:VAL:HG12	1:479:A:GLN:H	4	2.62
(1,788)	1:478:A:VAL:HG13	1:479:A:GLN:H	4	2.62
(1,788)	1:478:A:VAL:HG11	1:479:A:GLN:H	20	2.62
(1,788)	1:478:A:VAL:HG12	1:479:A:GLN:H	20	2.62
(1,788)	1:478:A:VAL:HG13	1:479:A:GLN:H	20	2.62
(1,775)	1:451:A:VAL:HG21	1:452:A:SER:H	2	2.62
(1,775)	1:451:A:VAL:HG22	1:452:A:SER:H	2	2.62
(1,775)	1:451:A:VAL:HG23	1:452:A:SER:H	2	2.62
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD11	2	2.62
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD12	2	2.62
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD13	2	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD21	2	2.62
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD22	2	2.62
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD23	2	2.62
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	6	2.62
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	6	2.62
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	6	2.62
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	6	2.62
(1,679)	1:477:A:LYS:HG2	1:478:A:VAL:H	4	2.62
(1,679)	1:477:A:LYS:HG3	1:478:A:VAL:H	4	2.62
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE2	1	2.62
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE3	1	2.62
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE2	1	2.62
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE3	1	2.62
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE2	20	2.62
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE3	20	2.62
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE2	20	2.62
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE3	20	2.62
(1,663)	1:412:A:LEU:H	1:412:A:LEU:HG	3	2.62
(1,574)	1:466:A:MET:H	1:466:A:MET:HB2	5	2.62
(1,574)	1:466:A:MET:H	1:466:A:MET:HB3	5	2.62
(1,554)	1:425:A:PHE:H	1:425:A:PHE:HB2	3	2.62
(1,527)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	8	2.62
(1,527)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	8	2.62
(1,502)	1:411:A:HIS:H	1:412:A:LEU:H	9	2.62
(1,476)	1:445:A:SER:H	1:445:A:SER:HB2	18	2.62
(1,426)	1:442:A:THR:H	1:443:A:ASN:H	8	2.62
(1,386)	1:420:A:ASP:H	1:420:A:ASP:HB3	1	2.62
(1,382)	1:444:A:LEU:H	1:444:A:LEU:HB3	11	2.62
(1,360)	1:463:A:ILE:H	1:463:A:ILE:HB	5	2.62
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD1	3	2.62
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD2	3	2.62
(1,325)	1:451:A:VAL:HG21	1:452:A:SER:H	2	2.62
(1,325)	1:451:A:VAL:HG22	1:452:A:SER:H	2	2.62
(1,325)	1:451:A:VAL:HG23	1:452:A:SER:H	2	2.62
(1,265)	1:408:A:PHE:HA	1:409:A:ILE:H	7	2.62
(1,252)	1:402:A:PRO:HD2	1:453:A:TYR:H	9	2.62
(1,246)	1:452:A:SER:HA	1:453:A:TYR:H	1	2.62
(1,246)	1:452:A:SER:HA	1:453:A:TYR:H	10	2.62
(1,246)	1:452:A:SER:HA	1:453:A:TYR:H	14	2.62
(1,236)	1:399:A:LYS:HA	1:400:A:GLU:H	17	2.62
(1,223)	1:417:A:GLY:HA3	1:418:A:ASP:H	7	2.62
(1,201)	1:415:A:GLU:H	1:416:A:PHE:H	14	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:435:A:LYS:HA	1:436:A:VAL:H	5	2.62
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB1	1	2.62
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB2	1	2.62
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB3	1	2.62
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB2	13	2.62
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB3	13	2.62
(1,162)	1:479:A:GLN:HA	1:480:A:LEU:H	10	2.62
(1,130)	1:469:A:PHE:H	1:469:A:PHE:HB2	1	2.62
(1,120)	1:473:A:MET:H	1:473:A:MET:HG3	3	2.62
(1,120)	1:473:A:MET:H	1:473:A:MET:HG3	15	2.62
(1,88)	1:481:A:LYS:H	1:481:A:LYS:HB3	1	2.62
(1,77)	1:445:A:SER:HA	1:446:A:LYS:H	8	2.62
(1,70)	1:413:A:PRO:HB2	1:414:A:GLN:H	11	2.62
(1,70)	1:413:A:PRO:HB3	1:414:A:GLN:H	11	2.62
(1,46)	1:439:A:ASP:H	1:439:A:ASP:HB2	7	2.62
(1,46)	1:439:A:ASP:H	1:439:A:ASP:HB2	13	2.62
(1,34)	1:477:A:LYS:HA	1:478:A:VAL:H	15	2.62
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD2	12	2.62
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD3	12	2.62
(1,3)	1:469:A:PHE:HA	1:470:A:GLN:H	1	2.62
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	13	2.61
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	13	2.61
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	13	2.61
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	13	2.61
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD1	17	2.61
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD2	17	2.61
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD2	6	2.61
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD3	6	2.61
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB2	9	2.61
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB3	9	2.61
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB2	11	2.61
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB3	11	2.61
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB2	15	2.61
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB3	15	2.61
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB2	17	2.61
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB3	17	2.61
(1,1500)	1:463:A:ILE:HG21	1:479:A:GLN:HA	12	2.61
(1,1500)	1:463:A:ILE:HG22	1:479:A:GLN:HA	12	2.61
(1,1500)	1:463:A:ILE:HG23	1:479:A:GLN:HA	12	2.61
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD2	6	2.61
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD3	6	2.61
(1,1474)	1:398:A:GLN:HB2	1:398:A:GLN:HG2	13	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1474)	1:398:A:GLN:HB3	1:398:A:GLN:HG2	13	2.61
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG2	3	2.61
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG3	3	2.61
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG2	4	2.61
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG3	4	2.61
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG2	8	2.61
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG3	8	2.61
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG2	9	2.61
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG3	9	2.61
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG2	14	2.61
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG3	14	2.61
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG21	5	2.61
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG22	5	2.61
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG23	5	2.61
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG21	6	2.61
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG22	6	2.61
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG23	6	2.61
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD11	18	2.61
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD12	18	2.61
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD13	18	2.61
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG21	5	2.61
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG22	5	2.61
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG23	5	2.61
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG21	6	2.61
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG22	6	2.61
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG23	6	2.61
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	12	2.61
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	12	2.61
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	12	2.61
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	12	2.61
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	12	2.61
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	12	2.61
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	5	2.61
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	5	2.61
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	5	2.61
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	5	2.61
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	5	2.61
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	5	2.61
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	5	2.61
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	5	2.61
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	5	2.61
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	5	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	5	2.61
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	5	2.61
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	5	2.61
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	5	2.61
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	5	2.61
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	5	2.61
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	5	2.61
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	5	2.61
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	13	2.61
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	13	2.61
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	13	2.61
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	13	2.61
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	20	2.61
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	20	2.61
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	20	2.61
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	20	2.61
(1,1214)	1:415:A:GLU:H	1:415:A:GLU:HB2	19	2.61
(1,1180)	1:463:A:ILE:HG21	1:479:A:GLN:HA	12	2.61
(1,1180)	1:463:A:ILE:HG22	1:479:A:GLN:HA	12	2.61
(1,1180)	1:463:A:ILE:HG23	1:479:A:GLN:HA	12	2.61
(1,1175)	1:439:A:ASP:HA	1:440:A:LYS:H	18	2.61
(1,1135)	1:400:A:GLU:HA	1:401:A:GLY:H	2	2.61
(1,1102)	1:441:A:GLN:HB2	1:441:A:GLN:HG3	4	2.61
(1,1100)	1:474:A:LYS:HB2	1:475:A:ARG:H	16	2.61
(1,1100)	1:474:A:LYS:HB3	1:475:A:ARG:H	16	2.61
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD1	15	2.61
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD2	15	2.61
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG2	3	2.61
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG3	3	2.61
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG2	4	2.61
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG3	4	2.61
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG2	8	2.61
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG3	8	2.61
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG2	9	2.61
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG3	9	2.61
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG2	14	2.61
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG3	14	2.61
(1,1032)	1:430:A:ASN:HB2	1:454:A:ASP:H	14	2.61
(1,1032)	1:430:A:ASN:HB3	1:454:A:ASP:H	14	2.61
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD11	8	2.61
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD12	8	2.61
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD13	8	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD11	18	2.61
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD12	18	2.61
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD13	18	2.61
(1,1015)	1:478:A:VAL:HA	1:479:A:GLN:H	17	2.61
(1,1000)	1:467:A:ASN:H	1:467:A:ASN:HB2	11	2.61
(1,1000)	1:467:A:ASN:H	1:467:A:ASN:HB2	13	2.61
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	12	2.61
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	12	2.61
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	12	2.61
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	12	2.61
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	12	2.61
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	12	2.61
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	12	2.61
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	12	2.61
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	12	2.61
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD11	17	2.61
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD12	17	2.61
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD13	17	2.61
(1,979)	1:413:A:PRO:HA	1:414:A:GLN:H	7	2.61
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB1	11	2.61
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB2	11	2.61
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB3	11	2.61
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB1	4	2.61
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB2	4	2.61
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB3	4	2.61
(1,896)	1:462:A:ALA:HB1	1:463:A:ILE:H	17	2.61
(1,896)	1:462:A:ALA:HB2	1:463:A:ILE:H	17	2.61
(1,896)	1:462:A:ALA:HB3	1:463:A:ILE:H	17	2.61
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB2	17	2.61
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB3	17	2.61
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD2	11	2.61
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD3	11	2.61
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD2	16	2.61
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD3	16	2.61
(1,857)	1:409:A:ILE:HG21	1:410:A:TYR:H	15	2.61
(1,857)	1:409:A:ILE:HG22	1:410:A:TYR:H	15	2.61
(1,857)	1:409:A:ILE:HG23	1:410:A:TYR:H	15	2.61
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG11	7	2.61
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG12	7	2.61
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG13	7	2.61
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG11	18	2.61
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG12	18	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG13	18	2.61
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	13	2.61
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	13	2.61
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	13	2.61
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	13	2.61
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	20	2.61
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	20	2.61
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	20	2.61
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	20	2.61
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE2	3	2.61
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE3	3	2.61
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE2	3	2.61
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE3	3	2.61
(1,574)	1:466:A:MET:H	1:466:A:MET:HB2	8	2.61
(1,574)	1:466:A:MET:H	1:466:A:MET:HB3	8	2.61
(1,554)	1:425:A:PHE:H	1:425:A:PHE:HB2	6	2.61
(1,519)	1:432:A:ILE:H	1:433:A:SER:H	6	2.61
(1,519)	1:432:A:ILE:H	1:433:A:SER:H	14	2.61
(1,472)	1:424:A:MET:H	1:424:A:MET:HB2	9	2.61
(1,472)	1:424:A:MET:H	1:424:A:MET:HB3	9	2.61
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB2	7	2.61
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB3	7	2.61
(1,436)	1:420:A:ASP:H	1:421:A:ILE:H	1	2.61
(1,436)	1:420:A:ASP:H	1:421:A:ILE:H	18	2.61
(1,426)	1:442:A:THR:H	1:443:A:ASN:H	9	2.61
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD1	17	2.61
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD2	17	2.61
(1,330)	1:403:A:GLU:H	1:403:A:GLU:HB2	19	2.61
(1,327)	1:402:A:PRO:HA	1:403:A:GLU:H	8	2.61
(1,265)	1:408:A:PHE:HA	1:409:A:ILE:H	11	2.61
(1,265)	1:408:A:PHE:HA	1:409:A:ILE:H	13	2.61
(1,246)	1:452:A:SER:HA	1:453:A:TYR:H	6	2.61
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG12	4	2.61
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG13	4	2.61
(1,201)	1:415:A:GLU:H	1:416:A:PHE:H	8	2.61
(1,201)	1:415:A:GLU:H	1:416:A:PHE:H	15	2.61
(1,191)	1:435:A:LYS:HA	1:436:A:VAL:H	13	2.61
(1,153)	1:406:A:ASN:HA	1:407:A:LEU:H	20	2.61
(1,121)	1:473:A:MET:H	1:473:A:MET:HG2	11	2.61
(1,102)	1:478:A:VAL:HA	1:479:A:GLN:H	17	2.61
(1,68)	1:413:A:PRO:HA	1:414:A:GLN:H	7	2.61
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD1	8	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD2	8	2.61
(1,46)	1:439:A:ASP:H	1:439:A:ASP:HB2	16	2.61
(1,45)	1:438:A:ILE:HA	1:439:A:ASP:H	6	2.61
(1,34)	1:477:A:LYS:HA	1:478:A:VAL:H	17	2.61
(1,3)	1:469:A:PHE:HA	1:470:A:GLN:H	13	2.61
(1,3)	1:469:A:PHE:HA	1:470:A:GLN:H	20	2.61
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD1	2	2.6
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD2	2	2.6
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD1	19	2.6
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD2	19	2.6
(1,1466)	1:414:A:GLN:HB2	1:414:A:GLN:HG3	20	2.6
(1,1465)	1:423:A:GLN:HB2	1:423:A:GLN:HG2	6	2.6
(1,1465)	1:423:A:GLN:HB3	1:423:A:GLN:HG2	6	2.6
(1,1465)	1:423:A:GLN:HB2	1:423:A:GLN:HG2	7	2.6
(1,1465)	1:423:A:GLN:HB3	1:423:A:GLN:HG2	7	2.6
(1,1465)	1:423:A:GLN:HB2	1:423:A:GLN:HG2	19	2.6
(1,1465)	1:423:A:GLN:HB3	1:423:A:GLN:HG2	19	2.6
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB2	2	2.6
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB3	2	2.6
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD1	14	2.6
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD2	14	2.6
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG11	3	2.6
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG12	3	2.6
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG13	3	2.6
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB2	2	2.6
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB3	2	2.6
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB1	4	2.6
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB2	4	2.6
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB3	4	2.6
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB1	4	2.6
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB2	4	2.6
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB3	4	2.6
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB1	4	2.6
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB2	4	2.6
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB3	4	2.6
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	15	2.6
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	15	2.6
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	15	2.6
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	15	2.6
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	15	2.6
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	15	2.6
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	15	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	15	2.6
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	15	2.6
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	15	2.6
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	15	2.6
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	15	2.6
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	15	2.6
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	15	2.6
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	15	2.6
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	15	2.6
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	15	2.6
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	15	2.6
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	5	2.6
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	5	2.6
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	5	2.6
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	5	2.6
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	10	2.6
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	10	2.6
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	10	2.6
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	10	2.6
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	10	2.6
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	10	2.6
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	12	2.6
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	12	2.6
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	12	2.6
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	12	2.6
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	12	2.6
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	12	2.6
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	18	2.6
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	18	2.6
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG11	3	2.6
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG12	3	2.6
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG13	3	2.6
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	9	2.6
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	9	2.6
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	9	2.6
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	9	2.6
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	9	2.6
(1,1278)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	9	2.6
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	15	2.6
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	15	2.6
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	15	2.6
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	15	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	15	2.6
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	15	2.6
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	15	2.6
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	15	2.6
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	15	2.6
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	15	2.6
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	15	2.6
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	15	2.6
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	15	2.6
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	15	2.6
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	15	2.6
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	15	2.6
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	15	2.6
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	15	2.6
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD2	17	2.6
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD3	17	2.6
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	6	2.6
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	6	2.6
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	6	2.6
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	6	2.6
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	13	2.6
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	13	2.6
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	13	2.6
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	13	2.6
(1,1175)	1:439:A:ASP:HA	1:440:A:LYS:H	5	2.6
(1,1175)	1:439:A:ASP:HA	1:440:A:LYS:H	10	2.6
(1,1144)	1:474:A:LYS:HA	1:475:A:ARG:H	4	2.6
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB2	2	2.6
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB3	2	2.6
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG2	2	2.6
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG3	2	2.6
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD11	17	2.6
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD12	17	2.6
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD13	17	2.6
(1,1000)	1:467:A:ASN:H	1:467:A:ASN:HB2	3	2.6
(1,1000)	1:467:A:ASN:H	1:467:A:ASN:HB2	9	2.6
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD11	3	2.6
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD12	3	2.6
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD13	3	2.6
(1,979)	1:413:A:PRO:HA	1:414:A:GLN:H	14	2.6
(1,979)	1:413:A:PRO:HA	1:414:A:GLN:H	15	2.6
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	15	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	15	2.6
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	15	2.6
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	15	2.6
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	15	2.6
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	15	2.6
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB1	15	2.6
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB2	15	2.6
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB3	15	2.6
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD11	9	2.6
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD12	9	2.6
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD13	9	2.6
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD21	9	2.6
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD22	9	2.6
(1,917)	1:422:A:LEU:HB3	1:422:A:LEU:HD23	9	2.6
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB1	14	2.6
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB2	14	2.6
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB3	14	2.6
(1,896)	1:462:A:ALA:HB1	1:463:A:ILE:H	8	2.6
(1,896)	1:462:A:ALA:HB2	1:463:A:ILE:H	8	2.6
(1,896)	1:462:A:ALA:HB3	1:463:A:ILE:H	8	2.6
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	6	2.6
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	6	2.6
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	6	2.6
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	6	2.6
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	14	2.6
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	14	2.6
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	14	2.6
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	14	2.6
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	18	2.6
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	18	2.6
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB1	18	2.6
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB2	18	2.6
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB3	18	2.6
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG11	2	2.6
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG12	2	2.6
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG13	2	2.6
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG21	2	2.6
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG22	2	2.6
(1,765)	1:457:A:VAL:H	1:457:A:VAL:HG23	2	2.6
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD11	5	2.6
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD12	5	2.6
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD13	5	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD21	5	2.6
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD22	5	2.6
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD23	5	2.6
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	5	2.6
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	5	2.6
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	5	2.6
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	5	2.6
(1,574)	1:466:A:MET:H	1:466:A:MET:HB2	15	2.6
(1,574)	1:466:A:MET:H	1:466:A:MET:HB3	15	2.6
(1,554)	1:425:A:PHE:H	1:425:A:PHE:HB2	10	2.6
(1,519)	1:432:A:ILE:H	1:433:A:SER:H	4	2.6
(1,519)	1:432:A:ILE:H	1:433:A:SER:H	20	2.6
(1,476)	1:445:A:SER:H	1:445:A:SER:HB2	17	2.6
(1,472)	1:424:A:MET:H	1:424:A:MET:HB2	15	2.6
(1,472)	1:424:A:MET:H	1:424:A:MET:HB3	15	2.6
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB2	2	2.6
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB3	2	2.6
(1,462)	1:423:A:GLN:H	1:424:A:MET:H	15	2.6
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB2	10	2.6
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB3	10	2.6
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB2	12	2.6
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB3	12	2.6
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB2	17	2.6
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB3	17	2.6
(1,426)	1:442:A:THR:H	1:443:A:ASN:H	3	2.6
(1,426)	1:442:A:THR:H	1:443:A:ASN:H	5	2.6
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB2	3	2.6
(1,398)	1:430:A:ASN:H	1:430:A:ASN:HB3	3	2.6
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD1	19	2.6
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD2	19	2.6
(1,310)	1:475:A:ARG:H	1:475:A:ARG:HD2	18	2.6
(1,308)	1:474:A:LYS:HA	1:475:A:ARG:H	4	2.6
(1,265)	1:408:A:PHE:HA	1:409:A:ILE:H	12	2.6
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB2	6	2.6
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB3	6	2.6
(1,153)	1:406:A:ASN:HA	1:407:A:LEU:H	16	2.6
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD11	6	2.6
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD12	6	2.6
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD13	6	2.6
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD21	6	2.6
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD22	6	2.6
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD23	6	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:489:A:PRO:HA	1:490:A:TYR:H	17	2.6
(1,108)	1:476:A:LEU:HA	1:477:A:LYS:H	8	2.6
(1,99)	1:407:A:LEU:H	1:451:A:VAL:H	9	2.6
(1,68)	1:413:A:PRO:HA	1:414:A:GLN:H	14	2.6
(1,68)	1:413:A:PRO:HA	1:414:A:GLN:H	15	2.6
(1,46)	1:439:A:ASP:H	1:439:A:ASP:HB2	14	2.6
(1,45)	1:438:A:ILE:HA	1:439:A:ASP:H	1	2.6
(1,45)	1:438:A:ILE:HA	1:439:A:ASP:H	10	2.6
(1,45)	1:438:A:ILE:HA	1:439:A:ASP:H	11	2.6
(1,45)	1:438:A:ILE:HA	1:439:A:ASP:H	14	2.6
(1,34)	1:477:A:LYS:HA	1:478:A:VAL:H	1	2.6
(1,14)	1:431:A:VAL:HA	1:432:A:ILE:H	17	2.6
(1,1589)	1:411:A:HIS:HA	1:411:A:HIS:HD2	1	2.59
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD1	3	2.59
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD2	3	2.59
(1,1500)	1:463:A:ILE:HG21	1:479:A:GLN:HA	14	2.59
(1,1500)	1:463:A:ILE:HG22	1:479:A:GLN:HA	14	2.59
(1,1500)	1:463:A:ILE:HG23	1:479:A:GLN:HA	14	2.59
(1,1465)	1:423:A:GLN:HB2	1:423:A:GLN:HG2	16	2.59
(1,1465)	1:423:A:GLN:HB3	1:423:A:GLN:HG2	16	2.59
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG2	16	2.59
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG3	16	2.59
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG21	4	2.59
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG22	4	2.59
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG23	4	2.59
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG21	4	2.59
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG22	4	2.59
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG23	4	2.59
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	6	2.59
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	6	2.59
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	6	2.59
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	6	2.59
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	6	2.59
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	6	2.59
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	3	2.59
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	3	2.59
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	3	2.59
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	3	2.59
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	3	2.59
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	3	2.59
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	3	2.59
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	3	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	3	2.59
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	8	2.59
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	8	2.59
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	8	2.59
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	8	2.59
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	20	2.59
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	20	2.59
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	20	2.59
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	20	2.59
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	20	2.59
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	20	2.59
(1,1359)	1:475:A:ARG:HB2	1:475:A:ARG:HD2	14	2.59
(1,1359)	1:475:A:ARG:HB3	1:475:A:ARG:HD2	14	2.59
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG11	4	2.59
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG12	4	2.59
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG13	4	2.59
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG21	4	2.59
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG22	4	2.59
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG23	4	2.59
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD11	2	2.59
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD12	2	2.59
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD13	2	2.59
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD21	2	2.59
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD22	2	2.59
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD23	2	2.59
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD11	20	2.59
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD12	20	2.59
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD13	20	2.59
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD21	20	2.59
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD22	20	2.59
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD23	20	2.59
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	13	2.59
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	13	2.59
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	13	2.59
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	13	2.59
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	13	2.59
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	13	2.59
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	13	2.59
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	13	2.59
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	13	2.59
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	13	2.59
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	13	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	13	2.59
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	13	2.59
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	13	2.59
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	13	2.59
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	13	2.59
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	13	2.59
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	13	2.59
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	8	2.59
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	8	2.59
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	8	2.59
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	8	2.59
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD2	4	2.59
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD3	4	2.59
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	12	2.59
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	12	2.59
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	12	2.59
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	12	2.59
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD2	1	2.59
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD3	1	2.59
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD2	1	2.59
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD3	1	2.59
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD2	18	2.59
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD3	18	2.59
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD2	18	2.59
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD3	18	2.59
(1,1191)	1:481:A:LYS:HB3	1:481:A:LYS:HD2	3	2.59
(1,1191)	1:481:A:LYS:HB3	1:481:A:LYS:HD2	17	2.59
(1,1180)	1:463:A:ILE:HG21	1:479:A:GLN:HA	14	2.59
(1,1180)	1:463:A:ILE:HG22	1:479:A:GLN:HA	14	2.59
(1,1180)	1:463:A:ILE:HG23	1:479:A:GLN:HA	14	2.59
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD11	2	2.59
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD12	2	2.59
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD13	2	2.59
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD21	2	2.59
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD22	2	2.59
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD23	2	2.59
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD11	20	2.59
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD12	20	2.59
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD13	20	2.59
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD21	20	2.59
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD22	20	2.59
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD23	20	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1175)	1:439:A:ASP:HA	1:440:A:LYS:H	17	2.59
(1,1175)	1:439:A:ASP:HA	1:440:A:LYS:H	19	2.59
(1,1135)	1:400:A:GLU:HA	1:401:A:GLY:H	3	2.59
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG2	12	2.59
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG3	12	2.59
(1,1111)	1:423:A:GLN:HA	1:423:A:GLN:HG2	8	2.59
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG2	7	2.59
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG3	7	2.59
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG2	10	2.59
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG3	10	2.59
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	11	2.59
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	11	2.59
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	11	2.59
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	11	2.59
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	11	2.59
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	11	2.59
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	11	2.59
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	11	2.59
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	11	2.59
(1,1032)	1:430:A:ASN:HB2	1:454:A:ASP:H	4	2.59
(1,1032)	1:430:A:ASN:HB3	1:454:A:ASP:H	4	2.59
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	13	2.59
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	13	2.59
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	13	2.59
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	13	2.59
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	13	2.59
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	13	2.59
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	9	2.59
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	9	2.59
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	9	2.59
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	9	2.59
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	9	2.59
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	9	2.59
(1,963)	1:420:A:ASP:H	1:420:A:ASP:HB3	19	2.59
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG21	15	2.59
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG22	15	2.59
(1,961)	1:432:A:ILE:HA	1:432:A:ILE:HG23	15	2.59
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB1	13	2.59
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB2	13	2.59
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB3	13	2.59
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB1	14	2.59
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB2	14	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB3	14	2.59
(1,936)	1:459:A:ALA:HB1	1:460:A:GLN:H	14	2.59
(1,936)	1:459:A:ALA:HB2	1:460:A:GLN:H	14	2.59
(1,936)	1:459:A:ALA:HB3	1:460:A:GLN:H	14	2.59
(1,932)	1:421:A:ILE:HG21	1:422:A:LEU:H	7	2.59
(1,932)	1:421:A:ILE:HG22	1:422:A:LEU:H	7	2.59
(1,932)	1:421:A:ILE:HG23	1:422:A:LEU:H	7	2.59
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	6	2.59
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	6	2.59
(1,896)	1:462:A:ALA:HB1	1:463:A:ILE:H	19	2.59
(1,896)	1:462:A:ALA:HB2	1:463:A:ILE:H	19	2.59
(1,896)	1:462:A:ALA:HB3	1:463:A:ILE:H	19	2.59
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	13	2.59
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	13	2.59
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	13	2.59
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	13	2.59
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	11	2.59
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	11	2.59
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	11	2.59
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	11	2.59
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	11	2.59
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	11	2.59
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	11	2.59
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	11	2.59
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	11	2.59
(1,788)	1:478:A:VAL:HG11	1:479:A:GLN:H	18	2.59
(1,788)	1:478:A:VAL:HG12	1:479:A:GLN:H	18	2.59
(1,788)	1:478:A:VAL:HG13	1:479:A:GLN:H	18	2.59
(1,532)	1:416:A:PHE:HA	1:417:A:GLY:H	12	2.59
(1,476)	1:445:A:SER:H	1:445:A:SER:HB2	20	2.59
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB2	10	2.59
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB3	10	2.59
(1,426)	1:442:A:THR:H	1:443:A:ASN:H	13	2.59
(1,386)	1:420:A:ASP:H	1:420:A:ASP:HB3	19	2.59
(1,236)	1:399:A:LYS:HA	1:400:A:GLU:H	11	2.59
(1,236)	1:399:A:LYS:HA	1:400:A:GLU:H	13	2.59
(1,191)	1:435:A:LYS:HA	1:436:A:VAL:H	9	2.59
(1,191)	1:435:A:LYS:HA	1:436:A:VAL:H	16	2.59
(1,191)	1:435:A:LYS:HA	1:436:A:VAL:H	20	2.59
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD11	1	2.59
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD12	1	2.59
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD13	1	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD21	1	2.59
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD22	1	2.59
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD23	1	2.59
(1,136)	1:421:A:ILE:HG21	1:422:A:LEU:H	7	2.59
(1,136)	1:421:A:ILE:HG22	1:422:A:LEU:H	7	2.59
(1,136)	1:421:A:ILE:HG23	1:422:A:LEU:H	7	2.59
(1,121)	1:473:A:MET:H	1:473:A:MET:HG2	9	2.59
(1,108)	1:476:A:LEU:HA	1:477:A:LYS:H	11	2.59
(1,88)	1:481:A:LYS:H	1:481:A:LYS:HB3	9	2.59
(1,70)	1:413:A:PRO:HB2	1:414:A:GLN:H	2	2.59
(1,70)	1:413:A:PRO:HB3	1:414:A:GLN:H	2	2.59
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD1	2	2.59
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD2	2	2.59
(1,45)	1:438:A:ILE:HA	1:439:A:ASP:H	13	2.59
(1,45)	1:438:A:ILE:HA	1:439:A:ASP:H	19	2.59
(1,34)	1:477:A:LYS:HA	1:478:A:VAL:H	19	2.59
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD2	17	2.59
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD3	17	2.59
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD1	13	2.58
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD2	13	2.58
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD1	18	2.58
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD2	18	2.58
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD1	3	2.58
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD2	3	2.58
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD1	3	2.58
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD2	3	2.58
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB2	20	2.58
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB3	20	2.58
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB2	11	2.58
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB3	11	2.58
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	1	2.58
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	1	2.58
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB2	3	2.58
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB3	3	2.58
(1,1500)	1:463:A:ILE:HG21	1:479:A:GLN:HA	18	2.58
(1,1500)	1:463:A:ILE:HG22	1:479:A:GLN:HA	18	2.58
(1,1500)	1:463:A:ILE:HG23	1:479:A:GLN:HA	18	2.58
(1,1465)	1:423:A:GLN:HB2	1:423:A:GLN:HG2	2	2.58
(1,1465)	1:423:A:GLN:HB3	1:423:A:GLN:HG2	2	2.58
(1,1462)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	5	2.58
(1,1462)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	5	2.58
(1,1462)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	20	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1462)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	20	2.58
(1,1455)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	17	2.58
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB2	9	2.58
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB3	9	2.58
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD11	1	2.58
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD12	1	2.58
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD13	1	2.58
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB2	9	2.58
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB3	9	2.58
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	19	2.58
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	19	2.58
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	19	2.58
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	19	2.58
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	19	2.58
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	19	2.58
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	16	2.58
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	16	2.58
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	16	2.58
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	16	2.58
(1,1359)	1:475:A:ARG:HB2	1:475:A:ARG:HD2	8	2.58
(1,1359)	1:475:A:ARG:HB3	1:475:A:ARG:HD2	8	2.58
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	10	2.58
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	10	2.58
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	10	2.58
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	10	2.58
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	10	2.58
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	10	2.58
(1,1222)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	5	2.58
(1,1222)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	5	2.58
(1,1222)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	20	2.58
(1,1222)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	20	2.58
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	16	2.58
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	16	2.58
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	16	2.58
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	16	2.58
(1,1214)	1:415:A:GLU:H	1:415:A:GLU:HB2	1	2.58
(1,1197)	1:441:A:GLN:HB2	1:442:A:THR:H	15	2.58
(1,1191)	1:481:A:LYS:HB3	1:481:A:LYS:HD2	6	2.58
(1,1180)	1:463:A:ILE:HG21	1:479:A:GLN:HA	18	2.58
(1,1180)	1:463:A:ILE:HG22	1:479:A:GLN:HA	18	2.58
(1,1180)	1:463:A:ILE:HG23	1:479:A:GLN:HA	18	2.58
(1,1113)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	5	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1113)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	5	2.58
(1,1113)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	20	2.58
(1,1113)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	20	2.58
(1,1111)	1:423:A:GLN:HA	1:423:A:GLN:HG2	5	2.58
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD1	17	2.58
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD2	17	2.58
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB2	9	2.58
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB3	9	2.58
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG2	5	2.58
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG3	5	2.58
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG2	6	2.58
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG3	6	2.58
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD11	1	2.58
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD12	1	2.58
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD13	1	2.58
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	1	2.58
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	1	2.58
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	1	2.58
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	1	2.58
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	1	2.58
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	1	2.58
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	20	2.58
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	20	2.58
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	20	2.58
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	20	2.58
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	20	2.58
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	20	2.58
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	17	2.58
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	17	2.58
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	17	2.58
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	17	2.58
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	17	2.58
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	17	2.58
(1,963)	1:420:A:ASP:H	1:420:A:ASP:HB3	12	2.58
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB1	6	2.58
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB2	6	2.58
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB3	6	2.58
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB1	10	2.58
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB2	10	2.58
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB3	10	2.58
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB1	15	2.58
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB2	15	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB3	15	2.58
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	6	2.58
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	6	2.58
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	6	2.58
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	6	2.58
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	6	2.58
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	6	2.58
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	6	2.58
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	6	2.58
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	6	2.58
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	14	2.58
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	14	2.58
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	14	2.58
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	14	2.58
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	14	2.58
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	14	2.58
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	14	2.58
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	14	2.58
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	14	2.58
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	19	2.58
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	19	2.58
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	19	2.58
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	19	2.58
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	19	2.58
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	19	2.58
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB1	9	2.58
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB2	9	2.58
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB3	9	2.58
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	9	2.58
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	9	2.58
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	9	2.58
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	9	2.58
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	6	2.58
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	6	2.58
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	6	2.58
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	6	2.58
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	6	2.58
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	6	2.58
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	6	2.58
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	6	2.58
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	6	2.58
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	14	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	14	2.58
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	14	2.58
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	14	2.58
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	14	2.58
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	14	2.58
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	14	2.58
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	14	2.58
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	14	2.58
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE2	13	2.58
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE3	13	2.58
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE2	13	2.58
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE3	13	2.58
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	16	2.58
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	16	2.58
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	16	2.58
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	16	2.58
(1,535)	1:453:A:TYR:HA	1:454:A:ASP:H	18	2.58
(1,519)	1:432:A:ILE:H	1:433:A:SER:H	1	2.58
(1,512)	1:454:A:ASP:HB3	1:455:A:ASN:H	14	2.58
(1,508)	1:453:A:TYR:HD1	1:455:A:ASN:H	3	2.58
(1,508)	1:453:A:TYR:HD2	1:455:A:ASN:H	3	2.58
(1,474)	1:444:A:LEU:HA	1:445:A:SER:H	4	2.58
(1,474)	1:444:A:LEU:HA	1:445:A:SER:H	11	2.58
(1,474)	1:444:A:LEU:HA	1:445:A:SER:H	13	2.58
(1,472)	1:424:A:MET:H	1:424:A:MET:HB2	12	2.58
(1,472)	1:424:A:MET:H	1:424:A:MET:HB3	12	2.58
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB2	4	2.58
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB3	4	2.58
(1,462)	1:423:A:GLN:H	1:424:A:MET:H	1	2.58
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB2	11	2.58
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB3	11	2.58
(1,426)	1:442:A:THR:H	1:443:A:ASN:H	7	2.58
(1,386)	1:420:A:ASP:H	1:420:A:ASP:HB3	12	2.58
(1,347)	1:408:A:PHE:H	1:408:A:PHE:HB2	17	2.58
(1,310)	1:475:A:ARG:H	1:475:A:ARG:HD2	13	2.58
(1,265)	1:408:A:PHE:HA	1:409:A:ILE:H	1	2.58
(1,265)	1:408:A:PHE:HA	1:409:A:ILE:H	8	2.58
(1,246)	1:452:A:SER:HA	1:453:A:TYR:H	19	2.58
(1,236)	1:399:A:LYS:HA	1:400:A:GLU:H	7	2.58
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG12	1	2.58
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG13	1	2.58
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG12	12	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG13	12	2.58
(1,203)	1:416:A:PHE:H	1:416:A:PHE:HB2	12	2.58
(1,201)	1:415:A:GLU:H	1:416:A:PHE:H	16	2.58
(1,191)	1:435:A:LYS:HA	1:436:A:VAL:H	1	2.58
(1,143)	1:410:A:TYR:H	1:410:A:TYR:HB2	12	2.58
(1,116)	1:490:A:TYR:H	1:490:A:TYR:HB2	10	2.58
(1,108)	1:476:A:LEU:HA	1:477:A:LYS:H	18	2.58
(1,3)	1:469:A:PHE:HA	1:470:A:GLN:H	7	2.58
(1,1589)	1:411:A:HIS:HA	1:411:A:HIS:HD2	15	2.57
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB2	8	2.57
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB3	8	2.57
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB2	11	2.57
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB3	11	2.57
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB2	17	2.57
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB3	17	2.57
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB2	19	2.57
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB3	19	2.57
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB2	17	2.57
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB3	17	2.57
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB2	2	2.57
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB3	2	2.57
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB2	6	2.57
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB3	6	2.57
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB2	8	2.57
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB3	8	2.57
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD2	12	2.57
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD3	12	2.57
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD2	12	2.57
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD3	12	2.57
(1,1466)	1:414:A:GLN:HB2	1:414:A:GLN:HG3	17	2.57
(1,1465)	1:423:A:GLN:HB2	1:423:A:GLN:HG2	13	2.57
(1,1465)	1:423:A:GLN:HB3	1:423:A:GLN:HG2	13	2.57
(1,1462)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	18	2.57
(1,1462)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	18	2.57
(1,1455)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	6	2.57
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB2	8	2.57
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB3	8	2.57
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB2	12	2.57
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB3	12	2.57
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG21	2	2.57
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG22	2	2.57
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG23	2	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG21	12	2.57
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG22	12	2.57
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG23	12	2.57
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD11	20	2.57
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD12	20	2.57
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD13	20	2.57
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG21	2	2.57
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG22	2	2.57
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG23	2	2.57
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG21	12	2.57
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG22	12	2.57
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG23	12	2.57
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	1	2.57
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	1	2.57
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	1	2.57
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	1	2.57
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	1	2.57
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	1	2.57
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	16	2.57
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	16	2.57
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	16	2.57
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	16	2.57
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	16	2.57
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	16	2.57
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	20	2.57
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	20	2.57
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	20	2.57
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	20	2.57
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	20	2.57
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	20	2.57
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB2	8	2.57
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB3	8	2.57
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	1	2.57
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	1	2.57
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	1	2.57
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	1	2.57
(1,1359)	1:475:A:ARG:HB2	1:475:A:ARG:HD2	1	2.57
(1,1359)	1:475:A:ARG:HB3	1:475:A:ARG:HD2	1	2.57
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG11	7	2.57
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG12	7	2.57
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG13	7	2.57
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG21	7	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG22	7	2.57
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG23	7	2.57
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD11	3	2.57
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD12	3	2.57
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD13	3	2.57
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD21	3	2.57
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD22	3	2.57
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD23	3	2.57
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	1	2.57
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	1	2.57
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	1	2.57
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	1	2.57
(1,1222)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	18	2.57
(1,1222)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	18	2.57
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	2	2.57
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	2	2.57
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	2	2.57
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	2	2.57
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	18	2.57
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	18	2.57
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	18	2.57
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	18	2.57
(1,1214)	1:415:A:GLU:H	1:415:A:GLU:HB2	12	2.57
(1,1214)	1:415:A:GLU:H	1:415:A:GLU:HB2	20	2.57
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD2	3	2.57
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD3	3	2.57
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	15	2.57
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	15	2.57
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	15	2.57
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	15	2.57
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	19	2.57
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	19	2.57
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	19	2.57
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	19	2.57
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	19	2.57
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	19	2.57
(1,1175)	1:439:A:ASP:HA	1:440:A:LYS:H	6	2.57
(1,1135)	1:400:A:GLU:HA	1:401:A:GLY:H	1	2.57
(1,1135)	1:400:A:GLU:HA	1:401:A:GLY:H	6	2.57
(1,1135)	1:400:A:GLU:HA	1:401:A:GLY:H	16	2.57
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG2	9	2.57
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG3	9	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1113)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	18	2.57
(1,1113)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	18	2.57
(1,1100)	1:474:A:LYS:HB2	1:475:A:ARG:H	19	2.57
(1,1100)	1:474:A:LYS:HB3	1:475:A:ARG:H	19	2.57
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB2	8	2.57
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB3	8	2.57
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB2	12	2.57
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB3	12	2.57
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG2	13	2.57
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG3	13	2.57
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD11	5	2.57
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD12	5	2.57
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD13	5	2.57
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD11	20	2.57
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD12	20	2.57
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD13	20	2.57
(1,985)	1:416:A:PHE:HB3	1:417:A:GLY:H	13	2.57
(1,979)	1:413:A:PRO:HA	1:414:A:GLN:H	3	2.57
(1,979)	1:413:A:PRO:HA	1:414:A:GLN:H	6	2.57
(1,979)	1:413:A:PRO:HA	1:414:A:GLN:H	12	2.57
(1,979)	1:413:A:PRO:HA	1:414:A:GLN:H	18	2.57
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	2	2.57
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	2	2.57
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	2	2.57
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	2	2.57
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	2	2.57
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	2	2.57
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	19	2.57
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	19	2.57
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	19	2.57
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	19	2.57
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	19	2.57
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	19	2.57
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB1	6	2.57
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB2	6	2.57
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB3	6	2.57
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	12	2.57
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	12	2.57
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	12	2.57
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	12	2.57
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	12	2.57
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	12	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	12	2.57
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	12	2.57
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	12	2.57
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB1	17	2.57
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB2	17	2.57
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB3	17	2.57
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	12	2.57
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	12	2.57
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	12	2.57
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	12	2.57
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	20	2.57
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	20	2.57
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	20	2.57
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	20	2.57
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	6	2.57
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	6	2.57
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	6	2.57
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	6	2.57
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	6	2.57
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	6	2.57
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	6	2.57
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	6	2.57
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	6	2.57
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	12	2.57
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	12	2.57
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	12	2.57
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	12	2.57
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	12	2.57
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	12	2.57
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	12	2.57
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	12	2.57
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	12	2.57
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB1	4	2.57
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB2	4	2.57
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB3	4	2.57
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD11	1	2.57
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD12	1	2.57
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD13	1	2.57
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD21	1	2.57
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD22	1	2.57
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD23	1	2.57
(1,679)	1:477:A:LYS:HG2	1:478:A:VAL:H	8	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,679)	1:477:A:LYS:HG3	1:478:A:VAL:H	8	2.57
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE2	15	2.57
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE3	15	2.57
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE2	15	2.57
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE3	15	2.57
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE2	16	2.57
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE3	16	2.57
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE2	16	2.57
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE3	16	2.57
(1,574)	1:466:A:MET:H	1:466:A:MET:HB2	19	2.57
(1,574)	1:466:A:MET:H	1:466:A:MET:HB3	19	2.57
(1,554)	1:425:A:PHE:H	1:425:A:PHE:HB2	18	2.57
(1,474)	1:444:A:LEU:HA	1:445:A:SER:H	3	2.57
(1,474)	1:444:A:LEU:HA	1:445:A:SER:H	7	2.57
(1,474)	1:444:A:LEU:HA	1:445:A:SER:H	16	2.57
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB2	5	2.57
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB3	5	2.57
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB2	6	2.57
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB3	6	2.57
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB2	18	2.57
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB3	18	2.57
(1,435)	1:421:A:ILE:H	1:422:A:LEU:H	10	2.57
(1,435)	1:421:A:ILE:H	1:422:A:LEU:H	16	2.57
(1,360)	1:463:A:ILE:H	1:463:A:ILE:HB	16	2.57
(1,318)	1:473:A:MET:H	1:474:A:LYS:H	13	2.57
(1,312)	1:474:A:LYS:HB3	1:475:A:ARG:H	16	2.57
(1,310)	1:475:A:ARG:H	1:475:A:ARG:HD2	11	2.57
(1,268)	1:457:A:VAL:H	1:458:A:SER:H	15	2.57
(1,265)	1:408:A:PHE:HA	1:409:A:ILE:H	2	2.57
(1,265)	1:408:A:PHE:HA	1:409:A:ILE:H	3	2.57
(1,265)	1:408:A:PHE:HA	1:409:A:ILE:H	6	2.57
(1,246)	1:452:A:SER:HA	1:453:A:TYR:H	2	2.57
(1,246)	1:452:A:SER:HA	1:453:A:TYR:H	5	2.57
(1,246)	1:452:A:SER:HA	1:453:A:TYR:H	7	2.57
(1,246)	1:452:A:SER:HA	1:453:A:TYR:H	16	2.57
(1,246)	1:452:A:SER:HA	1:453:A:TYR:H	20	2.57
(1,236)	1:399:A:LYS:HA	1:400:A:GLU:H	19	2.57
(1,129)	1:469:A:PHE:H	1:469:A:PHE:HB3	15	2.57
(1,120)	1:473:A:MET:H	1:473:A:MET:HG3	14	2.57
(1,119)	1:473:A:MET:H	1:474:A:LYS:H	13	2.57
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB2	10	2.57
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB3	10	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB2	11	2.57
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB3	11	2.57
(1,108)	1:476:A:LEU:HA	1:477:A:LYS:H	9	2.57
(1,68)	1:413:A:PRO:HA	1:414:A:GLN:H	3	2.57
(1,68)	1:413:A:PRO:HA	1:414:A:GLN:H	6	2.57
(1,68)	1:413:A:PRO:HA	1:414:A:GLN:H	12	2.57
(1,68)	1:413:A:PRO:HA	1:414:A:GLN:H	18	2.57
(1,45)	1:438:A:ILE:HA	1:439:A:ASP:H	7	2.57
(1,34)	1:477:A:LYS:HA	1:478:A:VAL:H	11	2.57
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	18	2.56
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	18	2.56
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	18	2.56
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	18	2.56
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD1	7	2.56
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD2	7	2.56
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD1	17	2.56
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD2	17	2.56
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD1	17	2.56
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD2	17	2.56
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB2	4	2.56
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB3	4	2.56
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB2	9	2.56
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB3	9	2.56
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB2	18	2.56
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB3	18	2.56
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB2	14	2.56
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB3	14	2.56
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB2	20	2.56
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB3	20	2.56
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	6	2.56
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	6	2.56
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD2	17	2.56
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD3	17	2.56
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB2	7	2.56
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB3	7	2.56
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB2	19	2.56
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB3	19	2.56
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD2	17	2.56
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD3	17	2.56
(1,1474)	1:398:A:GLN:HB2	1:398:A:GLN:HG2	5	2.56
(1,1474)	1:398:A:GLN:HB3	1:398:A:GLN:HG2	5	2.56
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD2	5	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD3	5	2.56
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD2	5	2.56
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD3	5	2.56
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD2	14	2.56
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD3	14	2.56
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD2	14	2.56
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD3	14	2.56
(1,1465)	1:423:A:GLN:HB2	1:423:A:GLN:HG2	18	2.56
(1,1465)	1:423:A:GLN:HB3	1:423:A:GLN:HG2	18	2.56
(1,1462)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	2	2.56
(1,1462)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	2	2.56
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG2	10	2.56
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG3	10	2.56
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG2	20	2.56
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG3	20	2.56
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB2	7	2.56
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB3	7	2.56
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB2	10	2.56
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB3	10	2.56
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB2	16	2.56
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB3	16	2.56
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB2	17	2.56
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB3	17	2.56
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB2	7	2.56
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB3	7	2.56
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB2	10	2.56
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB3	10	2.56
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB2	16	2.56
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB3	16	2.56
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	11	2.56
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	11	2.56
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	11	2.56
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	11	2.56
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	11	2.56
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	11	2.56
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD11	11	2.56
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD12	11	2.56
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD13	11	2.56
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD21	11	2.56
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD22	11	2.56
(1,1283)	1:444:A:LEU:HB3	1:444:A:LEU:HD23	11	2.56
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	3	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	3	2.56
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	3	2.56
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	3	2.56
(1,1222)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	2	2.56
(1,1222)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	2	2.56
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	15	2.56
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	15	2.56
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	15	2.56
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	15	2.56
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD2	2	2.56
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD3	2	2.56
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD2	2	2.56
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD3	2	2.56
(1,1175)	1:439:A:ASP:HA	1:440:A:LYS:H	15	2.56
(1,1135)	1:400:A:GLU:HA	1:401:A:GLY:H	5	2.56
(1,1113)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	2	2.56
(1,1113)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	2	2.56
(1,1111)	1:423:A:GLN:HA	1:423:A:GLN:HG2	17	2.56
(1,1111)	1:423:A:GLN:HA	1:423:A:GLN:HG2	20	2.56
(1,1102)	1:441:A:GLN:HB2	1:441:A:GLN:HG3	5	2.56
(1,1102)	1:441:A:GLN:HB2	1:441:A:GLN:HG3	8	2.56
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB2	7	2.56
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB3	7	2.56
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB2	10	2.56
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB3	10	2.56
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB2	16	2.56
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB3	16	2.56
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB2	17	2.56
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB3	17	2.56
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG2	1	2.56
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG3	1	2.56
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG2	3	2.56
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG3	3	2.56
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG2	11	2.56
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG3	11	2.56
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG2	14	2.56
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG3	14	2.56
(1,1015)	1:478:A:VAL:HA	1:479:A:GLN:H	2	2.56
(1,1015)	1:478:A:VAL:HA	1:479:A:GLN:H	7	2.56
(1,1000)	1:467:A:ASN:H	1:467:A:ASN:HB2	8	2.56
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD11	9	2.56
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD12	9	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD13	9	2.56
(1,979)	1:413:A:PRO:HA	1:414:A:GLN:H	16	2.56
(1,979)	1:413:A:PRO:HA	1:414:A:GLN:H	17	2.56
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	3	2.56
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	3	2.56
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	3	2.56
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	3	2.56
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	3	2.56
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	3	2.56
(1,963)	1:420:A:ASP:H	1:420:A:ASP:HB3	2	2.56
(1,963)	1:420:A:ASP:H	1:420:A:ASP:HB3	18	2.56
(1,936)	1:459:A:ALA:HB1	1:460:A:GLN:H	5	2.56
(1,936)	1:459:A:ALA:HB2	1:460:A:GLN:H	5	2.56
(1,936)	1:459:A:ALA:HB3	1:460:A:GLN:H	5	2.56
(1,932)	1:421:A:ILE:HG21	1:422:A:LEU:H	9	2.56
(1,932)	1:421:A:ILE:HG22	1:422:A:LEU:H	9	2.56
(1,932)	1:421:A:ILE:HG23	1:422:A:LEU:H	9	2.56
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	18	2.56
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	18	2.56
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	18	2.56
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	18	2.56
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	18	2.56
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	18	2.56
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	18	2.56
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	18	2.56
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	18	2.56
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB1	5	2.56
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB2	5	2.56
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB3	5	2.56
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	7	2.56
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	7	2.56
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	7	2.56
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	7	2.56
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	7	2.56
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	7	2.56
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	7	2.56
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	7	2.56
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	7	2.56
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	7	2.56
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	7	2.56
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	7	2.56
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	7	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	7	2.56
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	7	2.56
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	7	2.56
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	7	2.56
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	7	2.56
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	18	2.56
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	18	2.56
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	18	2.56
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	18	2.56
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	18	2.56
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	18	2.56
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	18	2.56
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	18	2.56
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	18	2.56
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB1	6	2.56
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB2	6	2.56
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB3	6	2.56
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB1	17	2.56
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB2	17	2.56
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB3	17	2.56
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	3	2.56
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	3	2.56
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	3	2.56
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	3	2.56
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	7	2.56
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	7	2.56
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	7	2.56
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	7	2.56
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	7	2.56
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	7	2.56
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	7	2.56
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	7	2.56
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	7	2.56
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	7	2.56
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	7	2.56
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	7	2.56
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	7	2.56
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	7	2.56
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	7	2.56
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	7	2.56
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	7	2.56
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	7	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,535)	1:453:A:TYR:HA	1:454:A:ASP:H	2	2.56
(1,535)	1:453:A:TYR:HA	1:454:A:ASP:H	3	2.56
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB2	13	2.56
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB3	13	2.56
(1,444)	1:419:A:GLN:H	1:420:A:ASP:H	16	2.56
(1,436)	1:420:A:ASP:H	1:421:A:ILE:H	4	2.56
(1,436)	1:420:A:ASP:H	1:421:A:ILE:H	5	2.56
(1,386)	1:420:A:ASP:H	1:420:A:ASP:HB3	2	2.56
(1,386)	1:420:A:ASP:H	1:420:A:ASP:HB3	18	2.56
(1,360)	1:463:A:ILE:H	1:463:A:ILE:HB	1	2.56
(1,327)	1:402:A:PRO:HA	1:403:A:GLU:H	11	2.56
(1,322)	1:451:A:VAL:HA	1:452:A:SER:H	7	2.56
(1,268)	1:457:A:VAL:H	1:458:A:SER:H	7	2.56
(1,268)	1:457:A:VAL:H	1:458:A:SER:H	20	2.56
(1,265)	1:408:A:PHE:HA	1:409:A:ILE:H	9	2.56
(1,265)	1:408:A:PHE:HA	1:409:A:ILE:H	16	2.56
(1,246)	1:452:A:SER:HA	1:453:A:TYR:H	4	2.56
(1,246)	1:452:A:SER:HA	1:453:A:TYR:H	11	2.56
(1,246)	1:452:A:SER:HA	1:453:A:TYR:H	13	2.56
(1,246)	1:452:A:SER:HA	1:453:A:TYR:H	18	2.56
(1,236)	1:399:A:LYS:HA	1:400:A:GLU:H	9	2.56
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG12	15	2.56
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG13	15	2.56
(1,223)	1:417:A:GLY:HA3	1:418:A:ASP:H	11	2.56
(1,201)	1:415:A:GLU:H	1:416:A:PHE:H	18	2.56
(1,191)	1:435:A:LYS:HA	1:436:A:VAL:H	3	2.56
(1,153)	1:406:A:ASN:HA	1:407:A:LEU:H	1	2.56
(1,136)	1:421:A:ILE:HG21	1:422:A:LEU:H	9	2.56
(1,136)	1:421:A:ILE:HG22	1:422:A:LEU:H	9	2.56
(1,136)	1:421:A:ILE:HG23	1:422:A:LEU:H	9	2.56
(1,121)	1:473:A:MET:H	1:473:A:MET:HG2	1	2.56
(1,108)	1:476:A:LEU:HA	1:477:A:LYS:H	5	2.56
(1,108)	1:476:A:LEU:HA	1:477:A:LYS:H	12	2.56
(1,102)	1:478:A:VAL:HA	1:479:A:GLN:H	2	2.56
(1,102)	1:478:A:VAL:HA	1:479:A:GLN:H	7	2.56
(1,86)	1:480:A:LEU:HA	1:481:A:LYS:H	9	2.56
(1,73)	1:414:A:GLN:H	1:414:A:GLN:HB3	13	2.56
(1,70)	1:413:A:PRO:HB2	1:414:A:GLN:H	5	2.56
(1,70)	1:413:A:PRO:HB3	1:414:A:GLN:H	5	2.56
(1,68)	1:413:A:PRO:HA	1:414:A:GLN:H	16	2.56
(1,68)	1:413:A:PRO:HA	1:414:A:GLN:H	17	2.56
(1,34)	1:477:A:LYS:HA	1:478:A:VAL:H	9	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,34)	1:477:A:LYS:HA	1:478:A:VAL:H	20	2.56
(1,10)	1:430:A:ASN:HA	1:431:A:VAL:H	1	2.56
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB2	3	2.55
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB3	3	2.55
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB2	15	2.55
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB3	15	2.55
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB2	2	2.55
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB3	2	2.55
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB2	3	2.55
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB3	3	2.55
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB2	16	2.55
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB3	16	2.55
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB2	19	2.55
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB3	19	2.55
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD2	12	2.55
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD3	12	2.55
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB2	10	2.55
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB3	10	2.55
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB2	14	2.55
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB3	14	2.55
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD2	10	2.55
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD3	10	2.55
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD2	10	2.55
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD3	10	2.55
(1,1466)	1:414:A:GLN:HB2	1:414:A:GLN:HG3	16	2.55
(1,1466)	1:414:A:GLN:HB2	1:414:A:GLN:HG3	18	2.55
(1,1465)	1:423:A:GLN:HB2	1:423:A:GLN:HG2	20	2.55
(1,1465)	1:423:A:GLN:HB3	1:423:A:GLN:HG2	20	2.55
(1,1462)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	7	2.55
(1,1462)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	7	2.55
(1,1462)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	13	2.55
(1,1462)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	13	2.55
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG2	16	2.55
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG3	16	2.55
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG2	18	2.55
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG3	18	2.55
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG2	7	2.55
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG3	7	2.55
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG2	15	2.55
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG3	15	2.55
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB2	1	2.55
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB3	1	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB2	4	2.55
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB3	4	2.55
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB2	7	2.55
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB3	7	2.55
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD11	16	2.55
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD12	16	2.55
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD13	16	2.55
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD11	17	2.55
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD12	17	2.55
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD13	17	2.55
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD1	8	2.55
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD2	8	2.55
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	10	2.55
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	10	2.55
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	10	2.55
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	10	2.55
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	10	2.55
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	10	2.55
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB2	1	2.55
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB3	1	2.55
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB2	4	2.55
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB3	4	2.55
(1,1359)	1:475:A:ARG:HB2	1:475:A:ARG:HD2	9	2.55
(1,1359)	1:475:A:ARG:HB3	1:475:A:ARG:HD2	9	2.55
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	1	2.55
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	1	2.55
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	11	2.55
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	11	2.55
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG12	16	2.55
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG13	16	2.55
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG11	14	2.55
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG12	14	2.55
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG13	14	2.55
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG21	14	2.55
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG22	14	2.55
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG23	14	2.55
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG11	18	2.55
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG12	18	2.55
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG13	18	2.55
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG21	18	2.55
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG22	18	2.55
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG23	18	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	11	2.55
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	11	2.55
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	11	2.55
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	11	2.55
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD11	17	2.55
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD12	17	2.55
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD13	17	2.55
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD21	17	2.55
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD22	17	2.55
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD23	17	2.55
(1,1222)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	7	2.55
(1,1222)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	7	2.55
(1,1222)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	13	2.55
(1,1222)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	13	2.55
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD2	4	2.55
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD3	4	2.55
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD2	4	2.55
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD3	4	2.55
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD2	5	2.55
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD3	5	2.55
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD2	5	2.55
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD3	5	2.55
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD2	14	2.55
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD3	14	2.55
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD2	14	2.55
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD3	14	2.55
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB2	6	2.55
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB3	6	2.55
(1,1178)	1:407:A:LEU:HA	1:408:A:PHE:H	5	2.55
(1,1135)	1:400:A:GLU:HA	1:401:A:GLY:H	13	2.55
(1,1113)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	7	2.55
(1,1113)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	7	2.55
(1,1113)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	13	2.55
(1,1113)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	13	2.55
(1,1100)	1:474:A:LYS:HB2	1:475:A:ARG:H	2	2.55
(1,1100)	1:474:A:LYS:HB3	1:475:A:ARG:H	2	2.55
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD1	14	2.55
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD2	14	2.55
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB2	1	2.55
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB3	1	2.55
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB2	4	2.55
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB3	4	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB2	7	2.55
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB3	7	2.55
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG2	19	2.55
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG3	19	2.55
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG2	16	2.55
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG3	16	2.55
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG2	18	2.55
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG3	18	2.55
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	13	2.55
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	13	2.55
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	13	2.55
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	13	2.55
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	13	2.55
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	13	2.55
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD11	9	2.55
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD12	9	2.55
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD13	9	2.55
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD11	16	2.55
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD12	16	2.55
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD13	16	2.55
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD11	17	2.55
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD12	17	2.55
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD13	17	2.55
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD11	8	2.55
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD12	8	2.55
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD13	8	2.55
(1,979)	1:413:A:PRO:HA	1:414:A:GLN:H	20	2.55
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	19	2.55
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	19	2.55
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	19	2.55
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	19	2.55
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	19	2.55
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	19	2.55
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG21	3	2.55
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG22	3	2.55
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG23	3	2.55
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG21	9	2.55
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG22	9	2.55
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG23	9	2.55
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG21	17	2.55
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG22	17	2.55
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG23	17	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	1	2.55
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	1	2.55
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	11	2.55
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	11	2.55
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG12	16	2.55
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG13	16	2.55
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG21	3	2.55
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG22	3	2.55
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG23	3	2.55
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG21	9	2.55
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG22	9	2.55
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG23	9	2.55
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG21	17	2.55
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG22	17	2.55
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG23	17	2.55
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB1	8	2.55
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB2	8	2.55
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB3	8	2.55
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB1	15	2.55
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB2	15	2.55
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB3	15	2.55
(1,809)	1:434:A:ALA:HB1	1:435:A:LYS:H	8	2.55
(1,809)	1:434:A:ALA:HB2	1:435:A:LYS:H	8	2.55
(1,809)	1:434:A:ALA:HB3	1:435:A:LYS:H	8	2.55
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB1	12	2.55
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB2	12	2.55
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB3	12	2.55
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB1	13	2.55
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB2	13	2.55
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB3	13	2.55
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB1	15	2.55
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB2	15	2.55
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB3	15	2.55
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB1	16	2.55
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB2	16	2.55
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB3	16	2.55
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	11	2.55
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	11	2.55
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	11	2.55
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	11	2.55
(1,679)	1:477:A:LYS:HG2	1:478:A:VAL:H	9	2.55
(1,679)	1:477:A:LYS:HG3	1:478:A:VAL:H	9	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE2	11	2.55
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE3	11	2.55
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE2	11	2.55
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE3	11	2.55
(1,554)	1:425:A:PHE:H	1:425:A:PHE:HB2	17	2.55
(1,535)	1:453:A:TYR:HA	1:454:A:ASP:H	1	2.55
(1,535)	1:453:A:TYR:HA	1:454:A:ASP:H	20	2.55
(1,493)	1:413:A:PRO:HB2	1:415:A:GLU:H	8	2.55
(1,493)	1:413:A:PRO:HB3	1:415:A:GLU:H	8	2.55
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD11	10	2.55
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD12	10	2.55
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD13	10	2.55
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD21	10	2.55
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD22	10	2.55
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD23	10	2.55
(1,474)	1:444:A:LEU:HA	1:445:A:SER:H	2	2.55
(1,472)	1:424:A:MET:H	1:424:A:MET:HB2	5	2.55
(1,472)	1:424:A:MET:H	1:424:A:MET:HB3	5	2.55
(1,436)	1:420:A:ASP:H	1:421:A:ILE:H	2	2.55
(1,435)	1:421:A:ILE:H	1:422:A:LEU:H	9	2.55
(1,345)	1:407:A:LEU:HA	1:408:A:PHE:H	5	2.55
(1,330)	1:403:A:GLU:H	1:403:A:GLU:HB2	3	2.55
(1,327)	1:402:A:PRO:HA	1:403:A:GLU:H	13	2.55
(1,318)	1:473:A:MET:H	1:474:A:LYS:H	10	2.55
(1,257)	1:434:A:ALA:HB1	1:435:A:LYS:H	8	2.55
(1,257)	1:434:A:ALA:HB2	1:435:A:LYS:H	8	2.55
(1,257)	1:434:A:ALA:HB3	1:435:A:LYS:H	8	2.55
(1,246)	1:452:A:SER:HA	1:453:A:TYR:H	9	2.55
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG12	3	2.55
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG13	3	2.55
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG12	10	2.55
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG13	10	2.55
(1,201)	1:415:A:GLU:H	1:416:A:PHE:H	3	2.55
(1,201)	1:415:A:GLU:H	1:416:A:PHE:H	20	2.55
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB2	6	2.55
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB3	6	2.55
(1,191)	1:435:A:LYS:HA	1:436:A:VAL:H	11	2.55
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB2	12	2.55
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB3	12	2.55
(1,119)	1:473:A:MET:H	1:474:A:LYS:H	10	2.55
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB2	4	2.55
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB3	4	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB2	16	2.55
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB3	16	2.55
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB2	19	2.55
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB3	19	2.55
(1,88)	1:481:A:LYS:H	1:481:A:LYS:HB3	10	2.55
(1,88)	1:481:A:LYS:H	1:481:A:LYS:HB3	17	2.55
(1,68)	1:413:A:PRO:HA	1:414:A:GLN:H	20	2.55
(1,34)	1:477:A:LYS:HA	1:478:A:VAL:H	8	2.55
(1,34)	1:477:A:LYS:HA	1:478:A:VAL:H	12	2.55
(1,14)	1:431:A:VAL:HA	1:432:A:ILE:H	13	2.55
(1,10)	1:430:A:ASN:HA	1:431:A:VAL:H	7	2.55
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD1	16	2.54
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD2	16	2.54
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB2	2	2.54
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB3	2	2.54
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB2	13	2.54
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB3	13	2.54
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB2	14	2.54
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB3	14	2.54
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	12	2.54
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	12	2.54
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD2	10	2.54
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD3	10	2.54
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD2	20	2.54
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD3	20	2.54
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB2	5	2.54
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB3	5	2.54
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB2	13	2.54
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB3	13	2.54
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD2	10	2.54
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD3	10	2.54
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD2	20	2.54
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD3	20	2.54
(1,1466)	1:414:A:GLN:HB2	1:414:A:GLN:HG3	8	2.54
(1,1462)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	6	2.54
(1,1462)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	6	2.54
(1,1462)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	9	2.54
(1,1462)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	9	2.54
(1,1462)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	19	2.54
(1,1462)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	19	2.54
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB2	14	2.54
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB3	14	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB2	11	2.54
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB3	11	2.54
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD11	8	2.54
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD12	8	2.54
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD13	8	2.54
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD1	19	2.54
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD2	19	2.54
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG11	9	2.54
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG12	9	2.54
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG13	9	2.54
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB2	14	2.54
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB3	14	2.54
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	19	2.54
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	19	2.54
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	19	2.54
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	19	2.54
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG11	9	2.54
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG12	9	2.54
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG13	9	2.54
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	8	2.54
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	8	2.54
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	8	2.54
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	8	2.54
(1,1222)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	6	2.54
(1,1222)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	6	2.54
(1,1222)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	9	2.54
(1,1222)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	9	2.54
(1,1222)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	19	2.54
(1,1222)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	19	2.54
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	10	2.54
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	10	2.54
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	10	2.54
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	10	2.54
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	11	2.54
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	11	2.54
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	11	2.54
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	11	2.54
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	14	2.54
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	14	2.54
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	14	2.54
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	14	2.54
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	19	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	19	2.54
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	19	2.54
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	19	2.54
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	20	2.54
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	20	2.54
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	20	2.54
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	20	2.54
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD2	13	2.54
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD3	13	2.54
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD2	13	2.54
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD3	13	2.54
(1,1178)	1:407:A:LEU:HA	1:408:A:PHE:H	13	2.54
(1,1144)	1:474:A:LYS:HA	1:475:A:ARG:H	17	2.54
(1,1113)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	6	2.54
(1,1113)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	6	2.54
(1,1113)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	9	2.54
(1,1113)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	9	2.54
(1,1113)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	19	2.54
(1,1113)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	19	2.54
(1,1111)	1:423:A:GLN:HA	1:423:A:GLN:HG2	11	2.54
(1,1104)	1:441:A:GLN:HA	1:441:A:GLN:HG2	3	2.54
(1,1100)	1:474:A:LYS:HB2	1:475:A:ARG:H	12	2.54
(1,1100)	1:474:A:LYS:HB3	1:475:A:ARG:H	12	2.54
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD1	19	2.54
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD2	19	2.54
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB2	14	2.54
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB3	14	2.54
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB2	11	2.54
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB3	11	2.54
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG2	18	2.54
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG3	18	2.54
(1,1053)	1:400:A:GLU:H	1:400:A:GLU:HG2	18	2.54
(1,1032)	1:430:A:ASN:HB2	1:454:A:ASP:H	2	2.54
(1,1032)	1:430:A:ASN:HB3	1:454:A:ASP:H	2	2.54
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD11	8	2.54
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD12	8	2.54
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD13	8	2.54
(1,979)	1:413:A:PRO:HA	1:414:A:GLN:H	9	2.54
(1,940)	1:486:A:ASP:H	1:486:A:ASP:HB2	8	2.54
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	8	2.54
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	8	2.54
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB1	8	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB2	8	2.54
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB3	8	2.54
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	10	2.54
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	10	2.54
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	10	2.54
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	10	2.54
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	15	2.54
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	15	2.54
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	15	2.54
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	15	2.54
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB1	19	2.54
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB2	19	2.54
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB3	19	2.54
(1,809)	1:434:A:ALA:HB1	1:435:A:LYS:H	7	2.54
(1,809)	1:434:A:ALA:HB2	1:435:A:LYS:H	7	2.54
(1,809)	1:434:A:ALA:HB3	1:435:A:LYS:H	7	2.54
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB1	1	2.54
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB2	1	2.54
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB3	1	2.54
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB1	9	2.54
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB2	9	2.54
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB3	9	2.54
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB1	10	2.54
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB2	10	2.54
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB3	10	2.54
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG21	3	2.54
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG22	3	2.54
(1,751)	1:436:A:VAL:H	1:436:A:VAL:HG23	3	2.54
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	8	2.54
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	8	2.54
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	8	2.54
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	8	2.54
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	19	2.54
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	19	2.54
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	19	2.54
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	19	2.54
(1,663)	1:412:A:LEU:H	1:412:A:LEU:HG	9	2.54
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD11	11	2.54
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD12	11	2.54
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD13	11	2.54
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD21	11	2.54
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD22	11	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:407:A:LEU:HB2	1:407:A:LEU:HD23	11	2.54
(1,599)	1:428:A:PHE:H	1:429:A:GLY:H	18	2.54
(1,565)	1:410:A:TYR:HB2	1:411:A:HIS:H	8	2.54
(1,543)	1:454:A:ASP:H	1:454:A:ASP:HB2	2	2.54
(1,535)	1:453:A:TYR:HA	1:454:A:ASP:H	9	2.54
(1,532)	1:416:A:PHE:HA	1:417:A:GLY:H	19	2.54
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD11	19	2.54
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD12	19	2.54
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD13	19	2.54
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD21	19	2.54
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD22	19	2.54
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD23	19	2.54
(1,474)	1:444:A:LEU:HA	1:445:A:SER:H	5	2.54
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB2	8	2.54
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB3	8	2.54
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB2	11	2.54
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB3	11	2.54
(1,447)	1:419:A:GLN:H	1:419:A:GLN:HB3	11	2.54
(1,382)	1:444:A:LEU:H	1:444:A:LEU:HB3	1	2.54
(1,345)	1:407:A:LEU:HA	1:408:A:PHE:H	13	2.54
(1,331)	1:466:A:MET:H	1:467:A:ASN:H	2	2.54
(1,327)	1:402:A:PRO:HA	1:403:A:GLU:H	20	2.54
(1,312)	1:474:A:LYS:HB3	1:475:A:ARG:H	19	2.54
(1,308)	1:474:A:LYS:HA	1:475:A:ARG:H	17	2.54
(1,276)	1:458:A:SER:H	1:459:A:ALA:H	17	2.54
(1,265)	1:408:A:PHE:HA	1:409:A:ILE:H	4	2.54
(1,262)	1:486:A:ASP:H	1:486:A:ASP:HB2	8	2.54
(1,257)	1:434:A:ALA:HB1	1:435:A:LYS:H	7	2.54
(1,257)	1:434:A:ALA:HB2	1:435:A:LYS:H	7	2.54
(1,257)	1:434:A:ALA:HB3	1:435:A:LYS:H	7	2.54
(1,239)	1:400:A:GLU:H	1:400:A:GLU:HG2	18	2.54
(1,223)	1:417:A:GLY:HA3	1:418:A:ASP:H	17	2.54
(1,201)	1:415:A:GLU:H	1:416:A:PHE:H	9	2.54
(1,191)	1:435:A:LYS:HA	1:436:A:VAL:H	2	2.54
(1,153)	1:406:A:ASN:HA	1:407:A:LEU:H	4	2.54
(1,108)	1:476:A:LEU:HA	1:477:A:LYS:H	17	2.54
(1,77)	1:445:A:SER:HA	1:446:A:LYS:H	13	2.54
(1,68)	1:413:A:PRO:HA	1:414:A:GLN:H	9	2.54
(1,47)	1:439:A:ASP:H	1:439:A:ASP:HB3	10	2.54
(1,45)	1:438:A:ILE:HA	1:439:A:ASP:H	16	2.54
(1,34)	1:477:A:LYS:HA	1:478:A:VAL:H	16	2.54
(1,10)	1:430:A:ASN:HA	1:431:A:VAL:H	18	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1598)	1:453:A:TYR:HE1	1:459:A:ALA:HA	5	2.53
(1,1598)	1:453:A:TYR:HE2	1:459:A:ALA:HA	5	2.53
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD1	8	2.53
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD2	8	2.53
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB2	1	2.53
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB3	1	2.53
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB2	5	2.53
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB3	5	2.53
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB2	6	2.53
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB3	6	2.53
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB2	6	2.53
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB3	6	2.53
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB2	8	2.53
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB3	8	2.53
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB2	13	2.53
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB3	13	2.53
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	16	2.53
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	16	2.53
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	18	2.53
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	18	2.53
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB2	18	2.53
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB3	18	2.53
(1,1500)	1:463:A:ILE:HG21	1:479:A:GLN:HA	20	2.53
(1,1500)	1:463:A:ILE:HG22	1:479:A:GLN:HA	20	2.53
(1,1500)	1:463:A:ILE:HG23	1:479:A:GLN:HA	20	2.53
(1,1474)	1:398:A:GLN:HB2	1:398:A:GLN:HG2	3	2.53
(1,1474)	1:398:A:GLN:HB3	1:398:A:GLN:HG2	3	2.53
(1,1466)	1:414:A:GLN:HB2	1:414:A:GLN:HG3	9	2.53
(1,1466)	1:414:A:GLN:HB2	1:414:A:GLN:HG3	12	2.53
(1,1465)	1:423:A:GLN:HB2	1:423:A:GLN:HG2	5	2.53
(1,1465)	1:423:A:GLN:HB3	1:423:A:GLN:HG2	5	2.53
(1,1462)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	16	2.53
(1,1462)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	16	2.53
(1,1455)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	12	2.53
(1,1455)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	16	2.53
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG2	9	2.53
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG3	9	2.53
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB2	5	2.53
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB3	5	2.53
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB2	6	2.53
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB3	6	2.53
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB2	11	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB3	11	2.53
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB2	12	2.53
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB3	12	2.53
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB2	15	2.53
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB3	15	2.53
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB2	1	2.53
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB3	1	2.53
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD11	7	2.53
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD12	7	2.53
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD13	7	2.53
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG11	15	2.53
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG12	15	2.53
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG13	15	2.53
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB2	5	2.53
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB3	5	2.53
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB2	6	2.53
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB3	6	2.53
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB2	11	2.53
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB3	11	2.53
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB2	12	2.53
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB3	12	2.53
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB2	15	2.53
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB3	15	2.53
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	10	2.53
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	10	2.53
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	10	2.53
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	10	2.53
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	10	2.53
(1,1375)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	10	2.53
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	4	2.53
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	4	2.53
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG11	15	2.53
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG12	15	2.53
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG13	15	2.53
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD11	18	2.53
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD12	18	2.53
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD13	18	2.53
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD21	18	2.53
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD22	18	2.53
(1,1284)	1:444:A:LEU:HB2	1:444:A:LEU:HD23	18	2.53
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	17	2.53
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	17	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	17	2.53
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	17	2.53
(1,1250)	1:480:A:LEU:HB2	1:480:A:LEU:HG	12	2.53
(1,1250)	1:480:A:LEU:HB3	1:480:A:LEU:HG	12	2.53
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD11	19	2.53
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD12	19	2.53
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD13	19	2.53
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD21	19	2.53
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD22	19	2.53
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD23	19	2.53
(1,1222)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	16	2.53
(1,1222)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	16	2.53
(1,1197)	1:441:A:GLN:HB2	1:442:A:THR:H	8	2.53
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	15	2.53
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	15	2.53
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	15	2.53
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	15	2.53
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	15	2.53
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	15	2.53
(1,1180)	1:463:A:ILE:HG21	1:479:A:GLN:HA	20	2.53
(1,1180)	1:463:A:ILE:HG22	1:479:A:GLN:HA	20	2.53
(1,1180)	1:463:A:ILE:HG23	1:479:A:GLN:HA	20	2.53
(1,1163)	1:453:A:TYR:HE1	1:459:A:ALA:HA	5	2.53
(1,1163)	1:453:A:TYR:HE2	1:459:A:ALA:HA	5	2.53
(1,1162)	1:453:A:TYR:HD1	1:459:A:ALA:HA	12	2.53
(1,1162)	1:453:A:TYR:HD2	1:459:A:ALA:HA	12	2.53
(1,1144)	1:474:A:LYS:HA	1:475:A:ARG:H	7	2.53
(1,1113)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	16	2.53
(1,1113)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	16	2.53
(1,1102)	1:441:A:GLN:HB2	1:441:A:GLN:HG3	2	2.53
(1,1100)	1:474:A:LYS:HB2	1:475:A:ARG:H	3	2.53
(1,1100)	1:474:A:LYS:HB3	1:475:A:ARG:H	3	2.53
(1,1100)	1:474:A:LYS:HB2	1:475:A:ARG:H	14	2.53
(1,1100)	1:474:A:LYS:HB3	1:475:A:ARG:H	14	2.53
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB2	5	2.53
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB3	5	2.53
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB2	6	2.53
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB3	6	2.53
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB2	11	2.53
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB3	11	2.53
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB2	12	2.53
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB3	12	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB2	15	2.53
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB3	15	2.53
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB2	1	2.53
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB3	1	2.53
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG2	4	2.53
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG3	4	2.53
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD11	7	2.53
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD12	7	2.53
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD13	7	2.53
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD11	3	2.53
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD12	3	2.53
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD13	3	2.53
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD11	8	2.53
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD12	8	2.53
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD13	8	2.53
(1,979)	1:413:A:PRO:HA	1:414:A:GLN:H	1	2.53
(1,979)	1:413:A:PRO:HA	1:414:A:GLN:H	4	2.53
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	7	2.53
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	7	2.53
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	7	2.53
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	7	2.53
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	7	2.53
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	7	2.53
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	10	2.53
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	10	2.53
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	10	2.53
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	10	2.53
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	10	2.53
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	10	2.53
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	18	2.53
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	18	2.53
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	18	2.53
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	18	2.53
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	18	2.53
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	18	2.53
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	7	2.53
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	7	2.53
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	7	2.53
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	7	2.53
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	7	2.53
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	7	2.53
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	12	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	12	2.53
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	12	2.53
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	12	2.53
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	12	2.53
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	12	2.53
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	15	2.53
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	15	2.53
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	15	2.53
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	15	2.53
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	15	2.53
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	15	2.53
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG21	19	2.53
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG22	19	2.53
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG23	19	2.53
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB1	20	2.53
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB2	20	2.53
(1,947)	1:461:A:ALA:H	1:461:A:ALA:HB3	20	2.53
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB1	5	2.53
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB2	5	2.53
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB3	5	2.53
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB1	20	2.53
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB2	20	2.53
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB3	20	2.53
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB1	18	2.53
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB2	18	2.53
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB3	18	2.53
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD11	10	2.53
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD12	10	2.53
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD13	10	2.53
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD21	10	2.53
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD22	10	2.53
(1,919)	1:422:A:LEU:HB2	1:422:A:LEU:HD23	10	2.53
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB1	10	2.53
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB2	10	2.53
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB3	10	2.53
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB1	20	2.53
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB2	20	2.53
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB3	20	2.53
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	2	2.53
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	2	2.53
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	2	2.53
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	2	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	19	2.53
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	19	2.53
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	19	2.53
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	19	2.53
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	4	2.53
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	4	2.53
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG21	19	2.53
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG22	19	2.53
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG23	19	2.53
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD2	9	2.53
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD3	9	2.53
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	14	2.53
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	14	2.53
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	14	2.53
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	14	2.53
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	14	2.53
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	14	2.53
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	14	2.53
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	14	2.53
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	14	2.53
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	14	2.53
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	14	2.53
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	14	2.53
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	14	2.53
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	14	2.53
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	14	2.53
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	14	2.53
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	14	2.53
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	14	2.53
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB1	2	2.53
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB2	2	2.53
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB3	2	2.53
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB1	11	2.53
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB2	11	2.53
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB3	11	2.53
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB1	14	2.53
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB2	14	2.53
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB3	14	2.53
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB1	20	2.53
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB2	20	2.53
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB3	20	2.53
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG11	20	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG12	20	2.53
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG13	20	2.53
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	17	2.53
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	17	2.53
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	17	2.53
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	17	2.53
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG2	4	2.53
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG3	4	2.53
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE2	5	2.53
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE3	5	2.53
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE2	5	2.53
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE3	5	2.53
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE2	6	2.53
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE3	6	2.53
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE2	6	2.53
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE3	6	2.53
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE2	8	2.53
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE3	8	2.53
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE2	8	2.53
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE3	8	2.53
(1,661)	1:480:A:LEU:HB2	1:480:A:LEU:HG	12	2.53
(1,661)	1:480:A:LEU:HB3	1:480:A:LEU:HG	12	2.53
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	14	2.53
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	14	2.53
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	14	2.53
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	14	2.53
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	14	2.53
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	14	2.53
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	14	2.53
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	14	2.53
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	14	2.53
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	14	2.53
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	14	2.53
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	14	2.53
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	14	2.53
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	14	2.53
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	14	2.53
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	14	2.53
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	14	2.53
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	14	2.53
(1,589)	1:448:A:PHE:HA	1:449:A:GLY:H	11	2.53
(1,585)	1:428:A:PHE:H	1:428:A:PHE:HB2	16	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:410:A:TYR:HA	1:411:A:HIS:H	6	2.53
(1,508)	1:453:A:TYR:HD1	1:455:A:ASN:H	19	2.53
(1,508)	1:453:A:TYR:HD2	1:455:A:ASN:H	19	2.53
(1,493)	1:413:A:PRO:HB2	1:415:A:GLU:H	7	2.53
(1,493)	1:413:A:PRO:HB3	1:415:A:GLU:H	7	2.53
(1,474)	1:444:A:LEU:HA	1:445:A:SER:H	8	2.53
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB2	15	2.53
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB3	15	2.53
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB2	3	2.53
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB3	3	2.53
(1,444)	1:419:A:GLN:H	1:420:A:ASP:H	8	2.53
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB2	12	2.53
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB3	12	2.53
(1,426)	1:442:A:THR:H	1:443:A:ASN:H	15	2.53
(1,378)	1:443:A:ASN:HA	1:444:A:LEU:H	17	2.53
(1,364)	1:467:A:ASN:HA	1:468:A:GLY:H	9	2.53
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD1	8	2.53
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD2	8	2.53
(1,327)	1:402:A:PRO:HA	1:403:A:GLU:H	1	2.53
(1,326)	1:402:A:PRO:HB2	1:403:A:GLU:H	3	2.53
(1,326)	1:402:A:PRO:HB3	1:403:A:GLU:H	3	2.53
(1,308)	1:474:A:LYS:HA	1:475:A:ARG:H	7	2.53
(1,246)	1:452:A:SER:HA	1:453:A:TYR:H	8	2.53
(1,246)	1:452:A:SER:HA	1:453:A:TYR:H	17	2.53
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG12	11	2.53
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG13	11	2.53
(1,191)	1:435:A:LYS:HA	1:436:A:VAL:H	7	2.53
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB1	20	2.53
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB2	20	2.53
(1,190)	1:461:A:ALA:H	1:461:A:ALA:HB3	20	2.53
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD11	3	2.53
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD12	3	2.53
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD13	3	2.53
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD21	3	2.53
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD22	3	2.53
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD23	3	2.53
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB2	15	2.53
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB3	15	2.53
(1,99)	1:407:A:LEU:H	1:451:A:VAL:H	7	2.53
(1,86)	1:480:A:LEU:HA	1:481:A:LYS:H	6	2.53
(1,77)	1:445:A:SER:HA	1:446:A:LYS:H	16	2.53
(1,68)	1:413:A:PRO:HA	1:414:A:GLN:H	1	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,68)	1:413:A:PRO:HA	1:414:A:GLN:H	4	2.53
(1,47)	1:439:A:ASP:H	1:439:A:ASP:HB3	15	2.53
(1,34)	1:477:A:LYS:HA	1:478:A:VAL:H	7	2.53
(1,14)	1:431:A:VAL:HA	1:432:A:ILE:H	4	2.53
(1,14)	1:431:A:VAL:HA	1:432:A:ILE:H	12	2.53
(1,10)	1:430:A:ASN:HA	1:431:A:VAL:H	13	2.53
(1,1589)	1:411:A:HIS:HA	1:411:A:HIS:HD2	5	2.52
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD1	16	2.52
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD2	16	2.52
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB2	7	2.52
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB3	7	2.52
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB2	10	2.52
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB3	10	2.52
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB2	18	2.52
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB3	18	2.52
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	2	2.52
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	2	2.52
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD2	20	2.52
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD3	20	2.52
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB2	16	2.52
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB3	16	2.52
(1,1500)	1:463:A:ILE:HG21	1:479:A:GLN:HA	6	2.52
(1,1500)	1:463:A:ILE:HG22	1:479:A:GLN:HA	6	2.52
(1,1500)	1:463:A:ILE:HG23	1:479:A:GLN:HA	6	2.52
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD2	20	2.52
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD3	20	2.52
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD2	8	2.52
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD3	8	2.52
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD2	8	2.52
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD3	8	2.52
(1,1465)	1:423:A:GLN:HB2	1:423:A:GLN:HG2	4	2.52
(1,1465)	1:423:A:GLN:HB3	1:423:A:GLN:HG2	4	2.52
(1,1465)	1:423:A:GLN:HB2	1:423:A:GLN:HG2	14	2.52
(1,1465)	1:423:A:GLN:HB3	1:423:A:GLN:HG2	14	2.52
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG2	12	2.52
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG3	12	2.52
(1,1455)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	11	2.52
(1,1455)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	18	2.52
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB2	3	2.52
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB3	3	2.52
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB2	13	2.52
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB3	13	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB2	18	2.52
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB3	18	2.52
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB2	19	2.52
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB3	19	2.52
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB2	2	2.52
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB3	2	2.52
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB2	15	2.52
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB3	15	2.52
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB2	20	2.52
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB3	20	2.52
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD11	4	2.52
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD12	4	2.52
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD13	4	2.52
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD11	4	2.52
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD12	4	2.52
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD13	4	2.52
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	2	2.52
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	2	2.52
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	2	2.52
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	2	2.52
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	2	2.52
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	2	2.52
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB2	3	2.52
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB3	3	2.52
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB2	13	2.52
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB3	13	2.52
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB2	18	2.52
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB3	18	2.52
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB2	19	2.52
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB3	19	2.52
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	11	2.52
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	11	2.52
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	11	2.52
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	11	2.52
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	18	2.52
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	18	2.52
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	18	2.52
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	18	2.52
(1,1250)	1:480:A:LEU:HB2	1:480:A:LEU:HG	7	2.52
(1,1250)	1:480:A:LEU:HB3	1:480:A:LEU:HG	7	2.52
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD2	19	2.52
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD3	19	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD2	1	2.52
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD3	1	2.52
(1,1214)	1:415:A:GLU:H	1:415:A:GLU:HB2	6	2.52
(1,1214)	1:415:A:GLU:H	1:415:A:GLU:HB2	18	2.52
(1,1197)	1:441:A:GLN:HB2	1:442:A:THR:H	2	2.52
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	17	2.52
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	17	2.52
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	17	2.52
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	17	2.52
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	17	2.52
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	17	2.52
(1,1180)	1:463:A:ILE:HG21	1:479:A:GLN:HA	6	2.52
(1,1180)	1:463:A:ILE:HG22	1:479:A:GLN:HA	6	2.52
(1,1180)	1:463:A:ILE:HG23	1:479:A:GLN:HA	6	2.52
(1,1178)	1:407:A:LEU:HA	1:408:A:PHE:H	6	2.52
(1,1135)	1:400:A:GLU:HA	1:401:A:GLY:H	8	2.52
(1,1135)	1:400:A:GLU:HA	1:401:A:GLY:H	11	2.52
(1,1111)	1:423:A:GLN:HA	1:423:A:GLN:HG2	4	2.52
(1,1102)	1:441:A:GLN:HB2	1:441:A:GLN:HG3	1	2.52
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD1	11	2.52
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD2	11	2.52
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB2	3	2.52
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB3	3	2.52
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB2	13	2.52
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB3	13	2.52
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB2	18	2.52
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB3	18	2.52
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB2	19	2.52
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB3	19	2.52
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB2	2	2.52
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB3	2	2.52
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB2	15	2.52
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB3	15	2.52
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB2	20	2.52
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB3	20	2.52
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG2	15	2.52
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG3	15	2.52
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG2	16	2.52
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG3	16	2.52
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG2	12	2.52
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG3	12	2.52
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	19	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	19	2.52
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	19	2.52
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	19	2.52
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	19	2.52
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	19	2.52
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	19	2.52
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	19	2.52
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	19	2.52
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	2	2.52
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	2	2.52
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	2	2.52
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	2	2.52
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	2	2.52
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	2	2.52
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD11	4	2.52
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD12	4	2.52
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD13	4	2.52
(1,1015)	1:478:A:VAL:HA	1:479:A:GLN:H	8	2.52
(1,1015)	1:478:A:VAL:HA	1:479:A:GLN:H	12	2.52
(1,1015)	1:478:A:VAL:HA	1:479:A:GLN:H	16	2.52
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG21	9	2.52
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG22	9	2.52
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG23	9	2.52
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG21	16	2.52
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG22	16	2.52
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG23	16	2.52
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	10	2.52
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	10	2.52
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	10	2.52
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	10	2.52
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	10	2.52
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	10	2.52
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	17	2.52
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	17	2.52
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	17	2.52
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	17	2.52
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	17	2.52
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	17	2.52
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB1	2	2.52
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB2	2	2.52
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB3	2	2.52
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	1	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	1	2.52
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	1	2.52
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	1	2.52
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	1	2.52
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	1	2.52
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	1	2.52
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	1	2.52
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	1	2.52
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	4	2.52
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	4	2.52
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	4	2.52
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	4	2.52
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	4	2.52
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	4	2.52
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	4	2.52
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	4	2.52
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	4	2.52
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	1	2.52
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	1	2.52
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB2	12	2.52
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB3	12	2.52
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	14	2.52
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	14	2.52
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	14	2.52
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	14	2.52
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	14	2.52
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	14	2.52
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	14	2.52
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	14	2.52
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	14	2.52
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	1	2.52
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	1	2.52
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	1	2.52
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	1	2.52
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	1	2.52
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	1	2.52
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	1	2.52
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	1	2.52
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	1	2.52
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	4	2.52
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	4	2.52
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	4	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	4	2.52
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	4	2.52
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	4	2.52
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	4	2.52
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	4	2.52
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	4	2.52
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB1	3	2.52
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB2	3	2.52
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB3	3	2.52
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	18	2.52
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	18	2.52
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	18	2.52
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	18	2.52
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	11	2.52
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	11	2.52
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	11	2.52
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	11	2.52
(1,661)	1:480:A:LEU:HB2	1:480:A:LEU:HG	7	2.52
(1,661)	1:480:A:LEU:HB3	1:480:A:LEU:HG	7	2.52
(1,562)	1:410:A:TYR:HA	1:411:A:HIS:H	2	2.52
(1,562)	1:410:A:TYR:HA	1:411:A:HIS:H	14	2.52
(1,535)	1:453:A:TYR:HA	1:454:A:ASP:H	4	2.52
(1,535)	1:453:A:TYR:HA	1:454:A:ASP:H	14	2.52
(1,519)	1:432:A:ILE:H	1:433:A:SER:H	18	2.52
(1,502)	1:411:A:HIS:H	1:412:A:LEU:H	11	2.52
(1,493)	1:413:A:PRO:HB2	1:415:A:GLU:H	9	2.52
(1,493)	1:413:A:PRO:HB3	1:415:A:GLU:H	9	2.52
(1,462)	1:423:A:GLN:H	1:424:A:MET:H	9	2.52
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB2	1	2.52
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB3	1	2.52
(1,435)	1:421:A:ILE:H	1:422:A:LEU:H	20	2.52
(1,372)	1:458:A:SER:H	1:458:A:SER:HB2	19	2.52
(1,355)	1:462:A:ALA:H	1:463:A:ILE:H	8	2.52
(1,345)	1:407:A:LEU:HA	1:408:A:PHE:H	6	2.52
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD1	16	2.52
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD2	16	2.52
(1,326)	1:402:A:PRO:HB2	1:403:A:GLU:H	4	2.52
(1,326)	1:402:A:PRO:HB3	1:403:A:GLU:H	4	2.52
(1,318)	1:473:A:MET:H	1:474:A:LYS:H	19	2.52
(1,312)	1:474:A:LYS:HB3	1:475:A:ARG:H	2	2.52
(1,310)	1:475:A:ARG:H	1:475:A:ARG:HD2	1	2.52
(1,268)	1:457:A:VAL:H	1:458:A:SER:H	1	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG21	9	2.52
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG22	9	2.52
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG23	9	2.52
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG21	16	2.52
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG22	16	2.52
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG23	16	2.52
(1,211)	1:462:A:ALA:H	1:463:A:ILE:H	8	2.52
(1,191)	1:435:A:LYS:HA	1:436:A:VAL:H	10	2.52
(1,120)	1:473:A:MET:H	1:473:A:MET:HG3	11	2.52
(1,119)	1:473:A:MET:H	1:474:A:LYS:H	19	2.52
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB2	8	2.52
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB3	8	2.52
(1,102)	1:478:A:VAL:HA	1:479:A:GLN:H	8	2.52
(1,102)	1:478:A:VAL:HA	1:479:A:GLN:H	12	2.52
(1,102)	1:478:A:VAL:HA	1:479:A:GLN:H	16	2.52
(1,45)	1:438:A:ILE:HA	1:439:A:ASP:H	2	2.52
(1,45)	1:438:A:ILE:HA	1:439:A:ASP:H	18	2.52
(1,34)	1:477:A:LYS:HA	1:478:A:VAL:H	2	2.52
(1,14)	1:431:A:VAL:HA	1:432:A:ILE:H	2	2.52
(1,14)	1:431:A:VAL:HA	1:432:A:ILE:H	5	2.52
(1,14)	1:431:A:VAL:HA	1:432:A:ILE:H	6	2.52
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD1	17	2.51
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD2	17	2.51
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD1	6	2.51
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD2	6	2.51
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB2	9	2.51
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB3	9	2.51
(1,1503)	1:485:A:ASN:HA	1:485:A:ASN:HB2	15	2.51
(1,1496)	1:486:A:ASP:HA	1:486:A:ASP:HB3	9	2.51
(1,1474)	1:398:A:GLN:HB2	1:398:A:GLN:HG2	11	2.51
(1,1474)	1:398:A:GLN:HB3	1:398:A:GLN:HG2	11	2.51
(1,1466)	1:414:A:GLN:HB2	1:414:A:GLN:HG3	1	2.51
(1,1466)	1:414:A:GLN:HB2	1:414:A:GLN:HG3	2	2.51
(1,1466)	1:414:A:GLN:HB2	1:414:A:GLN:HG3	3	2.51
(1,1466)	1:414:A:GLN:HB2	1:414:A:GLN:HG3	4	2.51
(1,1466)	1:414:A:GLN:HB2	1:414:A:GLN:HG3	7	2.51
(1,1465)	1:423:A:GLN:HB2	1:423:A:GLN:HG2	11	2.51
(1,1465)	1:423:A:GLN:HB3	1:423:A:GLN:HG2	11	2.51
(1,1462)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	3	2.51
(1,1462)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	3	2.51
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG2	15	2.51
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG3	15	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1454)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	15	2.51
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG2	14	2.51
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG3	14	2.51
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG2	4	2.51
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG3	4	2.51
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG2	5	2.51
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG3	5	2.51
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB2	17	2.51
(1,1447)	1:483:A:SER:HA	1:483:A:SER:HB3	17	2.51
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB2	8	2.51
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB3	8	2.51
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB2	17	2.51
(1,1388)	1:483:A:SER:HA	1:483:A:SER:HB3	17	2.51
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	20	2.51
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	20	2.51
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	20	2.51
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	20	2.51
(1,1359)	1:475:A:ARG:HB2	1:475:A:ARG:HD2	10	2.51
(1,1359)	1:475:A:ARG:HB3	1:475:A:ARG:HD2	10	2.51
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	9	2.51
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	9	2.51
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	10	2.51
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	10	2.51
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	10	2.51
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	10	2.51
(1,1250)	1:480:A:LEU:HB2	1:480:A:LEU:HG	8	2.51
(1,1250)	1:480:A:LEU:HB3	1:480:A:LEU:HG	8	2.51
(1,1250)	1:480:A:LEU:HB2	1:480:A:LEU:HG	16	2.51
(1,1250)	1:480:A:LEU:HB3	1:480:A:LEU:HG	16	2.51
(1,1222)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	3	2.51
(1,1222)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	3	2.51
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD2	13	2.51
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD3	13	2.51
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB2	16	2.51
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB3	16	2.51
(1,1197)	1:441:A:GLN:HB2	1:442:A:THR:H	20	2.51
(1,1178)	1:407:A:LEU:HA	1:408:A:PHE:H	1	2.51
(1,1178)	1:407:A:LEU:HA	1:408:A:PHE:H	10	2.51
(1,1170)	1:486:A:ASP:HA	1:486:A:ASP:HB3	9	2.51
(1,1144)	1:474:A:LYS:HA	1:475:A:ARG:H	1	2.51
(1,1135)	1:400:A:GLU:HA	1:401:A:GLY:H	7	2.51
(1,1135)	1:400:A:GLU:HA	1:401:A:GLY:H	18	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1113)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	3	2.51
(1,1113)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	3	2.51
(1,1102)	1:441:A:GLN:HB2	1:441:A:GLN:HG3	9	2.51
(1,1102)	1:441:A:GLN:HB2	1:441:A:GLN:HG3	20	2.51
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB2	17	2.51
(1,1091)	1:483:A:SER:HA	1:483:A:SER:HB3	17	2.51
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB2	8	2.51
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB3	8	2.51
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG2	20	2.51
(1,1063)	1:415:A:GLU:HB3	1:415:A:GLU:HG3	20	2.51
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG2	15	2.51
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG3	15	2.51
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	9	2.51
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	9	2.51
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	9	2.51
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	9	2.51
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	9	2.51
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	9	2.51
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	9	2.51
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	9	2.51
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	9	2.51
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD11	19	2.51
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD12	19	2.51
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD13	19	2.51
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG21	20	2.51
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG22	20	2.51
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG23	20	2.51
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB1	1	2.51
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB2	1	2.51
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB3	1	2.51
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB1	11	2.51
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB2	11	2.51
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB3	11	2.51
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB1	19	2.51
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB2	19	2.51
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB3	19	2.51
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	9	2.51
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	9	2.51
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG21	20	2.51
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG22	20	2.51
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG23	20	2.51
(1,830)	1:450:A:PHE:HB2	1:451:A:VAL:H	18	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	9	2.51
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	9	2.51
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	9	2.51
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	9	2.51
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	9	2.51
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	9	2.51
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	9	2.51
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	9	2.51
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	9	2.51
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB1	19	2.51
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB2	19	2.51
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB3	19	2.51
(1,788)	1:478:A:VAL:HG11	1:479:A:GLN:H	13	2.51
(1,788)	1:478:A:VAL:HG12	1:479:A:GLN:H	13	2.51
(1,788)	1:478:A:VAL:HG13	1:479:A:GLN:H	13	2.51
(1,775)	1:451:A:VAL:HG21	1:452:A:SER:H	5	2.51
(1,775)	1:451:A:VAL:HG22	1:452:A:SER:H	5	2.51
(1,775)	1:451:A:VAL:HG23	1:452:A:SER:H	5	2.51
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	10	2.51
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	10	2.51
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	10	2.51
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	10	2.51
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	20	2.51
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	20	2.51
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	20	2.51
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	20	2.51
(1,661)	1:480:A:LEU:HB2	1:480:A:LEU:HG	8	2.51
(1,661)	1:480:A:LEU:HB3	1:480:A:LEU:HG	8	2.51
(1,661)	1:480:A:LEU:HB2	1:480:A:LEU:HG	16	2.51
(1,661)	1:480:A:LEU:HB3	1:480:A:LEU:HG	16	2.51
(1,574)	1:466:A:MET:H	1:466:A:MET:HB2	16	2.51
(1,574)	1:466:A:MET:H	1:466:A:MET:HB3	16	2.51
(1,535)	1:453:A:TYR:HA	1:454:A:ASP:H	11	2.51
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB2	9	2.51
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB3	9	2.51
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB2	17	2.51
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB3	17	2.51
(1,462)	1:423:A:GLN:H	1:424:A:MET:H	6	2.51
(1,444)	1:419:A:GLN:H	1:420:A:ASP:H	2	2.51
(1,435)	1:421:A:ILE:H	1:422:A:LEU:H	6	2.51
(1,382)	1:444:A:LEU:H	1:444:A:LEU:HB3	6	2.51
(1,378)	1:443:A:ASN:HA	1:444:A:LEU:H	2	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,345)	1:407:A:LEU:HA	1:408:A:PHE:H	1	2.51
(1,345)	1:407:A:LEU:HA	1:408:A:PHE:H	10	2.51
(1,330)	1:403:A:GLU:H	1:403:A:GLU:HB2	4	2.51
(1,327)	1:402:A:PRO:HA	1:403:A:GLU:H	15	2.51
(1,327)	1:402:A:PRO:HA	1:403:A:GLU:H	17	2.51
(1,326)	1:402:A:PRO:HB2	1:403:A:GLU:H	2	2.51
(1,326)	1:402:A:PRO:HB3	1:403:A:GLU:H	2	2.51
(1,325)	1:451:A:VAL:HG21	1:452:A:SER:H	5	2.51
(1,325)	1:451:A:VAL:HG22	1:452:A:SER:H	5	2.51
(1,325)	1:451:A:VAL:HG23	1:452:A:SER:H	5	2.51
(1,322)	1:451:A:VAL:HA	1:452:A:SER:H	2	2.51
(1,322)	1:451:A:VAL:HA	1:452:A:SER:H	10	2.51
(1,308)	1:474:A:LYS:HA	1:475:A:ARG:H	1	2.51
(1,265)	1:408:A:PHE:HA	1:409:A:ILE:H	17	2.51
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB2	16	2.51
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB3	16	2.51
(1,191)	1:435:A:LYS:HA	1:436:A:VAL:H	8	2.51
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD11	9	2.51
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD12	9	2.51
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD13	9	2.51
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD21	9	2.51
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD22	9	2.51
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD23	9	2.51
(1,153)	1:406:A:ASN:HA	1:407:A:LEU:H	14	2.51
(1,132)	1:434:A:ALA:HB1	1:451:A:VAL:H	3	2.51
(1,132)	1:434:A:ALA:HB2	1:451:A:VAL:H	3	2.51
(1,132)	1:434:A:ALA:HB3	1:451:A:VAL:H	3	2.51
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB2	2	2.51
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB3	2	2.51
(1,108)	1:476:A:LEU:HA	1:477:A:LYS:H	2	2.51
(1,108)	1:476:A:LEU:HA	1:477:A:LYS:H	20	2.51
(1,45)	1:438:A:ILE:HA	1:439:A:ASP:H	4	2.51
(1,34)	1:477:A:LYS:HA	1:478:A:VAL:H	5	2.51
(1,34)	1:477:A:LYS:HA	1:478:A:VAL:H	10	2.51
(1,27)	1:426:A:MET:H	1:426:A:MET:HB2	18	2.51
(1,27)	1:426:A:MET:H	1:426:A:MET:HB3	18	2.51
(1,14)	1:431:A:VAL:HA	1:432:A:ILE:H	19	2.51
(1,10)	1:430:A:ASN:HA	1:431:A:VAL:H	16	2.51
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD1	12	2.5
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD2	12	2.5
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB2	16	2.5
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB3	16	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB2	7	2.5
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB3	7	2.5
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	15	2.5
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	15	2.5
(1,1503)	1:485:A:ASN:HA	1:485:A:ASN:HB2	5	2.5
(1,1500)	1:463:A:ILE:HG21	1:479:A:GLN:HA	4	2.5
(1,1500)	1:463:A:ILE:HG22	1:479:A:GLN:HA	4	2.5
(1,1500)	1:463:A:ILE:HG23	1:479:A:GLN:HA	4	2.5
(1,1466)	1:414:A:GLN:HB2	1:414:A:GLN:HG3	5	2.5
(1,1466)	1:414:A:GLN:HB2	1:414:A:GLN:HG3	10	2.5
(1,1466)	1:414:A:GLN:HB2	1:414:A:GLN:HG3	15	2.5
(1,1455)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	13	2.5
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG2	17	2.5
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG3	17	2.5
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG2	14	2.5
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG3	14	2.5
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG2	18	2.5
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG3	18	2.5
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB2	9	2.5
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB3	9	2.5
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD11	6	2.5
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD12	6	2.5
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD13	6	2.5
(1,1359)	1:475:A:ARG:HB2	1:475:A:ARG:HD2	12	2.5
(1,1359)	1:475:A:ARG:HB3	1:475:A:ARG:HD2	12	2.5
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG11	18	2.5
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG12	18	2.5
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG13	18	2.5
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG11	18	2.5
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG12	18	2.5
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG13	18	2.5
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD11	9	2.5
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD12	9	2.5
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD13	9	2.5
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD21	9	2.5
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD22	9	2.5
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD23	9	2.5
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB1	16	2.5
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB2	16	2.5
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB3	16	2.5
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB1	16	2.5
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB2	16	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB3	16	2.5
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB1	16	2.5
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB2	16	2.5
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB3	16	2.5
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB1	16	2.5
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB2	16	2.5
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB3	16	2.5
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB1	16	2.5
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB2	16	2.5
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB3	16	2.5
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB1	16	2.5
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB2	16	2.5
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB3	16	2.5
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD2	7	2.5
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD3	7	2.5
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD2	7	2.5
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD3	7	2.5
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB2	10	2.5
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB3	10	2.5
(1,1198)	1:441:A:GLN:HB2	1:441:A:GLN:HG2	15	2.5
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	3	2.5
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	3	2.5
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	3	2.5
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	3	2.5
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	3	2.5
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	3	2.5
(1,1180)	1:463:A:ILE:HG21	1:479:A:GLN:HA	4	2.5
(1,1180)	1:463:A:ILE:HG22	1:479:A:GLN:HA	4	2.5
(1,1180)	1:463:A:ILE:HG23	1:479:A:GLN:HA	4	2.5
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD11	9	2.5
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD12	9	2.5
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD13	9	2.5
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD21	9	2.5
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD22	9	2.5
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD23	9	2.5
(1,1144)	1:474:A:LYS:HA	1:475:A:ARG:H	13	2.5
(1,1135)	1:400:A:GLU:HA	1:401:A:GLY:H	20	2.5
(1,1100)	1:474:A:LYS:HB2	1:475:A:ARG:H	20	2.5
(1,1100)	1:474:A:LYS:HB3	1:475:A:ARG:H	20	2.5
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB2	9	2.5
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB3	9	2.5
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	4	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	4	2.5
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	4	2.5
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	4	2.5
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	4	2.5
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	4	2.5
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	4	2.5
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	4	2.5
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	4	2.5
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	16	2.5
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	16	2.5
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	16	2.5
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	16	2.5
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	16	2.5
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	16	2.5
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	5	2.5
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	5	2.5
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	5	2.5
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	5	2.5
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	5	2.5
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	5	2.5
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	3	2.5
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	3	2.5
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	3	2.5
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	3	2.5
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	3	2.5
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	3	2.5
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	17	2.5
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	17	2.5
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB2	14	2.5
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB3	14	2.5
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD11	11	2.5
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD12	11	2.5
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD13	11	2.5
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD21	11	2.5
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD22	11	2.5
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD23	11	2.5
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE2	14	2.5
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE3	14	2.5
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE2	14	2.5
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE3	14	2.5
(1,574)	1:466:A:MET:H	1:466:A:MET:HB2	10	2.5
(1,574)	1:466:A:MET:H	1:466:A:MET:HB3	10	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:466:A:MET:H	1:466:A:MET:HB2	14	2.5
(1,574)	1:466:A:MET:H	1:466:A:MET:HB3	14	2.5
(1,562)	1:410:A:TYR:HA	1:411:A:HIS:H	12	2.5
(1,554)	1:425:A:PHE:H	1:425:A:PHE:HB2	8	2.5
(1,535)	1:453:A:TYR:HA	1:454:A:ASP:H	6	2.5
(1,535)	1:453:A:TYR:HA	1:454:A:ASP:H	8	2.5
(1,535)	1:453:A:TYR:HA	1:454:A:ASP:H	16	2.5
(1,519)	1:432:A:ILE:H	1:433:A:SER:H	17	2.5
(1,474)	1:444:A:LEU:HA	1:445:A:SER:H	10	2.5
(1,474)	1:444:A:LEU:HA	1:445:A:SER:H	15	2.5
(1,447)	1:419:A:GLN:H	1:419:A:GLN:HB3	17	2.5
(1,447)	1:419:A:GLN:H	1:419:A:GLN:HB3	20	2.5
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB2	10	2.5
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB3	10	2.5
(1,413)	1:441:A:GLN:H	1:442:A:THR:H	6	2.5
(1,378)	1:443:A:ASN:HA	1:444:A:LEU:H	5	2.5
(1,378)	1:443:A:ASN:HA	1:444:A:LEU:H	12	2.5
(1,378)	1:443:A:ASN:HA	1:444:A:LEU:H	19	2.5
(1,364)	1:467:A:ASN:HA	1:468:A:GLY:H	15	2.5
(1,360)	1:463:A:ILE:H	1:463:A:ILE:HB	14	2.5
(1,312)	1:474:A:LYS:HB3	1:475:A:ARG:H	12	2.5
(1,308)	1:474:A:LYS:HA	1:475:A:ARG:H	13	2.5
(1,268)	1:457:A:VAL:H	1:458:A:SER:H	18	2.5
(1,268)	1:457:A:VAL:H	1:458:A:SER:H	19	2.5
(1,254)	1:434:A:ALA:HA	1:435:A:LYS:H	19	2.5
(1,201)	1:415:A:GLU:H	1:416:A:PHE:H	17	2.5
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB2	10	2.5
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB3	10	2.5
(1,153)	1:406:A:ASN:HA	1:407:A:LEU:H	18	2.5
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD11	5	2.5
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD12	5	2.5
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD13	5	2.5
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD21	5	2.5
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD22	5	2.5
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD23	5	2.5
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD11	10	2.5
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD12	10	2.5
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD13	10	2.5
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD21	10	2.5
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD22	10	2.5
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD23	10	2.5
(1,129)	1:469:A:PHE:H	1:469:A:PHE:HB3	9	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,129)	1:469:A:PHE:H	1:469:A:PHE:HB3	12	2.5
(1,108)	1:476:A:LEU:HA	1:477:A:LYS:H	15	2.5
(1,88)	1:481:A:LYS:H	1:481:A:LYS:HB3	20	2.5
(1,86)	1:480:A:LEU:HA	1:481:A:LYS:H	17	2.5
(1,75)	1:446:A:LYS:H	1:447:A:CYS:H	4	2.5
(1,34)	1:477:A:LYS:HA	1:478:A:VAL:H	6	2.5
(1,10)	1:430:A:ASN:HA	1:431:A:VAL:H	20	2.5
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG21	15	2.5
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG22	15	2.5
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG23	15	2.5
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD1	12	2.49
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD2	12	2.49
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB2	4	2.49
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB3	4	2.49
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB2	10	2.49
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB3	10	2.49
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB2	12	2.49
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB3	12	2.49
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	10	2.49
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	10	2.49
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	11	2.49
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	11	2.49
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	19	2.49
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	19	2.49
(1,1496)	1:486:A:ASP:HA	1:486:A:ASP:HB3	10	2.49
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD2	3	2.49
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD3	3	2.49
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD2	3	2.49
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD3	3	2.49
(1,1466)	1:414:A:GLN:HB2	1:414:A:GLN:HG3	19	2.49
(1,1465)	1:423:A:GLN:HB2	1:423:A:GLN:HG2	17	2.49
(1,1465)	1:423:A:GLN:HB3	1:423:A:GLN:HG2	17	2.49
(1,1462)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	1	2.49
(1,1462)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	1	2.49
(1,1462)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	10	2.49
(1,1462)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	10	2.49
(1,1462)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	12	2.49
(1,1462)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	12	2.49
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG21	9	2.49
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG22	9	2.49
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG23	9	2.49
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	13	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	13	2.49
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	13	2.49
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	13	2.49
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	13	2.49
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	13	2.49
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	13	2.49
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	13	2.49
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	13	2.49
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	13	2.49
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	13	2.49
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	13	2.49
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	13	2.49
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	13	2.49
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	13	2.49
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	13	2.49
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	13	2.49
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	13	2.49
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	9	2.49
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	9	2.49
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	9	2.49
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	9	2.49
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD11	17	2.49
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD12	17	2.49
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD13	17	2.49
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD21	17	2.49
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD22	17	2.49
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD23	17	2.49
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	12	2.49
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	12	2.49
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	12	2.49
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	12	2.49
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	15	2.49
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	15	2.49
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	15	2.49
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	15	2.49
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	9	2.49
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	9	2.49
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	9	2.49
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	9	2.49
(1,1250)	1:480:A:LEU:HB2	1:480:A:LEU:HG	3	2.49
(1,1250)	1:480:A:LEU:HB3	1:480:A:LEU:HG	3	2.49
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	13	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	13	2.49
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	13	2.49
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	13	2.49
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	13	2.49
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	13	2.49
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	13	2.49
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	13	2.49
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	13	2.49
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	13	2.49
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	13	2.49
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	13	2.49
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	13	2.49
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	13	2.49
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	13	2.49
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	13	2.49
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	13	2.49
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	13	2.49
(1,1222)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	1	2.49
(1,1222)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	1	2.49
(1,1222)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	10	2.49
(1,1222)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	10	2.49
(1,1222)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	12	2.49
(1,1222)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	12	2.49
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD2	4	2.49
(1,1217)	1:474:A:LYS:HG2	1:474:A:LYS:HD3	4	2.49
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD2	17	2.49
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD3	17	2.49
(1,1178)	1:407:A:LEU:HA	1:408:A:PHE:H	14	2.49
(1,1170)	1:486:A:ASP:HA	1:486:A:ASP:HB3	10	2.49
(1,1113)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	1	2.49
(1,1113)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	1	2.49
(1,1113)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	10	2.49
(1,1113)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	10	2.49
(1,1113)	1:423:A:GLN:HB2	1:423:A:GLN:HG3	12	2.49
(1,1113)	1:423:A:GLN:HB3	1:423:A:GLN:HG3	12	2.49
(1,1111)	1:423:A:GLN:HA	1:423:A:GLN:HG2	13	2.49
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD1	3	2.49
(1,1096)	1:428:A:PHE:HA	1:428:A:PHE:HD2	3	2.49
(1,1093)	1:403:A:GLU:HA	1:404:A:GLY:H	15	2.49
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	15	2.49
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	15	2.49
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	15	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	15	2.49
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	15	2.49
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	15	2.49
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	15	2.49
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	15	2.49
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	15	2.49
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD11	9	2.49
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD12	9	2.49
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD13	9	2.49
(1,1032)	1:430:A:ASN:HB2	1:454:A:ASP:H	6	2.49
(1,1032)	1:430:A:ASN:HB3	1:454:A:ASP:H	6	2.49
(1,979)	1:413:A:PRO:HA	1:414:A:GLN:H	11	2.49
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	8	2.49
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	8	2.49
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	8	2.49
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	8	2.49
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	8	2.49
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	8	2.49
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	11	2.49
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	11	2.49
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	11	2.49
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	11	2.49
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	11	2.49
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	11	2.49
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB1	2	2.49
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB2	2	2.49
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB3	2	2.49
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB1	13	2.49
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB2	13	2.49
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB3	13	2.49
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	4	2.49
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	4	2.49
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	4	2.49
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	4	2.49
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	7	2.49
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	7	2.49
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	7	2.49
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	7	2.49
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	8	2.49
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	8	2.49
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	8	2.49
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	8	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	11	2.49
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	11	2.49
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	11	2.49
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	11	2.49
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	16	2.49
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	16	2.49
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	16	2.49
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	16	2.49
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB2	19	2.49
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB3	19	2.49
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG21	13	2.49
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG22	13	2.49
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG23	13	2.49
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	15	2.49
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	15	2.49
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	15	2.49
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	15	2.49
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	15	2.49
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	15	2.49
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	15	2.49
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	15	2.49
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	15	2.49
(1,809)	1:434:A:ALA:HB1	1:435:A:LYS:H	9	2.49
(1,809)	1:434:A:ALA:HB2	1:435:A:LYS:H	9	2.49
(1,809)	1:434:A:ALA:HB3	1:435:A:LYS:H	9	2.49
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB1	8	2.49
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB2	8	2.49
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB3	8	2.49
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG11	9	2.49
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG12	9	2.49
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG13	9	2.49
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG11	16	2.49
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG12	16	2.49
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG13	16	2.49
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	12	2.49
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	12	2.49
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	12	2.49
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	12	2.49
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	15	2.49
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	15	2.49
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	15	2.49
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	15	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,661)	1:480:A:LEU:HB2	1:480:A:LEU:HG	3	2.49
(1,661)	1:480:A:LEU:HB3	1:480:A:LEU:HG	3	2.49
(1,585)	1:428:A:PHE:H	1:428:A:PHE:HB2	6	2.49
(1,574)	1:466:A:MET:H	1:466:A:MET:HB2	1	2.49
(1,574)	1:466:A:MET:H	1:466:A:MET:HB3	1	2.49
(1,535)	1:453:A:TYR:HA	1:454:A:ASP:H	7	2.49
(1,519)	1:432:A:ILE:H	1:433:A:SER:H	11	2.49
(1,436)	1:420:A:ASP:H	1:421:A:ILE:H	3	2.49
(1,414)	1:441:A:GLN:H	1:441:A:GLN:HG3	7	2.49
(1,378)	1:443:A:ASN:HA	1:444:A:LEU:H	14	2.49
(1,364)	1:467:A:ASN:HA	1:468:A:GLY:H	3	2.49
(1,364)	1:467:A:ASN:HA	1:468:A:GLY:H	12	2.49
(1,355)	1:462:A:ALA:H	1:463:A:ILE:H	17	2.49
(1,347)	1:408:A:PHE:H	1:408:A:PHE:HB2	12	2.49
(1,345)	1:407:A:LEU:HA	1:408:A:PHE:H	14	2.49
(1,327)	1:402:A:PRO:HA	1:403:A:GLU:H	2	2.49
(1,327)	1:402:A:PRO:HA	1:403:A:GLU:H	14	2.49
(1,322)	1:451:A:VAL:HA	1:452:A:SER:H	17	2.49
(1,322)	1:451:A:VAL:HA	1:452:A:SER:H	19	2.49
(1,312)	1:474:A:LYS:HB3	1:475:A:ARG:H	14	2.49
(1,257)	1:434:A:ALA:HB1	1:435:A:LYS:H	9	2.49
(1,257)	1:434:A:ALA:HB2	1:435:A:LYS:H	9	2.49
(1,257)	1:434:A:ALA:HB3	1:435:A:LYS:H	9	2.49
(1,211)	1:462:A:ALA:H	1:463:A:ILE:H	17	2.49
(1,205)	1:415:A:GLU:HG2	1:416:A:PHE:H	11	2.49
(1,205)	1:415:A:GLU:HG3	1:416:A:PHE:H	11	2.49
(1,162)	1:479:A:GLN:HA	1:480:A:LEU:H	20	2.49
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD11	16	2.49
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD12	16	2.49
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD13	16	2.49
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD21	16	2.49
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD22	16	2.49
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD23	16	2.49
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB2	12	2.49
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB3	12	2.49
(1,108)	1:476:A:LEU:HA	1:477:A:LYS:H	3	2.49
(1,108)	1:476:A:LEU:HA	1:477:A:LYS:H	13	2.49
(1,108)	1:476:A:LEU:HA	1:477:A:LYS:H	14	2.49
(1,99)	1:407:A:LEU:H	1:451:A:VAL:H	15	2.49
(1,88)	1:481:A:LYS:H	1:481:A:LYS:HB3	5	2.49
(1,80)	1:433:A:SER:HA	1:434:A:ALA:H	3	2.49
(1,80)	1:433:A:SER:HA	1:434:A:ALA:H	9	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,68)	1:413:A:PRO:HA	1:414:A:GLN:H	11	2.49
(1,34)	1:477:A:LYS:HA	1:478:A:VAL:H	3	2.49
(1,34)	1:477:A:LYS:HA	1:478:A:VAL:H	14	2.49
(1,14)	1:431:A:VAL:HA	1:432:A:ILE:H	7	2.49
(1,10)	1:430:A:ASN:HA	1:431:A:VAL:H	11	2.49
(1,10)	1:430:A:ASN:HA	1:431:A:VAL:H	15	2.49
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD1	5	2.48
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD2	5	2.48
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	17	2.48
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	17	2.48
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	17	2.48
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	17	2.48
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	17	2.48
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	17	2.48
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD1	19	2.48
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD2	19	2.48
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD1	19	2.48
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD2	19	2.48
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD1	19	2.48
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD2	19	2.48
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB2	5	2.48
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB3	5	2.48
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	13	2.48
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	13	2.48
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	14	2.48
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	14	2.48
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	20	2.48
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	20	2.48
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD2	14	2.48
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD3	14	2.48
(1,1503)	1:485:A:ASN:HA	1:485:A:ASN:HB2	3	2.48
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB2	4	2.48
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB3	4	2.48
(1,1496)	1:486:A:ASP:HA	1:486:A:ASP:HB3	13	2.48
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD2	14	2.48
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD3	14	2.48
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD2	1	2.48
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD3	1	2.48
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD2	1	2.48
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD3	1	2.48
(1,1466)	1:414:A:GLN:HB2	1:414:A:GLN:HG3	14	2.48
(1,1455)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	10	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG2	1	2.48
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG3	1	2.48
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG2	2	2.48
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG3	2	2.48
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD11	20	2.48
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD12	20	2.48
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD13	20	2.48
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG11	5	2.48
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG12	5	2.48
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG13	5	2.48
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG11	11	2.48
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG12	11	2.48
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG13	11	2.48
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG11	19	2.48
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG12	19	2.48
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG13	19	2.48
(1,1359)	1:475:A:ARG:HB2	1:475:A:ARG:HD2	20	2.48
(1,1359)	1:475:A:ARG:HB3	1:475:A:ARG:HD2	20	2.48
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG12	8	2.48
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG13	8	2.48
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG11	1	2.48
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG12	1	2.48
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG13	1	2.48
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG21	1	2.48
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG22	1	2.48
(1,1301)	1:457:A:VAL:HA	1:457:A:VAL:HG23	1	2.48
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG11	1	2.48
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG12	1	2.48
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG13	1	2.48
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG11	1	2.48
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG12	1	2.48
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG13	1	2.48
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG11	5	2.48
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG12	5	2.48
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG13	5	2.48
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG11	11	2.48
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG12	11	2.48
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG13	11	2.48
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG11	19	2.48
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG12	19	2.48
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG13	19	2.48
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	17	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	17	2.48
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	17	2.48
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	17	2.48
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	17	2.48
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	17	2.48
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	17	2.48
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	17	2.48
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	17	2.48
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	17	2.48
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	17	2.48
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	17	2.48
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	17	2.48
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	17	2.48
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	17	2.48
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	17	2.48
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	17	2.48
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	17	2.48
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	16	2.48
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	16	2.48
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	16	2.48
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	16	2.48
(1,1250)	1:480:A:LEU:HB2	1:480:A:LEU:HG	17	2.48
(1,1250)	1:480:A:LEU:HB3	1:480:A:LEU:HG	17	2.48
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD2	6	2.48
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD3	6	2.48
(1,1170)	1:486:A:ASP:HA	1:486:A:ASP:HB3	13	2.48
(1,1144)	1:474:A:LYS:HA	1:475:A:ARG:H	5	2.48
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG2	1	2.48
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG3	1	2.48
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	15	2.48
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	15	2.48
(1,1111)	1:423:A:GLN:HA	1:423:A:GLN:HG2	7	2.48
(1,1102)	1:441:A:GLN:HB2	1:441:A:GLN:HG3	10	2.48
(1,1100)	1:474:A:LYS:HB2	1:475:A:ARG:H	11	2.48
(1,1100)	1:474:A:LYS:HB3	1:475:A:ARG:H	11	2.48
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	4	2.48
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	4	2.48
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	4	2.48
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	4	2.48
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	4	2.48
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	4	2.48
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	4	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	4	2.48
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	4	2.48
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	8	2.48
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	8	2.48
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	8	2.48
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	8	2.48
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	8	2.48
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	8	2.48
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	8	2.48
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	8	2.48
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	8	2.48
(1,1015)	1:478:A:VAL:HA	1:479:A:GLN:H	3	2.48
(1,1015)	1:478:A:VAL:HA	1:479:A:GLN:H	11	2.48
(1,1015)	1:478:A:VAL:HA	1:479:A:GLN:H	15	2.48
(1,1015)	1:478:A:VAL:HA	1:479:A:GLN:H	19	2.48
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG21	18	2.48
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG22	18	2.48
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG23	18	2.48
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	4	2.48
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	4	2.48
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	4	2.48
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	4	2.48
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	4	2.48
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	4	2.48
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	19	2.48
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	19	2.48
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	19	2.48
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	19	2.48
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	19	2.48
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	19	2.48
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG21	11	2.48
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG22	11	2.48
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG23	11	2.48
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	16	2.48
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	16	2.48
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	16	2.48
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	16	2.48
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	16	2.48
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	16	2.48
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	16	2.48
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	16	2.48
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	16	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	20	2.48
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	20	2.48
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	20	2.48
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	20	2.48
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	20	2.48
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	20	2.48
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	20	2.48
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	20	2.48
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	20	2.48
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG12	8	2.48
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG13	8	2.48
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG21	11	2.48
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG22	11	2.48
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG23	11	2.48
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	2	2.48
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	2	2.48
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	2	2.48
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	2	2.48
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	2	2.48
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	2	2.48
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	2	2.48
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	2	2.48
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	2	2.48
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	1	2.48
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	1	2.48
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	1	2.48
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	1	2.48
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	1	2.48
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	1	2.48
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	1	2.48
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	1	2.48
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	1	2.48
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	8	2.48
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	8	2.48
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	8	2.48
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	8	2.48
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	8	2.48
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	8	2.48
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	8	2.48
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	8	2.48
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	8	2.48
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	16	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	16	2.48
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	16	2.48
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	16	2.48
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	16	2.48
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	16	2.48
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	16	2.48
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	16	2.48
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	16	2.48
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	20	2.48
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	20	2.48
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	20	2.48
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	20	2.48
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	20	2.48
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	20	2.48
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	20	2.48
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	20	2.48
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	20	2.48
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB1	5	2.48
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB2	5	2.48
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB3	5	2.48
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB1	7	2.48
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB2	7	2.48
(1,802)	1:465:A:ALA:H	1:465:A:ALA:HB3	7	2.48
(1,788)	1:478:A:VAL:HG11	1:479:A:GLN:H	3	2.48
(1,788)	1:478:A:VAL:HG12	1:479:A:GLN:H	3	2.48
(1,788)	1:478:A:VAL:HG13	1:479:A:GLN:H	3	2.48
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG11	6	2.48
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG12	6	2.48
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG13	6	2.48
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG11	13	2.48
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG12	13	2.48
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG13	13	2.48
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD11	15	2.48
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD12	15	2.48
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD13	15	2.48
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD21	15	2.48
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD22	15	2.48
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD23	15	2.48
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	16	2.48
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	16	2.48
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	16	2.48
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	16	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,661)	1:480:A:LEU:HB2	1:480:A:LEU:HG	17	2.48
(1,661)	1:480:A:LEU:HB3	1:480:A:LEU:HG	17	2.48
(1,599)	1:428:A:PHE:H	1:429:A:GLY:H	8	2.48
(1,562)	1:410:A:TYR:HA	1:411:A:HIS:H	1	2.48
(1,554)	1:425:A:PHE:H	1:425:A:PHE:HB2	9	2.48
(1,535)	1:453:A:TYR:HA	1:454:A:ASP:H	15	2.48
(1,512)	1:454:A:ASP:HB3	1:455:A:ASN:H	6	2.48
(1,512)	1:454:A:ASP:HB3	1:455:A:ASN:H	9	2.48
(1,508)	1:453:A:TYR:HD1	1:455:A:ASN:H	8	2.48
(1,508)	1:453:A:TYR:HD2	1:455:A:ASN:H	8	2.48
(1,508)	1:453:A:TYR:HD1	1:455:A:ASN:H	11	2.48
(1,508)	1:453:A:TYR:HD2	1:455:A:ASN:H	11	2.48
(1,502)	1:411:A:HIS:H	1:412:A:LEU:H	5	2.48
(1,474)	1:444:A:LEU:HA	1:445:A:SER:H	6	2.48
(1,474)	1:444:A:LEU:HA	1:445:A:SER:H	12	2.48
(1,474)	1:444:A:LEU:HA	1:445:A:SER:H	20	2.48
(1,462)	1:423:A:GLN:H	1:424:A:MET:H	5	2.48
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB2	5	2.48
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB3	5	2.48
(1,435)	1:421:A:ILE:H	1:422:A:LEU:H	14	2.48
(1,378)	1:443:A:ASN:HA	1:444:A:LEU:H	20	2.48
(1,364)	1:467:A:ASN:HA	1:468:A:GLY:H	8	2.48
(1,326)	1:402:A:PRO:HB2	1:403:A:GLU:H	19	2.48
(1,326)	1:402:A:PRO:HB3	1:403:A:GLU:H	19	2.48
(1,318)	1:473:A:MET:H	1:474:A:LYS:H	1	2.48
(1,312)	1:474:A:LYS:HB3	1:475:A:ARG:H	3	2.48
(1,308)	1:474:A:LYS:HA	1:475:A:ARG:H	5	2.48
(1,276)	1:458:A:SER:H	1:459:A:ALA:H	9	2.48
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG21	18	2.48
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG22	18	2.48
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG23	18	2.48
(1,201)	1:415:A:GLU:H	1:416:A:PHE:H	1	2.48
(1,191)	1:435:A:LYS:HA	1:436:A:VAL:H	15	2.48
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB2	5	2.48
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB3	5	2.48
(1,153)	1:406:A:ASN:HA	1:407:A:LEU:H	3	2.48
(1,129)	1:469:A:PHE:H	1:469:A:PHE:HB3	3	2.48
(1,129)	1:469:A:PHE:H	1:469:A:PHE:HB3	8	2.48
(1,121)	1:473:A:MET:H	1:473:A:MET:HG2	13	2.48
(1,119)	1:473:A:MET:H	1:474:A:LYS:H	1	2.48
(1,108)	1:476:A:LEU:HA	1:477:A:LYS:H	6	2.48
(1,108)	1:476:A:LEU:HA	1:477:A:LYS:H	10	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,102)	1:478:A:VAL:HA	1:479:A:GLN:H	3	2.48
(1,102)	1:478:A:VAL:HA	1:479:A:GLN:H	11	2.48
(1,102)	1:478:A:VAL:HA	1:479:A:GLN:H	15	2.48
(1,102)	1:478:A:VAL:HA	1:479:A:GLN:H	19	2.48
(1,86)	1:480:A:LEU:HA	1:481:A:LYS:H	2	2.48
(1,86)	1:480:A:LEU:HA	1:481:A:LYS:H	8	2.48
(1,75)	1:446:A:LYS:H	1:447:A:CYS:H	7	2.48
(1,70)	1:413:A:PRO:HB2	1:414:A:GLN:H	10	2.48
(1,70)	1:413:A:PRO:HB3	1:414:A:GLN:H	10	2.48
(1,34)	1:477:A:LYS:HA	1:478:A:VAL:H	4	2.48
(1,14)	1:431:A:VAL:HA	1:432:A:ILE:H	16	2.48
(1,10)	1:430:A:ASN:HA	1:431:A:VAL:H	9	2.48
(1,10)	1:430:A:ASN:HA	1:431:A:VAL:H	19	2.48
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD1	4	2.47
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD2	4	2.47
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD1	18	2.47
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD2	18	2.47
(1,1503)	1:485:A:ASN:HA	1:485:A:ASN:HB2	6	2.47
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB2	20	2.47
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB3	20	2.47
(1,1496)	1:486:A:ASP:HA	1:486:A:ASP:HB3	3	2.47
(1,1496)	1:486:A:ASP:HA	1:486:A:ASP:HB3	7	2.47
(1,1455)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	7	2.47
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG2	16	2.47
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG3	16	2.47
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB2	16	2.47
(1,1446)	1:487:A:SER:HA	1:487:A:SER:HB3	16	2.47
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD11	7	2.47
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD12	7	2.47
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD13	7	2.47
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	11	2.47
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	11	2.47
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	11	2.47
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	11	2.47
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	11	2.47
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	11	2.47
(1,1359)	1:475:A:ARG:HB2	1:475:A:ARG:HD2	5	2.47
(1,1359)	1:475:A:ARG:HB3	1:475:A:ARG:HD2	5	2.47
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG12	11	2.47
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG13	11	2.47
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	5	2.47
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	5	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	5	2.47
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	5	2.47
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	19	2.47
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	19	2.47
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	19	2.47
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	19	2.47
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	17	2.47
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	17	2.47
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	17	2.47
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	17	2.47
(1,1178)	1:407:A:LEU:HA	1:408:A:PHE:H	15	2.47
(1,1170)	1:486:A:ASP:HA	1:486:A:ASP:HB3	3	2.47
(1,1170)	1:486:A:ASP:HA	1:486:A:ASP:HB3	7	2.47
(1,1144)	1:474:A:LYS:HA	1:475:A:ARG:H	2	2.47
(1,1144)	1:474:A:LYS:HA	1:475:A:ARG:H	10	2.47
(1,1135)	1:400:A:GLU:HA	1:401:A:GLY:H	10	2.47
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG2	10	2.47
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG3	10	2.47
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	2	2.47
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	2	2.47
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	11	2.47
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	11	2.47
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	17	2.47
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	17	2.47
(1,1093)	1:403:A:GLU:HA	1:404:A:GLY:H	19	2.47
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB2	16	2.47
(1,1087)	1:487:A:SER:HA	1:487:A:SER:HB3	16	2.47
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD11	2	2.47
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD12	2	2.47
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD13	2	2.47
(1,1015)	1:478:A:VAL:HA	1:479:A:GLN:H	5	2.47
(1,1000)	1:467:A:ASN:H	1:467:A:ASN:HB2	7	2.47
(1,1000)	1:467:A:ASN:H	1:467:A:ASN:HB2	12	2.47
(1,1000)	1:467:A:ASN:H	1:467:A:ASN:HB2	15	2.47
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	9	2.47
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	9	2.47
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	9	2.47
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	9	2.47
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	9	2.47
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	9	2.47
(1,979)	1:413:A:PRO:HA	1:414:A:GLN:H	13	2.47
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	9	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	9	2.47
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	9	2.47
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	9	2.47
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	9	2.47
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	9	2.47
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG12	14	2.47
(1,978)	1:438:A:ILE:HG21	1:438:A:ILE:HG13	14	2.47
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG12	14	2.47
(1,978)	1:438:A:ILE:HG22	1:438:A:ILE:HG13	14	2.47
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG12	14	2.47
(1,978)	1:438:A:ILE:HG23	1:438:A:ILE:HG13	14	2.47
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB1	19	2.47
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB2	19	2.47
(1,937)	1:459:A:ALA:H	1:459:A:ALA:HB3	19	2.47
(1,936)	1:459:A:ALA:HB1	1:460:A:GLN:H	2	2.47
(1,936)	1:459:A:ALA:HB2	1:460:A:GLN:H	2	2.47
(1,936)	1:459:A:ALA:HB3	1:460:A:GLN:H	2	2.47
(1,932)	1:421:A:ILE:HG21	1:422:A:LEU:H	15	2.47
(1,932)	1:421:A:ILE:HG22	1:422:A:LEU:H	15	2.47
(1,932)	1:421:A:ILE:HG23	1:422:A:LEU:H	15	2.47
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB1	18	2.47
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB2	18	2.47
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB3	18	2.47
(1,896)	1:462:A:ALA:HB1	1:463:A:ILE:H	9	2.47
(1,896)	1:462:A:ALA:HB2	1:463:A:ILE:H	9	2.47
(1,896)	1:462:A:ALA:HB3	1:463:A:ILE:H	9	2.47
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG12	11	2.47
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG13	11	2.47
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD2	8	2.47
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD3	8	2.47
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG21	14	2.47
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG22	14	2.47
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG23	14	2.47
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG11	12	2.47
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG12	12	2.47
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG13	12	2.47
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG11	1	2.47
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG12	1	2.47
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG13	1	2.47
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	5	2.47
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	5	2.47
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	5	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	5	2.47
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	19	2.47
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	19	2.47
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	19	2.47
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	19	2.47
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	7	2.47
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	7	2.47
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	7	2.47
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	7	2.47
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	7	2.47
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	7	2.47
(1,599)	1:428:A:PHE:H	1:429:A:GLY:H	10	2.47
(1,574)	1:466:A:MET:H	1:466:A:MET:HB2	3	2.47
(1,574)	1:466:A:MET:H	1:466:A:MET:HB3	3	2.47
(1,519)	1:432:A:ILE:H	1:433:A:SER:H	16	2.47
(1,502)	1:411:A:HIS:H	1:412:A:LEU:H	17	2.47
(1,476)	1:445:A:SER:H	1:445:A:SER:HB2	12	2.47
(1,474)	1:444:A:LEU:HA	1:445:A:SER:H	14	2.47
(1,444)	1:419:A:GLN:H	1:420:A:ASP:H	17	2.47
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB2	16	2.47
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB3	16	2.47
(1,414)	1:441:A:GLN:H	1:441:A:GLN:HG3	16	2.47
(1,402)	1:471:A:ILE:HA	1:472:A:GLY:H	1	2.47
(1,402)	1:471:A:ILE:HA	1:472:A:GLY:H	13	2.47
(1,378)	1:443:A:ASN:HA	1:444:A:LEU:H	3	2.47
(1,347)	1:408:A:PHE:H	1:408:A:PHE:HB2	14	2.47
(1,345)	1:407:A:LEU:HA	1:408:A:PHE:H	15	2.47
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD1	18	2.47
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD2	18	2.47
(1,322)	1:451:A:VAL:HA	1:452:A:SER:H	9	2.47
(1,312)	1:474:A:LYS:HB3	1:475:A:ARG:H	20	2.47
(1,308)	1:474:A:LYS:HA	1:475:A:ARG:H	2	2.47
(1,308)	1:474:A:LYS:HA	1:475:A:ARG:H	10	2.47
(1,267)	1:409:A:ILE:H	1:409:A:ILE:HG12	19	2.47
(1,237)	1:400:A:GLU:H	1:400:A:GLU:HG3	4	2.47
(1,201)	1:415:A:GLU:H	1:416:A:PHE:H	4	2.47
(1,201)	1:415:A:GLU:H	1:416:A:PHE:H	7	2.47
(1,191)	1:435:A:LYS:HA	1:436:A:VAL:H	19	2.47
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB2	1	2.47
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB3	1	2.47
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD11	19	2.47
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD12	19	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD13	19	2.47
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD21	19	2.47
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD22	19	2.47
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD23	19	2.47
(1,153)	1:406:A:ASN:HA	1:407:A:LEU:H	2	2.47
(1,136)	1:421:A:ILE:HG21	1:422:A:LEU:H	15	2.47
(1,136)	1:421:A:ILE:HG22	1:422:A:LEU:H	15	2.47
(1,136)	1:421:A:ILE:HG23	1:422:A:LEU:H	15	2.47
(1,129)	1:469:A:PHE:H	1:469:A:PHE:HB3	11	2.47
(1,129)	1:469:A:PHE:H	1:469:A:PHE:HB3	14	2.47
(1,102)	1:478:A:VAL:HA	1:479:A:GLN:H	5	2.47
(1,88)	1:481:A:LYS:H	1:481:A:LYS:HB3	8	2.47
(1,86)	1:480:A:LEU:HA	1:481:A:LYS:H	10	2.47
(1,80)	1:433:A:SER:HA	1:434:A:ALA:H	14	2.47
(1,80)	1:433:A:SER:HA	1:434:A:ALA:H	16	2.47
(1,80)	1:433:A:SER:HA	1:434:A:ALA:H	19	2.47
(1,80)	1:433:A:SER:HA	1:434:A:ALA:H	20	2.47
(1,70)	1:413:A:PRO:HB2	1:414:A:GLN:H	4	2.47
(1,70)	1:413:A:PRO:HB3	1:414:A:GLN:H	4	2.47
(1,68)	1:413:A:PRO:HA	1:414:A:GLN:H	13	2.47
(1,47)	1:439:A:ASP:H	1:439:A:ASP:HB3	3	2.47
(1,45)	1:438:A:ILE:HA	1:439:A:ASP:H	9	2.47
(1,14)	1:431:A:VAL:HA	1:432:A:ILE:H	8	2.47
(1,14)	1:431:A:VAL:HA	1:432:A:ILE:H	9	2.47
(1,14)	1:431:A:VAL:HA	1:432:A:ILE:H	14	2.47
(1,14)	1:431:A:VAL:HA	1:432:A:ILE:H	18	2.47
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB1	13	2.46
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB2	13	2.46
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB3	13	2.46
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB1	13	2.46
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB2	13	2.46
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB3	13	2.46
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB2	15	2.46
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB3	15	2.46
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB2	12	2.46
(1,1502)	1:430:A:ASN:HA	1:430:A:ASN:HB3	12	2.46
(1,1495)	1:486:A:ASP:HA	1:486:A:ASP:HB2	16	2.46
(1,1465)	1:423:A:GLN:HB2	1:423:A:GLN:HG2	8	2.46
(1,1465)	1:423:A:GLN:HB3	1:423:A:GLN:HG2	8	2.46
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG2	13	2.46
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG3	13	2.46
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG21	7	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG22	7	2.46
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG23	7	2.46
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG21	20	2.46
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG22	20	2.46
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG23	20	2.46
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG21	7	2.46
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG22	7	2.46
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG23	7	2.46
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG21	20	2.46
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG22	20	2.46
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG23	20	2.46
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG21	8	2.46
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG22	8	2.46
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG23	8	2.46
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	9	2.46
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	9	2.46
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	9	2.46
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	9	2.46
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	9	2.46
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	9	2.46
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB1	7	2.46
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB2	7	2.46
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB3	7	2.46
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB1	7	2.46
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB2	7	2.46
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB3	7	2.46
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB1	7	2.46
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB2	7	2.46
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB3	7	2.46
(1,1359)	1:475:A:ARG:HB2	1:475:A:ARG:HD2	15	2.46
(1,1359)	1:475:A:ARG:HB3	1:475:A:ARG:HD2	15	2.46
(1,1214)	1:415:A:GLU:H	1:415:A:GLU:HB2	3	2.46
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	16	2.46
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	16	2.46
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	16	2.46
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	16	2.46
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	11	2.46
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	11	2.46
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	11	2.46
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	11	2.46
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	11	2.46
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	11	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1178)	1:407:A:LEU:HA	1:408:A:PHE:H	2	2.46
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG2	8	2.46
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG3	8	2.46
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	6	2.46
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	6	2.46
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	20	2.46
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	20	2.46
(1,1111)	1:423:A:GLN:HA	1:423:A:GLN:HG2	3	2.46
(1,1111)	1:423:A:GLN:HA	1:423:A:GLN:HG2	14	2.46
(1,1111)	1:423:A:GLN:HA	1:423:A:GLN:HG2	16	2.46
(1,1111)	1:423:A:GLN:HA	1:423:A:GLN:HG2	18	2.46
(1,1093)	1:403:A:GLU:HA	1:404:A:GLY:H	3	2.46
(1,1093)	1:403:A:GLU:HA	1:404:A:GLY:H	7	2.46
(1,1093)	1:403:A:GLU:HA	1:404:A:GLY:H	8	2.46
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD11	8	2.46
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD12	8	2.46
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD13	8	2.46
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD11	1	2.46
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD12	1	2.46
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD13	1	2.46
(1,1015)	1:478:A:VAL:HA	1:479:A:GLN:H	13	2.46
(1,1000)	1:467:A:ASN:H	1:467:A:ASN:HB2	18	2.46
(1,979)	1:413:A:PRO:HA	1:414:A:GLN:H	10	2.46
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	2	2.46
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	2	2.46
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	2	2.46
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	2	2.46
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	2	2.46
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	2	2.46
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	18	2.46
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	18	2.46
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	18	2.46
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	18	2.46
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	18	2.46
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	18	2.46
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	11	2.46
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	11	2.46
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	11	2.46
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	11	2.46
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	11	2.46
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	11	2.46
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	3	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	3	2.46
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	3	2.46
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	3	2.46
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB1	2	2.46
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB2	2	2.46
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB3	2	2.46
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG11	4	2.46
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG12	4	2.46
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG13	4	2.46
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG11	11	2.46
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG12	11	2.46
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG13	11	2.46
(1,762)	1:457:A:VAL:HG11	1:458:A:SER:H	15	2.46
(1,762)	1:457:A:VAL:HG12	1:458:A:SER:H	15	2.46
(1,762)	1:457:A:VAL:HG13	1:458:A:SER:H	15	2.46
(1,762)	1:457:A:VAL:HG21	1:458:A:SER:H	15	2.46
(1,762)	1:457:A:VAL:HG22	1:458:A:SER:H	15	2.46
(1,762)	1:457:A:VAL:HG23	1:458:A:SER:H	15	2.46
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD11	18	2.46
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD12	18	2.46
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD13	18	2.46
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD21	18	2.46
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD22	18	2.46
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD23	18	2.46
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG2	14	2.46
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG3	14	2.46
(1,574)	1:466:A:MET:H	1:466:A:MET:HB2	7	2.46
(1,574)	1:466:A:MET:H	1:466:A:MET:HB3	7	2.46
(1,574)	1:466:A:MET:H	1:466:A:MET:HB2	11	2.46
(1,574)	1:466:A:MET:H	1:466:A:MET:HB3	11	2.46
(1,535)	1:453:A:TYR:HA	1:454:A:ASP:H	17	2.46
(1,535)	1:453:A:TYR:HA	1:454:A:ASP:H	19	2.46
(1,522)	1:432:A:ILE:HB	1:433:A:SER:H	19	2.46
(1,519)	1:432:A:ILE:H	1:433:A:SER:H	12	2.46
(1,519)	1:432:A:ILE:H	1:433:A:SER:H	15	2.46
(1,502)	1:411:A:HIS:H	1:412:A:LEU:H	7	2.46
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB2	16	2.46
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB3	16	2.46
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB2	20	2.46
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB3	20	2.46
(1,444)	1:419:A:GLN:H	1:420:A:ASP:H	6	2.46
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB2	14	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB3	14	2.46
(1,402)	1:471:A:ILE:HA	1:472:A:GLY:H	19	2.46
(1,382)	1:444:A:LEU:H	1:444:A:LEU:HB3	15	2.46
(1,378)	1:443:A:ASN:HA	1:444:A:LEU:H	15	2.46
(1,364)	1:467:A:ASN:HA	1:468:A:GLY:H	1	2.46
(1,364)	1:467:A:ASN:HA	1:468:A:GLY:H	14	2.46
(1,355)	1:462:A:ALA:H	1:463:A:ILE:H	15	2.46
(1,347)	1:408:A:PHE:H	1:408:A:PHE:HB2	19	2.46
(1,345)	1:407:A:LEU:HA	1:408:A:PHE:H	2	2.46
(1,327)	1:402:A:PRO:HA	1:403:A:GLU:H	5	2.46
(1,327)	1:402:A:PRO:HA	1:403:A:GLU:H	6	2.46
(1,322)	1:451:A:VAL:HA	1:452:A:SER:H	12	2.46
(1,322)	1:451:A:VAL:HA	1:452:A:SER:H	15	2.46
(1,268)	1:457:A:VAL:H	1:458:A:SER:H	6	2.46
(1,238)	1:400:A:GLU:H	1:400:A:GLU:HB3	19	2.46
(1,211)	1:462:A:ALA:H	1:463:A:ILE:H	15	2.46
(1,191)	1:435:A:LYS:HA	1:436:A:VAL:H	4	2.46
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD11	7	2.46
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD12	7	2.46
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD13	7	2.46
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD21	7	2.46
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD22	7	2.46
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD23	7	2.46
(1,162)	1:479:A:GLN:HA	1:480:A:LEU:H	5	2.46
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB2	5	2.46
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB3	5	2.46
(1,129)	1:469:A:PHE:H	1:469:A:PHE:HB3	6	2.46
(1,108)	1:476:A:LEU:HA	1:477:A:LYS:H	1	2.46
(1,108)	1:476:A:LEU:HA	1:477:A:LYS:H	16	2.46
(1,102)	1:478:A:VAL:HA	1:479:A:GLN:H	13	2.46
(1,88)	1:481:A:LYS:H	1:481:A:LYS:HB3	4	2.46
(1,86)	1:480:A:LEU:HA	1:481:A:LYS:H	5	2.46
(1,68)	1:413:A:PRO:HA	1:414:A:GLN:H	10	2.46
(1,46)	1:439:A:ASP:H	1:439:A:ASP:HB2	3	2.46
(1,34)	1:477:A:LYS:HA	1:478:A:VAL:H	18	2.46
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB2	5	2.46
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB3	5	2.46
(1,24)	1:426:A:MET:H	1:431:A:VAL:HA	7	2.46
(1,14)	1:431:A:VAL:HA	1:432:A:ILE:H	1	2.46
(1,10)	1:430:A:ASN:HA	1:431:A:VAL:H	8	2.46
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG21	19	2.46
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG22	19	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG23	19	2.46
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD1	7	2.45
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD2	7	2.45
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD2	9	2.45
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD3	9	2.45
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD2	9	2.45
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD3	9	2.45
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD2	18	2.45
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD3	18	2.45
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD2	18	2.45
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD3	18	2.45
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG21	3	2.45
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG22	3	2.45
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG23	3	2.45
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	11	2.45
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	11	2.45
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	11	2.45
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	11	2.45
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	11	2.45
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	11	2.45
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	11	2.45
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	11	2.45
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	11	2.45
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	17	2.45
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	17	2.45
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	17	2.45
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	17	2.45
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	4	2.45
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	4	2.45
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	4	2.45
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	4	2.45
(1,1359)	1:475:A:ARG:HB2	1:475:A:ARG:HD2	3	2.45
(1,1359)	1:475:A:ARG:HB3	1:475:A:ARG:HD2	3	2.45
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	2	2.45
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	2	2.45
(1,1342)	1:405:A:ALA:HB1	1:453:A:TYR:HB3	1	2.45
(1,1342)	1:405:A:ALA:HB2	1:453:A:TYR:HB3	1	2.45
(1,1342)	1:405:A:ALA:HB3	1:453:A:TYR:HB3	1	2.45
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG21	3	2.45
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG22	3	2.45
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG23	3	2.45
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	4	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	4	2.45
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	4	2.45
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	4	2.45
(1,1250)	1:480:A:LEU:HB2	1:480:A:LEU:HG	9	2.45
(1,1250)	1:480:A:LEU:HB3	1:480:A:LEU:HG	9	2.45
(1,1197)	1:441:A:GLN:HB2	1:442:A:THR:H	7	2.45
(1,1144)	1:474:A:LYS:HA	1:475:A:ARG:H	3	2.45
(1,1144)	1:474:A:LYS:HA	1:475:A:ARG:H	12	2.45
(1,1135)	1:400:A:GLU:HA	1:401:A:GLY:H	19	2.45
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	5	2.45
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	5	2.45
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	10	2.45
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	10	2.45
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	18	2.45
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	18	2.45
(1,1102)	1:441:A:GLN:HB2	1:441:A:GLN:HG3	15	2.45
(1,1100)	1:474:A:LYS:HB2	1:475:A:ARG:H	18	2.45
(1,1100)	1:474:A:LYS:HB3	1:475:A:ARG:H	18	2.45
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	17	2.45
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	17	2.45
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	17	2.45
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	17	2.45
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	17	2.45
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	17	2.45
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	17	2.45
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	17	2.45
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	17	2.45
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD11	3	2.45
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD12	3	2.45
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD13	3	2.45
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD11	17	2.45
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD12	17	2.45
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD13	17	2.45
(1,1015)	1:478:A:VAL:HA	1:479:A:GLN:H	4	2.45
(1,1015)	1:478:A:VAL:HA	1:479:A:GLN:H	6	2.45
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	8	2.45
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	8	2.45
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	8	2.45
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	8	2.45
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	8	2.45
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	8	2.45
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	8	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	8	2.45
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	8	2.45
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD11	12	2.45
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD12	12	2.45
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD13	12	2.45
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	15	2.45
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	15	2.45
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	15	2.45
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	15	2.45
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	15	2.45
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	15	2.45
(1,936)	1:459:A:ALA:HB1	1:460:A:GLN:H	17	2.45
(1,936)	1:459:A:ALA:HB2	1:460:A:GLN:H	17	2.45
(1,936)	1:459:A:ALA:HB3	1:460:A:GLN:H	17	2.45
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	3	2.45
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	3	2.45
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	3	2.45
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	3	2.45
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	3	2.45
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	3	2.45
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	3	2.45
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	3	2.45
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	3	2.45
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	2	2.45
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	2	2.45
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB1	10	2.45
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB2	10	2.45
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB3	10	2.45
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	17	2.45
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	17	2.45
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	17	2.45
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	17	2.45
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	17	2.45
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	17	2.45
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	17	2.45
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	17	2.45
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	17	2.45
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	3	2.45
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	3	2.45
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	3	2.45
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	3	2.45
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	3	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	3	2.45
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	3	2.45
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	3	2.45
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	3	2.45
(1,809)	1:434:A:ALA:HB1	1:435:A:LYS:H	5	2.45
(1,809)	1:434:A:ALA:HB2	1:435:A:LYS:H	5	2.45
(1,809)	1:434:A:ALA:HB3	1:435:A:LYS:H	5	2.45
(1,788)	1:478:A:VAL:HG11	1:479:A:GLN:H	5	2.45
(1,788)	1:478:A:VAL:HG12	1:479:A:GLN:H	5	2.45
(1,788)	1:478:A:VAL:HG13	1:479:A:GLN:H	5	2.45
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG11	19	2.45
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG12	19	2.45
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG13	19	2.45
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD11	6	2.45
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD12	6	2.45
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD13	6	2.45
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD21	6	2.45
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD22	6	2.45
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD23	6	2.45
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD11	12	2.45
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD12	12	2.45
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD13	12	2.45
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD21	12	2.45
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD22	12	2.45
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD23	12	2.45
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD11	16	2.45
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD12	16	2.45
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD13	16	2.45
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD21	16	2.45
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD22	16	2.45
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD23	16	2.45
(1,661)	1:480:A:LEU:HB2	1:480:A:LEU:HG	9	2.45
(1,661)	1:480:A:LEU:HB3	1:480:A:LEU:HG	9	2.45
(1,574)	1:466:A:MET:H	1:466:A:MET:HB2	17	2.45
(1,574)	1:466:A:MET:H	1:466:A:MET:HB3	17	2.45
(1,562)	1:410:A:TYR:HA	1:411:A:HIS:H	9	2.45
(1,554)	1:425:A:PHE:H	1:425:A:PHE:HB2	14	2.45
(1,535)	1:453:A:TYR:HA	1:454:A:ASP:H	12	2.45
(1,522)	1:432:A:ILE:HB	1:433:A:SER:H	8	2.45
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD11	18	2.45
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD12	18	2.45
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD13	18	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD21	18	2.45
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD22	18	2.45
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD23	18	2.45
(1,474)	1:444:A:LEU:HA	1:445:A:SER:H	1	2.45
(1,447)	1:419:A:GLN:H	1:419:A:GLN:HB3	14	2.45
(1,444)	1:419:A:GLN:H	1:420:A:ASP:H	13	2.45
(1,444)	1:419:A:GLN:H	1:420:A:ASP:H	15	2.45
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB2	4	2.45
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB3	4	2.45
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB2	13	2.45
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB3	13	2.45
(1,426)	1:442:A:THR:H	1:443:A:ASN:H	16	2.45
(1,402)	1:471:A:ILE:HA	1:472:A:GLY:H	5	2.45
(1,402)	1:471:A:ILE:HA	1:472:A:GLY:H	6	2.45
(1,402)	1:471:A:ILE:HA	1:472:A:GLY:H	10	2.45
(1,402)	1:471:A:ILE:HA	1:472:A:GLY:H	12	2.45
(1,402)	1:471:A:ILE:HA	1:472:A:GLY:H	14	2.45
(1,402)	1:471:A:ILE:HA	1:472:A:GLY:H	15	2.45
(1,396)	1:429:A:GLY:HA3	1:430:A:ASN:H	9	2.45
(1,364)	1:467:A:ASN:HA	1:468:A:GLY:H	19	2.45
(1,331)	1:466:A:MET:H	1:467:A:ASN:H	1	2.45
(1,327)	1:402:A:PRO:HA	1:403:A:GLU:H	10	2.45
(1,327)	1:402:A:PRO:HA	1:403:A:GLU:H	12	2.45
(1,327)	1:402:A:PRO:HA	1:403:A:GLU:H	16	2.45
(1,327)	1:402:A:PRO:HA	1:403:A:GLU:H	18	2.45
(1,310)	1:475:A:ARG:H	1:475:A:ARG:HD2	9	2.45
(1,308)	1:474:A:LYS:HA	1:475:A:ARG:H	3	2.45
(1,308)	1:474:A:LYS:HA	1:475:A:ARG:H	12	2.45
(1,268)	1:457:A:VAL:H	1:458:A:SER:H	5	2.45
(1,268)	1:457:A:VAL:H	1:458:A:SER:H	12	2.45
(1,257)	1:434:A:ALA:HB1	1:435:A:LYS:H	5	2.45
(1,257)	1:434:A:ALA:HB2	1:435:A:LYS:H	5	2.45
(1,257)	1:434:A:ALA:HB3	1:435:A:LYS:H	5	2.45
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG12	2	2.45
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG13	2	2.45
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG12	17	2.45
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG13	17	2.45
(1,187)	1:460:A:GLN:HG2	1:461:A:ALA:H	11	2.45
(1,187)	1:460:A:GLN:HG3	1:461:A:ALA:H	11	2.45
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD11	18	2.45
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD12	18	2.45
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD13	18	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD21	18	2.45
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD22	18	2.45
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD23	18	2.45
(1,153)	1:406:A:ASN:HA	1:407:A:LEU:H	7	2.45
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD11	13	2.45
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD12	13	2.45
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD13	13	2.45
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD21	13	2.45
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD22	13	2.45
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD23	13	2.45
(1,129)	1:469:A:PHE:H	1:469:A:PHE:HB3	19	2.45
(1,121)	1:473:A:MET:H	1:473:A:MET:HG2	15	2.45
(1,117)	1:489:A:PRO:HG2	1:490:A:TYR:H	2	2.45
(1,117)	1:489:A:PRO:HG2	1:490:A:TYR:H	11	2.45
(1,102)	1:478:A:VAL:HA	1:479:A:GLN:H	4	2.45
(1,102)	1:478:A:VAL:HA	1:479:A:GLN:H	6	2.45
(1,86)	1:480:A:LEU:HA	1:481:A:LYS:H	19	2.45
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD1	6	2.45
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD2	6	2.45
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB2	15	2.45
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB3	15	2.45
(1,14)	1:431:A:VAL:HA	1:432:A:ILE:H	10	2.45
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD1	2	2.44
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD2	2	2.44
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD1	4	2.44
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD2	4	2.44
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB2	1	2.44
(1,1523)	1:423:A:GLN:HA	1:423:A:GLN:HB3	1	2.44
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	4	2.44
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	4	2.44
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD2	7	2.44
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD3	7	2.44
(1,1495)	1:486:A:ASP:HA	1:486:A:ASP:HB2	2	2.44
(1,1474)	1:398:A:GLN:HB2	1:398:A:GLN:HG2	8	2.44
(1,1474)	1:398:A:GLN:HB3	1:398:A:GLN:HG2	8	2.44
(1,1474)	1:398:A:GLN:HB2	1:398:A:GLN:HG2	14	2.44
(1,1474)	1:398:A:GLN:HB3	1:398:A:GLN:HG2	14	2.44
(1,1474)	1:398:A:GLN:HB2	1:398:A:GLN:HG2	15	2.44
(1,1474)	1:398:A:GLN:HB3	1:398:A:GLN:HG2	15	2.44
(1,1474)	1:398:A:GLN:HB2	1:398:A:GLN:HG2	20	2.44
(1,1474)	1:398:A:GLN:HB3	1:398:A:GLN:HG2	20	2.44
(1,1466)	1:414:A:GLN:HB2	1:414:A:GLN:HG3	6	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1454)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	20	2.44
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG2	4	2.44
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG3	4	2.44
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG2	11	2.44
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG3	11	2.44
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG21	19	2.44
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG22	19	2.44
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG23	19	2.44
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD1	17	2.44
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD2	17	2.44
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG11	11	2.44
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG12	11	2.44
(1,1414)	1:436:A:VAL:HA	1:436:A:VAL:HG13	11	2.44
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	17	2.44
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	17	2.44
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	17	2.44
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	17	2.44
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	17	2.44
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	17	2.44
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG11	11	2.44
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG12	11	2.44
(1,1321)	1:436:A:VAL:HA	1:436:A:VAL:HG13	11	2.44
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG21	19	2.44
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG22	19	2.44
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG23	19	2.44
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG11	6	2.44
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG12	6	2.44
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG13	6	2.44
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG11	6	2.44
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG12	6	2.44
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG13	6	2.44
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD11	9	2.44
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD12	9	2.44
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD13	9	2.44
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD21	9	2.44
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD22	9	2.44
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD23	9	2.44
(1,1250)	1:480:A:LEU:HB2	1:480:A:LEU:HG	5	2.44
(1,1250)	1:480:A:LEU:HB3	1:480:A:LEU:HG	5	2.44
(1,1223)	1:423:A:GLN:HB2	1:424:A:MET:H	12	2.44
(1,1223)	1:423:A:GLN:HB3	1:424:A:MET:H	12	2.44
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD2	7	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD3	7	2.44
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD2	12	2.44
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD3	12	2.44
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	9	2.44
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	9	2.44
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	9	2.44
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	9	2.44
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	7	2.44
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	7	2.44
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	7	2.44
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	7	2.44
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	9	2.44
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	9	2.44
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	9	2.44
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	9	2.44
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD2	11	2.44
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD3	11	2.44
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD2	11	2.44
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD3	11	2.44
(1,1198)	1:441:A:GLN:HB2	1:441:A:GLN:HG2	20	2.44
(1,1178)	1:407:A:LEU:HA	1:408:A:PHE:H	3	2.44
(1,1178)	1:407:A:LEU:HA	1:408:A:PHE:H	20	2.44
(1,1144)	1:474:A:LYS:HA	1:475:A:ARG:H	15	2.44
(1,1144)	1:474:A:LYS:HA	1:475:A:ARG:H	18	2.44
(1,1135)	1:400:A:GLU:HA	1:401:A:GLY:H	4	2.44
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	14	2.44
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	14	2.44
(1,1111)	1:423:A:GLN:HA	1:423:A:GLN:HG2	19	2.44
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD11	15	2.44
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD12	15	2.44
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD13	15	2.44
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD11	7	2.44
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD12	7	2.44
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD13	7	2.44
(1,1000)	1:467:A:ASN:H	1:467:A:ASN:HB2	6	2.44
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	13	2.44
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	13	2.44
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	13	2.44
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	13	2.44
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	13	2.44
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	13	2.44
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	7	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	7	2.44
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	7	2.44
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	7	2.44
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	7	2.44
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	7	2.44
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	7	2.44
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	7	2.44
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	7	2.44
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	13	2.44
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	13	2.44
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	13	2.44
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	13	2.44
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	13	2.44
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	13	2.44
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	13	2.44
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	13	2.44
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	13	2.44
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB2	3	2.44
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB3	3	2.44
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB2	11	2.44
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB3	11	2.44
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB2	18	2.44
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB3	18	2.44
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	7	2.44
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	7	2.44
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	7	2.44
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	7	2.44
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	7	2.44
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	7	2.44
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	7	2.44
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	7	2.44
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	7	2.44
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	13	2.44
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	13	2.44
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	13	2.44
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	13	2.44
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	13	2.44
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	13	2.44
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	13	2.44
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	13	2.44
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	13	2.44
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG11	4	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG12	4	2.44
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG13	4	2.44
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG11	7	2.44
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG12	7	2.44
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG13	7	2.44
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG2	8	2.44
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG3	8	2.44
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG2	14	2.44
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG3	14	2.44
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG2	17	2.44
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG3	17	2.44
(1,661)	1:480:A:LEU:HB2	1:480:A:LEU:HG	5	2.44
(1,661)	1:480:A:LEU:HB3	1:480:A:LEU:HG	5	2.44
(1,599)	1:428:A:PHE:H	1:429:A:GLY:H	5	2.44
(1,585)	1:428:A:PHE:H	1:428:A:PHE:HB2	4	2.44
(1,562)	1:410:A:TYR:HA	1:411:A:HIS:H	15	2.44
(1,532)	1:416:A:PHE:HA	1:417:A:GLY:H	7	2.44
(1,532)	1:416:A:PHE:HA	1:417:A:GLY:H	11	2.44
(1,502)	1:411:A:HIS:H	1:412:A:LEU:H	2	2.44
(1,502)	1:411:A:HIS:H	1:412:A:LEU:H	19	2.44
(1,475)	1:445:A:SER:H	1:445:A:SER:HB3	12	2.44
(1,474)	1:444:A:LEU:HA	1:445:A:SER:H	9	2.44
(1,474)	1:444:A:LEU:HA	1:445:A:SER:H	18	2.44
(1,471)	1:423:A:GLN:HB2	1:424:A:MET:H	12	2.44
(1,471)	1:423:A:GLN:HB3	1:424:A:MET:H	12	2.44
(1,462)	1:423:A:GLN:H	1:424:A:MET:H	10	2.44
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB2	8	2.44
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB3	8	2.44
(1,435)	1:421:A:ILE:H	1:422:A:LEU:H	15	2.44
(1,402)	1:471:A:ILE:HA	1:472:A:GLY:H	3	2.44
(1,402)	1:471:A:ILE:HA	1:472:A:GLY:H	4	2.44
(1,402)	1:471:A:ILE:HA	1:472:A:GLY:H	11	2.44
(1,402)	1:471:A:ILE:HA	1:472:A:GLY:H	16	2.44
(1,383)	1:444:A:LEU:H	1:444:A:LEU:HB2	2	2.44
(1,378)	1:443:A:ASN:HA	1:444:A:LEU:H	10	2.44
(1,355)	1:462:A:ALA:H	1:463:A:ILE:H	18	2.44
(1,345)	1:407:A:LEU:HA	1:408:A:PHE:H	3	2.44
(1,345)	1:407:A:LEU:HA	1:408:A:PHE:H	20	2.44
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD1	2	2.44
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD2	2	2.44
(1,327)	1:402:A:PRO:HA	1:403:A:GLU:H	4	2.44
(1,327)	1:402:A:PRO:HA	1:403:A:GLU:H	7	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,327)	1:402:A:PRO:HA	1:403:A:GLU:H	9	2.44
(1,308)	1:474:A:LYS:HA	1:475:A:ARG:H	15	2.44
(1,308)	1:474:A:LYS:HA	1:475:A:ARG:H	18	2.44
(1,211)	1:462:A:ALA:H	1:463:A:ILE:H	18	2.44
(1,201)	1:415:A:GLU:H	1:416:A:PHE:H	11	2.44
(1,191)	1:435:A:LYS:HA	1:436:A:VAL:H	12	2.44
(1,191)	1:435:A:LYS:HA	1:436:A:VAL:H	17	2.44
(1,162)	1:479:A:GLN:HA	1:480:A:LEU:H	19	2.44
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB2	14	2.44
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB3	14	2.44
(1,129)	1:469:A:PHE:H	1:469:A:PHE:HB3	5	2.44
(1,129)	1:469:A:PHE:H	1:469:A:PHE:HB3	13	2.44
(1,129)	1:469:A:PHE:H	1:469:A:PHE:HB3	18	2.44
(1,121)	1:473:A:MET:H	1:473:A:MET:HG2	18	2.44
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB2	1	2.44
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB3	1	2.44
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB2	17	2.44
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB3	17	2.44
(1,108)	1:476:A:LEU:HA	1:477:A:LYS:H	19	2.44
(1,86)	1:480:A:LEU:HA	1:481:A:LYS:H	12	2.44
(1,80)	1:433:A:SER:HA	1:434:A:ALA:H	6	2.44
(1,45)	1:438:A:ILE:HA	1:439:A:ASP:H	12	2.44
(1,10)	1:430:A:ASN:HA	1:431:A:VAL:H	6	2.44
(1,10)	1:430:A:ASN:HA	1:431:A:VAL:H	12	2.44
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD2	14	2.43
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD3	14	2.43
(1,1503)	1:485:A:ASN:HA	1:485:A:ASN:HB2	2	2.43
(1,1503)	1:485:A:ASN:HA	1:485:A:ASN:HB2	14	2.43
(1,1496)	1:486:A:ASP:HA	1:486:A:ASP:HB3	16	2.43
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD2	14	2.43
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD3	14	2.43
(1,1466)	1:414:A:GLN:HB2	1:414:A:GLN:HG3	13	2.43
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG11	12	2.43
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG12	12	2.43
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG13	12	2.43
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG11	20	2.43
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG12	20	2.43
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG13	20	2.43
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG21	1	2.43
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG22	1	2.43
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG23	1	2.43
(1,1359)	1:475:A:ARG:HB2	1:475:A:ARG:HD2	7	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1359)	1:475:A:ARG:HB3	1:475:A:ARG:HD2	7	2.43
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	12	2.43
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	12	2.43
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	14	2.43
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	14	2.43
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG11	12	2.43
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG12	12	2.43
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG13	12	2.43
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG11	20	2.43
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG12	20	2.43
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG13	20	2.43
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG2	14	2.43
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG3	14	2.43
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD2	2	2.43
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD3	2	2.43
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD2	9	2.43
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD3	9	2.43
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD2	14	2.43
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD3	14	2.43
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD2	15	2.43
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD3	15	2.43
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	2	2.43
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	2	2.43
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	2	2.43
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	2	2.43
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	6	2.43
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	6	2.43
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	6	2.43
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	6	2.43
(1,1178)	1:407:A:LEU:HA	1:408:A:PHE:H	12	2.43
(1,1178)	1:407:A:LEU:HA	1:408:A:PHE:H	18	2.43
(1,1170)	1:486:A:ASP:HA	1:486:A:ASP:HB3	16	2.43
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	4	2.43
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	4	2.43
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	19	2.43
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	19	2.43
(1,1111)	1:423:A:GLN:HA	1:423:A:GLN:HG2	6	2.43
(1,1104)	1:441:A:GLN:HA	1:441:A:GLN:HG2	9	2.43
(1,1103)	1:441:A:GLN:HA	1:441:A:GLN:HG3	10	2.43
(1,1102)	1:441:A:GLN:HB2	1:441:A:GLN:HG3	7	2.43
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	16	2.43
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	16	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	16	2.43
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	16	2.43
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	16	2.43
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	16	2.43
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	16	2.43
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	16	2.43
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	16	2.43
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	20	2.43
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	20	2.43
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	20	2.43
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	20	2.43
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	20	2.43
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	20	2.43
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	20	2.43
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	20	2.43
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	20	2.43
(1,979)	1:413:A:PRO:HA	1:414:A:GLN:H	2	2.43
(1,936)	1:459:A:ALA:HB1	1:460:A:GLN:H	13	2.43
(1,936)	1:459:A:ALA:HB2	1:460:A:GLN:H	13	2.43
(1,936)	1:459:A:ALA:HB3	1:460:A:GLN:H	13	2.43
(1,932)	1:421:A:ILE:HG21	1:422:A:LEU:H	1	2.43
(1,932)	1:421:A:ILE:HG22	1:422:A:LEU:H	1	2.43
(1,932)	1:421:A:ILE:HG23	1:422:A:LEU:H	1	2.43
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	15	2.43
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	15	2.43
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	15	2.43
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	15	2.43
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	15	2.43
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	15	2.43
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	15	2.43
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	15	2.43
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	15	2.43
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	17	2.43
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	17	2.43
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB2	4	2.43
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB3	4	2.43
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	12	2.43
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	12	2.43
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	14	2.43
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	14	2.43
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	16	2.43
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	16	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	16	2.43
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	16	2.43
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	16	2.43
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	16	2.43
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	16	2.43
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	16	2.43
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	16	2.43
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	16	2.43
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	16	2.43
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	16	2.43
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	16	2.43
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	16	2.43
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	16	2.43
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	16	2.43
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	16	2.43
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	16	2.43
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	15	2.43
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	15	2.43
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	15	2.43
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	15	2.43
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	15	2.43
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	15	2.43
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	15	2.43
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	15	2.43
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	15	2.43
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB1	3	2.43
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB2	3	2.43
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB3	3	2.43
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG11	2	2.43
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG12	2	2.43
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG13	2	2.43
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG11	16	2.43
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG12	16	2.43
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG13	16	2.43
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG2	3	2.43
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG3	3	2.43
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	17	2.43
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	17	2.43
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	16	2.43
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	16	2.43
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	16	2.43
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	16	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	16	2.43
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	16	2.43
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	16	2.43
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	16	2.43
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	16	2.43
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	16	2.43
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	16	2.43
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	16	2.43
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	16	2.43
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	16	2.43
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	16	2.43
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	16	2.43
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	16	2.43
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	16	2.43
(1,585)	1:428:A:PHE:H	1:428:A:PHE:HB2	12	2.43
(1,574)	1:466:A:MET:H	1:466:A:MET:HB2	12	2.43
(1,574)	1:466:A:MET:H	1:466:A:MET:HB3	12	2.43
(1,562)	1:410:A:TYR:HA	1:411:A:HIS:H	4	2.43
(1,562)	1:410:A:TYR:HA	1:411:A:HIS:H	5	2.43
(1,535)	1:453:A:TYR:HA	1:454:A:ASP:H	10	2.43
(1,519)	1:432:A:ILE:H	1:433:A:SER:H	2	2.43
(1,512)	1:454:A:ASP:HB3	1:455:A:ASN:H	13	2.43
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB2	1	2.43
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB3	1	2.43
(1,414)	1:441:A:GLN:H	1:441:A:GLN:HG3	9	2.43
(1,402)	1:471:A:ILE:HA	1:472:A:GLY:H	2	2.43
(1,402)	1:471:A:ILE:HA	1:472:A:GLY:H	8	2.43
(1,402)	1:471:A:ILE:HA	1:472:A:GLY:H	18	2.43
(1,402)	1:471:A:ILE:HA	1:472:A:GLY:H	20	2.43
(1,378)	1:443:A:ASN:HA	1:444:A:LEU:H	11	2.43
(1,364)	1:467:A:ASN:HA	1:468:A:GLY:H	7	2.43
(1,364)	1:467:A:ASN:HA	1:468:A:GLY:H	10	2.43
(1,364)	1:467:A:ASN:HA	1:468:A:GLY:H	17	2.43
(1,355)	1:462:A:ALA:H	1:463:A:ILE:H	11	2.43
(1,345)	1:407:A:LEU:HA	1:408:A:PHE:H	12	2.43
(1,345)	1:407:A:LEU:HA	1:408:A:PHE:H	18	2.43
(1,331)	1:466:A:MET:H	1:467:A:ASN:H	19	2.43
(1,246)	1:452:A:SER:HA	1:453:A:TYR:H	3	2.43
(1,223)	1:417:A:GLY:HA3	1:418:A:ASP:H	12	2.43
(1,211)	1:462:A:ALA:H	1:463:A:ILE:H	11	2.43
(1,203)	1:416:A:PHE:H	1:416:A:PHE:HB2	2	2.43
(1,203)	1:416:A:PHE:H	1:416:A:PHE:HB2	7	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:416:A:PHE:H	1:416:A:PHE:HB2	10	2.43
(1,203)	1:416:A:PHE:H	1:416:A:PHE:HB2	11	2.43
(1,201)	1:415:A:GLU:H	1:416:A:PHE:H	13	2.43
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB2	2	2.43
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB3	2	2.43
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD11	17	2.43
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD12	17	2.43
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD13	17	2.43
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD21	17	2.43
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD22	17	2.43
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD23	17	2.43
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD11	20	2.43
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD12	20	2.43
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD13	20	2.43
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD21	20	2.43
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD22	20	2.43
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD23	20	2.43
(1,153)	1:406:A:ASN:HA	1:407:A:LEU:H	15	2.43
(1,136)	1:421:A:ILE:HG21	1:422:A:LEU:H	1	2.43
(1,136)	1:421:A:ILE:HG22	1:422:A:LEU:H	1	2.43
(1,136)	1:421:A:ILE:HG23	1:422:A:LEU:H	1	2.43
(1,129)	1:469:A:PHE:H	1:469:A:PHE:HB3	2	2.43
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB2	7	2.43
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB3	7	2.43
(1,88)	1:481:A:LYS:H	1:481:A:LYS:HB3	6	2.43
(1,86)	1:480:A:LEU:HA	1:481:A:LYS:H	1	2.43
(1,80)	1:433:A:SER:HA	1:434:A:ALA:H	8	2.43
(1,70)	1:413:A:PRO:HB2	1:414:A:GLN:H	13	2.43
(1,70)	1:413:A:PRO:HB3	1:414:A:GLN:H	13	2.43
(1,68)	1:413:A:PRO:HA	1:414:A:GLN:H	2	2.43
(1,14)	1:431:A:VAL:HA	1:432:A:ILE:H	3	2.43
(1,14)	1:431:A:VAL:HA	1:432:A:ILE:H	20	2.43
(1,1503)	1:485:A:ASN:HA	1:485:A:ASN:HB2	9	2.42
(1,1495)	1:486:A:ASP:HA	1:486:A:ASP:HB2	10	2.42
(1,1474)	1:398:A:GLN:HB2	1:398:A:GLN:HG2	9	2.42
(1,1474)	1:398:A:GLN:HB3	1:398:A:GLN:HG2	9	2.42
(1,1454)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	2	2.42
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG2	8	2.42
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG3	8	2.42
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG21	7	2.42
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG22	7	2.42
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG23	7	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG11	6	2.42
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG12	6	2.42
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG13	6	2.42
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG21	4	2.42
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG22	4	2.42
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG23	4	2.42
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	19	2.42
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	19	2.42
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	19	2.42
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	19	2.42
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	19	2.42
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	19	2.42
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	19	2.42
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	19	2.42
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	19	2.42
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	19	2.42
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	19	2.42
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	19	2.42
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	19	2.42
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	19	2.42
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	19	2.42
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	19	2.42
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	19	2.42
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	19	2.42
(1,1359)	1:475:A:ARG:HB2	1:475:A:ARG:HD2	11	2.42
(1,1359)	1:475:A:ARG:HB3	1:475:A:ARG:HD2	11	2.42
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	19	2.42
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	19	2.42
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG21	7	2.42
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG22	7	2.42
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG23	7	2.42
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG11	6	2.42
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG12	6	2.42
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG13	6	2.42
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	1	2.42
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	1	2.42
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	1	2.42
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	1	2.42
(1,1250)	1:480:A:LEU:HB2	1:480:A:LEU:HG	14	2.42
(1,1250)	1:480:A:LEU:HB3	1:480:A:LEU:HG	14	2.42
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	19	2.42
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	19	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	19	2.42
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	19	2.42
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	19	2.42
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	19	2.42
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	19	2.42
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	19	2.42
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	19	2.42
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	19	2.42
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	19	2.42
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	19	2.42
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	19	2.42
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	19	2.42
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	19	2.42
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	19	2.42
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	19	2.42
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	19	2.42
(1,1223)	1:423:A:GLN:HB2	1:424:A:MET:H	5	2.42
(1,1223)	1:423:A:GLN:HB3	1:424:A:MET:H	5	2.42
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD2	11	2.42
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD3	11	2.42
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD2	18	2.42
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD3	18	2.42
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD2	20	2.42
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD3	20	2.42
(1,1198)	1:441:A:GLN:HB2	1:441:A:GLN:HG2	18	2.42
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	8	2.42
(1,1184)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	8	2.42
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	8	2.42
(1,1184)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	8	2.42
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	8	2.42
(1,1184)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	8	2.42
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG2	3	2.42
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG3	3	2.42
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	13	2.42
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	13	2.42
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG2	16	2.42
(1,1123)	1:419:A:GLN:HB3	1:419:A:GLN:HG3	16	2.42
(1,1110)	1:423:A:GLN:H	1:423:A:GLN:HG3	11	2.42
(1,1102)	1:441:A:GLN:HB2	1:441:A:GLN:HG3	13	2.42
(1,1093)	1:403:A:GLU:HA	1:404:A:GLY:H	20	2.42
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD11	16	2.42
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD12	16	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD13	16	2.42
(1,1015)	1:478:A:VAL:HA	1:479:A:GLN:H	1	2.42
(1,1000)	1:467:A:ASN:H	1:467:A:ASN:HB2	19	2.42
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	1	2.42
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	1	2.42
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	1	2.42
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	1	2.42
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	1	2.42
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	1	2.42
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	1	2.42
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	1	2.42
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	1	2.42
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	5	2.42
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	5	2.42
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	5	2.42
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	5	2.42
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	5	2.42
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	5	2.42
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	5	2.42
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	5	2.42
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	5	2.42
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	7	2.42
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	7	2.42
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	7	2.42
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	7	2.42
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	7	2.42
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	7	2.42
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	7	2.42
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	7	2.42
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	7	2.42
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD11	19	2.42
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD12	19	2.42
(1,994)	1:409:A:ILE:HB	1:409:A:ILE:HD13	19	2.42
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	14	2.42
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	14	2.42
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	14	2.42
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	14	2.42
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	14	2.42
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	14	2.42
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG12	8	2.42
(1,956)	1:463:A:ILE:HG21	1:463:A:ILE:HG13	8	2.42
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG12	8	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:463:A:ILE:HG22	1:463:A:ILE:HG13	8	2.42
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG12	8	2.42
(1,956)	1:463:A:ILE:HG23	1:463:A:ILE:HG13	8	2.42
(1,940)	1:486:A:ASP:H	1:486:A:ASP:HB2	17	2.42
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB1	12	2.42
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB2	12	2.42
(1,897)	1:462:A:ALA:H	1:462:A:ALA:HB3	12	2.42
(1,896)	1:462:A:ALA:HB1	1:463:A:ILE:H	11	2.42
(1,896)	1:462:A:ALA:HB2	1:463:A:ILE:H	11	2.42
(1,896)	1:462:A:ALA:HB3	1:463:A:ILE:H	11	2.42
(1,896)	1:462:A:ALA:HB1	1:463:A:ILE:H	20	2.42
(1,896)	1:462:A:ALA:HB2	1:463:A:ILE:H	20	2.42
(1,896)	1:462:A:ALA:HB3	1:463:A:ILE:H	20	2.42
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB2	7	2.42
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB3	7	2.42
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	19	2.42
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	19	2.42
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB1	11	2.42
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB2	11	2.42
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB3	11	2.42
(1,788)	1:478:A:VAL:HG11	1:479:A:GLN:H	10	2.42
(1,788)	1:478:A:VAL:HG12	1:479:A:GLN:H	10	2.42
(1,788)	1:478:A:VAL:HG13	1:479:A:GLN:H	10	2.42
(1,788)	1:478:A:VAL:HG11	1:479:A:GLN:H	17	2.42
(1,788)	1:478:A:VAL:HG12	1:479:A:GLN:H	17	2.42
(1,788)	1:478:A:VAL:HG13	1:479:A:GLN:H	17	2.42
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG2	5	2.42
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG3	5	2.42
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	1	2.42
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	1	2.42
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	1	2.42
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	1	2.42
(1,661)	1:480:A:LEU:HB2	1:480:A:LEU:HG	14	2.42
(1,661)	1:480:A:LEU:HB3	1:480:A:LEU:HG	14	2.42
(1,562)	1:410:A:TYR:HA	1:411:A:HIS:H	10	2.42
(1,502)	1:411:A:HIS:H	1:412:A:LEU:H	1	2.42
(1,474)	1:444:A:LEU:HA	1:445:A:SER:H	19	2.42
(1,471)	1:423:A:GLN:HB2	1:424:A:MET:H	5	2.42
(1,471)	1:423:A:GLN:HB3	1:424:A:MET:H	5	2.42
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB2	19	2.42
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB3	19	2.42
(1,447)	1:419:A:GLN:H	1:419:A:GLN:HB3	8	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,435)	1:421:A:ILE:H	1:422:A:LEU:H	13	2.42
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB2	6	2.42
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB3	6	2.42
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB2	7	2.42
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB3	7	2.42
(1,426)	1:442:A:THR:H	1:443:A:ASN:H	17	2.42
(1,402)	1:471:A:ILE:HA	1:472:A:GLY:H	7	2.42
(1,402)	1:471:A:ILE:HA	1:472:A:GLY:H	9	2.42
(1,402)	1:471:A:ILE:HA	1:472:A:GLY:H	17	2.42
(1,382)	1:444:A:LEU:H	1:444:A:LEU:HB3	5	2.42
(1,378)	1:443:A:ASN:HA	1:444:A:LEU:H	9	2.42
(1,377)	1:443:A:ASN:H	1:444:A:LEU:H	16	2.42
(1,364)	1:467:A:ASN:HA	1:468:A:GLY:H	5	2.42
(1,364)	1:467:A:ASN:HA	1:468:A:GLY:H	11	2.42
(1,364)	1:467:A:ASN:HA	1:468:A:GLY:H	13	2.42
(1,312)	1:474:A:LYS:HB3	1:475:A:ARG:H	11	2.42
(1,262)	1:486:A:ASP:H	1:486:A:ASP:HB2	17	2.42
(1,223)	1:417:A:GLY:HA3	1:418:A:ASP:H	15	2.42
(1,203)	1:416:A:PHE:H	1:416:A:PHE:HB2	5	2.42
(1,162)	1:479:A:GLN:HA	1:480:A:LEU:H	6	2.42
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB2	20	2.42
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB3	20	2.42
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD11	16	2.42
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD12	16	2.42
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD13	16	2.42
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD21	16	2.42
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD22	16	2.42
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD23	16	2.42
(1,125)	1:468:A:GLY:H	1:469:A:PHE:H	9	2.42
(1,121)	1:473:A:MET:H	1:473:A:MET:HG2	3	2.42
(1,102)	1:478:A:VAL:HA	1:479:A:GLN:H	1	2.42
(1,99)	1:407:A:LEU:H	1:451:A:VAL:H	19	2.42
(1,95)	1:450:A:PHE:HA	1:451:A:VAL:H	12	2.42
(1,86)	1:480:A:LEU:HA	1:481:A:LYS:H	13	2.42
(1,80)	1:433:A:SER:HA	1:434:A:ALA:H	10	2.42
(1,80)	1:433:A:SER:HA	1:434:A:ALA:H	13	2.42
(1,77)	1:445:A:SER:HA	1:446:A:LYS:H	18	2.42
(1,70)	1:413:A:PRO:HB2	1:414:A:GLN:H	1	2.42
(1,70)	1:413:A:PRO:HB3	1:414:A:GLN:H	1	2.42
(1,45)	1:438:A:ILE:HA	1:439:A:ASP:H	8	2.42
(1,10)	1:430:A:ASN:HA	1:431:A:VAL:H	14	2.42
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD1	19	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD2	19	2.41
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD1	19	2.41
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD2	19	2.41
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	4	2.41
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	4	2.41
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD2	15	2.41
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD3	15	2.41
(1,1496)	1:486:A:ASP:HA	1:486:A:ASP:HB3	2	2.41
(1,1496)	1:486:A:ASP:HA	1:486:A:ASP:HB3	17	2.41
(1,1495)	1:486:A:ASP:HA	1:486:A:ASP:HB2	6	2.41
(1,1495)	1:486:A:ASP:HA	1:486:A:ASP:HB2	7	2.41
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD2	15	2.41
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD3	15	2.41
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG2	20	2.41
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG3	20	2.41
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG11	8	2.41
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG12	8	2.41
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG13	8	2.41
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	1	2.41
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	1	2.41
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	1	2.41
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	1	2.41
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	2	2.41
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	2	2.41
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	2	2.41
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	2	2.41
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	12	2.41
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	12	2.41
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	12	2.41
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	12	2.41
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG11	8	2.41
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG12	8	2.41
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG13	8	2.41
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD11	14	2.41
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD12	14	2.41
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD13	14	2.41
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD21	14	2.41
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD22	14	2.41
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD23	14	2.41
(1,1250)	1:480:A:LEU:HB2	1:480:A:LEU:HG	10	2.41
(1,1250)	1:480:A:LEU:HB3	1:480:A:LEU:HG	10	2.41
(1,1250)	1:480:A:LEU:HB2	1:480:A:LEU:HG	11	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1250)	1:480:A:LEU:HB3	1:480:A:LEU:HG	11	2.41
(1,1223)	1:423:A:GLN:HB2	1:424:A:MET:H	1	2.41
(1,1223)	1:423:A:GLN:HB3	1:424:A:MET:H	1	2.41
(1,1223)	1:423:A:GLN:HB2	1:424:A:MET:H	10	2.41
(1,1223)	1:423:A:GLN:HB3	1:424:A:MET:H	10	2.41
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD2	8	2.41
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD3	8	2.41
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	11	2.41
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	11	2.41
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	11	2.41
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	11	2.41
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	17	2.41
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	17	2.41
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	17	2.41
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	17	2.41
(1,1198)	1:441:A:GLN:HB2	1:441:A:GLN:HG2	2	2.41
(1,1198)	1:441:A:GLN:HB2	1:441:A:GLN:HG2	8	2.41
(1,1178)	1:407:A:LEU:HA	1:408:A:PHE:H	4	2.41
(1,1178)	1:407:A:LEU:HA	1:408:A:PHE:H	7	2.41
(1,1178)	1:407:A:LEU:HA	1:408:A:PHE:H	8	2.41
(1,1170)	1:486:A:ASP:HA	1:486:A:ASP:HB3	2	2.41
(1,1170)	1:486:A:ASP:HA	1:486:A:ASP:HB3	17	2.41
(1,1144)	1:474:A:LYS:HA	1:475:A:ARG:H	6	2.41
(1,1144)	1:474:A:LYS:HA	1:475:A:ARG:H	11	2.41
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG2	9	2.41
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG3	9	2.41
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG2	7	2.41
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG3	7	2.41
(1,1093)	1:403:A:GLU:HA	1:404:A:GLY:H	13	2.41
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	10	2.41
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	10	2.41
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	10	2.41
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	10	2.41
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	10	2.41
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	10	2.41
(1,979)	1:413:A:PRO:HA	1:414:A:GLN:H	5	2.41
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	3	2.41
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	3	2.41
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	3	2.41
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	3	2.41
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	3	2.41
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	16	2.41
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	16	2.41
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	16	2.41
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	16	2.41
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	16	2.41
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	16	2.41
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG21	18	2.41
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG22	18	2.41
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG23	18	2.41
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	9	2.41
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	9	2.41
(1,896)	1:462:A:ALA:HB1	1:463:A:ILE:H	7	2.41
(1,896)	1:462:A:ALA:HB2	1:463:A:ILE:H	7	2.41
(1,896)	1:462:A:ALA:HB3	1:463:A:ILE:H	7	2.41
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB2	2	2.41
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB3	2	2.41
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB2	16	2.41
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB3	16	2.41
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG21	18	2.41
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG22	18	2.41
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG23	18	2.41
(1,857)	1:409:A:ILE:HG21	1:410:A:TYR:H	12	2.41
(1,857)	1:409:A:ILE:HG22	1:410:A:TYR:H	12	2.41
(1,857)	1:409:A:ILE:HG23	1:410:A:TYR:H	12	2.41
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB1	3	2.41
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB2	3	2.41
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB3	3	2.41
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB1	14	2.41
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB2	14	2.41
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB3	14	2.41
(1,788)	1:478:A:VAL:HG11	1:479:A:GLN:H	6	2.41
(1,788)	1:478:A:VAL:HG12	1:479:A:GLN:H	6	2.41
(1,788)	1:478:A:VAL:HG13	1:479:A:GLN:H	6	2.41
(1,710)	1:478:A:VAL:HG21	1:479:A:GLN:H	18	2.41
(1,710)	1:478:A:VAL:HG22	1:479:A:GLN:H	18	2.41
(1,710)	1:478:A:VAL:HG23	1:479:A:GLN:H	18	2.41
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG2	13	2.41
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG3	13	2.41
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	1	2.41
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	1	2.41
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	1	2.41
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	1	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	2	2.41
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	2	2.41
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	2	2.41
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	2	2.41
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	12	2.41
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	12	2.41
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	12	2.41
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	12	2.41
(1,661)	1:480:A:LEU:HB2	1:480:A:LEU:HG	10	2.41
(1,661)	1:480:A:LEU:HB3	1:480:A:LEU:HG	10	2.41
(1,661)	1:480:A:LEU:HB2	1:480:A:LEU:HG	11	2.41
(1,661)	1:480:A:LEU:HB3	1:480:A:LEU:HG	11	2.41
(1,585)	1:428:A:PHE:H	1:428:A:PHE:HB2	7	2.41
(1,585)	1:428:A:PHE:H	1:428:A:PHE:HB2	17	2.41
(1,565)	1:410:A:TYR:HB2	1:411:A:HIS:H	3	2.41
(1,562)	1:410:A:TYR:HA	1:411:A:HIS:H	17	2.41
(1,562)	1:410:A:TYR:HA	1:411:A:HIS:H	18	2.41
(1,554)	1:425:A:PHE:H	1:425:A:PHE:HB2	19	2.41
(1,552)	1:424:A:MET:H	1:425:A:PHE:H	9	2.41
(1,535)	1:453:A:TYR:HA	1:454:A:ASP:H	5	2.41
(1,534)	1:453:A:TYR:HD1	1:454:A:ASP:H	15	2.41
(1,534)	1:453:A:TYR:HD2	1:454:A:ASP:H	15	2.41
(1,519)	1:432:A:ILE:H	1:433:A:SER:H	7	2.41
(1,512)	1:454:A:ASP:HB3	1:455:A:ASN:H	17	2.41
(1,502)	1:411:A:HIS:H	1:412:A:LEU:H	14	2.41
(1,471)	1:423:A:GLN:HB2	1:424:A:MET:H	1	2.41
(1,471)	1:423:A:GLN:HB3	1:424:A:MET:H	1	2.41
(1,471)	1:423:A:GLN:HB2	1:424:A:MET:H	10	2.41
(1,471)	1:423:A:GLN:HB3	1:424:A:MET:H	10	2.41
(1,451)	1:460:A:GLN:H	1:480:A:LEU:HG	8	2.41
(1,426)	1:442:A:THR:H	1:443:A:ASN:H	6	2.41
(1,383)	1:444:A:LEU:H	1:444:A:LEU:HB2	20	2.41
(1,364)	1:467:A:ASN:HA	1:468:A:GLY:H	2	2.41
(1,360)	1:463:A:ILE:H	1:463:A:ILE:HB	4	2.41
(1,345)	1:407:A:LEU:HA	1:408:A:PHE:H	4	2.41
(1,345)	1:407:A:LEU:HA	1:408:A:PHE:H	7	2.41
(1,345)	1:407:A:LEU:HA	1:408:A:PHE:H	8	2.41
(1,322)	1:451:A:VAL:HA	1:452:A:SER:H	5	2.41
(1,308)	1:474:A:LYS:HA	1:475:A:ARG:H	6	2.41
(1,308)	1:474:A:LYS:HA	1:475:A:ARG:H	11	2.41
(1,162)	1:479:A:GLN:HA	1:480:A:LEU:H	1	2.41
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB2	13	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB3	13	2.41
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB2	18	2.41
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB3	18	2.41
(1,118)	1:478:A:VAL:HG21	1:479:A:GLN:H	18	2.41
(1,118)	1:478:A:VAL:HG22	1:479:A:GLN:H	18	2.41
(1,118)	1:478:A:VAL:HG23	1:479:A:GLN:H	18	2.41
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB2	9	2.41
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB3	9	2.41
(1,88)	1:481:A:LYS:H	1:481:A:LYS:HB3	15	2.41
(1,88)	1:481:A:LYS:H	1:481:A:LYS:HB3	18	2.41
(1,86)	1:480:A:LEU:HA	1:481:A:LYS:H	15	2.41
(1,80)	1:433:A:SER:HA	1:434:A:ALA:H	4	2.41
(1,80)	1:433:A:SER:HA	1:434:A:ALA:H	15	2.41
(1,77)	1:445:A:SER:HA	1:446:A:LYS:H	11	2.41
(1,75)	1:446:A:LYS:H	1:447:A:CYS:H	13	2.41
(1,68)	1:413:A:PRO:HA	1:414:A:GLN:H	5	2.41
(1,53)	1:471:A:ILE:H	1:471:A:ILE:HB	1	2.41
(1,47)	1:439:A:ASP:H	1:439:A:ASP:HB3	5	2.41
(1,47)	1:439:A:ASP:H	1:439:A:ASP:HB3	11	2.41
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB2	6	2.41
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB3	6	2.41
(1,10)	1:430:A:ASN:HA	1:431:A:VAL:H	2	2.41
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG21	9	2.41
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG22	9	2.41
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG23	9	2.41
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	9	2.4
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	9	2.4
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	9	2.4
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	9	2.4
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	9	2.4
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	9	2.4
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB2	12	2.4
(1,1524)	1:464:A:GLN:HA	1:464:A:GLN:HB3	12	2.4
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	17	2.4
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	17	2.4
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD2	2	2.4
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD3	2	2.4
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD2	2	2.4
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD3	2	2.4
(1,1465)	1:423:A:GLN:HB2	1:423:A:GLN:HG2	15	2.4
(1,1465)	1:423:A:GLN:HB3	1:423:A:GLN:HG2	15	2.4
(1,1455)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	5	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1454)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	8	2.4
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	7	2.4
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	7	2.4
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG11	10	2.4
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG12	10	2.4
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG13	10	2.4
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG11	10	2.4
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG12	10	2.4
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG13	10	2.4
(1,1223)	1:423:A:GLN:HB2	1:424:A:MET:H	18	2.4
(1,1223)	1:423:A:GLN:HB3	1:424:A:MET:H	18	2.4
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	8	2.4
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	8	2.4
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	8	2.4
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	8	2.4
(1,1178)	1:407:A:LEU:HA	1:408:A:PHE:H	16	2.4
(1,1137)	1:446:A:LYS:HB2	1:489:A:PRO:HD2	8	2.4
(1,1137)	1:446:A:LYS:HB3	1:489:A:PRO:HD2	8	2.4
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG2	12	2.4
(1,1124)	1:419:A:GLN:HB2	1:419:A:GLN:HG3	12	2.4
(1,1102)	1:441:A:GLN:HB2	1:441:A:GLN:HG3	11	2.4
(1,1102)	1:441:A:GLN:HB2	1:441:A:GLN:HG3	12	2.4
(1,1093)	1:403:A:GLU:HA	1:404:A:GLY:H	4	2.4
(1,1093)	1:403:A:GLU:HA	1:404:A:GLY:H	6	2.4
(1,1093)	1:403:A:GLU:HA	1:404:A:GLY:H	16	2.4
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	5	2.4
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	5	2.4
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	5	2.4
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	5	2.4
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	5	2.4
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	5	2.4
(1,1000)	1:467:A:ASN:H	1:467:A:ASN:HB2	14	2.4
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	12	2.4
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	12	2.4
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	12	2.4
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	12	2.4
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	12	2.4
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	12	2.4
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	7	2.4
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	7	2.4
(1,857)	1:409:A:ILE:HG21	1:410:A:TYR:H	11	2.4
(1,857)	1:409:A:ILE:HG22	1:410:A:TYR:H	11	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:409:A:ILE:HG23	1:410:A:TYR:H	11	2.4
(1,809)	1:434:A:ALA:HB1	1:435:A:LYS:H	1	2.4
(1,809)	1:434:A:ALA:HB2	1:435:A:LYS:H	1	2.4
(1,809)	1:434:A:ALA:HB3	1:435:A:LYS:H	1	2.4
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG2	6	2.4
(1,686)	1:481:A:LYS:HB3	1:481:A:LYS:HG3	6	2.4
(1,642)	1:439:A:ASP:HB3	1:444:A:LEU:HG	15	2.4
(1,574)	1:466:A:MET:H	1:466:A:MET:HB2	6	2.4
(1,574)	1:466:A:MET:H	1:466:A:MET:HB3	6	2.4
(1,565)	1:410:A:TYR:HB2	1:411:A:HIS:H	20	2.4
(1,562)	1:410:A:TYR:HA	1:411:A:HIS:H	19	2.4
(1,519)	1:432:A:ILE:H	1:433:A:SER:H	9	2.4
(1,502)	1:411:A:HIS:H	1:412:A:LEU:H	15	2.4
(1,476)	1:445:A:SER:H	1:445:A:SER:HB2	2	2.4
(1,471)	1:423:A:GLN:HB2	1:424:A:MET:H	18	2.4
(1,471)	1:423:A:GLN:HB3	1:424:A:MET:H	18	2.4
(1,414)	1:441:A:GLN:H	1:441:A:GLN:HG3	17	2.4
(1,378)	1:443:A:ASN:HA	1:444:A:LEU:H	1	2.4
(1,364)	1:467:A:ASN:HA	1:468:A:GLY:H	18	2.4
(1,364)	1:467:A:ASN:HA	1:468:A:GLY:H	20	2.4
(1,347)	1:408:A:PHE:H	1:408:A:PHE:HB2	3	2.4
(1,347)	1:408:A:PHE:H	1:408:A:PHE:HB2	11	2.4
(1,347)	1:408:A:PHE:H	1:408:A:PHE:HB2	18	2.4
(1,345)	1:407:A:LEU:HA	1:408:A:PHE:H	16	2.4
(1,326)	1:402:A:PRO:HB2	1:403:A:GLU:H	20	2.4
(1,326)	1:402:A:PRO:HB3	1:403:A:GLU:H	20	2.4
(1,312)	1:474:A:LYS:HB3	1:475:A:ARG:H	18	2.4
(1,268)	1:457:A:VAL:H	1:458:A:SER:H	17	2.4
(1,257)	1:434:A:ALA:HB1	1:435:A:LYS:H	1	2.4
(1,257)	1:434:A:ALA:HB2	1:435:A:LYS:H	1	2.4
(1,257)	1:434:A:ALA:HB3	1:435:A:LYS:H	1	2.4
(1,203)	1:416:A:PHE:H	1:416:A:PHE:HB2	1	2.4
(1,203)	1:416:A:PHE:H	1:416:A:PHE:HB2	18	2.4
(1,153)	1:406:A:ASN:HA	1:407:A:LEU:H	6	2.4
(1,129)	1:469:A:PHE:H	1:469:A:PHE:HB3	17	2.4
(1,125)	1:468:A:GLY:H	1:469:A:PHE:H	15	2.4
(1,95)	1:450:A:PHE:HA	1:451:A:VAL:H	2	2.4
(1,86)	1:480:A:LEU:HA	1:481:A:LYS:H	20	2.4
(1,80)	1:433:A:SER:HA	1:434:A:ALA:H	5	2.4
(1,80)	1:433:A:SER:HA	1:434:A:ALA:H	7	2.4
(1,80)	1:433:A:SER:HA	1:434:A:ALA:H	18	2.4
(1,34)	1:477:A:LYS:HA	1:478:A:VAL:H	13	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB2	17	2.4
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB3	17	2.4
(1,14)	1:431:A:VAL:HA	1:432:A:ILE:H	11	2.4
(1,10)	1:430:A:ASN:HA	1:431:A:VAL:H	5	2.4
(1,10)	1:430:A:ASN:HA	1:431:A:VAL:H	10	2.4
(1,1490)	1:438:A:ILE:HG21	1:443:A:ASN:HA	7	2.39
(1,1490)	1:438:A:ILE:HG22	1:443:A:ASN:HA	7	2.39
(1,1490)	1:438:A:ILE:HG23	1:443:A:ASN:HA	7	2.39
(1,1474)	1:398:A:GLN:HB2	1:398:A:GLN:HG2	19	2.39
(1,1474)	1:398:A:GLN:HB3	1:398:A:GLN:HG2	19	2.39
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD2	7	2.39
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD3	7	2.39
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD2	7	2.39
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD3	7	2.39
(1,1455)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	9	2.39
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG2	11	2.39
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG3	11	2.39
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG2	19	2.39
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG3	19	2.39
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG2	17	2.39
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG3	17	2.39
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG21	14	2.39
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG22	14	2.39
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG23	14	2.39
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG21	16	2.39
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG22	16	2.39
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG23	16	2.39
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	19	2.39
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	19	2.39
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	19	2.39
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	19	2.39
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	19	2.39
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	19	2.39
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG12	5	2.39
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG13	5	2.39
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG12	19	2.39
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG13	19	2.39
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG21	14	2.39
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG22	14	2.39
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG23	14	2.39
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG21	16	2.39
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG22	16	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG23	16	2.39
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB1	10	2.39
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB2	10	2.39
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB3	10	2.39
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB1	10	2.39
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB2	10	2.39
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB3	10	2.39
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB1	10	2.39
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB2	10	2.39
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB3	10	2.39
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB1	10	2.39
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB2	10	2.39
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB3	10	2.39
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB1	10	2.39
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB2	10	2.39
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB3	10	2.39
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB1	10	2.39
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB2	10	2.39
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB3	10	2.39
(1,1250)	1:480:A:LEU:HB2	1:480:A:LEU:HG	13	2.39
(1,1250)	1:480:A:LEU:HB3	1:480:A:LEU:HG	13	2.39
(1,1250)	1:480:A:LEU:HB2	1:480:A:LEU:HG	19	2.39
(1,1250)	1:480:A:LEU:HB3	1:480:A:LEU:HG	19	2.39
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG2	19	2.39
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG3	19	2.39
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD2	16	2.39
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD3	16	2.39
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	7	2.39
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	7	2.39
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	7	2.39
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	7	2.39
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB2	2	2.39
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB3	2	2.39
(1,1198)	1:441:A:GLN:HB2	1:441:A:GLN:HG2	14	2.39
(1,1178)	1:407:A:LEU:HA	1:408:A:PHE:H	19	2.39
(1,1144)	1:474:A:LYS:HA	1:475:A:ARG:H	9	2.39
(1,1144)	1:474:A:LYS:HA	1:475:A:ARG:H	19	2.39
(1,1144)	1:474:A:LYS:HA	1:475:A:ARG:H	20	2.39
(1,1102)	1:441:A:GLN:HB2	1:441:A:GLN:HG3	16	2.39
(1,1100)	1:474:A:LYS:HB2	1:475:A:ARG:H	17	2.39
(1,1100)	1:474:A:LYS:HB3	1:475:A:ARG:H	17	2.39
(1,1093)	1:403:A:GLU:HA	1:404:A:GLY:H	9	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD11	3	2.39
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD12	3	2.39
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD13	3	2.39
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD11	11	2.39
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD12	11	2.39
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD13	11	2.39
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD11	14	2.39
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD12	14	2.39
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD13	14	2.39
(1,1015)	1:478:A:VAL:HA	1:479:A:GLN:H	10	2.39
(1,1015)	1:478:A:VAL:HA	1:479:A:GLN:H	20	2.39
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	6	2.39
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	6	2.39
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	6	2.39
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	6	2.39
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	6	2.39
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	6	2.39
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	6	2.39
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	6	2.39
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	6	2.39
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	10	2.39
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	10	2.39
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	10	2.39
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	10	2.39
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	10	2.39
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	10	2.39
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	16	2.39
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	16	2.39
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	16	2.39
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	16	2.39
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	16	2.39
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	16	2.39
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB1	1	2.39
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB2	1	2.39
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB3	1	2.39
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG12	5	2.39
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG13	5	2.39
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG12	19	2.39
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG13	19	2.39
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB1	9	2.39
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB2	9	2.39
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB3	9	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB1	18	2.39
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB2	18	2.39
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB3	18	2.39
(1,809)	1:434:A:ALA:HB1	1:435:A:LYS:H	10	2.39
(1,809)	1:434:A:ALA:HB2	1:435:A:LYS:H	10	2.39
(1,809)	1:434:A:ALA:HB3	1:435:A:LYS:H	10	2.39
(1,661)	1:480:A:LEU:HB2	1:480:A:LEU:HG	13	2.39
(1,661)	1:480:A:LEU:HB3	1:480:A:LEU:HG	13	2.39
(1,661)	1:480:A:LEU:HB2	1:480:A:LEU:HG	19	2.39
(1,661)	1:480:A:LEU:HB3	1:480:A:LEU:HG	19	2.39
(1,640)	1:466:A:MET:HG2	1:476:A:LEU:HG	13	2.39
(1,640)	1:466:A:MET:HG3	1:476:A:LEU:HG	13	2.39
(1,562)	1:410:A:TYR:HA	1:411:A:HIS:H	16	2.39
(1,535)	1:453:A:TYR:HA	1:454:A:ASP:H	13	2.39
(1,519)	1:432:A:ILE:H	1:433:A:SER:H	8	2.39
(1,493)	1:413:A:PRO:HB2	1:415:A:GLU:H	17	2.39
(1,493)	1:413:A:PRO:HB3	1:415:A:GLU:H	17	2.39
(1,474)	1:444:A:LEU:HA	1:445:A:SER:H	17	2.39
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB2	14	2.39
(1,464)	1:423:A:GLN:H	1:423:A:GLN:HB3	14	2.39
(1,444)	1:419:A:GLN:H	1:420:A:ASP:H	9	2.39
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB2	5	2.39
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB3	5	2.39
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB2	15	2.39
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB3	15	2.39
(1,364)	1:467:A:ASN:HA	1:468:A:GLY:H	6	2.39
(1,364)	1:467:A:ASN:HA	1:468:A:GLY:H	16	2.39
(1,347)	1:408:A:PHE:H	1:408:A:PHE:HB2	4	2.39
(1,345)	1:407:A:LEU:HA	1:408:A:PHE:H	19	2.39
(1,322)	1:451:A:VAL:HA	1:452:A:SER:H	6	2.39
(1,322)	1:451:A:VAL:HA	1:452:A:SER:H	11	2.39
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG2	19	2.39
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG3	19	2.39
(1,308)	1:474:A:LYS:HA	1:475:A:ARG:H	9	2.39
(1,308)	1:474:A:LYS:HA	1:475:A:ARG:H	19	2.39
(1,308)	1:474:A:LYS:HA	1:475:A:ARG:H	20	2.39
(1,268)	1:457:A:VAL:H	1:458:A:SER:H	14	2.39
(1,257)	1:434:A:ALA:HB1	1:435:A:LYS:H	10	2.39
(1,257)	1:434:A:ALA:HB2	1:435:A:LYS:H	10	2.39
(1,257)	1:434:A:ALA:HB3	1:435:A:LYS:H	10	2.39
(1,237)	1:400:A:GLU:H	1:400:A:GLU:HG3	12	2.39
(1,201)	1:415:A:GLU:H	1:416:A:PHE:H	19	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB2	2	2.39
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB3	2	2.39
(1,162)	1:479:A:GLN:HA	1:480:A:LEU:H	4	2.39
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB2	11	2.39
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB3	11	2.39
(1,153)	1:406:A:ASN:HA	1:407:A:LEU:H	13	2.39
(1,153)	1:406:A:ASN:HA	1:407:A:LEU:H	19	2.39
(1,129)	1:469:A:PHE:H	1:469:A:PHE:HB3	16	2.39
(1,129)	1:469:A:PHE:H	1:469:A:PHE:HB3	20	2.39
(1,102)	1:478:A:VAL:HA	1:479:A:GLN:H	10	2.39
(1,102)	1:478:A:VAL:HA	1:479:A:GLN:H	20	2.39
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG11	9	2.39
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG12	9	2.39
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG13	9	2.39
(1,95)	1:450:A:PHE:HA	1:451:A:VAL:H	13	2.39
(1,80)	1:433:A:SER:HA	1:434:A:ALA:H	1	2.39
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB2	8	2.39
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB3	8	2.39
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB2	11	2.39
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB3	11	2.39
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG21	2	2.39
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG22	2	2.39
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG23	2	2.39
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	4	2.38
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	4	2.38
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	4	2.38
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	4	2.38
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	4	2.38
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	4	2.38
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	20	2.38
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	20	2.38
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	20	2.38
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	20	2.38
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	20	2.38
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	20	2.38
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	20	2.38
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	20	2.38
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	20	2.38
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	20	2.38
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	20	2.38
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	20	2.38
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD1	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD2	6	2.38
(1,1460)	1:423:A:GLN:HA	1:423:A:GLN:HG3	1	2.38
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG2	6	2.38
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG3	6	2.38
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD11	14	2.38
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD12	14	2.38
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD13	14	2.38
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD11	14	2.38
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD12	14	2.38
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD13	14	2.38
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG11	1	2.38
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG12	1	2.38
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG13	1	2.38
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG11	2	2.38
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG12	2	2.38
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG13	2	2.38
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG11	14	2.38
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG12	14	2.38
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG13	14	2.38
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	15	2.38
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	15	2.38
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	15	2.38
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	15	2.38
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	15	2.38
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	15	2.38
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB1	10	2.38
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB2	10	2.38
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB3	10	2.38
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	19	2.38
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	19	2.38
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	19	2.38
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	19	2.38
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	19	2.38
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	19	2.38
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	19	2.38
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	19	2.38
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	19	2.38
(1,1359)	1:475:A:ARG:HB2	1:475:A:ARG:HD2	16	2.38
(1,1359)	1:475:A:ARG:HB3	1:475:A:ARG:HD2	16	2.38
(1,1359)	1:475:A:ARG:HB2	1:475:A:ARG:HD2	18	2.38
(1,1359)	1:475:A:ARG:HB3	1:475:A:ARG:HD2	18	2.38
(1,1342)	1:405:A:ALA:HB1	1:453:A:TYR:HB3	12	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1342)	1:405:A:ALA:HB2	1:453:A:TYR:HB3	12	2.38
(1,1342)	1:405:A:ALA:HB3	1:453:A:TYR:HB3	12	2.38
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG11	4	2.38
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG12	4	2.38
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG13	4	2.38
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG11	4	2.38
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG12	4	2.38
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG13	4	2.38
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG11	1	2.38
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG12	1	2.38
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG13	1	2.38
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG11	2	2.38
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG12	2	2.38
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG13	2	2.38
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG11	14	2.38
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG12	14	2.38
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG13	14	2.38
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	4	2.38
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	4	2.38
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	4	2.38
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	4	2.38
(1,1250)	1:480:A:LEU:HB2	1:480:A:LEU:HG	6	2.38
(1,1250)	1:480:A:LEU:HB3	1:480:A:LEU:HG	6	2.38
(1,1228)	1:455:A:ASN:HA	1:456:A:PRO:HD3	9	2.38
(1,1228)	1:455:A:ASN:HA	1:456:A:PRO:HD3	11	2.38
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD2	10	2.38
(1,1216)	1:474:A:LYS:HG3	1:474:A:LYS:HD3	10	2.38
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	18	2.38
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	18	2.38
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	18	2.38
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	18	2.38
(1,1178)	1:407:A:LEU:HA	1:408:A:PHE:H	9	2.38
(1,1144)	1:474:A:LYS:HA	1:475:A:ARG:H	14	2.38
(1,1112)	1:423:A:GLN:HA	1:423:A:GLN:HG3	1	2.38
(1,1111)	1:423:A:GLN:HA	1:423:A:GLN:HG2	2	2.38
(1,1093)	1:403:A:GLU:HA	1:404:A:GLY:H	14	2.38
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD11	17	2.38
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD12	17	2.38
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD13	17	2.38
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD11	14	2.38
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD12	14	2.38
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD13	14	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1015)	1:478:A:VAL:HA	1:479:A:GLN:H	14	2.38
(1,1000)	1:467:A:ASN:H	1:467:A:ASN:HB2	10	2.38
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	14	2.38
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	14	2.38
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	14	2.38
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	14	2.38
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	14	2.38
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	14	2.38
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	14	2.38
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	14	2.38
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	14	2.38
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	20	2.38
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	20	2.38
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	20	2.38
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	20	2.38
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	20	2.38
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	20	2.38
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	20	2.38
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	20	2.38
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	20	2.38
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	20	2.38
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	20	2.38
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	20	2.38
(1,880)	1:480:A:LEU:HB2	1:481:A:LYS:H	16	2.38
(1,880)	1:480:A:LEU:HB3	1:481:A:LYS:H	16	2.38
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	20	2.38
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	20	2.38
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	20	2.38
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	20	2.38
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	20	2.38
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	20	2.38
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	20	2.38
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	20	2.38
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	20	2.38
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB1	17	2.38
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB2	17	2.38
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB3	17	2.38
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB1	11	2.38
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB2	11	2.38
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB3	11	2.38
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB1	19	2.38
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB2	19	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB3	19	2.38
(1,809)	1:434:A:ALA:HB1	1:435:A:LYS:H	6	2.38
(1,809)	1:434:A:ALA:HB2	1:435:A:LYS:H	6	2.38
(1,809)	1:434:A:ALA:HB3	1:435:A:LYS:H	6	2.38
(1,788)	1:478:A:VAL:HG11	1:479:A:GLN:H	19	2.38
(1,788)	1:478:A:VAL:HG12	1:479:A:GLN:H	19	2.38
(1,788)	1:478:A:VAL:HG13	1:479:A:GLN:H	19	2.38
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG11	14	2.38
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG12	14	2.38
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG13	14	2.38
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG2	18	2.38
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG3	18	2.38
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	4	2.38
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	4	2.38
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	4	2.38
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	4	2.38
(1,661)	1:480:A:LEU:HB2	1:480:A:LEU:HG	6	2.38
(1,661)	1:480:A:LEU:HB3	1:480:A:LEU:HG	6	2.38
(1,599)	1:428:A:PHE:H	1:429:A:GLY:H	20	2.38
(1,585)	1:428:A:PHE:H	1:428:A:PHE:HB2	1	2.38
(1,585)	1:428:A:PHE:H	1:428:A:PHE:HB2	13	2.38
(1,519)	1:432:A:ILE:H	1:433:A:SER:H	10	2.38
(1,475)	1:445:A:SER:H	1:445:A:SER:HB3	2	2.38
(1,472)	1:424:A:MET:H	1:424:A:MET:HB2	18	2.38
(1,472)	1:424:A:MET:H	1:424:A:MET:HB3	18	2.38
(1,462)	1:423:A:GLN:H	1:424:A:MET:H	2	2.38
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB2	2	2.38
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB3	2	2.38
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB2	8	2.38
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB3	8	2.38
(1,414)	1:441:A:GLN:H	1:441:A:GLN:HG3	11	2.38
(1,382)	1:444:A:LEU:H	1:444:A:LEU:HB3	14	2.38
(1,364)	1:467:A:ASN:HA	1:468:A:GLY:H	4	2.38
(1,355)	1:462:A:ALA:H	1:463:A:ILE:H	9	2.38
(1,345)	1:407:A:LEU:HA	1:408:A:PHE:H	9	2.38
(1,333)	1:467:A:ASN:H	1:467:A:ASN:HB3	20	2.38
(1,322)	1:451:A:VAL:HA	1:452:A:SER:H	1	2.38
(1,318)	1:473:A:MET:H	1:474:A:LYS:H	5	2.38
(1,308)	1:474:A:LYS:HA	1:475:A:ARG:H	14	2.38
(1,268)	1:457:A:VAL:H	1:458:A:SER:H	10	2.38
(1,257)	1:434:A:ALA:HB1	1:435:A:LYS:H	6	2.38
(1,257)	1:434:A:ALA:HB2	1:435:A:LYS:H	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,257)	1:434:A:ALA:HB3	1:435:A:LYS:H	6	2.38
(1,211)	1:462:A:ALA:H	1:463:A:ILE:H	9	2.38
(1,203)	1:416:A:PHE:H	1:416:A:PHE:HB2	4	2.38
(1,203)	1:416:A:PHE:H	1:416:A:PHE:HB2	13	2.38
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB2	12	2.38
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB3	12	2.38
(1,162)	1:479:A:GLN:HA	1:480:A:LEU:H	2	2.38
(1,162)	1:479:A:GLN:HA	1:480:A:LEU:H	15	2.38
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB2	15	2.38
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB3	15	2.38
(1,153)	1:406:A:ASN:HA	1:407:A:LEU:H	5	2.38
(1,129)	1:469:A:PHE:H	1:469:A:PHE:HB3	1	2.38
(1,119)	1:473:A:MET:H	1:474:A:LYS:H	5	2.38
(1,102)	1:478:A:VAL:HA	1:479:A:GLN:H	14	2.38
(1,95)	1:450:A:PHE:HA	1:451:A:VAL:H	10	2.38
(1,86)	1:480:A:LEU:HA	1:481:A:LYS:H	3	2.38
(1,86)	1:480:A:LEU:HA	1:481:A:LYS:H	7	2.38
(1,80)	1:433:A:SER:HA	1:434:A:ALA:H	17	2.38
(1,70)	1:413:A:PRO:HB2	1:414:A:GLN:H	9	2.38
(1,70)	1:413:A:PRO:HB3	1:414:A:GLN:H	9	2.38
(1,46)	1:439:A:ASP:H	1:439:A:ASP:HB2	5	2.38
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB2	1	2.38
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB3	1	2.38
(1,14)	1:431:A:VAL:HA	1:432:A:ILE:H	15	2.38
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG21	11	2.38
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG22	11	2.38
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG23	11	2.38
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	19	2.37
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	19	2.37
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	19	2.37
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	19	2.37
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	19	2.37
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	19	2.37
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	10	2.37
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	10	2.37
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	10	2.37
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	10	2.37
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	10	2.37
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	10	2.37
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	10	2.37
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	10	2.37
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	10	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	10	2.37
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	10	2.37
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	10	2.37
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	3	2.37
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	3	2.37
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	3	2.37
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	3	2.37
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	3	2.37
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	3	2.37
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	9	2.37
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	9	2.37
(1,1503)	1:485:A:ASN:HA	1:485:A:ASN:HB2	11	2.37
(1,1500)	1:463:A:ILE:HG21	1:479:A:GLN:HA	2	2.37
(1,1500)	1:463:A:ILE:HG22	1:479:A:GLN:HA	2	2.37
(1,1500)	1:463:A:ILE:HG23	1:479:A:GLN:HA	2	2.37
(1,1496)	1:486:A:ASP:HA	1:486:A:ASP:HB3	20	2.37
(1,1495)	1:486:A:ASP:HA	1:486:A:ASP:HB2	13	2.37
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD2	11	2.37
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD3	11	2.37
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD2	11	2.37
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD3	11	2.37
(1,1454)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	18	2.37
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG21	8	2.37
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG22	8	2.37
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG23	8	2.37
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG21	15	2.37
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG22	15	2.37
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG23	15	2.37
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG11	7	2.37
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG12	7	2.37
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG13	7	2.37
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG21	17	2.37
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG22	17	2.37
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG23	17	2.37
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG12	3	2.37
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG13	3	2.37
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG12	6	2.37
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG13	6	2.37
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG21	8	2.37
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG22	8	2.37
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG23	8	2.37
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG21	15	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG22	15	2.37
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG23	15	2.37
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG11	3	2.37
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG12	3	2.37
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG13	3	2.37
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG11	3	2.37
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG12	3	2.37
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG13	3	2.37
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG11	13	2.37
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG12	13	2.37
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG13	13	2.37
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG11	13	2.37
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG12	13	2.37
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG13	13	2.37
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG11	7	2.37
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG12	7	2.37
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG13	7	2.37
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB1	13	2.37
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB2	13	2.37
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB3	13	2.37
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB1	13	2.37
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB2	13	2.37
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB3	13	2.37
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB1	13	2.37
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB2	13	2.37
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB3	13	2.37
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB1	13	2.37
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB2	13	2.37
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB3	13	2.37
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB1	13	2.37
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB2	13	2.37
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB3	13	2.37
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB1	13	2.37
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB2	13	2.37
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB3	13	2.37
(1,1228)	1:455:A:ASN:HA	1:456:A:PRO:HD3	3	2.37
(1,1223)	1:423:A:GLN:HB2	1:424:A:MET:H	2	2.37
(1,1223)	1:423:A:GLN:HB3	1:424:A:MET:H	2	2.37
(1,1214)	1:415:A:GLU:H	1:415:A:GLU:HB2	14	2.37
(1,1197)	1:441:A:GLN:HB2	1:442:A:THR:H	3	2.37
(1,1180)	1:463:A:ILE:HG21	1:479:A:GLN:HA	2	2.37
(1,1180)	1:463:A:ILE:HG22	1:479:A:GLN:HA	2	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1180)	1:463:A:ILE:HG23	1:479:A:GLN:HA	2	2.37
(1,1178)	1:407:A:LEU:HA	1:408:A:PHE:H	17	2.37
(1,1170)	1:486:A:ASP:HA	1:486:A:ASP:HB3	20	2.37
(1,1162)	1:453:A:TYR:HD1	1:459:A:ALA:HA	2	2.37
(1,1162)	1:453:A:TYR:HD2	1:459:A:ALA:HA	2	2.37
(1,1135)	1:400:A:GLU:HA	1:401:A:GLY:H	15	2.37
(1,1093)	1:403:A:GLU:HA	1:404:A:GLY:H	12	2.37
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD11	12	2.37
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD12	12	2.37
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD13	12	2.37
(1,1015)	1:478:A:VAL:HA	1:479:A:GLN:H	18	2.37
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	18	2.37
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	18	2.37
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	18	2.37
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	18	2.37
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	18	2.37
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	18	2.37
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	18	2.37
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	18	2.37
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	18	2.37
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	11	2.37
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	11	2.37
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	11	2.37
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	11	2.37
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	11	2.37
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	11	2.37
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG12	3	2.37
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG13	3	2.37
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG12	6	2.37
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG13	6	2.37
(1,836)	1:444:A:LEU:HB3	1:445:A:SER:H	9	2.37
(1,809)	1:434:A:ALA:HB1	1:435:A:LYS:H	12	2.37
(1,809)	1:434:A:ALA:HB2	1:435:A:LYS:H	12	2.37
(1,809)	1:434:A:ALA:HB3	1:435:A:LYS:H	12	2.37
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD11	20	2.37
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD12	20	2.37
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD13	20	2.37
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD21	20	2.37
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD22	20	2.37
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD23	20	2.37
(1,585)	1:428:A:PHE:H	1:428:A:PHE:HB2	3	2.37
(1,532)	1:416:A:PHE:HA	1:417:A:GLY:H	20	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,502)	1:411:A:HIS:H	1:412:A:LEU:H	8	2.37
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD11	9	2.37
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD12	9	2.37
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD13	9	2.37
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD21	9	2.37
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD22	9	2.37
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD23	9	2.37
(1,486)	1:406:A:ASN:H	1:406:A:ASN:HB2	12	2.37
(1,477)	1:444:A:LEU:HB3	1:445:A:SER:H	9	2.37
(1,471)	1:423:A:GLN:HB2	1:424:A:MET:H	2	2.37
(1,471)	1:423:A:GLN:HB3	1:424:A:MET:H	2	2.37
(1,462)	1:423:A:GLN:H	1:424:A:MET:H	12	2.37
(1,447)	1:419:A:GLN:H	1:419:A:GLN:HB3	15	2.37
(1,444)	1:419:A:GLN:H	1:420:A:ASP:H	14	2.37
(1,444)	1:419:A:GLN:H	1:420:A:ASP:H	20	2.37
(1,436)	1:420:A:ASP:H	1:421:A:ILE:H	6	2.37
(1,436)	1:420:A:ASP:H	1:421:A:ILE:H	13	2.37
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB2	3	2.37
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB3	3	2.37
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB2	18	2.37
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB3	18	2.37
(1,415)	1:441:A:GLN:H	1:441:A:GLN:HB3	5	2.37
(1,382)	1:444:A:LEU:H	1:444:A:LEU:HB3	19	2.37
(1,355)	1:462:A:ALA:H	1:463:A:ILE:H	3	2.37
(1,347)	1:408:A:PHE:H	1:408:A:PHE:HB2	7	2.37
(1,345)	1:407:A:LEU:HA	1:408:A:PHE:H	17	2.37
(1,322)	1:451:A:VAL:HA	1:452:A:SER:H	8	2.37
(1,322)	1:451:A:VAL:HA	1:452:A:SER:H	14	2.37
(1,318)	1:473:A:MET:H	1:474:A:LYS:H	2	2.37
(1,276)	1:458:A:SER:H	1:459:A:ALA:H	12	2.37
(1,268)	1:457:A:VAL:H	1:458:A:SER:H	16	2.37
(1,257)	1:434:A:ALA:HB1	1:435:A:LYS:H	12	2.37
(1,257)	1:434:A:ALA:HB2	1:435:A:LYS:H	12	2.37
(1,257)	1:434:A:ALA:HB3	1:435:A:LYS:H	12	2.37
(1,211)	1:462:A:ALA:H	1:463:A:ILE:H	3	2.37
(1,201)	1:415:A:GLU:H	1:416:A:PHE:H	2	2.37
(1,162)	1:479:A:GLN:HA	1:480:A:LEU:H	18	2.37
(1,153)	1:406:A:ASN:HA	1:407:A:LEU:H	11	2.37
(1,129)	1:469:A:PHE:H	1:469:A:PHE:HB3	7	2.37
(1,125)	1:468:A:GLY:H	1:469:A:PHE:H	8	2.37
(1,125)	1:468:A:GLY:H	1:469:A:PHE:H	12	2.37
(1,121)	1:473:A:MET:H	1:473:A:MET:HG2	12	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,119)	1:473:A:MET:H	1:474:A:LYS:H	2	2.37
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB2	6	2.37
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB3	6	2.37
(1,102)	1:478:A:VAL:HA	1:479:A:GLN:H	18	2.37
(1,86)	1:480:A:LEU:HA	1:481:A:LYS:H	4	2.37
(1,86)	1:480:A:LEU:HA	1:481:A:LYS:H	14	2.37
(1,80)	1:433:A:SER:HA	1:434:A:ALA:H	12	2.37
(1,70)	1:413:A:PRO:HB2	1:414:A:GLN:H	3	2.37
(1,70)	1:413:A:PRO:HB3	1:414:A:GLN:H	3	2.37
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG21	8	2.37
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG22	8	2.37
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG23	8	2.37
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG21	12	2.37
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG22	12	2.37
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG23	12	2.37
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG21	16	2.37
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG22	16	2.37
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG23	16	2.37
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD1	17	2.36
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD2	17	2.36
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	2	2.36
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	2	2.36
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	2	2.36
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	2	2.36
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	2	2.36
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	2	2.36
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	2	2.36
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	2	2.36
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	2	2.36
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	2	2.36
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	2	2.36
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	2	2.36
(1,1503)	1:485:A:ASN:HA	1:485:A:ASN:HB2	16	2.36
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD2	4	2.36
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD3	4	2.36
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD2	4	2.36
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD3	4	2.36
(1,1460)	1:423:A:GLN:HA	1:423:A:GLN:HG3	9	2.36
(1,1454)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	4	2.36
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD11	5	2.36
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD12	5	2.36
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD13	5	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG21	17	2.36
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG22	17	2.36
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG23	17	2.36
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD1	3	2.36
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD2	3	2.36
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD1	11	2.36
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD2	11	2.36
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD11	5	2.36
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD12	5	2.36
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD13	5	2.36
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG11	10	2.36
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG12	10	2.36
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG13	10	2.36
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG21	10	2.36
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG22	10	2.36
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG23	10	2.36
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	8	2.36
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	8	2.36
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	8	2.36
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	8	2.36
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	8	2.36
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	8	2.36
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB1	1	2.36
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB2	1	2.36
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB3	1	2.36
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB1	1	2.36
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB2	1	2.36
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB3	1	2.36
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB1	1	2.36
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB2	1	2.36
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB3	1	2.36
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	13	2.36
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	13	2.36
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	13	2.36
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	13	2.36
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	13	2.36
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	15	2.36
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	15	2.36
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG12	9	2.36
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG13	9	2.36
(1,1342)	1:405:A:ALA:HB1	1:453:A:TYR:HB3	4	2.36
(1,1342)	1:405:A:ALA:HB2	1:453:A:TYR:HB3	4	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1342)	1:405:A:ALA:HB3	1:453:A:TYR:HB3	4	2.36
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG21	17	2.36
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG22	17	2.36
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG23	17	2.36
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG11	10	2.36
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG12	10	2.36
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG13	10	2.36
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	16	2.36
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	16	2.36
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	16	2.36
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	16	2.36
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	16	2.36
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	16	2.36
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	16	2.36
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	16	2.36
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	16	2.36
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	16	2.36
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	16	2.36
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	16	2.36
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	16	2.36
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	16	2.36
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	16	2.36
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	16	2.36
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	16	2.36
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	16	2.36
(1,1250)	1:480:A:LEU:HB2	1:480:A:LEU:HG	20	2.36
(1,1250)	1:480:A:LEU:HB3	1:480:A:LEU:HG	20	2.36
(1,1197)	1:441:A:GLN:HB2	1:442:A:THR:H	12	2.36
(1,1197)	1:441:A:GLN:HB2	1:442:A:THR:H	13	2.36
(1,1197)	1:441:A:GLN:HB2	1:442:A:THR:H	16	2.36
(1,1144)	1:474:A:LYS:HA	1:475:A:ARG:H	16	2.36
(1,1135)	1:400:A:GLU:HA	1:401:A:GLY:H	9	2.36
(1,1112)	1:423:A:GLN:HA	1:423:A:GLN:HG3	9	2.36
(1,1110)	1:423:A:GLN:H	1:423:A:GLN:HG3	17	2.36
(1,1093)	1:403:A:GLU:HA	1:404:A:GLY:H	17	2.36
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD11	8	2.36
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD12	8	2.36
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD13	8	2.36
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD11	5	2.36
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD12	5	2.36
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD13	5	2.36
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	3	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	3	2.36
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	3	2.36
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	3	2.36
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	3	2.36
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	3	2.36
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	3	2.36
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	3	2.36
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	3	2.36
(1,932)	1:421:A:ILE:HG21	1:422:A:LEU:H	4	2.36
(1,932)	1:421:A:ILE:HG22	1:422:A:LEU:H	4	2.36
(1,932)	1:421:A:ILE:HG23	1:422:A:LEU:H	4	2.36
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	13	2.36
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	13	2.36
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	15	2.36
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	15	2.36
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG12	9	2.36
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG13	9	2.36
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	18	2.36
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	18	2.36
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	18	2.36
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	18	2.36
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	18	2.36
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	18	2.36
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	18	2.36
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	18	2.36
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	18	2.36
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	18	2.36
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	18	2.36
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	18	2.36
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	18	2.36
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	18	2.36
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	18	2.36
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	18	2.36
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	18	2.36
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	18	2.36
(1,809)	1:434:A:ALA:HB1	1:435:A:LYS:H	16	2.36
(1,809)	1:434:A:ALA:HB2	1:435:A:LYS:H	16	2.36
(1,809)	1:434:A:ALA:HB3	1:435:A:LYS:H	16	2.36
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG11	8	2.36
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG12	8	2.36
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG13	8	2.36
(1,661)	1:480:A:LEU:HB2	1:480:A:LEU:HG	20	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,661)	1:480:A:LEU:HB3	1:480:A:LEU:HG	20	2.36
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	18	2.36
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	18	2.36
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	18	2.36
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	18	2.36
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	18	2.36
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	18	2.36
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	18	2.36
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	18	2.36
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	18	2.36
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	18	2.36
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	18	2.36
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	18	2.36
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	18	2.36
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	18	2.36
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	18	2.36
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	18	2.36
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	18	2.36
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	18	2.36
(1,643)	1:410:A:TYR:HB2	1:412:A:LEU:HG	12	2.36
(1,599)	1:428:A:PHE:H	1:429:A:GLY:H	4	2.36
(1,562)	1:410:A:TYR:HA	1:411:A:HIS:H	7	2.36
(1,502)	1:411:A:HIS:H	1:412:A:LEU:H	4	2.36
(1,502)	1:411:A:HIS:H	1:412:A:LEU:H	13	2.36
(1,486)	1:406:A:ASN:H	1:406:A:ASN:HB2	13	2.36
(1,462)	1:423:A:GLN:H	1:424:A:MET:H	8	2.36
(1,444)	1:419:A:GLN:H	1:420:A:ASP:H	4	2.36
(1,444)	1:419:A:GLN:H	1:420:A:ASP:H	7	2.36
(1,395)	1:429:A:GLY:HA2	1:430:A:ASN:H	1	2.36
(1,383)	1:444:A:LEU:H	1:444:A:LEU:HB2	12	2.36
(1,378)	1:443:A:ASN:HA	1:444:A:LEU:H	6	2.36
(1,360)	1:463:A:ILE:H	1:463:A:ILE:HB	2	2.36
(1,347)	1:408:A:PHE:H	1:408:A:PHE:HB2	2	2.36
(1,347)	1:408:A:PHE:H	1:408:A:PHE:HB2	16	2.36
(1,333)	1:467:A:ASN:H	1:467:A:ASN:HB3	17	2.36
(1,322)	1:451:A:VAL:HA	1:452:A:SER:H	3	2.36
(1,322)	1:451:A:VAL:HA	1:452:A:SER:H	13	2.36
(1,322)	1:451:A:VAL:HA	1:452:A:SER:H	18	2.36
(1,308)	1:474:A:LYS:HA	1:475:A:ARG:H	16	2.36
(1,264)	1:409:A:ILE:H	1:450:A:PHE:HA	19	2.36
(1,257)	1:434:A:ALA:HB1	1:435:A:LYS:H	16	2.36
(1,257)	1:434:A:ALA:HB2	1:435:A:LYS:H	16	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,257)	1:434:A:ALA:HB3	1:435:A:LYS:H	16	2.36
(1,203)	1:416:A:PHE:H	1:416:A:PHE:HB2	20	2.36
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD11	16	2.36
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD12	16	2.36
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD13	16	2.36
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD21	16	2.36
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD22	16	2.36
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD23	16	2.36
(1,162)	1:479:A:GLN:HA	1:480:A:LEU:H	8	2.36
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB2	10	2.36
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB3	10	2.36
(1,153)	1:406:A:ASN:HA	1:407:A:LEU:H	10	2.36
(1,153)	1:406:A:ASN:HA	1:407:A:LEU:H	17	2.36
(1,136)	1:421:A:ILE:HG21	1:422:A:LEU:H	4	2.36
(1,136)	1:421:A:ILE:HG22	1:422:A:LEU:H	4	2.36
(1,136)	1:421:A:ILE:HG23	1:422:A:LEU:H	4	2.36
(1,129)	1:469:A:PHE:H	1:469:A:PHE:HB3	10	2.36
(1,95)	1:450:A:PHE:HA	1:451:A:VAL:H	4	2.36
(1,95)	1:450:A:PHE:HA	1:451:A:VAL:H	5	2.36
(1,70)	1:413:A:PRO:HB2	1:414:A:GLN:H	20	2.36
(1,70)	1:413:A:PRO:HB3	1:414:A:GLN:H	20	2.36
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB2	3	2.36
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB3	3	2.36
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB2	10	2.36
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB3	10	2.36
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB2	13	2.36
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB3	13	2.36
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB2	14	2.36
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB3	14	2.36
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD2	10	2.35
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD3	10	2.35
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD2	10	2.35
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD3	10	2.35
(1,1455)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	1	2.35
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG2	2	2.35
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG3	2	2.35
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD1	18	2.35
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD2	18	2.35
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG11	13	2.35
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG12	13	2.35
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG13	13	2.35
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	17	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	17	2.35
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	17	2.35
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	17	2.35
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	17	2.35
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	17	2.35
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	17	2.35
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	17	2.35
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	17	2.35
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	17	2.35
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	17	2.35
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	17	2.35
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	17	2.35
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	17	2.35
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	17	2.35
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	17	2.35
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	17	2.35
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	17	2.35
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	7	2.35
(1,1373)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	7	2.35
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	7	2.35
(1,1373)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	7	2.35
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG12	17	2.35
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG13	17	2.35
(1,1342)	1:405:A:ALA:HB1	1:453:A:TYR:HB3	5	2.35
(1,1342)	1:405:A:ALA:HB2	1:453:A:TYR:HB3	5	2.35
(1,1342)	1:405:A:ALA:HB3	1:453:A:TYR:HB3	5	2.35
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	18	2.35
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	18	2.35
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	18	2.35
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	18	2.35
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	18	2.35
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	18	2.35
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	18	2.35
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	18	2.35
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	18	2.35
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG11	13	2.35
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG12	13	2.35
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG13	13	2.35
(1,1250)	1:480:A:LEU:HB2	1:480:A:LEU:HG	4	2.35
(1,1250)	1:480:A:LEU:HB3	1:480:A:LEU:HG	4	2.35
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	17	2.35
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	17	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	17	2.35
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	17	2.35
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	17	2.35
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	17	2.35
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	17	2.35
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	17	2.35
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	17	2.35
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	17	2.35
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	17	2.35
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	17	2.35
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	17	2.35
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	17	2.35
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	17	2.35
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	17	2.35
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	17	2.35
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	17	2.35
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG2	20	2.35
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG3	20	2.35
(1,1223)	1:423:A:GLN:HB2	1:424:A:MET:H	4	2.35
(1,1223)	1:423:A:GLN:HB3	1:424:A:MET:H	4	2.35
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB2	12	2.35
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB3	12	2.35
(1,1198)	1:441:A:GLN:HB2	1:441:A:GLN:HG2	4	2.35
(1,1197)	1:441:A:GLN:HB2	1:442:A:THR:H	9	2.35
(1,1104)	1:441:A:GLN:HA	1:441:A:GLN:HG2	13	2.35
(1,1103)	1:441:A:GLN:HA	1:441:A:GLN:HG3	14	2.35
(1,1102)	1:441:A:GLN:HB2	1:441:A:GLN:HG3	6	2.35
(1,1102)	1:441:A:GLN:HB2	1:441:A:GLN:HG3	17	2.35
(1,1053)	1:400:A:GLU:H	1:400:A:GLU:HG2	12	2.35
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD11	10	2.35
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD12	10	2.35
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD13	10	2.35
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD11	19	2.35
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD12	19	2.35
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD13	19	2.35
(1,1000)	1:467:A:ASN:H	1:467:A:ASN:HB2	17	2.35
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG21	14	2.35
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG22	14	2.35
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG23	14	2.35
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	1	2.35
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	1	2.35
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	1	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	1	2.35
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	1	2.35
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	1	2.35
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG12	6	2.35
(1,972)	1:471:A:ILE:HG21	1:471:A:ILE:HG13	6	2.35
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG12	6	2.35
(1,972)	1:471:A:ILE:HG22	1:471:A:ILE:HG13	6	2.35
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG12	6	2.35
(1,972)	1:471:A:ILE:HG23	1:471:A:ILE:HG13	6	2.35
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB1	13	2.35
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB2	13	2.35
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB3	13	2.35
(1,932)	1:421:A:ILE:HG21	1:422:A:LEU:H	2	2.35
(1,932)	1:421:A:ILE:HG22	1:422:A:LEU:H	2	2.35
(1,932)	1:421:A:ILE:HG23	1:422:A:LEU:H	2	2.35
(1,932)	1:421:A:ILE:HG21	1:422:A:LEU:H	13	2.35
(1,932)	1:421:A:ILE:HG22	1:422:A:LEU:H	13	2.35
(1,932)	1:421:A:ILE:HG23	1:422:A:LEU:H	13	2.35
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	2	2.35
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	2	2.35
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	2	2.35
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	2	2.35
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	2	2.35
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	2	2.35
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	2	2.35
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	2	2.35
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	2	2.35
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB2	1	2.35
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB3	1	2.35
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG12	17	2.35
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG13	17	2.35
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	18	2.35
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	18	2.35
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	18	2.35
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	18	2.35
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	18	2.35
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	18	2.35
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	18	2.35
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	18	2.35
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	18	2.35
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	2	2.35
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	2	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	2	2.35
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	2	2.35
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	2	2.35
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	2	2.35
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	2	2.35
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	2	2.35
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	2	2.35
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG11	18	2.35
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG12	18	2.35
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG13	18	2.35
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG2	14	2.35
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG3	14	2.35
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE2	7	2.35
(1,678)	1:477:A:LYS:HG2	1:477:A:LYS:HE3	7	2.35
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE2	7	2.35
(1,678)	1:477:A:LYS:HG3	1:477:A:LYS:HE3	7	2.35
(1,672)	1:444:A:LEU:H	1:444:A:LEU:HG	12	2.35
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE2	7	2.35
(1,665)	1:481:A:LYS:HG2	1:481:A:LYS:HE3	7	2.35
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE2	7	2.35
(1,665)	1:481:A:LYS:HG3	1:481:A:LYS:HE3	7	2.35
(1,661)	1:480:A:LEU:HB2	1:480:A:LEU:HG	4	2.35
(1,661)	1:480:A:LEU:HB3	1:480:A:LEU:HG	4	2.35
(1,589)	1:448:A:PHE:HA	1:449:A:GLY:H	17	2.35
(1,585)	1:428:A:PHE:H	1:428:A:PHE:HB2	9	2.35
(1,565)	1:410:A:TYR:HB2	1:411:A:HIS:H	15	2.35
(1,552)	1:424:A:MET:H	1:425:A:PHE:H	14	2.35
(1,543)	1:454:A:ASP:H	1:454:A:ASP:HB2	14	2.35
(1,471)	1:423:A:GLN:HB2	1:424:A:MET:H	4	2.35
(1,471)	1:423:A:GLN:HB3	1:424:A:MET:H	4	2.35
(1,451)	1:460:A:GLN:H	1:480:A:LEU:HG	15	2.35
(1,436)	1:420:A:ASP:H	1:421:A:ILE:H	10	2.35
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB2	9	2.35
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB3	9	2.35
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB2	17	2.35
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB3	17	2.35
(1,413)	1:441:A:GLN:H	1:442:A:THR:H	5	2.35
(1,396)	1:429:A:GLY:HA3	1:430:A:ASN:H	17	2.35
(1,384)	1:444:A:LEU:H	1:444:A:LEU:HG	12	2.35
(1,372)	1:458:A:SER:H	1:458:A:SER:HB2	3	2.35
(1,322)	1:451:A:VAL:HA	1:452:A:SER:H	20	2.35
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG2	20	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG3	20	2.35
(1,312)	1:474:A:LYS:HB3	1:475:A:ARG:H	17	2.35
(1,276)	1:458:A:SER:H	1:459:A:ALA:H	8	2.35
(1,239)	1:400:A:GLU:H	1:400:A:GLU:HG2	12	2.35
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG21	14	2.35
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG22	14	2.35
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG23	14	2.35
(1,203)	1:416:A:PHE:H	1:416:A:PHE:HB2	6	2.35
(1,203)	1:416:A:PHE:H	1:416:A:PHE:HB2	17	2.35
(1,201)	1:415:A:GLU:H	1:416:A:PHE:H	12	2.35
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB2	12	2.35
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB3	12	2.35
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD11	12	2.35
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD12	12	2.35
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD13	12	2.35
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD21	12	2.35
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD22	12	2.35
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD23	12	2.35
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB2	16	2.35
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB3	16	2.35
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD11	7	2.35
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD12	7	2.35
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD13	7	2.35
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD21	7	2.35
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD22	7	2.35
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD23	7	2.35
(1,136)	1:421:A:ILE:HG21	1:422:A:LEU:H	2	2.35
(1,136)	1:421:A:ILE:HG22	1:422:A:LEU:H	2	2.35
(1,136)	1:421:A:ILE:HG23	1:422:A:LEU:H	2	2.35
(1,136)	1:421:A:ILE:HG21	1:422:A:LEU:H	13	2.35
(1,136)	1:421:A:ILE:HG22	1:422:A:LEU:H	13	2.35
(1,136)	1:421:A:ILE:HG23	1:422:A:LEU:H	13	2.35
(1,125)	1:468:A:GLY:H	1:469:A:PHE:H	3	2.35
(1,116)	1:490:A:TYR:H	1:490:A:TYR:HB2	13	2.35
(1,80)	1:433:A:SER:HA	1:434:A:ALA:H	2	2.35
(1,80)	1:433:A:SER:HA	1:434:A:ALA:H	11	2.35
(1,70)	1:413:A:PRO:HB2	1:414:A:GLN:H	18	2.35
(1,70)	1:413:A:PRO:HB3	1:414:A:GLN:H	18	2.35
(1,70)	1:413:A:PRO:HB2	1:414:A:GLN:H	19	2.35
(1,70)	1:413:A:PRO:HB3	1:414:A:GLN:H	19	2.35
(1,46)	1:439:A:ASP:H	1:439:A:ASP:HB2	15	2.35
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB2	9	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB3	9	2.35
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB2	19	2.35
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB3	19	2.35
(1,10)	1:430:A:ASN:HA	1:431:A:VAL:H	4	2.35
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG21	1	2.35
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG22	1	2.35
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG23	1	2.35
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG21	14	2.35
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG22	14	2.35
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG23	14	2.35
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD1	19	2.34
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD2	19	2.34
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD1	3	2.34
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD2	3	2.34
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	7	2.34
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	7	2.34
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	7	2.34
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	7	2.34
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	7	2.34
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	7	2.34
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	7	2.34
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	7	2.34
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	7	2.34
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	7	2.34
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	7	2.34
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	7	2.34
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	13	2.34
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	13	2.34
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	13	2.34
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	13	2.34
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	13	2.34
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	13	2.34
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	13	2.34
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	13	2.34
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	13	2.34
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	13	2.34
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	13	2.34
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	13	2.34
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB1	2	2.34
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB2	2	2.34
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB3	2	2.34
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB1	2	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB2	2	2.34
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB3	2	2.34
(1,1496)	1:486:A:ASP:HA	1:486:A:ASP:HB3	15	2.34
(1,1454)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	14	2.34
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD1	9	2.34
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD2	9	2.34
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG21	5	2.34
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG22	5	2.34
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG23	5	2.34
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB1	14	2.34
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB2	14	2.34
(1,1362)	1:425:A:PHE:HE1	1:462:A:ALA:HB3	14	2.34
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB1	14	2.34
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB2	14	2.34
(1,1362)	1:425:A:PHE:HE2	1:462:A:ALA:HB3	14	2.34
(1,1228)	1:455:A:ASN:HA	1:456:A:PRO:HD3	18	2.34
(1,1170)	1:486:A:ASP:HA	1:486:A:ASP:HB3	15	2.34
(1,1144)	1:474:A:LYS:HA	1:475:A:ARG:H	8	2.34
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG2	11	2.34
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG3	11	2.34
(1,1114)	1:414:A:GLN:HB2	1:414:A:GLN:HG2	9	2.34
(1,1111)	1:423:A:GLN:HA	1:423:A:GLN:HG2	10	2.34
(1,1093)	1:403:A:GLU:HA	1:404:A:GLY:H	1	2.34
(1,1093)	1:403:A:GLU:HA	1:404:A:GLY:H	5	2.34
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD11	10	2.34
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD12	10	2.34
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD13	10	2.34
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	13	2.34
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	13	2.34
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	13	2.34
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	13	2.34
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	13	2.34
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	13	2.34
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	13	2.34
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	13	2.34
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	13	2.34
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG21	19	2.34
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG22	19	2.34
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG23	19	2.34
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	1	2.34
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	1	2.34
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	1	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	1	2.34
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	1	2.34
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	1	2.34
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	10	2.34
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	10	2.34
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	10	2.34
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	10	2.34
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	10	2.34
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	10	2.34
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	10	2.34
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	10	2.34
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	10	2.34
(1,920)	1:402:A:PRO:HG3	1:455:A:ASN:HB2	4	2.34
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD1	19	2.34
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD2	19	2.34
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD1	19	2.34
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD2	19	2.34
(1,851)	1:405:A:ALA:HB1	1:406:A:ASN:H	1	2.34
(1,851)	1:405:A:ALA:HB2	1:406:A:ASN:H	1	2.34
(1,851)	1:405:A:ALA:HB3	1:406:A:ASN:H	1	2.34
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB1	4	2.34
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB2	4	2.34
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB3	4	2.34
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB1	13	2.34
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB2	13	2.34
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB3	13	2.34
(1,830)	1:450:A:PHE:HB2	1:451:A:VAL:H	14	2.34
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	10	2.34
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	10	2.34
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	10	2.34
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	10	2.34
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	10	2.34
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	10	2.34
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	10	2.34
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	10	2.34
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	10	2.34
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB1	16	2.34
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB2	16	2.34
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB3	16	2.34
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB1	20	2.34
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB2	20	2.34
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB3	20	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,809)	1:434:A:ALA:HB1	1:435:A:LYS:H	2	2.34
(1,809)	1:434:A:ALA:HB2	1:435:A:LYS:H	2	2.34
(1,809)	1:434:A:ALA:HB3	1:435:A:LYS:H	2	2.34
(1,585)	1:428:A:PHE:H	1:428:A:PHE:HB2	2	2.34
(1,574)	1:466:A:MET:H	1:466:A:MET:HB2	18	2.34
(1,574)	1:466:A:MET:H	1:466:A:MET:HB3	18	2.34
(1,552)	1:424:A:MET:H	1:425:A:PHE:H	20	2.34
(1,512)	1:454:A:ASP:HB3	1:455:A:ASN:H	8	2.34
(1,502)	1:411:A:HIS:H	1:412:A:LEU:H	16	2.34
(1,396)	1:429:A:GLY:HA3	1:430:A:ASN:H	11	2.34
(1,355)	1:462:A:ALA:H	1:463:A:ILE:H	10	2.34
(1,308)	1:474:A:LYS:HA	1:475:A:ARG:H	8	2.34
(1,300)	1:405:A:ALA:H	1:456:A:PRO:HD3	9	2.34
(1,257)	1:434:A:ALA:HB1	1:435:A:LYS:H	2	2.34
(1,257)	1:434:A:ALA:HB2	1:435:A:LYS:H	2	2.34
(1,257)	1:434:A:ALA:HB3	1:435:A:LYS:H	2	2.34
(1,237)	1:400:A:GLU:H	1:400:A:GLU:HG3	13	2.34
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG21	19	2.34
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG22	19	2.34
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG23	19	2.34
(1,223)	1:417:A:GLY:HA3	1:418:A:ASP:H	9	2.34
(1,211)	1:462:A:ALA:H	1:463:A:ILE:H	10	2.34
(1,203)	1:416:A:PHE:H	1:416:A:PHE:HB2	3	2.34
(1,162)	1:479:A:GLN:HA	1:480:A:LEU:H	3	2.34
(1,162)	1:479:A:GLN:HA	1:480:A:LEU:H	7	2.34
(1,162)	1:479:A:GLN:HA	1:480:A:LEU:H	13	2.34
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB2	6	2.34
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB3	6	2.34
(1,153)	1:406:A:ASN:HA	1:407:A:LEU:H	9	2.34
(1,117)	1:489:A:PRO:HG2	1:490:A:TYR:H	1	2.34
(1,114)	1:489:A:PRO:HA	1:490:A:TYR:H	10	2.34
(1,95)	1:450:A:PHE:HA	1:451:A:VAL:H	15	2.34
(1,86)	1:480:A:LEU:HA	1:481:A:LYS:H	11	2.34
(1,46)	1:439:A:ASP:H	1:439:A:ASP:HB2	11	2.34
(1,24)	1:426:A:MET:H	1:431:A:VAL:HA	13	2.34
(1,20)	1:425:A:PHE:H	1:426:A:MET:H	12	2.34
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG21	10	2.34
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG22	10	2.34
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG23	10	2.34
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	12	2.33
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	12	2.33
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	12	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	12	2.33
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	1	2.33
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	1	2.33
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	1	2.33
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	1	2.33
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	1	2.33
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	1	2.33
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	1	2.33
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	1	2.33
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	1	2.33
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	1	2.33
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	1	2.33
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	1	2.33
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD1	18	2.33
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD2	18	2.33
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD2	11	2.33
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD3	11	2.33
(1,1496)	1:486:A:ASP:HA	1:486:A:ASP:HB3	1	2.33
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD2	11	2.33
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD3	11	2.33
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD2	13	2.33
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD3	13	2.33
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD2	13	2.33
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD3	13	2.33
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG21	20	2.33
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG22	20	2.33
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG23	20	2.33
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG11	4	2.33
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG12	4	2.33
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG13	4	2.33
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG11	18	2.33
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG12	18	2.33
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG13	18	2.33
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG21	7	2.33
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG22	7	2.33
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG23	7	2.33
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	8	2.33
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	8	2.33
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	8	2.33
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	8	2.33
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	8	2.33
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	8	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	8	2.33
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	8	2.33
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	8	2.33
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	8	2.33
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	8	2.33
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	8	2.33
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	8	2.33
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	8	2.33
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	8	2.33
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	8	2.33
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	8	2.33
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	8	2.33
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	9	2.33
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	9	2.33
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	9	2.33
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	9	2.33
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	9	2.33
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	9	2.33
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	9	2.33
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	9	2.33
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	9	2.33
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	9	2.33
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	9	2.33
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	9	2.33
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	9	2.33
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	9	2.33
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	9	2.33
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	9	2.33
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	9	2.33
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	9	2.33
(1,1359)	1:475:A:ARG:HB2	1:475:A:ARG:HD2	4	2.33
(1,1359)	1:475:A:ARG:HB3	1:475:A:ARG:HD2	4	2.33
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	5	2.33
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	5	2.33
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	6	2.33
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	6	2.33
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG21	20	2.33
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG22	20	2.33
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG23	20	2.33
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG11	5	2.33
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG12	5	2.33
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG13	5	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG11	5	2.33
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG12	5	2.33
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG13	5	2.33
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG11	4	2.33
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG12	4	2.33
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG13	4	2.33
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG11	18	2.33
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG12	18	2.33
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG13	18	2.33
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	10	2.33
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	10	2.33
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	10	2.33
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	10	2.33
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	10	2.33
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	10	2.33
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	10	2.33
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	10	2.33
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	10	2.33
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	10	2.33
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	10	2.33
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	10	2.33
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	10	2.33
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	10	2.33
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	10	2.33
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	10	2.33
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	10	2.33
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	10	2.33
(1,1250)	1:480:A:LEU:HB2	1:480:A:LEU:HG	2	2.33
(1,1250)	1:480:A:LEU:HB3	1:480:A:LEU:HG	2	2.33
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	8	2.33
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	8	2.33
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	8	2.33
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	8	2.33
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	8	2.33
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	8	2.33
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	8	2.33
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	8	2.33
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	8	2.33
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	8	2.33
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	8	2.33
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	8	2.33
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	8	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	8	2.33
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	8	2.33
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	8	2.33
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	8	2.33
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	8	2.33
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	9	2.33
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	9	2.33
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	9	2.33
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	9	2.33
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	9	2.33
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	9	2.33
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	9	2.33
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	9	2.33
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	9	2.33
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	9	2.33
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	9	2.33
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	9	2.33
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	9	2.33
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	9	2.33
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	9	2.33
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	9	2.33
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	9	2.33
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	9	2.33
(1,1228)	1:455:A:ASN:HA	1:456:A:PRO:HD3	16	2.33
(1,1228)	1:455:A:ASN:HA	1:456:A:PRO:HD3	19	2.33
(1,1191)	1:481:A:LYS:HB3	1:481:A:LYS:HD2	14	2.33
(1,1170)	1:486:A:ASP:HA	1:486:A:ASP:HB3	1	2.33
(1,1111)	1:423:A:GLN:HA	1:423:A:GLN:HG2	12	2.33
(1,1104)	1:441:A:GLN:HA	1:441:A:GLN:HG2	12	2.33
(1,1100)	1:474:A:LYS:HB2	1:475:A:ARG:H	8	2.33
(1,1100)	1:474:A:LYS:HB3	1:475:A:ARG:H	8	2.33
(1,1100)	1:474:A:LYS:HB2	1:475:A:ARG:H	13	2.33
(1,1100)	1:474:A:LYS:HB3	1:475:A:ARG:H	13	2.33
(1,1093)	1:403:A:GLU:HA	1:404:A:GLY:H	2	2.33
(1,1093)	1:403:A:GLU:HA	1:404:A:GLY:H	11	2.33
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	16	2.33
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	16	2.33
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	16	2.33
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	16	2.33
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	16	2.33
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	16	2.33
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	16	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	16	2.33
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	16	2.33
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	19	2.33
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	19	2.33
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	19	2.33
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	19	2.33
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	19	2.33
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	19	2.33
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	19	2.33
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	19	2.33
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	19	2.33
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD11	5	2.33
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD12	5	2.33
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD13	5	2.33
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD11	15	2.33
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD12	15	2.33
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD13	15	2.33
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	10	2.33
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	10	2.33
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	10	2.33
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	10	2.33
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	10	2.33
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	10	2.33
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	10	2.33
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	10	2.33
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	10	2.33
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG21	15	2.33
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG22	15	2.33
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG23	15	2.33
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB2	6	2.33
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB3	6	2.33
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	5	2.33
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	5	2.33
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	6	2.33
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	6	2.33
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB1	20	2.33
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB2	20	2.33
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB3	20	2.33
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	19	2.33
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	19	2.33
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	19	2.33
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	19	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	19	2.33
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	19	2.33
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	19	2.33
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	19	2.33
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	19	2.33
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG11	1	2.33
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG12	1	2.33
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG13	1	2.33
(1,661)	1:480:A:LEU:HB2	1:480:A:LEU:HG	2	2.33
(1,661)	1:480:A:LEU:HB3	1:480:A:LEU:HG	2	2.33
(1,585)	1:428:A:PHE:H	1:428:A:PHE:HB2	5	2.33
(1,562)	1:410:A:TYR:HA	1:411:A:HIS:H	3	2.33
(1,562)	1:410:A:TYR:HA	1:411:A:HIS:H	8	2.33
(1,552)	1:424:A:MET:H	1:425:A:PHE:H	16	2.33
(1,543)	1:454:A:ASP:H	1:454:A:ASP:HB2	16	2.33
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD11	8	2.33
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD12	8	2.33
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD13	8	2.33
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD21	8	2.33
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD22	8	2.33
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD23	8	2.33
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD11	17	2.33
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD12	17	2.33
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD13	17	2.33
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD21	17	2.33
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD22	17	2.33
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD23	17	2.33
(1,475)	1:445:A:SER:H	1:445:A:SER:HB3	6	2.33
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG21	15	2.33
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG22	15	2.33
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG23	15	2.33
(1,435)	1:421:A:ILE:H	1:422:A:LEU:H	19	2.33
(1,426)	1:442:A:THR:H	1:443:A:ASN:H	11	2.33
(1,383)	1:444:A:LEU:H	1:444:A:LEU:HB2	9	2.33
(1,382)	1:444:A:LEU:H	1:444:A:LEU:HB3	17	2.33
(1,377)	1:443:A:ASN:H	1:444:A:LEU:H	9	2.33
(1,333)	1:467:A:ASN:H	1:467:A:ASN:HB3	6	2.33
(1,322)	1:451:A:VAL:HA	1:452:A:SER:H	16	2.33
(1,318)	1:473:A:MET:H	1:474:A:LYS:H	12	2.33
(1,203)	1:416:A:PHE:H	1:416:A:PHE:HB2	9	2.33
(1,201)	1:415:A:GLU:H	1:416:A:PHE:H	5	2.33
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB2	7	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,165)	1:480:A:LEU:H	1:480:A:LEU:HB3	7	2.33
(1,162)	1:479:A:GLN:HA	1:480:A:LEU:H	9	2.33
(1,162)	1:479:A:GLN:HA	1:480:A:LEU:H	17	2.33
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB2	16	2.33
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB3	16	2.33
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD11	14	2.33
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD12	14	2.33
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD13	14	2.33
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD21	14	2.33
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD22	14	2.33
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD23	14	2.33
(1,153)	1:406:A:ASN:HA	1:407:A:LEU:H	12	2.33
(1,119)	1:473:A:MET:H	1:474:A:LYS:H	12	2.33
(1,95)	1:450:A:PHE:HA	1:451:A:VAL:H	11	2.33
(1,95)	1:450:A:PHE:HA	1:451:A:VAL:H	14	2.33
(1,89)	1:481:A:LYS:H	1:481:A:LYS:HB2	7	2.33
(1,46)	1:439:A:ASP:H	1:439:A:ASP:HB2	10	2.33
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB2	2	2.33
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB3	2	2.33
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB2	18	2.33
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB3	18	2.33
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD1	12	2.32
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD2	12	2.32
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD1	12	2.32
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD2	12	2.32
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	8	2.32
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	8	2.32
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD2	12	2.32
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD3	12	2.32
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD2	13	2.32
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD3	13	2.32
(1,1500)	1:463:A:ILE:HG21	1:479:A:GLN:HA	16	2.32
(1,1500)	1:463:A:ILE:HG22	1:479:A:GLN:HA	16	2.32
(1,1500)	1:463:A:ILE:HG23	1:479:A:GLN:HA	16	2.32
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD2	12	2.32
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD3	12	2.32
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD2	13	2.32
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD3	13	2.32
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD11	20	2.32
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD12	20	2.32
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD13	20	2.32
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG21	6	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG22	6	2.32
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG23	6	2.32
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG21	11	2.32
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG22	11	2.32
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG23	11	2.32
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD11	20	2.32
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD12	20	2.32
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD13	20	2.32
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG11	3	2.32
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG12	3	2.32
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG13	3	2.32
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG21	15	2.32
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG22	15	2.32
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG23	15	2.32
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	10	2.32
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	10	2.32
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	10	2.32
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	10	2.32
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG12	4	2.32
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG13	4	2.32
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG21	6	2.32
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG22	6	2.32
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG23	6	2.32
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG21	11	2.32
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG22	11	2.32
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG23	11	2.32
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG11	3	2.32
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG12	3	2.32
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG13	3	2.32
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD11	12	2.32
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD12	12	2.32
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD13	12	2.32
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD21	12	2.32
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD22	12	2.32
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD23	12	2.32
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	10	2.32
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	10	2.32
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	10	2.32
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	10	2.32
(1,1250)	1:480:A:LEU:HB2	1:480:A:LEU:HG	1	2.32
(1,1250)	1:480:A:LEU:HB3	1:480:A:LEU:HG	1	2.32
(1,1250)	1:480:A:LEU:HB2	1:480:A:LEU:HG	15	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1250)	1:480:A:LEU:HB3	1:480:A:LEU:HG	15	2.32
(1,1250)	1:480:A:LEU:HB2	1:480:A:LEU:HG	18	2.32
(1,1250)	1:480:A:LEU:HB3	1:480:A:LEU:HG	18	2.32
(1,1228)	1:455:A:ASN:HA	1:456:A:PRO:HD3	20	2.32
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD2	12	2.32
(1,1202)	1:477:A:LYS:HB2	1:477:A:LYS:HD3	12	2.32
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD2	12	2.32
(1,1202)	1:477:A:LYS:HB3	1:477:A:LYS:HD3	12	2.32
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB2	13	2.32
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB3	13	2.32
(1,1180)	1:463:A:ILE:HG21	1:479:A:GLN:HA	16	2.32
(1,1180)	1:463:A:ILE:HG22	1:479:A:GLN:HA	16	2.32
(1,1180)	1:463:A:ILE:HG23	1:479:A:GLN:HA	16	2.32
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD11	12	2.32
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD12	12	2.32
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD13	12	2.32
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD21	12	2.32
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD22	12	2.32
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD23	12	2.32
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG2	3	2.32
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG3	3	2.32
(1,1104)	1:441:A:GLN:HA	1:441:A:GLN:HG2	7	2.32
(1,1073)	1:432:A:ILE:HD11	1:454:A:ASP:H	8	2.32
(1,1073)	1:432:A:ILE:HD12	1:454:A:ASP:H	8	2.32
(1,1073)	1:432:A:ILE:HD13	1:454:A:ASP:H	8	2.32
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD11	4	2.32
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD12	4	2.32
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD13	4	2.32
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD11	20	2.32
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD12	20	2.32
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD13	20	2.32
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG21	12	2.32
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG22	12	2.32
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG23	12	2.32
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	15	2.32
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	15	2.32
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG12	4	2.32
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG13	4	2.32
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG21	12	2.32
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG22	12	2.32
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG23	12	2.32
(1,857)	1:409:A:ILE:HG21	1:410:A:TYR:H	10	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:409:A:ILE:HG22	1:410:A:TYR:H	10	2.32
(1,857)	1:409:A:ILE:HG23	1:410:A:TYR:H	10	2.32
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB1	14	2.32
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB2	14	2.32
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB3	14	2.32
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG11	10	2.32
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG12	10	2.32
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG13	10	2.32
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	15	2.32
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	15	2.32
(1,663)	1:412:A:LEU:H	1:412:A:LEU:HG	7	2.32
(1,661)	1:480:A:LEU:HB2	1:480:A:LEU:HG	1	2.32
(1,661)	1:480:A:LEU:HB3	1:480:A:LEU:HG	1	2.32
(1,661)	1:480:A:LEU:HB2	1:480:A:LEU:HG	15	2.32
(1,661)	1:480:A:LEU:HB3	1:480:A:LEU:HG	15	2.32
(1,661)	1:480:A:LEU:HB2	1:480:A:LEU:HG	18	2.32
(1,661)	1:480:A:LEU:HB3	1:480:A:LEU:HG	18	2.32
(1,585)	1:428:A:PHE:H	1:428:A:PHE:HB2	15	2.32
(1,585)	1:428:A:PHE:H	1:428:A:PHE:HB2	20	2.32
(1,574)	1:466:A:MET:H	1:466:A:MET:HB2	13	2.32
(1,574)	1:466:A:MET:H	1:466:A:MET:HB3	13	2.32
(1,562)	1:410:A:TYR:HA	1:411:A:HIS:H	11	2.32
(1,562)	1:410:A:TYR:HA	1:411:A:HIS:H	13	2.32
(1,562)	1:410:A:TYR:HA	1:411:A:HIS:H	20	2.32
(1,543)	1:454:A:ASP:H	1:454:A:ASP:HB2	20	2.32
(1,502)	1:411:A:HIS:H	1:412:A:LEU:H	3	2.32
(1,502)	1:411:A:HIS:H	1:412:A:LEU:H	18	2.32
(1,476)	1:445:A:SER:H	1:445:A:SER:HB2	5	2.32
(1,475)	1:445:A:SER:H	1:445:A:SER:HB3	11	2.32
(1,447)	1:419:A:GLN:H	1:419:A:GLN:HB3	5	2.32
(1,444)	1:419:A:GLN:H	1:420:A:ASP:H	5	2.32
(1,436)	1:420:A:ASP:H	1:421:A:ILE:H	16	2.32
(1,395)	1:429:A:GLY:HA2	1:430:A:ASN:H	12	2.32
(1,395)	1:429:A:GLY:HA2	1:430:A:ASN:H	16	2.32
(1,377)	1:443:A:ASN:H	1:444:A:LEU:H	3	2.32
(1,355)	1:462:A:ALA:H	1:463:A:ILE:H	19	2.32
(1,322)	1:451:A:VAL:HA	1:452:A:SER:H	4	2.32
(1,253)	1:453:A:TYR:H	1:453:A:TYR:HB3	5	2.32
(1,237)	1:400:A:GLU:H	1:400:A:GLU:HG3	9	2.32
(1,223)	1:417:A:GLY:HA3	1:418:A:ASP:H	3	2.32
(1,223)	1:417:A:GLY:HA3	1:418:A:ASP:H	19	2.32
(1,211)	1:462:A:ALA:H	1:463:A:ILE:H	19	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB2	13	2.32
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB3	13	2.32
(1,182)	1:422:A:LEU:H	1:422:A:LEU:HB2	8	2.32
(1,162)	1:479:A:GLN:HA	1:480:A:LEU:H	16	2.32
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD11	6	2.32
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD12	6	2.32
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD13	6	2.32
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD21	6	2.32
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD22	6	2.32
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD23	6	2.32
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD11	19	2.32
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD12	19	2.32
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD13	19	2.32
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD21	19	2.32
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD22	19	2.32
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD23	19	2.32
(1,125)	1:468:A:GLY:H	1:469:A:PHE:H	17	2.32
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG11	19	2.32
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG12	19	2.32
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG13	19	2.32
(1,95)	1:450:A:PHE:HA	1:451:A:VAL:H	1	2.32
(1,95)	1:450:A:PHE:HA	1:451:A:VAL:H	7	2.32
(1,95)	1:450:A:PHE:HA	1:451:A:VAL:H	9	2.32
(1,86)	1:480:A:LEU:HA	1:481:A:LYS:H	18	2.32
(1,70)	1:413:A:PRO:HB2	1:414:A:GLN:H	16	2.32
(1,70)	1:413:A:PRO:HB3	1:414:A:GLN:H	16	2.32
(1,47)	1:439:A:ASP:H	1:439:A:ASP:HB3	20	2.32
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG2	18	2.32
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG3	18	2.32
(1,20)	1:425:A:PHE:H	1:426:A:MET:H	17	2.32
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG21	6	2.32
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG22	6	2.32
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG23	6	2.32
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	7	2.31
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	7	2.31
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD2	9	2.31
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD3	9	2.31
(1,1503)	1:485:A:ASN:HA	1:485:A:ASN:HB2	4	2.31
(1,1503)	1:485:A:ASN:HA	1:485:A:ASN:HB2	7	2.31
(1,1503)	1:485:A:ASN:HA	1:485:A:ASN:HB2	10	2.31
(1,1503)	1:485:A:ASN:HA	1:485:A:ASN:HB2	20	2.31
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD11	6	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD12	6	2.31
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD13	6	2.31
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD11	6	2.31
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD12	6	2.31
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD13	6	2.31
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG11	16	2.31
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG12	16	2.31
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG13	16	2.31
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG21	2	2.31
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG22	2	2.31
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG23	2	2.31
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	5	2.31
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	5	2.31
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	5	2.31
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	5	2.31
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG12	15	2.31
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG13	15	2.31
(1,1342)	1:405:A:ALA:HB1	1:453:A:TYR:HB3	6	2.31
(1,1342)	1:405:A:ALA:HB2	1:453:A:TYR:HB3	6	2.31
(1,1342)	1:405:A:ALA:HB3	1:453:A:TYR:HB3	6	2.31
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG11	16	2.31
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG12	16	2.31
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG13	16	2.31
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB1	15	2.31
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB2	15	2.31
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB3	15	2.31
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB1	15	2.31
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB2	15	2.31
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB3	15	2.31
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB1	15	2.31
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB2	15	2.31
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB3	15	2.31
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB1	15	2.31
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB2	15	2.31
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB3	15	2.31
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB1	15	2.31
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB2	15	2.31
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB3	15	2.31
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB1	15	2.31
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB2	15	2.31
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB3	15	2.31
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD11	11	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD12	11	2.31
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD13	11	2.31
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD21	11	2.31
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD22	11	2.31
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD23	11	2.31
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	5	2.31
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	5	2.31
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	5	2.31
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	5	2.31
(1,1223)	1:423:A:GLN:HB2	1:424:A:MET:H	6	2.31
(1,1223)	1:423:A:GLN:HB3	1:424:A:MET:H	6	2.31
(1,1104)	1:441:A:GLN:HA	1:441:A:GLN:HG2	10	2.31
(1,1104)	1:441:A:GLN:HA	1:441:A:GLN:HG2	11	2.31
(1,1100)	1:474:A:LYS:HB2	1:475:A:ARG:H	4	2.31
(1,1100)	1:474:A:LYS:HB3	1:475:A:ARG:H	4	2.31
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD11	11	2.31
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD12	11	2.31
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD13	11	2.31
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD11	18	2.31
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD12	18	2.31
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD13	18	2.31
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD11	6	2.31
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD12	6	2.31
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD13	6	2.31
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	14	2.31
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	14	2.31
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	14	2.31
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	14	2.31
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	14	2.31
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	14	2.31
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG21	10	2.31
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG22	10	2.31
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG23	10	2.31
(1,940)	1:486:A:ASP:H	1:486:A:ASP:HB2	3	2.31
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG21	8	2.31
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG22	8	2.31
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG23	8	2.31
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG12	15	2.31
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG13	15	2.31
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG21	10	2.31
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG22	10	2.31
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG23	10	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD2	10	2.31
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD3	10	2.31
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB1	7	2.31
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB2	7	2.31
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB3	7	2.31
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB1	16	2.31
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB2	16	2.31
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB3	16	2.31
(1,591)	1:448:A:PHE:HB2	1:449:A:GLY:H	11	2.31
(1,591)	1:448:A:PHE:HB3	1:449:A:GLY:H	11	2.31
(1,556)	1:424:A:MET:HB2	1:425:A:PHE:H	9	2.31
(1,556)	1:424:A:MET:HB3	1:425:A:PHE:H	9	2.31
(1,556)	1:424:A:MET:HB2	1:425:A:PHE:H	17	2.31
(1,556)	1:424:A:MET:HB3	1:425:A:PHE:H	17	2.31
(1,543)	1:454:A:ASP:H	1:454:A:ASP:HB2	3	2.31
(1,493)	1:413:A:PRO:HB2	1:415:A:GLU:H	16	2.31
(1,493)	1:413:A:PRO:HB3	1:415:A:GLU:H	16	2.31
(1,471)	1:423:A:GLN:HB2	1:424:A:MET:H	6	2.31
(1,471)	1:423:A:GLN:HB3	1:424:A:MET:H	6	2.31
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB2	6	2.31
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB3	6	2.31
(1,452)	1:459:A:ALA:H	1:460:A:GLN:H	11	2.31
(1,451)	1:460:A:GLN:H	1:480:A:LEU:HG	4	2.31
(1,444)	1:419:A:GLN:H	1:420:A:ASP:H	3	2.31
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG21	8	2.31
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG22	8	2.31
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG23	8	2.31
(1,436)	1:420:A:ASP:H	1:421:A:ILE:H	14	2.31
(1,360)	1:463:A:ILE:H	1:463:A:ILE:HB	6	2.31
(1,333)	1:467:A:ASN:H	1:467:A:ASN:HB3	4	2.31
(1,262)	1:486:A:ASP:H	1:486:A:ASP:HB2	3	2.31
(1,253)	1:453:A:TYR:H	1:453:A:TYR:HB3	13	2.31
(1,238)	1:400:A:GLU:H	1:400:A:GLU:HB3	20	2.31
(1,223)	1:417:A:GLY:HA3	1:418:A:ASP:H	10	2.31
(1,203)	1:416:A:PHE:H	1:416:A:PHE:HB2	15	2.31
(1,201)	1:415:A:GLU:H	1:416:A:PHE:H	10	2.31
(1,162)	1:479:A:GLN:HA	1:480:A:LEU:H	12	2.31
(1,162)	1:479:A:GLN:HA	1:480:A:LEU:H	14	2.31
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD11	8	2.31
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD12	8	2.31
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD13	8	2.31
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD21	8	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD22	8	2.31
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD23	8	2.31
(1,125)	1:468:A:GLY:H	1:469:A:PHE:H	7	2.31
(1,121)	1:473:A:MET:H	1:473:A:MET:HG2	8	2.31
(1,114)	1:489:A:PRO:HA	1:490:A:TYR:H	13	2.31
(1,99)	1:407:A:LEU:H	1:451:A:VAL:H	20	2.31
(1,95)	1:450:A:PHE:HA	1:451:A:VAL:H	18	2.31
(1,24)	1:426:A:MET:H	1:431:A:VAL:HA	5	2.31
(1,20)	1:425:A:PHE:H	1:426:A:MET:H	18	2.31
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG21	20	2.31
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG22	20	2.31
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG23	20	2.31
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD1	18	2.3
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD2	18	2.3
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	6	2.3
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	6	2.3
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	6	2.3
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	6	2.3
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	6	2.3
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	6	2.3
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	6	2.3
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	6	2.3
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	6	2.3
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	6	2.3
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	6	2.3
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	6	2.3
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	18	2.3
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	18	2.3
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	18	2.3
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	18	2.3
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	18	2.3
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	18	2.3
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	18	2.3
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	18	2.3
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	18	2.3
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	18	2.3
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	18	2.3
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	18	2.3
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD1	1	2.3
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD2	1	2.3
(1,1532)	1:422:A:LEU:HA	1:422:A:LEU:HG	15	2.3
(1,1500)	1:463:A:ILE:HG21	1:479:A:GLN:HA	11	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1500)	1:463:A:ILE:HG22	1:479:A:GLN:HA	11	2.3
(1,1500)	1:463:A:ILE:HG23	1:479:A:GLN:HA	11	2.3
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	14	2.3
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	14	2.3
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD11	1	2.3
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD12	1	2.3
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD13	1	2.3
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD11	7	2.3
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD12	7	2.3
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD13	7	2.3
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD11	1	2.3
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD12	1	2.3
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD13	1	2.3
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD11	7	2.3
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD12	7	2.3
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD13	7	2.3
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG21	6	2.3
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG22	6	2.3
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG23	6	2.3
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG21	13	2.3
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG22	13	2.3
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG23	13	2.3
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG21	16	2.3
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG22	16	2.3
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG23	16	2.3
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	20	2.3
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	20	2.3
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	20	2.3
(1,1359)	1:475:A:ARG:HB2	1:475:A:ARG:HD2	13	2.3
(1,1359)	1:475:A:ARG:HB3	1:475:A:ARG:HD2	13	2.3
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	16	2.3
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	16	2.3
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG2	14	2.3
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG3	14	2.3
(1,1223)	1:423:A:GLN:HB2	1:424:A:MET:H	14	2.3
(1,1223)	1:423:A:GLN:HB3	1:424:A:MET:H	14	2.3
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	5	2.3
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	5	2.3
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	5	2.3
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	5	2.3
(1,1180)	1:463:A:ILE:HG21	1:479:A:GLN:HA	11	2.3
(1,1180)	1:463:A:ILE:HG22	1:479:A:GLN:HA	11	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1180)	1:463:A:ILE:HG23	1:479:A:GLN:HA	11	2.3
(1,1114)	1:414:A:GLN:HB2	1:414:A:GLN:HG2	20	2.3
(1,1100)	1:474:A:LYS:HB2	1:475:A:ARG:H	5	2.3
(1,1100)	1:474:A:LYS:HB3	1:475:A:ARG:H	5	2.3
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	18	2.3
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	18	2.3
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	18	2.3
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	18	2.3
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	18	2.3
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	18	2.3
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	18	2.3
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	18	2.3
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	18	2.3
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD11	2	2.3
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD12	2	2.3
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD13	2	2.3
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD11	14	2.3
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD12	14	2.3
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD13	14	2.3
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD11	1	2.3
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD12	1	2.3
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD13	1	2.3
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD11	7	2.3
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD12	7	2.3
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD13	7	2.3
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	5	2.3
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	5	2.3
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	5	2.3
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	5	2.3
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	5	2.3
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	5	2.3
(1,936)	1:459:A:ALA:HB1	1:460:A:GLN:H	11	2.3
(1,936)	1:459:A:ALA:HB2	1:460:A:GLN:H	11	2.3
(1,936)	1:459:A:ALA:HB3	1:460:A:GLN:H	11	2.3
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD1	14	2.3
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD2	14	2.3
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD1	14	2.3
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD2	14	2.3
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE2	1	2.3
(1,894)	1:484:A:LYS:HG2	1:484:A:LYS:HE3	1	2.3
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE2	1	2.3
(1,894)	1:484:A:LYS:HG3	1:484:A:LYS:HE3	1	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,880)	1:480:A:LEU:HB2	1:481:A:LYS:H	7	2.3
(1,880)	1:480:A:LEU:HB3	1:481:A:LYS:H	7	2.3
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	16	2.3
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	16	2.3
(1,836)	1:444:A:LEU:HB3	1:445:A:SER:H	20	2.3
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	18	2.3
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	18	2.3
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	18	2.3
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	18	2.3
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	18	2.3
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	18	2.3
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	18	2.3
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	18	2.3
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	18	2.3
(1,788)	1:478:A:VAL:HG11	1:479:A:GLN:H	11	2.3
(1,788)	1:478:A:VAL:HG12	1:479:A:GLN:H	11	2.3
(1,788)	1:478:A:VAL:HG13	1:479:A:GLN:H	11	2.3
(1,552)	1:424:A:MET:H	1:425:A:PHE:H	8	2.3
(1,552)	1:424:A:MET:H	1:425:A:PHE:H	17	2.3
(1,502)	1:411:A:HIS:H	1:412:A:LEU:H	6	2.3
(1,477)	1:444:A:LEU:HB3	1:445:A:SER:H	20	2.3
(1,471)	1:423:A:GLN:HB2	1:424:A:MET:H	14	2.3
(1,471)	1:423:A:GLN:HB3	1:424:A:MET:H	14	2.3
(1,452)	1:459:A:ALA:H	1:460:A:GLN:H	8	2.3
(1,452)	1:459:A:ALA:H	1:460:A:GLN:H	19	2.3
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB2	20	2.3
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB3	20	2.3
(1,396)	1:429:A:GLY:HA3	1:430:A:ASN:H	3	2.3
(1,396)	1:429:A:GLY:HA3	1:430:A:ASN:H	8	2.3
(1,382)	1:444:A:LEU:H	1:444:A:LEU:HB3	13	2.3
(1,377)	1:443:A:ASN:H	1:444:A:LEU:H	20	2.3
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG2	14	2.3
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG3	14	2.3
(1,268)	1:457:A:VAL:H	1:458:A:SER:H	13	2.3
(1,223)	1:417:A:GLY:HA3	1:418:A:ASP:H	13	2.3
(1,162)	1:479:A:GLN:HA	1:480:A:LEU:H	11	2.3
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB2	19	2.3
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB3	19	2.3
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG11	11	2.3
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG12	11	2.3
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG13	11	2.3
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG11	17	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG12	17	2.3
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG13	17	2.3
(1,95)	1:450:A:PHE:HA	1:451:A:VAL:H	3	2.3
(1,95)	1:450:A:PHE:HA	1:451:A:VAL:H	6	2.3
(1,95)	1:450:A:PHE:HA	1:451:A:VAL:H	16	2.3
(1,88)	1:481:A:LYS:H	1:481:A:LYS:HB3	13	2.3
(1,70)	1:413:A:PRO:HB2	1:414:A:GLN:H	12	2.3
(1,70)	1:413:A:PRO:HB3	1:414:A:GLN:H	12	2.3
(1,70)	1:413:A:PRO:HB2	1:414:A:GLN:H	15	2.3
(1,70)	1:413:A:PRO:HB3	1:414:A:GLN:H	15	2.3
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG2	15	2.3
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG3	15	2.3
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG2	20	2.3
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG3	20	2.3
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB2	16	2.3
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB3	16	2.3
(1,10)	1:430:A:ASN:HA	1:431:A:VAL:H	17	2.3
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	5	2.29
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	5	2.29
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	5	2.29
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	5	2.29
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	5	2.29
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	5	2.29
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	5	2.29
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	5	2.29
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	5	2.29
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	5	2.29
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	5	2.29
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	5	2.29
(1,1537)	1:448:A:PHE:HD1	1:449:A:GLY:H	12	2.29
(1,1537)	1:448:A:PHE:HD2	1:449:A:GLY:H	12	2.29
(1,1503)	1:485:A:ASN:HA	1:485:A:ASN:HB2	12	2.29
(1,1495)	1:486:A:ASP:HA	1:486:A:ASP:HB2	12	2.29
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG21	9	2.29
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG22	9	2.29
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG23	9	2.29
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG21	18	2.29
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG22	18	2.29
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG23	18	2.29
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG21	19	2.29
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG22	19	2.29
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG23	19	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	8	2.29
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	8	2.29
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	17	2.29
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	17	2.29
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG21	9	2.29
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG22	9	2.29
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG23	9	2.29
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG21	18	2.29
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG22	18	2.29
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG23	18	2.29
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG2	3	2.29
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG3	3	2.29
(1,1232)	1:419:A:GLN:HB3	1:420:A:ASP:H	11	2.29
(1,1214)	1:415:A:GLU:H	1:415:A:GLU:HB2	15	2.29
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB2	14	2.29
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB3	14	2.29
(1,1197)	1:441:A:GLN:HB2	1:442:A:THR:H	11	2.29
(1,1093)	1:403:A:GLU:HA	1:404:A:GLY:H	18	2.29
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	20	2.29
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	20	2.29
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	20	2.29
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	20	2.29
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	20	2.29
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	20	2.29
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	20	2.29
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	20	2.29
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	20	2.29
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	7	2.29
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	7	2.29
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	7	2.29
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	7	2.29
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	7	2.29
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	7	2.29
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	7	2.29
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	7	2.29
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	7	2.29
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD11	6	2.29
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD12	6	2.29
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD13	6	2.29
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD11	19	2.29
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD12	19	2.29
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD13	19	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	12	2.29
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	12	2.29
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	12	2.29
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	12	2.29
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	12	2.29
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	12	2.29
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	14	2.29
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	14	2.29
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	14	2.29
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	14	2.29
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	14	2.29
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	14	2.29
(1,997)	1:485:A:ASN:HB2	1:486:A:ASP:H	13	2.29
(1,932)	1:421:A:ILE:HG21	1:422:A:LEU:H	18	2.29
(1,932)	1:421:A:ILE:HG22	1:422:A:LEU:H	18	2.29
(1,932)	1:421:A:ILE:HG23	1:422:A:LEU:H	18	2.29
(1,896)	1:462:A:ALA:HB1	1:463:A:ILE:H	2	2.29
(1,896)	1:462:A:ALA:HB2	1:463:A:ILE:H	2	2.29
(1,896)	1:462:A:ALA:HB3	1:463:A:ILE:H	2	2.29
(1,887)	1:433:A:SER:HB3	1:434:A:ALA:H	9	2.29
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB2	13	2.29
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB3	13	2.29
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	8	2.29
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	8	2.29
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	17	2.29
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	17	2.29
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB1	5	2.29
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB2	5	2.29
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB3	5	2.29
(1,830)	1:450:A:PHE:HB2	1:451:A:VAL:H	9	2.29
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	7	2.29
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	7	2.29
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	7	2.29
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	7	2.29
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	7	2.29
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	7	2.29
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	7	2.29
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	7	2.29
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	7	2.29
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG11	3	2.29
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG12	3	2.29
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG13	3	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	17	2.29
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	17	2.29
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	17	2.29
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	17	2.29
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	17	2.29
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	17	2.29
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	17	2.29
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	17	2.29
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	17	2.29
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG11	20	2.29
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG12	20	2.29
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG13	20	2.29
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG2	20	2.29
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG3	20	2.29
(1,642)	1:439:A:ASP:HB3	1:444:A:LEU:HG	13	2.29
(1,519)	1:432:A:ILE:H	1:433:A:SER:H	19	2.29
(1,476)	1:445:A:SER:H	1:445:A:SER:HB2	1	2.29
(1,475)	1:445:A:SER:H	1:445:A:SER:HB3	20	2.29
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB2	2	2.29
(1,457)	1:460:A:GLN:H	1:460:A:GLN:HB3	2	2.29
(1,395)	1:429:A:GLY:HA2	1:430:A:ASN:H	7	2.29
(1,395)	1:429:A:GLY:HA2	1:430:A:ASN:H	13	2.29
(1,387)	1:419:A:GLN:HB3	1:420:A:ASP:H	11	2.29
(1,377)	1:443:A:ASN:H	1:444:A:LEU:H	2	2.29
(1,377)	1:443:A:ASN:H	1:444:A:LEU:H	8	2.29
(1,355)	1:462:A:ALA:H	1:463:A:ILE:H	20	2.29
(1,347)	1:408:A:PHE:H	1:408:A:PHE:HB2	1	2.29
(1,253)	1:453:A:TYR:H	1:453:A:TYR:HB3	8	2.29
(1,223)	1:417:A:GLY:HA3	1:418:A:ASP:H	16	2.29
(1,211)	1:462:A:ALA:H	1:463:A:ILE:H	20	2.29
(1,203)	1:416:A:PHE:H	1:416:A:PHE:HB2	16	2.29
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB2	14	2.29
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB3	14	2.29
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB2	3	2.29
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB3	3	2.29
(1,153)	1:406:A:ASN:HA	1:407:A:LEU:H	8	2.29
(1,136)	1:421:A:ILE:HG21	1:422:A:LEU:H	18	2.29
(1,136)	1:421:A:ILE:HG22	1:422:A:LEU:H	18	2.29
(1,136)	1:421:A:ILE:HG23	1:422:A:LEU:H	18	2.29
(1,122)	1:473:A:MET:H	1:473:A:MET:HB2	13	2.29
(1,95)	1:450:A:PHE:HA	1:451:A:VAL:H	20	2.29
(1,70)	1:413:A:PRO:HB2	1:414:A:GLN:H	6	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,70)	1:413:A:PRO:HB3	1:414:A:GLN:H	6	2.29
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG21	7	2.29
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG22	7	2.29
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG23	7	2.29
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	10	2.28
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	10	2.28
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	10	2.28
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	10	2.28
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	4	2.28
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	4	2.28
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	4	2.28
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	4	2.28
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	4	2.28
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	4	2.28
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	4	2.28
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	4	2.28
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	4	2.28
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	4	2.28
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	4	2.28
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	4	2.28
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD1	16	2.28
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD2	16	2.28
(1,1506)	1:426:A:MET:HE1	1:430:A:ASN:HA	12	2.28
(1,1506)	1:426:A:MET:HE2	1:430:A:ASN:HA	12	2.28
(1,1506)	1:426:A:MET:HE3	1:430:A:ASN:HA	12	2.28
(1,1496)	1:486:A:ASP:HA	1:486:A:ASP:HB3	14	2.28
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG2	19	2.28
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG3	19	2.28
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD2	17	2.28
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD3	17	2.28
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD2	17	2.28
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD3	17	2.28
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD11	2	2.28
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD12	2	2.28
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD13	2	2.28
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD11	10	2.28
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD12	10	2.28
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD13	10	2.28
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD11	12	2.28
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD12	12	2.28
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD13	12	2.28
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD11	13	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD12	13	2.28
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD13	13	2.28
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD11	2	2.28
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD12	2	2.28
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD13	2	2.28
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD11	10	2.28
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD12	10	2.28
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD13	10	2.28
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD11	12	2.28
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD12	12	2.28
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD13	12	2.28
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD11	13	2.28
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD12	13	2.28
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD13	13	2.28
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG12	3	2.28
(1,1400)	1:432:A:ILE:HG21	1:432:A:ILE:HG13	3	2.28
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG12	3	2.28
(1,1400)	1:432:A:ILE:HG22	1:432:A:ILE:HG13	3	2.28
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG12	3	2.28
(1,1400)	1:432:A:ILE:HG23	1:432:A:ILE:HG13	3	2.28
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	3	2.28
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	3	2.28
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	3	2.28
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	3	2.28
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD11	14	2.28
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD12	14	2.28
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD13	14	2.28
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD21	14	2.28
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD22	14	2.28
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD23	14	2.28
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD11	14	2.28
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD12	14	2.28
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD13	14	2.28
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD21	14	2.28
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD22	14	2.28
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD23	14	2.28
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD11	14	2.28
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD12	14	2.28
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD13	14	2.28
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD21	14	2.28
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD22	14	2.28
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD23	14	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG2	19	2.28
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG3	19	2.28
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	3	2.28
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	3	2.28
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	3	2.28
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	3	2.28
(1,1214)	1:415:A:GLU:H	1:415:A:GLU:HB2	16	2.28
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB2	9	2.28
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB3	9	2.28
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB2	15	2.28
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB3	15	2.28
(1,1170)	1:486:A:ASP:HA	1:486:A:ASP:HB3	14	2.28
(1,1104)	1:441:A:GLN:HA	1:441:A:GLN:HG2	16	2.28
(1,1093)	1:403:A:GLU:HA	1:404:A:GLY:H	10	2.28
(1,1081)	1:422:A:LEU:HD11	1:423:A:GLN:HA	7	2.28
(1,1081)	1:422:A:LEU:HD12	1:423:A:GLN:HA	7	2.28
(1,1081)	1:422:A:LEU:HD13	1:423:A:GLN:HA	7	2.28
(1,1081)	1:422:A:LEU:HD21	1:423:A:GLN:HA	7	2.28
(1,1081)	1:422:A:LEU:HD22	1:423:A:GLN:HA	7	2.28
(1,1081)	1:422:A:LEU:HD23	1:423:A:GLN:HA	7	2.28
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	14	2.28
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	14	2.28
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	14	2.28
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	14	2.28
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	14	2.28
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	14	2.28
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	14	2.28
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	14	2.28
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	14	2.28
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD11	5	2.28
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD12	5	2.28
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD13	5	2.28
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD11	13	2.28
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD12	13	2.28
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD13	13	2.28
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD11	2	2.28
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD12	2	2.28
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD13	2	2.28
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD11	10	2.28
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD12	10	2.28
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD13	10	2.28
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD11	12	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD12	12	2.28
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD13	12	2.28
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD11	13	2.28
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD12	13	2.28
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD13	13	2.28
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	6	2.28
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	6	2.28
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	6	2.28
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	6	2.28
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	6	2.28
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	6	2.28
(1,936)	1:459:A:ALA:HB1	1:460:A:GLN:H	15	2.28
(1,936)	1:459:A:ALA:HB2	1:460:A:GLN:H	15	2.28
(1,936)	1:459:A:ALA:HB3	1:460:A:GLN:H	15	2.28
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG21	9	2.28
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG22	9	2.28
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG23	9	2.28
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG21	17	2.28
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG22	17	2.28
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG23	17	2.28
(1,932)	1:421:A:ILE:HG21	1:422:A:LEU:H	8	2.28
(1,932)	1:421:A:ILE:HG22	1:422:A:LEU:H	8	2.28
(1,932)	1:421:A:ILE:HG23	1:422:A:LEU:H	8	2.28
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	2	2.28
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	2	2.28
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	7	2.28
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	7	2.28
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	12	2.28
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	12	2.28
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB1	15	2.28
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB2	15	2.28
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB3	15	2.28
(1,710)	1:478:A:VAL:HG21	1:479:A:GLN:H	3	2.28
(1,710)	1:478:A:VAL:HG22	1:479:A:GLN:H	3	2.28
(1,710)	1:478:A:VAL:HG23	1:479:A:GLN:H	3	2.28
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	2	2.28
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	2	2.28
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	7	2.28
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	7	2.28
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	12	2.28
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	12	2.28
(1,597)	1:441:A:GLN:HB3	1:442:A:THR:H	5	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,552)	1:424:A:MET:H	1:425:A:PHE:H	19	2.28
(1,532)	1:416:A:PHE:HA	1:417:A:GLY:H	6	2.28
(1,532)	1:416:A:PHE:HA	1:417:A:GLY:H	9	2.28
(1,532)	1:416:A:PHE:HA	1:417:A:GLY:H	10	2.28
(1,527)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	17	2.28
(1,527)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	17	2.28
(1,475)	1:445:A:SER:H	1:445:A:SER:HB3	9	2.28
(1,475)	1:445:A:SER:H	1:445:A:SER:HB3	10	2.28
(1,447)	1:419:A:GLN:H	1:419:A:GLN:HB3	2	2.28
(1,447)	1:419:A:GLN:H	1:419:A:GLN:HB3	12	2.28
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG21	9	2.28
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG22	9	2.28
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG23	9	2.28
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG21	17	2.28
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG22	17	2.28
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG23	17	2.28
(1,435)	1:421:A:ILE:H	1:422:A:LEU:H	7	2.28
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB2	11	2.28
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB3	11	2.28
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB2	19	2.28
(1,431)	1:464:A:GLN:H	1:464:A:GLN:HB3	19	2.28
(1,395)	1:429:A:GLY:HA2	1:430:A:ASN:H	14	2.28
(1,377)	1:443:A:ASN:H	1:444:A:LEU:H	12	2.28
(1,370)	1:482:A:ARG:HB2	1:483:A:SER:H	4	2.28
(1,333)	1:467:A:ASN:H	1:467:A:ASN:HB3	5	2.28
(1,333)	1:467:A:ASN:H	1:467:A:ASN:HB3	7	2.28
(1,333)	1:467:A:ASN:H	1:467:A:ASN:HB3	18	2.28
(1,237)	1:400:A:GLU:H	1:400:A:GLU:HG3	16	2.28
(1,223)	1:417:A:GLY:HA3	1:418:A:ASP:H	6	2.28
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB2	9	2.28
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB3	9	2.28
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB2	15	2.28
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB3	15	2.28
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD11	3	2.28
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD12	3	2.28
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD13	3	2.28
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD21	3	2.28
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD22	3	2.28
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD23	3	2.28
(1,136)	1:421:A:ILE:HG21	1:422:A:LEU:H	8	2.28
(1,136)	1:421:A:ILE:HG22	1:422:A:LEU:H	8	2.28
(1,136)	1:421:A:ILE:HG23	1:422:A:LEU:H	8	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,125)	1:468:A:GLY:H	1:469:A:PHE:H	16	2.28
(1,118)	1:478:A:VAL:HG21	1:479:A:GLN:H	3	2.28
(1,118)	1:478:A:VAL:HG22	1:479:A:GLN:H	3	2.28
(1,118)	1:478:A:VAL:HG23	1:479:A:GLN:H	3	2.28
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB2	14	2.28
(1,109)	1:477:A:LYS:H	1:477:A:LYS:HB3	14	2.28
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG11	13	2.28
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG12	13	2.28
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG13	13	2.28
(1,88)	1:481:A:LYS:H	1:481:A:LYS:HB3	3	2.28
(1,70)	1:413:A:PRO:HB2	1:414:A:GLN:H	8	2.28
(1,70)	1:413:A:PRO:HB3	1:414:A:GLN:H	8	2.28
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB2	7	2.28
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB3	7	2.28
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG21	3	2.28
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG22	3	2.28
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG23	3	2.28
(1,1598)	1:453:A:TYR:HE1	1:459:A:ALA:HA	2	2.27
(1,1598)	1:453:A:TYR:HE2	1:459:A:ALA:HA	2	2.27
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD1	2	2.27
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD2	2	2.27
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD1	12	2.27
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD2	12	2.27
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD2	19	2.27
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD3	19	2.27
(1,1503)	1:485:A:ASN:HA	1:485:A:ASN:HB2	17	2.27
(1,1503)	1:485:A:ASN:HA	1:485:A:ASN:HB2	18	2.27
(1,1500)	1:463:A:ILE:HG21	1:479:A:GLN:HA	19	2.27
(1,1500)	1:463:A:ILE:HG22	1:479:A:GLN:HA	19	2.27
(1,1500)	1:463:A:ILE:HG23	1:479:A:GLN:HA	19	2.27
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD2	19	2.27
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD3	19	2.27
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG2	8	2.27
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG3	8	2.27
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG2	20	2.27
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG3	20	2.27
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD11	4	2.27
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD12	4	2.27
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD13	4	2.27
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD11	4	2.27
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD12	4	2.27
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD13	4	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG21	12	2.27
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG22	12	2.27
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG23	12	2.27
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE2	2	2.27
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE3	2	2.27
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE2	2	2.27
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE3	2	2.27
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	7	2.27
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	7	2.27
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	7	2.27
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	7	2.27
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG2	8	2.27
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG3	8	2.27
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG2	20	2.27
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG3	20	2.27
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG2	12	2.27
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG3	12	2.27
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	3	2.27
(1,1215)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	3	2.27
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	3	2.27
(1,1215)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	3	2.27
(1,1180)	1:463:A:ILE:HG21	1:479:A:GLN:HA	19	2.27
(1,1180)	1:463:A:ILE:HG22	1:479:A:GLN:HA	19	2.27
(1,1180)	1:463:A:ILE:HG23	1:479:A:GLN:HA	19	2.27
(1,1163)	1:453:A:TYR:HE1	1:459:A:ALA:HA	2	2.27
(1,1163)	1:453:A:TYR:HE2	1:459:A:ALA:HA	2	2.27
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG2	20	2.27
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG3	20	2.27
(1,1106)	1:478:A:VAL:H	1:478:A:VAL:HB	5	2.27
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	16	2.27
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	16	2.27
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	16	2.27
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	16	2.27
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	16	2.27
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	16	2.27
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD11	16	2.27
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD12	16	2.27
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD13	16	2.27
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD11	4	2.27
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD12	4	2.27
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD13	4	2.27
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD11	4	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD12	4	2.27
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD13	4	2.27
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG21	17	2.27
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG22	17	2.27
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG23	17	2.27
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	2	2.27
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	2	2.27
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	2	2.27
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	2	2.27
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	2	2.27
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	2	2.27
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	18	2.27
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	18	2.27
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	18	2.27
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	18	2.27
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	18	2.27
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	18	2.27
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB1	14	2.27
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB2	14	2.27
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB3	14	2.27
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	14	2.27
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	14	2.27
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD2	19	2.27
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD3	19	2.27
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB1	12	2.27
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB2	12	2.27
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB3	12	2.27
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB1	18	2.27
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB2	18	2.27
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB3	18	2.27
(1,710)	1:478:A:VAL:HG21	1:479:A:GLN:H	19	2.27
(1,710)	1:478:A:VAL:HG22	1:479:A:GLN:H	19	2.27
(1,710)	1:478:A:VAL:HG23	1:479:A:GLN:H	19	2.27
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	7	2.27
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	7	2.27
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	7	2.27
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	7	2.27
(1,679)	1:477:A:LYS:HG2	1:478:A:VAL:H	15	2.27
(1,679)	1:477:A:LYS:HG3	1:478:A:VAL:H	15	2.27
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	14	2.27
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	14	2.27
(1,599)	1:428:A:PHE:H	1:429:A:GLY:H	13	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,552)	1:424:A:MET:H	1:425:A:PHE:H	11	2.27
(1,532)	1:416:A:PHE:HA	1:417:A:GLY:H	15	2.27
(1,527)	1:430:A:ASN:HB2	1:430:A:ASN:HD21	4	2.27
(1,527)	1:430:A:ASN:HB3	1:430:A:ASN:HD21	4	2.27
(1,502)	1:411:A:HIS:H	1:412:A:LEU:H	10	2.27
(1,476)	1:445:A:SER:H	1:445:A:SER:HB2	15	2.27
(1,462)	1:423:A:GLN:H	1:424:A:MET:H	7	2.27
(1,447)	1:419:A:GLN:H	1:419:A:GLN:HB3	4	2.27
(1,414)	1:441:A:GLN:H	1:441:A:GLN:HG3	19	2.27
(1,360)	1:463:A:ILE:H	1:463:A:ILE:HB	10	2.27
(1,360)	1:463:A:ILE:H	1:463:A:ILE:HB	18	2.27
(1,347)	1:408:A:PHE:H	1:408:A:PHE:HB2	6	2.27
(1,333)	1:467:A:ASN:H	1:467:A:ASN:HB3	16	2.27
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG2	12	2.27
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG3	12	2.27
(1,223)	1:417:A:GLY:HA3	1:418:A:ASP:H	4	2.27
(1,222)	1:418:A:ASP:H	1:419:A:GLN:H	12	2.27
(1,203)	1:416:A:PHE:H	1:416:A:PHE:HB2	8	2.27
(1,118)	1:478:A:VAL:HG21	1:479:A:GLN:H	19	2.27
(1,118)	1:478:A:VAL:HG22	1:479:A:GLN:H	19	2.27
(1,118)	1:478:A:VAL:HG23	1:479:A:GLN:H	19	2.27
(1,84)	1:406:A:ASN:H	1:481:A:LYS:H	11	2.27
(1,70)	1:413:A:PRO:HB2	1:414:A:GLN:H	14	2.27
(1,70)	1:413:A:PRO:HB3	1:414:A:GLN:H	14	2.27
(1,70)	1:413:A:PRO:HB2	1:414:A:GLN:H	17	2.27
(1,70)	1:413:A:PRO:HB3	1:414:A:GLN:H	17	2.27
(1,37)	1:478:A:VAL:H	1:478:A:VAL:HB	5	2.27
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB2	12	2.27
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB3	12	2.27
(1,20)	1:425:A:PHE:H	1:426:A:MET:H	1	2.27
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG21	5	2.27
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG22	5	2.27
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG23	5	2.27
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG21	18	2.27
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG22	18	2.27
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG23	18	2.27
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	16	2.26
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	16	2.26
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	16	2.26
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	16	2.26
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	16	2.26
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	16	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	16	2.26
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	16	2.26
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	16	2.26
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	16	2.26
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	16	2.26
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	16	2.26
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD1	5	2.26
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD2	5	2.26
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD2	20	2.26
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD3	20	2.26
(1,1496)	1:486:A:ASP:HA	1:486:A:ASP:HB3	5	2.26
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG2	1	2.26
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG3	1	2.26
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD11	18	2.26
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD12	18	2.26
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD13	18	2.26
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG21	10	2.26
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG22	10	2.26
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG23	10	2.26
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD11	18	2.26
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD12	18	2.26
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD13	18	2.26
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG21	11	2.26
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG22	11	2.26
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG23	11	2.26
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	10	2.26
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	10	2.26
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	10	2.26
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	10	2.26
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	10	2.26
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	10	2.26
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	10	2.26
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	10	2.26
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	10	2.26
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB1	14	2.26
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB2	14	2.26
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB3	14	2.26
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	3	2.26
(1,1357)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	3	2.26
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG12	7	2.26
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG13	7	2.26
(1,1342)	1:405:A:ALA:HB1	1:453:A:TYR:HB3	16	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1342)	1:405:A:ALA:HB2	1:453:A:TYR:HB3	16	2.26
(1,1342)	1:405:A:ALA:HB3	1:453:A:TYR:HB3	16	2.26
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG11	7	2.26
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG12	7	2.26
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG13	7	2.26
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG21	10	2.26
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG22	10	2.26
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG23	10	2.26
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG11	14	2.26
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG12	14	2.26
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG13	14	2.26
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG11	14	2.26
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG12	14	2.26
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG13	14	2.26
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	9	2.26
(1,1258)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	9	2.26
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	9	2.26
(1,1258)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	9	2.26
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG2	6	2.26
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG3	6	2.26
(1,1172)	1:457:A:VAL:H	1:457:A:VAL:HB	2	2.26
(1,1170)	1:486:A:ASP:HA	1:486:A:ASP:HB3	5	2.26
(1,1111)	1:423:A:GLN:HA	1:423:A:GLN:HG2	1	2.26
(1,1100)	1:474:A:LYS:HB2	1:475:A:ARG:H	6	2.26
(1,1100)	1:474:A:LYS:HB3	1:475:A:ARG:H	6	2.26
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	6	2.26
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	6	2.26
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	6	2.26
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	6	2.26
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	6	2.26
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	6	2.26
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	6	2.26
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	6	2.26
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	6	2.26
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	10	2.26
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	10	2.26
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	10	2.26
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	10	2.26
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	10	2.26
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	10	2.26
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	10	2.26
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	10	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	10	2.26
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	18	2.26
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	18	2.26
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	18	2.26
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	18	2.26
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	18	2.26
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	18	2.26
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD11	3	2.26
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD12	3	2.26
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD13	3	2.26
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD11	20	2.26
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD12	20	2.26
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD13	20	2.26
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD11	18	2.26
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD12	18	2.26
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD13	18	2.26
(1,1000)	1:467:A:ASN:H	1:467:A:ASN:HB2	20	2.26
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB1	9	2.26
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB2	9	2.26
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB3	9	2.26
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB2	8	2.26
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB3	8	2.26
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD2	3	2.26
(1,870)	1:482:A:ARG:HB3	1:482:A:ARG:HD3	3	2.26
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG12	7	2.26
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG13	7	2.26
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB1	6	2.26
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB2	6	2.26
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB3	6	2.26
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	6	2.26
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	6	2.26
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	6	2.26
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	6	2.26
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	6	2.26
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	6	2.26
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	6	2.26
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	6	2.26
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	6	2.26
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB1	10	2.26
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB2	10	2.26
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB3	10	2.26
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE2	9	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,685)	1:399:A:LYS:HG2	1:399:A:LYS:HE3	9	2.26
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE2	9	2.26
(1,685)	1:399:A:LYS:HG3	1:399:A:LYS:HE3	9	2.26
(1,565)	1:410:A:TYR:HB2	1:411:A:HIS:H	10	2.26
(1,552)	1:424:A:MET:H	1:425:A:PHE:H	7	2.26
(1,543)	1:454:A:ASP:H	1:454:A:ASP:HB2	13	2.26
(1,532)	1:416:A:PHE:HA	1:417:A:GLY:H	2	2.26
(1,502)	1:411:A:HIS:H	1:412:A:LEU:H	20	2.26
(1,435)	1:421:A:ILE:H	1:422:A:LEU:H	1	2.26
(1,411)	1:440:A:LYS:H	1:441:A:GLN:H	5	2.26
(1,378)	1:443:A:ASN:HA	1:444:A:LEU:H	4	2.26
(1,372)	1:458:A:SER:H	1:458:A:SER:HB2	11	2.26
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB2	4	2.26
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB3	4	2.26
(1,273)	1:457:A:VAL:H	1:457:A:VAL:HB	2	2.26
(1,252)	1:402:A:PRO:HD2	1:453:A:TYR:H	11	2.26
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD11	2	2.26
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD12	2	2.26
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD13	2	2.26
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD21	2	2.26
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD22	2	2.26
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD23	2	2.26
(1,125)	1:468:A:GLY:H	1:469:A:PHE:H	4	2.26
(1,116)	1:490:A:TYR:H	1:490:A:TYR:HB2	3	2.26
(1,114)	1:489:A:PRO:HA	1:490:A:TYR:H	3	2.26
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG11	14	2.26
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG12	14	2.26
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG13	14	2.26
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG11	15	2.26
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG12	15	2.26
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG13	15	2.26
(1,95)	1:450:A:PHE:HA	1:451:A:VAL:H	17	2.26
(1,86)	1:480:A:LEU:HA	1:481:A:LYS:H	16	2.26
(1,47)	1:439:A:ASP:H	1:439:A:ASP:HB3	19	2.26
(1,20)	1:425:A:PHE:H	1:426:A:MET:H	14	2.26
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD1	12	2.25
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD2	12	2.25
(1,1532)	1:422:A:LEU:HA	1:422:A:LEU:HG	9	2.25
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD2	11	2.25
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD3	11	2.25
(1,1503)	1:485:A:ASN:HA	1:485:A:ASN:HB2	8	2.25
(1,1500)	1:463:A:ILE:HG21	1:479:A:GLN:HA	1	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1500)	1:463:A:ILE:HG22	1:479:A:GLN:HA	1	2.25
(1,1500)	1:463:A:ILE:HG23	1:479:A:GLN:HA	1	2.25
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD2	11	2.25
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD3	11	2.25
(1,1485)	1:398:A:GLN:HA	1:398:A:GLN:HG3	2	2.25
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD11	3	2.25
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD12	3	2.25
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD13	3	2.25
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD11	3	2.25
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD12	3	2.25
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD13	3	2.25
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD11	3	2.25
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD12	3	2.25
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD13	3	2.25
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD11	3	2.25
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD12	3	2.25
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD13	3	2.25
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB1	18	2.25
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB2	18	2.25
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB3	18	2.25
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG12	14	2.25
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG13	14	2.25
(1,1324)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	3	2.25
(1,1324)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	3	2.25
(1,1324)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	3	2.25
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	19	2.25
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	19	2.25
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	19	2.25
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	19	2.25
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	19	2.25
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	19	2.25
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	19	2.25
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	19	2.25
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	19	2.25
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG11	2	2.25
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG12	2	2.25
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG13	2	2.25
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG11	2	2.25
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG12	2	2.25
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG13	2	2.25
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG11	12	2.25
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG12	12	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG13	12	2.25
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG11	12	2.25
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG12	12	2.25
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG13	12	2.25
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	1	2.25
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	1	2.25
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	1	2.25
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	1	2.25
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	1	2.25
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	1	2.25
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	1	2.25
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	1	2.25
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	1	2.25
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	1	2.25
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	1	2.25
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	1	2.25
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	1	2.25
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	1	2.25
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	1	2.25
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	1	2.25
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	1	2.25
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	1	2.25
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG2	13	2.25
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG3	13	2.25
(1,1228)	1:455:A:ASN:HA	1:456:A:PRO:HD3	7	2.25
(1,1228)	1:455:A:ASN:HA	1:456:A:PRO:HD3	10	2.25
(1,1228)	1:455:A:ASN:HA	1:456:A:PRO:HD3	13	2.25
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB2	17	2.25
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB3	17	2.25
(1,1180)	1:463:A:ILE:HG21	1:479:A:GLN:HA	1	2.25
(1,1180)	1:463:A:ILE:HG22	1:479:A:GLN:HA	1	2.25
(1,1180)	1:463:A:ILE:HG23	1:479:A:GLN:HA	1	2.25
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG2	9	2.25
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG3	9	2.25
(1,1110)	1:423:A:GLN:H	1:423:A:GLN:HG3	3	2.25
(1,1106)	1:478:A:VAL:H	1:478:A:VAL:HB	13	2.25
(1,1102)	1:441:A:GLN:HB2	1:441:A:GLN:HG3	19	2.25
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD11	4	2.25
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD12	4	2.25
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD13	4	2.25
(1,932)	1:421:A:ILE:HG21	1:422:A:LEU:H	11	2.25
(1,932)	1:421:A:ILE:HG22	1:422:A:LEU:H	11	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:421:A:ILE:HG23	1:422:A:LEU:H	11	2.25
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	10	2.25
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	10	2.25
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB2	20	2.25
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB3	20	2.25
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG12	14	2.25
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG13	14	2.25
(1,837)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	3	2.25
(1,837)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	3	2.25
(1,837)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	3	2.25
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	19	2.25
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	19	2.25
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	19	2.25
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	19	2.25
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	19	2.25
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	19	2.25
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	19	2.25
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	19	2.25
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	19	2.25
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB1	6	2.25
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB2	6	2.25
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB3	6	2.25
(1,809)	1:434:A:ALA:HB1	1:435:A:LYS:H	18	2.25
(1,809)	1:434:A:ALA:HB2	1:435:A:LYS:H	18	2.25
(1,809)	1:434:A:ALA:HB3	1:435:A:LYS:H	18	2.25
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG11	15	2.25
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG12	15	2.25
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG13	15	2.25
(1,720)	1:444:A:LEU:HD11	1:445:A:SER:H	18	2.25
(1,720)	1:444:A:LEU:HD12	1:445:A:SER:H	18	2.25
(1,720)	1:444:A:LEU:HD13	1:445:A:SER:H	18	2.25
(1,720)	1:444:A:LEU:HD21	1:445:A:SER:H	18	2.25
(1,720)	1:444:A:LEU:HD22	1:445:A:SER:H	18	2.25
(1,720)	1:444:A:LEU:HD23	1:445:A:SER:H	18	2.25
(1,654)	1:474:A:LYS:H	1:474:A:LYS:HG2	13	2.25
(1,585)	1:428:A:PHE:H	1:428:A:PHE:HB2	19	2.25
(1,561)	1:410:A:TYR:HD1	1:411:A:HIS:H	8	2.25
(1,561)	1:410:A:TYR:HD2	1:411:A:HIS:H	8	2.25
(1,540)	1:454:A:ASP:H	1:454:A:ASP:HB3	4	2.25
(1,479)	1:444:A:LEU:HD11	1:445:A:SER:H	18	2.25
(1,479)	1:444:A:LEU:HD12	1:445:A:SER:H	18	2.25
(1,479)	1:444:A:LEU:HD13	1:445:A:SER:H	18	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:444:A:LEU:HD21	1:445:A:SER:H	18	2.25
(1,479)	1:444:A:LEU:HD22	1:445:A:SER:H	18	2.25
(1,479)	1:444:A:LEU:HD23	1:445:A:SER:H	18	2.25
(1,447)	1:419:A:GLN:H	1:419:A:GLN:HB3	18	2.25
(1,444)	1:419:A:GLN:H	1:420:A:ASP:H	1	2.25
(1,444)	1:419:A:GLN:H	1:420:A:ASP:H	18	2.25
(1,436)	1:420:A:ASP:H	1:421:A:ILE:H	9	2.25
(1,395)	1:429:A:GLY:HA2	1:430:A:ASN:H	6	2.25
(1,371)	1:458:A:SER:H	1:458:A:SER:HB3	8	2.25
(1,321)	1:433:A:SER:H	1:452:A:SER:H	18	2.25
(1,318)	1:473:A:MET:H	1:474:A:LYS:H	4	2.25
(1,268)	1:457:A:VAL:H	1:458:A:SER:H	11	2.25
(1,257)	1:434:A:ALA:HB1	1:435:A:LYS:H	18	2.25
(1,257)	1:434:A:ALA:HB2	1:435:A:LYS:H	18	2.25
(1,257)	1:434:A:ALA:HB3	1:435:A:LYS:H	18	2.25
(1,223)	1:417:A:GLY:HA3	1:418:A:ASP:H	1	2.25
(1,203)	1:416:A:PHE:H	1:416:A:PHE:HB2	14	2.25
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB2	17	2.25
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB3	17	2.25
(1,136)	1:421:A:ILE:HG21	1:422:A:LEU:H	11	2.25
(1,136)	1:421:A:ILE:HG22	1:422:A:LEU:H	11	2.25
(1,136)	1:421:A:ILE:HG23	1:422:A:LEU:H	11	2.25
(1,132)	1:434:A:ALA:HB1	1:451:A:VAL:H	11	2.25
(1,132)	1:434:A:ALA:HB2	1:451:A:VAL:H	11	2.25
(1,132)	1:434:A:ALA:HB3	1:451:A:VAL:H	11	2.25
(1,121)	1:473:A:MET:H	1:473:A:MET:HG2	7	2.25
(1,120)	1:473:A:MET:H	1:473:A:MET:HG3	9	2.25
(1,119)	1:473:A:MET:H	1:474:A:LYS:H	4	2.25
(1,75)	1:446:A:LYS:H	1:447:A:CYS:H	12	2.25
(1,55)	1:471:A:ILE:H	1:475:A:ARG:HA	13	2.25
(1,37)	1:478:A:VAL:H	1:478:A:VAL:HB	13	2.25
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG2	5	2.25
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG3	5	2.25
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB2	20	2.25
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB3	20	2.25
(1,20)	1:425:A:PHE:H	1:426:A:MET:H	9	2.25
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD1	4	2.24
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD2	4	2.24
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	14	2.24
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	14	2.24
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	14	2.24
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	14	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	14	2.24
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	14	2.24
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	14	2.24
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	14	2.24
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	14	2.24
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	14	2.24
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	14	2.24
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	14	2.24
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD2	7	2.24
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD3	7	2.24
(1,1503)	1:485:A:ASN:HA	1:485:A:ASN:HB2	1	2.24
(1,1496)	1:486:A:ASP:HA	1:486:A:ASP:HB3	11	2.24
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD2	7	2.24
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD3	7	2.24
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG2	1	2.24
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG3	1	2.24
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG2	2	2.24
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG3	2	2.24
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG2	5	2.24
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG3	5	2.24
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG2	6	2.24
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG3	6	2.24
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD11	11	2.24
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD12	11	2.24
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD13	11	2.24
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG21	1	2.24
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG22	1	2.24
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG23	1	2.24
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG21	4	2.24
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG22	4	2.24
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG23	4	2.24
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG21	13	2.24
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG22	13	2.24
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG23	13	2.24
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD11	11	2.24
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD12	11	2.24
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD13	11	2.24
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG21	18	2.24
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG22	18	2.24
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG23	18	2.24
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	16	2.24
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	16	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	16	2.24
(1,1324)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	8	2.24
(1,1324)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	8	2.24
(1,1324)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	8	2.24
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG21	1	2.24
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG22	1	2.24
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG23	1	2.24
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG21	4	2.24
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG22	4	2.24
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG23	4	2.24
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG21	13	2.24
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG22	13	2.24
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG23	13	2.24
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG11	16	2.24
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG12	16	2.24
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG13	16	2.24
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG11	16	2.24
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG12	16	2.24
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG13	16	2.24
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG2	1	2.24
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG3	1	2.24
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG2	2	2.24
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG3	2	2.24
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG2	5	2.24
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG3	5	2.24
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG2	6	2.24
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG3	6	2.24
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB2	8	2.24
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB3	8	2.24
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB2	19	2.24
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB3	19	2.24
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB2	20	2.24
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB3	20	2.24
(1,1170)	1:486:A:ASP:HA	1:486:A:ASP:HB3	11	2.24
(1,1104)	1:441:A:GLN:HA	1:441:A:GLN:HG2	17	2.24
(1,1103)	1:441:A:GLN:HA	1:441:A:GLN:HG3	5	2.24
(1,1100)	1:474:A:LYS:HB2	1:475:A:ARG:H	9	2.24
(1,1100)	1:474:A:LYS:HB3	1:475:A:ARG:H	9	2.24
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	18	2.24
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	18	2.24
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	18	2.24
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	18	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	18	2.24
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	18	2.24
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	18	2.24
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	18	2.24
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	18	2.24
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD11	11	2.24
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD12	11	2.24
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD13	11	2.24
(1,997)	1:485:A:ASN:HB2	1:486:A:ASP:H	3	2.24
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB1	10	2.24
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB2	10	2.24
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB3	10	2.24
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	4	2.24
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	4	2.24
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	18	2.24
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	18	2.24
(1,896)	1:462:A:ALA:HB1	1:463:A:ILE:H	6	2.24
(1,896)	1:462:A:ALA:HB2	1:463:A:ILE:H	6	2.24
(1,896)	1:462:A:ALA:HB3	1:463:A:ILE:H	6	2.24
(1,887)	1:433:A:SER:HB3	1:434:A:ALA:H	15	2.24
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	16	2.24
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	16	2.24
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	16	2.24
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	16	2.24
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	16	2.24
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	16	2.24
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	16	2.24
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	16	2.24
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	16	2.24
(1,837)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	8	2.24
(1,837)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	8	2.24
(1,837)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	8	2.24
(1,788)	1:478:A:VAL:HG11	1:479:A:GLN:H	8	2.24
(1,788)	1:478:A:VAL:HG12	1:479:A:GLN:H	8	2.24
(1,788)	1:478:A:VAL:HG13	1:479:A:GLN:H	8	2.24
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG21	9	2.24
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG22	9	2.24
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG23	9	2.24
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	18	2.24
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	18	2.24
(1,585)	1:428:A:PHE:H	1:428:A:PHE:HB2	18	2.24
(1,552)	1:424:A:MET:H	1:425:A:PHE:H	3	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,532)	1:416:A:PHE:HA	1:417:A:GLY:H	14	2.24
(1,486)	1:406:A:ASN:H	1:406:A:ASN:HB2	5	2.24
(1,475)	1:445:A:SER:H	1:445:A:SER:HB3	17	2.24
(1,451)	1:460:A:GLN:H	1:480:A:LEU:HG	17	2.24
(1,414)	1:441:A:GLN:H	1:441:A:GLN:HG3	12	2.24
(1,414)	1:441:A:GLN:H	1:441:A:GLN:HG3	13	2.24
(1,396)	1:429:A:GLY:HA3	1:430:A:ASN:H	5	2.24
(1,377)	1:443:A:ASN:H	1:444:A:LEU:H	10	2.24
(1,371)	1:458:A:SER:H	1:458:A:SER:HB3	9	2.24
(1,370)	1:482:A:ARG:HB2	1:483:A:SER:H	10	2.24
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG21	9	2.24
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG22	9	2.24
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG23	9	2.24
(1,333)	1:467:A:ASN:H	1:467:A:ASN:HB3	13	2.24
(1,333)	1:467:A:ASN:H	1:467:A:ASN:HB3	15	2.24
(1,318)	1:473:A:MET:H	1:474:A:LYS:H	11	2.24
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB2	13	2.24
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB3	13	2.24
(1,312)	1:474:A:LYS:HB3	1:475:A:ARG:H	5	2.24
(1,264)	1:409:A:ILE:H	1:450:A:PHE:HA	11	2.24
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB2	8	2.24
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB3	8	2.24
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB2	19	2.24
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB3	19	2.24
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB2	20	2.24
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB3	20	2.24
(1,119)	1:473:A:MET:H	1:474:A:LYS:H	11	2.24
(1,95)	1:450:A:PHE:HA	1:451:A:VAL:H	8	2.24
(1,95)	1:450:A:PHE:HA	1:451:A:VAL:H	19	2.24
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD1	13	2.23
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD2	13	2.23
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD1	14	2.23
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD2	14	2.23
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	19	2.23
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	19	2.23
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	19	2.23
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	19	2.23
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	19	2.23
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	19	2.23
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD2	15	2.23
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD3	15	2.23
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD2	15	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD3	15	2.23
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG2	3	2.23
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG3	3	2.23
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD11	17	2.23
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD12	17	2.23
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD13	17	2.23
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG21	2	2.23
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG22	2	2.23
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG23	2	2.23
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD11	17	2.23
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD12	17	2.23
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD13	17	2.23
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG21	3	2.23
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG22	3	2.23
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG23	3	2.23
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG21	14	2.23
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG22	14	2.23
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG23	14	2.23
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG21	2	2.23
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG22	2	2.23
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG23	2	2.23
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG2	9	2.23
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG3	9	2.23
(1,1136)	1:456:A:PRO:HB2	1:457:A:VAL:H	11	2.23
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	5	2.23
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	5	2.23
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	5	2.23
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	5	2.23
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	5	2.23
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	5	2.23
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	5	2.23
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	5	2.23
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	5	2.23
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD11	17	2.23
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD12	17	2.23
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD13	17	2.23
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	20	2.23
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	20	2.23
(1,880)	1:480:A:LEU:HB2	1:481:A:LYS:H	5	2.23
(1,880)	1:480:A:LEU:HB3	1:481:A:LYS:H	5	2.23
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	5	2.23
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	5	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	5	2.23
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	5	2.23
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	5	2.23
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	5	2.23
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	5	2.23
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	5	2.23
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	5	2.23
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	20	2.23
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	20	2.23
(1,659)	1:480:A:LEU:HG	1:481:A:LYS:H	11	2.23
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	17	2.23
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	17	2.23
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	17	2.23
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	17	2.23
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	17	2.23
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	17	2.23
(1,585)	1:428:A:PHE:H	1:428:A:PHE:HB2	10	2.23
(1,565)	1:410:A:TYR:HB2	1:411:A:HIS:H	13	2.23
(1,556)	1:424:A:MET:HB2	1:425:A:PHE:H	19	2.23
(1,556)	1:424:A:MET:HB3	1:425:A:PHE:H	19	2.23
(1,552)	1:424:A:MET:H	1:425:A:PHE:H	6	2.23
(1,532)	1:416:A:PHE:HA	1:417:A:GLY:H	17	2.23
(1,512)	1:454:A:ASP:HB3	1:455:A:ASN:H	11	2.23
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD11	15	2.23
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD12	15	2.23
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD13	15	2.23
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD21	15	2.23
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD22	15	2.23
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD23	15	2.23
(1,411)	1:440:A:LYS:H	1:441:A:GLN:H	15	2.23
(1,396)	1:429:A:GLY:HA3	1:430:A:ASN:H	15	2.23
(1,395)	1:429:A:GLY:HA2	1:430:A:ASN:H	2	2.23
(1,395)	1:429:A:GLY:HA2	1:430:A:ASN:H	10	2.23
(1,373)	1:457:A:VAL:HB	1:458:A:SER:H	13	2.23
(1,360)	1:463:A:ILE:H	1:463:A:ILE:HB	7	2.23
(1,333)	1:467:A:ASN:H	1:467:A:ASN:HB3	10	2.23
(1,333)	1:467:A:ASN:H	1:467:A:ASN:HB3	14	2.23
(1,333)	1:467:A:ASN:H	1:467:A:ASN:HB3	19	2.23
(1,318)	1:473:A:MET:H	1:474:A:LYS:H	18	2.23
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG2	9	2.23
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG3	9	2.23
(1,312)	1:474:A:LYS:HB3	1:475:A:ARG:H	8	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,274)	1:456:A:PRO:HB2	1:457:A:VAL:H	11	2.23
(1,223)	1:417:A:GLY:HA3	1:418:A:ASP:H	8	2.23
(1,166)	1:463:A:ILE:HG21	1:480:A:LEU:H	5	2.23
(1,166)	1:463:A:ILE:HG22	1:480:A:LEU:H	5	2.23
(1,166)	1:463:A:ILE:HG23	1:480:A:LEU:H	5	2.23
(1,125)	1:468:A:GLY:H	1:469:A:PHE:H	6	2.23
(1,125)	1:468:A:GLY:H	1:469:A:PHE:H	19	2.23
(1,119)	1:473:A:MET:H	1:474:A:LYS:H	18	2.23
(1,89)	1:481:A:LYS:H	1:481:A:LYS:HB2	14	2.23
(1,89)	1:481:A:LYS:H	1:481:A:LYS:HB2	16	2.23
(1,70)	1:413:A:PRO:HB2	1:414:A:GLN:H	7	2.23
(1,70)	1:413:A:PRO:HB3	1:414:A:GLN:H	7	2.23
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB2	4	2.23
(1,31)	1:440:A:LYS:H	1:440:A:LYS:HB3	4	2.23
(1,24)	1:426:A:MET:H	1:431:A:VAL:HA	4	2.23
(1,20)	1:425:A:PHE:H	1:426:A:MET:H	5	2.23
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD1	4	2.22
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD2	4	2.22
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	6	2.22
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	6	2.22
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	6	2.22
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	6	2.22
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	5	2.22
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	5	2.22
(1,1455)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	3	2.22
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD11	16	2.22
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD12	16	2.22
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD13	16	2.22
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD11	1	2.22
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD12	1	2.22
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD13	1	2.22
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD11	16	2.22
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD12	16	2.22
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD13	16	2.22
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	13	2.22
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	13	2.22
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	13	2.22
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	13	2.22
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	6	2.22
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	6	2.22
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	6	2.22
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	6	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	6	2.22
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	6	2.22
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	6	2.22
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	6	2.22
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	6	2.22
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	6	2.22
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	6	2.22
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	6	2.22
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	6	2.22
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	6	2.22
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	6	2.22
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	6	2.22
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	6	2.22
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	6	2.22
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	6	2.22
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	6	2.22
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	6	2.22
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	6	2.22
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	6	2.22
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	6	2.22
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	6	2.22
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	6	2.22
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	6	2.22
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	13	2.22
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	13	2.22
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	13	2.22
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	13	2.22
(1,1249)	1:480:A:LEU:HA	1:480:A:LEU:HG	6	2.22
(1,1223)	1:423:A:GLN:HB2	1:424:A:MET:H	16	2.22
(1,1223)	1:423:A:GLN:HB3	1:424:A:MET:H	16	2.22
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB2	3	2.22
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB3	3	2.22
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB2	11	2.22
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB3	11	2.22
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB2	18	2.22
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB3	18	2.22
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG2	2	2.22
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG3	2	2.22
(1,1106)	1:478:A:VAL:H	1:478:A:VAL:HB	10	2.22
(1,1104)	1:441:A:GLN:HA	1:441:A:GLN:HG2	6	2.22
(1,1100)	1:474:A:LYS:HB2	1:475:A:ARG:H	10	2.22
(1,1100)	1:474:A:LYS:HB3	1:475:A:ARG:H	10	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	2	2.22
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	2	2.22
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	2	2.22
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	2	2.22
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	2	2.22
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	2	2.22
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	2	2.22
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	2	2.22
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	2	2.22
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD11	14	2.22
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD12	14	2.22
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD13	14	2.22
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	11	2.22
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	11	2.22
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	11	2.22
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	11	2.22
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	11	2.22
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	11	2.22
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD11	16	2.22
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD12	16	2.22
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD13	16	2.22
(1,975)	1:438:A:ILE:HG21	1:439:A:ASP:H	11	2.22
(1,975)	1:438:A:ILE:HG22	1:439:A:ASP:H	11	2.22
(1,975)	1:438:A:ILE:HG23	1:439:A:ASP:H	11	2.22
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	2	2.22
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	2	2.22
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	2	2.22
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	2	2.22
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	2	2.22
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	2	2.22
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	2	2.22
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	2	2.22
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	2	2.22
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	6	2.22
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	6	2.22
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	6	2.22
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	6	2.22
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	6	2.22
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	6	2.22
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	6	2.22
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	6	2.22
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	6	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB1	1	2.22
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB2	1	2.22
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB3	1	2.22
(1,762)	1:457:A:VAL:HG11	1:458:A:SER:H	16	2.22
(1,762)	1:457:A:VAL:HG12	1:458:A:SER:H	16	2.22
(1,762)	1:457:A:VAL:HG13	1:458:A:SER:H	16	2.22
(1,762)	1:457:A:VAL:HG21	1:458:A:SER:H	16	2.22
(1,762)	1:457:A:VAL:HG22	1:458:A:SER:H	16	2.22
(1,762)	1:457:A:VAL:HG23	1:458:A:SER:H	16	2.22
(1,710)	1:478:A:VAL:HG21	1:479:A:GLN:H	9	2.22
(1,710)	1:478:A:VAL:HG22	1:479:A:GLN:H	9	2.22
(1,710)	1:478:A:VAL:HG23	1:479:A:GLN:H	9	2.22
(1,585)	1:428:A:PHE:H	1:428:A:PHE:HB2	14	2.22
(1,565)	1:410:A:TYR:HB2	1:411:A:HIS:H	2	2.22
(1,556)	1:424:A:MET:HB2	1:425:A:PHE:H	8	2.22
(1,556)	1:424:A:MET:HB3	1:425:A:PHE:H	8	2.22
(1,552)	1:424:A:MET:H	1:425:A:PHE:H	13	2.22
(1,534)	1:453:A:TYR:HD1	1:454:A:ASP:H	9	2.22
(1,534)	1:453:A:TYR:HD2	1:454:A:ASP:H	9	2.22
(1,532)	1:416:A:PHE:HA	1:417:A:GLY:H	13	2.22
(1,512)	1:454:A:ASP:HB3	1:455:A:ASN:H	16	2.22
(1,471)	1:423:A:GLN:HB2	1:424:A:MET:H	16	2.22
(1,471)	1:423:A:GLN:HB3	1:424:A:MET:H	16	2.22
(1,435)	1:421:A:ILE:H	1:422:A:LEU:H	2	2.22
(1,435)	1:421:A:ILE:H	1:422:A:LEU:H	4	2.22
(1,411)	1:440:A:LYS:H	1:441:A:GLN:H	10	2.22
(1,396)	1:429:A:GLY:HA3	1:430:A:ASN:H	4	2.22
(1,395)	1:429:A:GLY:HA2	1:430:A:ASN:H	18	2.22
(1,370)	1:482:A:ARG:HB2	1:483:A:SER:H	20	2.22
(1,355)	1:462:A:ALA:H	1:463:A:ILE:H	14	2.22
(1,348)	1:408:A:PHE:H	1:408:A:PHE:HB3	13	2.22
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD1	4	2.22
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD2	4	2.22
(1,318)	1:473:A:MET:H	1:474:A:LYS:H	15	2.22
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB2	7	2.22
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB3	7	2.22
(1,264)	1:409:A:ILE:H	1:450:A:PHE:HA	18	2.22
(1,211)	1:462:A:ALA:H	1:463:A:ILE:H	14	2.22
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB2	3	2.22
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB3	3	2.22
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB2	11	2.22
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB3	11	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB2	18	2.22
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB3	18	2.22
(1,182)	1:422:A:LEU:H	1:422:A:LEU:HB2	4	2.22
(1,170)	1:483:A:SER:HB2	1:484:A:LYS:H	5	2.22
(1,170)	1:483:A:SER:HB3	1:484:A:LYS:H	5	2.22
(1,119)	1:473:A:MET:H	1:474:A:LYS:H	15	2.22
(1,118)	1:478:A:VAL:HG21	1:479:A:GLN:H	9	2.22
(1,118)	1:478:A:VAL:HG22	1:479:A:GLN:H	9	2.22
(1,118)	1:478:A:VAL:HG23	1:479:A:GLN:H	9	2.22
(1,99)	1:407:A:LEU:H	1:451:A:VAL:H	11	2.22
(1,53)	1:471:A:ILE:H	1:471:A:ILE:HB	20	2.22
(1,37)	1:478:A:VAL:H	1:478:A:VAL:HB	10	2.22
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD2	15	2.22
(1,25)	1:426:A:MET:H	1:427:A:PRO:HD3	15	2.22
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD1	12	2.21
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD2	12	2.21
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD1	4	2.21
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD2	4	2.21
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD1	11	2.21
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD2	11	2.21
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG21	19	2.21
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG22	19	2.21
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG23	19	2.21
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD2	9	2.21
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD3	9	2.21
(1,1495)	1:486:A:ASP:HA	1:486:A:ASP:HB2	19	2.21
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD2	9	2.21
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD3	9	2.21
(1,1473)	1:398:A:GLN:HA	1:398:A:GLN:HG2	13	2.21
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD11	9	2.21
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD12	9	2.21
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD13	9	2.21
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD11	9	2.21
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD12	9	2.21
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD13	9	2.21
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD11	9	2.21
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD12	9	2.21
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD13	9	2.21
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD11	9	2.21
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD12	9	2.21
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD13	9	2.21
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	12	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	12	2.21
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	12	2.21
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	12	2.21
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	12	2.21
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	12	2.21
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	12	2.21
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	12	2.21
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	12	2.21
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG12	1	2.21
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG13	1	2.21
(1,1342)	1:405:A:ALA:HB1	1:453:A:TYR:HB3	18	2.21
(1,1342)	1:405:A:ALA:HB2	1:453:A:TYR:HB3	18	2.21
(1,1342)	1:405:A:ALA:HB3	1:453:A:TYR:HB3	18	2.21
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	12	2.21
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	12	2.21
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	12	2.21
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	12	2.21
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	12	2.21
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	12	2.21
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	12	2.21
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	12	2.21
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	12	2.21
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG11	5	2.21
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG12	5	2.21
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG13	5	2.21
(1,1249)	1:480:A:LEU:HA	1:480:A:LEU:HG	1	2.21
(1,1249)	1:480:A:LEU:HA	1:480:A:LEU:HG	18	2.21
(1,1228)	1:455:A:ASN:HA	1:456:A:PRO:HD3	8	2.21
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG2	4	2.21
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG3	4	2.21
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG2	13	2.21
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG3	13	2.21
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD11	7	2.21
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD12	7	2.21
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD13	7	2.21
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG21	2	2.21
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG22	2	2.21
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG23	2	2.21
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG21	7	2.21
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG22	7	2.21
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG23	7	2.21
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	11	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	11	2.21
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG12	1	2.21
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG13	1	2.21
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG21	2	2.21
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG22	2	2.21
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG23	2	2.21
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG21	7	2.21
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG22	7	2.21
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG23	7	2.21
(1,851)	1:405:A:ALA:HB1	1:406:A:ASN:H	4	2.21
(1,851)	1:405:A:ALA:HB2	1:406:A:ASN:H	4	2.21
(1,851)	1:405:A:ALA:HB3	1:406:A:ASN:H	4	2.21
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	20	2.21
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	20	2.21
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	20	2.21
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	20	2.21
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	20	2.21
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	20	2.21
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	20	2.21
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	20	2.21
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	20	2.21
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	20	2.21
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	20	2.21
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	20	2.21
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	20	2.21
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	20	2.21
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	20	2.21
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	20	2.21
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	20	2.21
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	20	2.21
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG11	17	2.21
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG12	17	2.21
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG13	17	2.21
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG21	19	2.21
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG22	19	2.21
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG23	19	2.21
(1,710)	1:478:A:VAL:HG21	1:479:A:GLN:H	2	2.21
(1,710)	1:478:A:VAL:HG22	1:479:A:GLN:H	2	2.21
(1,710)	1:478:A:VAL:HG23	1:479:A:GLN:H	2	2.21
(1,710)	1:478:A:VAL:HG21	1:479:A:GLN:H	4	2.21
(1,710)	1:478:A:VAL:HG22	1:479:A:GLN:H	4	2.21
(1,710)	1:478:A:VAL:HG23	1:479:A:GLN:H	4	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	11	2.21
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	11	2.21
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	20	2.21
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	20	2.21
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	20	2.21
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	20	2.21
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	20	2.21
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	20	2.21
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	20	2.21
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	20	2.21
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	20	2.21
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	20	2.21
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	20	2.21
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	20	2.21
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	20	2.21
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	20	2.21
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	20	2.21
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	20	2.21
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	20	2.21
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	20	2.21
(1,522)	1:432:A:ILE:HB	1:433:A:SER:H	15	2.21
(1,521)	1:433:A:SER:H	1:433:A:SER:HB3	19	2.21
(1,486)	1:406:A:ASN:H	1:406:A:ASN:HB2	3	2.21
(1,462)	1:423:A:GLN:H	1:424:A:MET:H	18	2.21
(1,436)	1:420:A:ASP:H	1:421:A:ILE:H	20	2.21
(1,435)	1:421:A:ILE:H	1:422:A:LEU:H	3	2.21
(1,415)	1:441:A:GLN:H	1:441:A:GLN:HB3	1	2.21
(1,360)	1:463:A:ILE:H	1:463:A:ILE:HB	12	2.21
(1,355)	1:462:A:ALA:H	1:463:A:ILE:H	7	2.21
(1,333)	1:467:A:ASN:H	1:467:A:ASN:HB3	3	2.21
(1,333)	1:467:A:ASN:H	1:467:A:ASN:HB3	12	2.21
(1,276)	1:458:A:SER:H	1:459:A:ALA:H	7	2.21
(1,276)	1:458:A:SER:H	1:459:A:ALA:H	16	2.21
(1,268)	1:457:A:VAL:H	1:458:A:SER:H	8	2.21
(1,237)	1:400:A:GLU:H	1:400:A:GLU:HG3	6	2.21
(1,211)	1:462:A:ALA:H	1:463:A:ILE:H	7	2.21
(1,125)	1:468:A:GLY:H	1:469:A:PHE:H	14	2.21
(1,118)	1:478:A:VAL:HG21	1:479:A:GLN:H	2	2.21
(1,118)	1:478:A:VAL:HG22	1:479:A:GLN:H	2	2.21
(1,118)	1:478:A:VAL:HG23	1:479:A:GLN:H	2	2.21
(1,118)	1:478:A:VAL:HG21	1:479:A:GLN:H	4	2.21
(1,118)	1:478:A:VAL:HG22	1:479:A:GLN:H	4	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,118)	1:478:A:VAL:HG23	1:479:A:GLN:H	4	2.21
(1,100)	1:450:A:PHE:HD1	1:451:A:VAL:H	13	2.21
(1,100)	1:450:A:PHE:HD2	1:451:A:VAL:H	13	2.21
(1,89)	1:481:A:LYS:H	1:481:A:LYS:HB2	12	2.21
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG21	4	2.21
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG22	4	2.21
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG23	4	2.21
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD2	8	2.2
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD3	8	2.2
(1,1490)	1:438:A:ILE:HG21	1:443:A:ASN:HA	13	2.2
(1,1490)	1:438:A:ILE:HG22	1:443:A:ASN:HA	13	2.2
(1,1490)	1:438:A:ILE:HG23	1:443:A:ASN:HA	13	2.2
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD2	8	2.2
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD3	8	2.2
(1,1460)	1:423:A:GLN:HA	1:423:A:GLN:HG3	3	2.2
(1,1460)	1:423:A:GLN:HA	1:423:A:GLN:HG3	10	2.2
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	18	2.2
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	18	2.2
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	18	2.2
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	18	2.2
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	18	2.2
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	18	2.2
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	4	2.2
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	4	2.2
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	4	2.2
(1,1342)	1:405:A:ALA:HB1	1:453:A:TYR:HB3	13	2.2
(1,1342)	1:405:A:ALA:HB2	1:453:A:TYR:HB3	13	2.2
(1,1342)	1:405:A:ALA:HB3	1:453:A:TYR:HB3	13	2.2
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG11	13	2.2
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG12	13	2.2
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG13	13	2.2
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG11	14	2.2
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG12	14	2.2
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG13	14	2.2
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG11	20	2.2
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG12	20	2.2
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG13	20	2.2
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG11	20	2.2
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG12	20	2.2
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG13	20	2.2
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB1	9	2.2
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB2	9	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB3	9	2.2
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB1	9	2.2
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB2	9	2.2
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB3	9	2.2
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB1	9	2.2
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB2	9	2.2
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB3	9	2.2
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB1	9	2.2
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB2	9	2.2
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB3	9	2.2
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB1	9	2.2
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB2	9	2.2
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB3	9	2.2
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB1	9	2.2
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB2	9	2.2
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB3	9	2.2
(1,1249)	1:480:A:LEU:HA	1:480:A:LEU:HG	14	2.2
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG2	19	2.2
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG3	19	2.2
(1,1112)	1:423:A:GLN:HA	1:423:A:GLN:HG3	3	2.2
(1,1112)	1:423:A:GLN:HA	1:423:A:GLN:HG3	10	2.2
(1,1106)	1:478:A:VAL:H	1:478:A:VAL:HB	1	2.2
(1,1081)	1:422:A:LEU:HD11	1:423:A:GLN:HA	14	2.2
(1,1081)	1:422:A:LEU:HD12	1:423:A:GLN:HA	14	2.2
(1,1081)	1:422:A:LEU:HD13	1:423:A:GLN:HA	14	2.2
(1,1081)	1:422:A:LEU:HD21	1:423:A:GLN:HA	14	2.2
(1,1081)	1:422:A:LEU:HD22	1:423:A:GLN:HA	14	2.2
(1,1081)	1:422:A:LEU:HD23	1:423:A:GLN:HA	14	2.2
(1,1081)	1:422:A:LEU:HD11	1:423:A:GLN:HA	20	2.2
(1,1081)	1:422:A:LEU:HD12	1:423:A:GLN:HA	20	2.2
(1,1081)	1:422:A:LEU:HD13	1:423:A:GLN:HA	20	2.2
(1,1081)	1:422:A:LEU:HD21	1:423:A:GLN:HA	20	2.2
(1,1081)	1:422:A:LEU:HD22	1:423:A:GLN:HA	20	2.2
(1,1081)	1:422:A:LEU:HD23	1:423:A:GLN:HA	20	2.2
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	15	2.2
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	15	2.2
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	15	2.2
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	15	2.2
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	15	2.2
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	15	2.2
(1,998)	1:485:A:ASN:HB3	1:486:A:ASP:H	10	2.2
(1,932)	1:421:A:ILE:HG21	1:422:A:LEU:H	12	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:421:A:ILE:HG22	1:422:A:LEU:H	12	2.2
(1,932)	1:421:A:ILE:HG23	1:422:A:LEU:H	12	2.2
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	5	2.2
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	5	2.2
(1,896)	1:462:A:ALA:HB1	1:463:A:ILE:H	4	2.2
(1,896)	1:462:A:ALA:HB2	1:463:A:ILE:H	4	2.2
(1,896)	1:462:A:ALA:HB3	1:463:A:ILE:H	4	2.2
(1,896)	1:462:A:ALA:HB1	1:463:A:ILE:H	12	2.2
(1,896)	1:462:A:ALA:HB2	1:463:A:ILE:H	12	2.2
(1,896)	1:462:A:ALA:HB3	1:463:A:ILE:H	12	2.2
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG11	12	2.2
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG12	12	2.2
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG13	12	2.2
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	5	2.2
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	5	2.2
(1,656)	1:474:A:LYS:HA	1:474:A:LYS:HG2	1	2.2
(1,552)	1:424:A:MET:H	1:425:A:PHE:H	4	2.2
(1,543)	1:454:A:ASP:H	1:454:A:ASP:HB2	6	2.2
(1,522)	1:432:A:ILE:HB	1:433:A:SER:H	9	2.2
(1,522)	1:432:A:ILE:HB	1:433:A:SER:H	16	2.2
(1,486)	1:406:A:ASN:H	1:406:A:ASN:HB2	14	2.2
(1,486)	1:406:A:ASN:H	1:406:A:ASN:HB2	19	2.2
(1,475)	1:445:A:SER:H	1:445:A:SER:HB3	19	2.2
(1,462)	1:423:A:GLN:H	1:424:A:MET:H	3	2.2
(1,447)	1:419:A:GLN:H	1:419:A:GLN:HB3	16	2.2
(1,435)	1:421:A:ILE:H	1:422:A:LEU:H	5	2.2
(1,395)	1:429:A:GLY:HA2	1:430:A:ASN:H	15	2.2
(1,355)	1:462:A:ALA:H	1:463:A:ILE:H	13	2.2
(1,321)	1:433:A:SER:H	1:452:A:SER:H	1	2.2
(1,276)	1:458:A:SER:H	1:459:A:ALA:H	4	2.2
(1,276)	1:458:A:SER:H	1:459:A:ALA:H	6	2.2
(1,268)	1:457:A:VAL:H	1:458:A:SER:H	9	2.2
(1,253)	1:453:A:TYR:H	1:453:A:TYR:HB3	12	2.2
(1,253)	1:453:A:TYR:H	1:453:A:TYR:HB3	17	2.2
(1,223)	1:417:A:GLY:HA3	1:418:A:ASP:H	2	2.2
(1,223)	1:417:A:GLY:HA3	1:418:A:ASP:H	5	2.2
(1,223)	1:417:A:GLY:HA3	1:418:A:ASP:H	18	2.2
(1,222)	1:418:A:ASP:H	1:419:A:GLN:H	1	2.2
(1,211)	1:462:A:ALA:H	1:463:A:ILE:H	13	2.2
(1,136)	1:421:A:ILE:HG21	1:422:A:LEU:H	12	2.2
(1,136)	1:421:A:ILE:HG22	1:422:A:LEU:H	12	2.2
(1,136)	1:421:A:ILE:HG23	1:422:A:LEU:H	12	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,89)	1:481:A:LYS:H	1:481:A:LYS:HB2	3	2.2
(1,89)	1:481:A:LYS:H	1:481:A:LYS:HB2	20	2.2
(1,55)	1:471:A:ILE:H	1:475:A:ARG:HA	4	2.2
(1,37)	1:478:A:VAL:H	1:478:A:VAL:HB	1	2.2
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG2	12	2.2
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG3	12	2.2
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD1	10	2.19
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD2	10	2.19
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD2	16	2.19
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD3	16	2.19
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD2	18	2.19
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD3	18	2.19
(1,1500)	1:463:A:ILE:HG21	1:479:A:GLN:HA	9	2.19
(1,1500)	1:463:A:ILE:HG22	1:479:A:GLN:HA	9	2.19
(1,1500)	1:463:A:ILE:HG23	1:479:A:GLN:HA	9	2.19
(1,1495)	1:486:A:ASP:HA	1:486:A:ASP:HB2	4	2.19
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD2	16	2.19
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD3	16	2.19
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG2	15	2.19
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG3	15	2.19
(1,1460)	1:423:A:GLN:HA	1:423:A:GLN:HG3	12	2.19
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD11	9	2.19
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD12	9	2.19
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD13	9	2.19
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD1	15	2.19
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD2	15	2.19
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD11	9	2.19
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD12	9	2.19
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD13	9	2.19
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG21	20	2.19
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG22	20	2.19
(1,1401)	1:471:A:ILE:HA	1:471:A:ILE:HG23	20	2.19
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	11	2.19
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	11	2.19
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	11	2.19
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	11	2.19
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	11	2.19
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	11	2.19
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	11	2.19
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	11	2.19
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	11	2.19
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	11	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	11	2.19
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	11	2.19
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	11	2.19
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	11	2.19
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	11	2.19
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	11	2.19
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	11	2.19
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	11	2.19
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB1	1	2.19
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB2	1	2.19
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB3	1	2.19
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD11	7	2.19
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD12	7	2.19
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD13	7	2.19
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD21	7	2.19
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD22	7	2.19
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD23	7	2.19
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD11	12	2.19
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD12	12	2.19
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD13	12	2.19
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD21	12	2.19
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD22	12	2.19
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD23	12	2.19
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG2	15	2.19
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG3	15	2.19
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG2	5	2.19
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG3	5	2.19
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG2	8	2.19
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG3	8	2.19
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	11	2.19
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	11	2.19
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	11	2.19
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	11	2.19
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	11	2.19
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	11	2.19
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	11	2.19
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	11	2.19
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	11	2.19
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	11	2.19
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	11	2.19
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	11	2.19
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	11	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	11	2.19
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	11	2.19
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	11	2.19
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	11	2.19
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	11	2.19
(1,1180)	1:463:A:ILE:HG21	1:479:A:GLN:HA	9	2.19
(1,1180)	1:463:A:ILE:HG22	1:479:A:GLN:HA	9	2.19
(1,1180)	1:463:A:ILE:HG23	1:479:A:GLN:HA	9	2.19
(1,1112)	1:423:A:GLN:HA	1:423:A:GLN:HG3	12	2.19
(1,1110)	1:423:A:GLN:H	1:423:A:GLN:HG3	14	2.19
(1,1103)	1:441:A:GLN:HA	1:441:A:GLN:HG3	19	2.19
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD11	6	2.19
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD12	6	2.19
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD13	6	2.19
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD11	9	2.19
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD12	9	2.19
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD13	9	2.19
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	17	2.19
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	17	2.19
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	17	2.19
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	17	2.19
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	17	2.19
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	17	2.19
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	17	2.19
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	17	2.19
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	17	2.19
(1,896)	1:462:A:ALA:HB1	1:463:A:ILE:H	1	2.19
(1,896)	1:462:A:ALA:HB2	1:463:A:ILE:H	1	2.19
(1,896)	1:462:A:ALA:HB3	1:463:A:ILE:H	1	2.19
(1,857)	1:409:A:ILE:HG21	1:410:A:TYR:H	13	2.19
(1,857)	1:409:A:ILE:HG22	1:410:A:TYR:H	13	2.19
(1,857)	1:409:A:ILE:HG23	1:410:A:TYR:H	13	2.19
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	6	2.19
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	6	2.19
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	6	2.19
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	6	2.19
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	6	2.19
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	6	2.19
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	6	2.19
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	6	2.19
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	6	2.19
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB1	8	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB2	8	2.19
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB3	8	2.19
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG11	1	2.19
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG12	1	2.19
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG13	1	2.19
(1,710)	1:478:A:VAL:HG21	1:479:A:GLN:H	8	2.19
(1,710)	1:478:A:VAL:HG22	1:479:A:GLN:H	8	2.19
(1,710)	1:478:A:VAL:HG23	1:479:A:GLN:H	8	2.19
(1,710)	1:478:A:VAL:HG21	1:479:A:GLN:H	11	2.19
(1,710)	1:478:A:VAL:HG22	1:479:A:GLN:H	11	2.19
(1,710)	1:478:A:VAL:HG23	1:479:A:GLN:H	11	2.19
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG2	3	2.19
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG3	3	2.19
(1,565)	1:410:A:TYR:HB2	1:411:A:HIS:H	1	2.19
(1,561)	1:410:A:TYR:HD1	1:411:A:HIS:H	13	2.19
(1,561)	1:410:A:TYR:HD2	1:411:A:HIS:H	13	2.19
(1,552)	1:424:A:MET:H	1:425:A:PHE:H	10	2.19
(1,552)	1:424:A:MET:H	1:425:A:PHE:H	12	2.19
(1,543)	1:454:A:ASP:H	1:454:A:ASP:HB2	12	2.19
(1,512)	1:454:A:ASP:HB3	1:455:A:ASN:H	15	2.19
(1,493)	1:413:A:PRO:HB2	1:415:A:GLU:H	11	2.19
(1,493)	1:413:A:PRO:HB3	1:415:A:GLU:H	11	2.19
(1,493)	1:413:A:PRO:HB2	1:415:A:GLU:H	12	2.19
(1,493)	1:413:A:PRO:HB3	1:415:A:GLU:H	12	2.19
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD11	14	2.19
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD12	14	2.19
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD13	14	2.19
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD21	14	2.19
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD22	14	2.19
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD23	14	2.19
(1,475)	1:445:A:SER:H	1:445:A:SER:HB3	14	2.19
(1,436)	1:420:A:ASP:H	1:421:A:ILE:H	15	2.19
(1,435)	1:421:A:ILE:H	1:422:A:LEU:H	18	2.19
(1,395)	1:429:A:GLY:HA2	1:430:A:ASN:H	19	2.19
(1,371)	1:458:A:SER:H	1:458:A:SER:HB3	16	2.19
(1,370)	1:482:A:ARG:HB2	1:483:A:SER:H	18	2.19
(1,355)	1:462:A:ALA:H	1:463:A:ILE:H	12	2.19
(1,347)	1:408:A:PHE:H	1:408:A:PHE:HB2	8	2.19
(1,347)	1:408:A:PHE:H	1:408:A:PHE:HB2	20	2.19
(1,333)	1:467:A:ASN:H	1:467:A:ASN:HB3	11	2.19
(1,321)	1:433:A:SER:H	1:452:A:SER:H	14	2.19
(1,276)	1:458:A:SER:H	1:459:A:ALA:H	20	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,211)	1:462:A:ALA:H	1:463:A:ILE:H	12	2.19
(1,187)	1:460:A:GLN:HG2	1:461:A:ALA:H	6	2.19
(1,187)	1:460:A:GLN:HG3	1:461:A:ALA:H	6	2.19
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD11	15	2.19
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD12	15	2.19
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD13	15	2.19
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD21	15	2.19
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD22	15	2.19
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD23	15	2.19
(1,125)	1:468:A:GLY:H	1:469:A:PHE:H	2	2.19
(1,125)	1:468:A:GLY:H	1:469:A:PHE:H	5	2.19
(1,121)	1:473:A:MET:H	1:473:A:MET:HG2	2	2.19
(1,118)	1:478:A:VAL:HG21	1:479:A:GLN:H	8	2.19
(1,118)	1:478:A:VAL:HG22	1:479:A:GLN:H	8	2.19
(1,118)	1:478:A:VAL:HG23	1:479:A:GLN:H	8	2.19
(1,118)	1:478:A:VAL:HG21	1:479:A:GLN:H	11	2.19
(1,118)	1:478:A:VAL:HG22	1:479:A:GLN:H	11	2.19
(1,118)	1:478:A:VAL:HG23	1:479:A:GLN:H	11	2.19
(1,99)	1:407:A:LEU:H	1:451:A:VAL:H	3	2.19
(1,99)	1:407:A:LEU:H	1:451:A:VAL:H	6	2.19
(1,75)	1:446:A:LYS:H	1:447:A:CYS:H	8	2.19
(1,75)	1:446:A:LYS:H	1:447:A:CYS:H	15	2.19
(1,53)	1:471:A:ILE:H	1:471:A:ILE:HB	16	2.19
(1,53)	1:471:A:ILE:H	1:471:A:ILE:HB	18	2.19
(1,47)	1:439:A:ASP:H	1:439:A:ASP:HB3	13	2.19
(1,26)	1:426:A:MET:H	1:426:A:MET:HG2	15	2.19
(1,26)	1:426:A:MET:H	1:426:A:MET:HG3	15	2.19
(1,24)	1:426:A:MET:H	1:431:A:VAL:HA	3	2.19
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD1	6	2.18
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD2	6	2.18
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD1	20	2.18
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD2	20	2.18
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	3	2.18
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	3	2.18
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD2	18	2.18
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD3	18	2.18
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD2	18	2.18
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD3	18	2.18
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD2	20	2.18
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD3	20	2.18
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD2	20	2.18
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD3	20	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE1	12	2.18
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE2	12	2.18
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE3	12	2.18
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	3	2.18
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	3	2.18
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	3	2.18
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	3	2.18
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	3	2.18
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	3	2.18
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	3	2.18
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	3	2.18
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	3	2.18
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	3	2.18
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	3	2.18
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	3	2.18
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	3	2.18
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	3	2.18
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	3	2.18
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	3	2.18
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	3	2.18
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	3	2.18
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG11	3	2.18
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG12	3	2.18
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG13	3	2.18
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB1	1	2.18
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB2	1	2.18
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB3	1	2.18
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB1	1	2.18
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB2	1	2.18
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB3	1	2.18
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB1	1	2.18
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB2	1	2.18
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB3	1	2.18
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB1	1	2.18
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB2	1	2.18
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB3	1	2.18
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB1	1	2.18
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB2	1	2.18
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB3	1	2.18
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB1	1	2.18
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB2	1	2.18
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB3	1	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD11	16	2.18
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD12	16	2.18
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD13	16	2.18
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD21	16	2.18
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD22	16	2.18
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD23	16	2.18
(1,1249)	1:480:A:LEU:HA	1:480:A:LEU:HG	2	2.18
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB2	1	2.18
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB3	1	2.18
(1,1197)	1:441:A:GLN:HB2	1:442:A:THR:H	4	2.18
(1,1166)	1:400:A:GLU:HB2	1:401:A:GLY:H	4	2.18
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG2	17	2.18
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG3	17	2.18
(1,1106)	1:478:A:VAL:H	1:478:A:VAL:HB	16	2.18
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD11	16	2.18
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD12	16	2.18
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD13	16	2.18
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	13	2.18
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	13	2.18
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	13	2.18
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	13	2.18
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	13	2.18
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	13	2.18
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB1	8	2.18
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB2	8	2.18
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB3	8	2.18
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	1	2.18
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	1	2.18
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	3	2.18
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	3	2.18
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	3	2.18
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	3	2.18
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	3	2.18
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	3	2.18
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	3	2.18
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	3	2.18
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	3	2.18
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	3	2.18
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	3	2.18
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	3	2.18
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	3	2.18
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	3	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	3	2.18
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	3	2.18
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	3	2.18
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	3	2.18
(1,896)	1:462:A:ALA:HB1	1:463:A:ILE:H	14	2.18
(1,896)	1:462:A:ALA:HB2	1:463:A:ILE:H	14	2.18
(1,896)	1:462:A:ALA:HB3	1:463:A:ILE:H	14	2.18
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB1	1	2.18
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB2	1	2.18
(1,848)	1:405:A:ALA:H	1:405:A:ALA:HB3	1	2.18
(1,788)	1:478:A:VAL:HG11	1:479:A:GLN:H	12	2.18
(1,788)	1:478:A:VAL:HG12	1:479:A:GLN:H	12	2.18
(1,788)	1:478:A:VAL:HG13	1:479:A:GLN:H	12	2.18
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG11	14	2.18
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG12	14	2.18
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG13	14	2.18
(1,710)	1:478:A:VAL:HG21	1:479:A:GLN:H	12	2.18
(1,710)	1:478:A:VAL:HG22	1:479:A:GLN:H	12	2.18
(1,710)	1:478:A:VAL:HG23	1:479:A:GLN:H	12	2.18
(1,679)	1:477:A:LYS:HG2	1:478:A:VAL:H	19	2.18
(1,679)	1:477:A:LYS:HG3	1:478:A:VAL:H	19	2.18
(1,640)	1:466:A:MET:HG2	1:476:A:LEU:HG	12	2.18
(1,640)	1:466:A:MET:HG3	1:476:A:LEU:HG	12	2.18
(1,582)	1:400:A:GLU:HB2	1:401:A:GLY:H	4	2.18
(1,552)	1:424:A:MET:H	1:425:A:PHE:H	1	2.18
(1,552)	1:424:A:MET:H	1:425:A:PHE:H	18	2.18
(1,523)	1:431:A:VAL:HG21	1:433:A:SER:H	17	2.18
(1,523)	1:431:A:VAL:HG22	1:433:A:SER:H	17	2.18
(1,523)	1:431:A:VAL:HG23	1:433:A:SER:H	17	2.18
(1,486)	1:406:A:ASN:H	1:406:A:ASN:HB2	2	2.18
(1,486)	1:406:A:ASN:H	1:406:A:ASN:HB2	6	2.18
(1,462)	1:423:A:GLN:H	1:424:A:MET:H	11	2.18
(1,395)	1:429:A:GLY:HA2	1:430:A:ASN:H	20	2.18
(1,377)	1:443:A:ASN:H	1:444:A:LEU:H	7	2.18
(1,372)	1:458:A:SER:H	1:458:A:SER:HB2	4	2.18
(1,355)	1:462:A:ALA:H	1:463:A:ILE:H	2	2.18
(1,355)	1:462:A:ALA:H	1:463:A:ILE:H	6	2.18
(1,355)	1:462:A:ALA:H	1:463:A:ILE:H	16	2.18
(1,318)	1:473:A:MET:H	1:474:A:LYS:H	3	2.18
(1,318)	1:473:A:MET:H	1:474:A:LYS:H	16	2.18
(1,300)	1:405:A:ALA:H	1:456:A:PRO:HD3	11	2.18
(1,211)	1:462:A:ALA:H	1:463:A:ILE:H	2	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,211)	1:462:A:ALA:H	1:463:A:ILE:H	6	2.18
(1,211)	1:462:A:ALA:H	1:463:A:ILE:H	16	2.18
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB2	1	2.18
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB3	1	2.18
(1,130)	1:469:A:PHE:H	1:469:A:PHE:HB2	15	2.18
(1,119)	1:473:A:MET:H	1:474:A:LYS:H	3	2.18
(1,119)	1:473:A:MET:H	1:474:A:LYS:H	16	2.18
(1,118)	1:478:A:VAL:HG21	1:479:A:GLN:H	12	2.18
(1,118)	1:478:A:VAL:HG22	1:479:A:GLN:H	12	2.18
(1,118)	1:478:A:VAL:HG23	1:479:A:GLN:H	12	2.18
(1,99)	1:407:A:LEU:H	1:451:A:VAL:H	16	2.18
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG11	6	2.18
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG12	6	2.18
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG13	6	2.18
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG11	7	2.18
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG12	7	2.18
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG13	7	2.18
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG11	12	2.18
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG12	12	2.18
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG13	12	2.18
(1,53)	1:471:A:ILE:H	1:471:A:ILE:HB	3	2.18
(1,41)	1:467:A:ASN:HA	1:478:A:VAL:H	16	2.18
(1,37)	1:478:A:VAL:H	1:478:A:VAL:HB	16	2.18
(1,24)	1:426:A:MET:H	1:431:A:VAL:HA	16	2.18
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG21	13	2.18
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG22	13	2.18
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG23	13	2.18
(1,1500)	1:463:A:ILE:HG21	1:479:A:GLN:HA	15	2.17
(1,1500)	1:463:A:ILE:HG22	1:479:A:GLN:HA	15	2.17
(1,1500)	1:463:A:ILE:HG23	1:479:A:GLN:HA	15	2.17
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG21	5	2.17
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG22	5	2.17
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG23	5	2.17
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE2	1	2.17
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE3	1	2.17
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE2	1	2.17
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE3	1	2.17
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG11	7	2.17
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG12	7	2.17
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG13	7	2.17
(1,1324)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	16	2.17
(1,1324)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	16	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1324)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	16	2.17
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG21	5	2.17
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG22	5	2.17
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG23	5	2.17
(1,1232)	1:419:A:GLN:HB3	1:420:A:ASP:H	15	2.17
(1,1180)	1:463:A:ILE:HG21	1:479:A:GLN:HA	15	2.17
(1,1180)	1:463:A:ILE:HG22	1:479:A:GLN:HA	15	2.17
(1,1180)	1:463:A:ILE:HG23	1:479:A:GLN:HA	15	2.17
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG2	18	2.17
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG3	18	2.17
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	3	2.17
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	3	2.17
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	3	2.17
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	3	2.17
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	3	2.17
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	3	2.17
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	11	2.17
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	11	2.17
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	11	2.17
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	11	2.17
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	11	2.17
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	11	2.17
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	11	2.17
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	11	2.17
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	11	2.17
(1,837)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	16	2.17
(1,837)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	16	2.17
(1,837)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	16	2.17
(1,830)	1:450:A:PHE:HB2	1:451:A:VAL:H	19	2.17
(1,788)	1:478:A:VAL:HG11	1:479:A:GLN:H	2	2.17
(1,788)	1:478:A:VAL:HG12	1:479:A:GLN:H	2	2.17
(1,788)	1:478:A:VAL:HG13	1:479:A:GLN:H	2	2.17
(1,762)	1:457:A:VAL:HG11	1:458:A:SER:H	10	2.17
(1,762)	1:457:A:VAL:HG12	1:458:A:SER:H	10	2.17
(1,762)	1:457:A:VAL:HG13	1:458:A:SER:H	10	2.17
(1,762)	1:457:A:VAL:HG21	1:458:A:SER:H	10	2.17
(1,762)	1:457:A:VAL:HG22	1:458:A:SER:H	10	2.17
(1,762)	1:457:A:VAL:HG23	1:458:A:SER:H	10	2.17
(1,762)	1:457:A:VAL:HG11	1:458:A:SER:H	14	2.17
(1,762)	1:457:A:VAL:HG12	1:458:A:SER:H	14	2.17
(1,762)	1:457:A:VAL:HG13	1:458:A:SER:H	14	2.17
(1,762)	1:457:A:VAL:HG21	1:458:A:SER:H	14	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,762)	1:457:A:VAL:HG22	1:458:A:SER:H	14	2.17
(1,762)	1:457:A:VAL:HG23	1:458:A:SER:H	14	2.17
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG11	2	2.17
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG12	2	2.17
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG13	2	2.17
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG11	19	2.17
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG12	19	2.17
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG13	19	2.17
(1,710)	1:478:A:VAL:HG21	1:479:A:GLN:H	6	2.17
(1,710)	1:478:A:VAL:HG22	1:479:A:GLN:H	6	2.17
(1,710)	1:478:A:VAL:HG23	1:479:A:GLN:H	6	2.17
(1,672)	1:444:A:LEU:H	1:444:A:LEU:HG	9	2.17
(1,663)	1:412:A:LEU:H	1:412:A:LEU:HG	8	2.17
(1,585)	1:428:A:PHE:H	1:428:A:PHE:HB2	8	2.17
(1,561)	1:410:A:TYR:HD1	1:411:A:HIS:H	3	2.17
(1,561)	1:410:A:TYR:HD2	1:411:A:HIS:H	3	2.17
(1,552)	1:424:A:MET:H	1:425:A:PHE:H	15	2.17
(1,532)	1:416:A:PHE:HA	1:417:A:GLY:H	1	2.17
(1,532)	1:416:A:PHE:HA	1:417:A:GLY:H	3	2.17
(1,532)	1:416:A:PHE:HA	1:417:A:GLY:H	8	2.17
(1,493)	1:413:A:PRO:HB2	1:415:A:GLU:H	6	2.17
(1,493)	1:413:A:PRO:HB3	1:415:A:GLU:H	6	2.17
(1,447)	1:419:A:GLN:H	1:419:A:GLN:HB3	7	2.17
(1,435)	1:421:A:ILE:H	1:422:A:LEU:H	12	2.17
(1,430)	1:464:A:GLN:H	1:465:A:ALA:H	5	2.17
(1,396)	1:429:A:GLY:HA3	1:430:A:ASN:H	10	2.17
(1,396)	1:429:A:GLY:HA3	1:430:A:ASN:H	20	2.17
(1,387)	1:419:A:GLN:HB3	1:420:A:ASP:H	15	2.17
(1,384)	1:444:A:LEU:H	1:444:A:LEU:HG	9	2.17
(1,370)	1:482:A:ARG:HB2	1:483:A:SER:H	1	2.17
(1,333)	1:467:A:ASN:H	1:467:A:ASN:HB3	2	2.17
(1,310)	1:475:A:ARG:H	1:475:A:ARG:HD2	8	2.17
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG12	13	2.17
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG13	13	2.17
(1,125)	1:468:A:GLY:H	1:469:A:PHE:H	11	2.17
(1,118)	1:478:A:VAL:HG21	1:479:A:GLN:H	6	2.17
(1,118)	1:478:A:VAL:HG22	1:479:A:GLN:H	6	2.17
(1,118)	1:478:A:VAL:HG23	1:479:A:GLN:H	6	2.17
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG11	1	2.17
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG12	1	2.17
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG13	1	2.17
(1,89)	1:481:A:LYS:H	1:481:A:LYS:HB2	5	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG2	16	2.17
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG3	16	2.17
(1,20)	1:425:A:PHE:H	1:426:A:MET:H	10	2.17
(1,1500)	1:463:A:ILE:HG21	1:479:A:GLN:HA	17	2.16
(1,1500)	1:463:A:ILE:HG22	1:479:A:GLN:HA	17	2.16
(1,1500)	1:463:A:ILE:HG23	1:479:A:GLN:HA	17	2.16
(1,1495)	1:486:A:ASP:HA	1:486:A:ASP:HB2	8	2.16
(1,1495)	1:486:A:ASP:HA	1:486:A:ASP:HB2	18	2.16
(1,1485)	1:398:A:GLN:HA	1:398:A:GLN:HG3	16	2.16
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG2	4	2.16
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG3	4	2.16
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG21	12	2.16
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG22	12	2.16
(1,1427)	1:451:A:VAL:HA	1:451:A:VAL:HG23	12	2.16
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	18	2.16
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	18	2.16
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	18	2.16
(1,1342)	1:405:A:ALA:HB1	1:453:A:TYR:HB3	14	2.16
(1,1342)	1:405:A:ALA:HB2	1:453:A:TYR:HB3	14	2.16
(1,1342)	1:405:A:ALA:HB3	1:453:A:TYR:HB3	14	2.16
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	4	2.16
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	4	2.16
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	4	2.16
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	4	2.16
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	4	2.16
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	4	2.16
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	4	2.16
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	4	2.16
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	4	2.16
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG21	12	2.16
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG22	12	2.16
(1,1304)	1:451:A:VAL:HA	1:451:A:VAL:HG23	12	2.16
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	3	2.16
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	3	2.16
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	3	2.16
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	3	2.16
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	3	2.16
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	3	2.16
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	3	2.16
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	3	2.16
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	3	2.16
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	3	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	3	2.16
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	3	2.16
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	3	2.16
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	3	2.16
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	3	2.16
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	3	2.16
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	3	2.16
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	3	2.16
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG2	4	2.16
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG3	4	2.16
(1,1249)	1:480:A:LEU:HA	1:480:A:LEU:HG	13	2.16
(1,1223)	1:423:A:GLN:HB2	1:424:A:MET:H	13	2.16
(1,1223)	1:423:A:GLN:HB3	1:424:A:MET:H	13	2.16
(1,1223)	1:423:A:GLN:HB2	1:424:A:MET:H	20	2.16
(1,1223)	1:423:A:GLN:HB3	1:424:A:MET:H	20	2.16
(1,1180)	1:463:A:ILE:HG21	1:479:A:GLN:HA	17	2.16
(1,1180)	1:463:A:ILE:HG22	1:479:A:GLN:HA	17	2.16
(1,1180)	1:463:A:ILE:HG23	1:479:A:GLN:HA	17	2.16
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG2	13	2.16
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG3	13	2.16
(1,1106)	1:478:A:VAL:H	1:478:A:VAL:HB	15	2.16
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	20	2.16
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	20	2.16
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	20	2.16
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	20	2.16
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	20	2.16
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	20	2.16
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	20	2.16
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	20	2.16
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	20	2.16
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	11	2.16
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	11	2.16
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	11	2.16
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	11	2.16
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	11	2.16
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	11	2.16
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	11	2.16
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	11	2.16
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	11	2.16
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD11	1	2.16
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD12	1	2.16
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD13	1	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:421:A:ILE:HG21	1:422:A:LEU:H	6	2.16
(1,932)	1:421:A:ILE:HG22	1:422:A:LEU:H	6	2.16
(1,932)	1:421:A:ILE:HG23	1:422:A:LEU:H	6	2.16
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	3	2.16
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	3	2.16
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD2	2	2.16
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD3	2	2.16
(1,851)	1:405:A:ALA:HB1	1:406:A:ASN:H	18	2.16
(1,851)	1:405:A:ALA:HB2	1:406:A:ASN:H	18	2.16
(1,851)	1:405:A:ALA:HB3	1:406:A:ASN:H	18	2.16
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	3	2.16
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	3	2.16
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	3	2.16
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	3	2.16
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	3	2.16
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	3	2.16
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	3	2.16
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	3	2.16
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	3	2.16
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	3	2.16
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	3	2.16
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	3	2.16
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	3	2.16
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	3	2.16
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	3	2.16
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	3	2.16
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	3	2.16
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	3	2.16
(1,836)	1:444:A:LEU:HB3	1:445:A:SER:H	12	2.16
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	20	2.16
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	20	2.16
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	20	2.16
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	20	2.16
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	20	2.16
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	20	2.16
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	20	2.16
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	20	2.16
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	20	2.16
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	4	2.16
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	4	2.16
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	4	2.16
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	4	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	4	2.16
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	4	2.16
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	4	2.16
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	4	2.16
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	4	2.16
(1,809)	1:434:A:ALA:HB1	1:435:A:LYS:H	17	2.16
(1,809)	1:434:A:ALA:HB2	1:435:A:LYS:H	17	2.16
(1,809)	1:434:A:ALA:HB3	1:435:A:LYS:H	17	2.16
(1,710)	1:478:A:VAL:HG21	1:479:A:GLN:H	20	2.16
(1,710)	1:478:A:VAL:HG22	1:479:A:GLN:H	20	2.16
(1,710)	1:478:A:VAL:HG23	1:479:A:GLN:H	20	2.16
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	3	2.16
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	3	2.16
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	3	2.16
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	3	2.16
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	3	2.16
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	3	2.16
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	3	2.16
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	3	2.16
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	3	2.16
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	3	2.16
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	3	2.16
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	3	2.16
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	3	2.16
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	3	2.16
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	3	2.16
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	3	2.16
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	3	2.16
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	3	2.16
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	3	2.16
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	3	2.16
(1,585)	1:428:A:PHE:H	1:428:A:PHE:HB2	11	2.16
(1,552)	1:424:A:MET:H	1:425:A:PHE:H	2	2.16
(1,543)	1:454:A:ASP:H	1:454:A:ASP:HB2	5	2.16
(1,532)	1:416:A:PHE:HA	1:417:A:GLY:H	4	2.16
(1,532)	1:416:A:PHE:HA	1:417:A:GLY:H	16	2.16
(1,512)	1:454:A:ASP:HB3	1:455:A:ASN:H	20	2.16
(1,486)	1:406:A:ASN:H	1:406:A:ASN:HB2	11	2.16
(1,477)	1:444:A:LEU:HB3	1:445:A:SER:H	12	2.16
(1,471)	1:423:A:GLN:HB2	1:424:A:MET:H	13	2.16
(1,471)	1:423:A:GLN:HB3	1:424:A:MET:H	13	2.16
(1,471)	1:423:A:GLN:HB2	1:424:A:MET:H	20	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,471)	1:423:A:GLN:HB3	1:424:A:MET:H	20	2.16
(1,463)	1:420:A:ASP:HA	1:423:A:GLN:H	4	2.16
(1,419)	1:465:A:ALA:H	1:466:A:MET:H	20	2.16
(1,396)	1:429:A:GLY:HA3	1:430:A:ASN:H	2	2.16
(1,378)	1:443:A:ASN:HA	1:444:A:LEU:H	8	2.16
(1,372)	1:458:A:SER:H	1:458:A:SER:HB2	20	2.16
(1,371)	1:458:A:SER:H	1:458:A:SER:HB3	1	2.16
(1,371)	1:458:A:SER:H	1:458:A:SER:HB3	11	2.16
(1,371)	1:458:A:SER:H	1:458:A:SER:HB3	15	2.16
(1,333)	1:467:A:ASN:H	1:467:A:ASN:HB3	8	2.16
(1,321)	1:433:A:SER:H	1:452:A:SER:H	9	2.16
(1,318)	1:473:A:MET:H	1:474:A:LYS:H	17	2.16
(1,276)	1:458:A:SER:H	1:459:A:ALA:H	18	2.16
(1,257)	1:434:A:ALA:HB1	1:435:A:LYS:H	17	2.16
(1,257)	1:434:A:ALA:HB2	1:435:A:LYS:H	17	2.16
(1,257)	1:434:A:ALA:HB3	1:435:A:LYS:H	17	2.16
(1,253)	1:453:A:TYR:H	1:453:A:TYR:HB3	3	2.16
(1,253)	1:453:A:TYR:H	1:453:A:TYR:HB3	10	2.16
(1,253)	1:453:A:TYR:H	1:453:A:TYR:HB3	19	2.16
(1,223)	1:417:A:GLY:HA3	1:418:A:ASP:H	14	2.16
(1,222)	1:418:A:ASP:H	1:419:A:GLN:H	18	2.16
(1,192)	1:418:A:ASP:HB2	1:436:A:VAL:H	17	2.16
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD11	1	2.16
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD12	1	2.16
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD13	1	2.16
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD21	1	2.16
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD22	1	2.16
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD23	1	2.16
(1,136)	1:421:A:ILE:HG21	1:422:A:LEU:H	6	2.16
(1,136)	1:421:A:ILE:HG22	1:422:A:LEU:H	6	2.16
(1,136)	1:421:A:ILE:HG23	1:422:A:LEU:H	6	2.16
(1,119)	1:473:A:MET:H	1:474:A:LYS:H	17	2.16
(1,118)	1:478:A:VAL:HG21	1:479:A:GLN:H	20	2.16
(1,118)	1:478:A:VAL:HG22	1:479:A:GLN:H	20	2.16
(1,118)	1:478:A:VAL:HG23	1:479:A:GLN:H	20	2.16
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG11	2	2.16
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG12	2	2.16
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG13	2	2.16
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG11	16	2.16
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG12	16	2.16
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG13	16	2.16
(1,89)	1:481:A:LYS:H	1:481:A:LYS:HB2	6	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,89)	1:481:A:LYS:H	1:481:A:LYS:HB2	9	2.16
(1,75)	1:446:A:LYS:H	1:447:A:CYS:H	20	2.16
(1,53)	1:471:A:ILE:H	1:471:A:ILE:HB	11	2.16
(1,37)	1:478:A:VAL:H	1:478:A:VAL:HB	15	2.16
(1,26)	1:426:A:MET:H	1:426:A:MET:HG2	18	2.16
(1,26)	1:426:A:MET:H	1:426:A:MET:HG3	18	2.16
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	8	2.15
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	8	2.15
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	8	2.15
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	8	2.15
(1,1485)	1:398:A:GLN:HA	1:398:A:GLN:HG3	18	2.15
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG2	14	2.15
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG3	14	2.15
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG2	16	2.15
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG3	16	2.15
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE1	16	2.15
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE2	16	2.15
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE3	16	2.15
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	3	2.15
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	3	2.15
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	3	2.15
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	3	2.15
(1,1359)	1:475:A:ARG:HB2	1:475:A:ARG:HD2	6	2.15
(1,1359)	1:475:A:ARG:HB3	1:475:A:ARG:HD2	6	2.15
(1,1324)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	4	2.15
(1,1324)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	4	2.15
(1,1324)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	4	2.15
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG2	14	2.15
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG3	14	2.15
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG2	16	2.15
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG3	16	2.15
(1,1249)	1:480:A:LEU:HA	1:480:A:LEU:HG	4	2.15
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG2	5	2.15
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG3	5	2.15
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB2	4	2.15
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB3	4	2.15
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	13	2.15
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	13	2.15
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	13	2.15
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	13	2.15
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	13	2.15
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	13	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	13	2.15
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	13	2.15
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	13	2.15
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD11	20	2.15
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD12	20	2.15
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD13	20	2.15
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	19	2.15
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	19	2.15
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	19	2.15
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	19	2.15
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	19	2.15
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	19	2.15
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG21	4	2.15
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG22	4	2.15
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG23	4	2.15
(1,896)	1:462:A:ALA:HB1	1:463:A:ILE:H	16	2.15
(1,896)	1:462:A:ALA:HB2	1:463:A:ILE:H	16	2.15
(1,896)	1:462:A:ALA:HB3	1:463:A:ILE:H	16	2.15
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG21	4	2.15
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG22	4	2.15
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG23	4	2.15
(1,837)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	4	2.15
(1,837)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	4	2.15
(1,837)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	4	2.15
(1,830)	1:450:A:PHE:HB2	1:451:A:VAL:H	11	2.15
(1,820)	1:431:A:VAL:HG21	1:434:A:ALA:HB1	17	2.15
(1,820)	1:431:A:VAL:HG21	1:434:A:ALA:HB2	17	2.15
(1,820)	1:431:A:VAL:HG21	1:434:A:ALA:HB3	17	2.15
(1,820)	1:431:A:VAL:HG22	1:434:A:ALA:HB1	17	2.15
(1,820)	1:431:A:VAL:HG22	1:434:A:ALA:HB2	17	2.15
(1,820)	1:431:A:VAL:HG22	1:434:A:ALA:HB3	17	2.15
(1,820)	1:431:A:VAL:HG23	1:434:A:ALA:HB1	17	2.15
(1,820)	1:431:A:VAL:HG23	1:434:A:ALA:HB2	17	2.15
(1,820)	1:431:A:VAL:HG23	1:434:A:ALA:HB3	17	2.15
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG11	13	2.15
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG12	13	2.15
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG13	13	2.15
(1,688)	1:480:A:LEU:HD11	1:481:A:LYS:H	19	2.15
(1,688)	1:480:A:LEU:HD12	1:481:A:LYS:H	19	2.15
(1,688)	1:480:A:LEU:HD13	1:481:A:LYS:H	19	2.15
(1,688)	1:480:A:LEU:HD21	1:481:A:LYS:H	19	2.15
(1,688)	1:480:A:LEU:HD22	1:481:A:LYS:H	19	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,688)	1:480:A:LEU:HD23	1:481:A:LYS:H	19	2.15
(1,654)	1:474:A:LYS:H	1:474:A:LYS:HG2	4	2.15
(1,640)	1:466:A:MET:HG2	1:476:A:LEU:HG	1	2.15
(1,640)	1:466:A:MET:HG3	1:476:A:LEU:HG	1	2.15
(1,565)	1:410:A:TYR:HB2	1:411:A:HIS:H	4	2.15
(1,556)	1:424:A:MET:HB2	1:425:A:PHE:H	11	2.15
(1,556)	1:424:A:MET:HB3	1:425:A:PHE:H	11	2.15
(1,543)	1:454:A:ASP:H	1:454:A:ASP:HB2	19	2.15
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD11	11	2.15
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD12	11	2.15
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD13	11	2.15
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD21	11	2.15
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD22	11	2.15
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD23	11	2.15
(1,462)	1:423:A:GLN:H	1:424:A:MET:H	4	2.15
(1,462)	1:423:A:GLN:H	1:424:A:MET:H	20	2.15
(1,430)	1:464:A:GLN:H	1:465:A:ALA:H	10	2.15
(1,396)	1:429:A:GLY:HA3	1:430:A:ASN:H	14	2.15
(1,396)	1:429:A:GLY:HA3	1:430:A:ASN:H	19	2.15
(1,395)	1:429:A:GLY:HA2	1:430:A:ASN:H	4	2.15
(1,382)	1:444:A:LEU:H	1:444:A:LEU:HB3	4	2.15
(1,355)	1:462:A:ALA:H	1:463:A:ILE:H	5	2.15
(1,318)	1:473:A:MET:H	1:474:A:LYS:H	8	2.15
(1,318)	1:473:A:MET:H	1:474:A:LYS:H	20	2.15
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG2	5	2.15
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG3	5	2.15
(1,312)	1:474:A:LYS:HB3	1:475:A:ARG:H	6	2.15
(1,312)	1:474:A:LYS:HB3	1:475:A:ARG:H	9	2.15
(1,276)	1:458:A:SER:H	1:459:A:ALA:H	5	2.15
(1,253)	1:453:A:TYR:H	1:453:A:TYR:HB3	11	2.15
(1,238)	1:400:A:GLU:H	1:400:A:GLU:HB3	11	2.15
(1,237)	1:400:A:GLU:H	1:400:A:GLU:HG3	3	2.15
(1,222)	1:418:A:ASP:H	1:419:A:GLN:H	15	2.15
(1,211)	1:462:A:ALA:H	1:463:A:ILE:H	5	2.15
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD1	4	2.15
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD2	4	2.15
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB2	4	2.15
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB3	4	2.15
(1,125)	1:468:A:GLY:H	1:469:A:PHE:H	18	2.15
(1,121)	1:473:A:MET:H	1:473:A:MET:HG2	10	2.15
(1,119)	1:473:A:MET:H	1:474:A:LYS:H	8	2.15
(1,119)	1:473:A:MET:H	1:474:A:LYS:H	20	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:490:A:TYR:H	1:490:A:TYR:HA	2	2.15
(1,91)	1:480:A:LEU:HD11	1:481:A:LYS:H	19	2.15
(1,91)	1:480:A:LEU:HD12	1:481:A:LYS:H	19	2.15
(1,91)	1:480:A:LEU:HD13	1:481:A:LYS:H	19	2.15
(1,91)	1:480:A:LEU:HD21	1:481:A:LYS:H	19	2.15
(1,91)	1:480:A:LEU:HD22	1:481:A:LYS:H	19	2.15
(1,91)	1:480:A:LEU:HD23	1:481:A:LYS:H	19	2.15
(1,53)	1:471:A:ILE:H	1:471:A:ILE:HB	5	2.15
(1,53)	1:471:A:ILE:H	1:471:A:ILE:HB	13	2.15
(1,53)	1:471:A:ILE:H	1:471:A:ILE:HB	14	2.15
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG2	7	2.15
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG3	7	2.15
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG2	9	2.15
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG3	9	2.15
(1,1589)	1:411:A:HIS:HA	1:411:A:HIS:HD2	2	2.14
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD2	7	2.14
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD3	7	2.14
(1,1500)	1:463:A:ILE:HG21	1:479:A:GLN:HA	3	2.14
(1,1500)	1:463:A:ILE:HG22	1:479:A:GLN:HA	3	2.14
(1,1500)	1:463:A:ILE:HG23	1:479:A:GLN:HA	3	2.14
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG2	10	2.14
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG3	10	2.14
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG2	2	2.14
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG3	2	2.14
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG11	18	2.14
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG12	18	2.14
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG13	18	2.14
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG2	10	2.14
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG3	10	2.14
(1,1249)	1:480:A:LEU:HA	1:480:A:LEU:HG	19	2.14
(1,1228)	1:455:A:ASN:HA	1:456:A:PRO:HD3	17	2.14
(1,1223)	1:423:A:GLN:HB2	1:424:A:MET:H	7	2.14
(1,1223)	1:423:A:GLN:HB3	1:424:A:MET:H	7	2.14
(1,1180)	1:463:A:ILE:HG21	1:479:A:GLN:HA	3	2.14
(1,1180)	1:463:A:ILE:HG22	1:479:A:GLN:HA	3	2.14
(1,1180)	1:463:A:ILE:HG23	1:479:A:GLN:HA	3	2.14
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG2	3	2.14
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG3	3	2.14
(1,1103)	1:441:A:GLN:HA	1:441:A:GLN:HG3	6	2.14
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG2	2	2.14
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG3	2	2.14
(1,1023)	1:421:A:ILE:HB	1:422:A:LEU:H	2	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG21	6	2.14
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG22	6	2.14
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG23	6	2.14
(1,939)	1:486:A:ASP:H	1:486:A:ASP:HB3	10	2.14
(1,932)	1:421:A:ILE:HG21	1:422:A:LEU:H	17	2.14
(1,932)	1:421:A:ILE:HG22	1:422:A:LEU:H	17	2.14
(1,932)	1:421:A:ILE:HG23	1:422:A:LEU:H	17	2.14
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG21	6	2.14
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG22	6	2.14
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG23	6	2.14
(1,851)	1:405:A:ALA:HB1	1:406:A:ASN:H	10	2.14
(1,851)	1:405:A:ALA:HB2	1:406:A:ASN:H	10	2.14
(1,851)	1:405:A:ALA:HB3	1:406:A:ASN:H	10	2.14
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	4	2.14
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	4	2.14
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	4	2.14
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	4	2.14
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	4	2.14
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	4	2.14
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	4	2.14
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	4	2.14
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	4	2.14
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	4	2.14
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	4	2.14
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	4	2.14
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	4	2.14
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	4	2.14
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	4	2.14
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	4	2.14
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	4	2.14
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	4	2.14
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	6	2.14
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	6	2.14
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	6	2.14
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	6	2.14
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	6	2.14
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	6	2.14
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	6	2.14
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	6	2.14
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	6	2.14
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	6	2.14
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	6	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	6	2.14
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	6	2.14
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	6	2.14
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	6	2.14
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	6	2.14
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	6	2.14
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	6	2.14
(1,788)	1:478:A:VAL:HG11	1:479:A:GLN:H	15	2.14
(1,788)	1:478:A:VAL:HG12	1:479:A:GLN:H	15	2.14
(1,788)	1:478:A:VAL:HG13	1:479:A:GLN:H	15	2.14
(1,720)	1:444:A:LEU:HD11	1:445:A:SER:H	10	2.14
(1,720)	1:444:A:LEU:HD12	1:445:A:SER:H	10	2.14
(1,720)	1:444:A:LEU:HD13	1:445:A:SER:H	10	2.14
(1,720)	1:444:A:LEU:HD21	1:445:A:SER:H	10	2.14
(1,720)	1:444:A:LEU:HD22	1:445:A:SER:H	10	2.14
(1,720)	1:444:A:LEU:HD23	1:445:A:SER:H	10	2.14
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	4	2.14
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	4	2.14
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	4	2.14
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	4	2.14
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	4	2.14
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	4	2.14
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	4	2.14
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	4	2.14
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	4	2.14
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	4	2.14
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	4	2.14
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	4	2.14
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	4	2.14
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	4	2.14
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	4	2.14
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	4	2.14
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	4	2.14
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	4	2.14
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	6	2.14
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	6	2.14
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	6	2.14
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	6	2.14
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	6	2.14
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	6	2.14
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	6	2.14
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	6	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	6	2.14
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	6	2.14
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	6	2.14
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	6	2.14
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	6	2.14
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	6	2.14
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	6	2.14
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	6	2.14
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	6	2.14
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	6	2.14
(1,640)	1:466:A:MET:HG2	1:476:A:LEU:HG	6	2.14
(1,640)	1:466:A:MET:HG3	1:476:A:LEU:HG	6	2.14
(1,640)	1:466:A:MET:HG2	1:476:A:LEU:HG	11	2.14
(1,640)	1:466:A:MET:HG3	1:476:A:LEU:HG	11	2.14
(1,565)	1:410:A:TYR:HB2	1:411:A:HIS:H	6	2.14
(1,486)	1:406:A:ASN:H	1:406:A:ASN:HB2	1	2.14
(1,479)	1:444:A:LEU:HD11	1:445:A:SER:H	10	2.14
(1,479)	1:444:A:LEU:HD12	1:445:A:SER:H	10	2.14
(1,479)	1:444:A:LEU:HD13	1:445:A:SER:H	10	2.14
(1,479)	1:444:A:LEU:HD21	1:445:A:SER:H	10	2.14
(1,479)	1:444:A:LEU:HD22	1:445:A:SER:H	10	2.14
(1,479)	1:444:A:LEU:HD23	1:445:A:SER:H	10	2.14
(1,475)	1:445:A:SER:H	1:445:A:SER:HB3	18	2.14
(1,471)	1:423:A:GLN:HB2	1:424:A:MET:H	7	2.14
(1,471)	1:423:A:GLN:HB3	1:424:A:MET:H	7	2.14
(1,462)	1:423:A:GLN:H	1:424:A:MET:H	17	2.14
(1,447)	1:419:A:GLN:H	1:419:A:GLN:HB3	6	2.14
(1,447)	1:419:A:GLN:H	1:419:A:GLN:HB3	13	2.14
(1,413)	1:441:A:GLN:H	1:442:A:THR:H	19	2.14
(1,378)	1:443:A:ASN:HA	1:444:A:LEU:H	16	2.14
(1,355)	1:462:A:ALA:H	1:463:A:ILE:H	1	2.14
(1,312)	1:474:A:LYS:HB3	1:475:A:ARG:H	10	2.14
(1,300)	1:405:A:ALA:H	1:456:A:PRO:HD3	17	2.14
(1,276)	1:458:A:SER:H	1:459:A:ALA:H	10	2.14
(1,261)	1:486:A:ASP:H	1:486:A:ASP:HB3	10	2.14
(1,253)	1:453:A:TYR:H	1:453:A:TYR:HB3	2	2.14
(1,224)	1:417:A:GLY:HA2	1:418:A:ASP:H	14	2.14
(1,222)	1:418:A:ASP:H	1:419:A:GLN:H	20	2.14
(1,211)	1:462:A:ALA:H	1:463:A:ILE:H	1	2.14
(1,189)	1:460:A:GLN:HB2	1:461:A:ALA:H	2	2.14
(1,189)	1:460:A:GLN:HB3	1:461:A:ALA:H	2	2.14
(1,136)	1:421:A:ILE:HG21	1:422:A:LEU:H	17	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:421:A:ILE:HG22	1:422:A:LEU:H	17	2.14
(1,136)	1:421:A:ILE:HG23	1:422:A:LEU:H	17	2.14
(1,99)	1:407:A:LEU:H	1:451:A:VAL:H	5	2.14
(1,89)	1:481:A:LYS:H	1:481:A:LYS:HB2	8	2.14
(1,53)	1:471:A:ILE:H	1:471:A:ILE:HB	4	2.14
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	4	2.13
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	4	2.13
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	4	2.13
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	4	2.13
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD1	18	2.13
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD2	18	2.13
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD1	8	2.13
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD2	8	2.13
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	9	2.13
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	9	2.13
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	9	2.13
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG11	10	2.13
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG12	10	2.13
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG13	10	2.13
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG11	8	2.13
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG12	8	2.13
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG13	8	2.13
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG11	8	2.13
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG12	8	2.13
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG13	8	2.13
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG11	11	2.13
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG12	11	2.13
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG13	11	2.13
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG11	11	2.13
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG12	11	2.13
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG13	11	2.13
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD11	13	2.13
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD12	13	2.13
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD13	13	2.13
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD21	13	2.13
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD22	13	2.13
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD23	13	2.13
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG2	1	2.13
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG3	1	2.13
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG2	2	2.13
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG3	2	2.13
(1,1228)	1:455:A:ASN:HA	1:456:A:PRO:HD3	1	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG2	1	2.13
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG3	1	2.13
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG2	6	2.13
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG3	6	2.13
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG2	14	2.13
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG3	14	2.13
(1,1106)	1:478:A:VAL:H	1:478:A:VAL:HB	7	2.13
(1,1106)	1:478:A:VAL:H	1:478:A:VAL:HB	17	2.13
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	1	2.13
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	1	2.13
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	1	2.13
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	1	2.13
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	1	2.13
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	1	2.13
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	1	2.13
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	1	2.13
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	1	2.13
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD11	1	2.13
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD12	1	2.13
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD13	1	2.13
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB1	4	2.13
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB2	4	2.13
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB3	4	2.13
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	15	2.13
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	15	2.13
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	15	2.13
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	15	2.13
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	15	2.13
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	15	2.13
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	15	2.13
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	15	2.13
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	15	2.13
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	15	2.13
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	15	2.13
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	15	2.13
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	15	2.13
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	15	2.13
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	15	2.13
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB1	2	2.13
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB2	2	2.13
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB3	2	2.13
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB1	5	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB2	5	2.13
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB3	5	2.13
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG11	6	2.13
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG12	6	2.13
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG13	6	2.13
(1,565)	1:410:A:TYR:HB2	1:411:A:HIS:H	14	2.13
(1,552)	1:424:A:MET:H	1:425:A:PHE:H	5	2.13
(1,534)	1:453:A:TYR:HD1	1:454:A:ASP:H	19	2.13
(1,534)	1:453:A:TYR:HD2	1:454:A:ASP:H	19	2.13
(1,486)	1:406:A:ASN:H	1:406:A:ASN:HB2	20	2.13
(1,436)	1:420:A:ASP:H	1:421:A:ILE:H	8	2.13
(1,430)	1:464:A:GLN:H	1:465:A:ALA:H	3	2.13
(1,430)	1:464:A:GLN:H	1:465:A:ALA:H	11	2.13
(1,430)	1:464:A:GLN:H	1:465:A:ALA:H	13	2.13
(1,378)	1:443:A:ASN:HA	1:444:A:LEU:H	13	2.13
(1,372)	1:458:A:SER:H	1:458:A:SER:HB2	6	2.13
(1,371)	1:458:A:SER:H	1:458:A:SER:HB3	17	2.13
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG2	1	2.13
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG3	1	2.13
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG2	2	2.13
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG3	2	2.13
(1,300)	1:405:A:ALA:H	1:456:A:PRO:HD3	10	2.13
(1,253)	1:453:A:TYR:H	1:453:A:TYR:HB3	4	2.13
(1,253)	1:453:A:TYR:H	1:453:A:TYR:HB3	16	2.13
(1,238)	1:400:A:GLU:H	1:400:A:GLU:HB3	1	2.13
(1,238)	1:400:A:GLU:H	1:400:A:GLU:HB3	10	2.13
(1,222)	1:418:A:ASP:H	1:419:A:GLN:H	2	2.13
(1,222)	1:418:A:ASP:H	1:419:A:GLN:H	4	2.13
(1,125)	1:468:A:GLY:H	1:469:A:PHE:H	13	2.13
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG11	18	2.13
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG12	18	2.13
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG13	18	2.13
(1,53)	1:471:A:ILE:H	1:471:A:ILE:HB	10	2.13
(1,53)	1:471:A:ILE:H	1:471:A:ILE:HB	15	2.13
(1,47)	1:439:A:ASP:H	1:439:A:ASP:HB3	2	2.13
(1,37)	1:478:A:VAL:H	1:478:A:VAL:HB	7	2.13
(1,37)	1:478:A:VAL:H	1:478:A:VAL:HB	17	2.13
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD1	6	2.12
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD2	6	2.12
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD1	20	2.12
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD2	20	2.12
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD2	1	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD3	1	2.12
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD2	2	2.12
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD3	2	2.12
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG21	2	2.12
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG22	2	2.12
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG23	2	2.12
(1,1342)	1:405:A:ALA:HB1	1:453:A:TYR:HB3	20	2.12
(1,1342)	1:405:A:ALA:HB2	1:453:A:TYR:HB3	20	2.12
(1,1342)	1:405:A:ALA:HB3	1:453:A:TYR:HB3	20	2.12
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG11	16	2.12
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG12	16	2.12
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG13	16	2.12
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD11	5	2.12
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD12	5	2.12
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD13	5	2.12
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD21	5	2.12
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD22	5	2.12
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD23	5	2.12
(1,1228)	1:455:A:ASN:HA	1:456:A:PRO:HD3	6	2.12
(1,1106)	1:478:A:VAL:H	1:478:A:VAL:HB	14	2.12
(1,1100)	1:474:A:LYS:HB2	1:475:A:ARG:H	1	2.12
(1,1100)	1:474:A:LYS:HB3	1:475:A:ARG:H	1	2.12
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	10	2.12
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	10	2.12
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	10	2.12
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	10	2.12
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	10	2.12
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	10	2.12
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	10	2.12
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	10	2.12
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	10	2.12
(1,1032)	1:430:A:ASN:HB2	1:454:A:ASP:H	13	2.12
(1,1032)	1:430:A:ASN:HB3	1:454:A:ASP:H	13	2.12
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB1	1	2.12
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB2	1	2.12
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB3	1	2.12
(1,975)	1:438:A:ILE:HG21	1:439:A:ASP:H	12	2.12
(1,975)	1:438:A:ILE:HG22	1:439:A:ASP:H	12	2.12
(1,975)	1:438:A:ILE:HG23	1:439:A:ASP:H	12	2.12
(1,954)	1:463:A:ILE:HG21	1:464:A:GLN:H	16	2.12
(1,954)	1:463:A:ILE:HG22	1:464:A:GLN:H	16	2.12
(1,954)	1:463:A:ILE:HG23	1:464:A:GLN:H	16	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	13	2.12
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	13	2.12
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	4	2.12
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	4	2.12
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	4	2.12
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	4	2.12
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	4	2.12
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	4	2.12
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	18	2.12
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	18	2.12
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	18	2.12
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	18	2.12
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	18	2.12
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	18	2.12
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB2	5	2.12
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB3	5	2.12
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE1	12	2.12
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE2	12	2.12
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	12	2.12
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	12	2.12
(1,857)	1:409:A:ILE:HG21	1:410:A:TYR:H	3	2.12
(1,857)	1:409:A:ILE:HG22	1:410:A:TYR:H	3	2.12
(1,857)	1:409:A:ILE:HG23	1:410:A:TYR:H	3	2.12
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	18	2.12
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	18	2.12
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	18	2.12
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	18	2.12
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	18	2.12
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	18	2.12
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	18	2.12
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	18	2.12
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	18	2.12
(1,851)	1:405:A:ALA:HB1	1:406:A:ASN:H	14	2.12
(1,851)	1:405:A:ALA:HB2	1:406:A:ASN:H	14	2.12
(1,851)	1:405:A:ALA:HB3	1:406:A:ASN:H	14	2.12
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	5	2.12
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	5	2.12
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	5	2.12
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	5	2.12
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	5	2.12
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	5	2.12
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	5	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	5	2.12
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	5	2.12
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	5	2.12
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	5	2.12
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	5	2.12
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	5	2.12
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	5	2.12
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	5	2.12
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	5	2.12
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	5	2.12
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	5	2.12
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	10	2.12
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	10	2.12
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	10	2.12
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	10	2.12
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	10	2.12
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	10	2.12
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	10	2.12
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	10	2.12
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	10	2.12
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB1	7	2.12
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB2	7	2.12
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB3	7	2.12
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB1	12	2.12
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB2	12	2.12
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB3	12	2.12
(1,762)	1:457:A:VAL:HG11	1:458:A:SER:H	5	2.12
(1,762)	1:457:A:VAL:HG12	1:458:A:SER:H	5	2.12
(1,762)	1:457:A:VAL:HG13	1:458:A:SER:H	5	2.12
(1,762)	1:457:A:VAL:HG21	1:458:A:SER:H	5	2.12
(1,762)	1:457:A:VAL:HG22	1:458:A:SER:H	5	2.12
(1,762)	1:457:A:VAL:HG23	1:458:A:SER:H	5	2.12
(1,762)	1:457:A:VAL:HG11	1:458:A:SER:H	18	2.12
(1,762)	1:457:A:VAL:HG12	1:458:A:SER:H	18	2.12
(1,762)	1:457:A:VAL:HG13	1:458:A:SER:H	18	2.12
(1,762)	1:457:A:VAL:HG21	1:458:A:SER:H	18	2.12
(1,762)	1:457:A:VAL:HG22	1:458:A:SER:H	18	2.12
(1,762)	1:457:A:VAL:HG23	1:458:A:SER:H	18	2.12
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	12	2.12
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	12	2.12
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	12	2.12
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG2	5	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG3	5	2.12
(1,679)	1:477:A:LYS:HG2	1:478:A:VAL:H	7	2.12
(1,679)	1:477:A:LYS:HG3	1:478:A:VAL:H	7	2.12
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	13	2.12
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	13	2.12
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	5	2.12
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	5	2.12
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	5	2.12
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	5	2.12
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	5	2.12
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	5	2.12
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	5	2.12
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	5	2.12
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	5	2.12
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	5	2.12
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	5	2.12
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	5	2.12
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	5	2.12
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	5	2.12
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	5	2.12
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	5	2.12
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	5	2.12
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	5	2.12
(1,565)	1:410:A:TYR:HB2	1:411:A:HIS:H	17	2.12
(1,547)	1:404:A:GLY:H	1:405:A:ALA:H	1	2.12
(1,547)	1:404:A:GLY:H	1:405:A:ALA:H	20	2.12
(1,522)	1:432:A:ILE:HB	1:433:A:SER:H	10	2.12
(1,452)	1:459:A:ALA:H	1:460:A:GLN:H	2	2.12
(1,447)	1:419:A:GLN:H	1:419:A:GLN:HB3	10	2.12
(1,430)	1:464:A:GLN:H	1:465:A:ALA:H	4	2.12
(1,396)	1:429:A:GLY:HA3	1:430:A:ASN:H	6	2.12
(1,396)	1:429:A:GLY:HA3	1:430:A:ASN:H	13	2.12
(1,395)	1:429:A:GLY:HA2	1:430:A:ASN:H	11	2.12
(1,382)	1:444:A:LEU:H	1:444:A:LEU:HB3	16	2.12
(1,371)	1:458:A:SER:H	1:458:A:SER:HB3	13	2.12
(1,355)	1:462:A:ALA:H	1:463:A:ILE:H	4	2.12
(1,321)	1:433:A:SER:H	1:452:A:SER:H	6	2.12
(1,321)	1:433:A:SER:H	1:452:A:SER:H	20	2.12
(1,310)	1:475:A:ARG:H	1:475:A:ARG:HD2	2	2.12
(1,276)	1:458:A:SER:H	1:459:A:ALA:H	1	2.12
(1,276)	1:458:A:SER:H	1:459:A:ALA:H	14	2.12
(1,253)	1:453:A:TYR:H	1:453:A:TYR:HB3	1	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,232)	1:438:A:ILE:H	1:438:A:ILE:HB	12	2.12
(1,224)	1:417:A:GLY:HA2	1:418:A:ASP:H	18	2.12
(1,211)	1:462:A:ALA:H	1:463:A:ILE:H	4	2.12
(1,182)	1:422:A:LEU:H	1:422:A:LEU:HB2	19	2.12
(1,170)	1:483:A:SER:HB2	1:484:A:LYS:H	8	2.12
(1,170)	1:483:A:SER:HB3	1:484:A:LYS:H	8	2.12
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD11	13	2.12
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD12	13	2.12
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD13	13	2.12
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD21	13	2.12
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD22	13	2.12
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD23	13	2.12
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG11	20	2.12
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG12	20	2.12
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG13	20	2.12
(1,89)	1:481:A:LYS:H	1:481:A:LYS:HB2	13	2.12
(1,88)	1:481:A:LYS:H	1:481:A:LYS:HB3	14	2.12
(1,75)	1:446:A:LYS:H	1:447:A:CYS:H	1	2.12
(1,53)	1:471:A:ILE:H	1:471:A:ILE:HB	6	2.12
(1,37)	1:478:A:VAL:H	1:478:A:VAL:HB	14	2.12
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	12	2.11
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	12	2.11
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	12	2.11
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	12	2.11
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	12	2.11
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	12	2.11
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG12	13	2.11
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG13	13	2.11
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD11	19	2.11
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD12	19	2.11
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD13	19	2.11
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD21	19	2.11
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD22	19	2.11
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD23	19	2.11
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD11	19	2.11
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD12	19	2.11
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD13	19	2.11
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD21	19	2.11
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD22	19	2.11
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD23	19	2.11
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD11	19	2.11
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD12	19	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD13	19	2.11
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD21	19	2.11
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD22	19	2.11
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD23	19	2.11
(1,1249)	1:480:A:LEU:HA	1:480:A:LEU:HG	9	2.11
(1,1249)	1:480:A:LEU:HA	1:480:A:LEU:HG	17	2.11
(1,1232)	1:419:A:GLN:HB3	1:420:A:ASP:H	17	2.11
(1,1228)	1:455:A:ASN:HA	1:456:A:PRO:HD3	5	2.11
(1,1228)	1:455:A:ASN:HA	1:456:A:PRO:HD3	12	2.11
(1,1103)	1:441:A:GLN:HA	1:441:A:GLN:HG3	12	2.11
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	5	2.11
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	5	2.11
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	5	2.11
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	5	2.11
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	5	2.11
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	5	2.11
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	5	2.11
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	5	2.11
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	5	2.11
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG21	5	2.11
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG22	5	2.11
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG23	5	2.11
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB2	15	2.11
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB3	15	2.11
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG12	13	2.11
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG13	13	2.11
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG21	5	2.11
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG22	5	2.11
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG23	5	2.11
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG11	5	2.11
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG12	5	2.11
(1,786)	1:463:A:ILE:HA	1:478:A:VAL:HG13	5	2.11
(1,700)	1:476:A:LEU:HD11	1:477:A:LYS:H	7	2.11
(1,700)	1:476:A:LEU:HD12	1:477:A:LYS:H	7	2.11
(1,700)	1:476:A:LEU:HD13	1:477:A:LYS:H	7	2.11
(1,700)	1:476:A:LEU:HD21	1:477:A:LYS:H	7	2.11
(1,700)	1:476:A:LEU:HD22	1:477:A:LYS:H	7	2.11
(1,700)	1:476:A:LEU:HD23	1:477:A:LYS:H	7	2.11
(1,700)	1:476:A:LEU:HD11	1:477:A:LYS:H	8	2.11
(1,700)	1:476:A:LEU:HD12	1:477:A:LYS:H	8	2.11
(1,700)	1:476:A:LEU:HD13	1:477:A:LYS:H	8	2.11
(1,700)	1:476:A:LEU:HD21	1:477:A:LYS:H	8	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,700)	1:476:A:LEU:HD22	1:477:A:LYS:H	8	2.11
(1,700)	1:476:A:LEU:HD23	1:477:A:LYS:H	8	2.11
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG2	10	2.11
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG3	10	2.11
(1,672)	1:444:A:LEU:H	1:444:A:LEU:HG	2	2.11
(1,672)	1:444:A:LEU:H	1:444:A:LEU:HG	8	2.11
(1,672)	1:444:A:LEU:H	1:444:A:LEU:HG	20	2.11
(1,599)	1:428:A:PHE:H	1:429:A:GLY:H	15	2.11
(1,565)	1:410:A:TYR:HB2	1:411:A:HIS:H	16	2.11
(1,547)	1:404:A:GLY:H	1:405:A:ALA:H	4	2.11
(1,547)	1:404:A:GLY:H	1:405:A:ALA:H	5	2.11
(1,522)	1:432:A:ILE:HB	1:433:A:SER:H	2	2.11
(1,486)	1:406:A:ASN:H	1:406:A:ASN:HB2	10	2.11
(1,430)	1:464:A:GLN:H	1:465:A:ALA:H	7	2.11
(1,430)	1:464:A:GLN:H	1:465:A:ALA:H	12	2.11
(1,430)	1:464:A:GLN:H	1:465:A:ALA:H	14	2.11
(1,430)	1:464:A:GLN:H	1:465:A:ALA:H	18	2.11
(1,413)	1:441:A:GLN:H	1:442:A:THR:H	1	2.11
(1,413)	1:441:A:GLN:H	1:442:A:THR:H	17	2.11
(1,411)	1:440:A:LYS:H	1:441:A:GLN:H	4	2.11
(1,395)	1:429:A:GLY:HA2	1:430:A:ASN:H	9	2.11
(1,387)	1:419:A:GLN:HB3	1:420:A:ASP:H	17	2.11
(1,384)	1:444:A:LEU:H	1:444:A:LEU:HG	2	2.11
(1,384)	1:444:A:LEU:H	1:444:A:LEU:HG	8	2.11
(1,384)	1:444:A:LEU:H	1:444:A:LEU:HG	20	2.11
(1,223)	1:417:A:GLY:HA3	1:418:A:ASP:H	20	2.11
(1,222)	1:418:A:ASP:H	1:419:A:GLN:H	6	2.11
(1,113)	1:476:A:LEU:HD11	1:477:A:LYS:H	7	2.11
(1,113)	1:476:A:LEU:HD12	1:477:A:LYS:H	7	2.11
(1,113)	1:476:A:LEU:HD13	1:477:A:LYS:H	7	2.11
(1,113)	1:476:A:LEU:HD21	1:477:A:LYS:H	7	2.11
(1,113)	1:476:A:LEU:HD22	1:477:A:LYS:H	7	2.11
(1,113)	1:476:A:LEU:HD23	1:477:A:LYS:H	7	2.11
(1,113)	1:476:A:LEU:HD11	1:477:A:LYS:H	8	2.11
(1,113)	1:476:A:LEU:HD12	1:477:A:LYS:H	8	2.11
(1,113)	1:476:A:LEU:HD13	1:477:A:LYS:H	8	2.11
(1,113)	1:476:A:LEU:HD21	1:477:A:LYS:H	8	2.11
(1,113)	1:476:A:LEU:HD22	1:477:A:LYS:H	8	2.11
(1,113)	1:476:A:LEU:HD23	1:477:A:LYS:H	8	2.11
(1,75)	1:446:A:LYS:H	1:447:A:CYS:H	5	2.11
(1,53)	1:471:A:ILE:H	1:471:A:ILE:HB	19	2.11
(1,20)	1:425:A:PHE:H	1:426:A:MET:H	13	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1589)	1:411:A:HIS:HA	1:411:A:HIS:HD2	16	2.1
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD1	11	2.1
(1,1584)	1:416:A:PHE:HA	1:416:A:PHE:HD2	11	2.1
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD2	16	2.1
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD3	16	2.1
(1,1506)	1:426:A:MET:HE1	1:430:A:ASN:HA	16	2.1
(1,1506)	1:426:A:MET:HE2	1:430:A:ASN:HA	16	2.1
(1,1506)	1:426:A:MET:HE3	1:430:A:ASN:HA	16	2.1
(1,1485)	1:398:A:GLN:HA	1:398:A:GLN:HG3	4	2.1
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD2	6	2.1
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD3	6	2.1
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD2	6	2.1
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD3	6	2.1
(1,1460)	1:423:A:GLN:HA	1:423:A:GLN:HG3	7	2.1
(1,1459)	1:414:A:GLN:HA	1:414:A:GLN:HG3	13	2.1
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG2	5	2.1
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG3	5	2.1
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB1	14	2.1
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB2	14	2.1
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB3	14	2.1
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB1	14	2.1
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB2	14	2.1
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB3	14	2.1
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB1	14	2.1
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB2	14	2.1
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB3	14	2.1
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD11	12	2.1
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD12	12	2.1
(1,1378)	1:421:A:ILE:HG21	1:421:A:ILE:HD13	12	2.1
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD11	12	2.1
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD12	12	2.1
(1,1378)	1:421:A:ILE:HG22	1:421:A:ILE:HD13	12	2.1
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD11	12	2.1
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD12	12	2.1
(1,1378)	1:421:A:ILE:HG23	1:421:A:ILE:HD13	12	2.1
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG21	5	2.1
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG22	5	2.1
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG23	5	2.1
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	5	2.1
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	5	2.1
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	5	2.1
(1,1359)	1:475:A:ARG:HB2	1:475:A:ARG:HD2	2	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1359)	1:475:A:ARG:HB3	1:475:A:ARG:HD2	2	2.1
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG11	6	2.1
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG12	6	2.1
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG13	6	2.1
(1,1324)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	1	2.1
(1,1324)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	1	2.1
(1,1324)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	1	2.1
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	13	2.1
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	13	2.1
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	13	2.1
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	13	2.1
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	13	2.1
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	13	2.1
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	13	2.1
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	13	2.1
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	13	2.1
(1,1228)	1:455:A:ASN:HA	1:456:A:PRO:HD3	2	2.1
(1,1228)	1:455:A:ASN:HA	1:456:A:PRO:HD3	15	2.1
(1,1166)	1:400:A:GLU:HB2	1:401:A:GLY:H	9	2.1
(1,1112)	1:423:A:GLN:HA	1:423:A:GLN:HG3	7	2.1
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	6	2.1
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	6	2.1
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	6	2.1
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	6	2.1
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	6	2.1
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	6	2.1
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	6	2.1
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	6	2.1
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	6	2.1
(1,936)	1:459:A:ALA:HB1	1:460:A:GLN:H	9	2.1
(1,936)	1:459:A:ALA:HB2	1:460:A:GLN:H	9	2.1
(1,936)	1:459:A:ALA:HB3	1:460:A:GLN:H	9	2.1
(1,924)	1:455:A:ASN:H	1:455:A:ASN:HB3	3	2.1
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	1	2.1
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	1	2.1
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	1	2.1
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	1	2.1
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	1	2.1
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	1	2.1
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	1	2.1
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	1	2.1
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	1	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	1	2.1
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	1	2.1
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	1	2.1
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	1	2.1
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	1	2.1
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	1	2.1
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	1	2.1
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	1	2.1
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	1	2.1
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	19	2.1
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	19	2.1
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	19	2.1
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	19	2.1
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	19	2.1
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	19	2.1
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	19	2.1
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	19	2.1
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	19	2.1
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	19	2.1
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	19	2.1
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	19	2.1
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	19	2.1
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	19	2.1
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	19	2.1
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	19	2.1
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	19	2.1
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	19	2.1
(1,837)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	1	2.1
(1,837)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	1	2.1
(1,837)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	1	2.1
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	13	2.1
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	13	2.1
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	13	2.1
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	13	2.1
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	13	2.1
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	13	2.1
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	13	2.1
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	13	2.1
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	13	2.1
(1,817)	1:431:A:VAL:HB	1:434:A:ALA:HB1	19	2.1
(1,817)	1:431:A:VAL:HB	1:434:A:ALA:HB2	19	2.1
(1,817)	1:431:A:VAL:HB	1:434:A:ALA:HB3	19	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,809)	1:434:A:ALA:HB1	1:435:A:LYS:H	15	2.1
(1,809)	1:434:A:ALA:HB2	1:435:A:LYS:H	15	2.1
(1,809)	1:434:A:ALA:HB3	1:435:A:LYS:H	15	2.1
(1,762)	1:457:A:VAL:HG11	1:458:A:SER:H	19	2.1
(1,762)	1:457:A:VAL:HG12	1:458:A:SER:H	19	2.1
(1,762)	1:457:A:VAL:HG13	1:458:A:SER:H	19	2.1
(1,762)	1:457:A:VAL:HG21	1:458:A:SER:H	19	2.1
(1,762)	1:457:A:VAL:HG22	1:458:A:SER:H	19	2.1
(1,762)	1:457:A:VAL:HG23	1:458:A:SER:H	19	2.1
(1,672)	1:444:A:LEU:H	1:444:A:LEU:HG	7	2.1
(1,672)	1:444:A:LEU:H	1:444:A:LEU:HG	14	2.1
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	1	2.1
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	1	2.1
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	1	2.1
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	1	2.1
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	1	2.1
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	1	2.1
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	1	2.1
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	1	2.1
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	1	2.1
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	1	2.1
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	1	2.1
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	1	2.1
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	1	2.1
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	1	2.1
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	1	2.1
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	1	2.1
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	1	2.1
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	1	2.1
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	19	2.1
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	19	2.1
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	19	2.1
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	19	2.1
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	19	2.1
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	19	2.1
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	19	2.1
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	19	2.1
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	19	2.1
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	19	2.1
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	19	2.1
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	19	2.1
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	19	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	19	2.1
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	19	2.1
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	19	2.1
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	19	2.1
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	19	2.1
(1,582)	1:400:A:GLU:HB2	1:401:A:GLY:H	9	2.1
(1,514)	1:455:A:ASN:H	1:455:A:ASN:HB3	3	2.1
(1,452)	1:459:A:ALA:H	1:460:A:GLN:H	9	2.1
(1,430)	1:464:A:GLN:H	1:465:A:ALA:H	8	2.1
(1,395)	1:429:A:GLY:HA2	1:430:A:ASN:H	5	2.1
(1,384)	1:444:A:LEU:H	1:444:A:LEU:HG	7	2.1
(1,384)	1:444:A:LEU:H	1:444:A:LEU:HG	14	2.1
(1,377)	1:443:A:ASN:H	1:444:A:LEU:H	13	2.1
(1,333)	1:467:A:ASN:H	1:467:A:ASN:HB3	1	2.1
(1,318)	1:473:A:MET:H	1:474:A:LYS:H	14	2.1
(1,276)	1:458:A:SER:H	1:459:A:ALA:H	19	2.1
(1,257)	1:434:A:ALA:HB1	1:435:A:LYS:H	15	2.1
(1,257)	1:434:A:ALA:HB2	1:435:A:LYS:H	15	2.1
(1,257)	1:434:A:ALA:HB3	1:435:A:LYS:H	15	2.1
(1,253)	1:453:A:TYR:H	1:453:A:TYR:HB3	6	2.1
(1,253)	1:453:A:TYR:H	1:453:A:TYR:HB3	15	2.1
(1,253)	1:453:A:TYR:H	1:453:A:TYR:HB3	20	2.1
(1,222)	1:418:A:ASP:H	1:419:A:GLN:H	13	2.1
(1,192)	1:418:A:ASP:HB2	1:436:A:VAL:H	19	2.1
(1,182)	1:422:A:LEU:H	1:422:A:LEU:HB2	10	2.1
(1,122)	1:473:A:MET:H	1:473:A:MET:HB2	6	2.1
(1,122)	1:473:A:MET:H	1:473:A:MET:HB2	10	2.1
(1,119)	1:473:A:MET:H	1:474:A:LYS:H	14	2.1
(1,116)	1:490:A:TYR:H	1:490:A:TYR:HB2	6	2.1
(1,115)	1:490:A:TYR:H	1:490:A:TYR:HA	11	2.1
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG11	5	2.1
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG12	5	2.1
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG13	5	2.1
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG2	4	2.1
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG3	4	2.1
(1,1537)	1:448:A:PHE:HD1	1:449:A:GLY:H	10	2.09
(1,1537)	1:448:A:PHE:HD2	1:449:A:GLY:H	10	2.09
(1,1485)	1:398:A:GLN:HA	1:398:A:GLN:HG3	6	2.09
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	3	2.09
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	3	2.09
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	3	2.09
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	3	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	3	2.09
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	3	2.09
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	12	2.09
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	12	2.09
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	12	2.09
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	12	2.09
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	12	2.09
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	12	2.09
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	12	2.09
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	12	2.09
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	12	2.09
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG21	4	2.09
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG22	4	2.09
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG23	4	2.09
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	14	2.09
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	14	2.09
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	14	2.09
(1,1358)	1:475:A:ARG:HB2	1:475:A:ARG:HD3	17	2.09
(1,1358)	1:475:A:ARG:HB3	1:475:A:ARG:HD3	17	2.09
(1,1324)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	5	2.09
(1,1324)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	5	2.09
(1,1324)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	5	2.09
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG11	1	2.09
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG12	1	2.09
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG13	1	2.09
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	12	2.09
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	12	2.09
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	12	2.09
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	12	2.09
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	12	2.09
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	12	2.09
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	12	2.09
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	12	2.09
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	12	2.09
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	17	2.09
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	17	2.09
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	17	2.09
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	17	2.09
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	17	2.09
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	17	2.09
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	17	2.09
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	17	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	17	2.09
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	11	2.09
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	11	2.09
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	11	2.09
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	11	2.09
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	11	2.09
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	11	2.09
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	11	2.09
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	11	2.09
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	11	2.09
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	11	2.09
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	11	2.09
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	11	2.09
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	11	2.09
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	11	2.09
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	11	2.09
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	11	2.09
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	11	2.09
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	11	2.09
(1,1249)	1:480:A:LEU:HA	1:480:A:LEU:HG	3	2.09
(1,1249)	1:480:A:LEU:HA	1:480:A:LEU:HG	20	2.09
(1,1228)	1:455:A:ASN:HA	1:456:A:PRO:HD3	14	2.09
(1,1032)	1:430:A:ASN:HB2	1:454:A:ASP:H	10	2.09
(1,1032)	1:430:A:ASN:HB3	1:454:A:ASP:H	10	2.09
(1,932)	1:421:A:ILE:HG21	1:422:A:LEU:H	10	2.09
(1,932)	1:421:A:ILE:HG22	1:422:A:LEU:H	10	2.09
(1,932)	1:421:A:ILE:HG23	1:422:A:LEU:H	10	2.09
(1,922)	1:455:A:ASN:HB3	1:458:A:SER:H	3	2.09
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	11	2.09
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	11	2.09
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	11	2.09
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	11	2.09
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	11	2.09
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	11	2.09
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	11	2.09
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	11	2.09
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	11	2.09
(1,837)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	5	2.09
(1,837)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	5	2.09
(1,837)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	5	2.09
(1,830)	1:450:A:PHE:HB2	1:451:A:VAL:H	10	2.09
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	17	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	17	2.09
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	17	2.09
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	17	2.09
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	17	2.09
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	17	2.09
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	17	2.09
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	17	2.09
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	17	2.09
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB1	17	2.09
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB2	17	2.09
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB3	17	2.09
(1,762)	1:457:A:VAL:HG11	1:458:A:SER:H	4	2.09
(1,762)	1:457:A:VAL:HG12	1:458:A:SER:H	4	2.09
(1,762)	1:457:A:VAL:HG13	1:458:A:SER:H	4	2.09
(1,762)	1:457:A:VAL:HG21	1:458:A:SER:H	4	2.09
(1,762)	1:457:A:VAL:HG22	1:458:A:SER:H	4	2.09
(1,762)	1:457:A:VAL:HG23	1:458:A:SER:H	4	2.09
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG11	9	2.09
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG12	9	2.09
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG13	9	2.09
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	11	2.09
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	11	2.09
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	11	2.09
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	11	2.09
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	11	2.09
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	11	2.09
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	11	2.09
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	11	2.09
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	11	2.09
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	11	2.09
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	11	2.09
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	11	2.09
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	11	2.09
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	11	2.09
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	11	2.09
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	11	2.09
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	11	2.09
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	11	2.09
(1,655)	1:474:A:LYS:H	1:474:A:LYS:HG3	13	2.09
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	11	2.09
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	11	2.09
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	11	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	11	2.09
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	11	2.09
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	11	2.09
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	11	2.09
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	11	2.09
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	11	2.09
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	11	2.09
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	11	2.09
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	11	2.09
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	11	2.09
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	11	2.09
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	11	2.09
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	11	2.09
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	11	2.09
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	11	2.09
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	9	2.09
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	9	2.09
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	9	2.09
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	9	2.09
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	9	2.09
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	9	2.09
(1,591)	1:448:A:PHE:HB2	1:449:A:GLY:H	17	2.09
(1,591)	1:448:A:PHE:HB3	1:449:A:GLY:H	17	2.09
(1,556)	1:424:A:MET:HB2	1:425:A:PHE:H	3	2.09
(1,556)	1:424:A:MET:HB3	1:425:A:PHE:H	3	2.09
(1,547)	1:404:A:GLY:H	1:405:A:ALA:H	12	2.09
(1,452)	1:459:A:ALA:H	1:460:A:GLN:H	15	2.09
(1,447)	1:419:A:GLN:H	1:419:A:GLN:HB3	3	2.09
(1,430)	1:464:A:GLN:H	1:465:A:ALA:H	9	2.09
(1,430)	1:464:A:GLN:H	1:465:A:ALA:H	15	2.09
(1,411)	1:440:A:LYS:H	1:441:A:GLN:H	1	2.09
(1,411)	1:440:A:LYS:H	1:441:A:GLN:H	2	2.09
(1,318)	1:473:A:MET:H	1:474:A:LYS:H	9	2.09
(1,268)	1:457:A:VAL:H	1:458:A:SER:H	2	2.09
(1,182)	1:422:A:LEU:H	1:422:A:LEU:HB2	17	2.09
(1,136)	1:421:A:ILE:HG21	1:422:A:LEU:H	10	2.09
(1,136)	1:421:A:ILE:HG22	1:422:A:LEU:H	10	2.09
(1,136)	1:421:A:ILE:HG23	1:422:A:LEU:H	10	2.09
(1,125)	1:468:A:GLY:H	1:469:A:PHE:H	10	2.09
(1,125)	1:468:A:GLY:H	1:469:A:PHE:H	20	2.09
(1,119)	1:473:A:MET:H	1:474:A:LYS:H	9	2.09
(1,117)	1:489:A:PRO:HG2	1:490:A:TYR:H	6	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,116)	1:490:A:TYR:H	1:490:A:TYR:HB2	18	2.09
(1,115)	1:490:A:TYR:H	1:490:A:TYR:HA	3	2.09
(1,99)	1:407:A:LEU:H	1:451:A:VAL:H	2	2.09
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG11	4	2.09
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG12	4	2.09
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG13	4	2.09
(1,53)	1:471:A:ILE:H	1:471:A:ILE:HB	12	2.09
(1,46)	1:439:A:ASP:H	1:439:A:ASP:HB2	18	2.09
(1,24)	1:426:A:MET:H	1:431:A:VAL:HA	19	2.09
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG2	13	2.08
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG3	13	2.08
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE1	9	2.08
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE2	9	2.08
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE3	9	2.08
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD1	5	2.08
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD2	5	2.08
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	3	2.08
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	3	2.08
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	3	2.08
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	3	2.08
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	3	2.08
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	3	2.08
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	3	2.08
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	3	2.08
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	3	2.08
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	3	2.08
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	3	2.08
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	3	2.08
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	3	2.08
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	3	2.08
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	3	2.08
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	3	2.08
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	3	2.08
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	3	2.08
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	19	2.08
(1,1372)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	19	2.08
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	19	2.08
(1,1372)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	19	2.08
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG11	13	2.08
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG12	13	2.08
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG13	13	2.08
(1,1324)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	7	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1324)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	7	2.08
(1,1324)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	7	2.08
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD11	4	2.08
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD12	4	2.08
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD13	4	2.08
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD21	4	2.08
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD22	4	2.08
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD23	4	2.08
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG2	13	2.08
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG3	13	2.08
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	19	2.08
(1,1252)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	19	2.08
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	19	2.08
(1,1252)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	19	2.08
(1,1249)	1:480:A:LEU:HA	1:480:A:LEU:HG	8	2.08
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	3	2.08
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	3	2.08
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	3	2.08
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	3	2.08
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	3	2.08
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	3	2.08
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	3	2.08
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	3	2.08
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	3	2.08
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	3	2.08
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	3	2.08
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	3	2.08
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	3	2.08
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	3	2.08
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	3	2.08
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	3	2.08
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	3	2.08
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	3	2.08
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG2	5	2.08
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG3	5	2.08
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG2	7	2.08
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG3	7	2.08
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG2	10	2.08
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG3	10	2.08
(1,1106)	1:478:A:VAL:H	1:478:A:VAL:HB	4	2.08
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD11	5	2.08
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD12	5	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD13	5	2.08
(1,948)	1:461:A:ALA:HB1	1:462:A:ALA:H	16	2.08
(1,948)	1:461:A:ALA:HB2	1:462:A:ALA:H	16	2.08
(1,948)	1:461:A:ALA:HB3	1:462:A:ALA:H	16	2.08
(1,932)	1:421:A:ILE:HG21	1:422:A:LEU:H	16	2.08
(1,932)	1:421:A:ILE:HG22	1:422:A:LEU:H	16	2.08
(1,932)	1:421:A:ILE:HG23	1:422:A:LEU:H	16	2.08
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB2	10	2.08
(1,876)	1:408:A:PHE:H	1:408:A:PHE:HB3	10	2.08
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	10	2.08
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	10	2.08
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	10	2.08
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	10	2.08
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	10	2.08
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	10	2.08
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	10	2.08
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	10	2.08
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	10	2.08
(1,851)	1:405:A:ALA:HB1	1:406:A:ASN:H	7	2.08
(1,851)	1:405:A:ALA:HB2	1:406:A:ASN:H	7	2.08
(1,851)	1:405:A:ALA:HB3	1:406:A:ASN:H	7	2.08
(1,837)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	7	2.08
(1,837)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	7	2.08
(1,837)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	7	2.08
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB1	9	2.08
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB2	9	2.08
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB3	9	2.08
(1,809)	1:434:A:ALA:HB1	1:435:A:LYS:H	20	2.08
(1,809)	1:434:A:ALA:HB2	1:435:A:LYS:H	20	2.08
(1,809)	1:434:A:ALA:HB3	1:435:A:LYS:H	20	2.08
(1,800)	1:465:A:ALA:HB1	1:466:A:MET:H	4	2.08
(1,800)	1:465:A:ALA:HB2	1:466:A:MET:H	4	2.08
(1,800)	1:465:A:ALA:HB3	1:466:A:MET:H	4	2.08
(1,788)	1:478:A:VAL:HG11	1:479:A:GLN:H	9	2.08
(1,788)	1:478:A:VAL:HG12	1:479:A:GLN:H	9	2.08
(1,788)	1:478:A:VAL:HG13	1:479:A:GLN:H	9	2.08
(1,762)	1:457:A:VAL:HG11	1:458:A:SER:H	1	2.08
(1,762)	1:457:A:VAL:HG12	1:458:A:SER:H	1	2.08
(1,762)	1:457:A:VAL:HG13	1:458:A:SER:H	1	2.08
(1,762)	1:457:A:VAL:HG21	1:458:A:SER:H	1	2.08
(1,762)	1:457:A:VAL:HG22	1:458:A:SER:H	1	2.08
(1,762)	1:457:A:VAL:HG23	1:458:A:SER:H	1	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,762)	1:457:A:VAL:HG11	1:458:A:SER:H	3	2.08
(1,762)	1:457:A:VAL:HG12	1:458:A:SER:H	3	2.08
(1,762)	1:457:A:VAL:HG13	1:458:A:SER:H	3	2.08
(1,762)	1:457:A:VAL:HG21	1:458:A:SER:H	3	2.08
(1,762)	1:457:A:VAL:HG22	1:458:A:SER:H	3	2.08
(1,762)	1:457:A:VAL:HG23	1:458:A:SER:H	3	2.08
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	19	2.08
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	19	2.08
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	19	2.08
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	19	2.08
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	19	2.08
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	19	2.08
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	19	2.08
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	19	2.08
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	19	2.08
(1,672)	1:444:A:LEU:H	1:444:A:LEU:HG	19	2.08
(1,532)	1:416:A:PHE:HA	1:417:A:GLY:H	5	2.08
(1,508)	1:453:A:TYR:HD1	1:455:A:ASN:H	9	2.08
(1,508)	1:453:A:TYR:HD2	1:455:A:ASN:H	9	2.08
(1,493)	1:413:A:PRO:HB2	1:415:A:GLU:H	14	2.08
(1,493)	1:413:A:PRO:HB3	1:415:A:GLU:H	14	2.08
(1,493)	1:413:A:PRO:HB2	1:415:A:GLU:H	15	2.08
(1,493)	1:413:A:PRO:HB3	1:415:A:GLU:H	15	2.08
(1,447)	1:419:A:GLN:H	1:419:A:GLN:HB3	1	2.08
(1,430)	1:464:A:GLN:H	1:465:A:ALA:H	1	2.08
(1,430)	1:464:A:GLN:H	1:465:A:ALA:H	19	2.08
(1,384)	1:444:A:LEU:H	1:444:A:LEU:HG	19	2.08
(1,371)	1:458:A:SER:H	1:458:A:SER:HB3	3	2.08
(1,333)	1:467:A:ASN:H	1:467:A:ASN:HB3	9	2.08
(1,300)	1:405:A:ALA:H	1:456:A:PRO:HD3	4	2.08
(1,257)	1:434:A:ALA:HB1	1:435:A:LYS:H	20	2.08
(1,257)	1:434:A:ALA:HB2	1:435:A:LYS:H	20	2.08
(1,257)	1:434:A:ALA:HB3	1:435:A:LYS:H	20	2.08
(1,224)	1:417:A:GLY:HA2	1:418:A:ASP:H	5	2.08
(1,222)	1:418:A:ASP:H	1:419:A:GLN:H	10	2.08
(1,218)	1:461:A:ALA:HB1	1:462:A:ALA:H	16	2.08
(1,218)	1:461:A:ALA:HB2	1:462:A:ALA:H	16	2.08
(1,218)	1:461:A:ALA:HB3	1:462:A:ALA:H	16	2.08
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD1	5	2.08
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD2	5	2.08
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD11	5	2.08
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD12	5	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD13	5	2.08
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD21	5	2.08
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD22	5	2.08
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD23	5	2.08
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD1	19	2.08
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD2	19	2.08
(1,136)	1:421:A:ILE:HG21	1:422:A:LEU:H	16	2.08
(1,136)	1:421:A:ILE:HG22	1:422:A:LEU:H	16	2.08
(1,136)	1:421:A:ILE:HG23	1:422:A:LEU:H	16	2.08
(1,130)	1:469:A:PHE:H	1:469:A:PHE:HB2	8	2.08
(1,116)	1:490:A:TYR:H	1:490:A:TYR:HB2	4	2.08
(1,116)	1:490:A:TYR:H	1:490:A:TYR:HB2	16	2.08
(1,115)	1:490:A:TYR:H	1:490:A:TYR:HA	1	2.08
(1,99)	1:407:A:LEU:H	1:451:A:VAL:H	14	2.08
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG11	10	2.08
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG12	10	2.08
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG13	10	2.08
(1,53)	1:471:A:ILE:H	1:471:A:ILE:HB	2	2.08
(1,37)	1:478:A:VAL:H	1:478:A:VAL:HB	4	2.08
(1,1589)	1:411:A:HIS:HA	1:411:A:HIS:HD2	7	2.07
(1,1589)	1:411:A:HIS:HA	1:411:A:HIS:HD2	10	2.07
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	12	2.07
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	12	2.07
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	12	2.07
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	12	2.07
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	12	2.07
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	12	2.07
(1,1532)	1:422:A:LEU:HA	1:422:A:LEU:HG	8	2.07
(1,1491)	1:407:A:LEU:HD11	1:459:A:ALA:HA	2	2.07
(1,1491)	1:407:A:LEU:HD12	1:459:A:ALA:HA	2	2.07
(1,1491)	1:407:A:LEU:HD13	1:459:A:ALA:HA	2	2.07
(1,1491)	1:407:A:LEU:HD21	1:459:A:ALA:HA	2	2.07
(1,1491)	1:407:A:LEU:HD22	1:459:A:ALA:HA	2	2.07
(1,1491)	1:407:A:LEU:HD23	1:459:A:ALA:HA	2	2.07
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG11	1	2.07
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG12	1	2.07
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG13	1	2.07
(1,1324)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	20	2.07
(1,1324)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	20	2.07
(1,1324)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	20	2.07
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG11	10	2.07
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG12	10	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG13	10	2.07
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	17	2.07
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	17	2.07
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	17	2.07
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD11	6	2.07
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD12	6	2.07
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD13	6	2.07
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD21	6	2.07
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD22	6	2.07
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD23	6	2.07
(1,1249)	1:480:A:LEU:HA	1:480:A:LEU:HG	15	2.07
(1,1164)	1:407:A:LEU:HD11	1:459:A:ALA:HA	2	2.07
(1,1164)	1:407:A:LEU:HD12	1:459:A:ALA:HA	2	2.07
(1,1164)	1:407:A:LEU:HD13	1:459:A:ALA:HA	2	2.07
(1,1164)	1:407:A:LEU:HD21	1:459:A:ALA:HA	2	2.07
(1,1164)	1:407:A:LEU:HD22	1:459:A:ALA:HA	2	2.07
(1,1164)	1:407:A:LEU:HD23	1:459:A:ALA:HA	2	2.07
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG2	10	2.07
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG3	10	2.07
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG2	18	2.07
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG3	18	2.07
(1,1110)	1:423:A:GLN:H	1:423:A:GLN:HG3	2	2.07
(1,1110)	1:423:A:GLN:H	1:423:A:GLN:HG3	20	2.07
(1,1106)	1:478:A:VAL:H	1:478:A:VAL:HB	11	2.07
(1,1103)	1:441:A:GLN:HA	1:441:A:GLN:HG3	17	2.07
(1,1081)	1:422:A:LEU:HD11	1:423:A:GLN:HA	11	2.07
(1,1081)	1:422:A:LEU:HD12	1:423:A:GLN:HA	11	2.07
(1,1081)	1:422:A:LEU:HD13	1:423:A:GLN:HA	11	2.07
(1,1081)	1:422:A:LEU:HD21	1:423:A:GLN:HA	11	2.07
(1,1081)	1:422:A:LEU:HD22	1:423:A:GLN:HA	11	2.07
(1,1081)	1:422:A:LEU:HD23	1:423:A:GLN:HA	11	2.07
(1,1055)	1:435:A:LYS:HB2	1:436:A:VAL:H	17	2.07
(1,1055)	1:435:A:LYS:HB3	1:436:A:VAL:H	17	2.07
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD11	13	2.07
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD12	13	2.07
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD13	13	2.07
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB1	16	2.07
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB2	16	2.07
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB3	16	2.07
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	19	2.07
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	19	2.07
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	19	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	19	2.07
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	19	2.07
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	19	2.07
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB1	18	2.07
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB2	18	2.07
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB3	18	2.07
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	16	2.07
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	16	2.07
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	15	2.07
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	15	2.07
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	15	2.07
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	15	2.07
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	15	2.07
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	15	2.07
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	15	2.07
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	15	2.07
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	15	2.07
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	17	2.07
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	17	2.07
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	17	2.07
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	17	2.07
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	17	2.07
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	17	2.07
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	17	2.07
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	17	2.07
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	17	2.07
(1,851)	1:405:A:ALA:HB1	1:406:A:ASN:H	2	2.07
(1,851)	1:405:A:ALA:HB2	1:406:A:ASN:H	2	2.07
(1,851)	1:405:A:ALA:HB3	1:406:A:ASN:H	2	2.07
(1,837)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	20	2.07
(1,837)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	20	2.07
(1,837)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	20	2.07
(1,809)	1:434:A:ALA:HB1	1:435:A:LYS:H	14	2.07
(1,809)	1:434:A:ALA:HB2	1:435:A:LYS:H	14	2.07
(1,809)	1:434:A:ALA:HB3	1:435:A:LYS:H	14	2.07
(1,762)	1:457:A:VAL:HG11	1:458:A:SER:H	6	2.07
(1,762)	1:457:A:VAL:HG12	1:458:A:SER:H	6	2.07
(1,762)	1:457:A:VAL:HG13	1:458:A:SER:H	6	2.07
(1,762)	1:457:A:VAL:HG21	1:458:A:SER:H	6	2.07
(1,762)	1:457:A:VAL:HG22	1:458:A:SER:H	6	2.07
(1,762)	1:457:A:VAL:HG23	1:458:A:SER:H	6	2.07
(1,700)	1:476:A:LEU:HD11	1:477:A:LYS:H	9	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,700)	1:476:A:LEU:HD12	1:477:A:LYS:H	9	2.07
(1,700)	1:476:A:LEU:HD13	1:477:A:LYS:H	9	2.07
(1,700)	1:476:A:LEU:HD21	1:477:A:LYS:H	9	2.07
(1,700)	1:476:A:LEU:HD22	1:477:A:LYS:H	9	2.07
(1,700)	1:476:A:LEU:HD23	1:477:A:LYS:H	9	2.07
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	16	2.07
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	16	2.07
(1,543)	1:454:A:ASP:H	1:454:A:ASP:HB2	1	2.07
(1,462)	1:423:A:GLN:H	1:424:A:MET:H	14	2.07
(1,447)	1:419:A:GLN:H	1:419:A:GLN:HB3	19	2.07
(1,436)	1:420:A:ASP:H	1:421:A:ILE:H	11	2.07
(1,430)	1:464:A:GLN:H	1:465:A:ALA:H	20	2.07
(1,419)	1:465:A:ALA:H	1:466:A:MET:H	9	2.07
(1,396)	1:429:A:GLY:HA3	1:430:A:ASN:H	18	2.07
(1,395)	1:429:A:GLY:HA2	1:430:A:ASN:H	17	2.07
(1,377)	1:443:A:ASN:H	1:444:A:LEU:H	18	2.07
(1,321)	1:433:A:SER:H	1:452:A:SER:H	11	2.07
(1,318)	1:473:A:MET:H	1:474:A:LYS:H	7	2.07
(1,288)	1:450:A:PHE:H	1:450:A:PHE:HB3	13	2.07
(1,257)	1:434:A:ALA:HB1	1:435:A:LYS:H	14	2.07
(1,257)	1:434:A:ALA:HB2	1:435:A:LYS:H	14	2.07
(1,257)	1:434:A:ALA:HB3	1:435:A:LYS:H	14	2.07
(1,253)	1:453:A:TYR:H	1:453:A:TYR:HB3	18	2.07
(1,232)	1:438:A:ILE:H	1:438:A:ILE:HB	7	2.07
(1,224)	1:417:A:GLY:HA2	1:418:A:ASP:H	4	2.07
(1,222)	1:418:A:ASP:H	1:419:A:GLN:H	11	2.07
(1,222)	1:418:A:ASP:H	1:419:A:GLN:H	14	2.07
(1,195)	1:435:A:LYS:HB2	1:436:A:VAL:H	17	2.07
(1,195)	1:435:A:LYS:HB3	1:436:A:VAL:H	17	2.07
(1,119)	1:473:A:MET:H	1:474:A:LYS:H	7	2.07
(1,113)	1:476:A:LEU:HD11	1:477:A:LYS:H	9	2.07
(1,113)	1:476:A:LEU:HD12	1:477:A:LYS:H	9	2.07
(1,113)	1:476:A:LEU:HD13	1:477:A:LYS:H	9	2.07
(1,113)	1:476:A:LEU:HD21	1:477:A:LYS:H	9	2.07
(1,113)	1:476:A:LEU:HD22	1:477:A:LYS:H	9	2.07
(1,113)	1:476:A:LEU:HD23	1:477:A:LYS:H	9	2.07
(1,37)	1:478:A:VAL:H	1:478:A:VAL:HB	11	2.07
(1,20)	1:425:A:PHE:H	1:426:A:MET:H	6	2.07
(1,20)	1:425:A:PHE:H	1:426:A:MET:H	19	2.07
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	4	2.06
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	4	2.06
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	4	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	4	2.06
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	4	2.06
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	4	2.06
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD1	3	2.06
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD2	3	2.06
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD1	3	2.06
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD2	3	2.06
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD1	10	2.06
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD2	10	2.06
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG2	6	2.06
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG3	6	2.06
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG21	7	2.06
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG22	7	2.06
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG23	7	2.06
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG21	7	2.06
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG22	7	2.06
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG23	7	2.06
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG2	18	2.06
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG3	18	2.06
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD2	19	2.06
(1,1470)	1:399:A:LYS:HB2	1:399:A:LYS:HD3	19	2.06
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD2	19	2.06
(1,1470)	1:399:A:LYS:HB3	1:399:A:LYS:HD3	19	2.06
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG21	18	2.06
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG22	18	2.06
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG23	18	2.06
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	10	2.06
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	10	2.06
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	10	2.06
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	4	2.06
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	4	2.06
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	4	2.06
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	4	2.06
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	4	2.06
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	4	2.06
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	4	2.06
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	4	2.06
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	4	2.06
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	4	2.06
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	4	2.06
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	4	2.06
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	4	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	4	2.06
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	4	2.06
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	4	2.06
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	4	2.06
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	4	2.06
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG11	17	2.06
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG12	17	2.06
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG13	17	2.06
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	8	2.06
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	8	2.06
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	8	2.06
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	8	2.06
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	8	2.06
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	8	2.06
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	8	2.06
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	8	2.06
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	8	2.06
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG2	18	2.06
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG3	18	2.06
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG2	17	2.06
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG3	17	2.06
(1,1249)	1:480:A:LEU:HA	1:480:A:LEU:HG	11	2.06
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD2	5	2.06
(1,1204)	1:440:A:LYS:HB2	1:440:A:LYS:HD3	5	2.06
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD2	5	2.06
(1,1204)	1:440:A:LYS:HB3	1:440:A:LYS:HD3	5	2.06
(1,1172)	1:457:A:VAL:H	1:457:A:VAL:HB	13	2.06
(1,1104)	1:441:A:GLN:HA	1:441:A:GLN:HG2	5	2.06
(1,1097)	1:441:A:GLN:HA	1:444:A:LEU:H	14	2.06
(1,1061)	1:409:A:ILE:HA	1:409:A:ILE:HG12	12	2.06
(1,1055)	1:435:A:LYS:HB2	1:436:A:VAL:H	10	2.06
(1,1055)	1:435:A:LYS:HB3	1:436:A:VAL:H	10	2.06
(1,1055)	1:435:A:LYS:HB2	1:436:A:VAL:H	15	2.06
(1,1055)	1:435:A:LYS:HB3	1:436:A:VAL:H	15	2.06
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	4	2.06
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	4	2.06
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	4	2.06
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	4	2.06
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	4	2.06
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	4	2.06
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG21	3	2.06
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG22	3	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG23	3	2.06
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	4	2.06
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	4	2.06
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	4	2.06
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	4	2.06
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	4	2.06
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	4	2.06
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	4	2.06
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	4	2.06
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	4	2.06
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	4	2.06
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	4	2.06
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	4	2.06
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	4	2.06
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	4	2.06
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	4	2.06
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	4	2.06
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	4	2.06
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	4	2.06
(1,896)	1:462:A:ALA:HB1	1:463:A:ILE:H	10	2.06
(1,896)	1:462:A:ALA:HB2	1:463:A:ILE:H	10	2.06
(1,896)	1:462:A:ALA:HB3	1:463:A:ILE:H	10	2.06
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG21	16	2.06
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG22	16	2.06
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG23	16	2.06
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	8	2.06
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	8	2.06
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	8	2.06
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	8	2.06
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	8	2.06
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	8	2.06
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	8	2.06
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	8	2.06
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	8	2.06
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB1	13	2.06
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB2	13	2.06
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB3	13	2.06
(1,762)	1:457:A:VAL:HG11	1:458:A:SER:H	20	2.06
(1,762)	1:457:A:VAL:HG12	1:458:A:SER:H	20	2.06
(1,762)	1:457:A:VAL:HG13	1:458:A:SER:H	20	2.06
(1,762)	1:457:A:VAL:HG21	1:458:A:SER:H	20	2.06
(1,762)	1:457:A:VAL:HG22	1:458:A:SER:H	20	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,762)	1:457:A:VAL:HG23	1:458:A:SER:H	20	2.06
(1,565)	1:410:A:TYR:HB2	1:411:A:HIS:H	18	2.06
(1,547)	1:404:A:GLY:H	1:405:A:ALA:H	3	2.06
(1,547)	1:404:A:GLY:H	1:405:A:ALA:H	11	2.06
(1,540)	1:454:A:ASP:H	1:454:A:ASP:HB3	2	2.06
(1,522)	1:432:A:ILE:HB	1:433:A:SER:H	18	2.06
(1,515)	1:455:A:ASN:HB3	1:455:A:ASN:HD21	8	2.06
(1,475)	1:445:A:SER:H	1:445:A:SER:HB3	7	2.06
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG21	3	2.06
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG22	3	2.06
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG23	3	2.06
(1,430)	1:464:A:GLN:H	1:465:A:ALA:H	17	2.06
(1,411)	1:440:A:LYS:H	1:441:A:GLN:H	20	2.06
(1,371)	1:458:A:SER:H	1:458:A:SER:HB3	5	2.06
(1,371)	1:458:A:SER:H	1:458:A:SER:HB3	7	2.06
(1,371)	1:458:A:SER:H	1:458:A:SER:HB3	14	2.06
(1,331)	1:466:A:MET:H	1:467:A:ASN:H	4	2.06
(1,331)	1:466:A:MET:H	1:467:A:ASN:H	9	2.06
(1,321)	1:433:A:SER:H	1:452:A:SER:H	5	2.06
(1,319)	1:474:A:LYS:H	1:474:A:LYS:HB2	20	2.06
(1,276)	1:458:A:SER:H	1:459:A:ALA:H	11	2.06
(1,273)	1:457:A:VAL:H	1:457:A:VAL:HB	13	2.06
(1,253)	1:453:A:TYR:H	1:453:A:TYR:HB3	7	2.06
(1,204)	1:416:A:PHE:H	1:416:A:PHE:HB3	11	2.06
(1,195)	1:435:A:LYS:HB2	1:436:A:VAL:H	10	2.06
(1,195)	1:435:A:LYS:HB3	1:436:A:VAL:H	10	2.06
(1,195)	1:435:A:LYS:HB2	1:436:A:VAL:H	15	2.06
(1,195)	1:435:A:LYS:HB3	1:436:A:VAL:H	15	2.06
(1,166)	1:463:A:ILE:HG21	1:480:A:LEU:H	10	2.06
(1,166)	1:463:A:ILE:HG22	1:480:A:LEU:H	10	2.06
(1,166)	1:463:A:ILE:HG23	1:480:A:LEU:H	10	2.06
(1,116)	1:490:A:TYR:H	1:490:A:TYR:HB2	7	2.06
(1,115)	1:490:A:TYR:H	1:490:A:TYR:HA	4	2.06
(1,115)	1:490:A:TYR:H	1:490:A:TYR:HA	6	2.06
(1,89)	1:481:A:LYS:H	1:481:A:LYS:HB2	17	2.06
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	1	2.05
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	1	2.05
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	1	2.05
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	1	2.05
(1,1590)	1:411:A:HIS:HB2	1:411:A:HIS:HD2	4	2.05
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD1	4	2.05
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD2	4	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD1	4	2.05
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD2	4	2.05
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD2	12	2.05
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD3	12	2.05
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG2	3	2.05
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG3	3	2.05
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG2	12	2.05
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG3	12	2.05
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG2	15	2.05
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG3	15	2.05
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB1	12	2.05
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB2	12	2.05
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB3	12	2.05
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB1	12	2.05
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB2	12	2.05
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB3	12	2.05
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB1	12	2.05
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB2	12	2.05
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB3	12	2.05
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB1	16	2.05
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB2	16	2.05
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB3	16	2.05
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB1	16	2.05
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB2	16	2.05
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB3	16	2.05
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB1	16	2.05
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB2	16	2.05
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB3	16	2.05
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	19	2.05
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	19	2.05
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	19	2.05
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG2	3	2.05
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG3	3	2.05
(1,1206)	1:421:A:ILE:HB	1:421:A:ILE:HG12	11	2.05
(1,1136)	1:456:A:PRO:HB2	1:457:A:VAL:H	2	2.05
(1,1106)	1:478:A:VAL:H	1:478:A:VAL:HB	2	2.05
(1,1106)	1:478:A:VAL:H	1:478:A:VAL:HB	9	2.05
(1,1106)	1:478:A:VAL:H	1:478:A:VAL:HB	19	2.05
(1,1097)	1:441:A:GLN:HA	1:444:A:LEU:H	17	2.05
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	20	2.05
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	20	2.05
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	20	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	20	2.05
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	20	2.05
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	20	2.05
(1,1023)	1:421:A:ILE:HB	1:422:A:LEU:H	1	2.05
(1,1023)	1:421:A:ILE:HB	1:422:A:LEU:H	4	2.05
(1,1013)	1:463:A:ILE:HB	1:464:A:GLN:H	11	2.05
(1,997)	1:485:A:ASN:HB2	1:486:A:ASP:H	19	2.05
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG21	14	2.05
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG22	14	2.05
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG23	14	2.05
(1,932)	1:421:A:ILE:HG21	1:422:A:LEU:H	14	2.05
(1,932)	1:421:A:ILE:HG22	1:422:A:LEU:H	14	2.05
(1,932)	1:421:A:ILE:HG23	1:422:A:LEU:H	14	2.05
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	6	2.05
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	6	2.05
(1,880)	1:480:A:LEU:HB2	1:481:A:LYS:H	12	2.05
(1,880)	1:480:A:LEU:HB3	1:481:A:LYS:H	12	2.05
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG21	14	2.05
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG22	14	2.05
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG23	14	2.05
(1,857)	1:409:A:ILE:HG21	1:410:A:TYR:H	20	2.05
(1,857)	1:409:A:ILE:HG22	1:410:A:TYR:H	20	2.05
(1,857)	1:409:A:ILE:HG23	1:410:A:TYR:H	20	2.05
(1,851)	1:405:A:ALA:HB1	1:406:A:ASN:H	16	2.05
(1,851)	1:405:A:ALA:HB2	1:406:A:ASN:H	16	2.05
(1,851)	1:405:A:ALA:HB3	1:406:A:ASN:H	16	2.05
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG2	2	2.05
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG3	2	2.05
(1,679)	1:477:A:LYS:HG2	1:478:A:VAL:H	12	2.05
(1,679)	1:477:A:LYS:HG3	1:478:A:VAL:H	12	2.05
(1,642)	1:439:A:ASP:HB3	1:444:A:LEU:HG	4	2.05
(1,640)	1:466:A:MET:HG2	1:476:A:LEU:HG	19	2.05
(1,640)	1:466:A:MET:HG3	1:476:A:LEU:HG	19	2.05
(1,543)	1:454:A:ASP:H	1:454:A:ASP:HB2	9	2.05
(1,495)	1:415:A:GLU:H	1:415:A:GLU:HB3	15	2.05
(1,493)	1:413:A:PRO:HB2	1:415:A:GLU:H	10	2.05
(1,493)	1:413:A:PRO:HB3	1:415:A:GLU:H	10	2.05
(1,452)	1:459:A:ALA:H	1:460:A:GLN:H	13	2.05
(1,432)	1:463:A:ILE:HB	1:464:A:GLN:H	11	2.05
(1,430)	1:464:A:GLN:H	1:465:A:ALA:H	2	2.05
(1,416)	1:440:A:LYS:HB2	1:441:A:GLN:H	17	2.05
(1,416)	1:440:A:LYS:HB3	1:441:A:GLN:H	17	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,411)	1:440:A:LYS:H	1:441:A:GLN:H	14	2.05
(1,370)	1:482:A:ARG:HB2	1:483:A:SER:H	14	2.05
(1,321)	1:433:A:SER:H	1:452:A:SER:H	12	2.05
(1,319)	1:474:A:LYS:H	1:474:A:LYS:HB2	19	2.05
(1,274)	1:456:A:PRO:HB2	1:457:A:VAL:H	2	2.05
(1,252)	1:402:A:PRO:HD2	1:453:A:TYR:H	14	2.05
(1,237)	1:400:A:GLU:H	1:400:A:GLU:HG3	8	2.05
(1,232)	1:438:A:ILE:H	1:438:A:ILE:HB	4	2.05
(1,224)	1:417:A:GLY:HA2	1:418:A:ASP:H	3	2.05
(1,173)	1:399:A:LYS:H	1:399:A:LYS:HA	1	2.05
(1,173)	1:399:A:LYS:H	1:399:A:LYS:HA	16	2.05
(1,170)	1:483:A:SER:HB2	1:484:A:LYS:H	2	2.05
(1,170)	1:483:A:SER:HB3	1:484:A:LYS:H	2	2.05
(1,136)	1:421:A:ILE:HG21	1:422:A:LEU:H	14	2.05
(1,136)	1:421:A:ILE:HG22	1:422:A:LEU:H	14	2.05
(1,136)	1:421:A:ILE:HG23	1:422:A:LEU:H	14	2.05
(1,130)	1:469:A:PHE:H	1:469:A:PHE:HB2	9	2.05
(1,130)	1:469:A:PHE:H	1:469:A:PHE:HB2	20	2.05
(1,121)	1:473:A:MET:H	1:473:A:MET:HG2	16	2.05
(1,115)	1:490:A:TYR:H	1:490:A:TYR:HA	15	2.05
(1,89)	1:481:A:LYS:H	1:481:A:LYS:HB2	2	2.05
(1,75)	1:446:A:LYS:H	1:447:A:CYS:H	16	2.05
(1,37)	1:478:A:VAL:H	1:478:A:VAL:HB	2	2.05
(1,37)	1:478:A:VAL:H	1:478:A:VAL:HB	9	2.05
(1,37)	1:478:A:VAL:H	1:478:A:VAL:HB	19	2.05
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD1	7	2.04
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD2	7	2.04
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD1	7	2.04
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD2	7	2.04
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD2	15	2.04
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD3	15	2.04
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD2	15	2.04
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD3	15	2.04
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG21	1	2.04
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG22	1	2.04
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG23	1	2.04
(1,1342)	1:405:A:ALA:HB1	1:453:A:TYR:HB3	10	2.04
(1,1342)	1:405:A:ALA:HB2	1:453:A:TYR:HB3	10	2.04
(1,1342)	1:405:A:ALA:HB3	1:453:A:TYR:HB3	10	2.04
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	19	2.04
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	19	2.04
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	19	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	19	2.04
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	19	2.04
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	19	2.04
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	19	2.04
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	19	2.04
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	19	2.04
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	19	2.04
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	19	2.04
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	19	2.04
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	19	2.04
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	19	2.04
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	19	2.04
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	19	2.04
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	19	2.04
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	19	2.04
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD11	13	2.04
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD12	13	2.04
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD13	13	2.04
(1,948)	1:461:A:ALA:HB1	1:462:A:ALA:H	4	2.04
(1,948)	1:461:A:ALA:HB2	1:462:A:ALA:H	4	2.04
(1,948)	1:461:A:ALA:HB3	1:462:A:ALA:H	4	2.04
(1,896)	1:462:A:ALA:HB1	1:463:A:ILE:H	18	2.04
(1,896)	1:462:A:ALA:HB2	1:463:A:ILE:H	18	2.04
(1,896)	1:462:A:ALA:HB3	1:463:A:ILE:H	18	2.04
(1,887)	1:433:A:SER:HB3	1:434:A:ALA:H	3	2.04
(1,857)	1:409:A:ILE:HG21	1:410:A:TYR:H	7	2.04
(1,857)	1:409:A:ILE:HG22	1:410:A:TYR:H	7	2.04
(1,857)	1:409:A:ILE:HG23	1:410:A:TYR:H	7	2.04
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	13	2.04
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	13	2.04
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	13	2.04
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	13	2.04
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	13	2.04
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	13	2.04
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	13	2.04
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	13	2.04
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	13	2.04
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	17	2.04
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	17	2.04
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	17	2.04
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	17	2.04
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	17	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	17	2.04
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	17	2.04
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	17	2.04
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	17	2.04
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	17	2.04
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	17	2.04
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	17	2.04
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	17	2.04
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	17	2.04
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	17	2.04
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	17	2.04
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	17	2.04
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	17	2.04
(1,800)	1:465:A:ALA:HB1	1:466:A:MET:H	8	2.04
(1,800)	1:465:A:ALA:HB2	1:466:A:MET:H	8	2.04
(1,800)	1:465:A:ALA:HB3	1:466:A:MET:H	8	2.04
(1,762)	1:457:A:VAL:HG11	1:458:A:SER:H	7	2.04
(1,762)	1:457:A:VAL:HG12	1:458:A:SER:H	7	2.04
(1,762)	1:457:A:VAL:HG13	1:458:A:SER:H	7	2.04
(1,762)	1:457:A:VAL:HG21	1:458:A:SER:H	7	2.04
(1,762)	1:457:A:VAL:HG22	1:458:A:SER:H	7	2.04
(1,762)	1:457:A:VAL:HG23	1:458:A:SER:H	7	2.04
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG11	10	2.04
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG12	10	2.04
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG13	10	2.04
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG2	6	2.04
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG3	6	2.04
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	17	2.04
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	17	2.04
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	17	2.04
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	17	2.04
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	17	2.04
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	17	2.04
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	17	2.04
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	17	2.04
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	17	2.04
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	17	2.04
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	17	2.04
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	17	2.04
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	17	2.04
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	17	2.04
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	17	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	17	2.04
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	17	2.04
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	17	2.04
(1,640)	1:466:A:MET:HG2	1:476:A:LEU:HG	16	2.04
(1,640)	1:466:A:MET:HG3	1:476:A:LEU:HG	16	2.04
(1,640)	1:466:A:MET:HG2	1:476:A:LEU:HG	17	2.04
(1,640)	1:466:A:MET:HG3	1:476:A:LEU:HG	17	2.04
(1,543)	1:454:A:ASP:H	1:454:A:ASP:HB2	17	2.04
(1,522)	1:432:A:ILE:HB	1:433:A:SER:H	12	2.04
(1,512)	1:454:A:ASP:HB3	1:455:A:ASN:H	5	2.04
(1,486)	1:406:A:ASN:H	1:406:A:ASN:HB2	18	2.04
(1,475)	1:445:A:SER:H	1:445:A:SER:HB3	8	2.04
(1,475)	1:445:A:SER:H	1:445:A:SER:HB3	16	2.04
(1,463)	1:420:A:ASP:HA	1:423:A:GLN:H	18	2.04
(1,452)	1:459:A:ALA:H	1:460:A:GLN:H	10	2.04
(1,419)	1:465:A:ALA:H	1:466:A:MET:H	19	2.04
(1,413)	1:441:A:GLN:H	1:442:A:THR:H	15	2.04
(1,382)	1:444:A:LEU:H	1:444:A:LEU:HB3	7	2.04
(1,371)	1:458:A:SER:H	1:458:A:SER:HB3	18	2.04
(1,321)	1:433:A:SER:H	1:452:A:SER:H	10	2.04
(1,319)	1:474:A:LYS:H	1:474:A:LYS:HB2	17	2.04
(1,252)	1:402:A:PRO:HD2	1:453:A:TYR:H	18	2.04
(1,232)	1:438:A:ILE:H	1:438:A:ILE:HB	5	2.04
(1,218)	1:461:A:ALA:HB1	1:462:A:ALA:H	4	2.04
(1,218)	1:461:A:ALA:HB2	1:462:A:ALA:H	4	2.04
(1,218)	1:461:A:ALA:HB3	1:462:A:ALA:H	4	2.04
(1,170)	1:483:A:SER:HB2	1:484:A:LYS:H	9	2.04
(1,170)	1:483:A:SER:HB3	1:484:A:LYS:H	9	2.04
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD1	17	2.04
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD2	17	2.04
(1,103)	1:407:A:LEU:HG	1:479:A:GLN:H	9	2.04
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG11	3	2.04
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG12	3	2.04
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG13	3	2.04
(1,75)	1:446:A:LYS:H	1:447:A:CYS:H	17	2.04
(1,24)	1:426:A:MET:H	1:431:A:VAL:HA	2	2.04
(1,24)	1:426:A:MET:H	1:431:A:VAL:HA	8	2.04
(1,20)	1:425:A:PHE:H	1:426:A:MET:H	16	2.04
(1,17)	1:431:A:VAL:HG21	1:432:A:ILE:H	17	2.04
(1,17)	1:431:A:VAL:HG22	1:432:A:ILE:H	17	2.04
(1,17)	1:431:A:VAL:HG23	1:432:A:ILE:H	17	2.04
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG2	5	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG3	5	2.03
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG21	10	2.03
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG22	10	2.03
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG23	10	2.03
(1,1324)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	17	2.03
(1,1324)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	17	2.03
(1,1324)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	17	2.03
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB1	12	2.03
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB2	12	2.03
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB3	12	2.03
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB1	12	2.03
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB2	12	2.03
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB3	12	2.03
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB1	12	2.03
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB2	12	2.03
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB3	12	2.03
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB1	12	2.03
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB2	12	2.03
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB3	12	2.03
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB1	12	2.03
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB2	12	2.03
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB3	12	2.03
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB1	12	2.03
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB2	12	2.03
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB3	12	2.03
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG2	16	2.03
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG3	16	2.03
(1,1110)	1:423:A:GLN:H	1:423:A:GLN:HG3	7	2.03
(1,1110)	1:423:A:GLN:H	1:423:A:GLN:HG3	8	2.03
(1,1106)	1:478:A:VAL:H	1:478:A:VAL:HB	8	2.03
(1,1106)	1:478:A:VAL:H	1:478:A:VAL:HB	20	2.03
(1,1103)	1:441:A:GLN:HA	1:441:A:GLN:HG3	16	2.03
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG21	16	2.03
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG22	16	2.03
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG23	16	2.03
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG2	5	2.03
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG3	5	2.03
(1,1053)	1:400:A:GLU:H	1:400:A:GLU:HG2	4	2.03
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	13	2.03
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	13	2.03
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	13	2.03
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	13	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	13	2.03
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	13	2.03
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	13	2.03
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	13	2.03
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	13	2.03
(1,1032)	1:430:A:ASN:HB2	1:454:A:ASP:H	17	2.03
(1,1032)	1:430:A:ASN:HB3	1:454:A:ASP:H	17	2.03
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG21	1	2.03
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG22	1	2.03
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG23	1	2.03
(1,940)	1:486:A:ASP:H	1:486:A:ASP:HB2	20	2.03
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	11	2.03
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	11	2.03
(1,880)	1:480:A:LEU:HB2	1:481:A:LYS:H	13	2.03
(1,880)	1:480:A:LEU:HB3	1:481:A:LYS:H	13	2.03
(1,880)	1:480:A:LEU:HB2	1:481:A:LYS:H	14	2.03
(1,880)	1:480:A:LEU:HB3	1:481:A:LYS:H	14	2.03
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG21	1	2.03
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG22	1	2.03
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG23	1	2.03
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	1	2.03
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	1	2.03
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	1	2.03
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	1	2.03
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	1	2.03
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	1	2.03
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	1	2.03
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	1	2.03
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	1	2.03
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	20	2.03
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	20	2.03
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	20	2.03
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	20	2.03
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	20	2.03
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	20	2.03
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	20	2.03
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	20	2.03
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	20	2.03
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	17	2.03
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	17	2.03
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	17	2.03
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	17	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	17	2.03
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	17	2.03
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	17	2.03
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	17	2.03
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	17	2.03
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	10	2.03
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	10	2.03
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	10	2.03
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	10	2.03
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	10	2.03
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	10	2.03
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	10	2.03
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	10	2.03
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	10	2.03
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	10	2.03
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	10	2.03
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	10	2.03
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	10	2.03
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	10	2.03
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	10	2.03
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	10	2.03
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	10	2.03
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	10	2.03
(1,837)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	17	2.03
(1,837)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	17	2.03
(1,837)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	17	2.03
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	13	2.03
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	13	2.03
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	13	2.03
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	13	2.03
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	13	2.03
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	13	2.03
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	13	2.03
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	13	2.03
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	13	2.03
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG2	16	2.03
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG3	16	2.03
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	10	2.03
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	10	2.03
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	10	2.03
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	10	2.03
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	10	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	10	2.03
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	10	2.03
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	10	2.03
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	10	2.03
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	10	2.03
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	10	2.03
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	10	2.03
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	10	2.03
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	10	2.03
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	10	2.03
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	10	2.03
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	10	2.03
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	10	2.03
(1,547)	1:404:A:GLY:H	1:405:A:ALA:H	6	2.03
(1,547)	1:404:A:GLY:H	1:405:A:ALA:H	19	2.03
(1,532)	1:416:A:PHE:HA	1:417:A:GLY:H	18	2.03
(1,522)	1:432:A:ILE:HB	1:433:A:SER:H	1	2.03
(1,512)	1:454:A:ASP:HB3	1:455:A:ASN:H	10	2.03
(1,508)	1:453:A:TYR:HD1	1:455:A:ASN:H	17	2.03
(1,508)	1:453:A:TYR:HD2	1:455:A:ASN:H	17	2.03
(1,502)	1:411:A:HIS:H	1:412:A:LEU:H	12	2.03
(1,430)	1:464:A:GLN:H	1:465:A:ALA:H	6	2.03
(1,414)	1:441:A:GLN:H	1:441:A:GLN:HG3	3	2.03
(1,413)	1:441:A:GLN:H	1:442:A:THR:H	4	2.03
(1,411)	1:440:A:LYS:H	1:441:A:GLN:H	3	2.03
(1,411)	1:440:A:LYS:H	1:441:A:GLN:H	8	2.03
(1,360)	1:463:A:ILE:H	1:463:A:ILE:HB	8	2.03
(1,312)	1:474:A:LYS:HB3	1:475:A:ARG:H	1	2.03
(1,300)	1:405:A:ALA:H	1:456:A:PRO:HD3	15	2.03
(1,262)	1:486:A:ASP:H	1:486:A:ASP:HB2	20	2.03
(1,239)	1:400:A:GLU:H	1:400:A:GLU:HG2	4	2.03
(1,238)	1:400:A:GLU:H	1:400:A:GLU:HB3	15	2.03
(1,237)	1:400:A:GLU:H	1:400:A:GLU:HG3	18	2.03
(1,232)	1:438:A:ILE:H	1:438:A:ILE:HB	11	2.03
(1,222)	1:418:A:ASP:H	1:419:A:GLN:H	9	2.03
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD1	19	2.03
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD2	19	2.03
(1,173)	1:399:A:LYS:H	1:399:A:LYS:HA	12	2.03
(1,173)	1:399:A:LYS:H	1:399:A:LYS:HA	13	2.03
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD1	9	2.03
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD2	9	2.03
(1,115)	1:490:A:TYR:H	1:490:A:TYR:HA	10	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:407:A:LEU:H	1:451:A:VAL:H	4	2.03
(1,99)	1:407:A:LEU:H	1:451:A:VAL:H	13	2.03
(1,75)	1:446:A:LYS:H	1:447:A:CYS:H	2	2.03
(1,62)	1:435:A:LYS:HE2	1:437:A:PHE:H	11	2.03
(1,62)	1:435:A:LYS:HE3	1:437:A:PHE:H	11	2.03
(1,41)	1:467:A:ASN:HA	1:478:A:VAL:H	9	2.03
(1,37)	1:478:A:VAL:H	1:478:A:VAL:HB	8	2.03
(1,37)	1:478:A:VAL:H	1:478:A:VAL:HB	20	2.03
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG2	17	2.03
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG3	17	2.03
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD1	8	2.02
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD2	8	2.02
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD1	2	2.02
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD2	2	2.02
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD1	7	2.02
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD2	7	2.02
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD1	16	2.02
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD2	16	2.02
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD1	17	2.02
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD2	17	2.02
(1,1506)	1:426:A:MET:HE1	1:430:A:ASN:HA	1	2.02
(1,1506)	1:426:A:MET:HE2	1:430:A:ASN:HA	1	2.02
(1,1506)	1:426:A:MET:HE3	1:430:A:ASN:HA	1	2.02
(1,1506)	1:426:A:MET:HE1	1:430:A:ASN:HA	18	2.02
(1,1506)	1:426:A:MET:HE2	1:430:A:ASN:HA	18	2.02
(1,1506)	1:426:A:MET:HE3	1:430:A:ASN:HA	18	2.02
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD1	13	2.02
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD2	13	2.02
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	18	2.02
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	18	2.02
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	18	2.02
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	18	2.02
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	18	2.02
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	18	2.02
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	18	2.02
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	18	2.02
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	18	2.02
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	18	2.02
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	18	2.02
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	18	2.02
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	18	2.02
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	18	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	18	2.02
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	18	2.02
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	18	2.02
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	18	2.02
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB1	2	2.02
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB2	2	2.02
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB3	2	2.02
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD11	2	2.02
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD12	2	2.02
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD13	2	2.02
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD21	2	2.02
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD22	2	2.02
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD23	2	2.02
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	18	2.02
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	18	2.02
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	18	2.02
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	18	2.02
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	18	2.02
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	18	2.02
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	18	2.02
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	18	2.02
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	18	2.02
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	18	2.02
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	18	2.02
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	18	2.02
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	18	2.02
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	18	2.02
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	18	2.02
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	18	2.02
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	18	2.02
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	18	2.02
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB2	5	2.02
(1,1199)	1:398:A:GLN:H	1:398:A:GLN:HB3	5	2.02
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG2	12	2.02
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG3	12	2.02
(1,1110)	1:423:A:GLN:H	1:423:A:GLN:HG3	18	2.02
(1,1055)	1:435:A:LYS:HB2	1:436:A:VAL:H	16	2.02
(1,1055)	1:435:A:LYS:HB3	1:436:A:VAL:H	16	2.02
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG21	12	2.02
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG22	12	2.02
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG23	12	2.02
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	4	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	4	2.02
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	5	2.02
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	5	2.02
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	5	2.02
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	5	2.02
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	5	2.02
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	5	2.02
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	5	2.02
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	5	2.02
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	5	2.02
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB1	4	2.02
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB2	4	2.02
(1,811)	1:434:A:ALA:H	1:434:A:ALA:HB3	4	2.02
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	4	2.02
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	4	2.02
(1,659)	1:480:A:LEU:HG	1:481:A:LYS:H	14	2.02
(1,640)	1:466:A:MET:HG2	1:476:A:LEU:HG	2	2.02
(1,640)	1:466:A:MET:HG3	1:476:A:LEU:HG	2	2.02
(1,556)	1:424:A:MET:HB2	1:425:A:PHE:H	4	2.02
(1,556)	1:424:A:MET:HB3	1:425:A:PHE:H	4	2.02
(1,543)	1:454:A:ASP:H	1:454:A:ASP:HB2	7	2.02
(1,515)	1:455:A:ASN:HB3	1:455:A:ASN:HD21	13	2.02
(1,493)	1:413:A:PRO:HB2	1:415:A:GLU:H	3	2.02
(1,493)	1:413:A:PRO:HB3	1:415:A:GLU:H	3	2.02
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD11	4	2.02
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD12	4	2.02
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD13	4	2.02
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD21	4	2.02
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD22	4	2.02
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD23	4	2.02
(1,452)	1:459:A:ALA:H	1:460:A:GLN:H	5	2.02
(1,429)	1:463:A:ILE:H	1:464:A:GLN:H	13	2.02
(1,378)	1:443:A:ASN:HA	1:444:A:LEU:H	7	2.02
(1,371)	1:458:A:SER:H	1:458:A:SER:HB3	10	2.02
(1,276)	1:458:A:SER:H	1:459:A:ALA:H	15	2.02
(1,264)	1:409:A:ILE:H	1:450:A:PHE:HA	14	2.02
(1,253)	1:453:A:TYR:H	1:453:A:TYR:HB3	14	2.02
(1,252)	1:402:A:PRO:HD2	1:453:A:TYR:H	2	2.02
(1,238)	1:400:A:GLU:H	1:400:A:GLU:HB3	7	2.02
(1,237)	1:400:A:GLU:H	1:400:A:GLU:HG3	5	2.02
(1,224)	1:417:A:GLY:HA2	1:418:A:ASP:H	20	2.02
(1,222)	1:418:A:ASP:H	1:419:A:GLN:H	17	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,195)	1:435:A:LYS:HB2	1:436:A:VAL:H	16	2.02
(1,195)	1:435:A:LYS:HB3	1:436:A:VAL:H	16	2.02
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB2	5	2.02
(1,194)	1:398:A:GLN:H	1:398:A:GLN:HB3	5	2.02
(1,182)	1:422:A:LEU:H	1:422:A:LEU:HB2	7	2.02
(1,173)	1:399:A:LYS:H	1:399:A:LYS:HA	5	2.02
(1,173)	1:399:A:LYS:H	1:399:A:LYS:HA	6	2.02
(1,173)	1:399:A:LYS:H	1:399:A:LYS:HA	9	2.02
(1,130)	1:469:A:PHE:H	1:469:A:PHE:HB2	13	2.02
(1,116)	1:490:A:TYR:H	1:490:A:TYR:HB2	5	2.02
(1,115)	1:490:A:TYR:H	1:490:A:TYR:HA	7	2.02
(1,115)	1:490:A:TYR:H	1:490:A:TYR:HA	18	2.02
(1,1591)	1:411:A:HIS:HB3	1:411:A:HIS:HD2	6	2.01
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	12	2.01
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	12	2.01
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	12	2.01
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	12	2.01
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	12	2.01
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	12	2.01
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD1	14	2.01
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD2	14	2.01
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD2	13	2.01
(1,1517)	1:474:A:LYS:HB3	1:474:A:LYS:HD3	13	2.01
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD2	16	2.01
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD3	16	2.01
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG2	17	2.01
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG3	17	2.01
(1,1460)	1:423:A:GLN:HA	1:423:A:GLN:HG3	6	2.01
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	5	2.01
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	5	2.01
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	5	2.01
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	5	2.01
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	5	2.01
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	5	2.01
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	20	2.01
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	20	2.01
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	20	2.01
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	20	2.01
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	20	2.01
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	20	2.01
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	20	2.01
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	20	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	20	2.01
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG21	6	2.01
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG22	6	2.01
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG23	6	2.01
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	17	2.01
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	17	2.01
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	17	2.01
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	12	2.01
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	12	2.01
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	12	2.01
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	12	2.01
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	12	2.01
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	12	2.01
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	12	2.01
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	12	2.01
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	12	2.01
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	12	2.01
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	12	2.01
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	12	2.01
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	12	2.01
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	12	2.01
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	12	2.01
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	12	2.01
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	12	2.01
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	12	2.01
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG11	5	2.01
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG12	5	2.01
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG13	5	2.01
(1,1324)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	18	2.01
(1,1324)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	18	2.01
(1,1324)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	18	2.01
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	20	2.01
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	20	2.01
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	20	2.01
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	20	2.01
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	20	2.01
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	20	2.01
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	20	2.01
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	20	2.01
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	20	2.01
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG2	17	2.01
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG3	17	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1253)	1:444:A:LEU:HA	1:444:A:LEU:HG	3	2.01
(1,1249)	1:480:A:LEU:HA	1:480:A:LEU:HG	5	2.01
(1,1172)	1:457:A:VAL:H	1:457:A:VAL:HB	14	2.01
(1,1121)	1:410:A:TYR:HA	1:449:A:GLY:H	19	2.01
(1,1112)	1:423:A:GLN:HA	1:423:A:GLN:HG3	6	2.01
(1,1106)	1:478:A:VAL:H	1:478:A:VAL:HB	3	2.01
(1,1103)	1:441:A:GLN:HA	1:441:A:GLN:HG3	11	2.01
(1,1055)	1:435:A:LYS:HB2	1:436:A:VAL:H	7	2.01
(1,1055)	1:435:A:LYS:HB3	1:436:A:VAL:H	7	2.01
(1,1055)	1:435:A:LYS:HB2	1:436:A:VAL:H	13	2.01
(1,1055)	1:435:A:LYS:HB3	1:436:A:VAL:H	13	2.01
(1,1055)	1:435:A:LYS:HB2	1:436:A:VAL:H	19	2.01
(1,1055)	1:435:A:LYS:HB3	1:436:A:VAL:H	19	2.01
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD11	13	2.01
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD12	13	2.01
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD13	13	2.01
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	12	2.01
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	12	2.01
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	12	2.01
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	12	2.01
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	12	2.01
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	12	2.01
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	12	2.01
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	12	2.01
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	12	2.01
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	12	2.01
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	12	2.01
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	12	2.01
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	12	2.01
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	12	2.01
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	12	2.01
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	12	2.01
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	12	2.01
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	12	2.01
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	12	2.01
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	12	2.01
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	12	2.01
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	12	2.01
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	12	2.01
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	12	2.01
(1,880)	1:480:A:LEU:HB2	1:481:A:LYS:H	8	2.01
(1,880)	1:480:A:LEU:HB3	1:481:A:LYS:H	8	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:409:A:ILE:HG21	1:410:A:TYR:H	4	2.01
(1,857)	1:409:A:ILE:HG22	1:410:A:TYR:H	4	2.01
(1,857)	1:409:A:ILE:HG23	1:410:A:TYR:H	4	2.01
(1,837)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	18	2.01
(1,837)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	18	2.01
(1,837)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	18	2.01
(1,836)	1:444:A:LEU:HB3	1:445:A:SER:H	2	2.01
(1,762)	1:457:A:VAL:HG11	1:458:A:SER:H	11	2.01
(1,762)	1:457:A:VAL:HG12	1:458:A:SER:H	11	2.01
(1,762)	1:457:A:VAL:HG13	1:458:A:SER:H	11	2.01
(1,762)	1:457:A:VAL:HG21	1:458:A:SER:H	11	2.01
(1,762)	1:457:A:VAL:HG22	1:458:A:SER:H	11	2.01
(1,762)	1:457:A:VAL:HG23	1:458:A:SER:H	11	2.01
(1,640)	1:466:A:MET:HG2	1:476:A:LEU:HG	9	2.01
(1,640)	1:466:A:MET:HG3	1:476:A:LEU:HG	9	2.01
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	8	2.01
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	8	2.01
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	8	2.01
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	8	2.01
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	8	2.01
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	8	2.01
(1,599)	1:428:A:PHE:H	1:429:A:GLY:H	14	2.01
(1,590)	1:410:A:TYR:HA	1:449:A:GLY:H	19	2.01
(1,515)	1:455:A:ASN:HB3	1:455:A:ASN:HD21	7	2.01
(1,504)	1:409:A:ILE:HA	1:412:A:LEU:H	12	2.01
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD11	6	2.01
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD12	6	2.01
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD13	6	2.01
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD21	6	2.01
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD22	6	2.01
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD23	6	2.01
(1,477)	1:444:A:LEU:HB3	1:445:A:SER:H	2	2.01
(1,452)	1:459:A:ALA:H	1:460:A:GLN:H	17	2.01
(1,444)	1:419:A:GLN:H	1:420:A:ASP:H	12	2.01
(1,396)	1:429:A:GLY:HA3	1:430:A:ASN:H	7	2.01
(1,395)	1:429:A:GLY:HA2	1:430:A:ASN:H	8	2.01
(1,348)	1:408:A:PHE:H	1:408:A:PHE:HB3	5	2.01
(1,348)	1:408:A:PHE:H	1:408:A:PHE:HB3	15	2.01
(1,319)	1:474:A:LYS:H	1:474:A:LYS:HB2	14	2.01
(1,273)	1:457:A:VAL:H	1:457:A:VAL:HB	14	2.01
(1,264)	1:409:A:ILE:H	1:450:A:PHE:HA	9	2.01
(1,224)	1:417:A:GLY:HA2	1:418:A:ASP:H	16	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,224)	1:417:A:GLY:HA2	1:418:A:ASP:H	19	2.01
(1,222)	1:418:A:ASP:H	1:419:A:GLN:H	5	2.01
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD1	12	2.01
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD2	12	2.01
(1,195)	1:435:A:LYS:HB2	1:436:A:VAL:H	7	2.01
(1,195)	1:435:A:LYS:HB3	1:436:A:VAL:H	7	2.01
(1,195)	1:435:A:LYS:HB2	1:436:A:VAL:H	13	2.01
(1,195)	1:435:A:LYS:HB3	1:436:A:VAL:H	13	2.01
(1,195)	1:435:A:LYS:HB2	1:436:A:VAL:H	19	2.01
(1,195)	1:435:A:LYS:HB3	1:436:A:VAL:H	19	2.01
(1,173)	1:399:A:LYS:H	1:399:A:LYS:HA	19	2.01
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD11	5	2.01
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD12	5	2.01
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD13	5	2.01
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD21	5	2.01
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD22	5	2.01
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD23	5	2.01
(1,115)	1:490:A:TYR:H	1:490:A:TYR:HA	13	2.01
(1,115)	1:490:A:TYR:H	1:490:A:TYR:HA	16	2.01
(1,55)	1:471:A:ILE:H	1:475:A:ARG:HA	7	2.01
(1,55)	1:471:A:ILE:H	1:475:A:ARG:HA	8	2.01
(1,37)	1:478:A:VAL:H	1:478:A:VAL:HB	3	2.01
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD1	9	2.0
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD2	9	2.0
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD1	9	2.0
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD2	9	2.0
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD1	10	2.0
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD2	10	2.0
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD1	13	2.0
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD2	13	2.0
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD1	13	2.0
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD2	13	2.0
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD1	13	2.0
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD2	13	2.0
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD2	19	2.0
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD3	19	2.0
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG2	19	2.0
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG3	19	2.0
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD11	15	2.0
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD12	15	2.0
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD13	15	2.0
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE2	9	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE3	9	2.0
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE2	9	2.0
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE3	9	2.0
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	6	2.0
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	6	2.0
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	6	2.0
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	12	2.0
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	12	2.0
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	12	2.0
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG11	7	2.0
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG12	7	2.0
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG13	7	2.0
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG11	7	2.0
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG12	7	2.0
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG13	7	2.0
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG11	19	2.0
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG12	19	2.0
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG13	19	2.0
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG11	19	2.0
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG12	19	2.0
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG13	19	2.0
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB1	6	2.0
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB2	6	2.0
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB3	6	2.0
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB1	6	2.0
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB2	6	2.0
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB3	6	2.0
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB1	6	2.0
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB2	6	2.0
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB3	6	2.0
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB1	6	2.0
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB2	6	2.0
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB3	6	2.0
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB1	6	2.0
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB2	6	2.0
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB3	6	2.0
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB1	6	2.0
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB2	6	2.0
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB3	6	2.0
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD11	13	2.0
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD12	13	2.0
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD13	13	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD21	13	2.0
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD22	13	2.0
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD23	13	2.0
(1,1214)	1:415:A:GLU:H	1:415:A:GLU:HB2	2	2.0
(1,1206)	1:421:A:ILE:HB	1:421:A:ILE:HG12	19	2.0
(1,1197)	1:441:A:GLN:HB2	1:442:A:THR:H	6	2.0
(1,1097)	1:441:A:GLN:HA	1:444:A:LEU:H	19	2.0
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	1	2.0
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	1	2.0
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	1	2.0
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	1	2.0
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	1	2.0
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	1	2.0
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	1	2.0
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	1	2.0
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	1	2.0
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD11	15	2.0
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD12	15	2.0
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD13	15	2.0
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD11	20	2.0
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD12	20	2.0
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD13	20	2.0
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD11	15	2.0
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD12	15	2.0
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD13	15	2.0
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG21	4	2.0
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG22	4	2.0
(1,967)	1:413:A:PRO:HB2	1:471:A:ILE:HG23	4	2.0
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG21	4	2.0
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG22	4	2.0
(1,967)	1:413:A:PRO:HB3	1:471:A:ILE:HG23	4	2.0
(1,948)	1:461:A:ALA:HB1	1:462:A:ALA:H	6	2.0
(1,948)	1:461:A:ALA:HB2	1:462:A:ALA:H	6	2.0
(1,948)	1:461:A:ALA:HB3	1:462:A:ALA:H	6	2.0
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	7	2.0
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	7	2.0
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	7	2.0
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	7	2.0
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	7	2.0
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	7	2.0
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	7	2.0
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	7	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	7	2.0
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG21	1	2.0
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG22	1	2.0
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG23	1	2.0
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	1	2.0
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	1	2.0
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	1	2.0
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	1	2.0
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	1	2.0
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	1	2.0
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	1	2.0
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	1	2.0
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	1	2.0
(1,659)	1:480:A:LEU:HG	1:481:A:LYS:H	15	2.0
(1,654)	1:474:A:LYS:H	1:474:A:LYS:HG2	6	2.0
(1,599)	1:428:A:PHE:H	1:429:A:GLY:H	6	2.0
(1,565)	1:410:A:TYR:HB2	1:411:A:HIS:H	9	2.0
(1,493)	1:413:A:PRO:HB2	1:415:A:GLU:H	1	2.0
(1,493)	1:413:A:PRO:HB3	1:415:A:GLU:H	1	2.0
(1,493)	1:413:A:PRO:HB2	1:415:A:GLU:H	19	2.0
(1,493)	1:413:A:PRO:HB3	1:415:A:GLU:H	19	2.0
(1,436)	1:420:A:ASP:H	1:421:A:ILE:H	17	2.0
(1,430)	1:464:A:GLN:H	1:465:A:ALA:H	16	2.0
(1,411)	1:440:A:LYS:H	1:441:A:GLN:H	6	2.0
(1,411)	1:440:A:LYS:H	1:441:A:GLN:H	11	2.0
(1,372)	1:458:A:SER:H	1:458:A:SER:HB2	8	2.0
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB2	18	2.0
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB3	18	2.0
(1,300)	1:405:A:ALA:H	1:456:A:PRO:HD3	2	2.0
(1,252)	1:402:A:PRO:HD2	1:453:A:TYR:H	10	2.0
(1,232)	1:438:A:ILE:H	1:438:A:ILE:HB	2	2.0
(1,218)	1:461:A:ALA:HB1	1:462:A:ALA:H	6	2.0
(1,218)	1:461:A:ALA:HB2	1:462:A:ALA:H	6	2.0
(1,218)	1:461:A:ALA:HB3	1:462:A:ALA:H	6	2.0
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD1	3	2.0
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD2	3	2.0
(1,189)	1:460:A:GLN:HB2	1:461:A:ALA:H	12	2.0
(1,189)	1:460:A:GLN:HB3	1:461:A:ALA:H	12	2.0
(1,182)	1:422:A:LEU:H	1:422:A:LEU:HB2	18	2.0
(1,173)	1:399:A:LYS:H	1:399:A:LYS:HA	7	2.0
(1,173)	1:399:A:LYS:H	1:399:A:LYS:HA	14	2.0
(1,173)	1:399:A:LYS:H	1:399:A:LYS:HA	15	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:399:A:LYS:H	1:399:A:LYS:HA	18	2.0
(1,115)	1:490:A:TYR:H	1:490:A:TYR:HA	5	2.0
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG11	8	2.0
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG12	8	2.0
(1,98)	1:451:A:VAL:H	1:451:A:VAL:HG13	8	2.0
(1,89)	1:481:A:LYS:H	1:481:A:LYS:HB2	19	2.0
(1,41)	1:467:A:ASN:HA	1:478:A:VAL:H	4	2.0
(1,41)	1:467:A:ASN:HA	1:478:A:VAL:H	8	2.0
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG2	2	2.0
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG3	2	2.0
(1,24)	1:426:A:MET:H	1:431:A:VAL:HA	6	2.0
(1,20)	1:425:A:PHE:H	1:426:A:MET:H	20	2.0
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	8	1.99
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	8	1.99
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	8	1.99
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	8	1.99
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	8	1.99
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	8	1.99
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD1	9	1.99
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD2	9	1.99
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	15	1.99
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	15	1.99
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	15	1.99
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	15	1.99
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	15	1.99
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	15	1.99
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD1	16	1.99
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD2	16	1.99
(1,1532)	1:422:A:LEU:HA	1:422:A:LEU:HG	4	1.99
(1,1490)	1:438:A:ILE:HG21	1:443:A:ASN:HA	4	1.99
(1,1490)	1:438:A:ILE:HG22	1:443:A:ASN:HA	4	1.99
(1,1490)	1:438:A:ILE:HG23	1:443:A:ASN:HA	4	1.99
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	6	1.99
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	6	1.99
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD1	12	1.99
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD2	12	1.99
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	4	1.99
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	4	1.99
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	4	1.99
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	4	1.99
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	4	1.99
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	4	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	4	1.99
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	4	1.99
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	4	1.99
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG11	2	1.99
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG12	2	1.99
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG13	2	1.99
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	4	1.99
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	4	1.99
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	4	1.99
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	4	1.99
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	4	1.99
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	4	1.99
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	4	1.99
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	4	1.99
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	4	1.99
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG2	7	1.99
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG3	7	1.99
(1,1206)	1:421:A:ILE:HB	1:421:A:ILE:HG12	3	1.99
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG2	15	1.99
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG3	15	1.99
(1,1106)	1:478:A:VAL:H	1:478:A:VAL:HB	6	1.99
(1,1106)	1:478:A:VAL:H	1:478:A:VAL:HB	12	1.99
(1,1106)	1:478:A:VAL:H	1:478:A:VAL:HB	18	1.99
(1,1104)	1:441:A:GLN:HA	1:441:A:GLN:HG2	19	1.99
(1,1101)	1:477:A:LYS:HB2	1:478:A:VAL:H	10	1.99
(1,1101)	1:477:A:LYS:HB3	1:478:A:VAL:H	10	1.99
(1,1055)	1:435:A:LYS:HB2	1:436:A:VAL:H	3	1.99
(1,1055)	1:435:A:LYS:HB3	1:436:A:VAL:H	3	1.99
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	15	1.99
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	15	1.99
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	15	1.99
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	15	1.99
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	15	1.99
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	15	1.99
(1,1023)	1:421:A:ILE:HB	1:422:A:LEU:H	18	1.99
(1,1013)	1:463:A:ILE:HB	1:464:A:GLN:H	20	1.99
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB1	10	1.99
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB2	10	1.99
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB3	10	1.99
(1,954)	1:463:A:ILE:HG21	1:464:A:GLN:H	4	1.99
(1,954)	1:463:A:ILE:HG22	1:464:A:GLN:H	4	1.99
(1,954)	1:463:A:ILE:HG23	1:464:A:GLN:H	4	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:421:A:ILE:HG21	1:422:A:LEU:H	5	1.99
(1,932)	1:421:A:ILE:HG22	1:422:A:LEU:H	5	1.99
(1,932)	1:421:A:ILE:HG23	1:422:A:LEU:H	5	1.99
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG2	1	1.99
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG3	1	1.99
(1,659)	1:480:A:LEU:HG	1:481:A:LYS:H	4	1.99
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	12	1.99
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	12	1.99
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	12	1.99
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	12	1.99
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	12	1.99
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	12	1.99
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	12	1.99
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	12	1.99
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	12	1.99
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	12	1.99
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	12	1.99
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	12	1.99
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	12	1.99
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	12	1.99
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	12	1.99
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	12	1.99
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	12	1.99
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	12	1.99
(1,640)	1:466:A:MET:HG2	1:476:A:LEU:HG	14	1.99
(1,640)	1:466:A:MET:HG3	1:476:A:LEU:HG	14	1.99
(1,640)	1:466:A:MET:HG2	1:476:A:LEU:HG	18	1.99
(1,640)	1:466:A:MET:HG3	1:476:A:LEU:HG	18	1.99
(1,547)	1:404:A:GLY:H	1:405:A:ALA:H	13	1.99
(1,495)	1:415:A:GLU:H	1:415:A:GLU:HB3	18	1.99
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB1	18	1.99
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB2	18	1.99
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB3	18	1.99
(1,475)	1:445:A:SER:H	1:445:A:SER:HB3	3	1.99
(1,452)	1:459:A:ALA:H	1:460:A:GLN:H	12	1.99
(1,432)	1:463:A:ILE:HB	1:464:A:GLN:H	20	1.99
(1,377)	1:443:A:ASN:H	1:444:A:LEU:H	1	1.99
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD1	9	1.99
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD2	9	1.99
(1,319)	1:474:A:LYS:H	1:474:A:LYS:HB2	1	1.99
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG2	7	1.99
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG3	7	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,237)	1:400:A:GLU:H	1:400:A:GLU:HG3	7	1.99
(1,224)	1:417:A:GLY:HA2	1:418:A:ASP:H	1	1.99
(1,195)	1:435:A:LYS:HB2	1:436:A:VAL:H	3	1.99
(1,195)	1:435:A:LYS:HB3	1:436:A:VAL:H	3	1.99
(1,189)	1:460:A:GLN:HB2	1:461:A:ALA:H	5	1.99
(1,189)	1:460:A:GLN:HB3	1:461:A:ALA:H	5	1.99
(1,182)	1:422:A:LEU:H	1:422:A:LEU:HB2	16	1.99
(1,173)	1:399:A:LYS:H	1:399:A:LYS:HA	2	1.99
(1,173)	1:399:A:LYS:H	1:399:A:LYS:HA	4	1.99
(1,173)	1:399:A:LYS:H	1:399:A:LYS:HA	8	1.99
(1,173)	1:399:A:LYS:H	1:399:A:LYS:HA	11	1.99
(1,173)	1:399:A:LYS:H	1:399:A:LYS:HA	20	1.99
(1,136)	1:421:A:ILE:HG21	1:422:A:LEU:H	5	1.99
(1,136)	1:421:A:ILE:HG22	1:422:A:LEU:H	5	1.99
(1,136)	1:421:A:ILE:HG23	1:422:A:LEU:H	5	1.99
(1,75)	1:446:A:LYS:H	1:447:A:CYS:H	14	1.99
(1,53)	1:471:A:ILE:H	1:471:A:ILE:HB	7	1.99
(1,39)	1:477:A:LYS:HB2	1:478:A:VAL:H	10	1.99
(1,39)	1:477:A:LYS:HB3	1:478:A:VAL:H	10	1.99
(1,37)	1:478:A:VAL:H	1:478:A:VAL:HB	6	1.99
(1,37)	1:478:A:VAL:H	1:478:A:VAL:HB	12	1.99
(1,37)	1:478:A:VAL:H	1:478:A:VAL:HB	18	1.99
(1,24)	1:426:A:MET:H	1:431:A:VAL:HA	10	1.99
(1,20)	1:425:A:PHE:H	1:426:A:MET:H	11	1.99
(1,1598)	1:453:A:TYR:HE1	1:459:A:ALA:HA	12	1.98
(1,1598)	1:453:A:TYR:HE2	1:459:A:ALA:HA	12	1.98
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD1	9	1.98
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD2	9	1.98
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD1	1	1.98
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD2	1	1.98
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD1	18	1.98
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD2	18	1.98
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD1	20	1.98
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD2	20	1.98
(1,1532)	1:422:A:LEU:HA	1:422:A:LEU:HG	17	1.98
(1,1485)	1:398:A:GLN:HA	1:398:A:GLN:HG3	10	1.98
(1,1324)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	13	1.98
(1,1324)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	13	1.98
(1,1324)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	13	1.98
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG11	15	1.98
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG12	15	1.98
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG13	15	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1166)	1:400:A:GLU:HB2	1:401:A:GLY:H	15	1.98
(1,1163)	1:453:A:TYR:HE1	1:459:A:ALA:HA	12	1.98
(1,1163)	1:453:A:TYR:HE2	1:459:A:ALA:HA	12	1.98
(1,1162)	1:453:A:TYR:HD1	1:459:A:ALA:HA	5	1.98
(1,1162)	1:453:A:TYR:HD2	1:459:A:ALA:HA	5	1.98
(1,1104)	1:441:A:GLN:HA	1:441:A:GLN:HG2	20	1.98
(1,1032)	1:430:A:ASN:HB2	1:454:A:ASP:H	5	1.98
(1,1032)	1:430:A:ASN:HB3	1:454:A:ASP:H	5	1.98
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB1	2	1.98
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB2	2	1.98
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB3	2	1.98
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG21	7	1.98
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG22	7	1.98
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG23	7	1.98
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	4	1.98
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	4	1.98
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	4	1.98
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	4	1.98
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	4	1.98
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	4	1.98
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	4	1.98
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	4	1.98
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	4	1.98
(1,837)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	13	1.98
(1,837)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	13	1.98
(1,837)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	13	1.98
(1,656)	1:474:A:LYS:HA	1:474:A:LYS:HG2	6	1.98
(1,642)	1:439:A:ASP:HB3	1:444:A:LEU:HG	11	1.98
(1,582)	1:400:A:GLU:HB2	1:401:A:GLY:H	15	1.98
(1,565)	1:410:A:TYR:HB2	1:411:A:HIS:H	5	1.98
(1,556)	1:424:A:MET:HB2	1:425:A:PHE:H	7	1.98
(1,556)	1:424:A:MET:HB3	1:425:A:PHE:H	7	1.98
(1,543)	1:454:A:ASP:H	1:454:A:ASP:HB2	10	1.98
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG21	9	1.98
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG22	9	1.98
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG23	9	1.98
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG21	14	1.98
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG22	14	1.98
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG23	14	1.98
(1,515)	1:455:A:ASN:HB3	1:455:A:ASN:HD21	3	1.98
(1,512)	1:454:A:ASP:HB3	1:455:A:ASN:H	19	1.98
(1,495)	1:415:A:GLU:H	1:415:A:GLU:HB3	14	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,495)	1:415:A:GLU:H	1:415:A:GLU:HB3	16	1.98
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD11	16	1.98
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD12	16	1.98
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD13	16	1.98
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD21	16	1.98
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD22	16	1.98
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD23	16	1.98
(1,486)	1:406:A:ASN:H	1:406:A:ASN:HB2	4	1.98
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG21	7	1.98
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG22	7	1.98
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG23	7	1.98
(1,419)	1:465:A:ALA:H	1:466:A:MET:H	10	1.98
(1,415)	1:441:A:GLN:H	1:441:A:GLN:HB3	18	1.98
(1,396)	1:429:A:GLY:HA3	1:430:A:ASN:H	12	1.98
(1,396)	1:429:A:GLY:HA3	1:430:A:ASN:H	16	1.98
(1,395)	1:429:A:GLY:HA2	1:430:A:ASN:H	3	1.98
(1,377)	1:443:A:ASN:H	1:444:A:LEU:H	6	1.98
(1,360)	1:463:A:ILE:H	1:463:A:ILE:HB	11	1.98
(1,348)	1:408:A:PHE:H	1:408:A:PHE:HB3	10	1.98
(1,310)	1:475:A:ARG:H	1:475:A:ARG:HD2	16	1.98
(1,300)	1:405:A:ALA:H	1:456:A:PRO:HD3	16	1.98
(1,238)	1:400:A:GLU:H	1:400:A:GLU:HB3	8	1.98
(1,222)	1:418:A:ASP:H	1:419:A:GLN:H	16	1.98
(1,173)	1:399:A:LYS:H	1:399:A:LYS:HA	10	1.98
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB2	4	1.98
(1,160)	1:476:A:LEU:H	1:476:A:LEU:HB3	4	1.98
(1,130)	1:469:A:PHE:H	1:469:A:PHE:HB2	5	1.98
(1,130)	1:469:A:PHE:H	1:469:A:PHE:HB2	7	1.98
(1,99)	1:407:A:LEU:H	1:451:A:VAL:H	1	1.98
(1,20)	1:425:A:PHE:H	1:426:A:MET:H	3	1.98
(1,1589)	1:411:A:HIS:HA	1:411:A:HIS:HD2	20	1.97
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	17	1.97
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	17	1.97
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	17	1.97
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	17	1.97
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	17	1.97
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	17	1.97
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD1	6	1.97
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD2	6	1.97
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD1	6	1.97
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD2	6	1.97
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD1	10	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD2	10	1.97
(1,1342)	1:405:A:ALA:HB1	1:453:A:TYR:HB3	7	1.97
(1,1342)	1:405:A:ALA:HB2	1:453:A:TYR:HB3	7	1.97
(1,1342)	1:405:A:ALA:HB3	1:453:A:TYR:HB3	7	1.97
(1,1324)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	15	1.97
(1,1324)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	15	1.97
(1,1324)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	15	1.97
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG11	4	1.97
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG12	4	1.97
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG13	4	1.97
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	5	1.97
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	5	1.97
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	5	1.97
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	5	1.97
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	5	1.97
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	5	1.97
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	5	1.97
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	5	1.97
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	5	1.97
(1,1198)	1:441:A:GLN:HB2	1:441:A:GLN:HG2	19	1.97
(1,1172)	1:457:A:VAL:H	1:457:A:VAL:HB	1	1.97
(1,1172)	1:457:A:VAL:H	1:457:A:VAL:HB	15	1.97
(1,1166)	1:400:A:GLU:HB2	1:401:A:GLY:H	6	1.97
(1,1103)	1:441:A:GLN:HA	1:441:A:GLN:HG3	13	1.97
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	10	1.97
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	10	1.97
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	10	1.97
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	10	1.97
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	10	1.97
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	10	1.97
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	10	1.97
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	10	1.97
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	10	1.97
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB1	14	1.97
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB2	14	1.97
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB3	14	1.97
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	2	1.97
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	2	1.97
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	2	1.97
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	2	1.97
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	2	1.97
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	2	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	2	1.97
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	2	1.97
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	2	1.97
(1,975)	1:438:A:ILE:HG21	1:439:A:ASP:H	10	1.97
(1,975)	1:438:A:ILE:HG22	1:439:A:ASP:H	10	1.97
(1,975)	1:438:A:ILE:HG23	1:439:A:ASP:H	10	1.97
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG21	13	1.97
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG22	13	1.97
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG23	13	1.97
(1,896)	1:462:A:ALA:HB1	1:463:A:ILE:H	5	1.97
(1,896)	1:462:A:ALA:HB2	1:463:A:ILE:H	5	1.97
(1,896)	1:462:A:ALA:HB3	1:463:A:ILE:H	5	1.97
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG21	13	1.97
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG22	13	1.97
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG23	13	1.97
(1,857)	1:409:A:ILE:HG21	1:410:A:TYR:H	16	1.97
(1,857)	1:409:A:ILE:HG22	1:410:A:TYR:H	16	1.97
(1,857)	1:409:A:ILE:HG23	1:410:A:TYR:H	16	1.97
(1,851)	1:405:A:ALA:HB1	1:406:A:ASN:H	9	1.97
(1,851)	1:405:A:ALA:HB2	1:406:A:ASN:H	9	1.97
(1,851)	1:405:A:ALA:HB3	1:406:A:ASN:H	9	1.97
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	13	1.97
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	13	1.97
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	13	1.97
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	13	1.97
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	13	1.97
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	13	1.97
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	13	1.97
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	13	1.97
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	13	1.97
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	13	1.97
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	13	1.97
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	13	1.97
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	13	1.97
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	13	1.97
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	13	1.97
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	13	1.97
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	13	1.97
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	13	1.97
(1,837)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	15	1.97
(1,837)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	15	1.97
(1,837)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	15	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	5	1.97
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	5	1.97
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	5	1.97
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	5	1.97
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	5	1.97
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	5	1.97
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	5	1.97
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	5	1.97
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	5	1.97
(1,672)	1:444:A:LEU:H	1:444:A:LEU:HG	16	1.97
(1,659)	1:480:A:LEU:HG	1:481:A:LYS:H	3	1.97
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	13	1.97
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	13	1.97
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	13	1.97
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	13	1.97
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	13	1.97
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	13	1.97
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	13	1.97
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	13	1.97
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	13	1.97
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	13	1.97
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	13	1.97
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	13	1.97
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	13	1.97
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	13	1.97
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	13	1.97
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	13	1.97
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	13	1.97
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	13	1.97
(1,647)	1:407:A:LEU:HD11	1:408:A:PHE:H	11	1.97
(1,647)	1:407:A:LEU:HD12	1:408:A:PHE:H	11	1.97
(1,647)	1:407:A:LEU:HD13	1:408:A:PHE:H	11	1.97
(1,647)	1:407:A:LEU:HD21	1:408:A:PHE:H	11	1.97
(1,647)	1:407:A:LEU:HD22	1:408:A:PHE:H	11	1.97
(1,647)	1:407:A:LEU:HD23	1:408:A:PHE:H	11	1.97
(1,586)	1:427:A:PRO:HG2	1:428:A:PHE:H	16	1.97
(1,582)	1:400:A:GLU:HB2	1:401:A:GLY:H	6	1.97
(1,565)	1:410:A:TYR:HB2	1:411:A:HIS:H	19	1.97
(1,534)	1:453:A:TYR:HD1	1:454:A:ASP:H	17	1.97
(1,534)	1:453:A:TYR:HD2	1:454:A:ASP:H	17	1.97
(1,515)	1:455:A:ASN:HB3	1:455:A:ASN:HD21	18	1.97
(1,515)	1:455:A:ASN:HB3	1:455:A:ASN:HD21	19	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD11	7	1.97
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD12	7	1.97
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD13	7	1.97
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD21	7	1.97
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD22	7	1.97
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD23	7	1.97
(1,419)	1:465:A:ALA:H	1:466:A:MET:H	14	1.97
(1,384)	1:444:A:LEU:H	1:444:A:LEU:HG	16	1.97
(1,377)	1:443:A:ASN:H	1:444:A:LEU:H	4	1.97
(1,372)	1:458:A:SER:H	1:458:A:SER:HB2	17	1.97
(1,360)	1:463:A:ILE:H	1:463:A:ILE:HB	3	1.97
(1,360)	1:463:A:ILE:H	1:463:A:ILE:HB	19	1.97
(1,360)	1:463:A:ILE:H	1:463:A:ILE:HB	20	1.97
(1,352)	1:407:A:LEU:HD11	1:408:A:PHE:H	11	1.97
(1,352)	1:407:A:LEU:HD12	1:408:A:PHE:H	11	1.97
(1,352)	1:407:A:LEU:HD13	1:408:A:PHE:H	11	1.97
(1,352)	1:407:A:LEU:HD21	1:408:A:PHE:H	11	1.97
(1,352)	1:407:A:LEU:HD22	1:408:A:PHE:H	11	1.97
(1,352)	1:407:A:LEU:HD23	1:408:A:PHE:H	11	1.97
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB2	1	1.97
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB3	1	1.97
(1,273)	1:457:A:VAL:H	1:457:A:VAL:HB	1	1.97
(1,273)	1:457:A:VAL:H	1:457:A:VAL:HB	15	1.97
(1,232)	1:438:A:ILE:H	1:438:A:ILE:HB	20	1.97
(1,189)	1:460:A:GLN:HB2	1:461:A:ALA:H	15	1.97
(1,189)	1:460:A:GLN:HB3	1:461:A:ALA:H	15	1.97
(1,182)	1:422:A:LEU:H	1:422:A:LEU:HB2	20	1.97
(1,173)	1:399:A:LYS:H	1:399:A:LYS:HA	3	1.97
(1,173)	1:399:A:LYS:H	1:399:A:LYS:HA	17	1.97
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG11	17	1.97
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG12	17	1.97
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG13	17	1.97
(1,130)	1:469:A:PHE:H	1:469:A:PHE:HB2	14	1.97
(1,53)	1:471:A:ILE:H	1:471:A:ILE:HB	17	1.97
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG2	13	1.97
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG3	13	1.97
(1,1)	1:469:A:PHE:HD1	1:470:A:GLN:H	4	1.97
(1,1)	1:469:A:PHE:HD2	1:470:A:GLN:H	4	1.97
(1,1589)	1:411:A:HIS:HA	1:411:A:HIS:HD2	12	1.96
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD1	3	1.96
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD2	3	1.96
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD1	16	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD2	16	1.96
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	2	1.96
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	2	1.96
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	2	1.96
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	2	1.96
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	2	1.96
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	2	1.96
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	2	1.96
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	2	1.96
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	2	1.96
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	11	1.96
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	11	1.96
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	11	1.96
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	11	1.96
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	11	1.96
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	11	1.96
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	11	1.96
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	11	1.96
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	11	1.96
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	1	1.96
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	1	1.96
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	1	1.96
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG11	4	1.96
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG12	4	1.96
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG13	4	1.96
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	11	1.96
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	11	1.96
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	11	1.96
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	11	1.96
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	11	1.96
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	11	1.96
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	11	1.96
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	11	1.96
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	11	1.96
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG21	14	1.96
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG22	14	1.96
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG23	14	1.96
(1,1249)	1:480:A:LEU:HA	1:480:A:LEU:HG	10	1.96
(1,1198)	1:441:A:GLN:HB2	1:441:A:GLN:HG2	3	1.96
(1,1166)	1:400:A:GLU:HB2	1:401:A:GLY:H	7	1.96
(1,1114)	1:414:A:GLN:HB2	1:414:A:GLN:HG2	11	1.96
(1,1100)	1:474:A:LYS:HB2	1:475:A:ARG:H	7	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1100)	1:474:A:LYS:HB3	1:475:A:ARG:H	7	1.96
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	2	1.96
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	2	1.96
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	2	1.96
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	2	1.96
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	2	1.96
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	2	1.96
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	2	1.96
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	2	1.96
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	2	1.96
(1,975)	1:438:A:ILE:HG21	1:439:A:ASP:H	15	1.96
(1,975)	1:438:A:ILE:HG22	1:439:A:ASP:H	15	1.96
(1,975)	1:438:A:ILE:HG23	1:439:A:ASP:H	15	1.96
(1,963)	1:420:A:ASP:H	1:420:A:ASP:HB3	9	1.96
(1,963)	1:420:A:ASP:H	1:420:A:ASP:HB3	13	1.96
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG21	16	1.96
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG22	16	1.96
(1,955)	1:463:A:ILE:HA	1:463:A:ILE:HG23	16	1.96
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	6	1.96
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	6	1.96
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	6	1.96
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	6	1.96
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	6	1.96
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	6	1.96
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG21	16	1.96
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG22	16	1.96
(1,865)	1:463:A:ILE:HA	1:463:A:ILE:HG23	16	1.96
(1,830)	1:450:A:PHE:HB2	1:451:A:VAL:H	2	1.96
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG21	14	1.96
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG22	14	1.96
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG23	14	1.96
(1,582)	1:400:A:GLU:HB2	1:401:A:GLY:H	7	1.96
(1,522)	1:432:A:ILE:HB	1:433:A:SER:H	7	1.96
(1,419)	1:465:A:ALA:H	1:466:A:MET:H	7	1.96
(1,419)	1:465:A:ALA:H	1:466:A:MET:H	18	1.96
(1,396)	1:429:A:GLY:HA3	1:430:A:ASN:H	1	1.96
(1,386)	1:420:A:ASP:H	1:420:A:ASP:HB3	9	1.96
(1,386)	1:420:A:ASP:H	1:420:A:ASP:HB3	13	1.96
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB2	9	1.96
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB3	9	1.96
(1,300)	1:405:A:ALA:H	1:456:A:PRO:HD3	8	1.96
(1,276)	1:458:A:SER:H	1:459:A:ALA:H	3	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,238)	1:400:A:GLU:H	1:400:A:GLU:HB3	2	1.96
(1,226)	1:418:A:ASP:H	1:418:A:ASP:HB3	19	1.96
(1,224)	1:417:A:GLY:HA2	1:418:A:ASP:H	2	1.96
(1,222)	1:418:A:ASP:H	1:419:A:GLN:H	8	1.96
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD1	10	1.96
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD2	10	1.96
(1,130)	1:469:A:PHE:H	1:469:A:PHE:HB2	2	1.96
(1,130)	1:469:A:PHE:H	1:469:A:PHE:HB2	3	1.96
(1,130)	1:469:A:PHE:H	1:469:A:PHE:HB2	12	1.96
(1,121)	1:473:A:MET:H	1:473:A:MET:HG2	4	1.96
(1,99)	1:407:A:LEU:H	1:451:A:VAL:H	18	1.96
(1,89)	1:481:A:LYS:H	1:481:A:LYS:HB2	1	1.96
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG2	11	1.96
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG3	11	1.96
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG2	19	1.96
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG3	19	1.96
(1,20)	1:425:A:PHE:H	1:426:A:MET:H	2	1.96
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	16	1.95
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	16	1.95
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	16	1.95
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	16	1.95
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	16	1.95
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	16	1.95
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	16	1.95
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	16	1.95
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	16	1.95
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	16	1.95
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	16	1.95
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	16	1.95
(1,1591)	1:411:A:HIS:HB3	1:411:A:HIS:HD2	14	1.95
(1,1590)	1:411:A:HIS:HB2	1:411:A:HIS:HD2	8	1.95
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	17	1.95
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	17	1.95
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	17	1.95
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	17	1.95
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	17	1.95
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	17	1.95
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD1	6	1.95
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD2	6	1.95
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD1	2	1.95
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD2	2	1.95
(1,1496)	1:486:A:ASP:HA	1:486:A:ASP:HB3	4	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1496)	1:486:A:ASP:HA	1:486:A:ASP:HB3	8	1.95
(1,1491)	1:407:A:LEU:HD11	1:459:A:ALA:HA	3	1.95
(1,1491)	1:407:A:LEU:HD12	1:459:A:ALA:HA	3	1.95
(1,1491)	1:407:A:LEU:HD13	1:459:A:ALA:HA	3	1.95
(1,1491)	1:407:A:LEU:HD21	1:459:A:ALA:HA	3	1.95
(1,1491)	1:407:A:LEU:HD22	1:459:A:ALA:HA	3	1.95
(1,1491)	1:407:A:LEU:HD23	1:459:A:ALA:HA	3	1.95
(1,1485)	1:398:A:GLN:HA	1:398:A:GLN:HG3	7	1.95
(1,1454)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	3	1.95
(1,1454)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	19	1.95
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG21	12	1.95
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG22	12	1.95
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG23	12	1.95
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG12	18	1.95
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG13	18	1.95
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG11	3	1.95
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG12	3	1.95
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG13	3	1.95
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	16	1.95
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	16	1.95
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	16	1.95
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	16	1.95
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	16	1.95
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	16	1.95
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	16	1.95
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	16	1.95
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	16	1.95
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD11	1	1.95
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD12	1	1.95
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD13	1	1.95
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD21	1	1.95
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD22	1	1.95
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD23	1	1.95
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	16	1.95
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	16	1.95
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	16	1.95
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	16	1.95
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	16	1.95
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	16	1.95
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	16	1.95
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	16	1.95
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	16	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	16	1.95
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	16	1.95
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	16	1.95
(1,1206)	1:421:A:ILE:HB	1:421:A:ILE:HG12	9	1.95
(1,1197)	1:441:A:GLN:HB2	1:442:A:THR:H	17	1.95
(1,1170)	1:486:A:ASP:HA	1:486:A:ASP:HB3	4	1.95
(1,1170)	1:486:A:ASP:HA	1:486:A:ASP:HB3	8	1.95
(1,1166)	1:400:A:GLU:HB2	1:401:A:GLY:H	13	1.95
(1,1164)	1:407:A:LEU:HD11	1:459:A:ALA:HA	3	1.95
(1,1164)	1:407:A:LEU:HD12	1:459:A:ALA:HA	3	1.95
(1,1164)	1:407:A:LEU:HD13	1:459:A:ALA:HA	3	1.95
(1,1164)	1:407:A:LEU:HD21	1:459:A:ALA:HA	3	1.95
(1,1164)	1:407:A:LEU:HD22	1:459:A:ALA:HA	3	1.95
(1,1164)	1:407:A:LEU:HD23	1:459:A:ALA:HA	3	1.95
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG2	11	1.95
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG3	11	1.95
(1,1073)	1:432:A:ILE:HD11	1:454:A:ASP:H	3	1.95
(1,1073)	1:432:A:ILE:HD12	1:454:A:ASP:H	3	1.95
(1,1073)	1:432:A:ILE:HD13	1:454:A:ASP:H	3	1.95
(1,1055)	1:435:A:LYS:HB2	1:436:A:VAL:H	8	1.95
(1,1055)	1:435:A:LYS:HB3	1:436:A:VAL:H	8	1.95
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD11	12	1.95
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD12	12	1.95
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD13	12	1.95
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB1	18	1.95
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB2	18	1.95
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB3	18	1.95
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD11	10	1.95
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD12	10	1.95
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD13	10	1.95
(1,954)	1:463:A:ILE:HG21	1:464:A:GLN:H	6	1.95
(1,954)	1:463:A:ILE:HG22	1:464:A:GLN:H	6	1.95
(1,954)	1:463:A:ILE:HG23	1:464:A:GLN:H	6	1.95
(1,932)	1:421:A:ILE:HG21	1:422:A:LEU:H	3	1.95
(1,932)	1:421:A:ILE:HG22	1:422:A:LEU:H	3	1.95
(1,932)	1:421:A:ILE:HG23	1:422:A:LEU:H	3	1.95
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	19	1.95
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	19	1.95
(1,896)	1:462:A:ALA:HB1	1:463:A:ILE:H	13	1.95
(1,896)	1:462:A:ALA:HB2	1:463:A:ILE:H	13	1.95
(1,896)	1:462:A:ALA:HB3	1:463:A:ILE:H	13	1.95
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG12	18	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG13	18	1.95
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	16	1.95
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	16	1.95
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	16	1.95
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	16	1.95
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	16	1.95
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	16	1.95
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	16	1.95
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	16	1.95
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	16	1.95
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG21	3	1.95
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG22	3	1.95
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG23	3	1.95
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	16	1.95
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	16	1.95
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	16	1.95
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	16	1.95
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	16	1.95
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	16	1.95
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	16	1.95
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	16	1.95
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	16	1.95
(1,720)	1:444:A:LEU:HD11	1:445:A:SER:H	15	1.95
(1,720)	1:444:A:LEU:HD12	1:445:A:SER:H	15	1.95
(1,720)	1:444:A:LEU:HD13	1:445:A:SER:H	15	1.95
(1,720)	1:444:A:LEU:HD21	1:445:A:SER:H	15	1.95
(1,720)	1:444:A:LEU:HD22	1:445:A:SER:H	15	1.95
(1,720)	1:444:A:LEU:HD23	1:445:A:SER:H	15	1.95
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG2	8	1.95
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG3	8	1.95
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	19	1.95
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	19	1.95
(1,582)	1:400:A:GLU:HB2	1:401:A:GLY:H	13	1.95
(1,547)	1:404:A:GLY:H	1:405:A:ALA:H	8	1.95
(1,522)	1:432:A:ILE:HB	1:433:A:SER:H	6	1.95
(1,515)	1:455:A:ASN:HB3	1:455:A:ASN:HD21	5	1.95
(1,511)	1:455:A:ASN:H	1:458:A:SER:HB3	3	1.95
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB1	10	1.95
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB2	10	1.95
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB3	10	1.95
(1,479)	1:444:A:LEU:HD11	1:445:A:SER:H	15	1.95
(1,479)	1:444:A:LEU:HD12	1:445:A:SER:H	15	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:444:A:LEU:HD13	1:445:A:SER:H	15	1.95
(1,479)	1:444:A:LEU:HD21	1:445:A:SER:H	15	1.95
(1,479)	1:444:A:LEU:HD22	1:445:A:SER:H	15	1.95
(1,479)	1:444:A:LEU:HD23	1:445:A:SER:H	15	1.95
(1,435)	1:421:A:ILE:H	1:422:A:LEU:H	11	1.95
(1,419)	1:465:A:ALA:H	1:466:A:MET:H	11	1.95
(1,300)	1:405:A:ALA:H	1:456:A:PRO:HD3	18	1.95
(1,248)	1:405:A:ALA:HB1	1:453:A:TYR:H	2	1.95
(1,248)	1:405:A:ALA:HB2	1:453:A:TYR:H	2	1.95
(1,248)	1:405:A:ALA:HB3	1:453:A:TYR:H	2	1.95
(1,238)	1:400:A:GLU:H	1:400:A:GLU:HB3	14	1.95
(1,238)	1:400:A:GLU:H	1:400:A:GLU:HB3	17	1.95
(1,232)	1:438:A:ILE:H	1:438:A:ILE:HB	15	1.95
(1,195)	1:435:A:LYS:HB2	1:436:A:VAL:H	8	1.95
(1,195)	1:435:A:LYS:HB3	1:436:A:VAL:H	8	1.95
(1,189)	1:460:A:GLN:HB2	1:461:A:ALA:H	13	1.95
(1,189)	1:460:A:GLN:HB3	1:461:A:ALA:H	13	1.95
(1,182)	1:422:A:LEU:H	1:422:A:LEU:HB2	1	1.95
(1,182)	1:422:A:LEU:H	1:422:A:LEU:HB2	11	1.95
(1,136)	1:421:A:ILE:HG21	1:422:A:LEU:H	3	1.95
(1,136)	1:421:A:ILE:HG22	1:422:A:LEU:H	3	1.95
(1,136)	1:421:A:ILE:HG23	1:422:A:LEU:H	3	1.95
(1,55)	1:471:A:ILE:H	1:475:A:ARG:HA	5	1.95
(1,55)	1:471:A:ILE:H	1:475:A:ARG:HA	20	1.95
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD1	5	1.94
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD2	5	1.94
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD1	11	1.94
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD2	11	1.94
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD1	11	1.94
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD2	11	1.94
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	8	1.94
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	8	1.94
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	8	1.94
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	8	1.94
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	8	1.94
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	8	1.94
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG12	12	1.94
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG13	12	1.94
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG11	20	1.94
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG12	20	1.94
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG13	20	1.94
(1,1324)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	11	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1324)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	11	1.94
(1,1324)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	11	1.94
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG11	6	1.94
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG12	6	1.94
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG13	6	1.94
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	8	1.94
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	8	1.94
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	8	1.94
(1,1206)	1:421:A:ILE:HB	1:421:A:ILE:HG12	2	1.94
(1,1152)	1:400:A:GLU:HB3	1:400:A:GLU:HG3	4	1.94
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD11	18	1.94
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD12	18	1.94
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD13	18	1.94
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	6	1.94
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	6	1.94
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	6	1.94
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	6	1.94
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	6	1.94
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	6	1.94
(1,1013)	1:463:A:ILE:HB	1:464:A:GLN:H	9	1.94
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	15	1.94
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	15	1.94
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	15	1.94
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	15	1.94
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	15	1.94
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	15	1.94
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	15	1.94
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	15	1.94
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	15	1.94
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD11	11	1.94
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD12	11	1.94
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD13	11	1.94
(1,975)	1:438:A:ILE:HG21	1:439:A:ASP:H	5	1.94
(1,975)	1:438:A:ILE:HG22	1:439:A:ASP:H	5	1.94
(1,975)	1:438:A:ILE:HG23	1:439:A:ASP:H	5	1.94
(1,932)	1:421:A:ILE:HG21	1:422:A:LEU:H	19	1.94
(1,932)	1:421:A:ILE:HG22	1:422:A:LEU:H	19	1.94
(1,932)	1:421:A:ILE:HG23	1:422:A:LEU:H	19	1.94
(1,924)	1:455:A:ASN:H	1:455:A:ASN:HB3	14	1.94
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	15	1.94
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	15	1.94
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	15	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	15	1.94
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	15	1.94
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	15	1.94
(1,891)	1:439:A:ASP:HB3	1:444:A:LEU:H	5	1.94
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG12	12	1.94
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG13	12	1.94
(1,837)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	11	1.94
(1,837)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	11	1.94
(1,837)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	11	1.94
(1,640)	1:466:A:MET:HG2	1:476:A:LEU:HG	5	1.94
(1,640)	1:466:A:MET:HG3	1:476:A:LEU:HG	5	1.94
(1,640)	1:466:A:MET:HG2	1:476:A:LEU:HG	20	1.94
(1,640)	1:466:A:MET:HG3	1:476:A:LEU:HG	20	1.94
(1,586)	1:427:A:PRO:HG2	1:428:A:PHE:H	1	1.94
(1,547)	1:404:A:GLY:H	1:405:A:ALA:H	18	1.94
(1,543)	1:454:A:ASP:H	1:454:A:ASP:HB2	15	1.94
(1,515)	1:455:A:ASN:HB3	1:455:A:ASN:HD21	16	1.94
(1,514)	1:455:A:ASN:H	1:455:A:ASN:HB3	14	1.94
(1,495)	1:415:A:GLU:H	1:415:A:GLU:HB3	11	1.94
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD11	13	1.94
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD12	13	1.94
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD13	13	1.94
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD21	13	1.94
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD22	13	1.94
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD23	13	1.94
(1,452)	1:459:A:ALA:H	1:460:A:GLN:H	3	1.94
(1,452)	1:459:A:ALA:H	1:460:A:GLN:H	14	1.94
(1,432)	1:463:A:ILE:HB	1:464:A:GLN:H	9	1.94
(1,429)	1:463:A:ILE:H	1:464:A:GLN:H	5	1.94
(1,413)	1:441:A:GLN:H	1:442:A:THR:H	10	1.94
(1,377)	1:443:A:ASN:H	1:444:A:LEU:H	19	1.94
(1,371)	1:458:A:SER:H	1:458:A:SER:HB3	12	1.94
(1,321)	1:433:A:SER:H	1:452:A:SER:H	2	1.94
(1,319)	1:474:A:LYS:H	1:474:A:LYS:HB2	2	1.94
(1,276)	1:458:A:SER:H	1:459:A:ALA:H	2	1.94
(1,276)	1:458:A:SER:H	1:459:A:ALA:H	13	1.94
(1,238)	1:400:A:GLU:H	1:400:A:GLU:HB3	13	1.94
(1,232)	1:438:A:ILE:H	1:438:A:ILE:HB	1	1.94
(1,182)	1:422:A:LEU:H	1:422:A:LEU:HB2	14	1.94
(1,166)	1:463:A:ILE:HG21	1:480:A:LEU:H	6	1.94
(1,166)	1:463:A:ILE:HG22	1:480:A:LEU:H	6	1.94
(1,166)	1:463:A:ILE:HG23	1:480:A:LEU:H	6	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:421:A:ILE:HG21	1:422:A:LEU:H	19	1.94
(1,136)	1:421:A:ILE:HG22	1:422:A:LEU:H	19	1.94
(1,136)	1:421:A:ILE:HG23	1:422:A:LEU:H	19	1.94
(1,24)	1:426:A:MET:H	1:431:A:VAL:HA	9	1.94
(1,24)	1:426:A:MET:H	1:431:A:VAL:HA	14	1.94
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	6	1.93
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	6	1.93
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	6	1.93
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	6	1.93
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	6	1.93
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	6	1.93
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	6	1.93
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	6	1.93
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	6	1.93
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	6	1.93
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	6	1.93
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	6	1.93
(1,1591)	1:411:A:HIS:HB3	1:411:A:HIS:HD2	19	1.93
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD1	4	1.93
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD2	4	1.93
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD1	9	1.93
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD2	9	1.93
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD2	7	1.93
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD3	7	1.93
(1,1491)	1:407:A:LEU:HD11	1:459:A:ALA:HA	10	1.93
(1,1491)	1:407:A:LEU:HD12	1:459:A:ALA:HA	10	1.93
(1,1491)	1:407:A:LEU:HD13	1:459:A:ALA:HA	10	1.93
(1,1491)	1:407:A:LEU:HD21	1:459:A:ALA:HA	10	1.93
(1,1491)	1:407:A:LEU:HD22	1:459:A:ALA:HA	10	1.93
(1,1491)	1:407:A:LEU:HD23	1:459:A:ALA:HA	10	1.93
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD2	7	1.93
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD3	7	1.93
(1,1460)	1:423:A:GLN:HA	1:423:A:GLN:HG3	13	1.93
(1,1460)	1:423:A:GLN:HA	1:423:A:GLN:HG3	16	1.93
(1,1460)	1:423:A:GLN:HA	1:423:A:GLN:HG3	19	1.93
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG2	10	1.93
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG3	10	1.93
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG21	20	1.93
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG22	20	1.93
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG23	20	1.93
(1,1324)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	6	1.93
(1,1324)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	6	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1324)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	6	1.93
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG11	20	1.93
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG12	20	1.93
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG13	20	1.93
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	1	1.93
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	1	1.93
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	1	1.93
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	1	1.93
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	1	1.93
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	1	1.93
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	1	1.93
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	1	1.93
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	1	1.93
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB1	2	1.93
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB2	2	1.93
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB3	2	1.93
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB1	2	1.93
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB2	2	1.93
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB3	2	1.93
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB1	2	1.93
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB2	2	1.93
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB3	2	1.93
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB1	2	1.93
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB2	2	1.93
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB3	2	1.93
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB1	2	1.93
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB2	2	1.93
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB3	2	1.93
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB1	2	1.93
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB2	2	1.93
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB3	2	1.93
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	6	1.93
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	6	1.93
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	6	1.93
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	6	1.93
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	6	1.93
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	6	1.93
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	6	1.93
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	6	1.93
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	6	1.93
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	6	1.93
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	6	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	6	1.93
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD11	6	1.93
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD12	6	1.93
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD13	6	1.93
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD21	6	1.93
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD22	6	1.93
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD23	6	1.93
(1,1206)	1:421:A:ILE:HB	1:421:A:ILE:HG12	5	1.93
(1,1206)	1:421:A:ILE:HB	1:421:A:ILE:HG12	14	1.93
(1,1198)	1:441:A:GLN:HB2	1:441:A:GLN:HG2	5	1.93
(1,1198)	1:441:A:GLN:HB2	1:441:A:GLN:HG2	10	1.93
(1,1198)	1:441:A:GLN:HB2	1:441:A:GLN:HG2	17	1.93
(1,1164)	1:407:A:LEU:HD11	1:459:A:ALA:HA	10	1.93
(1,1164)	1:407:A:LEU:HD12	1:459:A:ALA:HA	10	1.93
(1,1164)	1:407:A:LEU:HD13	1:459:A:ALA:HA	10	1.93
(1,1164)	1:407:A:LEU:HD21	1:459:A:ALA:HA	10	1.93
(1,1164)	1:407:A:LEU:HD22	1:459:A:ALA:HA	10	1.93
(1,1164)	1:407:A:LEU:HD23	1:459:A:ALA:HA	10	1.93
(1,1152)	1:400:A:GLU:HB3	1:400:A:GLU:HG3	12	1.93
(1,1112)	1:423:A:GLN:HA	1:423:A:GLN:HG3	13	1.93
(1,1112)	1:423:A:GLN:HA	1:423:A:GLN:HG3	16	1.93
(1,1112)	1:423:A:GLN:HA	1:423:A:GLN:HG3	19	1.93
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG2	10	1.93
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG3	10	1.93
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	1	1.93
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	1	1.93
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	1	1.93
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	1	1.93
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	1	1.93
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	1	1.93
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	20	1.93
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	20	1.93
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	20	1.93
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	20	1.93
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	20	1.93
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	20	1.93
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	2	1.93
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	2	1.93
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	2	1.93
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	2	1.93
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	2	1.93
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	2	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	2	1.93
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	2	1.93
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	2	1.93
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	2	1.93
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	2	1.93
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	2	1.93
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	2	1.93
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	2	1.93
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	2	1.93
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	2	1.93
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	2	1.93
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	2	1.93
(1,837)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	6	1.93
(1,837)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	6	1.93
(1,837)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	6	1.93
(1,830)	1:450:A:PHE:HB2	1:451:A:VAL:H	15	1.93
(1,830)	1:450:A:PHE:HB2	1:451:A:VAL:H	20	1.93
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	1	1.93
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	1	1.93
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	1	1.93
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	1	1.93
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	1	1.93
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	1	1.93
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	1	1.93
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	1	1.93
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	1	1.93
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG2	15	1.93
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG3	15	1.93
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG2	15	1.93
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG3	15	1.93
(1,659)	1:480:A:LEU:HG	1:481:A:LYS:H	18	1.93
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	2	1.93
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	2	1.93
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	2	1.93
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	2	1.93
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	2	1.93
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	2	1.93
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	2	1.93
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	2	1.93
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	2	1.93
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	2	1.93
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	2	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	2	1.93
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	2	1.93
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	2	1.93
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	2	1.93
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	2	1.93
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	2	1.93
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	2	1.93
(1,640)	1:466:A:MET:HG2	1:476:A:LEU:HG	8	1.93
(1,640)	1:466:A:MET:HG3	1:476:A:LEU:HG	8	1.93
(1,599)	1:428:A:PHE:H	1:429:A:GLY:H	12	1.93
(1,556)	1:424:A:MET:HB2	1:425:A:PHE:H	16	1.93
(1,556)	1:424:A:MET:HB3	1:425:A:PHE:H	16	1.93
(1,547)	1:404:A:GLY:H	1:405:A:ALA:H	2	1.93
(1,512)	1:454:A:ASP:HB3	1:455:A:ASN:H	12	1.93
(1,452)	1:459:A:ALA:H	1:460:A:GLN:H	6	1.93
(1,452)	1:459:A:ALA:H	1:460:A:GLN:H	18	1.93
(1,419)	1:465:A:ALA:H	1:466:A:MET:H	4	1.93
(1,419)	1:465:A:ALA:H	1:466:A:MET:H	15	1.93
(1,419)	1:465:A:ALA:H	1:466:A:MET:H	17	1.93
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB2	2	1.93
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB3	2	1.93
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB2	12	1.93
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB3	12	1.93
(1,238)	1:400:A:GLU:H	1:400:A:GLU:HB3	6	1.93
(1,237)	1:400:A:GLU:H	1:400:A:GLU:HG3	11	1.93
(1,232)	1:438:A:ILE:H	1:438:A:ILE:HB	6	1.93
(1,224)	1:417:A:GLY:HA2	1:418:A:ASP:H	13	1.93
(1,166)	1:463:A:ILE:HG21	1:480:A:LEU:H	13	1.93
(1,166)	1:463:A:ILE:HG22	1:480:A:LEU:H	13	1.93
(1,166)	1:463:A:ILE:HG23	1:480:A:LEU:H	13	1.93
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD11	10	1.93
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD12	10	1.93
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD13	10	1.93
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD21	10	1.93
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD22	10	1.93
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD23	10	1.93
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD1	5	1.93
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD2	5	1.93
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG2	15	1.93
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG3	15	1.93
(1,55)	1:471:A:ILE:H	1:475:A:ARG:HA	9	1.93
(1,55)	1:471:A:ILE:H	1:475:A:ARG:HA	16	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1590)	1:411:A:HIS:HB2	1:411:A:HIS:HD2	3	1.92
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD1	1	1.92
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD2	1	1.92
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD1	5	1.92
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD2	5	1.92
(1,1496)	1:486:A:ASP:HA	1:486:A:ASP:HB3	18	1.92
(1,1460)	1:423:A:GLN:HA	1:423:A:GLN:HG3	5	1.92
(1,1454)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	5	1.92
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	16	1.92
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	16	1.92
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	16	1.92
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	16	1.92
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	16	1.92
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	16	1.92
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB1	20	1.92
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB2	20	1.92
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB3	20	1.92
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB1	20	1.92
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB2	20	1.92
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB3	20	1.92
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB1	20	1.92
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB2	20	1.92
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB3	20	1.92
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	1	1.92
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	1	1.92
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	1	1.92
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	1	1.92
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	1	1.92
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	1	1.92
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	1	1.92
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	1	1.92
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	1	1.92
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	6	1.92
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	6	1.92
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	6	1.92
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	6	1.92
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	6	1.92
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	6	1.92
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	6	1.92
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	6	1.92
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	6	1.92
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG21	19	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG22	19	1.92
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG23	19	1.92
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG12	20	1.92
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG13	20	1.92
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG11	19	1.92
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG12	19	1.92
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG13	19	1.92
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	1	1.92
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	1	1.92
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	1	1.92
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	1	1.92
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	1	1.92
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	1	1.92
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	1	1.92
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	1	1.92
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	1	1.92
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	6	1.92
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	6	1.92
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	6	1.92
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	6	1.92
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	6	1.92
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	6	1.92
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	6	1.92
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	6	1.92
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	6	1.92
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD11	18	1.92
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD12	18	1.92
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD13	18	1.92
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD21	18	1.92
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD22	18	1.92
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD23	18	1.92
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD11	2	1.92
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD12	2	1.92
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD13	2	1.92
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD21	2	1.92
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD22	2	1.92
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD23	2	1.92
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD11	3	1.92
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD12	3	1.92
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD13	3	1.92
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD21	3	1.92
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD22	3	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD23	3	1.92
(1,1223)	1:423:A:GLN:HB2	1:424:A:MET:H	3	1.92
(1,1223)	1:423:A:GLN:HB3	1:424:A:MET:H	3	1.92
(1,1206)	1:421:A:ILE:HB	1:421:A:ILE:HG12	13	1.92
(1,1206)	1:421:A:ILE:HB	1:421:A:ILE:HG12	15	1.92
(1,1206)	1:421:A:ILE:HB	1:421:A:ILE:HG12	16	1.92
(1,1206)	1:421:A:ILE:HB	1:421:A:ILE:HG12	18	1.92
(1,1206)	1:421:A:ILE:HB	1:421:A:ILE:HG12	20	1.92
(1,1198)	1:441:A:GLN:HB2	1:441:A:GLN:HG2	6	1.92
(1,1198)	1:441:A:GLN:HB2	1:441:A:GLN:HG2	12	1.92
(1,1198)	1:441:A:GLN:HB2	1:441:A:GLN:HG2	16	1.92
(1,1170)	1:486:A:ASP:HA	1:486:A:ASP:HB3	18	1.92
(1,1152)	1:400:A:GLU:HB3	1:400:A:GLU:HG3	13	1.92
(1,1112)	1:423:A:GLN:HA	1:423:A:GLN:HG3	5	1.92
(1,1110)	1:423:A:GLN:H	1:423:A:GLN:HG3	19	1.92
(1,1104)	1:441:A:GLN:HA	1:441:A:GLN:HG2	2	1.92
(1,1102)	1:441:A:GLN:HB2	1:441:A:GLN:HG3	14	1.92
(1,1055)	1:435:A:LYS:HB2	1:436:A:VAL:H	1	1.92
(1,1055)	1:435:A:LYS:HB3	1:436:A:VAL:H	1	1.92
(1,1055)	1:435:A:LYS:HB2	1:436:A:VAL:H	2	1.92
(1,1055)	1:435:A:LYS:HB3	1:436:A:VAL:H	2	1.92
(1,948)	1:461:A:ALA:HB1	1:462:A:ALA:H	9	1.92
(1,948)	1:461:A:ALA:HB2	1:462:A:ALA:H	9	1.92
(1,948)	1:461:A:ALA:HB3	1:462:A:ALA:H	9	1.92
(1,924)	1:455:A:ASN:H	1:455:A:ASN:HB3	1	1.92
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG12	20	1.92
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG13	20	1.92
(1,857)	1:409:A:ILE:HG21	1:410:A:TYR:H	17	1.92
(1,857)	1:409:A:ILE:HG22	1:410:A:TYR:H	17	1.92
(1,857)	1:409:A:ILE:HG23	1:410:A:TYR:H	17	1.92
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	4	1.92
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	4	1.92
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	4	1.92
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	4	1.92
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	4	1.92
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	4	1.92
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	4	1.92
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	4	1.92
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	4	1.92
(1,851)	1:405:A:ALA:HB1	1:406:A:ASN:H	15	1.92
(1,851)	1:405:A:ALA:HB2	1:406:A:ASN:H	15	1.92
(1,851)	1:405:A:ALA:HB3	1:406:A:ASN:H	15	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG21	17	1.92
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG22	17	1.92
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG23	17	1.92
(1,682)	1:442:A:THR:HB	1:443:A:ASN:H	1	1.92
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG2	10	1.92
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG3	10	1.92
(1,640)	1:466:A:MET:HG2	1:476:A:LEU:HG	3	1.92
(1,640)	1:466:A:MET:HG3	1:476:A:LEU:HG	3	1.92
(1,586)	1:427:A:PRO:HG2	1:428:A:PHE:H	2	1.92
(1,556)	1:424:A:MET:HB2	1:425:A:PHE:H	2	1.92
(1,556)	1:424:A:MET:HB3	1:425:A:PHE:H	2	1.92
(1,514)	1:455:A:ASN:H	1:455:A:ASN:HB3	1	1.92
(1,503)	1:410:A:TYR:HA	1:412:A:LEU:H	8	1.92
(1,495)	1:415:A:GLU:H	1:415:A:GLU:HB3	6	1.92
(1,475)	1:445:A:SER:H	1:445:A:SER:HB3	4	1.92
(1,471)	1:423:A:GLN:HB2	1:424:A:MET:H	3	1.92
(1,471)	1:423:A:GLN:HB3	1:424:A:MET:H	3	1.92
(1,452)	1:459:A:ALA:H	1:460:A:GLN:H	1	1.92
(1,444)	1:419:A:GLN:H	1:420:A:ASP:H	19	1.92
(1,419)	1:465:A:ALA:H	1:466:A:MET:H	5	1.92
(1,411)	1:440:A:LYS:H	1:441:A:GLN:H	12	1.92
(1,377)	1:443:A:ASN:H	1:444:A:LEU:H	5	1.92
(1,264)	1:409:A:ILE:H	1:450:A:PHE:HA	15	1.92
(1,238)	1:400:A:GLU:H	1:400:A:GLU:HB3	5	1.92
(1,238)	1:400:A:GLU:H	1:400:A:GLU:HB3	9	1.92
(1,238)	1:400:A:GLU:H	1:400:A:GLU:HB3	16	1.92
(1,237)	1:400:A:GLU:H	1:400:A:GLU:HG3	1	1.92
(1,237)	1:400:A:GLU:H	1:400:A:GLU:HG3	17	1.92
(1,232)	1:438:A:ILE:H	1:438:A:ILE:HB	10	1.92
(1,218)	1:461:A:ALA:HB1	1:462:A:ALA:H	9	1.92
(1,218)	1:461:A:ALA:HB2	1:462:A:ALA:H	9	1.92
(1,218)	1:461:A:ALA:HB3	1:462:A:ALA:H	9	1.92
(1,195)	1:435:A:LYS:HB2	1:436:A:VAL:H	1	1.92
(1,195)	1:435:A:LYS:HB3	1:436:A:VAL:H	1	1.92
(1,195)	1:435:A:LYS:HB2	1:436:A:VAL:H	2	1.92
(1,195)	1:435:A:LYS:HB3	1:436:A:VAL:H	2	1.92
(1,189)	1:460:A:GLN:HB2	1:461:A:ALA:H	8	1.92
(1,189)	1:460:A:GLN:HB3	1:461:A:ALA:H	8	1.92
(1,75)	1:446:A:LYS:H	1:447:A:CYS:H	10	1.92
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG2	6	1.92
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG3	6	1.92
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG2	10	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG3	10	1.92
(1,24)	1:426:A:MET:H	1:431:A:VAL:HA	1	1.92
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD1	2	1.91
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD2	2	1.91
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD1	2	1.91
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD2	2	1.91
(1,1503)	1:485:A:ASN:HA	1:485:A:ASN:HB2	13	1.91
(1,1503)	1:485:A:ASN:HA	1:485:A:ASN:HB2	19	1.91
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG2	12	1.91
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG3	12	1.91
(1,1455)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	4	1.91
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB1	12	1.91
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB2	12	1.91
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB3	12	1.91
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB1	12	1.91
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB2	12	1.91
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB3	12	1.91
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB1	12	1.91
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB2	12	1.91
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB3	12	1.91
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	5	1.91
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	5	1.91
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	5	1.91
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	5	1.91
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	5	1.91
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	5	1.91
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	5	1.91
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	5	1.91
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	5	1.91
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG11	16	1.91
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG12	16	1.91
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG13	16	1.91
(1,1324)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	10	1.91
(1,1324)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	10	1.91
(1,1324)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	10	1.91
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	5	1.91
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	5	1.91
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	5	1.91
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	5	1.91
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	5	1.91
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	5	1.91
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	5	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	5	1.91
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	5	1.91
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	12	1.91
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	12	1.91
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	12	1.91
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	12	1.91
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	12	1.91
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	12	1.91
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	12	1.91
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	12	1.91
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	12	1.91
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG21	10	1.91
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG22	10	1.91
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG23	10	1.91
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG2	12	1.91
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG3	12	1.91
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD11	7	1.91
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD12	7	1.91
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD13	7	1.91
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD21	7	1.91
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD22	7	1.91
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD23	7	1.91
(1,1223)	1:423:A:GLN:HB2	1:424:A:MET:H	15	1.91
(1,1223)	1:423:A:GLN:HB3	1:424:A:MET:H	15	1.91
(1,1206)	1:421:A:ILE:HB	1:421:A:ILE:HG12	6	1.91
(1,1206)	1:421:A:ILE:HB	1:421:A:ILE:HG12	10	1.91
(1,1198)	1:441:A:GLN:HB2	1:441:A:GLN:HG2	7	1.91
(1,1198)	1:441:A:GLN:HB2	1:441:A:GLN:HG2	11	1.91
(1,1198)	1:441:A:GLN:HB2	1:441:A:GLN:HG2	13	1.91
(1,1152)	1:400:A:GLU:HB3	1:400:A:GLU:HG3	14	1.91
(1,1152)	1:400:A:GLU:HB3	1:400:A:GLU:HG3	19	1.91
(1,1114)	1:414:A:GLN:HB2	1:414:A:GLN:HG2	16	1.91
(1,1114)	1:414:A:GLN:HB2	1:414:A:GLN:HG2	17	1.91
(1,1114)	1:414:A:GLN:HB2	1:414:A:GLN:HG2	18	1.91
(1,1110)	1:423:A:GLN:H	1:423:A:GLN:HG3	4	1.91
(1,1081)	1:422:A:LEU:HD11	1:423:A:GLN:HA	8	1.91
(1,1081)	1:422:A:LEU:HD12	1:423:A:GLN:HA	8	1.91
(1,1081)	1:422:A:LEU:HD13	1:423:A:GLN:HA	8	1.91
(1,1081)	1:422:A:LEU:HD21	1:423:A:GLN:HA	8	1.91
(1,1081)	1:422:A:LEU:HD22	1:423:A:GLN:HA	8	1.91
(1,1081)	1:422:A:LEU:HD23	1:423:A:GLN:HA	8	1.91
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	2	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	2	1.91
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	2	1.91
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	2	1.91
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	2	1.91
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	2	1.91
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	2	1.91
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	2	1.91
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	2	1.91
(1,1013)	1:463:A:ILE:HB	1:464:A:GLN:H	19	1.91
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD11	17	1.91
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD12	17	1.91
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD13	17	1.91
(1,963)	1:420:A:ASP:H	1:420:A:ASP:HB3	11	1.91
(1,924)	1:455:A:ASN:H	1:455:A:ASN:HB3	16	1.91
(1,923)	1:455:A:ASN:HB3	1:457:A:VAL:H	4	1.91
(1,837)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	10	1.91
(1,837)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	10	1.91
(1,837)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	10	1.91
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG21	4	1.91
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG22	4	1.91
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG23	4	1.91
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	12	1.91
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	12	1.91
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	12	1.91
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	12	1.91
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	12	1.91
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	12	1.91
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	12	1.91
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	12	1.91
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	12	1.91
(1,800)	1:465:A:ALA:HB1	1:466:A:MET:H	9	1.91
(1,800)	1:465:A:ALA:HB2	1:466:A:MET:H	9	1.91
(1,800)	1:465:A:ALA:HB3	1:466:A:MET:H	9	1.91
(1,800)	1:465:A:ALA:HB1	1:466:A:MET:H	20	1.91
(1,800)	1:465:A:ALA:HB2	1:466:A:MET:H	20	1.91
(1,800)	1:465:A:ALA:HB3	1:466:A:MET:H	20	1.91
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG21	10	1.91
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG22	10	1.91
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG23	10	1.91
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG11	15	1.91
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG12	15	1.91
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG13	15	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,682)	1:442:A:THR:HB	1:443:A:ASN:H	17	1.91
(1,656)	1:474:A:LYS:HA	1:474:A:LYS:HG2	19	1.91
(1,556)	1:424:A:MET:HB2	1:425:A:PHE:H	20	1.91
(1,556)	1:424:A:MET:HB3	1:425:A:PHE:H	20	1.91
(1,543)	1:454:A:ASP:H	1:454:A:ASP:HB2	11	1.91
(1,514)	1:455:A:ASN:H	1:455:A:ASN:HB3	16	1.91
(1,475)	1:445:A:SER:H	1:445:A:SER:HB3	13	1.91
(1,471)	1:423:A:GLN:HB2	1:424:A:MET:H	15	1.91
(1,471)	1:423:A:GLN:HB3	1:424:A:MET:H	15	1.91
(1,432)	1:463:A:ILE:HB	1:464:A:GLN:H	19	1.91
(1,386)	1:420:A:ASP:H	1:420:A:ASP:HB3	11	1.91
(1,377)	1:443:A:ASN:H	1:444:A:LEU:H	14	1.91
(1,319)	1:474:A:LYS:H	1:474:A:LYS:HB2	16	1.91
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB2	16	1.91
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB3	16	1.91
(1,237)	1:400:A:GLU:H	1:400:A:GLU:HG3	2	1.91
(1,224)	1:417:A:GLY:HA2	1:418:A:ASP:H	6	1.91
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD1	11	1.91
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD2	11	1.91
(1,100)	1:450:A:PHE:HD1	1:451:A:VAL:H	8	1.91
(1,100)	1:450:A:PHE:HD2	1:451:A:VAL:H	8	1.91
(1,100)	1:450:A:PHE:HD1	1:451:A:VAL:H	16	1.91
(1,100)	1:450:A:PHE:HD2	1:451:A:VAL:H	16	1.91
(1,99)	1:407:A:LEU:H	1:451:A:VAL:H	10	1.91
(1,1590)	1:411:A:HIS:HB2	1:411:A:HIS:HD2	13	1.9
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	6	1.9
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	6	1.9
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	6	1.9
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	6	1.9
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	6	1.9
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	6	1.9
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD1	12	1.9
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD2	12	1.9
(1,1455)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	8	1.9
(1,1455)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	15	1.9
(1,1454)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	10	1.9
(1,1454)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	12	1.9
(1,1454)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	17	1.9
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB1	10	1.9
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB2	10	1.9
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB3	10	1.9
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB1	10	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB2	10	1.9
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB3	10	1.9
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB1	10	1.9
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB2	10	1.9
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB3	10	1.9
(1,1358)	1:475:A:ARG:HB2	1:475:A:ARG:HD3	6	1.9
(1,1358)	1:475:A:ARG:HB3	1:475:A:ARG:HD3	6	1.9
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG11	2	1.9
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG12	2	1.9
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG13	2	1.9
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG11	18	1.9
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG12	18	1.9
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG13	18	1.9
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG21	16	1.9
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG22	16	1.9
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG23	16	1.9
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD11	5	1.9
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD12	5	1.9
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD13	5	1.9
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD21	5	1.9
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD22	5	1.9
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD23	5	1.9
(1,1206)	1:421:A:ILE:HB	1:421:A:ILE:HG12	1	1.9
(1,1206)	1:421:A:ILE:HB	1:421:A:ILE:HG12	4	1.9
(1,1206)	1:421:A:ILE:HB	1:421:A:ILE:HG12	17	1.9
(1,1172)	1:457:A:VAL:H	1:457:A:VAL:HB	4	1.9
(1,1152)	1:400:A:GLU:HB3	1:400:A:GLU:HG3	1	1.9
(1,1152)	1:400:A:GLU:HB3	1:400:A:GLU:HG3	2	1.9
(1,1152)	1:400:A:GLU:HB3	1:400:A:GLU:HG3	3	1.9
(1,1152)	1:400:A:GLU:HB3	1:400:A:GLU:HG3	5	1.9
(1,1152)	1:400:A:GLU:HB3	1:400:A:GLU:HG3	6	1.9
(1,1152)	1:400:A:GLU:HB3	1:400:A:GLU:HG3	8	1.9
(1,1152)	1:400:A:GLU:HB3	1:400:A:GLU:HG3	9	1.9
(1,1152)	1:400:A:GLU:HB3	1:400:A:GLU:HG3	11	1.9
(1,1152)	1:400:A:GLU:HB3	1:400:A:GLU:HG3	15	1.9
(1,1152)	1:400:A:GLU:HB3	1:400:A:GLU:HG3	16	1.9
(1,1152)	1:400:A:GLU:HB3	1:400:A:GLU:HG3	17	1.9
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG2	3	1.9
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG3	3	1.9
(1,1114)	1:414:A:GLN:HB2	1:414:A:GLN:HG2	4	1.9
(1,1114)	1:414:A:GLN:HB2	1:414:A:GLN:HG2	10	1.9
(1,1114)	1:414:A:GLN:HB2	1:414:A:GLN:HG2	12	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1114)	1:414:A:GLN:HB2	1:414:A:GLN:HG2	13	1.9
(1,1114)	1:414:A:GLN:HB2	1:414:A:GLN:HG2	14	1.9
(1,1114)	1:414:A:GLN:HB2	1:414:A:GLN:HG2	15	1.9
(1,1114)	1:414:A:GLN:HB2	1:414:A:GLN:HG2	19	1.9
(1,1101)	1:477:A:LYS:HB2	1:478:A:VAL:H	6	1.9
(1,1101)	1:477:A:LYS:HB3	1:478:A:VAL:H	6	1.9
(1,1081)	1:422:A:LEU:HD11	1:423:A:GLN:HA	18	1.9
(1,1081)	1:422:A:LEU:HD12	1:423:A:GLN:HA	18	1.9
(1,1081)	1:422:A:LEU:HD13	1:423:A:GLN:HA	18	1.9
(1,1081)	1:422:A:LEU:HD21	1:423:A:GLN:HA	18	1.9
(1,1081)	1:422:A:LEU:HD22	1:423:A:GLN:HA	18	1.9
(1,1081)	1:422:A:LEU:HD23	1:423:A:GLN:HA	18	1.9
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG2	12	1.9
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG3	12	1.9
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD11	7	1.9
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD12	7	1.9
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD13	7	1.9
(1,932)	1:421:A:ILE:HG21	1:422:A:LEU:H	20	1.9
(1,932)	1:421:A:ILE:HG22	1:422:A:LEU:H	20	1.9
(1,932)	1:421:A:ILE:HG23	1:422:A:LEU:H	20	1.9
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	12	1.9
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	12	1.9
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	9	1.9
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	9	1.9
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	9	1.9
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	9	1.9
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	9	1.9
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	9	1.9
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	9	1.9
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	9	1.9
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	9	1.9
(1,824)	1:436:A:VAL:HG11	1:437:A:PHE:H	16	1.9
(1,824)	1:436:A:VAL:HG12	1:437:A:PHE:H	16	1.9
(1,824)	1:436:A:VAL:HG13	1:437:A:PHE:H	16	1.9
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG21	16	1.9
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG22	16	1.9
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG23	16	1.9
(1,720)	1:444:A:LEU:HD11	1:445:A:SER:H	11	1.9
(1,720)	1:444:A:LEU:HD12	1:445:A:SER:H	11	1.9
(1,720)	1:444:A:LEU:HD13	1:445:A:SER:H	11	1.9
(1,720)	1:444:A:LEU:HD21	1:445:A:SER:H	11	1.9
(1,720)	1:444:A:LEU:HD22	1:445:A:SER:H	11	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,720)	1:444:A:LEU:HD23	1:445:A:SER:H	11	1.9
(1,640)	1:466:A:MET:HG2	1:476:A:LEU:HG	15	1.9
(1,640)	1:466:A:MET:HG3	1:476:A:LEU:HG	15	1.9
(1,597)	1:441:A:GLN:HB3	1:442:A:THR:H	12	1.9
(1,547)	1:404:A:GLY:H	1:405:A:ALA:H	15	1.9
(1,534)	1:453:A:TYR:HD1	1:454:A:ASP:H	11	1.9
(1,534)	1:453:A:TYR:HD2	1:454:A:ASP:H	11	1.9
(1,495)	1:415:A:GLU:H	1:415:A:GLU:HB3	3	1.9
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG2	12	1.9
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG3	12	1.9
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD11	20	1.9
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD12	20	1.9
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD13	20	1.9
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD21	20	1.9
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD22	20	1.9
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD23	20	1.9
(1,479)	1:444:A:LEU:HD11	1:445:A:SER:H	11	1.9
(1,479)	1:444:A:LEU:HD12	1:445:A:SER:H	11	1.9
(1,479)	1:444:A:LEU:HD13	1:445:A:SER:H	11	1.9
(1,479)	1:444:A:LEU:HD21	1:445:A:SER:H	11	1.9
(1,479)	1:444:A:LEU:HD22	1:445:A:SER:H	11	1.9
(1,479)	1:444:A:LEU:HD23	1:445:A:SER:H	11	1.9
(1,411)	1:440:A:LYS:H	1:441:A:GLN:H	16	1.9
(1,373)	1:457:A:VAL:HB	1:458:A:SER:H	2	1.9
(1,372)	1:458:A:SER:H	1:458:A:SER:HB2	9	1.9
(1,321)	1:433:A:SER:H	1:452:A:SER:H	4	1.9
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB2	20	1.9
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB3	20	1.9
(1,273)	1:457:A:VAL:H	1:457:A:VAL:HB	4	1.9
(1,253)	1:453:A:TYR:H	1:453:A:TYR:HB3	9	1.9
(1,237)	1:400:A:GLU:H	1:400:A:GLU:HG3	14	1.9
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG12	7	1.9
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG13	7	1.9
(1,226)	1:418:A:ASP:H	1:418:A:ASP:HB3	7	1.9
(1,226)	1:418:A:ASP:H	1:418:A:ASP:HB3	18	1.9
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD1	13	1.9
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD2	13	1.9
(1,136)	1:421:A:ILE:HG21	1:422:A:LEU:H	20	1.9
(1,136)	1:421:A:ILE:HG22	1:422:A:LEU:H	20	1.9
(1,136)	1:421:A:ILE:HG23	1:422:A:LEU:H	20	1.9
(1,116)	1:490:A:TYR:H	1:490:A:TYR:HB2	11	1.9
(1,84)	1:406:A:ASN:H	1:481:A:LYS:H	20	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,64)	1:436:A:VAL:HG11	1:437:A:PHE:H	16	1.9
(1,64)	1:436:A:VAL:HG12	1:437:A:PHE:H	16	1.9
(1,64)	1:436:A:VAL:HG13	1:437:A:PHE:H	16	1.9
(1,39)	1:477:A:LYS:HB2	1:478:A:VAL:H	6	1.9
(1,39)	1:477:A:LYS:HB3	1:478:A:VAL:H	6	1.9
(1,26)	1:426:A:MET:H	1:426:A:MET:HG2	17	1.9
(1,26)	1:426:A:MET:H	1:426:A:MET:HG3	17	1.9
(1,24)	1:426:A:MET:H	1:431:A:VAL:HA	11	1.9
(1,24)	1:426:A:MET:H	1:431:A:VAL:HA	18	1.9
(1,20)	1:425:A:PHE:H	1:426:A:MET:H	4	1.9
(1,20)	1:425:A:PHE:H	1:426:A:MET:H	8	1.9
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	4	1.89
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	4	1.89
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	4	1.89
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	4	1.89
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	4	1.89
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	4	1.89
(1,1591)	1:411:A:HIS:HB3	1:411:A:HIS:HD2	12	1.89
(1,1591)	1:411:A:HIS:HB3	1:411:A:HIS:HD2	17	1.89
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD1	8	1.89
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD2	8	1.89
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD1	4	1.89
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD2	4	1.89
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD1	14	1.89
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD2	14	1.89
(1,1537)	1:448:A:PHE:HD1	1:449:A:GLY:H	6	1.89
(1,1537)	1:448:A:PHE:HD2	1:449:A:GLY:H	6	1.89
(1,1496)	1:486:A:ASP:HA	1:486:A:ASP:HB3	19	1.89
(1,1495)	1:486:A:ASP:HA	1:486:A:ASP:HB2	3	1.89
(1,1495)	1:486:A:ASP:HA	1:486:A:ASP:HB2	14	1.89
(1,1495)	1:486:A:ASP:HA	1:486:A:ASP:HB2	17	1.89
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG2	20	1.89
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG3	20	1.89
(1,1455)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	2	1.89
(1,1455)	1:441:A:GLN:HB3	1:441:A:GLN:HG2	20	1.89
(1,1454)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	1	1.89
(1,1454)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	6	1.89
(1,1454)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	9	1.89
(1,1454)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	11	1.89
(1,1454)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	13	1.89
(1,1454)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	16	1.89
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG21	13	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG22	13	1.89
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG23	13	1.89
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG21	16	1.89
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG22	16	1.89
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG23	16	1.89
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG11	11	1.89
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG12	11	1.89
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG13	11	1.89
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG11	11	1.89
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG12	11	1.89
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG13	11	1.89
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG21	1	1.89
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG22	1	1.89
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG23	1	1.89
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD11	12	1.89
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD12	12	1.89
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD13	12	1.89
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD21	12	1.89
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD22	12	1.89
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD23	12	1.89
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD11	20	1.89
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD12	20	1.89
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD13	20	1.89
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD21	20	1.89
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD22	20	1.89
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD23	20	1.89
(1,1206)	1:421:A:ILE:HB	1:421:A:ILE:HG12	7	1.89
(1,1206)	1:421:A:ILE:HB	1:421:A:ILE:HG12	8	1.89
(1,1200)	1:398:A:GLN:HB2	1:399:A:LYS:H	5	1.89
(1,1200)	1:398:A:GLN:HB3	1:399:A:LYS:H	5	1.89
(1,1198)	1:441:A:GLN:HB2	1:441:A:GLN:HG2	9	1.89
(1,1170)	1:486:A:ASP:HA	1:486:A:ASP:HB3	19	1.89
(1,1152)	1:400:A:GLU:HB3	1:400:A:GLU:HG3	7	1.89
(1,1152)	1:400:A:GLU:HB3	1:400:A:GLU:HG3	18	1.89
(1,1152)	1:400:A:GLU:HB3	1:400:A:GLU:HG3	20	1.89
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG2	17	1.89
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG3	17	1.89
(1,1114)	1:414:A:GLN:HB2	1:414:A:GLN:HG2	1	1.89
(1,1114)	1:414:A:GLN:HB2	1:414:A:GLN:HG2	2	1.89
(1,1114)	1:414:A:GLN:HB2	1:414:A:GLN:HG2	3	1.89
(1,1114)	1:414:A:GLN:HB2	1:414:A:GLN:HG2	5	1.89
(1,1114)	1:414:A:GLN:HB2	1:414:A:GLN:HG2	6	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1114)	1:414:A:GLN:HB2	1:414:A:GLN:HG2	7	1.89
(1,1114)	1:414:A:GLN:HB2	1:414:A:GLN:HG2	8	1.89
(1,1110)	1:423:A:GLN:H	1:423:A:GLN:HG3	16	1.89
(1,1102)	1:441:A:GLN:HB2	1:441:A:GLN:HG3	18	1.89
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	9	1.89
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	9	1.89
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	9	1.89
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	9	1.89
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	9	1.89
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	9	1.89
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	19	1.89
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	19	1.89
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	19	1.89
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	19	1.89
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	19	1.89
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	19	1.89
(1,1023)	1:421:A:ILE:HB	1:422:A:LEU:H	10	1.89
(1,998)	1:485:A:ASN:HB3	1:486:A:ASP:H	6	1.89
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD11	6	1.89
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD12	6	1.89
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD13	6	1.89
(1,944)	1:409:A:ILE:H	1:409:A:ILE:HB	12	1.89
(1,857)	1:409:A:ILE:HG21	1:410:A:TYR:H	8	1.89
(1,857)	1:409:A:ILE:HG22	1:410:A:TYR:H	8	1.89
(1,857)	1:409:A:ILE:HG23	1:410:A:TYR:H	8	1.89
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG21	1	1.89
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG22	1	1.89
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG23	1	1.89
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG11	15	1.89
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG12	15	1.89
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG13	15	1.89
(1,720)	1:444:A:LEU:HD11	1:445:A:SER:H	17	1.89
(1,720)	1:444:A:LEU:HD12	1:445:A:SER:H	17	1.89
(1,720)	1:444:A:LEU:HD13	1:445:A:SER:H	17	1.89
(1,720)	1:444:A:LEU:HD21	1:445:A:SER:H	17	1.89
(1,720)	1:444:A:LEU:HD22	1:445:A:SER:H	17	1.89
(1,720)	1:444:A:LEU:HD23	1:445:A:SER:H	17	1.89
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD11	12	1.89
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD12	12	1.89
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD13	12	1.89
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD21	12	1.89
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD22	12	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD23	12	1.89
(1,679)	1:477:A:LYS:HG2	1:478:A:VAL:H	2	1.89
(1,679)	1:477:A:LYS:HG3	1:478:A:VAL:H	2	1.89
(1,547)	1:404:A:GLY:H	1:405:A:ALA:H	9	1.89
(1,493)	1:413:A:PRO:HB2	1:415:A:GLU:H	2	1.89
(1,493)	1:413:A:PRO:HB3	1:415:A:GLU:H	2	1.89
(1,493)	1:413:A:PRO:HB2	1:415:A:GLU:H	18	1.89
(1,493)	1:413:A:PRO:HB3	1:415:A:GLU:H	18	1.89
(1,479)	1:444:A:LEU:HD11	1:445:A:SER:H	17	1.89
(1,479)	1:444:A:LEU:HD12	1:445:A:SER:H	17	1.89
(1,479)	1:444:A:LEU:HD13	1:445:A:SER:H	17	1.89
(1,479)	1:444:A:LEU:HD21	1:445:A:SER:H	17	1.89
(1,479)	1:444:A:LEU:HD22	1:445:A:SER:H	17	1.89
(1,479)	1:444:A:LEU:HD23	1:445:A:SER:H	17	1.89
(1,419)	1:465:A:ALA:H	1:466:A:MET:H	3	1.89
(1,414)	1:441:A:GLN:H	1:441:A:GLN:HG3	6	1.89
(1,411)	1:440:A:LYS:H	1:441:A:GLN:H	13	1.89
(1,319)	1:474:A:LYS:H	1:474:A:LYS:HB2	7	1.89
(1,319)	1:474:A:LYS:H	1:474:A:LYS:HB2	15	1.89
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB2	14	1.89
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB3	14	1.89
(1,238)	1:400:A:GLU:H	1:400:A:GLU:HB3	3	1.89
(1,232)	1:438:A:ILE:H	1:438:A:ILE:HB	13	1.89
(1,224)	1:417:A:GLY:HA2	1:418:A:ASP:H	8	1.89
(1,222)	1:418:A:ASP:H	1:419:A:GLN:H	3	1.89
(1,222)	1:418:A:ASP:H	1:419:A:GLN:H	7	1.89
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD1	2	1.89
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD2	2	1.89
(1,182)	1:422:A:LEU:H	1:422:A:LEU:HB2	5	1.89
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD11	9	1.89
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD12	9	1.89
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD13	9	1.89
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD21	9	1.89
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD22	9	1.89
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD23	9	1.89
(1,130)	1:469:A:PHE:H	1:469:A:PHE:HB2	16	1.89
(1,100)	1:450:A:PHE:HD1	1:451:A:VAL:H	20	1.89
(1,100)	1:450:A:PHE:HD2	1:451:A:VAL:H	20	1.89
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	4	1.88
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	4	1.88
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	4	1.88
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	4	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	4	1.88
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	4	1.88
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	4	1.88
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	4	1.88
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	4	1.88
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	4	1.88
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	4	1.88
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	4	1.88
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD1	7	1.88
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD2	7	1.88
(1,1537)	1:448:A:PHE:HD1	1:449:A:GLY:H	8	1.88
(1,1537)	1:448:A:PHE:HD2	1:449:A:GLY:H	8	1.88
(1,1496)	1:486:A:ASP:HA	1:486:A:ASP:HB3	12	1.88
(1,1495)	1:486:A:ASP:HA	1:486:A:ASP:HB2	9	1.88
(1,1495)	1:486:A:ASP:HA	1:486:A:ASP:HB2	20	1.88
(1,1460)	1:423:A:GLN:HA	1:423:A:GLN:HG3	20	1.88
(1,1454)	1:441:A:GLN:HB3	1:441:A:GLN:HG3	7	1.88
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG21	14	1.88
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG22	14	1.88
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG23	14	1.88
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	2	1.88
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	2	1.88
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	2	1.88
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG11	14	1.88
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG12	14	1.88
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG13	14	1.88
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG11	8	1.88
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG12	8	1.88
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG13	8	1.88
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG11	12	1.88
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG12	12	1.88
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG13	12	1.88
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	4	1.88
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	4	1.88
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	4	1.88
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	4	1.88
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	4	1.88
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	4	1.88
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	4	1.88
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	4	1.88
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	4	1.88
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	4	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	4	1.88
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	4	1.88
(1,1232)	1:419:A:GLN:HB3	1:420:A:ASP:H	14	1.88
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG2	8	1.88
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG3	8	1.88
(1,1198)	1:441:A:GLN:HB2	1:441:A:GLN:HG2	1	1.88
(1,1170)	1:486:A:ASP:HA	1:486:A:ASP:HB3	12	1.88
(1,1166)	1:400:A:GLU:HB2	1:401:A:GLY:H	18	1.88
(1,1152)	1:400:A:GLU:HB3	1:400:A:GLU:HG3	10	1.88
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG2	14	1.88
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG3	14	1.88
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG2	20	1.88
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG3	20	1.88
(1,1121)	1:410:A:TYR:HA	1:449:A:GLY:H	9	1.88
(1,1112)	1:423:A:GLN:HA	1:423:A:GLN:HG3	20	1.88
(1,1103)	1:441:A:GLN:HA	1:441:A:GLN:HG3	7	1.88
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	3	1.88
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	3	1.88
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	3	1.88
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	3	1.88
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	3	1.88
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	3	1.88
(1,1013)	1:463:A:ILE:HB	1:464:A:GLN:H	8	1.88
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB1	3	1.88
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB2	3	1.88
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB3	3	1.88
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD1	20	1.88
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD2	20	1.88
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD1	20	1.88
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD2	20	1.88
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	19	1.88
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	19	1.88
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	19	1.88
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	19	1.88
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	19	1.88
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	19	1.88
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	19	1.88
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	19	1.88
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	19	1.88
(1,836)	1:444:A:LEU:HB3	1:445:A:SER:H	10	1.88
(1,762)	1:457:A:VAL:HG11	1:458:A:SER:H	12	1.88
(1,762)	1:457:A:VAL:HG12	1:458:A:SER:H	12	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,762)	1:457:A:VAL:HG13	1:458:A:SER:H	12	1.88
(1,762)	1:457:A:VAL:HG21	1:458:A:SER:H	12	1.88
(1,762)	1:457:A:VAL:HG22	1:458:A:SER:H	12	1.88
(1,762)	1:457:A:VAL:HG23	1:458:A:SER:H	12	1.88
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG21	17	1.88
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG22	17	1.88
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG23	17	1.88
(1,590)	1:410:A:TYR:HA	1:449:A:GLY:H	9	1.88
(1,582)	1:400:A:GLU:HB2	1:401:A:GLY:H	18	1.88
(1,556)	1:424:A:MET:HB2	1:425:A:PHE:H	13	1.88
(1,556)	1:424:A:MET:HB3	1:425:A:PHE:H	13	1.88
(1,547)	1:404:A:GLY:H	1:405:A:ALA:H	7	1.88
(1,503)	1:410:A:TYR:HA	1:412:A:LEU:H	7	1.88
(1,495)	1:415:A:GLU:H	1:415:A:GLU:HB3	4	1.88
(1,495)	1:415:A:GLU:H	1:415:A:GLU:HB3	19	1.88
(1,477)	1:444:A:LEU:HB3	1:445:A:SER:H	10	1.88
(1,432)	1:463:A:ILE:HB	1:464:A:GLN:H	8	1.88
(1,429)	1:463:A:ILE:H	1:464:A:GLN:H	18	1.88
(1,411)	1:440:A:LYS:H	1:441:A:GLN:H	17	1.88
(1,411)	1:440:A:LYS:H	1:441:A:GLN:H	19	1.88
(1,387)	1:419:A:GLN:HB3	1:420:A:ASP:H	14	1.88
(1,377)	1:443:A:ASN:H	1:444:A:LEU:H	17	1.88
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG21	17	1.88
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG22	17	1.88
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG23	17	1.88
(1,319)	1:474:A:LYS:H	1:474:A:LYS:HB2	5	1.88
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG2	8	1.88
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG3	8	1.88
(1,300)	1:405:A:ALA:H	1:456:A:PRO:HD3	7	1.88
(1,226)	1:418:A:ASP:H	1:418:A:ASP:HB3	4	1.88
(1,224)	1:417:A:GLY:HA2	1:418:A:ASP:H	9	1.88
(1,130)	1:469:A:PHE:H	1:469:A:PHE:HB2	17	1.88
(1,53)	1:471:A:ILE:H	1:471:A:ILE:HB	8	1.88
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG2	1	1.88
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG3	1	1.88
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	20	1.87
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	20	1.87
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	20	1.87
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	20	1.87
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	20	1.87
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	20	1.87
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	20	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	20	1.87
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	20	1.87
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	20	1.87
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	20	1.87
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	20	1.87
(1,1591)	1:411:A:HIS:HB3	1:411:A:HIS:HD2	20	1.87
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD1	11	1.87
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD2	11	1.87
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD1	13	1.87
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD2	13	1.87
(1,1495)	1:486:A:ASP:HA	1:486:A:ASP:HB2	1	1.87
(1,1495)	1:486:A:ASP:HA	1:486:A:ASP:HB2	11	1.87
(1,1495)	1:486:A:ASP:HA	1:486:A:ASP:HB2	15	1.87
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD11	19	1.87
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD12	19	1.87
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD13	19	1.87
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE1	18	1.87
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE2	18	1.87
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE3	18	1.87
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD1	4	1.87
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD2	4	1.87
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG11	9	1.87
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG12	9	1.87
(1,1316)	1:478:A:VAL:HA	1:478:A:VAL:HG13	9	1.87
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	20	1.87
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	20	1.87
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	20	1.87
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	20	1.87
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	20	1.87
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	20	1.87
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	20	1.87
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	20	1.87
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	20	1.87
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	20	1.87
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	20	1.87
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	20	1.87
(1,1162)	1:453:A:TYR:HD1	1:459:A:ALA:HA	13	1.87
(1,1162)	1:453:A:TYR:HD2	1:459:A:ALA:HA	13	1.87
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG2	18	1.87
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG3	18	1.87
(1,1032)	1:430:A:ASN:HB2	1:454:A:ASP:H	9	1.87
(1,1032)	1:430:A:ASN:HB3	1:454:A:ASP:H	9	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB1	5	1.87
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB2	5	1.87
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB3	5	1.87
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD11	19	1.87
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD12	19	1.87
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD13	19	1.87
(1,936)	1:459:A:ALA:HB1	1:460:A:GLN:H	19	1.87
(1,936)	1:459:A:ALA:HB2	1:460:A:GLN:H	19	1.87
(1,936)	1:459:A:ALA:HB3	1:460:A:GLN:H	19	1.87
(1,924)	1:455:A:ASN:H	1:455:A:ASN:HB3	6	1.87
(1,891)	1:439:A:ASP:HB3	1:444:A:LEU:H	15	1.87
(1,880)	1:480:A:LEU:HB2	1:481:A:LYS:H	6	1.87
(1,880)	1:480:A:LEU:HB3	1:481:A:LYS:H	6	1.87
(1,851)	1:405:A:ALA:HB1	1:406:A:ASN:H	5	1.87
(1,851)	1:405:A:ALA:HB2	1:406:A:ASN:H	5	1.87
(1,851)	1:405:A:ALA:HB3	1:406:A:ASN:H	5	1.87
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	17	1.87
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	17	1.87
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	17	1.87
(1,720)	1:444:A:LEU:HD11	1:445:A:SER:H	6	1.87
(1,720)	1:444:A:LEU:HD12	1:445:A:SER:H	6	1.87
(1,720)	1:444:A:LEU:HD13	1:445:A:SER:H	6	1.87
(1,720)	1:444:A:LEU:HD21	1:445:A:SER:H	6	1.87
(1,720)	1:444:A:LEU:HD22	1:445:A:SER:H	6	1.87
(1,720)	1:444:A:LEU:HD23	1:445:A:SER:H	6	1.87
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG21	2	1.87
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG22	2	1.87
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG23	2	1.87
(1,599)	1:428:A:PHE:H	1:429:A:GLY:H	17	1.87
(1,547)	1:404:A:GLY:H	1:405:A:ALA:H	14	1.87
(1,514)	1:455:A:ASN:H	1:455:A:ASN:HB3	6	1.87
(1,493)	1:413:A:PRO:HB2	1:415:A:GLU:H	20	1.87
(1,493)	1:413:A:PRO:HB3	1:415:A:GLU:H	20	1.87
(1,479)	1:444:A:LEU:HD11	1:445:A:SER:H	6	1.87
(1,479)	1:444:A:LEU:HD12	1:445:A:SER:H	6	1.87
(1,479)	1:444:A:LEU:HD13	1:445:A:SER:H	6	1.87
(1,479)	1:444:A:LEU:HD21	1:445:A:SER:H	6	1.87
(1,479)	1:444:A:LEU:HD22	1:445:A:SER:H	6	1.87
(1,479)	1:444:A:LEU:HD23	1:445:A:SER:H	6	1.87
(1,452)	1:459:A:ALA:H	1:460:A:GLN:H	20	1.87
(1,451)	1:460:A:GLN:H	1:480:A:LEU:HG	3	1.87
(1,428)	1:442:A:THR:HA	1:443:A:ASN:H	20	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,416)	1:440:A:LYS:HB2	1:441:A:GLN:H	1	1.87
(1,416)	1:440:A:LYS:HB3	1:441:A:GLN:H	1	1.87
(1,413)	1:441:A:GLN:H	1:442:A:THR:H	13	1.87
(1,411)	1:440:A:LYS:H	1:441:A:GLN:H	9	1.87
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG21	2	1.87
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG22	2	1.87
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG23	2	1.87
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB2	5	1.87
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB3	5	1.87
(1,288)	1:450:A:PHE:H	1:450:A:PHE:HB3	3	1.87
(1,192)	1:418:A:ASP:HB2	1:436:A:VAL:H	4	1.87
(1,189)	1:460:A:GLN:HB2	1:461:A:ALA:H	10	1.87
(1,189)	1:460:A:GLN:HB3	1:461:A:ALA:H	10	1.87
(1,121)	1:473:A:MET:H	1:473:A:MET:HG2	20	1.87
(1,55)	1:471:A:ILE:H	1:475:A:ARG:HA	18	1.87
(1,24)	1:426:A:MET:H	1:431:A:VAL:HA	20	1.87
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD1	6	1.86
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD2	6	1.86
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	18	1.86
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	18	1.86
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	18	1.86
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	18	1.86
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	18	1.86
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	18	1.86
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD1	3	1.86
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD2	3	1.86
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD1	7	1.86
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD2	7	1.86
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD1	15	1.86
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD2	15	1.86
(1,1496)	1:486:A:ASP:HA	1:486:A:ASP:HB3	6	1.86
(1,1495)	1:486:A:ASP:HA	1:486:A:ASP:HB2	5	1.86
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG2	5	1.86
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG3	5	1.86
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	6	1.86
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	6	1.86
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	6	1.86
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	6	1.86
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	6	1.86
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	6	1.86
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	6	1.86
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	6	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	6	1.86
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD11	12	1.86
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD12	12	1.86
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD13	12	1.86
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD11	12	1.86
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD12	12	1.86
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD13	12	1.86
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD11	12	1.86
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD12	12	1.86
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD13	12	1.86
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD11	12	1.86
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD12	12	1.86
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD13	12	1.86
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD11	12	1.86
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD12	12	1.86
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD13	12	1.86
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD11	12	1.86
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD12	12	1.86
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD13	12	1.86
(1,1342)	1:405:A:ALA:HB1	1:453:A:TYR:HB3	3	1.86
(1,1342)	1:405:A:ALA:HB2	1:453:A:TYR:HB3	3	1.86
(1,1342)	1:405:A:ALA:HB3	1:453:A:TYR:HB3	3	1.86
(1,1342)	1:405:A:ALA:HB1	1:453:A:TYR:HB3	8	1.86
(1,1342)	1:405:A:ALA:HB2	1:453:A:TYR:HB3	8	1.86
(1,1342)	1:405:A:ALA:HB3	1:453:A:TYR:HB3	8	1.86
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG21	4	1.86
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG22	4	1.86
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG23	4	1.86
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG21	5	1.86
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG22	5	1.86
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG23	5	1.86
(1,1253)	1:444:A:LEU:HA	1:444:A:LEU:HG	10	1.86
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD11	10	1.86
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD12	10	1.86
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD13	10	1.86
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD21	10	1.86
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD22	10	1.86
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD23	10	1.86
(1,1232)	1:419:A:GLN:HB3	1:420:A:ASP:H	20	1.86
(1,1228)	1:455:A:ASN:HA	1:456:A:PRO:HD3	4	1.86
(1,1170)	1:486:A:ASP:HA	1:486:A:ASP:HB3	6	1.86
(1,1166)	1:400:A:GLU:HB2	1:401:A:GLY:H	12	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG2	4	1.86
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG3	4	1.86
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	7	1.86
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	7	1.86
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	7	1.86
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	7	1.86
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	7	1.86
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	7	1.86
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	7	1.86
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	7	1.86
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	7	1.86
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	6	1.86
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	6	1.86
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	6	1.86
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	6	1.86
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	6	1.86
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	6	1.86
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	6	1.86
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	6	1.86
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	6	1.86
(1,1042)	1:416:A:PHE:HD1	1:421:A:ILE:HD11	12	1.86
(1,1042)	1:416:A:PHE:HD1	1:421:A:ILE:HD12	12	1.86
(1,1042)	1:416:A:PHE:HD1	1:421:A:ILE:HD13	12	1.86
(1,1042)	1:416:A:PHE:HD2	1:421:A:ILE:HD11	12	1.86
(1,1042)	1:416:A:PHE:HD2	1:421:A:ILE:HD12	12	1.86
(1,1042)	1:416:A:PHE:HD2	1:421:A:ILE:HD13	12	1.86
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	18	1.86
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	18	1.86
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	18	1.86
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	18	1.86
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	18	1.86
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	18	1.86
(1,1023)	1:421:A:ILE:HB	1:422:A:LEU:H	6	1.86
(1,1013)	1:463:A:ILE:HB	1:464:A:GLN:H	17	1.86
(1,964)	1:420:A:ASP:H	1:420:A:ASP:HB2	7	1.86
(1,891)	1:439:A:ASP:HB3	1:444:A:LEU:H	11	1.86
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD2	12	1.86
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD3	12	1.86
(1,857)	1:409:A:ILE:HG21	1:410:A:TYR:H	6	1.86
(1,857)	1:409:A:ILE:HG22	1:410:A:TYR:H	6	1.86
(1,857)	1:409:A:ILE:HG23	1:410:A:TYR:H	6	1.86
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	5	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	5	1.86
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	5	1.86
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	5	1.86
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	5	1.86
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	5	1.86
(1,851)	1:405:A:ALA:HB1	1:406:A:ASN:H	6	1.86
(1,851)	1:405:A:ALA:HB2	1:406:A:ASN:H	6	1.86
(1,851)	1:405:A:ALA:HB3	1:406:A:ASN:H	6	1.86
(1,851)	1:405:A:ALA:HB1	1:406:A:ASN:H	17	1.86
(1,851)	1:405:A:ALA:HB2	1:406:A:ASN:H	17	1.86
(1,851)	1:405:A:ALA:HB3	1:406:A:ASN:H	17	1.86
(1,851)	1:405:A:ALA:HB1	1:406:A:ASN:H	20	1.86
(1,851)	1:405:A:ALA:HB2	1:406:A:ASN:H	20	1.86
(1,851)	1:405:A:ALA:HB3	1:406:A:ASN:H	20	1.86
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG21	4	1.86
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG22	4	1.86
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG23	4	1.86
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG21	5	1.86
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG22	5	1.86
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG23	5	1.86
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG11	5	1.86
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG12	5	1.86
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG13	5	1.86
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG21	18	1.86
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG22	18	1.86
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG23	18	1.86
(1,672)	1:444:A:LEU:H	1:444:A:LEU:HG	4	1.86
(1,599)	1:428:A:PHE:H	1:429:A:GLY:H	2	1.86
(1,582)	1:400:A:GLU:HB2	1:401:A:GLY:H	12	1.86
(1,547)	1:404:A:GLY:H	1:405:A:ALA:H	10	1.86
(1,512)	1:454:A:ASP:HB3	1:455:A:ASN:H	7	1.86
(1,495)	1:415:A:GLU:H	1:415:A:GLU:HB3	20	1.86
(1,432)	1:463:A:ILE:HB	1:464:A:GLN:H	17	1.86
(1,428)	1:442:A:THR:HA	1:443:A:ASN:H	13	1.86
(1,419)	1:465:A:ALA:H	1:466:A:MET:H	12	1.86
(1,419)	1:465:A:ALA:H	1:466:A:MET:H	13	1.86
(1,388)	1:420:A:ASP:H	1:420:A:ASP:HB2	7	1.86
(1,387)	1:419:A:GLN:HB3	1:420:A:ASP:H	20	1.86
(1,384)	1:444:A:LEU:H	1:444:A:LEU:HG	4	1.86
(1,377)	1:443:A:ASN:H	1:444:A:LEU:H	15	1.86
(1,371)	1:458:A:SER:H	1:458:A:SER:HB3	2	1.86
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG21	18	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG22	18	1.86
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG23	18	1.86
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD1	6	1.86
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD2	6	1.86
(1,319)	1:474:A:LYS:H	1:474:A:LYS:HB2	11	1.86
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB2	6	1.86
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB3	6	1.86
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB2	8	1.86
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB3	8	1.86
(1,226)	1:418:A:ASP:H	1:418:A:ASP:HB3	2	1.86
(1,226)	1:418:A:ASP:H	1:418:A:ASP:HB3	17	1.86
(1,224)	1:417:A:GLY:HA2	1:418:A:ASP:H	10	1.86
(1,189)	1:460:A:GLN:HB2	1:461:A:ALA:H	1	1.86
(1,189)	1:460:A:GLN:HB3	1:461:A:ALA:H	1	1.86
(1,1)	1:469:A:PHE:HD1	1:470:A:GLN:H	19	1.86
(1,1)	1:469:A:PHE:HD2	1:470:A:GLN:H	19	1.86
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	18	1.85
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	18	1.85
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	18	1.85
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	18	1.85
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	18	1.85
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	18	1.85
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD1	12	1.85
(1,1569)	1:408:A:PHE:H	1:408:A:PHE:HD2	12	1.85
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	12	1.85
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	12	1.85
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	12	1.85
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	12	1.85
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	12	1.85
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	12	1.85
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	12	1.85
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	12	1.85
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	12	1.85
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	12	1.85
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	12	1.85
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	12	1.85
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD1	20	1.85
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD2	20	1.85
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD1	20	1.85
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD2	20	1.85
(1,1532)	1:422:A:LEU:HA	1:422:A:LEU:HG	20	1.85
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	13	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	13	1.85
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	13	1.85
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	13	1.85
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	13	1.85
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	13	1.85
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	13	1.85
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	13	1.85
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	13	1.85
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG21	11	1.85
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG22	11	1.85
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG23	11	1.85
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	13	1.85
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	13	1.85
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	13	1.85
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	13	1.85
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	13	1.85
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	13	1.85
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	13	1.85
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	13	1.85
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	13	1.85
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	10	1.85
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	10	1.85
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	10	1.85
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	10	1.85
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	10	1.85
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	10	1.85
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	10	1.85
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	10	1.85
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	10	1.85
(1,1253)	1:444:A:LEU:HA	1:444:A:LEU:HG	18	1.85
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD11	1	1.85
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD12	1	1.85
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD13	1	1.85
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD21	1	1.85
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD22	1	1.85
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD23	1	1.85
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD11	16	1.85
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD12	16	1.85
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD13	16	1.85
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD21	16	1.85
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD22	16	1.85
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD23	16	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1224)	1:464:A:GLN:HB2	1:465:A:ALA:H	16	1.85
(1,1224)	1:464:A:GLN:HB3	1:465:A:ALA:H	16	1.85
(1,1212)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	11	1.85
(1,1212)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	11	1.85
(1,1212)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	11	1.85
(1,1136)	1:456:A:PRO:HB2	1:457:A:VAL:H	8	1.85
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG2	7	1.85
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG3	7	1.85
(1,1110)	1:423:A:GLN:H	1:423:A:GLN:HG3	6	1.85
(1,1110)	1:423:A:GLN:H	1:423:A:GLN:HG3	13	1.85
(1,1013)	1:463:A:ILE:HB	1:464:A:GLN:H	12	1.85
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD11	18	1.85
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD12	18	1.85
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD13	18	1.85
(1,987)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	11	1.85
(1,987)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	11	1.85
(1,963)	1:420:A:ASP:H	1:420:A:ASP:HB3	15	1.85
(1,954)	1:463:A:ILE:HG21	1:464:A:GLN:H	12	1.85
(1,954)	1:463:A:ILE:HG22	1:464:A:GLN:H	12	1.85
(1,954)	1:463:A:ILE:HG23	1:464:A:GLN:H	12	1.85
(1,948)	1:461:A:ALA:HB1	1:462:A:ALA:H	14	1.85
(1,948)	1:461:A:ALA:HB2	1:462:A:ALA:H	14	1.85
(1,948)	1:461:A:ALA:HB3	1:462:A:ALA:H	14	1.85
(1,939)	1:486:A:ASP:H	1:486:A:ASP:HB3	4	1.85
(1,927)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	11	1.85
(1,927)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	11	1.85
(1,927)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	11	1.85
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	10	1.85
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	10	1.85
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	10	1.85
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	10	1.85
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	10	1.85
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	10	1.85
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	10	1.85
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	10	1.85
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	10	1.85
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG21	8	1.85
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG22	8	1.85
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG23	8	1.85
(1,672)	1:444:A:LEU:H	1:444:A:LEU:HG	17	1.85
(1,547)	1:404:A:GLY:H	1:405:A:ALA:H	17	1.85
(1,485)	1:406:A:ASN:H	1:406:A:ASN:HB3	11	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,432)	1:463:A:ILE:HB	1:464:A:GLN:H	12	1.85
(1,416)	1:440:A:LYS:HB2	1:441:A:GLN:H	14	1.85
(1,416)	1:440:A:LYS:HB3	1:441:A:GLN:H	14	1.85
(1,413)	1:441:A:GLN:H	1:442:A:THR:H	3	1.85
(1,386)	1:420:A:ASP:H	1:420:A:ASP:HB3	15	1.85
(1,384)	1:444:A:LEU:H	1:444:A:LEU:HG	17	1.85
(1,360)	1:463:A:ILE:H	1:463:A:ILE:HB	17	1.85
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG21	8	1.85
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG22	8	1.85
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG23	8	1.85
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD1	12	1.85
(1,339)	1:408:A:PHE:H	1:408:A:PHE:HD2	12	1.85
(1,331)	1:466:A:MET:H	1:467:A:ASN:H	20	1.85
(1,319)	1:474:A:LYS:H	1:474:A:LYS:HB2	6	1.85
(1,319)	1:474:A:LYS:H	1:474:A:LYS:HB2	12	1.85
(1,274)	1:456:A:PRO:HB2	1:457:A:VAL:H	8	1.85
(1,261)	1:486:A:ASP:H	1:486:A:ASP:HB3	4	1.85
(1,252)	1:402:A:PRO:HD2	1:453:A:TYR:H	5	1.85
(1,226)	1:418:A:ASP:H	1:418:A:ASP:HB3	5	1.85
(1,218)	1:461:A:ALA:HB1	1:462:A:ALA:H	14	1.85
(1,218)	1:461:A:ALA:HB2	1:462:A:ALA:H	14	1.85
(1,218)	1:461:A:ALA:HB3	1:462:A:ALA:H	14	1.85
(1,189)	1:460:A:GLN:HB2	1:461:A:ALA:H	20	1.85
(1,189)	1:460:A:GLN:HB3	1:461:A:ALA:H	20	1.85
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD1	10	1.85
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD2	10	1.85
(1,130)	1:469:A:PHE:H	1:469:A:PHE:HB2	6	1.85
(1,130)	1:469:A:PHE:H	1:469:A:PHE:HB2	18	1.85
(1,116)	1:490:A:TYR:H	1:490:A:TYR:HB2	20	1.85
(1,100)	1:450:A:PHE:HD1	1:451:A:VAL:H	1	1.85
(1,100)	1:450:A:PHE:HD2	1:451:A:VAL:H	1	1.85
(1,53)	1:471:A:ILE:H	1:471:A:ILE:HB	9	1.85
(1,41)	1:467:A:ASN:HA	1:478:A:VAL:H	6	1.85
(1,20)	1:425:A:PHE:H	1:426:A:MET:H	7	1.85
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	4	1.84
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	4	1.84
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	4	1.84
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	4	1.84
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	4	1.84
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	4	1.84
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	8	1.84
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	8	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	8	1.84
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	8	1.84
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	8	1.84
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	8	1.84
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	9	1.84
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	9	1.84
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	9	1.84
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	9	1.84
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	9	1.84
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	9	1.84
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD1	16	1.84
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD2	16	1.84
(1,1460)	1:423:A:GLN:HA	1:423:A:GLN:HG3	2	1.84
(1,1460)	1:423:A:GLN:HA	1:423:A:GLN:HG3	18	1.84
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG21	13	1.84
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG22	13	1.84
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG23	13	1.84
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG21	18	1.84
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG22	18	1.84
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG23	18	1.84
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD11	11	1.84
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD12	11	1.84
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD13	11	1.84
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD21	11	1.84
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD22	11	1.84
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD23	11	1.84
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	2	1.84
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	2	1.84
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	2	1.84
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	2	1.84
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	2	1.84
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	2	1.84
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	2	1.84
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	2	1.84
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	2	1.84
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	2	1.84
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	2	1.84
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	2	1.84
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	2	1.84
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	2	1.84
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	2	1.84
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	2	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	2	1.84
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	2	1.84
(1,1253)	1:444:A:LEU:HA	1:444:A:LEU:HG	9	1.84
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD11	11	1.84
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD12	11	1.84
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD13	11	1.84
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD21	11	1.84
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD22	11	1.84
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD23	11	1.84
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG2	19	1.84
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG3	19	1.84
(1,1112)	1:423:A:GLN:HA	1:423:A:GLN:HG3	2	1.84
(1,1112)	1:423:A:GLN:HA	1:423:A:GLN:HG3	18	1.84
(1,1032)	1:430:A:ASN:HB2	1:454:A:ASP:H	11	1.84
(1,1032)	1:430:A:ASN:HB3	1:454:A:ASP:H	11	1.84
(1,964)	1:420:A:ASP:H	1:420:A:ASP:HB2	8	1.84
(1,939)	1:486:A:ASP:H	1:486:A:ASP:HB3	8	1.84
(1,830)	1:450:A:PHE:HB2	1:451:A:VAL:H	5	1.84
(1,824)	1:436:A:VAL:HG11	1:437:A:PHE:H	4	1.84
(1,824)	1:436:A:VAL:HG12	1:437:A:PHE:H	4	1.84
(1,824)	1:436:A:VAL:HG13	1:437:A:PHE:H	4	1.84
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG21	13	1.84
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG22	13	1.84
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG23	13	1.84
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG21	18	1.84
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG22	18	1.84
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG23	18	1.84
(1,720)	1:444:A:LEU:HD11	1:445:A:SER:H	5	1.84
(1,720)	1:444:A:LEU:HD12	1:445:A:SER:H	5	1.84
(1,720)	1:444:A:LEU:HD13	1:445:A:SER:H	5	1.84
(1,720)	1:444:A:LEU:HD21	1:445:A:SER:H	5	1.84
(1,720)	1:444:A:LEU:HD22	1:445:A:SER:H	5	1.84
(1,720)	1:444:A:LEU:HD23	1:445:A:SER:H	5	1.84
(1,522)	1:432:A:ILE:HB	1:433:A:SER:H	3	1.84
(1,479)	1:444:A:LEU:HD11	1:445:A:SER:H	5	1.84
(1,479)	1:444:A:LEU:HD12	1:445:A:SER:H	5	1.84
(1,479)	1:444:A:LEU:HD13	1:445:A:SER:H	5	1.84
(1,479)	1:444:A:LEU:HD21	1:445:A:SER:H	5	1.84
(1,479)	1:444:A:LEU:HD22	1:445:A:SER:H	5	1.84
(1,479)	1:444:A:LEU:HD23	1:445:A:SER:H	5	1.84
(1,428)	1:442:A:THR:HA	1:443:A:ASN:H	4	1.84
(1,411)	1:440:A:LYS:H	1:441:A:GLN:H	7	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:420:A:ASP:H	1:420:A:ASP:HB2	8	1.84
(1,321)	1:433:A:SER:H	1:452:A:SER:H	13	1.84
(1,312)	1:474:A:LYS:HB3	1:475:A:ARG:H	7	1.84
(1,261)	1:486:A:ASP:H	1:486:A:ASP:HB3	8	1.84
(1,237)	1:400:A:GLU:H	1:400:A:GLU:HG3	10	1.84
(1,222)	1:418:A:ASP:H	1:419:A:GLN:H	19	1.84
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD1	8	1.84
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD2	8	1.84
(1,130)	1:469:A:PHE:H	1:469:A:PHE:HB2	11	1.84
(1,100)	1:450:A:PHE:HD1	1:451:A:VAL:H	5	1.84
(1,100)	1:450:A:PHE:HD2	1:451:A:VAL:H	5	1.84
(1,75)	1:446:A:LYS:H	1:447:A:CYS:H	6	1.84
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD1	16	1.84
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD2	16	1.84
(1,64)	1:436:A:VAL:HG11	1:437:A:PHE:H	4	1.84
(1,64)	1:436:A:VAL:HG12	1:437:A:PHE:H	4	1.84
(1,64)	1:436:A:VAL:HG13	1:437:A:PHE:H	4	1.84
(1,55)	1:471:A:ILE:H	1:475:A:ARG:HA	1	1.84
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD1	8	1.83
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD2	8	1.83
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD1	2	1.83
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD2	2	1.83
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD1	15	1.83
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD2	15	1.83
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG2	17	1.83
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG3	17	1.83
(1,1485)	1:398:A:GLN:HA	1:398:A:GLN:HG3	1	1.83
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG2	18	1.83
(1,1449)	1:424:A:MET:HA	1:424:A:MET:HG3	18	1.83
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	16	1.83
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	16	1.83
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	16	1.83
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	16	1.83
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	16	1.83
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	16	1.83
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	16	1.83
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	16	1.83
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	16	1.83
(1,1342)	1:405:A:ALA:HB1	1:453:A:TYR:HB3	19	1.83
(1,1342)	1:405:A:ALA:HB2	1:453:A:TYR:HB3	19	1.83
(1,1342)	1:405:A:ALA:HB3	1:453:A:TYR:HB3	19	1.83
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	16	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	16	1.83
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	16	1.83
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	16	1.83
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	16	1.83
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	16	1.83
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	16	1.83
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	16	1.83
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	16	1.83
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD11	18	1.83
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD12	18	1.83
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD13	18	1.83
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD21	18	1.83
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD22	18	1.83
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD23	18	1.83
(1,1214)	1:415:A:GLU:H	1:415:A:GLU:HB2	5	1.83
(1,1104)	1:441:A:GLN:HA	1:441:A:GLN:HG2	4	1.83
(1,1097)	1:441:A:GLN:HA	1:444:A:LEU:H	6	1.83
(1,948)	1:461:A:ALA:HB1	1:462:A:ALA:H	5	1.83
(1,948)	1:461:A:ALA:HB2	1:462:A:ALA:H	5	1.83
(1,948)	1:461:A:ALA:HB3	1:462:A:ALA:H	5	1.83
(1,880)	1:480:A:LEU:HB2	1:481:A:LYS:H	17	1.83
(1,880)	1:480:A:LEU:HB3	1:481:A:LYS:H	17	1.83
(1,720)	1:444:A:LEU:HD11	1:445:A:SER:H	1	1.83
(1,720)	1:444:A:LEU:HD12	1:445:A:SER:H	1	1.83
(1,720)	1:444:A:LEU:HD13	1:445:A:SER:H	1	1.83
(1,720)	1:444:A:LEU:HD21	1:445:A:SER:H	1	1.83
(1,720)	1:444:A:LEU:HD22	1:445:A:SER:H	1	1.83
(1,720)	1:444:A:LEU:HD23	1:445:A:SER:H	1	1.83
(1,655)	1:474:A:LYS:H	1:474:A:LYS:HG3	4	1.83
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	12	1.83
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	12	1.83
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	12	1.83
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	12	1.83
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	12	1.83
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	12	1.83
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	12	1.83
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	12	1.83
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	12	1.83
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	12	1.83
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	12	1.83
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	12	1.83
(1,597)	1:441:A:GLN:HB3	1:442:A:THR:H	20	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,522)	1:432:A:ILE:HB	1:433:A:SER:H	4	1.83
(1,512)	1:454:A:ASP:HB3	1:455:A:ASN:H	1	1.83
(1,495)	1:415:A:GLU:H	1:415:A:GLU:HB3	1	1.83
(1,493)	1:413:A:PRO:HB2	1:415:A:GLU:H	5	1.83
(1,493)	1:413:A:PRO:HB3	1:415:A:GLU:H	5	1.83
(1,479)	1:444:A:LEU:HD11	1:445:A:SER:H	1	1.83
(1,479)	1:444:A:LEU:HD12	1:445:A:SER:H	1	1.83
(1,479)	1:444:A:LEU:HD13	1:445:A:SER:H	1	1.83
(1,479)	1:444:A:LEU:HD21	1:445:A:SER:H	1	1.83
(1,479)	1:444:A:LEU:HD22	1:445:A:SER:H	1	1.83
(1,479)	1:444:A:LEU:HD23	1:445:A:SER:H	1	1.83
(1,452)	1:459:A:ALA:H	1:460:A:GLN:H	4	1.83
(1,428)	1:442:A:THR:HA	1:443:A:ASN:H	11	1.83
(1,428)	1:442:A:THR:HA	1:443:A:ASN:H	12	1.83
(1,415)	1:441:A:GLN:H	1:441:A:GLN:HB3	10	1.83
(1,319)	1:474:A:LYS:H	1:474:A:LYS:HB2	18	1.83
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB2	3	1.83
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB3	3	1.83
(1,252)	1:402:A:PRO:HD2	1:453:A:TYR:H	16	1.83
(1,218)	1:461:A:ALA:HB1	1:462:A:ALA:H	5	1.83
(1,218)	1:461:A:ALA:HB2	1:462:A:ALA:H	5	1.83
(1,218)	1:461:A:ALA:HB3	1:462:A:ALA:H	5	1.83
(1,205)	1:415:A:GLU:HG2	1:416:A:PHE:H	10	1.83
(1,205)	1:415:A:GLU:HG3	1:416:A:PHE:H	10	1.83
(1,130)	1:469:A:PHE:H	1:469:A:PHE:HB2	10	1.83
(1,121)	1:473:A:MET:H	1:473:A:MET:HG2	6	1.83
(1,100)	1:450:A:PHE:HD1	1:451:A:VAL:H	7	1.83
(1,100)	1:450:A:PHE:HD2	1:451:A:VAL:H	7	1.83
(1,41)	1:467:A:ASN:HA	1:478:A:VAL:H	13	1.83
(1,1591)	1:411:A:HIS:HB3	1:411:A:HIS:HD2	10	1.82
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	1	1.82
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	1	1.82
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	1	1.82
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	1	1.82
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	1	1.82
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	1	1.82
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	3	1.82
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	3	1.82
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	3	1.82
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	3	1.82
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	3	1.82
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	3	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD1	7	1.82
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD2	7	1.82
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB1	5	1.82
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB2	5	1.82
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB3	5	1.82
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB1	5	1.82
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB2	5	1.82
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB3	5	1.82
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD1	8	1.82
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD2	8	1.82
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG2	10	1.82
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG3	10	1.82
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG2	14	1.82
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG3	14	1.82
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG2	15	1.82
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG3	15	1.82
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG2	16	1.82
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG3	16	1.82
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD11	8	1.82
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD12	8	1.82
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD13	8	1.82
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	12	1.82
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	12	1.82
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	12	1.82
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	12	1.82
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	12	1.82
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	12	1.82
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	13	1.82
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	13	1.82
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	13	1.82
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	13	1.82
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	13	1.82
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	13	1.82
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	13	1.82
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	13	1.82
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	13	1.82
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	13	1.82
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	13	1.82
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	13	1.82
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	13	1.82
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	13	1.82
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	13	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	13	1.82
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	13	1.82
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	13	1.82
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG12	2	1.82
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG13	2	1.82
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	2	1.82
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	2	1.82
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	2	1.82
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	2	1.82
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	2	1.82
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	2	1.82
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	2	1.82
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	2	1.82
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	2	1.82
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG21	2	1.82
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG22	2	1.82
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG23	2	1.82
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG21	6	1.82
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG22	6	1.82
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG23	6	1.82
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	3	1.82
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	3	1.82
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	3	1.82
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB1	5	1.82
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB2	5	1.82
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB3	5	1.82
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB1	5	1.82
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB2	5	1.82
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB3	5	1.82
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB1	5	1.82
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB2	5	1.82
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB3	5	1.82
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB1	5	1.82
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB2	5	1.82
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB3	5	1.82
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB1	5	1.82
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB2	5	1.82
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB3	5	1.82
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB1	5	1.82
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB2	5	1.82
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB3	5	1.82
(1,1253)	1:444:A:LEU:HA	1:444:A:LEU:HG	2	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1200)	1:398:A:GLN:HB2	1:399:A:LYS:H	19	1.82
(1,1200)	1:398:A:GLN:HB3	1:399:A:LYS:H	19	1.82
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG2	5	1.82
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG3	5	1.82
(1,1121)	1:410:A:TYR:HA	1:449:A:GLY:H	5	1.82
(1,1103)	1:441:A:GLN:HA	1:441:A:GLN:HG3	9	1.82
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	16	1.82
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	16	1.82
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	16	1.82
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	16	1.82
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	16	1.82
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	16	1.82
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	16	1.82
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	16	1.82
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	16	1.82
(1,1032)	1:430:A:ASN:HB2	1:454:A:ASP:H	8	1.82
(1,1032)	1:430:A:ASN:HB3	1:454:A:ASP:H	8	1.82
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	3	1.82
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	3	1.82
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	3	1.82
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	3	1.82
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	3	1.82
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	3	1.82
(1,1013)	1:463:A:ILE:HB	1:464:A:GLN:H	15	1.82
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD11	8	1.82
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD12	8	1.82
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD13	8	1.82
(1,964)	1:420:A:ASP:H	1:420:A:ASP:HB2	5	1.82
(1,924)	1:455:A:ASN:H	1:455:A:ASN:HB3	2	1.82
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	13	1.82
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	13	1.82
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	13	1.82
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	13	1.82
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	13	1.82
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	13	1.82
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	13	1.82
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	13	1.82
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	13	1.82
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	13	1.82
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	13	1.82
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	13	1.82
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	13	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	13	1.82
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	13	1.82
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	13	1.82
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	13	1.82
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	13	1.82
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	14	1.82
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	14	1.82
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	14	1.82
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	14	1.82
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	14	1.82
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	14	1.82
(1,880)	1:480:A:LEU:HB2	1:481:A:LYS:H	3	1.82
(1,880)	1:480:A:LEU:HB3	1:481:A:LYS:H	3	1.82
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG12	2	1.82
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG13	2	1.82
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG21	6	1.82
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG22	6	1.82
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG23	6	1.82
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	16	1.82
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	16	1.82
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	16	1.82
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	16	1.82
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	16	1.82
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	16	1.82
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	16	1.82
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	16	1.82
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	16	1.82
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	2	1.82
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	2	1.82
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	2	1.82
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	2	1.82
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	2	1.82
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	2	1.82
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	2	1.82
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	2	1.82
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	2	1.82
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG21	2	1.82
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG22	2	1.82
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG23	2	1.82
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG21	6	1.82
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG22	6	1.82
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG23	6	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG11	11	1.82
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG12	11	1.82
(1,739)	1:431:A:VAL:H	1:431:A:VAL:HG13	11	1.82
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG21	3	1.82
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG22	3	1.82
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG23	3	1.82
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG21	20	1.82
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG22	20	1.82
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG23	20	1.82
(1,700)	1:476:A:LEU:HD11	1:477:A:LYS:H	17	1.82
(1,700)	1:476:A:LEU:HD12	1:477:A:LYS:H	17	1.82
(1,700)	1:476:A:LEU:HD13	1:477:A:LYS:H	17	1.82
(1,700)	1:476:A:LEU:HD21	1:477:A:LYS:H	17	1.82
(1,700)	1:476:A:LEU:HD22	1:477:A:LYS:H	17	1.82
(1,700)	1:476:A:LEU:HD23	1:477:A:LYS:H	17	1.82
(1,599)	1:428:A:PHE:H	1:429:A:GLY:H	16	1.82
(1,590)	1:410:A:TYR:HA	1:449:A:GLY:H	5	1.82
(1,570)	1:419:A:GLN:HE21	1:420:A:ASP:H	3	1.82
(1,565)	1:410:A:TYR:HB2	1:411:A:HIS:H	11	1.82
(1,556)	1:424:A:MET:HB2	1:425:A:PHE:H	15	1.82
(1,556)	1:424:A:MET:HB3	1:425:A:PHE:H	15	1.82
(1,514)	1:455:A:ASN:H	1:455:A:ASN:HB3	2	1.82
(1,463)	1:420:A:ASP:HA	1:423:A:GLN:H	12	1.82
(1,445)	1:418:A:ASP:HB2	1:419:A:GLN:H	6	1.82
(1,432)	1:463:A:ILE:HB	1:464:A:GLN:H	15	1.82
(1,416)	1:440:A:LYS:HB2	1:441:A:GLN:H	6	1.82
(1,416)	1:440:A:LYS:HB3	1:441:A:GLN:H	6	1.82
(1,388)	1:420:A:ASP:H	1:420:A:ASP:HB2	5	1.82
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG21	3	1.82
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG22	3	1.82
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG23	3	1.82
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG21	20	1.82
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG22	20	1.82
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG23	20	1.82
(1,321)	1:433:A:SER:H	1:452:A:SER:H	15	1.82
(1,321)	1:433:A:SER:H	1:452:A:SER:H	16	1.82
(1,319)	1:474:A:LYS:H	1:474:A:LYS:HB2	10	1.82
(1,300)	1:405:A:ALA:H	1:456:A:PRO:HD3	5	1.82
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB2	4	1.82
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB3	4	1.82
(1,252)	1:402:A:PRO:HD2	1:453:A:TYR:H	1	1.82
(1,244)	1:399:A:LYS:HD2	1:400:A:GLU:H	13	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,244)	1:399:A:LYS:HD3	1:400:A:GLU:H	13	1.82
(1,238)	1:400:A:GLU:H	1:400:A:GLU:HB3	18	1.82
(1,189)	1:460:A:GLN:HB2	1:461:A:ALA:H	18	1.82
(1,189)	1:460:A:GLN:HB3	1:461:A:ALA:H	18	1.82
(1,187)	1:460:A:GLN:HG2	1:461:A:ALA:H	19	1.82
(1,187)	1:460:A:GLN:HG3	1:461:A:ALA:H	19	1.82
(1,113)	1:476:A:LEU:HD11	1:477:A:LYS:H	17	1.82
(1,113)	1:476:A:LEU:HD12	1:477:A:LYS:H	17	1.82
(1,113)	1:476:A:LEU:HD13	1:477:A:LYS:H	17	1.82
(1,113)	1:476:A:LEU:HD21	1:477:A:LYS:H	17	1.82
(1,113)	1:476:A:LEU:HD22	1:477:A:LYS:H	17	1.82
(1,113)	1:476:A:LEU:HD23	1:477:A:LYS:H	17	1.82
(1,26)	1:426:A:MET:H	1:426:A:MET:HG2	12	1.82
(1,26)	1:426:A:MET:H	1:426:A:MET:HG3	12	1.82
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	1	1.81
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	1	1.81
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	1	1.81
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	1	1.81
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	1	1.81
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	1	1.81
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	1	1.81
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	1	1.81
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	1	1.81
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	1	1.81
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	1	1.81
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	1	1.81
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	10	1.81
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	10	1.81
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	10	1.81
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	10	1.81
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	10	1.81
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	10	1.81
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	10	1.81
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	10	1.81
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	10	1.81
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	10	1.81
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	10	1.81
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	10	1.81
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD1	1	1.81
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD2	1	1.81
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD1	3	1.81
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD2	3	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD1	15	1.81
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD2	15	1.81
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD2	11	1.81
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD3	11	1.81
(1,1491)	1:407:A:LEU:HD11	1:459:A:ALA:HA	1	1.81
(1,1491)	1:407:A:LEU:HD12	1:459:A:ALA:HA	1	1.81
(1,1491)	1:407:A:LEU:HD13	1:459:A:ALA:HA	1	1.81
(1,1491)	1:407:A:LEU:HD21	1:459:A:ALA:HA	1	1.81
(1,1491)	1:407:A:LEU:HD22	1:459:A:ALA:HA	1	1.81
(1,1491)	1:407:A:LEU:HD23	1:459:A:ALA:HA	1	1.81
(1,1491)	1:407:A:LEU:HD11	1:459:A:ALA:HA	6	1.81
(1,1491)	1:407:A:LEU:HD12	1:459:A:ALA:HA	6	1.81
(1,1491)	1:407:A:LEU:HD13	1:459:A:ALA:HA	6	1.81
(1,1491)	1:407:A:LEU:HD21	1:459:A:ALA:HA	6	1.81
(1,1491)	1:407:A:LEU:HD22	1:459:A:ALA:HA	6	1.81
(1,1491)	1:407:A:LEU:HD23	1:459:A:ALA:HA	6	1.81
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG2	2	1.81
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG3	2	1.81
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD11	3	1.81
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD12	3	1.81
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD13	3	1.81
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD11	3	1.81
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD12	3	1.81
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD13	3	1.81
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	4	1.81
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	4	1.81
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	4	1.81
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	4	1.81
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	4	1.81
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	4	1.81
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	4	1.81
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	4	1.81
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	4	1.81
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	11	1.81
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	11	1.81
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	11	1.81
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	4	1.81
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	4	1.81
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	4	1.81
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	4	1.81
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	4	1.81
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	4	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	4	1.81
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	4	1.81
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	4	1.81
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG21	20	1.81
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG22	20	1.81
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG23	20	1.81
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD11	19	1.81
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD12	19	1.81
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD13	19	1.81
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD21	19	1.81
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD22	19	1.81
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD23	19	1.81
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	1	1.81
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	1	1.81
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	1	1.81
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	1	1.81
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	1	1.81
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	1	1.81
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	1	1.81
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	1	1.81
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	1	1.81
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	1	1.81
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	1	1.81
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	1	1.81
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	10	1.81
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	10	1.81
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	10	1.81
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	10	1.81
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	10	1.81
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	10	1.81
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	10	1.81
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	10	1.81
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	10	1.81
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	10	1.81
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	10	1.81
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	10	1.81
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG2	18	1.81
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG3	18	1.81
(1,1224)	1:464:A:GLN:HB2	1:465:A:ALA:H	8	1.81
(1,1224)	1:464:A:GLN:HB3	1:465:A:ALA:H	8	1.81
(1,1224)	1:464:A:GLN:HB2	1:465:A:ALA:H	15	1.81
(1,1224)	1:464:A:GLN:HB3	1:465:A:ALA:H	15	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1166)	1:400:A:GLU:HB2	1:401:A:GLY:H	16	1.81
(1,1164)	1:407:A:LEU:HD11	1:459:A:ALA:HA	1	1.81
(1,1164)	1:407:A:LEU:HD12	1:459:A:ALA:HA	1	1.81
(1,1164)	1:407:A:LEU:HD13	1:459:A:ALA:HA	1	1.81
(1,1164)	1:407:A:LEU:HD21	1:459:A:ALA:HA	1	1.81
(1,1164)	1:407:A:LEU:HD22	1:459:A:ALA:HA	1	1.81
(1,1164)	1:407:A:LEU:HD23	1:459:A:ALA:HA	1	1.81
(1,1164)	1:407:A:LEU:HD11	1:459:A:ALA:HA	6	1.81
(1,1164)	1:407:A:LEU:HD12	1:459:A:ALA:HA	6	1.81
(1,1164)	1:407:A:LEU:HD13	1:459:A:ALA:HA	6	1.81
(1,1164)	1:407:A:LEU:HD21	1:459:A:ALA:HA	6	1.81
(1,1164)	1:407:A:LEU:HD22	1:459:A:ALA:HA	6	1.81
(1,1164)	1:407:A:LEU:HD23	1:459:A:ALA:HA	6	1.81
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG2	1	1.81
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG3	1	1.81
(1,1121)	1:410:A:TYR:HA	1:449:A:GLY:H	2	1.81
(1,1055)	1:435:A:LYS:HB2	1:436:A:VAL:H	5	1.81
(1,1055)	1:435:A:LYS:HB3	1:436:A:VAL:H	5	1.81
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD11	3	1.81
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD12	3	1.81
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD13	3	1.81
(1,1005)	1:425:A:PHE:HB2	1:426:A:MET:H	15	1.81
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	11	1.81
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	11	1.81
(1,887)	1:433:A:SER:HB3	1:434:A:ALA:H	8	1.81
(1,857)	1:409:A:ILE:HG21	1:410:A:TYR:H	18	1.81
(1,857)	1:409:A:ILE:HG22	1:410:A:TYR:H	18	1.81
(1,857)	1:409:A:ILE:HG23	1:410:A:TYR:H	18	1.81
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	8	1.81
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	8	1.81
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	8	1.81
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	8	1.81
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	8	1.81
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	8	1.81
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	8	1.81
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	8	1.81
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	8	1.81
(1,851)	1:405:A:ALA:HB1	1:406:A:ASN:H	12	1.81
(1,851)	1:405:A:ALA:HB2	1:406:A:ASN:H	12	1.81
(1,851)	1:405:A:ALA:HB3	1:406:A:ASN:H	12	1.81
(1,851)	1:405:A:ALA:HB1	1:406:A:ASN:H	13	1.81
(1,851)	1:405:A:ALA:HB2	1:406:A:ASN:H	13	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,851)	1:405:A:ALA:HB3	1:406:A:ASN:H	13	1.81
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG21	20	1.81
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG22	20	1.81
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG23	20	1.81
(1,590)	1:410:A:TYR:HA	1:449:A:GLY:H	2	1.81
(1,582)	1:400:A:GLU:HB2	1:401:A:GLY:H	16	1.81
(1,493)	1:413:A:PRO:HB2	1:415:A:GLU:H	13	1.81
(1,493)	1:413:A:PRO:HB3	1:415:A:GLU:H	13	1.81
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD11	3	1.81
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD12	3	1.81
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD13	3	1.81
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD21	3	1.81
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD22	3	1.81
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD23	3	1.81
(1,463)	1:420:A:ASP:HA	1:423:A:GLN:H	7	1.81
(1,428)	1:442:A:THR:HA	1:443:A:ASN:H	2	1.81
(1,428)	1:442:A:THR:HA	1:443:A:ASN:H	5	1.81
(1,428)	1:442:A:THR:HA	1:443:A:ASN:H	15	1.81
(1,419)	1:465:A:ALA:H	1:466:A:MET:H	6	1.81
(1,413)	1:441:A:GLN:H	1:442:A:THR:H	20	1.81
(1,360)	1:463:A:ILE:H	1:463:A:ILE:HB	9	1.81
(1,319)	1:474:A:LYS:H	1:474:A:LYS:HB2	9	1.81
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG2	18	1.81
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG3	18	1.81
(1,300)	1:405:A:ALA:H	1:456:A:PRO:HD3	6	1.81
(1,267)	1:409:A:ILE:H	1:409:A:ILE:HG12	9	1.81
(1,224)	1:417:A:GLY:HA2	1:418:A:ASP:H	15	1.81
(1,195)	1:435:A:LYS:HB2	1:436:A:VAL:H	5	1.81
(1,195)	1:435:A:LYS:HB3	1:436:A:VAL:H	5	1.81
(1,166)	1:463:A:ILE:HG21	1:480:A:LEU:H	4	1.81
(1,166)	1:463:A:ILE:HG22	1:480:A:LEU:H	4	1.81
(1,166)	1:463:A:ILE:HG23	1:480:A:LEU:H	4	1.81
(1,135)	1:422:A:LEU:H	1:422:A:LEU:HB3	15	1.81
(1,130)	1:469:A:PHE:H	1:469:A:PHE:HB2	19	1.81
(1,84)	1:406:A:ASN:H	1:481:A:LYS:H	13	1.81
(1,47)	1:439:A:ASP:H	1:439:A:ASP:HB3	4	1.81
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	13	1.8
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	13	1.8
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	13	1.8
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	13	1.8
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	13	1.8
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	13	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	13	1.8
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	13	1.8
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	13	1.8
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	13	1.8
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	13	1.8
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	13	1.8
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD1	11	1.8
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD2	11	1.8
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD1	11	1.8
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD2	11	1.8
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD1	18	1.8
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD2	18	1.8
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD1	18	1.8
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD2	18	1.8
(1,1498)	1:428:A:PHE:HE1	1:465:A:ALA:HA	11	1.8
(1,1498)	1:428:A:PHE:HE2	1:465:A:ALA:HA	11	1.8
(1,1460)	1:423:A:GLN:HA	1:423:A:GLN:HG3	15	1.8
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	10	1.8
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	10	1.8
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	10	1.8
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	10	1.8
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	10	1.8
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	10	1.8
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	10	1.8
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	10	1.8
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	10	1.8
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	10	1.8
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	10	1.8
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	10	1.8
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	10	1.8
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	10	1.8
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	10	1.8
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	10	1.8
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	10	1.8
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	10	1.8
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	18	1.8
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	18	1.8
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	18	1.8
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	18	1.8
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	18	1.8
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	18	1.8
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	18	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	18	1.8
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	18	1.8
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE2	6	1.8
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE3	6	1.8
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE2	6	1.8
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE3	6	1.8
(1,1358)	1:475:A:ARG:HB2	1:475:A:ARG:HD3	10	1.8
(1,1358)	1:475:A:ARG:HB3	1:475:A:ARG:HD3	10	1.8
(1,1324)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	2	1.8
(1,1324)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	2	1.8
(1,1324)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	2	1.8
(1,1324)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	14	1.8
(1,1324)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	14	1.8
(1,1324)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	14	1.8
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	18	1.8
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	18	1.8
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	18	1.8
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	18	1.8
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	18	1.8
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	18	1.8
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	18	1.8
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	18	1.8
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	18	1.8
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG21	14	1.8
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG22	14	1.8
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG23	14	1.8
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG21	14	1.8
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG22	14	1.8
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG23	14	1.8
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD11	15	1.8
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD12	15	1.8
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD13	15	1.8
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD21	15	1.8
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD22	15	1.8
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD23	15	1.8
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	13	1.8
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	13	1.8
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	13	1.8
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	13	1.8
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	13	1.8
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	13	1.8
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	13	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	13	1.8
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	13	1.8
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	13	1.8
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	13	1.8
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	13	1.8
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	10	1.8
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	10	1.8
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	10	1.8
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	10	1.8
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	10	1.8
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	10	1.8
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	10	1.8
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	10	1.8
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	10	1.8
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	10	1.8
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	10	1.8
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	10	1.8
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	10	1.8
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	10	1.8
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	10	1.8
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	10	1.8
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	10	1.8
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	10	1.8
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD11	4	1.8
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD12	4	1.8
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD13	4	1.8
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD21	4	1.8
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD22	4	1.8
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD23	4	1.8
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD11	14	1.8
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD12	14	1.8
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD13	14	1.8
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD21	14	1.8
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD22	14	1.8
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD23	14	1.8
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG2	9	1.8
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG3	9	1.8
(1,1112)	1:423:A:GLN:HA	1:423:A:GLN:HG3	15	1.8
(1,1110)	1:423:A:GLN:H	1:423:A:GLN:HG3	12	1.8
(1,1101)	1:477:A:LYS:HB2	1:478:A:VAL:H	1	1.8
(1,1101)	1:477:A:LYS:HB3	1:478:A:VAL:H	1	1.8
(1,1069)	1:432:A:ILE:HD11	1:454:A:ASP:HA	1	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1069)	1:432:A:ILE:HD12	1:454:A:ASP:HA	1	1.8
(1,1069)	1:432:A:ILE:HD13	1:454:A:ASP:HA	1	1.8
(1,1013)	1:463:A:ILE:HB	1:464:A:GLN:H	18	1.8
(1,963)	1:420:A:ASP:H	1:420:A:ASP:HB3	16	1.8
(1,936)	1:459:A:ALA:HB1	1:460:A:GLN:H	8	1.8
(1,936)	1:459:A:ALA:HB2	1:460:A:GLN:H	8	1.8
(1,936)	1:459:A:ALA:HB3	1:460:A:GLN:H	8	1.8
(1,923)	1:455:A:ASN:HB3	1:457:A:VAL:H	17	1.8
(1,851)	1:405:A:ALA:HB1	1:406:A:ASN:H	11	1.8
(1,851)	1:405:A:ALA:HB2	1:406:A:ASN:H	11	1.8
(1,851)	1:405:A:ALA:HB3	1:406:A:ASN:H	11	1.8
(1,837)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	2	1.8
(1,837)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	2	1.8
(1,837)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	2	1.8
(1,837)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	14	1.8
(1,837)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	14	1.8
(1,837)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	14	1.8
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG11	7	1.8
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG12	7	1.8
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG13	7	1.8
(1,736)	1:426:A:MET:H	1:431:A:VAL:HG11	17	1.8
(1,736)	1:426:A:MET:H	1:431:A:VAL:HG12	17	1.8
(1,736)	1:426:A:MET:H	1:431:A:VAL:HG13	17	1.8
(1,599)	1:428:A:PHE:H	1:429:A:GLY:H	19	1.8
(1,586)	1:427:A:PRO:HG2	1:428:A:PHE:H	6	1.8
(1,561)	1:410:A:TYR:HD1	1:411:A:HIS:H	16	1.8
(1,561)	1:410:A:TYR:HD2	1:411:A:HIS:H	16	1.8
(1,561)	1:410:A:TYR:HD1	1:411:A:HIS:H	20	1.8
(1,561)	1:410:A:TYR:HD2	1:411:A:HIS:H	20	1.8
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD11	5	1.8
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD12	5	1.8
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD13	5	1.8
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD21	5	1.8
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD22	5	1.8
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD23	5	1.8
(1,463)	1:420:A:ASP:HA	1:423:A:GLN:H	20	1.8
(1,445)	1:418:A:ASP:HB2	1:419:A:GLN:H	15	1.8
(1,432)	1:463:A:ILE:HB	1:464:A:GLN:H	18	1.8
(1,428)	1:442:A:THR:HA	1:443:A:ASN:H	7	1.8
(1,413)	1:441:A:GLN:H	1:442:A:THR:H	14	1.8
(1,386)	1:420:A:ASP:H	1:420:A:ASP:HB3	16	1.8
(1,360)	1:463:A:ILE:H	1:463:A:ILE:HB	15	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,319)	1:474:A:LYS:H	1:474:A:LYS:HB2	3	1.8
(1,319)	1:474:A:LYS:H	1:474:A:LYS:HB2	8	1.8
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB2	11	1.8
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB3	11	1.8
(1,300)	1:405:A:ALA:H	1:456:A:PRO:HD3	14	1.8
(1,252)	1:402:A:PRO:HD2	1:453:A:TYR:H	20	1.8
(1,182)	1:422:A:LEU:H	1:422:A:LEU:HB2	13	1.8
(1,171)	1:483:A:SER:H	1:484:A:LYS:H	9	1.8
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG11	7	1.8
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG12	7	1.8
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG13	7	1.8
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG11	9	1.8
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG12	9	1.8
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG13	9	1.8
(1,116)	1:490:A:TYR:H	1:490:A:TYR:HB2	9	1.8
(1,39)	1:477:A:LYS:HB2	1:478:A:VAL:H	1	1.8
(1,39)	1:477:A:LYS:HB3	1:478:A:VAL:H	1	1.8
(1,26)	1:426:A:MET:H	1:426:A:MET:HG2	20	1.8
(1,26)	1:426:A:MET:H	1:426:A:MET:HG3	20	1.8
(1,1591)	1:411:A:HIS:HB3	1:411:A:HIS:HD2	2	1.79
(1,1589)	1:411:A:HIS:HA	1:411:A:HIS:HD2	6	1.79
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD1	9	1.79
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD2	9	1.79
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD1	18	1.79
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD2	18	1.79
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD1	3	1.79
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD2	3	1.79
(1,1532)	1:422:A:LEU:HA	1:422:A:LEU:HG	11	1.79
(1,1532)	1:422:A:LEU:HA	1:422:A:LEU:HG	18	1.79
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	1	1.79
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	1	1.79
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	1	1.79
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	1	1.79
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	1	1.79
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	1	1.79
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	1	1.79
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	1	1.79
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	1	1.79
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD1	6	1.79
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD2	6	1.79
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD1	20	1.79
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD2	20	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	5	1.79
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	5	1.79
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	5	1.79
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	5	1.79
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	5	1.79
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	5	1.79
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	5	1.79
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	5	1.79
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	5	1.79
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	5	1.79
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	5	1.79
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	5	1.79
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	5	1.79
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	5	1.79
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	5	1.79
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	5	1.79
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	5	1.79
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	5	1.79
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE2	12	1.79
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE3	12	1.79
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE2	12	1.79
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE3	12	1.79
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG21	7	1.79
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG22	7	1.79
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG23	7	1.79
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG11	9	1.79
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG12	9	1.79
(1,1293)	1:426:A:MET:HG2	1:431:A:VAL:HG13	9	1.79
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG11	9	1.79
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG12	9	1.79
(1,1293)	1:426:A:MET:HG3	1:431:A:VAL:HG13	9	1.79
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	15	1.79
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	15	1.79
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	15	1.79
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG21	7	1.79
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG22	7	1.79
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG23	7	1.79
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG21	7	1.79
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG22	7	1.79
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG23	7	1.79
(1,1253)	1:444:A:LEU:HA	1:444:A:LEU:HG	20	1.79
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	5	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	5	1.79
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	5	1.79
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	5	1.79
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	5	1.79
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	5	1.79
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	5	1.79
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	5	1.79
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	5	1.79
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	5	1.79
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	5	1.79
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	5	1.79
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	5	1.79
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	5	1.79
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	5	1.79
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	5	1.79
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	5	1.79
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	5	1.79
(1,1224)	1:464:A:GLN:HB2	1:465:A:ALA:H	6	1.79
(1,1224)	1:464:A:GLN:HB3	1:465:A:ALA:H	6	1.79
(1,1223)	1:423:A:GLN:HB2	1:424:A:MET:H	19	1.79
(1,1223)	1:423:A:GLN:HB3	1:424:A:MET:H	19	1.79
(1,1212)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	19	1.79
(1,1212)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	19	1.79
(1,1212)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	19	1.79
(1,1200)	1:398:A:GLN:HB2	1:399:A:LYS:H	15	1.79
(1,1200)	1:398:A:GLN:HB3	1:399:A:LYS:H	15	1.79
(1,1200)	1:398:A:GLN:HB2	1:399:A:LYS:H	17	1.79
(1,1200)	1:398:A:GLN:HB3	1:399:A:LYS:H	17	1.79
(1,1166)	1:400:A:GLU:HB2	1:401:A:GLY:H	3	1.79
(1,1081)	1:422:A:LEU:HD11	1:423:A:GLN:HA	4	1.79
(1,1081)	1:422:A:LEU:HD12	1:423:A:GLN:HA	4	1.79
(1,1081)	1:422:A:LEU:HD13	1:423:A:GLN:HA	4	1.79
(1,1081)	1:422:A:LEU:HD21	1:423:A:GLN:HA	4	1.79
(1,1081)	1:422:A:LEU:HD22	1:423:A:GLN:HA	4	1.79
(1,1081)	1:422:A:LEU:HD23	1:423:A:GLN:HA	4	1.79
(1,1069)	1:432:A:ILE:HD11	1:454:A:ASP:HA	16	1.79
(1,1069)	1:432:A:ILE:HD12	1:454:A:ASP:HA	16	1.79
(1,1069)	1:432:A:ILE:HD13	1:454:A:ASP:HA	16	1.79
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	1	1.79
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	1	1.79
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	1	1.79
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	1	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	1	1.79
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	1	1.79
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	1	1.79
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	1	1.79
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	1	1.79
(1,948)	1:461:A:ALA:HB1	1:462:A:ALA:H	7	1.79
(1,948)	1:461:A:ALA:HB2	1:462:A:ALA:H	7	1.79
(1,948)	1:461:A:ALA:HB3	1:462:A:ALA:H	7	1.79
(1,927)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	19	1.79
(1,927)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	19	1.79
(1,927)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	19	1.79
(1,924)	1:455:A:ASN:H	1:455:A:ASN:HB3	5	1.79
(1,924)	1:455:A:ASN:H	1:455:A:ASN:HB3	7	1.79
(1,924)	1:455:A:ASN:H	1:455:A:ASN:HB3	15	1.79
(1,857)	1:409:A:ILE:HG21	1:410:A:TYR:H	2	1.79
(1,857)	1:409:A:ILE:HG22	1:410:A:TYR:H	2	1.79
(1,857)	1:409:A:ILE:HG23	1:410:A:TYR:H	2	1.79
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG21	7	1.79
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG22	7	1.79
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG23	7	1.79
(1,720)	1:444:A:LEU:HD11	1:445:A:SER:H	3	1.79
(1,720)	1:444:A:LEU:HD12	1:445:A:SER:H	3	1.79
(1,720)	1:444:A:LEU:HD13	1:445:A:SER:H	3	1.79
(1,720)	1:444:A:LEU:HD21	1:445:A:SER:H	3	1.79
(1,720)	1:444:A:LEU:HD22	1:445:A:SER:H	3	1.79
(1,720)	1:444:A:LEU:HD23	1:445:A:SER:H	3	1.79
(1,688)	1:480:A:LEU:HD11	1:481:A:LYS:H	20	1.79
(1,688)	1:480:A:LEU:HD12	1:481:A:LYS:H	20	1.79
(1,688)	1:480:A:LEU:HD13	1:481:A:LYS:H	20	1.79
(1,688)	1:480:A:LEU:HD21	1:481:A:LYS:H	20	1.79
(1,688)	1:480:A:LEU:HD22	1:481:A:LYS:H	20	1.79
(1,688)	1:480:A:LEU:HD23	1:481:A:LYS:H	20	1.79
(1,682)	1:442:A:THR:HB	1:443:A:ASN:H	6	1.79
(1,672)	1:444:A:LEU:H	1:444:A:LEU:HG	13	1.79
(1,582)	1:400:A:GLU:HB2	1:401:A:GLY:H	3	1.79
(1,514)	1:455:A:ASN:H	1:455:A:ASN:HB3	5	1.79
(1,514)	1:455:A:ASN:H	1:455:A:ASN:HB3	7	1.79
(1,514)	1:455:A:ASN:H	1:455:A:ASN:HB3	15	1.79
(1,479)	1:444:A:LEU:HD11	1:445:A:SER:H	3	1.79
(1,479)	1:444:A:LEU:HD12	1:445:A:SER:H	3	1.79
(1,479)	1:444:A:LEU:HD13	1:445:A:SER:H	3	1.79
(1,479)	1:444:A:LEU:HD21	1:445:A:SER:H	3	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:444:A:LEU:HD22	1:445:A:SER:H	3	1.79
(1,479)	1:444:A:LEU:HD23	1:445:A:SER:H	3	1.79
(1,471)	1:423:A:GLN:HB2	1:424:A:MET:H	19	1.79
(1,471)	1:423:A:GLN:HB3	1:424:A:MET:H	19	1.79
(1,463)	1:420:A:ASP:HA	1:423:A:GLN:H	2	1.79
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD11	11	1.79
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD12	11	1.79
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD13	11	1.79
(1,428)	1:442:A:THR:HA	1:443:A:ASN:H	10	1.79
(1,419)	1:465:A:ALA:H	1:466:A:MET:H	8	1.79
(1,384)	1:444:A:LEU:H	1:444:A:LEU:HG	13	1.79
(1,358)	1:460:A:GLN:HA	1:463:A:ILE:H	8	1.79
(1,226)	1:418:A:ASP:H	1:418:A:ASP:HB3	20	1.79
(1,224)	1:417:A:GLY:HA2	1:418:A:ASP:H	17	1.79
(1,218)	1:461:A:ALA:HB1	1:462:A:ALA:H	7	1.79
(1,218)	1:461:A:ALA:HB2	1:462:A:ALA:H	7	1.79
(1,218)	1:461:A:ALA:HB3	1:462:A:ALA:H	7	1.79
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD1	18	1.79
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD2	18	1.79
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD1	16	1.79
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD2	16	1.79
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD11	15	1.79
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD12	15	1.79
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD13	15	1.79
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD21	15	1.79
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD22	15	1.79
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD23	15	1.79
(1,135)	1:422:A:LEU:H	1:422:A:LEU:HB3	2	1.79
(1,117)	1:489:A:PRO:HG2	1:490:A:TYR:H	14	1.79
(1,91)	1:480:A:LEU:HD11	1:481:A:LYS:H	20	1.79
(1,91)	1:480:A:LEU:HD12	1:481:A:LYS:H	20	1.79
(1,91)	1:480:A:LEU:HD13	1:481:A:LYS:H	20	1.79
(1,91)	1:480:A:LEU:HD21	1:481:A:LYS:H	20	1.79
(1,91)	1:480:A:LEU:HD22	1:481:A:LYS:H	20	1.79
(1,91)	1:480:A:LEU:HD23	1:481:A:LYS:H	20	1.79
(1,55)	1:471:A:ILE:H	1:475:A:ARG:HA	10	1.79
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG2	14	1.79
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG3	14	1.79
(1,1537)	1:448:A:PHE:HD1	1:449:A:GLY:H	9	1.78
(1,1537)	1:448:A:PHE:HD2	1:449:A:GLY:H	9	1.78
(1,1532)	1:422:A:LEU:HA	1:422:A:LEU:HG	14	1.78
(1,1460)	1:423:A:GLN:HA	1:423:A:GLN:HG3	4	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	10	1.78
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	10	1.78
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	10	1.78
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	10	1.78
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	10	1.78
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	10	1.78
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	10	1.78
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	10	1.78
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	10	1.78
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	10	1.78
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	10	1.78
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	10	1.78
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	10	1.78
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	10	1.78
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	10	1.78
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	10	1.78
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	10	1.78
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	10	1.78
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG2	3	1.78
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG3	3	1.78
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG2	11	1.78
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG3	11	1.78
(1,1224)	1:464:A:GLN:HB2	1:465:A:ALA:H	11	1.78
(1,1224)	1:464:A:GLN:HB3	1:465:A:ALA:H	11	1.78
(1,1212)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	2	1.78
(1,1212)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	2	1.78
(1,1212)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	2	1.78
(1,1197)	1:441:A:GLN:HB2	1:442:A:THR:H	10	1.78
(1,1112)	1:423:A:GLN:HA	1:423:A:GLN:HG3	4	1.78
(1,1111)	1:423:A:GLN:HA	1:423:A:GLN:HG2	9	1.78
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG21	6	1.78
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG22	6	1.78
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG23	6	1.78
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	11	1.78
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	11	1.78
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	11	1.78
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	11	1.78
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	11	1.78
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	11	1.78
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	11	1.78
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	11	1.78
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	11	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:421:A:ILE:HB	1:422:A:LEU:H	5	1.78
(1,1019)	1:432:A:ILE:H	1:432:A:ILE:HB	15	1.78
(1,954)	1:463:A:ILE:HG21	1:464:A:GLN:H	14	1.78
(1,954)	1:463:A:ILE:HG22	1:464:A:GLN:H	14	1.78
(1,954)	1:463:A:ILE:HG23	1:464:A:GLN:H	14	1.78
(1,940)	1:486:A:ASP:H	1:486:A:ASP:HB2	1	1.78
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB1	19	1.78
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB2	19	1.78
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB3	19	1.78
(1,927)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	2	1.78
(1,927)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	2	1.78
(1,927)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	2	1.78
(1,923)	1:455:A:ASN:HB3	1:457:A:VAL:H	9	1.78
(1,920)	1:402:A:PRO:HG3	1:455:A:ASN:HB2	2	1.78
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	8	1.78
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	8	1.78
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	8	1.78
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	8	1.78
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	8	1.78
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	8	1.78
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	8	1.78
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	8	1.78
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	8	1.78
(1,851)	1:405:A:ALA:HB1	1:406:A:ASN:H	3	1.78
(1,851)	1:405:A:ALA:HB2	1:406:A:ASN:H	3	1.78
(1,851)	1:405:A:ALA:HB3	1:406:A:ASN:H	3	1.78
(1,762)	1:457:A:VAL:HG11	1:458:A:SER:H	8	1.78
(1,762)	1:457:A:VAL:HG12	1:458:A:SER:H	8	1.78
(1,762)	1:457:A:VAL:HG13	1:458:A:SER:H	8	1.78
(1,762)	1:457:A:VAL:HG21	1:458:A:SER:H	8	1.78
(1,762)	1:457:A:VAL:HG22	1:458:A:SER:H	8	1.78
(1,762)	1:457:A:VAL:HG23	1:458:A:SER:H	8	1.78
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG2	1	1.78
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG3	1	1.78
(1,659)	1:480:A:LEU:HG	1:481:A:LYS:H	1	1.78
(1,599)	1:428:A:PHE:H	1:429:A:GLY:H	3	1.78
(1,577)	1:401:A:GLY:H	1:452:A:SER:HB2	5	1.78
(1,577)	1:401:A:GLY:H	1:452:A:SER:HB2	17	1.78
(1,522)	1:432:A:ILE:HB	1:433:A:SER:H	11	1.78
(1,495)	1:415:A:GLU:H	1:415:A:GLU:HB3	13	1.78
(1,467)	1:422:A:LEU:HD11	1:423:A:GLN:H	18	1.78
(1,467)	1:422:A:LEU:HD12	1:423:A:GLN:H	18	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,467)	1:422:A:LEU:HD13	1:423:A:GLN:H	18	1.78
(1,467)	1:422:A:LEU:HD21	1:423:A:GLN:H	18	1.78
(1,467)	1:422:A:LEU:HD22	1:423:A:GLN:H	18	1.78
(1,467)	1:422:A:LEU:HD23	1:423:A:GLN:H	18	1.78
(1,439)	1:421:A:ILE:H	1:421:A:ILE:HG13	2	1.78
(1,382)	1:444:A:LEU:H	1:444:A:LEU:HB3	8	1.78
(1,370)	1:482:A:ARG:HB2	1:483:A:SER:H	11	1.78
(1,358)	1:460:A:GLN:HA	1:463:A:ILE:H	5	1.78
(1,321)	1:433:A:SER:H	1:452:A:SER:H	7	1.78
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG2	3	1.78
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG3	3	1.78
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG2	11	1.78
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG3	11	1.78
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB2	10	1.78
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB3	10	1.78
(1,300)	1:405:A:ALA:H	1:456:A:PRO:HD3	13	1.78
(1,262)	1:486:A:ASP:H	1:486:A:ASP:HB2	1	1.78
(1,166)	1:463:A:ILE:HG21	1:480:A:LEU:H	20	1.78
(1,166)	1:463:A:ILE:HG22	1:480:A:LEU:H	20	1.78
(1,166)	1:463:A:ILE:HG23	1:480:A:LEU:H	20	1.78
(1,55)	1:471:A:ILE:H	1:475:A:ARG:HA	14	1.78
(1,55)	1:471:A:ILE:H	1:475:A:ARG:HA	17	1.78
(1,15)	1:432:A:ILE:H	1:432:A:ILE:HB	15	1.78
(1,1)	1:469:A:PHE:HD1	1:470:A:GLN:H	6	1.78
(1,1)	1:469:A:PHE:HD2	1:470:A:GLN:H	6	1.78
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	14	1.77
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	14	1.77
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	14	1.77
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	14	1.77
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	14	1.77
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	14	1.77
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	14	1.77
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	14	1.77
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	14	1.77
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	14	1.77
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	14	1.77
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	14	1.77
(1,1591)	1:411:A:HIS:HB3	1:411:A:HIS:HD2	3	1.77
(1,1591)	1:411:A:HIS:HB3	1:411:A:HIS:HD2	13	1.77
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	10	1.77
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	10	1.77
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	10	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	10	1.77
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	10	1.77
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	10	1.77
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	12	1.77
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	12	1.77
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	12	1.77
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	12	1.77
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	12	1.77
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	12	1.77
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD1	9	1.77
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD2	9	1.77
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG2	3	1.77
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG3	3	1.77
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD11	12	1.77
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD12	12	1.77
(1,1428)	1:421:A:ILE:HB	1:421:A:ILE:HD13	12	1.77
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG21	7	1.77
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG22	7	1.77
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG23	7	1.77
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	20	1.77
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	20	1.77
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	20	1.77
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	20	1.77
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	2	1.77
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	2	1.77
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	2	1.77
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	2	1.77
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	2	1.77
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	2	1.77
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	2	1.77
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	2	1.77
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	2	1.77
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	2	1.77
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	2	1.77
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	2	1.77
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	2	1.77
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	2	1.77
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	2	1.77
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	2	1.77
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	2	1.77
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	2	1.77
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	16	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	16	1.77
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	16	1.77
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	16	1.77
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	16	1.77
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	16	1.77
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	16	1.77
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	16	1.77
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	16	1.77
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	16	1.77
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	16	1.77
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	16	1.77
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	16	1.77
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	16	1.77
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	16	1.77
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	16	1.77
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	16	1.77
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	16	1.77
(1,1319)	1:434:A:ALA:HB1	1:451:A:VAL:HA	4	1.77
(1,1319)	1:434:A:ALA:HB2	1:451:A:VAL:HA	4	1.77
(1,1319)	1:434:A:ALA:HB3	1:451:A:VAL:HA	4	1.77
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	14	1.77
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	14	1.77
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	14	1.77
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	14	1.77
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	14	1.77
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	14	1.77
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	14	1.77
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	14	1.77
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	14	1.77
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	14	1.77
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	14	1.77
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	14	1.77
(1,1069)	1:432:A:ILE:HD11	1:454:A:ASP:HA	12	1.77
(1,1069)	1:432:A:ILE:HD12	1:454:A:ASP:HA	12	1.77
(1,1069)	1:432:A:ILE:HD13	1:454:A:ASP:HA	12	1.77
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	4	1.77
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	4	1.77
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	4	1.77
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	4	1.77
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	4	1.77
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	4	1.77
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	4	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	4	1.77
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	4	1.77
(1,1032)	1:430:A:ASN:HB2	1:454:A:ASP:H	15	1.77
(1,1032)	1:430:A:ASN:HB3	1:454:A:ASP:H	15	1.77
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD11	12	1.77
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD12	12	1.77
(1,1021)	1:421:A:ILE:HB	1:421:A:ILE:HD13	12	1.77
(1,975)	1:438:A:ILE:HG21	1:439:A:ASP:H	6	1.77
(1,975)	1:438:A:ILE:HG22	1:439:A:ASP:H	6	1.77
(1,975)	1:438:A:ILE:HG23	1:439:A:ASP:H	6	1.77
(1,963)	1:420:A:ASP:H	1:420:A:ASP:HB3	14	1.77
(1,954)	1:463:A:ILE:HG21	1:464:A:GLN:H	1	1.77
(1,954)	1:463:A:ILE:HG22	1:464:A:GLN:H	1	1.77
(1,954)	1:463:A:ILE:HG23	1:464:A:GLN:H	1	1.77
(1,924)	1:455:A:ASN:H	1:455:A:ASN:HB3	20	1.77
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	2	1.77
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	2	1.77
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	2	1.77
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	2	1.77
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	2	1.77
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	2	1.77
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	2	1.77
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	2	1.77
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	2	1.77
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	2	1.77
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	2	1.77
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	2	1.77
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	2	1.77
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	2	1.77
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	2	1.77
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	2	1.77
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	2	1.77
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	2	1.77
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	16	1.77
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	16	1.77
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	16	1.77
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	16	1.77
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	16	1.77
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	16	1.77
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	16	1.77
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	16	1.77
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	16	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	16	1.77
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	16	1.77
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	16	1.77
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	16	1.77
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	16	1.77
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	16	1.77
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	16	1.77
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	16	1.77
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	16	1.77
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	19	1.77
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	19	1.77
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	19	1.77
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	19	1.77
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	19	1.77
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	19	1.77
(1,891)	1:439:A:ASP:HB3	1:444:A:LEU:H	10	1.77
(1,830)	1:450:A:PHE:HB2	1:451:A:VAL:H	1	1.77
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	4	1.77
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	4	1.77
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	4	1.77
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	4	1.77
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	4	1.77
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	4	1.77
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	4	1.77
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	4	1.77
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	4	1.77
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	4	1.77
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	4	1.77
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	4	1.77
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	4	1.77
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	4	1.77
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	4	1.77
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	4	1.77
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	4	1.77
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	4	1.77
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	4	1.77
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	4	1.77
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	4	1.77
(1,561)	1:410:A:TYR:HD1	1:411:A:HIS:H	4	1.77
(1,561)	1:410:A:TYR:HD2	1:411:A:HIS:H	4	1.77
(1,561)	1:410:A:TYR:HD1	1:411:A:HIS:H	17	1.77
(1,561)	1:410:A:TYR:HD2	1:411:A:HIS:H	17	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:455:A:ASN:H	1:455:A:ASN:HB3	20	1.77
(1,429)	1:463:A:ILE:H	1:464:A:GLN:H	10	1.77
(1,428)	1:442:A:THR:HA	1:443:A:ASN:H	9	1.77
(1,386)	1:420:A:ASP:H	1:420:A:ASP:HB3	14	1.77
(1,377)	1:443:A:ASN:H	1:444:A:LEU:H	11	1.77
(1,300)	1:405:A:ALA:H	1:456:A:PRO:HD3	1	1.77
(1,237)	1:400:A:GLU:H	1:400:A:GLU:HG3	20	1.77
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG12	20	1.77
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG13	20	1.77
(1,189)	1:460:A:GLN:HB2	1:461:A:ALA:H	16	1.77
(1,189)	1:460:A:GLN:HB3	1:461:A:ALA:H	16	1.77
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD11	8	1.77
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD12	8	1.77
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD13	8	1.77
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD21	8	1.77
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD22	8	1.77
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD23	8	1.77
(1,55)	1:471:A:ILE:H	1:475:A:ARG:HA	3	1.77
(1,41)	1:467:A:ASN:HA	1:478:A:VAL:H	18	1.77
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	2	1.76
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	2	1.76
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	2	1.76
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	2	1.76
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	2	1.76
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	2	1.76
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD1	9	1.76
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD2	9	1.76
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD1	17	1.76
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD2	17	1.76
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD2	9	1.76
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD3	9	1.76
(1,1491)	1:407:A:LEU:HD11	1:459:A:ALA:HA	13	1.76
(1,1491)	1:407:A:LEU:HD12	1:459:A:ALA:HA	13	1.76
(1,1491)	1:407:A:LEU:HD13	1:459:A:ALA:HA	13	1.76
(1,1491)	1:407:A:LEU:HD21	1:459:A:ALA:HA	13	1.76
(1,1491)	1:407:A:LEU:HD22	1:459:A:ALA:HA	13	1.76
(1,1491)	1:407:A:LEU:HD23	1:459:A:ALA:HA	13	1.76
(1,1491)	1:407:A:LEU:HD11	1:459:A:ALA:HA	18	1.76
(1,1491)	1:407:A:LEU:HD12	1:459:A:ALA:HA	18	1.76
(1,1491)	1:407:A:LEU:HD13	1:459:A:ALA:HA	18	1.76
(1,1491)	1:407:A:LEU:HD21	1:459:A:ALA:HA	18	1.76
(1,1491)	1:407:A:LEU:HD22	1:459:A:ALA:HA	18	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1491)	1:407:A:LEU:HD23	1:459:A:ALA:HA	18	1.76
(1,1485)	1:398:A:GLN:HA	1:398:A:GLN:HG3	13	1.76
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD2	9	1.76
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD3	9	1.76
(1,1473)	1:398:A:GLN:HA	1:398:A:GLN:HG2	1	1.76
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	14	1.76
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	14	1.76
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	14	1.76
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	14	1.76
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	14	1.76
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	14	1.76
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	14	1.76
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	14	1.76
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	14	1.76
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD1	2	1.76
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD2	2	1.76
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	12	1.76
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	12	1.76
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	12	1.76
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	12	1.76
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	12	1.76
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	12	1.76
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	12	1.76
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	12	1.76
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	12	1.76
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG21	17	1.76
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG22	17	1.76
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG23	17	1.76
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	1	1.76
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	1	1.76
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	1	1.76
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	1	1.76
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	1	1.76
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	1	1.76
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	1	1.76
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	1	1.76
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	1	1.76
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	1	1.76
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	1	1.76
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	1	1.76
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	1	1.76
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	1	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	1	1.76
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	1	1.76
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	1	1.76
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	1	1.76
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG12	10	1.76
(1,1346)	1:463:A:ILE:HA	1:463:A:ILE:HG13	10	1.76
(1,1232)	1:419:A:GLN:HB3	1:420:A:ASP:H	4	1.76
(1,1232)	1:419:A:GLN:HB3	1:420:A:ASP:H	13	1.76
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG2	10	1.76
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG3	10	1.76
(1,1224)	1:464:A:GLN:HB2	1:465:A:ALA:H	1	1.76
(1,1224)	1:464:A:GLN:HB3	1:465:A:ALA:H	1	1.76
(1,1224)	1:464:A:GLN:HB2	1:465:A:ALA:H	17	1.76
(1,1224)	1:464:A:GLN:HB3	1:465:A:ALA:H	17	1.76
(1,1212)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	10	1.76
(1,1212)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	10	1.76
(1,1212)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	10	1.76
(1,1212)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	13	1.76
(1,1212)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	13	1.76
(1,1212)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	13	1.76
(1,1212)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	14	1.76
(1,1212)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	14	1.76
(1,1212)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	14	1.76
(1,1212)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	20	1.76
(1,1212)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	20	1.76
(1,1212)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	20	1.76
(1,1200)	1:398:A:GLN:HB2	1:399:A:LYS:H	11	1.76
(1,1200)	1:398:A:GLN:HB3	1:399:A:LYS:H	11	1.76
(1,1164)	1:407:A:LEU:HD11	1:459:A:ALA:HA	13	1.76
(1,1164)	1:407:A:LEU:HD12	1:459:A:ALA:HA	13	1.76
(1,1164)	1:407:A:LEU:HD13	1:459:A:ALA:HA	13	1.76
(1,1164)	1:407:A:LEU:HD21	1:459:A:ALA:HA	13	1.76
(1,1164)	1:407:A:LEU:HD22	1:459:A:ALA:HA	13	1.76
(1,1164)	1:407:A:LEU:HD23	1:459:A:ALA:HA	13	1.76
(1,1164)	1:407:A:LEU:HD11	1:459:A:ALA:HA	18	1.76
(1,1164)	1:407:A:LEU:HD12	1:459:A:ALA:HA	18	1.76
(1,1164)	1:407:A:LEU:HD13	1:459:A:ALA:HA	18	1.76
(1,1164)	1:407:A:LEU:HD21	1:459:A:ALA:HA	18	1.76
(1,1164)	1:407:A:LEU:HD22	1:459:A:ALA:HA	18	1.76
(1,1164)	1:407:A:LEU:HD23	1:459:A:ALA:HA	18	1.76
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG2	2	1.76
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG3	2	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:422:A:LEU:HD11	1:423:A:GLN:HA	17	1.76
(1,1081)	1:422:A:LEU:HD12	1:423:A:GLN:HA	17	1.76
(1,1081)	1:422:A:LEU:HD13	1:423:A:GLN:HA	17	1.76
(1,1081)	1:422:A:LEU:HD21	1:423:A:GLN:HA	17	1.76
(1,1081)	1:422:A:LEU:HD22	1:423:A:GLN:HA	17	1.76
(1,1081)	1:422:A:LEU:HD23	1:423:A:GLN:HA	17	1.76
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	14	1.76
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	14	1.76
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	14	1.76
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	14	1.76
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	14	1.76
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	14	1.76
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	14	1.76
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	14	1.76
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	14	1.76
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	12	1.76
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	12	1.76
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	12	1.76
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	12	1.76
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	12	1.76
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	12	1.76
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	12	1.76
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	12	1.76
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	12	1.76
(1,1013)	1:463:A:ILE:HB	1:464:A:GLN:H	4	1.76
(1,927)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	10	1.76
(1,927)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	10	1.76
(1,927)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	10	1.76
(1,927)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	13	1.76
(1,927)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	13	1.76
(1,927)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	13	1.76
(1,927)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	14	1.76
(1,927)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	14	1.76
(1,927)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	14	1.76
(1,927)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	20	1.76
(1,927)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	20	1.76
(1,927)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	20	1.76
(1,924)	1:455:A:ASN:H	1:455:A:ASN:HB3	10	1.76
(1,924)	1:455:A:ASN:H	1:455:A:ASN:HB3	11	1.76
(1,924)	1:455:A:ASN:H	1:455:A:ASN:HB3	18	1.76
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	1	1.76
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	1	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	1	1.76
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	1	1.76
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	1	1.76
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	1	1.76
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	1	1.76
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	1	1.76
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	1	1.76
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	1	1.76
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	1	1.76
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	1	1.76
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	1	1.76
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	1	1.76
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	1	1.76
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	1	1.76
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	1	1.76
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	1	1.76
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	19	1.76
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	19	1.76
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG12	10	1.76
(1,867)	1:463:A:ILE:HA	1:463:A:ILE:HG13	10	1.76
(1,830)	1:450:A:PHE:HB2	1:451:A:VAL:H	12	1.76
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG21	19	1.76
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG22	19	1.76
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG23	19	1.76
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG2	4	1.76
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG3	4	1.76
(1,659)	1:480:A:LEU:HG	1:481:A:LYS:H	2	1.76
(1,577)	1:401:A:GLY:H	1:452:A:SER:HB2	13	1.76
(1,514)	1:455:A:ASN:H	1:455:A:ASN:HB3	10	1.76
(1,514)	1:455:A:ASN:H	1:455:A:ASN:HB3	11	1.76
(1,514)	1:455:A:ASN:H	1:455:A:ASN:HB3	18	1.76
(1,508)	1:453:A:TYR:HD1	1:455:A:ASN:H	15	1.76
(1,508)	1:453:A:TYR:HD2	1:455:A:ASN:H	15	1.76
(1,439)	1:421:A:ILE:H	1:421:A:ILE:HG13	5	1.76
(1,432)	1:463:A:ILE:HB	1:464:A:GLN:H	4	1.76
(1,419)	1:465:A:ALA:H	1:466:A:MET:H	1	1.76
(1,419)	1:465:A:ALA:H	1:466:A:MET:H	2	1.76
(1,413)	1:441:A:GLN:H	1:442:A:THR:H	2	1.76
(1,392)	1:430:A:ASN:H	1:454:A:ASP:H	4	1.76
(1,387)	1:419:A:GLN:HB3	1:420:A:ASP:H	4	1.76
(1,387)	1:419:A:GLN:HB3	1:420:A:ASP:H	13	1.76
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG21	19	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG22	19	1.76
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG23	19	1.76
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG2	10	1.76
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG3	10	1.76
(1,252)	1:402:A:PRO:HD2	1:453:A:TYR:H	13	1.76
(1,226)	1:418:A:ASP:H	1:418:A:ASP:HB3	1	1.76
(1,226)	1:418:A:ASP:H	1:418:A:ASP:HB3	8	1.76
(1,226)	1:418:A:ASP:H	1:418:A:ASP:HB3	12	1.76
(1,224)	1:417:A:GLY:HA2	1:418:A:ASP:H	12	1.76
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD11	13	1.76
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD12	13	1.76
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD13	13	1.76
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD21	13	1.76
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD22	13	1.76
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD23	13	1.76
(1,166)	1:463:A:ILE:HG21	1:480:A:LEU:H	8	1.76
(1,166)	1:463:A:ILE:HG22	1:480:A:LEU:H	8	1.76
(1,166)	1:463:A:ILE:HG23	1:480:A:LEU:H	8	1.76
(1,166)	1:463:A:ILE:HG21	1:480:A:LEU:H	18	1.76
(1,166)	1:463:A:ILE:HG22	1:480:A:LEU:H	18	1.76
(1,166)	1:463:A:ILE:HG23	1:480:A:LEU:H	18	1.76
(1,130)	1:469:A:PHE:H	1:469:A:PHE:HB2	4	1.76
(1,100)	1:450:A:PHE:HD1	1:451:A:VAL:H	3	1.76
(1,100)	1:450:A:PHE:HD2	1:451:A:VAL:H	3	1.76
(1,100)	1:450:A:PHE:HD1	1:451:A:VAL:H	12	1.76
(1,100)	1:450:A:PHE:HD2	1:451:A:VAL:H	12	1.76
(1,99)	1:407:A:LEU:H	1:451:A:VAL:H	12	1.76
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG2	4	1.76
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG3	4	1.76
(1,75)	1:446:A:LYS:H	1:447:A:CYS:H	19	1.76
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	18	1.75
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	18	1.75
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	18	1.75
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	18	1.75
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	18	1.75
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	18	1.75
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	18	1.75
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	18	1.75
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	18	1.75
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	18	1.75
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	18	1.75
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	18	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	7	1.75
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	7	1.75
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	7	1.75
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	7	1.75
(1,1591)	1:411:A:HIS:HB3	1:411:A:HIS:HD2	7	1.75
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	16	1.75
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	16	1.75
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	16	1.75
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	16	1.75
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	16	1.75
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	16	1.75
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	9	1.75
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	9	1.75
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	9	1.75
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	9	1.75
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	9	1.75
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	9	1.75
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD1	17	1.75
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD2	17	1.75
(1,1497)	1:418:A:ASP:HA	1:435:A:LYS:HA	17	1.75
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG11	9	1.75
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG12	9	1.75
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG13	9	1.75
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG11	19	1.75
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG12	19	1.75
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG13	19	1.75
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG21	3	1.75
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG22	3	1.75
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG23	3	1.75
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	7	1.75
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	7	1.75
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	7	1.75
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG11	9	1.75
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG12	9	1.75
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG13	9	1.75
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG11	19	1.75
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG12	19	1.75
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG13	19	1.75
(1,1324)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	9	1.75
(1,1324)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	9	1.75
(1,1324)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	9	1.75
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	9	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	9	1.75
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	9	1.75
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	9	1.75
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	9	1.75
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	9	1.75
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	9	1.75
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	9	1.75
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	9	1.75
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	18	1.75
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	18	1.75
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	18	1.75
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	18	1.75
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	18	1.75
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	18	1.75
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	18	1.75
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	18	1.75
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	18	1.75
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	18	1.75
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	18	1.75
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	18	1.75
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG2	6	1.75
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG3	6	1.75
(1,1224)	1:464:A:GLN:HB2	1:465:A:ALA:H	14	1.75
(1,1224)	1:464:A:GLN:HB3	1:465:A:ALA:H	14	1.75
(1,1212)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	3	1.75
(1,1212)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	3	1.75
(1,1212)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	3	1.75
(1,1212)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	5	1.75
(1,1212)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	5	1.75
(1,1212)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	5	1.75
(1,1212)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	9	1.75
(1,1212)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	9	1.75
(1,1212)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	9	1.75
(1,1212)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	18	1.75
(1,1212)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	18	1.75
(1,1212)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	18	1.75
(1,1201)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	1	1.75
(1,1201)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	1	1.75
(1,1121)	1:410:A:TYR:HA	1:449:A:GLY:H	1	1.75
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	3	1.75
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	3	1.75
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	3	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	3	1.75
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	3	1.75
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	3	1.75
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	3	1.75
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	3	1.75
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	3	1.75
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD11	2	1.75
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD12	2	1.75
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD13	2	1.75
(1,1032)	1:430:A:ASN:HB2	1:454:A:ASP:H	18	1.75
(1,1032)	1:430:A:ASN:HB3	1:454:A:ASP:H	18	1.75
(1,1023)	1:421:A:ILE:HB	1:422:A:LEU:H	13	1.75
(1,1013)	1:463:A:ILE:HB	1:464:A:GLN:H	3	1.75
(1,927)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	3	1.75
(1,927)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	3	1.75
(1,927)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	3	1.75
(1,927)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	5	1.75
(1,927)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	5	1.75
(1,927)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	5	1.75
(1,927)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	9	1.75
(1,927)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	9	1.75
(1,927)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	9	1.75
(1,927)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	18	1.75
(1,927)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	18	1.75
(1,927)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	18	1.75
(1,924)	1:455:A:ASN:H	1:455:A:ASN:HB3	9	1.75
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	17	1.75
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	17	1.75
(1,837)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	9	1.75
(1,837)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	9	1.75
(1,837)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	9	1.75
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	9	1.75
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	9	1.75
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	9	1.75
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	9	1.75
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	9	1.75
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	9	1.75
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	9	1.75
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	9	1.75
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	9	1.75
(1,800)	1:465:A:ALA:HB1	1:466:A:MET:H	16	1.75
(1,800)	1:465:A:ALA:HB2	1:466:A:MET:H	16	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,800)	1:465:A:ALA:HB3	1:466:A:MET:H	16	1.75
(1,762)	1:457:A:VAL:HG11	1:458:A:SER:H	17	1.75
(1,762)	1:457:A:VAL:HG12	1:458:A:SER:H	17	1.75
(1,762)	1:457:A:VAL:HG13	1:458:A:SER:H	17	1.75
(1,762)	1:457:A:VAL:HG21	1:458:A:SER:H	17	1.75
(1,762)	1:457:A:VAL:HG22	1:458:A:SER:H	17	1.75
(1,762)	1:457:A:VAL:HG23	1:458:A:SER:H	17	1.75
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG21	4	1.75
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG22	4	1.75
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG23	4	1.75
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG21	6	1.75
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG22	6	1.75
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG23	6	1.75
(1,710)	1:478:A:VAL:HG21	1:479:A:GLN:H	17	1.75
(1,710)	1:478:A:VAL:HG22	1:479:A:GLN:H	17	1.75
(1,710)	1:478:A:VAL:HG23	1:479:A:GLN:H	17	1.75
(1,656)	1:474:A:LYS:HA	1:474:A:LYS:HG2	5	1.75
(1,656)	1:474:A:LYS:HA	1:474:A:LYS:HG2	20	1.75
(1,597)	1:441:A:GLN:HB3	1:442:A:THR:H	16	1.75
(1,590)	1:410:A:TYR:HA	1:449:A:GLY:H	1	1.75
(1,586)	1:427:A:PRO:HG2	1:428:A:PHE:H	7	1.75
(1,577)	1:401:A:GLY:H	1:452:A:SER:HB2	4	1.75
(1,561)	1:410:A:TYR:HD1	1:411:A:HIS:H	10	1.75
(1,561)	1:410:A:TYR:HD2	1:411:A:HIS:H	10	1.75
(1,528)	1:430:A:ASN:HB2	1:430:A:ASN:HD22	11	1.75
(1,528)	1:430:A:ASN:HB3	1:430:A:ASN:HD22	11	1.75
(1,514)	1:455:A:ASN:H	1:455:A:ASN:HB3	9	1.75
(1,432)	1:463:A:ILE:HB	1:464:A:GLN:H	3	1.75
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG21	4	1.75
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG22	4	1.75
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG23	4	1.75
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG21	6	1.75
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG22	6	1.75
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG23	6	1.75
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG2	6	1.75
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG3	6	1.75
(1,264)	1:409:A:ILE:H	1:450:A:PHE:HA	20	1.75
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD1	7	1.75
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD2	7	1.75
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG11	8	1.75
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG12	8	1.75
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG13	8	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD1	3	1.75
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD2	3	1.75
(1,118)	1:478:A:VAL:HG21	1:479:A:GLN:H	17	1.75
(1,118)	1:478:A:VAL:HG22	1:479:A:GLN:H	17	1.75
(1,118)	1:478:A:VAL:HG23	1:479:A:GLN:H	17	1.75
(1,84)	1:406:A:ASN:H	1:481:A:LYS:H	5	1.75
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD1	3	1.74
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD2	3	1.74
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD1	13	1.74
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD2	13	1.74
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD1	15	1.74
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD2	15	1.74
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD1	20	1.74
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD2	20	1.74
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD2	6	1.74
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD3	6	1.74
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG2	12	1.74
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG3	12	1.74
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD2	6	1.74
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD3	6	1.74
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	3	1.74
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	3	1.74
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE1	7	1.74
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE2	7	1.74
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE3	7	1.74
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG21	8	1.74
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG22	8	1.74
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG23	8	1.74
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	5	1.74
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	5	1.74
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	5	1.74
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	5	1.74
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	5	1.74
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	5	1.74
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	5	1.74
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	5	1.74
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	5	1.74
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	5	1.74
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	5	1.74
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	5	1.74
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	5	1.74
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	5	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	5	1.74
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	5	1.74
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	5	1.74
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	5	1.74
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	18	1.74
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	18	1.74
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	18	1.74
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	18	1.74
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	18	1.74
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	18	1.74
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	18	1.74
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	18	1.74
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	18	1.74
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	18	1.74
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	18	1.74
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	18	1.74
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	18	1.74
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	18	1.74
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	18	1.74
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	18	1.74
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	18	1.74
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	18	1.74
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG21	15	1.74
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG22	15	1.74
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG23	15	1.74
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	11	1.74
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	11	1.74
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	11	1.74
(1,1232)	1:419:A:GLN:HB3	1:420:A:ASP:H	16	1.74
(1,1224)	1:464:A:GLN:HB2	1:465:A:ALA:H	7	1.74
(1,1224)	1:464:A:GLN:HB3	1:465:A:ALA:H	7	1.74
(1,1212)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	6	1.74
(1,1212)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	6	1.74
(1,1212)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	6	1.74
(1,1212)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	16	1.74
(1,1212)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	16	1.74
(1,1212)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	16	1.74
(1,1121)	1:410:A:TYR:HA	1:449:A:GLY:H	18	1.74
(1,1032)	1:430:A:ASN:HB2	1:454:A:ASP:H	20	1.74
(1,1032)	1:430:A:ASN:HB3	1:454:A:ASP:H	20	1.74
(1,975)	1:438:A:ILE:HG21	1:439:A:ASP:H	7	1.74
(1,975)	1:438:A:ILE:HG22	1:439:A:ASP:H	7	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,975)	1:438:A:ILE:HG23	1:439:A:ASP:H	7	1.74
(1,948)	1:461:A:ALA:HB1	1:462:A:ALA:H	10	1.74
(1,948)	1:461:A:ALA:HB2	1:462:A:ALA:H	10	1.74
(1,948)	1:461:A:ALA:HB3	1:462:A:ALA:H	10	1.74
(1,948)	1:461:A:ALA:HB1	1:462:A:ALA:H	17	1.74
(1,948)	1:461:A:ALA:HB2	1:462:A:ALA:H	17	1.74
(1,948)	1:461:A:ALA:HB3	1:462:A:ALA:H	17	1.74
(1,944)	1:409:A:ILE:H	1:409:A:ILE:HB	15	1.74
(1,927)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	6	1.74
(1,927)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	6	1.74
(1,927)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	6	1.74
(1,927)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	16	1.74
(1,927)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	16	1.74
(1,927)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	16	1.74
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	5	1.74
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	5	1.74
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	5	1.74
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	5	1.74
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	5	1.74
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	5	1.74
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	5	1.74
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	5	1.74
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	5	1.74
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	5	1.74
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	5	1.74
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	5	1.74
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	5	1.74
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	5	1.74
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	5	1.74
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	5	1.74
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	5	1.74
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	5	1.74
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	18	1.74
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	18	1.74
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	18	1.74
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	18	1.74
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	18	1.74
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	18	1.74
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	18	1.74
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	18	1.74
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	18	1.74
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	18	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	18	1.74
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	18	1.74
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	18	1.74
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	18	1.74
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	18	1.74
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	18	1.74
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	18	1.74
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	18	1.74
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD11	3	1.74
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD12	3	1.74
(1,856)	1:409:A:ILE:HG21	1:409:A:ILE:HD13	3	1.74
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD11	3	1.74
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD12	3	1.74
(1,856)	1:409:A:ILE:HG22	1:409:A:ILE:HD13	3	1.74
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD11	3	1.74
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD12	3	1.74
(1,856)	1:409:A:ILE:HG23	1:409:A:ILE:HD13	3	1.74
(1,851)	1:405:A:ALA:HB1	1:406:A:ASN:H	8	1.74
(1,851)	1:405:A:ALA:HB2	1:406:A:ASN:H	8	1.74
(1,851)	1:405:A:ALA:HB3	1:406:A:ASN:H	8	1.74
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG21	2	1.74
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG22	2	1.74
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG23	2	1.74
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG21	15	1.74
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG22	15	1.74
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG23	15	1.74
(1,659)	1:480:A:LEU:HG	1:481:A:LYS:H	8	1.74
(1,641)	1:466:A:MET:HB2	1:476:A:LEU:HG	9	1.74
(1,641)	1:466:A:MET:HB3	1:476:A:LEU:HG	9	1.74
(1,599)	1:428:A:PHE:H	1:429:A:GLY:H	1	1.74
(1,597)	1:441:A:GLN:HB3	1:442:A:THR:H	7	1.74
(1,597)	1:441:A:GLN:HB3	1:442:A:THR:H	13	1.74
(1,590)	1:410:A:TYR:HA	1:449:A:GLY:H	18	1.74
(1,528)	1:430:A:ASN:HB2	1:430:A:ASN:HD22	1	1.74
(1,528)	1:430:A:ASN:HB3	1:430:A:ASN:HD22	1	1.74
(1,528)	1:430:A:ASN:HB2	1:430:A:ASN:HD22	9	1.74
(1,528)	1:430:A:ASN:HB3	1:430:A:ASN:HD22	9	1.74
(1,528)	1:430:A:ASN:HB2	1:430:A:ASN:HD22	15	1.74
(1,528)	1:430:A:ASN:HB3	1:430:A:ASN:HD22	15	1.74
(1,493)	1:413:A:PRO:HB2	1:415:A:GLU:H	4	1.74
(1,493)	1:413:A:PRO:HB3	1:415:A:GLU:H	4	1.74
(1,485)	1:406:A:ASN:H	1:406:A:ASN:HB3	20	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,419)	1:465:A:ALA:H	1:466:A:MET:H	16	1.74
(1,416)	1:440:A:LYS:HB2	1:441:A:GLN:H	19	1.74
(1,416)	1:440:A:LYS:HB3	1:441:A:GLN:H	19	1.74
(1,387)	1:419:A:GLN:HB3	1:420:A:ASP:H	16	1.74
(1,264)	1:409:A:ILE:H	1:450:A:PHE:HA	1	1.74
(1,238)	1:400:A:GLU:H	1:400:A:GLU:HB3	12	1.74
(1,237)	1:400:A:GLU:H	1:400:A:GLU:HG3	15	1.74
(1,226)	1:418:A:ASP:H	1:418:A:ASP:HB3	9	1.74
(1,218)	1:461:A:ALA:HB1	1:462:A:ALA:H	10	1.74
(1,218)	1:461:A:ALA:HB2	1:462:A:ALA:H	10	1.74
(1,218)	1:461:A:ALA:HB3	1:462:A:ALA:H	10	1.74
(1,218)	1:461:A:ALA:HB1	1:462:A:ALA:H	17	1.74
(1,218)	1:461:A:ALA:HB2	1:462:A:ALA:H	17	1.74
(1,218)	1:461:A:ALA:HB3	1:462:A:ALA:H	17	1.74
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD11	6	1.74
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD12	6	1.74
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD13	6	1.74
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD21	6	1.74
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD22	6	1.74
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD23	6	1.74
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD11	17	1.74
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD12	17	1.74
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD13	17	1.74
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD21	17	1.74
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD22	17	1.74
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD23	17	1.74
(1,166)	1:463:A:ILE:HG21	1:480:A:LEU:H	2	1.74
(1,166)	1:463:A:ILE:HG22	1:480:A:LEU:H	2	1.74
(1,166)	1:463:A:ILE:HG23	1:480:A:LEU:H	2	1.74
(1,135)	1:422:A:LEU:H	1:422:A:LEU:HB3	9	1.74
(1,62)	1:435:A:LYS:HE2	1:437:A:PHE:H	20	1.74
(1,62)	1:435:A:LYS:HE3	1:437:A:PHE:H	20	1.74
(1,55)	1:471:A:ILE:H	1:475:A:ARG:HA	6	1.74
(1,41)	1:467:A:ASN:HA	1:478:A:VAL:H	7	1.74
(1,26)	1:426:A:MET:H	1:426:A:MET:HG2	8	1.74
(1,26)	1:426:A:MET:H	1:426:A:MET:HG3	8	1.74
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD1	2	1.73
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD2	2	1.73
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB1	8	1.73
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB2	8	1.73
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB3	8	1.73
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB1	8	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB2	8	1.73
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB3	8	1.73
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	12	1.73
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	12	1.73
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	12	1.73
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	12	1.73
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	12	1.73
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	12	1.73
(1,1537)	1:448:A:PHE:HD1	1:449:A:GLY:H	3	1.73
(1,1537)	1:448:A:PHE:HD2	1:449:A:GLY:H	3	1.73
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD1	12	1.73
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD2	12	1.73
(1,1506)	1:426:A:MET:HE1	1:430:A:ASN:HA	5	1.73
(1,1506)	1:426:A:MET:HE2	1:430:A:ASN:HA	5	1.73
(1,1506)	1:426:A:MET:HE3	1:430:A:ASN:HA	5	1.73
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB1	6	1.73
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB2	6	1.73
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB3	6	1.73
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	14	1.73
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	14	1.73
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	14	1.73
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	14	1.73
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	14	1.73
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	14	1.73
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	14	1.73
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	14	1.73
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	14	1.73
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG21	9	1.73
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG22	9	1.73
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG23	9	1.73
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	7	1.73
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	7	1.73
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	7	1.73
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	7	1.73
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	7	1.73
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	7	1.73
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	7	1.73
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	7	1.73
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	7	1.73
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	7	1.73
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	7	1.73
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	7	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	7	1.73
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	7	1.73
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	7	1.73
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	7	1.73
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	7	1.73
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	7	1.73
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	2	1.73
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	2	1.73
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	2	1.73
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	14	1.73
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	14	1.73
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	14	1.73
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	14	1.73
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	14	1.73
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	14	1.73
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	14	1.73
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	14	1.73
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	14	1.73
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	7	1.73
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	7	1.73
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	7	1.73
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	7	1.73
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	7	1.73
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	7	1.73
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	7	1.73
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	7	1.73
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	7	1.73
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG21	9	1.73
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG22	9	1.73
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG23	9	1.73
(1,1200)	1:398:A:GLN:HB2	1:399:A:LYS:H	14	1.73
(1,1200)	1:398:A:GLN:HB3	1:399:A:LYS:H	14	1.73
(1,1169)	1:462:A:ALA:HA	1:465:A:ALA:H	6	1.73
(1,1166)	1:400:A:GLU:HB2	1:401:A:GLY:H	5	1.73
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG2	3	1.73
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG3	3	1.73
(1,1101)	1:477:A:LYS:HB2	1:478:A:VAL:H	14	1.73
(1,1101)	1:477:A:LYS:HB3	1:478:A:VAL:H	14	1.73
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD11	1	1.73
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD12	1	1.73
(1,1024)	1:471:A:ILE:HB	1:471:A:ILE:HD13	1	1.73
(1,975)	1:438:A:ILE:HG21	1:439:A:ASP:H	2	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,975)	1:438:A:ILE:HG22	1:439:A:ASP:H	2	1.73
(1,975)	1:438:A:ILE:HG23	1:439:A:ASP:H	2	1.73
(1,964)	1:420:A:ASP:H	1:420:A:ASP:HB2	20	1.73
(1,948)	1:461:A:ALA:HB1	1:462:A:ALA:H	3	1.73
(1,948)	1:461:A:ALA:HB2	1:462:A:ALA:H	3	1.73
(1,948)	1:461:A:ALA:HB3	1:462:A:ALA:H	3	1.73
(1,923)	1:455:A:ASN:HB3	1:457:A:VAL:H	13	1.73
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	7	1.73
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	7	1.73
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	7	1.73
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	7	1.73
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	7	1.73
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	7	1.73
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	7	1.73
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	7	1.73
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	7	1.73
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	7	1.73
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	7	1.73
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	7	1.73
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	7	1.73
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	7	1.73
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	7	1.73
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	7	1.73
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	7	1.73
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	7	1.73
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE1	7	1.73
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE2	7	1.73
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	7	1.73
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	7	1.73
(1,851)	1:405:A:ALA:HB1	1:406:A:ASN:H	19	1.73
(1,851)	1:405:A:ALA:HB2	1:406:A:ASN:H	19	1.73
(1,851)	1:405:A:ALA:HB3	1:406:A:ASN:H	19	1.73
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	7	1.73
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	7	1.73
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	7	1.73
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	7	1.73
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	7	1.73
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	7	1.73
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	7	1.73
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	7	1.73
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	7	1.73
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG21	9	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG22	9	1.73
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG23	9	1.73
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG11	3	1.73
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG12	3	1.73
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG13	3	1.73
(1,655)	1:474:A:LYS:H	1:474:A:LYS:HG3	1	1.73
(1,654)	1:474:A:LYS:H	1:474:A:LYS:HG2	1	1.73
(1,597)	1:441:A:GLN:HB3	1:442:A:THR:H	9	1.73
(1,582)	1:400:A:GLU:HB2	1:401:A:GLY:H	5	1.73
(1,561)	1:410:A:TYR:HD1	1:411:A:HIS:H	7	1.73
(1,561)	1:410:A:TYR:HD2	1:411:A:HIS:H	7	1.73
(1,528)	1:430:A:ASN:HB2	1:430:A:ASN:HD22	16	1.73
(1,528)	1:430:A:ASN:HB3	1:430:A:ASN:HD22	16	1.73
(1,528)	1:430:A:ASN:HB2	1:430:A:ASN:HD22	18	1.73
(1,528)	1:430:A:ASN:HB3	1:430:A:ASN:HD22	18	1.73
(1,485)	1:406:A:ASN:H	1:406:A:ASN:HB3	19	1.73
(1,439)	1:421:A:ILE:H	1:421:A:ILE:HG13	18	1.73
(1,428)	1:442:A:THR:HA	1:443:A:ASN:H	8	1.73
(1,421)	1:462:A:ALA:HA	1:465:A:ALA:H	6	1.73
(1,413)	1:441:A:GLN:H	1:442:A:THR:H	12	1.73
(1,388)	1:420:A:ASP:H	1:420:A:ASP:HB2	20	1.73
(1,358)	1:460:A:GLN:HA	1:463:A:ILE:H	19	1.73
(1,218)	1:461:A:ALA:HB1	1:462:A:ALA:H	3	1.73
(1,218)	1:461:A:ALA:HB2	1:462:A:ALA:H	3	1.73
(1,218)	1:461:A:ALA:HB3	1:462:A:ALA:H	3	1.73
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD1	18	1.73
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD2	18	1.73
(1,116)	1:490:A:TYR:H	1:490:A:TYR:HB2	14	1.73
(1,84)	1:406:A:ASN:H	1:481:A:LYS:H	19	1.73
(1,55)	1:471:A:ILE:H	1:475:A:ARG:HA	2	1.73
(1,55)	1:471:A:ILE:H	1:475:A:ARG:HA	15	1.73
(1,39)	1:477:A:LYS:HB2	1:478:A:VAL:H	14	1.73
(1,39)	1:477:A:LYS:HB3	1:478:A:VAL:H	14	1.73
(1,24)	1:426:A:MET:H	1:431:A:VAL:HA	12	1.73
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	2	1.72
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	2	1.72
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	2	1.72
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	2	1.72
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	2	1.72
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	2	1.72
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	2	1.72
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	2	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	2	1.72
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	2	1.72
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	2	1.72
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	2	1.72
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	7	1.72
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	7	1.72
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	7	1.72
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	7	1.72
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	7	1.72
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	7	1.72
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	7	1.72
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	7	1.72
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	7	1.72
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	7	1.72
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	7	1.72
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	7	1.72
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	5	1.72
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	5	1.72
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	5	1.72
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	5	1.72
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	5	1.72
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	5	1.72
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	10	1.72
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	10	1.72
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	10	1.72
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	10	1.72
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	10	1.72
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	10	1.72
(1,1590)	1:411:A:HIS:HB2	1:411:A:HIS:HD2	17	1.72
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD1	5	1.72
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD2	5	1.72
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD1	14	1.72
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD2	14	1.72
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD1	3	1.72
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD2	3	1.72
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD1	19	1.72
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD2	19	1.72
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG2	18	1.72
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG3	18	1.72
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB1	3	1.72
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB2	3	1.72
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB3	3	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB1	3	1.72
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB2	3	1.72
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB3	3	1.72
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB1	3	1.72
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB2	3	1.72
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB3	3	1.72
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	3	1.72
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	3	1.72
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	3	1.72
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	9	1.72
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	9	1.72
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	9	1.72
(1,1253)	1:444:A:LEU:HA	1:444:A:LEU:HG	12	1.72
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	2	1.72
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	2	1.72
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	2	1.72
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	2	1.72
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	2	1.72
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	2	1.72
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	2	1.72
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	2	1.72
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	2	1.72
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	2	1.72
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	2	1.72
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	2	1.72
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	7	1.72
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	7	1.72
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	7	1.72
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	7	1.72
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	7	1.72
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	7	1.72
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	7	1.72
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	7	1.72
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	7	1.72
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	7	1.72
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	7	1.72
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	7	1.72
(1,1239)	1:432:A:ILE:HG12	1:433:A:SER:H	17	1.72
(1,1239)	1:432:A:ILE:HG13	1:433:A:SER:H	17	1.72
(1,1224)	1:464:A:GLN:HB2	1:465:A:ALA:H	5	1.72
(1,1224)	1:464:A:GLN:HB3	1:465:A:ALA:H	5	1.72
(1,1224)	1:464:A:GLN:HB2	1:465:A:ALA:H	13	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1224)	1:464:A:GLN:HB3	1:465:A:ALA:H	13	1.72
(1,1212)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	1	1.72
(1,1212)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	1	1.72
(1,1212)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	1	1.72
(1,1212)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	4	1.72
(1,1212)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	4	1.72
(1,1212)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	4	1.72
(1,1200)	1:398:A:GLN:HB2	1:399:A:LYS:H	13	1.72
(1,1200)	1:398:A:GLN:HB3	1:399:A:LYS:H	13	1.72
(1,1200)	1:398:A:GLN:HB2	1:399:A:LYS:H	20	1.72
(1,1200)	1:398:A:GLN:HB3	1:399:A:LYS:H	20	1.72
(1,1166)	1:400:A:GLU:HB2	1:401:A:GLY:H	11	1.72
(1,1160)	1:459:A:ALA:HA	1:462:A:ALA:H	19	1.72
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG2	13	1.72
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG3	13	1.72
(1,1032)	1:430:A:ASN:HB2	1:454:A:ASP:H	12	1.72
(1,1032)	1:430:A:ASN:HB3	1:454:A:ASP:H	12	1.72
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	8	1.72
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	8	1.72
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	8	1.72
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	8	1.72
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	8	1.72
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	8	1.72
(1,948)	1:461:A:ALA:HB1	1:462:A:ALA:H	1	1.72
(1,948)	1:461:A:ALA:HB2	1:462:A:ALA:H	1	1.72
(1,948)	1:461:A:ALA:HB3	1:462:A:ALA:H	1	1.72
(1,940)	1:486:A:ASP:H	1:486:A:ASP:HB2	9	1.72
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB1	2	1.72
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB2	2	1.72
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB3	2	1.72
(1,927)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	1	1.72
(1,927)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	1	1.72
(1,927)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	1	1.72
(1,927)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	4	1.72
(1,927)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	4	1.72
(1,927)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	4	1.72
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	13	1.72
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	13	1.72
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	13	1.72
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	13	1.72
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	13	1.72
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	13	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG11	12	1.72
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG12	12	1.72
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG13	12	1.72
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG11	17	1.72
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG12	17	1.72
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG13	17	1.72
(1,736)	1:426:A:MET:H	1:431:A:VAL:HG11	15	1.72
(1,736)	1:426:A:MET:H	1:431:A:VAL:HG12	15	1.72
(1,736)	1:426:A:MET:H	1:431:A:VAL:HG13	15	1.72
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG2	10	1.72
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG3	10	1.72
(1,599)	1:428:A:PHE:H	1:429:A:GLY:H	7	1.72
(1,588)	1:409:A:ILE:H	1:449:A:GLY:H	12	1.72
(1,582)	1:400:A:GLU:HB2	1:401:A:GLY:H	11	1.72
(1,556)	1:424:A:MET:HB2	1:425:A:PHE:H	12	1.72
(1,556)	1:424:A:MET:HB3	1:425:A:PHE:H	12	1.72
(1,543)	1:454:A:ASP:H	1:454:A:ASP:HB2	8	1.72
(1,528)	1:430:A:ASN:HB2	1:430:A:ASN:HD22	7	1.72
(1,528)	1:430:A:ASN:HB3	1:430:A:ASN:HD22	7	1.72
(1,528)	1:430:A:ASN:HB2	1:430:A:ASN:HD22	20	1.72
(1,528)	1:430:A:ASN:HB3	1:430:A:ASN:HD22	20	1.72
(1,439)	1:421:A:ILE:H	1:421:A:ILE:HG13	4	1.72
(1,392)	1:430:A:ASN:H	1:454:A:ASP:H	2	1.72
(1,358)	1:460:A:GLN:HA	1:463:A:ILE:H	17	1.72
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB2	17	1.72
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB3	17	1.72
(1,310)	1:475:A:ARG:H	1:475:A:ARG:HD2	12	1.72
(1,262)	1:486:A:ASP:H	1:486:A:ASP:HB2	9	1.72
(1,226)	1:418:A:ASP:H	1:418:A:ASP:HB3	3	1.72
(1,226)	1:418:A:ASP:H	1:418:A:ASP:HB3	16	1.72
(1,218)	1:461:A:ALA:HB1	1:462:A:ALA:H	1	1.72
(1,218)	1:461:A:ALA:HB2	1:462:A:ALA:H	1	1.72
(1,218)	1:461:A:ALA:HB3	1:462:A:ALA:H	1	1.72
(1,214)	1:459:A:ALA:HA	1:462:A:ALA:H	19	1.72
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG11	12	1.72
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG12	12	1.72
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG13	12	1.72
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG11	17	1.72
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG12	17	1.72
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG13	17	1.72
(1,189)	1:460:A:GLN:HB2	1:461:A:ALA:H	9	1.72
(1,189)	1:460:A:GLN:HB3	1:461:A:ALA:H	9	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,189)	1:460:A:GLN:HB2	1:461:A:ALA:H	17	1.72
(1,189)	1:460:A:GLN:HB3	1:461:A:ALA:H	17	1.72
(1,114)	1:489:A:PRO:HA	1:490:A:TYR:H	16	1.72
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG2	10	1.72
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG3	10	1.72
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG2	8	1.72
(1,32)	1:440:A:LYS:H	1:440:A:LYS:HG3	8	1.72
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	5	1.71
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	5	1.71
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	5	1.71
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	5	1.71
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	5	1.71
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	5	1.71
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	5	1.71
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	5	1.71
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	5	1.71
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	5	1.71
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	5	1.71
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	5	1.71
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	13	1.71
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	13	1.71
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	13	1.71
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	13	1.71
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	13	1.71
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	13	1.71
(1,1591)	1:411:A:HIS:HB3	1:411:A:HIS:HD2	16	1.71
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD11	7	1.71
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD12	7	1.71
(1,1571)	1:469:A:PHE:HE1	1:471:A:ILE:HD13	7	1.71
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD11	7	1.71
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD12	7	1.71
(1,1571)	1:469:A:PHE:HE2	1:471:A:ILE:HD13	7	1.71
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD1	14	1.71
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD2	14	1.71
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD1	17	1.71
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD2	17	1.71
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD1	11	1.71
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD2	11	1.71
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD1	17	1.71
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD2	17	1.71
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD1	19	1.71
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD2	19	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1490)	1:438:A:ILE:HG21	1:443:A:ASN:HA	12	1.71
(1,1490)	1:438:A:ILE:HG22	1:443:A:ASN:HA	12	1.71
(1,1490)	1:438:A:ILE:HG23	1:443:A:ASN:HA	12	1.71
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG11	7	1.71
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG12	7	1.71
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG13	7	1.71
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG11	13	1.71
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG12	13	1.71
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG13	13	1.71
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG11	17	1.71
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG12	17	1.71
(1,1409)	1:431:A:VAL:HA	1:431:A:VAL:HG13	17	1.71
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	5	1.71
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	5	1.71
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	5	1.71
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	5	1.71
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	5	1.71
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	5	1.71
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	5	1.71
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	5	1.71
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	5	1.71
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	20	1.71
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	20	1.71
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	20	1.71
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	20	1.71
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	20	1.71
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	20	1.71
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	20	1.71
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	20	1.71
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	20	1.71
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	20	1.71
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	20	1.71
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	20	1.71
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	20	1.71
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	20	1.71
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	20	1.71
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	20	1.71
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	20	1.71
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	20	1.71
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	5	1.71
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	5	1.71
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	5	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	5	1.71
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	5	1.71
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	5	1.71
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	5	1.71
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	5	1.71
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	5	1.71
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG11	7	1.71
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG12	7	1.71
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG13	7	1.71
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG11	13	1.71
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG12	13	1.71
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG13	13	1.71
(1,1324)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	19	1.71
(1,1324)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	19	1.71
(1,1324)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	19	1.71
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	4	1.71
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	4	1.71
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	4	1.71
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG11	17	1.71
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG12	17	1.71
(1,1290)	1:431:A:VAL:HA	1:431:A:VAL:HG13	17	1.71
(1,1249)	1:480:A:LEU:HA	1:480:A:LEU:HG	16	1.71
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	5	1.71
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	5	1.71
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	5	1.71
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	5	1.71
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	5	1.71
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	5	1.71
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	5	1.71
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	5	1.71
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	5	1.71
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	5	1.71
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	5	1.71
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	5	1.71
(1,1214)	1:415:A:GLU:H	1:415:A:GLU:HB2	10	1.71
(1,1200)	1:398:A:GLN:HB2	1:399:A:LYS:H	4	1.71
(1,1200)	1:398:A:GLN:HB3	1:399:A:LYS:H	4	1.71
(1,1166)	1:400:A:GLU:HB2	1:401:A:GLY:H	17	1.71
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG2	8	1.71
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG3	8	1.71
(1,1125)	1:436:A:VAL:H	1:436:A:VAL:HB	14	1.71
(1,1110)	1:423:A:GLN:H	1:423:A:GLN:HG3	10	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1104)	1:441:A:GLN:HA	1:441:A:GLN:HG2	8	1.71
(1,1101)	1:477:A:LYS:HB2	1:478:A:VAL:H	16	1.71
(1,1101)	1:477:A:LYS:HB3	1:478:A:VAL:H	16	1.71
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG21	1	1.71
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG22	1	1.71
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG23	1	1.71
(1,1055)	1:435:A:LYS:HB2	1:436:A:VAL:H	12	1.71
(1,1055)	1:435:A:LYS:HB3	1:436:A:VAL:H	12	1.71
(1,944)	1:409:A:ILE:H	1:409:A:ILE:HB	2	1.71
(1,944)	1:409:A:ILE:H	1:409:A:ILE:HB	10	1.71
(1,924)	1:455:A:ASN:H	1:455:A:ASN:HB3	12	1.71
(1,920)	1:402:A:PRO:HG3	1:455:A:ASN:HB2	3	1.71
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	20	1.71
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	20	1.71
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	20	1.71
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	20	1.71
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	20	1.71
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	20	1.71
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	20	1.71
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	20	1.71
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	20	1.71
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	20	1.71
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	20	1.71
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	20	1.71
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	20	1.71
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	20	1.71
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	20	1.71
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	20	1.71
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	20	1.71
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	20	1.71
(1,837)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	19	1.71
(1,837)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	19	1.71
(1,837)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	19	1.71
(1,830)	1:450:A:PHE:HB2	1:451:A:VAL:H	16	1.71
(1,820)	1:431:A:VAL:HG21	1:434:A:ALA:HB1	19	1.71
(1,820)	1:431:A:VAL:HG21	1:434:A:ALA:HB2	19	1.71
(1,820)	1:431:A:VAL:HG21	1:434:A:ALA:HB3	19	1.71
(1,820)	1:431:A:VAL:HG22	1:434:A:ALA:HB1	19	1.71
(1,820)	1:431:A:VAL:HG22	1:434:A:ALA:HB2	19	1.71
(1,820)	1:431:A:VAL:HG22	1:434:A:ALA:HB3	19	1.71
(1,820)	1:431:A:VAL:HG23	1:434:A:ALA:HB1	19	1.71
(1,820)	1:431:A:VAL:HG23	1:434:A:ALA:HB2	19	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,820)	1:431:A:VAL:HG23	1:434:A:ALA:HB3	19	1.71
(1,710)	1:478:A:VAL:HG21	1:479:A:GLN:H	15	1.71
(1,710)	1:478:A:VAL:HG22	1:479:A:GLN:H	15	1.71
(1,710)	1:478:A:VAL:HG23	1:479:A:GLN:H	15	1.71
(1,582)	1:400:A:GLU:HB2	1:401:A:GLY:H	17	1.71
(1,561)	1:410:A:TYR:HD1	1:411:A:HIS:H	9	1.71
(1,561)	1:410:A:TYR:HD2	1:411:A:HIS:H	9	1.71
(1,514)	1:455:A:ASN:H	1:455:A:ASN:HB3	12	1.71
(1,503)	1:410:A:TYR:HA	1:412:A:LEU:H	3	1.71
(1,467)	1:422:A:LEU:HD11	1:423:A:GLN:H	7	1.71
(1,467)	1:422:A:LEU:HD12	1:423:A:GLN:H	7	1.71
(1,467)	1:422:A:LEU:HD13	1:423:A:GLN:H	7	1.71
(1,467)	1:422:A:LEU:HD21	1:423:A:GLN:H	7	1.71
(1,467)	1:422:A:LEU:HD22	1:423:A:GLN:H	7	1.71
(1,467)	1:422:A:LEU:HD23	1:423:A:GLN:H	7	1.71
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB2	15	1.71
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB3	15	1.71
(1,294)	1:409:A:ILE:HD11	1:450:A:PHE:H	3	1.71
(1,294)	1:409:A:ILE:HD12	1:450:A:PHE:H	3	1.71
(1,294)	1:409:A:ILE:HD13	1:450:A:PHE:H	3	1.71
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD1	1	1.71
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD2	1	1.71
(1,195)	1:435:A:LYS:HB2	1:436:A:VAL:H	12	1.71
(1,195)	1:435:A:LYS:HB3	1:436:A:VAL:H	12	1.71
(1,193)	1:436:A:VAL:H	1:436:A:VAL:HB	14	1.71
(1,118)	1:478:A:VAL:HG21	1:479:A:GLN:H	15	1.71
(1,118)	1:478:A:VAL:HG22	1:479:A:GLN:H	15	1.71
(1,118)	1:478:A:VAL:HG23	1:479:A:GLN:H	15	1.71
(1,55)	1:471:A:ILE:H	1:475:A:ARG:HA	12	1.71
(1,39)	1:477:A:LYS:HB2	1:478:A:VAL:H	16	1.71
(1,39)	1:477:A:LYS:HB3	1:478:A:VAL:H	16	1.71
(1,1590)	1:411:A:HIS:HB2	1:411:A:HIS:HD2	19	1.7
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD1	19	1.7
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD2	19	1.7
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD1	20	1.7
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD2	20	1.7
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD1	16	1.7
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD2	16	1.7
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD1	16	1.7
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD2	16	1.7
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD1	12	1.7
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD2	12	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	4	1.7
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	4	1.7
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	4	1.7
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	4	1.7
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	4	1.7
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	4	1.7
(1,1459)	1:414:A:GLN:HA	1:414:A:GLN:HG3	4	1.7
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD11	15	1.7
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD12	15	1.7
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD13	15	1.7
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG11	4	1.7
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG12	4	1.7
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG13	4	1.7
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG11	16	1.7
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG12	16	1.7
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG13	16	1.7
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG11	17	1.7
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG12	17	1.7
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG13	17	1.7
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG11	20	1.7
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG12	20	1.7
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG13	20	1.7
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD11	15	1.7
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD12	15	1.7
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD13	15	1.7
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	9	1.7
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	9	1.7
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	9	1.7
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	9	1.7
(1,1358)	1:475:A:ARG:HB2	1:475:A:ARG:HD3	19	1.7
(1,1358)	1:475:A:ARG:HB3	1:475:A:ARG:HD3	19	1.7
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG11	4	1.7
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG12	4	1.7
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG13	4	1.7
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG11	16	1.7
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG12	16	1.7
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG13	16	1.7
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG11	17	1.7
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG12	17	1.7
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG13	17	1.7
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG11	20	1.7
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG12	20	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG13	20	1.7
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	20	1.7
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	20	1.7
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	20	1.7
(1,1232)	1:419:A:GLN:HB3	1:420:A:ASP:H	18	1.7
(1,1224)	1:464:A:GLN:HB2	1:465:A:ALA:H	2	1.7
(1,1224)	1:464:A:GLN:HB3	1:465:A:ALA:H	2	1.7
(1,1224)	1:464:A:GLN:HB2	1:465:A:ALA:H	4	1.7
(1,1224)	1:464:A:GLN:HB3	1:465:A:ALA:H	4	1.7
(1,1223)	1:423:A:GLN:HB2	1:424:A:MET:H	8	1.7
(1,1223)	1:423:A:GLN:HB3	1:424:A:MET:H	8	1.7
(1,1223)	1:423:A:GLN:HB2	1:424:A:MET:H	11	1.7
(1,1223)	1:423:A:GLN:HB3	1:424:A:MET:H	11	1.7
(1,1212)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	17	1.7
(1,1212)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	17	1.7
(1,1212)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	17	1.7
(1,1200)	1:398:A:GLN:HB2	1:399:A:LYS:H	1	1.7
(1,1200)	1:398:A:GLN:HB3	1:399:A:LYS:H	1	1.7
(1,1200)	1:398:A:GLN:HB2	1:399:A:LYS:H	9	1.7
(1,1200)	1:398:A:GLN:HB3	1:399:A:LYS:H	9	1.7
(1,1200)	1:398:A:GLN:HB2	1:399:A:LYS:H	18	1.7
(1,1200)	1:398:A:GLN:HB3	1:399:A:LYS:H	18	1.7
(1,1195)	1:403:A:GLU:H	1:403:A:GLU:HB3	11	1.7
(1,1121)	1:410:A:TYR:HA	1:449:A:GLY:H	14	1.7
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD11	15	1.7
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD12	15	1.7
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD13	15	1.7
(1,964)	1:420:A:ASP:H	1:420:A:ASP:HB2	4	1.7
(1,944)	1:409:A:ILE:H	1:409:A:ILE:HB	9	1.7
(1,927)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	17	1.7
(1,927)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	17	1.7
(1,927)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	17	1.7
(1,923)	1:455:A:ASN:HB3	1:457:A:VAL:H	12	1.7
(1,923)	1:455:A:ASN:HB3	1:457:A:VAL:H	18	1.7
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	19	1.7
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	19	1.7
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB1	7	1.7
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB2	7	1.7
(1,855)	1:405:A:ALA:HB1	1:459:A:ALA:HB3	7	1.7
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB1	7	1.7
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB2	7	1.7
(1,855)	1:405:A:ALA:HB2	1:459:A:ALA:HB3	7	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB1	7	1.7
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB2	7	1.7
(1,855)	1:405:A:ALA:HB3	1:459:A:ALA:HB3	7	1.7
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG21	15	1.7
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG22	15	1.7
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG23	15	1.7
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	4	1.7
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	4	1.7
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	4	1.7
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	4	1.7
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	4	1.7
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	4	1.7
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG21	11	1.7
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG22	11	1.7
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG23	11	1.7
(1,656)	1:474:A:LYS:HA	1:474:A:LYS:HG2	10	1.7
(1,654)	1:474:A:LYS:H	1:474:A:LYS:HG2	10	1.7
(1,597)	1:441:A:GLN:HB3	1:442:A:THR:H	2	1.7
(1,590)	1:410:A:TYR:HA	1:449:A:GLY:H	14	1.7
(1,561)	1:410:A:TYR:HD1	1:411:A:HIS:H	15	1.7
(1,561)	1:410:A:TYR:HD2	1:411:A:HIS:H	15	1.7
(1,528)	1:430:A:ASN:HB2	1:430:A:ASN:HD22	13	1.7
(1,528)	1:430:A:ASN:HB3	1:430:A:ASN:HD22	13	1.7
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG21	20	1.7
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG22	20	1.7
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG23	20	1.7
(1,471)	1:423:A:GLN:HB2	1:424:A:MET:H	8	1.7
(1,471)	1:423:A:GLN:HB3	1:424:A:MET:H	8	1.7
(1,471)	1:423:A:GLN:HB2	1:424:A:MET:H	11	1.7
(1,471)	1:423:A:GLN:HB3	1:424:A:MET:H	11	1.7
(1,428)	1:442:A:THR:HA	1:443:A:ASN:H	3	1.7
(1,428)	1:442:A:THR:HA	1:443:A:ASN:H	16	1.7
(1,412)	1:441:A:GLN:H	1:443:A:ASN:H	5	1.7
(1,388)	1:420:A:ASP:H	1:420:A:ASP:HB2	4	1.7
(1,387)	1:419:A:GLN:HB3	1:420:A:ASP:H	18	1.7
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG21	11	1.7
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG22	11	1.7
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG23	11	1.7
(1,328)	1:403:A:GLU:H	1:403:A:GLU:HB3	11	1.7
(1,283)	1:407:A:LEU:HG	1:459:A:ALA:H	12	1.7
(1,170)	1:483:A:SER:HB2	1:484:A:LYS:H	4	1.7
(1,170)	1:483:A:SER:HB3	1:484:A:LYS:H	4	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,26)	1:426:A:MET:H	1:426:A:MET:HG2	11	1.7
(1,26)	1:426:A:MET:H	1:426:A:MET:HG3	11	1.7
(1,1591)	1:411:A:HIS:HB3	1:411:A:HIS:HD2	8	1.69
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	16	1.69
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	16	1.69
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	16	1.69
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	16	1.69
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	16	1.69
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	16	1.69
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD1	8	1.69
(1,1548)	1:453:A:TYR:HA	1:453:A:TYR:HD2	8	1.69
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG2	11	1.69
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG3	11	1.69
(1,1459)	1:414:A:GLN:HA	1:414:A:GLN:HG3	6	1.69
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD11	8	1.69
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD12	8	1.69
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD13	8	1.69
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	5	1.69
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	5	1.69
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	5	1.69
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	5	1.69
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	5	1.69
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	5	1.69
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	5	1.69
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	5	1.69
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	5	1.69
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG11	1	1.69
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG12	1	1.69
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG13	1	1.69
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG11	5	1.69
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG12	5	1.69
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG13	5	1.69
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG11	8	1.69
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG12	8	1.69
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG13	8	1.69
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG11	11	1.69
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG12	11	1.69
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG13	11	1.69
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG11	12	1.69
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG12	12	1.69
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG13	12	1.69
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG11	14	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG12	14	1.69
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG13	14	1.69
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD11	8	1.69
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD12	8	1.69
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD13	8	1.69
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	2	1.69
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	2	1.69
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	2	1.69
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	2	1.69
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	2	1.69
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	2	1.69
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	2	1.69
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	2	1.69
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	2	1.69
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	6	1.69
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	6	1.69
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	6	1.69
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	6	1.69
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	6	1.69
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	6	1.69
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	6	1.69
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	6	1.69
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	6	1.69
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	6	1.69
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	6	1.69
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	6	1.69
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	6	1.69
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	6	1.69
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	6	1.69
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	6	1.69
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	6	1.69
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	6	1.69
(1,1358)	1:475:A:ARG:HB2	1:475:A:ARG:HD3	16	1.69
(1,1358)	1:475:A:ARG:HB3	1:475:A:ARG:HD3	16	1.69
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	2	1.69
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	2	1.69
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	2	1.69
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	2	1.69
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	2	1.69
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	2	1.69
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	2	1.69
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	2	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	2	1.69
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG11	1	1.69
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG12	1	1.69
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG13	1	1.69
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG11	5	1.69
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG12	5	1.69
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG13	5	1.69
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG11	8	1.69
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG12	8	1.69
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG13	8	1.69
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG11	11	1.69
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG12	11	1.69
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG13	11	1.69
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG11	12	1.69
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG12	12	1.69
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG13	12	1.69
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG11	14	1.69
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG12	14	1.69
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG13	14	1.69
(1,1324)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	12	1.69
(1,1324)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	12	1.69
(1,1324)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	12	1.69
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	13	1.69
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	13	1.69
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	13	1.69
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG21	19	1.69
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG22	19	1.69
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG23	19	1.69
(1,1145)	1:474:A:LYS:HA	1:475:A:ARG:HG2	15	1.69
(1,1145)	1:474:A:LYS:HA	1:475:A:ARG:HG3	15	1.69
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	5	1.69
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	5	1.69
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	5	1.69
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	5	1.69
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	5	1.69
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	5	1.69
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	5	1.69
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	5	1.69
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	5	1.69
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD11	10	1.69
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD12	10	1.69
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD13	10	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD11	8	1.69
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD12	8	1.69
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD13	8	1.69
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB1	7	1.69
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB2	7	1.69
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB3	7	1.69
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG21	7	1.69
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG22	7	1.69
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG23	7	1.69
(1,975)	1:438:A:ILE:HG21	1:439:A:ASP:H	20	1.69
(1,975)	1:438:A:ILE:HG22	1:439:A:ASP:H	20	1.69
(1,975)	1:438:A:ILE:HG23	1:439:A:ASP:H	20	1.69
(1,963)	1:420:A:ASP:H	1:420:A:ASP:HB3	17	1.69
(1,948)	1:461:A:ALA:HB1	1:462:A:ALA:H	19	1.69
(1,948)	1:461:A:ALA:HB2	1:462:A:ALA:H	19	1.69
(1,948)	1:461:A:ALA:HB3	1:462:A:ALA:H	19	1.69
(1,944)	1:409:A:ILE:H	1:409:A:ILE:HB	14	1.69
(1,924)	1:455:A:ASN:H	1:455:A:ASN:HB3	19	1.69
(1,923)	1:455:A:ASN:HB3	1:457:A:VAL:H	6	1.69
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	6	1.69
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	6	1.69
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	6	1.69
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	6	1.69
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	6	1.69
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	6	1.69
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	6	1.69
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	6	1.69
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	6	1.69
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	6	1.69
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	6	1.69
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	6	1.69
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	6	1.69
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	6	1.69
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	6	1.69
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	6	1.69
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	6	1.69
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	6	1.69
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	16	1.69
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	16	1.69
(1,837)	1:409:A:ILE:HG21	1:409:A:ILE:HG13	12	1.69
(1,837)	1:409:A:ILE:HG22	1:409:A:ILE:HG13	12	1.69
(1,837)	1:409:A:ILE:HG23	1:409:A:ILE:HG13	12	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:444:A:LEU:HB3	1:445:A:SER:H	18	1.69
(1,830)	1:450:A:PHE:HB2	1:451:A:VAL:H	8	1.69
(1,824)	1:436:A:VAL:HG11	1:437:A:PHE:H	14	1.69
(1,824)	1:436:A:VAL:HG12	1:437:A:PHE:H	14	1.69
(1,824)	1:436:A:VAL:HG13	1:437:A:PHE:H	14	1.69
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG21	19	1.69
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG22	19	1.69
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG23	19	1.69
(1,672)	1:444:A:LEU:H	1:444:A:LEU:HG	6	1.69
(1,656)	1:474:A:LYS:HA	1:474:A:LYS:HG2	16	1.69
(1,597)	1:441:A:GLN:HB3	1:442:A:THR:H	3	1.69
(1,561)	1:410:A:TYR:HD1	1:411:A:HIS:H	12	1.69
(1,561)	1:410:A:TYR:HD2	1:411:A:HIS:H	12	1.69
(1,556)	1:424:A:MET:HB2	1:425:A:PHE:H	6	1.69
(1,556)	1:424:A:MET:HB3	1:425:A:PHE:H	6	1.69
(1,528)	1:430:A:ASN:HB2	1:430:A:ASN:HD22	5	1.69
(1,528)	1:430:A:ASN:HB3	1:430:A:ASN:HD22	5	1.69
(1,522)	1:432:A:ILE:HB	1:433:A:SER:H	14	1.69
(1,514)	1:455:A:ASN:H	1:455:A:ASN:HB3	19	1.69
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB1	2	1.69
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB2	2	1.69
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB3	2	1.69
(1,477)	1:444:A:LEU:HB3	1:445:A:SER:H	18	1.69
(1,413)	1:441:A:GLN:H	1:442:A:THR:H	11	1.69
(1,411)	1:440:A:LYS:H	1:441:A:GLN:H	18	1.69
(1,386)	1:420:A:ASP:H	1:420:A:ASP:HB3	17	1.69
(1,384)	1:444:A:LEU:H	1:444:A:LEU:HG	6	1.69
(1,381)	1:439:A:ASP:HB2	1:444:A:LEU:H	6	1.69
(1,331)	1:466:A:MET:H	1:467:A:ASN:H	8	1.69
(1,300)	1:405:A:ALA:H	1:456:A:PRO:HD3	19	1.69
(1,248)	1:405:A:ALA:HB1	1:453:A:TYR:H	1	1.69
(1,248)	1:405:A:ALA:HB2	1:453:A:TYR:H	1	1.69
(1,248)	1:405:A:ALA:HB3	1:453:A:TYR:H	1	1.69
(1,218)	1:461:A:ALA:HB1	1:462:A:ALA:H	19	1.69
(1,218)	1:461:A:ALA:HB2	1:462:A:ALA:H	19	1.69
(1,218)	1:461:A:ALA:HB3	1:462:A:ALA:H	19	1.69
(1,189)	1:460:A:GLN:HB2	1:461:A:ALA:H	3	1.69
(1,189)	1:460:A:GLN:HB3	1:461:A:ALA:H	3	1.69
(1,189)	1:460:A:GLN:HB2	1:461:A:ALA:H	4	1.69
(1,189)	1:460:A:GLN:HB3	1:461:A:ALA:H	4	1.69
(1,189)	1:460:A:GLN:HB2	1:461:A:ALA:H	14	1.69
(1,189)	1:460:A:GLN:HB3	1:461:A:ALA:H	14	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,166)	1:463:A:ILE:HG21	1:480:A:LEU:H	14	1.69
(1,166)	1:463:A:ILE:HG22	1:480:A:LEU:H	14	1.69
(1,166)	1:463:A:ILE:HG23	1:480:A:LEU:H	14	1.69
(1,135)	1:422:A:LEU:H	1:422:A:LEU:HB3	12	1.69
(1,64)	1:436:A:VAL:HG11	1:437:A:PHE:H	14	1.69
(1,64)	1:436:A:VAL:HG12	1:437:A:PHE:H	14	1.69
(1,64)	1:436:A:VAL:HG13	1:437:A:PHE:H	14	1.69
(1,41)	1:467:A:ASN:HA	1:478:A:VAL:H	11	1.69
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	1	1.68
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	1	1.68
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	1	1.68
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	1	1.68
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	1	1.68
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	1	1.68
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD1	19	1.68
(1,1540)	1:425:A:PHE:HA	1:425:A:PHE:HD2	19	1.68
(1,1490)	1:438:A:ILE:HG21	1:443:A:ASN:HA	10	1.68
(1,1490)	1:438:A:ILE:HG22	1:443:A:ASN:HA	10	1.68
(1,1490)	1:438:A:ILE:HG23	1:443:A:ASN:HA	10	1.68
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD11	15	1.68
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD12	15	1.68
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD13	15	1.68
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD11	15	1.68
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD12	15	1.68
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD13	15	1.68
(1,1459)	1:414:A:GLN:HA	1:414:A:GLN:HG3	14	1.68
(1,1459)	1:414:A:GLN:HA	1:414:A:GLN:HG3	19	1.68
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG11	18	1.68
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG12	18	1.68
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG13	18	1.68
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD11	15	1.68
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD12	15	1.68
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD13	15	1.68
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD11	15	1.68
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD12	15	1.68
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD13	15	1.68
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	13	1.68
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	13	1.68
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	13	1.68
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	13	1.68
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	13	1.68
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	13	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	13	1.68
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	13	1.68
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	13	1.68
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG21	15	1.68
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG22	15	1.68
(1,1377)	1:421:A:ILE:HA	1:421:A:ILE:HG23	15	1.68
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG11	18	1.68
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG12	18	1.68
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG13	18	1.68
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG21	12	1.68
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG22	12	1.68
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG23	12	1.68
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG21	17	1.68
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG22	17	1.68
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG23	17	1.68
(1,1249)	1:480:A:LEU:HA	1:480:A:LEU:HG	12	1.68
(1,1212)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	7	1.68
(1,1212)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	7	1.68
(1,1212)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	7	1.68
(1,1212)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	8	1.68
(1,1212)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	8	1.68
(1,1212)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	8	1.68
(1,1212)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	15	1.68
(1,1212)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	15	1.68
(1,1212)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	15	1.68
(1,1200)	1:398:A:GLN:HB2	1:399:A:LYS:H	3	1.68
(1,1200)	1:398:A:GLN:HB3	1:399:A:LYS:H	3	1.68
(1,1200)	1:398:A:GLN:HB2	1:399:A:LYS:H	12	1.68
(1,1200)	1:398:A:GLN:HB3	1:399:A:LYS:H	12	1.68
(1,1145)	1:474:A:LYS:HA	1:475:A:ARG:HG2	19	1.68
(1,1145)	1:474:A:LYS:HA	1:475:A:ARG:HG3	19	1.68
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG2	16	1.68
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG3	16	1.68
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG2	8	1.68
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG3	8	1.68
(1,1073)	1:432:A:ILE:HD11	1:454:A:ASP:H	19	1.68
(1,1073)	1:432:A:ILE:HD12	1:454:A:ASP:H	19	1.68
(1,1073)	1:432:A:ILE:HD13	1:454:A:ASP:H	19	1.68
(1,1069)	1:432:A:ILE:HD11	1:454:A:ASP:HA	6	1.68
(1,1069)	1:432:A:ILE:HD12	1:454:A:ASP:HA	6	1.68
(1,1069)	1:432:A:ILE:HD13	1:454:A:ASP:HA	6	1.68
(1,1055)	1:435:A:LYS:HB2	1:436:A:VAL:H	6	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1055)	1:435:A:LYS:HB3	1:436:A:VAL:H	6	1.68
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	13	1.68
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	13	1.68
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	13	1.68
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	13	1.68
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	13	1.68
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	13	1.68
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	13	1.68
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	13	1.68
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	13	1.68
(1,1013)	1:463:A:ILE:HB	1:464:A:GLN:H	2	1.68
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG21	2	1.68
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG22	2	1.68
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG23	2	1.68
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG21	3	1.68
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG22	3	1.68
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG23	3	1.68
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG21	8	1.68
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG22	8	1.68
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG23	8	1.68
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG21	10	1.68
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG22	10	1.68
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG23	10	1.68
(1,963)	1:420:A:ASP:H	1:420:A:ASP:HB3	6	1.68
(1,927)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	7	1.68
(1,927)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	7	1.68
(1,927)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	7	1.68
(1,927)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	8	1.68
(1,927)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	8	1.68
(1,927)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	8	1.68
(1,927)	1:421:A:ILE:HG21	1:421:A:ILE:HG13	15	1.68
(1,927)	1:421:A:ILE:HG22	1:421:A:ILE:HG13	15	1.68
(1,927)	1:421:A:ILE:HG23	1:421:A:ILE:HG13	15	1.68
(1,923)	1:455:A:ASN:HB3	1:457:A:VAL:H	5	1.68
(1,923)	1:455:A:ASN:HB3	1:457:A:VAL:H	7	1.68
(1,923)	1:455:A:ASN:HB3	1:457:A:VAL:H	19	1.68
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	6	1.68
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	6	1.68
(1,857)	1:409:A:ILE:HG21	1:410:A:TYR:H	19	1.68
(1,857)	1:409:A:ILE:HG22	1:410:A:TYR:H	19	1.68
(1,857)	1:409:A:ILE:HG23	1:410:A:TYR:H	19	1.68
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	12	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	12	1.68
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	12	1.68
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	12	1.68
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	12	1.68
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	12	1.68
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	8	1.68
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	8	1.68
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	8	1.68
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	8	1.68
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	8	1.68
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	8	1.68
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	8	1.68
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	8	1.68
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	8	1.68
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	8	1.68
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	8	1.68
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	8	1.68
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	8	1.68
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	8	1.68
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	8	1.68
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	8	1.68
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	8	1.68
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	8	1.68
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG21	8	1.68
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG22	8	1.68
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG23	8	1.68
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG21	12	1.68
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG22	12	1.68
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG23	12	1.68
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG21	17	1.68
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG22	17	1.68
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG23	17	1.68
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG21	12	1.68
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG22	12	1.68
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG23	12	1.68
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	8	1.68
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	8	1.68
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	8	1.68
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	8	1.68
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	8	1.68
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	8	1.68
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	8	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	8	1.68
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	8	1.68
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	8	1.68
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	8	1.68
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	8	1.68
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	8	1.68
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	8	1.68
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	8	1.68
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	8	1.68
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	8	1.68
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	8	1.68
(1,586)	1:427:A:PRO:HG2	1:428:A:PHE:H	12	1.68
(1,503)	1:410:A:TYR:HA	1:412:A:LEU:H	4	1.68
(1,495)	1:415:A:GLU:H	1:415:A:GLU:HB3	7	1.68
(1,432)	1:463:A:ILE:HB	1:464:A:GLN:H	2	1.68
(1,392)	1:430:A:ASN:H	1:454:A:ASP:H	13	1.68
(1,386)	1:420:A:ASP:H	1:420:A:ASP:HB3	6	1.68
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG21	12	1.68
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG22	12	1.68
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG23	12	1.68
(1,264)	1:409:A:ILE:H	1:450:A:PHE:HA	16	1.68
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB2	5	1.68
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB3	5	1.68
(1,195)	1:435:A:LYS:HB2	1:436:A:VAL:H	6	1.68
(1,195)	1:435:A:LYS:HB3	1:436:A:VAL:H	6	1.68
(1,189)	1:460:A:GLN:HB2	1:461:A:ALA:H	19	1.68
(1,189)	1:460:A:GLN:HB3	1:461:A:ALA:H	19	1.68
(1,170)	1:483:A:SER:HB2	1:484:A:LYS:H	18	1.68
(1,170)	1:483:A:SER:HB3	1:484:A:LYS:H	18	1.68
(1,166)	1:463:A:ILE:HG21	1:480:A:LEU:H	1	1.68
(1,166)	1:463:A:ILE:HG22	1:480:A:LEU:H	1	1.68
(1,166)	1:463:A:ILE:HG23	1:480:A:LEU:H	1	1.68
(1,166)	1:463:A:ILE:HG21	1:480:A:LEU:H	12	1.68
(1,166)	1:463:A:ILE:HG22	1:480:A:LEU:H	12	1.68
(1,166)	1:463:A:ILE:HG23	1:480:A:LEU:H	12	1.68
(1,41)	1:467:A:ASN:HA	1:478:A:VAL:H	14	1.68
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	18	1.67
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	18	1.67
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	18	1.67
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	18	1.67
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	18	1.67
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	18	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	20	1.67
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	20	1.67
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	20	1.67
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	20	1.67
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	20	1.67
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	20	1.67
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD1	17	1.67
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD2	17	1.67
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD1	17	1.67
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD2	17	1.67
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD11	19	1.67
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD12	19	1.67
(1,1441)	1:432:A:ILE:HB	1:432:A:ILE:HD13	19	1.67
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG11	2	1.67
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG12	2	1.67
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG13	2	1.67
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG11	3	1.67
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG12	3	1.67
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG13	3	1.67
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG11	6	1.67
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG12	6	1.67
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG13	6	1.67
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG11	15	1.67
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG12	15	1.67
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG13	15	1.67
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD11	19	1.67
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD12	19	1.67
(1,1418)	1:432:A:ILE:HB	1:432:A:ILE:HD13	19	1.67
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	14	1.67
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	14	1.67
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	14	1.67
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	14	1.67
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	14	1.67
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	14	1.67
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	14	1.67
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	14	1.67
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	14	1.67
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB1	6	1.67
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB2	6	1.67
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB3	6	1.67
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB1	6	1.67
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB2	6	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB3	6	1.67
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB1	6	1.67
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB2	6	1.67
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB3	6	1.67
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG11	2	1.67
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG12	2	1.67
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG13	2	1.67
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG11	3	1.67
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG12	3	1.67
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG13	3	1.67
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG11	6	1.67
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG12	6	1.67
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG13	6	1.67
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG11	15	1.67
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG12	15	1.67
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG13	15	1.67
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG21	8	1.67
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG22	8	1.67
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG23	8	1.67
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG21	12	1.67
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG22	12	1.67
(1,1279)	1:422:A:LEU:HD11	1:431:A:VAL:HG23	12	1.67
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG21	12	1.67
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG22	12	1.67
(1,1279)	1:422:A:LEU:HD12	1:431:A:VAL:HG23	12	1.67
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG21	12	1.67
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG22	12	1.67
(1,1279)	1:422:A:LEU:HD13	1:431:A:VAL:HG23	12	1.67
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG21	12	1.67
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG22	12	1.67
(1,1279)	1:422:A:LEU:HD21	1:431:A:VAL:HG23	12	1.67
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG21	12	1.67
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG22	12	1.67
(1,1279)	1:422:A:LEU:HD22	1:431:A:VAL:HG23	12	1.67
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG21	12	1.67
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG22	12	1.67
(1,1279)	1:422:A:LEU:HD23	1:431:A:VAL:HG23	12	1.67
(1,1104)	1:441:A:GLN:HA	1:441:A:GLN:HG2	15	1.67
(1,1101)	1:477:A:LYS:HB2	1:478:A:VAL:H	20	1.67
(1,1101)	1:477:A:LYS:HB3	1:478:A:VAL:H	20	1.67
(1,1055)	1:435:A:LYS:HB2	1:436:A:VAL:H	4	1.67
(1,1055)	1:435:A:LYS:HB3	1:436:A:VAL:H	4	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	14	1.67
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	14	1.67
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	14	1.67
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	14	1.67
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	14	1.67
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	14	1.67
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	14	1.67
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	14	1.67
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	14	1.67
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD11	19	1.67
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD12	19	1.67
(1,1020)	1:432:A:ILE:HB	1:432:A:ILE:HD13	19	1.67
(1,1013)	1:463:A:ILE:HB	1:464:A:GLN:H	6	1.67
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG21	13	1.67
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG22	13	1.67
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG23	13	1.67
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG21	14	1.67
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG22	14	1.67
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG23	14	1.67
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG21	16	1.67
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG22	16	1.67
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG23	16	1.67
(1,975)	1:438:A:ILE:HG21	1:439:A:ASP:H	1	1.67
(1,975)	1:438:A:ILE:HG22	1:439:A:ASP:H	1	1.67
(1,975)	1:438:A:ILE:HG23	1:439:A:ASP:H	1	1.67
(1,944)	1:409:A:ILE:H	1:409:A:ILE:HB	11	1.67
(1,939)	1:486:A:ASP:H	1:486:A:ASP:HB3	7	1.67
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB1	11	1.67
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB2	11	1.67
(1,938)	1:456:A:PRO:HA	1:459:A:ALA:HB3	11	1.67
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG21	19	1.67
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG22	19	1.67
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG23	19	1.67
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	8	1.67
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	8	1.67
(1,891)	1:439:A:ASP:HB3	1:444:A:LEU:H	20	1.67
(1,857)	1:409:A:ILE:HG21	1:410:A:TYR:H	1	1.67
(1,857)	1:409:A:ILE:HG22	1:410:A:TYR:H	1	1.67
(1,857)	1:409:A:ILE:HG23	1:410:A:TYR:H	1	1.67
(1,857)	1:409:A:ILE:HG21	1:410:A:TYR:H	9	1.67
(1,857)	1:409:A:ILE:HG22	1:410:A:TYR:H	9	1.67
(1,857)	1:409:A:ILE:HG23	1:410:A:TYR:H	9	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:409:A:ILE:HG21	1:410:A:TYR:H	14	1.67
(1,857)	1:409:A:ILE:HG22	1:410:A:TYR:H	14	1.67
(1,857)	1:409:A:ILE:HG23	1:410:A:TYR:H	14	1.67
(1,830)	1:450:A:PHE:HB2	1:451:A:VAL:H	6	1.67
(1,800)	1:465:A:ALA:HB1	1:466:A:MET:H	1	1.67
(1,800)	1:465:A:ALA:HB2	1:466:A:MET:H	1	1.67
(1,800)	1:465:A:ALA:HB3	1:466:A:MET:H	1	1.67
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG11	17	1.67
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG12	17	1.67
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG13	17	1.67
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG21	8	1.67
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG22	8	1.67
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG23	8	1.67
(1,710)	1:478:A:VAL:HG21	1:479:A:GLN:H	16	1.67
(1,710)	1:478:A:VAL:HG22	1:479:A:GLN:H	16	1.67
(1,710)	1:478:A:VAL:HG23	1:479:A:GLN:H	16	1.67
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	8	1.67
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	8	1.67
(1,660)	1:406:A:ASN:H	1:480:A:LEU:HG	5	1.67
(1,656)	1:474:A:LYS:HA	1:474:A:LYS:HG2	15	1.67
(1,561)	1:410:A:TYR:HD1	1:411:A:HIS:H	5	1.67
(1,561)	1:410:A:TYR:HD2	1:411:A:HIS:H	5	1.67
(1,547)	1:404:A:GLY:H	1:405:A:ALA:H	16	1.67
(1,522)	1:432:A:ILE:HB	1:433:A:SER:H	13	1.67
(1,521)	1:433:A:SER:H	1:433:A:SER:HB3	17	1.67
(1,495)	1:415:A:GLU:H	1:415:A:GLU:HB3	8	1.67
(1,467)	1:422:A:LEU:HD11	1:423:A:GLN:H	11	1.67
(1,467)	1:422:A:LEU:HD12	1:423:A:GLN:H	11	1.67
(1,467)	1:422:A:LEU:HD13	1:423:A:GLN:H	11	1.67
(1,467)	1:422:A:LEU:HD21	1:423:A:GLN:H	11	1.67
(1,467)	1:422:A:LEU:HD22	1:423:A:GLN:H	11	1.67
(1,467)	1:422:A:LEU:HD23	1:423:A:GLN:H	11	1.67
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG21	19	1.67
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG22	19	1.67
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG23	19	1.67
(1,432)	1:463:A:ILE:HB	1:464:A:GLN:H	6	1.67
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB2	19	1.67
(1,313)	1:475:A:ARG:H	1:475:A:ARG:HB3	19	1.67
(1,267)	1:409:A:ILE:H	1:409:A:ILE:HG12	2	1.67
(1,261)	1:486:A:ASP:H	1:486:A:ASP:HB3	7	1.67
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB2	1	1.67
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB3	1	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB2	12	1.67
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB3	12	1.67
(1,226)	1:418:A:ASP:H	1:418:A:ASP:HB3	14	1.67
(1,195)	1:435:A:LYS:HB2	1:436:A:VAL:H	4	1.67
(1,195)	1:435:A:LYS:HB3	1:436:A:VAL:H	4	1.67
(1,121)	1:473:A:MET:H	1:473:A:MET:HG2	17	1.67
(1,118)	1:478:A:VAL:HG21	1:479:A:GLN:H	16	1.67
(1,118)	1:478:A:VAL:HG22	1:479:A:GLN:H	16	1.67
(1,118)	1:478:A:VAL:HG23	1:479:A:GLN:H	16	1.67
(1,103)	1:407:A:LEU:HG	1:479:A:GLN:H	17	1.67
(1,55)	1:471:A:ILE:H	1:475:A:ARG:HA	11	1.67
(1,41)	1:467:A:ASN:HA	1:478:A:VAL:H	17	1.67
(1,41)	1:467:A:ASN:HA	1:478:A:VAL:H	20	1.67
(1,39)	1:477:A:LYS:HB2	1:478:A:VAL:H	20	1.67
(1,39)	1:477:A:LYS:HB3	1:478:A:VAL:H	20	1.67
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	1	1.66
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	1	1.66
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	1	1.66
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	1	1.66
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	1	1.66
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	1	1.66
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD1	7	1.66
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD2	7	1.66
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD1	8	1.66
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD2	8	1.66
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD1	8	1.66
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD2	8	1.66
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD1	1	1.66
(1,1556)	1:469:A:PHE:HA	1:469:A:PHE:HD2	1	1.66
(1,1532)	1:422:A:LEU:HA	1:422:A:LEU:HG	7	1.66
(1,1491)	1:407:A:LEU:HD11	1:459:A:ALA:HA	14	1.66
(1,1491)	1:407:A:LEU:HD12	1:459:A:ALA:HA	14	1.66
(1,1491)	1:407:A:LEU:HD13	1:459:A:ALA:HA	14	1.66
(1,1491)	1:407:A:LEU:HD21	1:459:A:ALA:HA	14	1.66
(1,1491)	1:407:A:LEU:HD22	1:459:A:ALA:HA	14	1.66
(1,1491)	1:407:A:LEU:HD23	1:459:A:ALA:HA	14	1.66
(1,1490)	1:438:A:ILE:HG21	1:443:A:ASN:HA	11	1.66
(1,1490)	1:438:A:ILE:HG22	1:443:A:ASN:HA	11	1.66
(1,1490)	1:438:A:ILE:HG23	1:443:A:ASN:HA	11	1.66
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG21	5	1.66
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG22	5	1.66
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG23	5	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG21	5	1.66
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG22	5	1.66
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG23	5	1.66
(1,1460)	1:423:A:GLN:HA	1:423:A:GLN:HG3	11	1.66
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	18	1.66
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	18	1.66
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	18	1.66
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	18	1.66
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	18	1.66
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	18	1.66
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	18	1.66
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	18	1.66
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	18	1.66
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	1	1.66
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	1	1.66
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	1	1.66
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	1	1.66
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	1	1.66
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	1	1.66
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	1	1.66
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	1	1.66
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	1	1.66
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	7	1.66
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	7	1.66
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	7	1.66
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	7	1.66
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	7	1.66
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	7	1.66
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	7	1.66
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	7	1.66
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	7	1.66
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE2	7	1.66
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE3	7	1.66
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE2	7	1.66
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE3	7	1.66
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	14	1.66
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	14	1.66
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	14	1.66
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	14	1.66
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	14	1.66
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	14	1.66
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	14	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	14	1.66
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	14	1.66
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG21	11	1.66
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG22	11	1.66
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG23	11	1.66
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD11	20	1.66
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD12	20	1.66
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD13	20	1.66
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD21	20	1.66
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD22	20	1.66
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD23	20	1.66
(1,1232)	1:419:A:GLN:HB3	1:420:A:ASP:H	19	1.66
(1,1224)	1:464:A:GLN:HB2	1:465:A:ALA:H	10	1.66
(1,1224)	1:464:A:GLN:HB3	1:465:A:ALA:H	10	1.66
(1,1195)	1:403:A:GLU:H	1:403:A:GLU:HB3	2	1.66
(1,1166)	1:400:A:GLU:HB2	1:401:A:GLY:H	8	1.66
(1,1164)	1:407:A:LEU:HD11	1:459:A:ALA:HA	14	1.66
(1,1164)	1:407:A:LEU:HD12	1:459:A:ALA:HA	14	1.66
(1,1164)	1:407:A:LEU:HD13	1:459:A:ALA:HA	14	1.66
(1,1164)	1:407:A:LEU:HD21	1:459:A:ALA:HA	14	1.66
(1,1164)	1:407:A:LEU:HD22	1:459:A:ALA:HA	14	1.66
(1,1164)	1:407:A:LEU:HD23	1:459:A:ALA:HA	14	1.66
(1,1112)	1:423:A:GLN:HA	1:423:A:GLN:HG3	11	1.66
(1,1055)	1:435:A:LYS:HB2	1:436:A:VAL:H	18	1.66
(1,1055)	1:435:A:LYS:HB3	1:436:A:VAL:H	18	1.66
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	18	1.66
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	18	1.66
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	18	1.66
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	18	1.66
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	18	1.66
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	18	1.66
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	18	1.66
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	18	1.66
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	18	1.66
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	1	1.66
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	1	1.66
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	1	1.66
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	1	1.66
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	1	1.66
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	1	1.66
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	1	1.66
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	1	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	1	1.66
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	7	1.66
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	7	1.66
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	7	1.66
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	7	1.66
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	7	1.66
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	7	1.66
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	7	1.66
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	7	1.66
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	7	1.66
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD11	18	1.66
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD12	18	1.66
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD13	18	1.66
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD11	20	1.66
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD12	20	1.66
(1,1037)	1:463:A:ILE:HB	1:463:A:ILE:HD13	20	1.66
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB1	6	1.66
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB2	6	1.66
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB3	6	1.66
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG21	4	1.66
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG22	4	1.66
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG23	4	1.66
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG21	15	1.66
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG22	15	1.66
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG23	15	1.66
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG21	18	1.66
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG22	18	1.66
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG23	18	1.66
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG21	19	1.66
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG22	19	1.66
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG23	19	1.66
(1,948)	1:461:A:ALA:HB1	1:462:A:ALA:H	12	1.66
(1,948)	1:461:A:ALA:HB2	1:462:A:ALA:H	12	1.66
(1,948)	1:461:A:ALA:HB3	1:462:A:ALA:H	12	1.66
(1,923)	1:455:A:ASN:HB3	1:457:A:VAL:H	10	1.66
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE1	20	1.66
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE2	20	1.66
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	20	1.66
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	20	1.66
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	9	1.66
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	9	1.66
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	9	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	9	1.66
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	9	1.66
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	9	1.66
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	9	1.66
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	9	1.66
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	9	1.66
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	9	1.66
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	9	1.66
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	9	1.66
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	9	1.66
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	9	1.66
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	9	1.66
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	9	1.66
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	9	1.66
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	9	1.66
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	14	1.66
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	14	1.66
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	14	1.66
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	14	1.66
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	14	1.66
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	14	1.66
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	14	1.66
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	14	1.66
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	14	1.66
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG11	11	1.66
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG12	11	1.66
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG13	11	1.66
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG21	11	1.66
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG22	11	1.66
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG23	11	1.66
(1,720)	1:444:A:LEU:HD11	1:445:A:SER:H	19	1.66
(1,720)	1:444:A:LEU:HD12	1:445:A:SER:H	19	1.66
(1,720)	1:444:A:LEU:HD13	1:445:A:SER:H	19	1.66
(1,720)	1:444:A:LEU:HD21	1:445:A:SER:H	19	1.66
(1,720)	1:444:A:LEU:HD22	1:445:A:SER:H	19	1.66
(1,720)	1:444:A:LEU:HD23	1:445:A:SER:H	19	1.66
(1,656)	1:474:A:LYS:HA	1:474:A:LYS:HG2	2	1.66
(1,656)	1:474:A:LYS:HA	1:474:A:LYS:HG2	14	1.66
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	9	1.66
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	9	1.66
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	9	1.66
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	9	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	9	1.66
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	9	1.66
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	9	1.66
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	9	1.66
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	9	1.66
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	9	1.66
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	9	1.66
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	9	1.66
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	9	1.66
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	9	1.66
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	9	1.66
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	9	1.66
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	9	1.66
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	9	1.66
(1,599)	1:428:A:PHE:H	1:429:A:GLY:H	9	1.66
(1,597)	1:441:A:GLN:HB3	1:442:A:THR:H	11	1.66
(1,582)	1:400:A:GLU:HB2	1:401:A:GLY:H	8	1.66
(1,528)	1:430:A:ASN:HB2	1:430:A:ASN:HD22	6	1.66
(1,528)	1:430:A:ASN:HB3	1:430:A:ASN:HD22	6	1.66
(1,496)	1:455:A:ASN:HA	1:455:A:ASN:HD22	20	1.66
(1,479)	1:444:A:LEU:HD11	1:445:A:SER:H	19	1.66
(1,479)	1:444:A:LEU:HD12	1:445:A:SER:H	19	1.66
(1,479)	1:444:A:LEU:HD13	1:445:A:SER:H	19	1.66
(1,479)	1:444:A:LEU:HD21	1:445:A:SER:H	19	1.66
(1,479)	1:444:A:LEU:HD22	1:445:A:SER:H	19	1.66
(1,479)	1:444:A:LEU:HD23	1:445:A:SER:H	19	1.66
(1,463)	1:420:A:ASP:HA	1:423:A:GLN:H	5	1.66
(1,387)	1:419:A:GLN:HB3	1:420:A:ASP:H	19	1.66
(1,328)	1:403:A:GLU:H	1:403:A:GLU:HB3	2	1.66
(1,288)	1:450:A:PHE:H	1:450:A:PHE:HB3	7	1.66
(1,288)	1:450:A:PHE:H	1:450:A:PHE:HB3	8	1.66
(1,252)	1:402:A:PRO:HD2	1:453:A:TYR:H	7	1.66
(1,224)	1:417:A:GLY:HA2	1:418:A:ASP:H	7	1.66
(1,218)	1:461:A:ALA:HB1	1:462:A:ALA:H	12	1.66
(1,218)	1:461:A:ALA:HB2	1:462:A:ALA:H	12	1.66
(1,218)	1:461:A:ALA:HB3	1:462:A:ALA:H	12	1.66
(1,195)	1:435:A:LYS:HB2	1:436:A:VAL:H	18	1.66
(1,195)	1:435:A:LYS:HB3	1:436:A:VAL:H	18	1.66
(1,116)	1:490:A:TYR:H	1:490:A:TYR:HB2	1	1.66
(1,41)	1:467:A:ASN:HA	1:478:A:VAL:H	5	1.66
(1,1590)	1:411:A:HIS:HB2	1:411:A:HIS:HD2	14	1.65
(1,1588)	1:411:A:HIS:H	1:411:A:HIS:HD2	5	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	3	1.65
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	3	1.65
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	3	1.65
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	3	1.65
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	3	1.65
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	3	1.65
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	3	1.65
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	3	1.65
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	3	1.65
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	3	1.65
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	3	1.65
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	3	1.65
(1,1537)	1:448:A:PHE:HD1	1:449:A:GLY:H	1	1.65
(1,1537)	1:448:A:PHE:HD2	1:449:A:GLY:H	1	1.65
(1,1490)	1:438:A:ILE:HG21	1:443:A:ASN:HA	2	1.65
(1,1490)	1:438:A:ILE:HG22	1:443:A:ASN:HA	2	1.65
(1,1490)	1:438:A:ILE:HG23	1:443:A:ASN:HA	2	1.65
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG2	7	1.65
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG3	7	1.65
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG11	10	1.65
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG12	10	1.65
(1,1426)	1:451:A:VAL:HA	1:451:A:VAL:HG13	10	1.65
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	5	1.65
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	5	1.65
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	5	1.65
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	5	1.65
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	5	1.65
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	5	1.65
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	5	1.65
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	5	1.65
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	5	1.65
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	16	1.65
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	16	1.65
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	16	1.65
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	16	1.65
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	16	1.65
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	16	1.65
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	16	1.65
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	16	1.65
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	16	1.65
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB1	5	1.65
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB2	5	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB3	5	1.65
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB1	5	1.65
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB2	5	1.65
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB3	5	1.65
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB1	5	1.65
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB2	5	1.65
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB3	5	1.65
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG11	10	1.65
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG12	10	1.65
(1,1327)	1:451:A:VAL:HA	1:451:A:VAL:HG13	10	1.65
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	2	1.65
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	2	1.65
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	2	1.65
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG2	7	1.65
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG3	7	1.65
(1,1224)	1:464:A:GLN:HB2	1:465:A:ALA:H	18	1.65
(1,1224)	1:464:A:GLN:HB3	1:465:A:ALA:H	18	1.65
(1,1160)	1:459:A:ALA:HA	1:462:A:ALA:H	13	1.65
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG2	5	1.65
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG3	5	1.65
(1,1125)	1:436:A:VAL:H	1:436:A:VAL:HB	1	1.65
(1,1125)	1:436:A:VAL:H	1:436:A:VAL:HB	10	1.65
(1,1055)	1:435:A:LYS:HB2	1:436:A:VAL:H	9	1.65
(1,1055)	1:435:A:LYS:HB3	1:436:A:VAL:H	9	1.65
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	5	1.65
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	5	1.65
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	5	1.65
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	5	1.65
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	5	1.65
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	5	1.65
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	5	1.65
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	5	1.65
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	5	1.65
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	16	1.65
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	16	1.65
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	16	1.65
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	16	1.65
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	16	1.65
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	16	1.65
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	16	1.65
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	16	1.65
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	16	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:421:A:ILE:HB	1:422:A:LEU:H	16	1.65
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG21	6	1.65
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG22	6	1.65
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG23	6	1.65
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG21	11	1.65
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG22	11	1.65
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG23	11	1.65
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG21	20	1.65
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG22	20	1.65
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG23	20	1.65
(1,975)	1:438:A:ILE:HG21	1:439:A:ASP:H	13	1.65
(1,975)	1:438:A:ILE:HG22	1:439:A:ASP:H	13	1.65
(1,975)	1:438:A:ILE:HG23	1:439:A:ASP:H	13	1.65
(1,963)	1:420:A:ASP:H	1:420:A:ASP:HB3	10	1.65
(1,948)	1:461:A:ALA:HB1	1:462:A:ALA:H	2	1.65
(1,948)	1:461:A:ALA:HB2	1:462:A:ALA:H	2	1.65
(1,948)	1:461:A:ALA:HB3	1:462:A:ALA:H	2	1.65
(1,939)	1:486:A:ASP:H	1:486:A:ASP:HB3	6	1.65
(1,939)	1:486:A:ASP:H	1:486:A:ASP:HB3	16	1.65
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	9	1.65
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	9	1.65
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	20	1.65
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	20	1.65
(1,878)	1:408:A:PHE:HB2	1:448:A:PHE:HB2	11	1.65
(1,878)	1:408:A:PHE:HB2	1:448:A:PHE:HB3	11	1.65
(1,878)	1:408:A:PHE:HB3	1:448:A:PHE:HB2	11	1.65
(1,878)	1:408:A:PHE:HB3	1:448:A:PHE:HB3	11	1.65
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG11	19	1.65
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG12	19	1.65
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG13	19	1.65
(1,682)	1:442:A:THR:HB	1:443:A:ASN:H	19	1.65
(1,672)	1:444:A:LEU:H	1:444:A:LEU:HG	1	1.65
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	9	1.65
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	9	1.65
(1,656)	1:474:A:LYS:HA	1:474:A:LYS:HG2	17	1.65
(1,654)	1:474:A:LYS:H	1:474:A:LYS:HG2	7	1.65
(1,654)	1:474:A:LYS:H	1:474:A:LYS:HG2	8	1.65
(1,654)	1:474:A:LYS:H	1:474:A:LYS:HG2	18	1.65
(1,640)	1:466:A:MET:HG2	1:476:A:LEU:HG	10	1.65
(1,640)	1:466:A:MET:HG3	1:476:A:LEU:HG	10	1.65
(1,563)	1:410:A:TYR:HB3	1:411:A:HIS:H	12	1.65
(1,561)	1:410:A:TYR:HD1	1:411:A:HIS:H	18	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:410:A:TYR:HD2	1:411:A:HIS:H	18	1.65
(1,528)	1:430:A:ASN:HB2	1:430:A:ASN:HD22	3	1.65
(1,528)	1:430:A:ASN:HB3	1:430:A:ASN:HD22	3	1.65
(1,528)	1:430:A:ASN:HB2	1:430:A:ASN:HD22	10	1.65
(1,528)	1:430:A:ASN:HB3	1:430:A:ASN:HD22	10	1.65
(1,528)	1:430:A:ASN:HB2	1:430:A:ASN:HD22	14	1.65
(1,528)	1:430:A:ASN:HB3	1:430:A:ASN:HD22	14	1.65
(1,452)	1:459:A:ALA:H	1:460:A:GLN:H	16	1.65
(1,429)	1:463:A:ILE:H	1:464:A:GLN:H	14	1.65
(1,413)	1:441:A:GLN:H	1:442:A:THR:H	7	1.65
(1,386)	1:420:A:ASP:H	1:420:A:ASP:HB3	10	1.65
(1,384)	1:444:A:LEU:H	1:444:A:LEU:HG	1	1.65
(1,358)	1:460:A:GLN:HA	1:463:A:ILE:H	13	1.65
(1,300)	1:405:A:ALA:H	1:456:A:PRO:HD3	12	1.65
(1,278)	1:453:A:TYR:HD1	1:459:A:ALA:H	2	1.65
(1,278)	1:453:A:TYR:HD2	1:459:A:ALA:H	2	1.65
(1,261)	1:486:A:ASP:H	1:486:A:ASP:HB3	6	1.65
(1,261)	1:486:A:ASP:H	1:486:A:ASP:HB3	16	1.65
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB2	2	1.65
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB3	2	1.65
(1,232)	1:438:A:ILE:H	1:438:A:ILE:HB	17	1.65
(1,218)	1:461:A:ALA:HB1	1:462:A:ALA:H	2	1.65
(1,218)	1:461:A:ALA:HB2	1:462:A:ALA:H	2	1.65
(1,218)	1:461:A:ALA:HB3	1:462:A:ALA:H	2	1.65
(1,214)	1:459:A:ALA:HA	1:462:A:ALA:H	13	1.65
(1,195)	1:435:A:LYS:HB2	1:436:A:VAL:H	9	1.65
(1,195)	1:435:A:LYS:HB3	1:436:A:VAL:H	9	1.65
(1,193)	1:436:A:VAL:H	1:436:A:VAL:HB	1	1.65
(1,193)	1:436:A:VAL:H	1:436:A:VAL:HB	10	1.65
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD11	14	1.65
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD12	14	1.65
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD13	14	1.65
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD21	14	1.65
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD22	14	1.65
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD23	14	1.65
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD11	11	1.65
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD12	11	1.65
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD13	11	1.65
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD21	11	1.65
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD22	11	1.65
(1,159)	1:407:A:LEU:H	1:407:A:LEU:HD23	11	1.65
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD1	15	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD2	15	1.65
(1,135)	1:422:A:LEU:H	1:422:A:LEU:HB3	3	1.65
(1,100)	1:450:A:PHE:HD1	1:451:A:VAL:H	4	1.65
(1,100)	1:450:A:PHE:HD2	1:451:A:VAL:H	4	1.65
(1,26)	1:426:A:MET:H	1:426:A:MET:HG2	19	1.65
(1,26)	1:426:A:MET:H	1:426:A:MET:HG3	19	1.65
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD1	7	1.64
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD2	7	1.64
(1,1506)	1:426:A:MET:HE1	1:430:A:ASN:HA	13	1.64
(1,1506)	1:426:A:MET:HE2	1:430:A:ASN:HA	13	1.64
(1,1506)	1:426:A:MET:HE3	1:430:A:ASN:HA	13	1.64
(1,1498)	1:428:A:PHE:HE1	1:465:A:ALA:HA	19	1.64
(1,1498)	1:428:A:PHE:HE2	1:465:A:ALA:HA	19	1.64
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG2	9	1.64
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG3	9	1.64
(1,1460)	1:423:A:GLN:HA	1:423:A:GLN:HG3	14	1.64
(1,1459)	1:414:A:GLN:HA	1:414:A:GLN:HG3	3	1.64
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE1	19	1.64
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE2	19	1.64
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE3	19	1.64
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	4	1.64
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	4	1.64
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	4	1.64
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	4	1.64
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	4	1.64
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	4	1.64
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	4	1.64
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	4	1.64
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	4	1.64
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	6	1.64
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	6	1.64
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	6	1.64
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	6	1.64
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	6	1.64
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	6	1.64
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	6	1.64
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	6	1.64
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	6	1.64
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	10	1.64
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	10	1.64
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	10	1.64
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	10	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	10	1.64
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	10	1.64
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	10	1.64
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	10	1.64
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	10	1.64
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	10	1.64
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	10	1.64
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	10	1.64
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	10	1.64
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	10	1.64
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	10	1.64
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	10	1.64
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	10	1.64
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	10	1.64
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD11	6	1.64
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD12	6	1.64
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD13	6	1.64
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD21	6	1.64
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD22	6	1.64
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD23	6	1.64
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD11	10	1.64
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD12	10	1.64
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD13	10	1.64
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD21	10	1.64
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD22	10	1.64
(1,1263)	1:480:A:LEU:HA	1:480:A:LEU:HD23	10	1.64
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG2	9	1.64
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG3	9	1.64
(1,1224)	1:464:A:GLN:HB2	1:465:A:ALA:H	3	1.64
(1,1224)	1:464:A:GLN:HB3	1:465:A:ALA:H	3	1.64
(1,1223)	1:423:A:GLN:HB2	1:424:A:MET:H	9	1.64
(1,1223)	1:423:A:GLN:HB3	1:424:A:MET:H	9	1.64
(1,1195)	1:403:A:GLU:H	1:403:A:GLU:HB3	10	1.64
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD11	6	1.64
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD12	6	1.64
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD13	6	1.64
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD21	6	1.64
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD22	6	1.64
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD23	6	1.64
(1,1169)	1:462:A:ALA:HA	1:465:A:ALA:H	4	1.64
(1,1166)	1:400:A:GLU:HB2	1:401:A:GLY:H	10	1.64
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG2	11	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG3	11	1.64
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG2	17	1.64
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG3	17	1.64
(1,1112)	1:423:A:GLN:HA	1:423:A:GLN:HG3	14	1.64
(1,1061)	1:409:A:ILE:HA	1:409:A:ILE:HG12	19	1.64
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	4	1.64
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	4	1.64
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	4	1.64
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	4	1.64
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	4	1.64
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	4	1.64
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	4	1.64
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	4	1.64
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	4	1.64
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD11	11	1.64
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD12	11	1.64
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD13	11	1.64
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	6	1.64
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	6	1.64
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	6	1.64
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	6	1.64
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	6	1.64
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	6	1.64
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	6	1.64
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	6	1.64
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	6	1.64
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG21	1	1.64
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG22	1	1.64
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG23	1	1.64
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG21	5	1.64
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG22	5	1.64
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG23	5	1.64
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG21	9	1.64
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG22	9	1.64
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG23	9	1.64
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG21	12	1.64
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG22	12	1.64
(1,986)	1:431:A:VAL:HA	1:431:A:VAL:HG23	12	1.64
(1,964)	1:420:A:ASP:H	1:420:A:ASP:HB2	3	1.64
(1,923)	1:455:A:ASN:HB3	1:457:A:VAL:H	20	1.64
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	4	1.64
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	4	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	8	1.64
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	8	1.64
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	14	1.64
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	14	1.64
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	18	1.64
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	18	1.64
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	10	1.64
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	10	1.64
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	10	1.64
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	10	1.64
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	10	1.64
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	10	1.64
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	10	1.64
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	10	1.64
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	10	1.64
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	10	1.64
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	10	1.64
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	10	1.64
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	10	1.64
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	10	1.64
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	10	1.64
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	10	1.64
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	10	1.64
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	10	1.64
(1,880)	1:480:A:LEU:HB2	1:481:A:LYS:H	4	1.64
(1,880)	1:480:A:LEU:HB3	1:481:A:LYS:H	4	1.64
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	4	1.64
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	4	1.64
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	4	1.64
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	4	1.64
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	4	1.64
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	4	1.64
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	13	1.64
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	13	1.64
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	13	1.64
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	13	1.64
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	13	1.64
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	13	1.64
(1,830)	1:450:A:PHE:HB2	1:451:A:VAL:H	7	1.64
(1,800)	1:465:A:ALA:HB1	1:466:A:MET:H	17	1.64
(1,800)	1:465:A:ALA:HB2	1:466:A:MET:H	17	1.64
(1,800)	1:465:A:ALA:HB3	1:466:A:MET:H	17	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG11	9	1.64
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG12	9	1.64
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG13	9	1.64
(1,660)	1:406:A:ASN:H	1:480:A:LEU:HG	13	1.64
(1,659)	1:480:A:LEU:HG	1:481:A:LYS:H	17	1.64
(1,656)	1:474:A:LYS:HA	1:474:A:LYS:HG2	3	1.64
(1,654)	1:474:A:LYS:H	1:474:A:LYS:HG2	9	1.64
(1,641)	1:466:A:MET:HB2	1:476:A:LEU:HG	8	1.64
(1,641)	1:466:A:MET:HB3	1:476:A:LEU:HG	8	1.64
(1,595)	1:439:A:ASP:HB3	1:442:A:THR:H	6	1.64
(1,582)	1:400:A:GLU:HB2	1:401:A:GLY:H	10	1.64
(1,556)	1:424:A:MET:HB2	1:425:A:PHE:H	10	1.64
(1,556)	1:424:A:MET:HB3	1:425:A:PHE:H	10	1.64
(1,555)	1:425:A:PHE:H	1:425:A:PHE:HB3	18	1.64
(1,555)	1:425:A:PHE:H	1:425:A:PHE:HB3	20	1.64
(1,528)	1:430:A:ASN:HB2	1:430:A:ASN:HD22	2	1.64
(1,528)	1:430:A:ASN:HB3	1:430:A:ASN:HD22	2	1.64
(1,528)	1:430:A:ASN:HB2	1:430:A:ASN:HD22	12	1.64
(1,528)	1:430:A:ASN:HB3	1:430:A:ASN:HD22	12	1.64
(1,528)	1:430:A:ASN:HB2	1:430:A:ASN:HD22	19	1.64
(1,528)	1:430:A:ASN:HB3	1:430:A:ASN:HD22	19	1.64
(1,471)	1:423:A:GLN:HB2	1:424:A:MET:H	9	1.64
(1,471)	1:423:A:GLN:HB3	1:424:A:MET:H	9	1.64
(1,428)	1:442:A:THR:HA	1:443:A:ASN:H	18	1.64
(1,421)	1:462:A:ALA:HA	1:465:A:ALA:H	4	1.64
(1,416)	1:440:A:LYS:HB2	1:441:A:GLN:H	18	1.64
(1,416)	1:440:A:LYS:HB3	1:441:A:GLN:H	18	1.64
(1,388)	1:420:A:ASP:H	1:420:A:ASP:HB2	3	1.64
(1,328)	1:403:A:GLU:H	1:403:A:GLU:HB3	10	1.64
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB2	18	1.64
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB3	18	1.64
(1,238)	1:400:A:GLU:H	1:400:A:GLU:HB3	4	1.64
(1,224)	1:417:A:GLY:HA2	1:418:A:ASP:H	11	1.64
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD1	17	1.63
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD2	17	1.63
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	20	1.63
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	20	1.63
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	20	1.63
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	20	1.63
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	20	1.63
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	20	1.63
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB1	19	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB2	19	1.63
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB3	19	1.63
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB1	19	1.63
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB2	19	1.63
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB3	19	1.63
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD1	18	1.63
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD2	18	1.63
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD1	18	1.63
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD2	18	1.63
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG2	15	1.63
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG3	15	1.63
(1,1498)	1:428:A:PHE:HE1	1:465:A:ALA:HA	8	1.63
(1,1498)	1:428:A:PHE:HE2	1:465:A:ALA:HA	8	1.63
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG2	15	1.63
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG3	15	1.63
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	5	1.63
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	5	1.63
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	8	1.63
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	8	1.63
(1,1459)	1:414:A:GLN:HA	1:414:A:GLN:HG3	15	1.63
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG21	3	1.63
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG22	3	1.63
(1,1294)	1:436:A:VAL:HA	1:436:A:VAL:HG23	3	1.63
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD11	5	1.63
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD12	5	1.63
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD13	5	1.63
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD21	5	1.63
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD22	5	1.63
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD23	5	1.63
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD11	15	1.63
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD12	15	1.63
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD13	15	1.63
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD21	15	1.63
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD22	15	1.63
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD23	15	1.63
(1,1249)	1:480:A:LEU:HA	1:480:A:LEU:HG	7	1.63
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD11	5	1.63
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD12	5	1.63
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD13	5	1.63
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD21	5	1.63
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD22	5	1.63
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD23	5	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD11	15	1.63
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD12	15	1.63
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD13	15	1.63
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD21	15	1.63
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD22	15	1.63
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD23	15	1.63
(1,1121)	1:410:A:TYR:HA	1:449:A:GLY:H	11	1.63
(1,1023)	1:421:A:ILE:HB	1:422:A:LEU:H	12	1.63
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD11	2	1.63
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD12	2	1.63
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD13	2	1.63
(1,984)	1:416:A:PHE:HB2	1:417:A:GLY:H	8	1.63
(1,975)	1:438:A:ILE:HG21	1:439:A:ASP:H	17	1.63
(1,975)	1:438:A:ILE:HG22	1:439:A:ASP:H	17	1.63
(1,975)	1:438:A:ILE:HG23	1:439:A:ASP:H	17	1.63
(1,964)	1:420:A:ASP:H	1:420:A:ASP:HB2	12	1.63
(1,924)	1:455:A:ASN:H	1:455:A:ASN:HB3	17	1.63
(1,923)	1:455:A:ASN:HB3	1:457:A:VAL:H	11	1.63
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	5	1.63
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	5	1.63
(1,830)	1:450:A:PHE:HB2	1:451:A:VAL:H	4	1.63
(1,830)	1:450:A:PHE:HB2	1:451:A:VAL:H	17	1.63
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG11	9	1.63
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG12	9	1.63
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG13	9	1.63
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG11	9	1.63
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG12	9	1.63
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG13	9	1.63
(1,762)	1:457:A:VAL:HG11	1:458:A:SER:H	9	1.63
(1,762)	1:457:A:VAL:HG12	1:458:A:SER:H	9	1.63
(1,762)	1:457:A:VAL:HG13	1:458:A:SER:H	9	1.63
(1,762)	1:457:A:VAL:HG21	1:458:A:SER:H	9	1.63
(1,762)	1:457:A:VAL:HG22	1:458:A:SER:H	9	1.63
(1,762)	1:457:A:VAL:HG23	1:458:A:SER:H	9	1.63
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG21	3	1.63
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG22	3	1.63
(1,755)	1:436:A:VAL:HA	1:436:A:VAL:HG23	3	1.63
(1,710)	1:478:A:VAL:HG21	1:479:A:GLN:H	1	1.63
(1,710)	1:478:A:VAL:HG22	1:479:A:GLN:H	1	1.63
(1,710)	1:478:A:VAL:HG23	1:479:A:GLN:H	1	1.63
(1,676)	1:481:A:LYS:HG2	1:482:A:ARG:H	14	1.63
(1,676)	1:481:A:LYS:HG3	1:482:A:ARG:H	14	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	2	1.63
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	2	1.63
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	2	1.63
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	2	1.63
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	2	1.63
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	2	1.63
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	2	1.63
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	2	1.63
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	2	1.63
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	2	1.63
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	2	1.63
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	2	1.63
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	2	1.63
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	2	1.63
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	2	1.63
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	2	1.63
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	2	1.63
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	2	1.63
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	1	1.63
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	1	1.63
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	1	1.63
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	1	1.63
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	1	1.63
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	1	1.63
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	1	1.63
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	1	1.63
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	1	1.63
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	1	1.63
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	1	1.63
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	1	1.63
(1,590)	1:410:A:TYR:HA	1:449:A:GLY:H	11	1.63
(1,555)	1:425:A:PHE:H	1:425:A:PHE:HB3	6	1.63
(1,555)	1:425:A:PHE:H	1:425:A:PHE:HB3	14	1.63
(1,514)	1:455:A:ASN:H	1:455:A:ASN:HB3	17	1.63
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB1	14	1.63
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB2	14	1.63
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB3	14	1.63
(1,463)	1:420:A:ASP:HA	1:423:A:GLN:H	6	1.63
(1,463)	1:420:A:ASP:HA	1:423:A:GLN:H	11	1.63
(1,388)	1:420:A:ASP:H	1:420:A:ASP:HB2	12	1.63
(1,288)	1:450:A:PHE:H	1:450:A:PHE:HB3	1	1.63
(1,288)	1:450:A:PHE:H	1:450:A:PHE:HB3	6	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB2	10	1.63
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB3	10	1.63
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB2	13	1.63
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB3	13	1.63
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG21	20	1.63
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG22	20	1.63
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG23	20	1.63
(1,226)	1:418:A:ASP:H	1:418:A:ASP:HB3	13	1.63
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG11	9	1.63
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG12	9	1.63
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG13	9	1.63
(1,170)	1:483:A:SER:HB2	1:484:A:LYS:H	20	1.63
(1,170)	1:483:A:SER:HB3	1:484:A:LYS:H	20	1.63
(1,135)	1:422:A:LEU:H	1:422:A:LEU:HB3	6	1.63
(1,118)	1:478:A:VAL:HG21	1:479:A:GLN:H	1	1.63
(1,118)	1:478:A:VAL:HG22	1:479:A:GLN:H	1	1.63
(1,118)	1:478:A:VAL:HG23	1:479:A:GLN:H	1	1.63
(1,26)	1:426:A:MET:H	1:426:A:MET:HG2	9	1.63
(1,26)	1:426:A:MET:H	1:426:A:MET:HG3	9	1.63
(1,17)	1:431:A:VAL:HG21	1:432:A:ILE:H	3	1.63
(1,17)	1:431:A:VAL:HG22	1:432:A:ILE:H	3	1.63
(1,17)	1:431:A:VAL:HG23	1:432:A:ILE:H	3	1.63
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	13	1.62
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	13	1.62
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG21	16	1.62
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG22	16	1.62
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG23	16	1.62
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG21	16	1.62
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG22	16	1.62
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG23	16	1.62
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	4	1.62
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	4	1.62
(1,1397)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	4	1.62
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	4	1.62
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	4	1.62
(1,1397)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	4	1.62
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	4	1.62
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	4	1.62
(1,1397)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	4	1.62
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	19	1.62
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	19	1.62
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	19	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD11	1	1.62
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD12	1	1.62
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD13	1	1.62
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD21	1	1.62
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD22	1	1.62
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD23	1	1.62
(1,1232)	1:419:A:GLN:HB3	1:420:A:ASP:H	2	1.62
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD11	1	1.62
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD12	1	1.62
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD13	1	1.62
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD21	1	1.62
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD22	1	1.62
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD23	1	1.62
(1,1169)	1:462:A:ALA:HA	1:465:A:ALA:H	16	1.62
(1,1166)	1:400:A:GLU:HB2	1:401:A:GLY:H	2	1.62
(1,1110)	1:423:A:GLN:H	1:423:A:GLN:HG3	5	1.62
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG21	14	1.62
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG22	14	1.62
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG23	14	1.62
(1,1061)	1:409:A:ILE:HA	1:409:A:ILE:HG12	9	1.62
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	9	1.62
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	9	1.62
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	9	1.62
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	9	1.62
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	9	1.62
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	9	1.62
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	9	1.62
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	9	1.62
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	9	1.62
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD11	4	1.62
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD12	4	1.62
(1,1038)	1:463:A:ILE:HG21	1:463:A:ILE:HD13	4	1.62
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD11	4	1.62
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD12	4	1.62
(1,1038)	1:463:A:ILE:HG22	1:463:A:ILE:HD13	4	1.62
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD11	4	1.62
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD12	4	1.62
(1,1038)	1:463:A:ILE:HG23	1:463:A:ILE:HD13	4	1.62
(1,954)	1:463:A:ILE:HG21	1:464:A:GLN:H	13	1.62
(1,954)	1:463:A:ILE:HG22	1:464:A:GLN:H	13	1.62
(1,954)	1:463:A:ILE:HG23	1:464:A:GLN:H	13	1.62
(1,923)	1:455:A:ASN:HB3	1:457:A:VAL:H	15	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	9	1.62
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	9	1.62
(1,887)	1:433:A:SER:HB3	1:434:A:ALA:H	7	1.62
(1,887)	1:433:A:SER:HB3	1:434:A:ALA:H	20	1.62
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG11	6	1.62
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG12	6	1.62
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG13	6	1.62
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG11	8	1.62
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG12	8	1.62
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG13	8	1.62
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG21	19	1.62
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG22	19	1.62
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG23	19	1.62
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG21	19	1.62
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG22	19	1.62
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG23	19	1.62
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG21	19	1.62
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG22	19	1.62
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG23	19	1.62
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD11	12	1.62
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD12	12	1.62
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD13	12	1.62
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD21	12	1.62
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD22	12	1.62
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD23	12	1.62
(1,682)	1:442:A:THR:HB	1:443:A:ASN:H	14	1.62
(1,676)	1:481:A:LYS:HG2	1:482:A:ARG:H	6	1.62
(1,676)	1:481:A:LYS:HG3	1:482:A:ARG:H	6	1.62
(1,654)	1:474:A:LYS:H	1:474:A:LYS:HG2	11	1.62
(1,605)	1:426:A:MET:HA	1:429:A:GLY:H	11	1.62
(1,582)	1:400:A:GLU:HB2	1:401:A:GLY:H	2	1.62
(1,556)	1:424:A:MET:HB2	1:425:A:PHE:H	1	1.62
(1,556)	1:424:A:MET:HB3	1:425:A:PHE:H	1	1.62
(1,555)	1:425:A:PHE:H	1:425:A:PHE:HB3	2	1.62
(1,463)	1:420:A:ASP:HA	1:423:A:GLN:H	3	1.62
(1,452)	1:459:A:ALA:H	1:460:A:GLN:H	7	1.62
(1,439)	1:421:A:ILE:H	1:421:A:ILE:HG13	1	1.62
(1,421)	1:462:A:ALA:HA	1:465:A:ALA:H	16	1.62
(1,387)	1:419:A:GLN:HB3	1:420:A:ASP:H	2	1.62
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD11	12	1.62
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD12	12	1.62
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD13	12	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD21	12	1.62
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD22	12	1.62
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD23	12	1.62
(1,264)	1:409:A:ILE:H	1:450:A:PHE:HA	5	1.62
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB2	6	1.62
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB3	6	1.62
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB2	7	1.62
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB3	7	1.62
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB2	8	1.62
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB3	8	1.62
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB2	17	1.62
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB3	17	1.62
(1,244)	1:399:A:LYS:HD2	1:400:A:GLU:H	17	1.62
(1,244)	1:399:A:LYS:HD3	1:400:A:GLU:H	17	1.62
(1,232)	1:438:A:ILE:H	1:438:A:ILE:HB	9	1.62
(1,226)	1:418:A:ASP:H	1:418:A:ASP:HB3	6	1.62
(1,189)	1:460:A:GLN:HB2	1:461:A:ALA:H	7	1.62
(1,189)	1:460:A:GLN:HB3	1:461:A:ALA:H	7	1.62
(1,170)	1:483:A:SER:HB2	1:484:A:LYS:H	14	1.62
(1,170)	1:483:A:SER:HB3	1:484:A:LYS:H	14	1.62
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD1	4	1.62
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD2	4	1.62
(1,75)	1:446:A:LYS:H	1:447:A:CYS:H	9	1.62
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	9	1.61
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	9	1.61
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	9	1.61
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	9	1.61
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	9	1.61
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	9	1.61
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	3	1.61
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	3	1.61
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	3	1.61
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	3	1.61
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	3	1.61
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	3	1.61
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	15	1.61
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	15	1.61
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	15	1.61
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	15	1.61
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	15	1.61
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	15	1.61
(1,1537)	1:448:A:PHE:HD1	1:449:A:GLY:H	5	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1537)	1:448:A:PHE:HD2	1:449:A:GLY:H	5	1.61
(1,1537)	1:448:A:PHE:HD1	1:449:A:GLY:H	13	1.61
(1,1537)	1:448:A:PHE:HD2	1:449:A:GLY:H	13	1.61
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	1	1.61
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	1	1.61
(1,1490)	1:438:A:ILE:HG21	1:443:A:ASN:HA	20	1.61
(1,1490)	1:438:A:ILE:HG22	1:443:A:ASN:HA	20	1.61
(1,1490)	1:438:A:ILE:HG23	1:443:A:ASN:HA	20	1.61
(1,1460)	1:423:A:GLN:HA	1:423:A:GLN:HG3	8	1.61
(1,1460)	1:423:A:GLN:HA	1:423:A:GLN:HG3	17	1.61
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG21	8	1.61
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG22	8	1.61
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG23	8	1.61
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG21	9	1.61
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG22	9	1.61
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG23	9	1.61
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG21	19	1.61
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG22	19	1.61
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG23	19	1.61
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG21	8	1.61
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG22	8	1.61
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG23	8	1.61
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG21	9	1.61
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG22	9	1.61
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG23	9	1.61
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG21	19	1.61
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG22	19	1.61
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG23	19	1.61
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	9	1.61
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	9	1.61
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	9	1.61
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	9	1.61
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	9	1.61
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	9	1.61
(1,1358)	1:475:A:ARG:HB2	1:475:A:ARG:HD3	15	1.61
(1,1358)	1:475:A:ARG:HB3	1:475:A:ARG:HD3	15	1.61
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	15	1.61
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	15	1.61
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	15	1.61
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	15	1.61
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	15	1.61
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	15	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	15	1.61
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	15	1.61
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	15	1.61
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD11	11	1.61
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD12	11	1.61
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD13	11	1.61
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD21	11	1.61
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD22	11	1.61
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD23	11	1.61
(1,1223)	1:423:A:GLN:HB2	1:424:A:MET:H	17	1.61
(1,1223)	1:423:A:GLN:HB3	1:424:A:MET:H	17	1.61
(1,1195)	1:403:A:GLU:H	1:403:A:GLU:HB3	9	1.61
(1,1112)	1:423:A:GLN:HA	1:423:A:GLN:HG3	8	1.61
(1,1112)	1:423:A:GLN:HA	1:423:A:GLN:HG3	17	1.61
(1,1032)	1:430:A:ASN:HB2	1:454:A:ASP:H	16	1.61
(1,1032)	1:430:A:ASN:HB3	1:454:A:ASP:H	16	1.61
(1,1019)	1:432:A:ILE:H	1:432:A:ILE:HB	8	1.61
(1,948)	1:461:A:ALA:HB1	1:462:A:ALA:H	15	1.61
(1,948)	1:461:A:ALA:HB2	1:462:A:ALA:H	15	1.61
(1,948)	1:461:A:ALA:HB3	1:462:A:ALA:H	15	1.61
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	1	1.61
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	1	1.61
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	1	1.61
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	1	1.61
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	1	1.61
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	1	1.61
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	15	1.61
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	15	1.61
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	15	1.61
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	15	1.61
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	15	1.61
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	15	1.61
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	15	1.61
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	15	1.61
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	15	1.61
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG11	12	1.61
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG12	12	1.61
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG13	12	1.61
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG11	1	1.61
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG12	1	1.61
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG13	1	1.61
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG11	16	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG12	16	1.61
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG13	16	1.61
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD11	11	1.61
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD12	11	1.61
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD13	11	1.61
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD21	11	1.61
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD22	11	1.61
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD23	11	1.61
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG2	18	1.61
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG3	18	1.61
(1,672)	1:444:A:LEU:H	1:444:A:LEU:HG	15	1.61
(1,641)	1:466:A:MET:HB2	1:476:A:LEU:HG	3	1.61
(1,641)	1:466:A:MET:HB3	1:476:A:LEU:HG	3	1.61
(1,555)	1:425:A:PHE:H	1:425:A:PHE:HB3	1	1.61
(1,555)	1:425:A:PHE:H	1:425:A:PHE:HB3	4	1.61
(1,555)	1:425:A:PHE:H	1:425:A:PHE:HB3	5	1.61
(1,528)	1:430:A:ASN:HB2	1:430:A:ASN:HD22	8	1.61
(1,528)	1:430:A:ASN:HB3	1:430:A:ASN:HD22	8	1.61
(1,522)	1:432:A:ILE:HB	1:433:A:SER:H	20	1.61
(1,503)	1:410:A:TYR:HA	1:412:A:LEU:H	9	1.61
(1,471)	1:423:A:GLN:HB2	1:424:A:MET:H	17	1.61
(1,471)	1:423:A:GLN:HB3	1:424:A:MET:H	17	1.61
(1,467)	1:422:A:LEU:HD11	1:423:A:GLN:H	14	1.61
(1,467)	1:422:A:LEU:HD12	1:423:A:GLN:H	14	1.61
(1,467)	1:422:A:LEU:HD13	1:423:A:GLN:H	14	1.61
(1,467)	1:422:A:LEU:HD21	1:423:A:GLN:H	14	1.61
(1,467)	1:422:A:LEU:HD22	1:423:A:GLN:H	14	1.61
(1,467)	1:422:A:LEU:HD23	1:423:A:GLN:H	14	1.61
(1,413)	1:441:A:GLN:H	1:442:A:THR:H	16	1.61
(1,413)	1:441:A:GLN:H	1:442:A:THR:H	18	1.61
(1,384)	1:444:A:LEU:H	1:444:A:LEU:HG	15	1.61
(1,328)	1:403:A:GLU:H	1:403:A:GLU:HB3	9	1.61
(1,288)	1:450:A:PHE:H	1:450:A:PHE:HB3	16	1.61
(1,267)	1:409:A:ILE:H	1:409:A:ILE:HG12	14	1.61
(1,248)	1:405:A:ALA:HB1	1:453:A:TYR:H	3	1.61
(1,248)	1:405:A:ALA:HB2	1:453:A:TYR:H	3	1.61
(1,248)	1:405:A:ALA:HB3	1:453:A:TYR:H	3	1.61
(1,226)	1:418:A:ASP:H	1:418:A:ASP:HB3	11	1.61
(1,218)	1:461:A:ALA:HB1	1:462:A:ALA:H	15	1.61
(1,218)	1:461:A:ALA:HB2	1:462:A:ALA:H	15	1.61
(1,218)	1:461:A:ALA:HB3	1:462:A:ALA:H	15	1.61
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD1	14	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD2	14	1.61
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG2	18	1.61
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG3	18	1.61
(1,15)	1:432:A:ILE:H	1:432:A:ILE:HB	8	1.61
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	14	1.6
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	14	1.6
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	14	1.6
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	14	1.6
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	14	1.6
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	14	1.6
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	7	1.6
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	7	1.6
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	7	1.6
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	7	1.6
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	7	1.6
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	7	1.6
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD1	19	1.6
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD2	19	1.6
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	7	1.6
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	7	1.6
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	7	1.6
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	7	1.6
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	7	1.6
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	7	1.6
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD1	11	1.6
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD2	11	1.6
(1,1506)	1:426:A:MET:HE1	1:430:A:ASN:HA	10	1.6
(1,1506)	1:426:A:MET:HE2	1:430:A:ASN:HA	10	1.6
(1,1506)	1:426:A:MET:HE3	1:430:A:ASN:HA	10	1.6
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG21	13	1.6
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG22	13	1.6
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG23	13	1.6
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG21	13	1.6
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG22	13	1.6
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG23	13	1.6
(1,1459)	1:414:A:GLN:HA	1:414:A:GLN:HG3	18	1.6
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG21	18	1.6
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG22	18	1.6
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG23	18	1.6
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG21	18	1.6
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG22	18	1.6
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG23	18	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB1	12	1.6
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB2	12	1.6
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB3	12	1.6
(1,1358)	1:475:A:ARG:HB2	1:475:A:ARG:HD3	13	1.6
(1,1358)	1:475:A:ARG:HB3	1:475:A:ARG:HD3	13	1.6
(1,1352)	1:412:A:LEU:HG	1:417:A:GLY:HA3	19	1.6
(1,1342)	1:405:A:ALA:HB1	1:453:A:TYR:HB3	15	1.6
(1,1342)	1:405:A:ALA:HB2	1:453:A:TYR:HB3	15	1.6
(1,1342)	1:405:A:ALA:HB3	1:453:A:TYR:HB3	15	1.6
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD11	12	1.6
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD12	12	1.6
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD13	12	1.6
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD21	12	1.6
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD22	12	1.6
(1,1244)	1:407:A:LEU:HA	1:407:A:LEU:HD23	12	1.6
(1,1224)	1:464:A:GLN:HB2	1:465:A:ALA:H	12	1.6
(1,1224)	1:464:A:GLN:HB3	1:465:A:ALA:H	12	1.6
(1,1224)	1:464:A:GLN:HB2	1:465:A:ALA:H	20	1.6
(1,1224)	1:464:A:GLN:HB3	1:465:A:ALA:H	20	1.6
(1,1200)	1:398:A:GLN:HB2	1:399:A:LYS:H	8	1.6
(1,1200)	1:398:A:GLN:HB3	1:399:A:LYS:H	8	1.6
(1,1195)	1:403:A:GLU:H	1:403:A:GLU:HB3	17	1.6
(1,1136)	1:456:A:PRO:HB2	1:457:A:VAL:H	9	1.6
(1,1125)	1:436:A:VAL:H	1:436:A:VAL:HB	16	1.6
(1,1097)	1:441:A:GLN:HA	1:444:A:LEU:H	1	1.6
(1,1069)	1:432:A:ILE:HD11	1:454:A:ASP:HA	3	1.6
(1,1069)	1:432:A:ILE:HD12	1:454:A:ASP:HA	3	1.6
(1,1069)	1:432:A:ILE:HD13	1:454:A:ASP:HA	3	1.6
(1,1019)	1:432:A:ILE:H	1:432:A:ILE:HB	3	1.6
(1,1019)	1:432:A:ILE:H	1:432:A:ILE:HB	19	1.6
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	6	1.6
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	6	1.6
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	1	1.6
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	1	1.6
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	7	1.6
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	7	1.6
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	18	1.6
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	18	1.6
(1,887)	1:433:A:SER:HB3	1:434:A:ALA:H	14	1.6
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	12	1.6
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	12	1.6
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	12	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	12	1.6
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	12	1.6
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	12	1.6
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	12	1.6
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	12	1.6
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	12	1.6
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	12	1.6
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	12	1.6
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	12	1.6
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	12	1.6
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	12	1.6
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	12	1.6
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	12	1.6
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	12	1.6
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	12	1.6
(1,800)	1:465:A:ALA:HB1	1:466:A:MET:H	18	1.6
(1,800)	1:465:A:ALA:HB2	1:466:A:MET:H	18	1.6
(1,800)	1:465:A:ALA:HB3	1:466:A:MET:H	18	1.6
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD11	8	1.6
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD12	8	1.6
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD13	8	1.6
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD21	8	1.6
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD22	8	1.6
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD23	8	1.6
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	6	1.6
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	6	1.6
(1,654)	1:474:A:LYS:H	1:474:A:LYS:HG2	12	1.6
(1,654)	1:474:A:LYS:H	1:474:A:LYS:HG2	16	1.6
(1,640)	1:466:A:MET:HG2	1:476:A:LEU:HG	4	1.6
(1,640)	1:466:A:MET:HG3	1:476:A:LEU:HG	4	1.6
(1,556)	1:424:A:MET:HB2	1:425:A:PHE:H	14	1.6
(1,556)	1:424:A:MET:HB3	1:425:A:PHE:H	14	1.6
(1,445)	1:418:A:ASP:HB2	1:419:A:GLN:H	14	1.6
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD11	8	1.6
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD12	8	1.6
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD13	8	1.6
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD21	8	1.6
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD22	8	1.6
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD23	8	1.6
(1,341)	1:466:A:MET:HB2	1:467:A:ASN:H	2	1.6
(1,341)	1:466:A:MET:HB3	1:467:A:ASN:H	2	1.6
(1,328)	1:403:A:GLU:H	1:403:A:GLU:HB3	17	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,288)	1:450:A:PHE:H	1:450:A:PHE:HB3	4	1.6
(1,274)	1:456:A:PRO:HB2	1:457:A:VAL:H	9	1.6
(1,248)	1:405:A:ALA:HB1	1:453:A:TYR:H	4	1.6
(1,248)	1:405:A:ALA:HB2	1:453:A:TYR:H	4	1.6
(1,248)	1:405:A:ALA:HB3	1:453:A:TYR:H	4	1.6
(1,232)	1:438:A:ILE:H	1:438:A:ILE:HB	18	1.6
(1,193)	1:436:A:VAL:H	1:436:A:VAL:HB	16	1.6
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG11	16	1.6
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG12	16	1.6
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG13	16	1.6
(1,26)	1:426:A:MET:H	1:426:A:MET:HG2	7	1.6
(1,26)	1:426:A:MET:H	1:426:A:MET:HG3	7	1.6
(1,26)	1:426:A:MET:H	1:426:A:MET:HG2	14	1.6
(1,26)	1:426:A:MET:H	1:426:A:MET:HG3	14	1.6
(1,15)	1:432:A:ILE:H	1:432:A:ILE:HB	3	1.6
(1,15)	1:432:A:ILE:H	1:432:A:ILE:HB	19	1.6
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	2	1.59
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	2	1.59
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	2	1.59
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	2	1.59
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	2	1.59
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	2	1.59
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	5	1.59
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	5	1.59
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	5	1.59
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	5	1.59
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	5	1.59
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	5	1.59
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG2	19	1.59
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG3	19	1.59
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD2	8	1.59
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD3	8	1.59
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG2	19	1.59
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG3	19	1.59
(1,1473)	1:398:A:GLN:HA	1:398:A:GLN:HG2	12	1.59
(1,1459)	1:414:A:GLN:HA	1:414:A:GLN:HG3	16	1.59
(1,1458)	1:414:A:GLN:HA	1:414:A:GLN:HG2	20	1.59
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG21	14	1.59
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG22	14	1.59
(1,1442)	1:438:A:ILE:HA	1:438:A:ILE:HG23	14	1.59
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	20	1.59
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	20	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	20	1.59
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	20	1.59
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	20	1.59
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	20	1.59
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	20	1.59
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	20	1.59
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	20	1.59
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG21	14	1.59
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG22	14	1.59
(1,1403)	1:438:A:ILE:HA	1:438:A:ILE:HG23	14	1.59
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB1	13	1.59
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB2	13	1.59
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB3	13	1.59
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB1	13	1.59
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB2	13	1.59
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB3	13	1.59
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD11	17	1.59
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD12	17	1.59
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD13	17	1.59
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD21	17	1.59
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD22	17	1.59
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD23	17	1.59
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG2	4	1.59
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG3	4	1.59
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG2	13	1.59
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG3	13	1.59
(1,1195)	1:403:A:GLU:H	1:403:A:GLU:HB3	16	1.59
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD11	17	1.59
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD12	17	1.59
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD13	17	1.59
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD21	17	1.59
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD22	17	1.59
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD23	17	1.59
(1,1166)	1:400:A:GLU:HB2	1:401:A:GLY:H	1	1.59
(1,1160)	1:459:A:ALA:HA	1:462:A:ALA:H	2	1.59
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG2	6	1.59
(1,1131)	1:470:A:GLN:H	1:470:A:GLN:HG3	6	1.59
(1,1061)	1:409:A:ILE:HA	1:409:A:ILE:HG12	2	1.59
(1,1055)	1:435:A:LYS:HB2	1:436:A:VAL:H	14	1.59
(1,1055)	1:435:A:LYS:HB3	1:436:A:VAL:H	14	1.59
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	17	1.59
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	17	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	17	1.59
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	17	1.59
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	17	1.59
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	17	1.59
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	17	1.59
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	17	1.59
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	17	1.59
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	20	1.59
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	20	1.59
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	20	1.59
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	20	1.59
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	20	1.59
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	20	1.59
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	20	1.59
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	20	1.59
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	20	1.59
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	17	1.59
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	17	1.59
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	17	1.59
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	17	1.59
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	17	1.59
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	17	1.59
(1,964)	1:420:A:ASP:H	1:420:A:ASP:HB2	19	1.59
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG21	13	1.59
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG22	13	1.59
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG23	13	1.59
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB1	13	1.59
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB2	13	1.59
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB3	13	1.59
(1,800)	1:465:A:ALA:HB1	1:466:A:MET:H	6	1.59
(1,800)	1:465:A:ALA:HB2	1:466:A:MET:H	6	1.59
(1,800)	1:465:A:ALA:HB3	1:466:A:MET:H	6	1.59
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG11	2	1.59
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG12	2	1.59
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG13	2	1.59
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG11	18	1.59
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG12	18	1.59
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG13	18	1.59
(1,762)	1:457:A:VAL:HG11	1:458:A:SER:H	13	1.59
(1,762)	1:457:A:VAL:HG12	1:458:A:SER:H	13	1.59
(1,762)	1:457:A:VAL:HG13	1:458:A:SER:H	13	1.59
(1,762)	1:457:A:VAL:HG21	1:458:A:SER:H	13	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,762)	1:457:A:VAL:HG22	1:458:A:SER:H	13	1.59
(1,762)	1:457:A:VAL:HG23	1:458:A:SER:H	13	1.59
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG21	11	1.59
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG22	11	1.59
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG23	11	1.59
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG21	11	1.59
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG22	11	1.59
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG23	11	1.59
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG21	11	1.59
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG22	11	1.59
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG23	11	1.59
(1,720)	1:444:A:LEU:HD11	1:445:A:SER:H	14	1.59
(1,720)	1:444:A:LEU:HD12	1:445:A:SER:H	14	1.59
(1,720)	1:444:A:LEU:HD13	1:445:A:SER:H	14	1.59
(1,720)	1:444:A:LEU:HD21	1:445:A:SER:H	14	1.59
(1,720)	1:444:A:LEU:HD22	1:445:A:SER:H	14	1.59
(1,720)	1:444:A:LEU:HD23	1:445:A:SER:H	14	1.59
(1,659)	1:480:A:LEU:HG	1:481:A:LYS:H	20	1.59
(1,582)	1:400:A:GLU:HB2	1:401:A:GLY:H	1	1.59
(1,577)	1:401:A:GLY:H	1:452:A:SER:HB2	7	1.59
(1,561)	1:410:A:TYR:HD1	1:411:A:HIS:H	19	1.59
(1,561)	1:410:A:TYR:HD2	1:411:A:HIS:H	19	1.59
(1,479)	1:444:A:LEU:HD11	1:445:A:SER:H	14	1.59
(1,479)	1:444:A:LEU:HD12	1:445:A:SER:H	14	1.59
(1,479)	1:444:A:LEU:HD13	1:445:A:SER:H	14	1.59
(1,479)	1:444:A:LEU:HD21	1:445:A:SER:H	14	1.59
(1,479)	1:444:A:LEU:HD22	1:445:A:SER:H	14	1.59
(1,479)	1:444:A:LEU:HD23	1:445:A:SER:H	14	1.59
(1,445)	1:418:A:ASP:HB2	1:419:A:GLN:H	16	1.59
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG21	13	1.59
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG22	13	1.59
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG23	13	1.59
(1,388)	1:420:A:ASP:H	1:420:A:ASP:HB2	19	1.59
(1,328)	1:403:A:GLU:H	1:403:A:GLU:HB3	16	1.59
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG2	4	1.59
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG3	4	1.59
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG2	13	1.59
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG3	13	1.59
(1,226)	1:418:A:ASP:H	1:418:A:ASP:HB3	15	1.59
(1,214)	1:459:A:ALA:HA	1:462:A:ALA:H	2	1.59
(1,195)	1:435:A:LYS:HB2	1:436:A:VAL:H	14	1.59
(1,195)	1:435:A:LYS:HB3	1:436:A:VAL:H	14	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD1	6	1.59
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD2	6	1.59
(1,100)	1:450:A:PHE:HD1	1:451:A:VAL:H	6	1.59
(1,100)	1:450:A:PHE:HD2	1:451:A:VAL:H	6	1.59
(1,41)	1:467:A:ASN:HA	1:478:A:VAL:H	2	1.59
(1,41)	1:467:A:ASN:HA	1:478:A:VAL:H	19	1.59
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	14	1.58
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	14	1.58
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	14	1.58
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	14	1.58
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	14	1.58
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	14	1.58
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD1	14	1.58
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD2	14	1.58
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD1	15	1.58
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD2	15	1.58
(1,1498)	1:428:A:PHE:HE1	1:465:A:ALA:HA	15	1.58
(1,1498)	1:428:A:PHE:HE2	1:465:A:ALA:HA	15	1.58
(1,1491)	1:407:A:LEU:HD11	1:459:A:ALA:HA	20	1.58
(1,1491)	1:407:A:LEU:HD12	1:459:A:ALA:HA	20	1.58
(1,1491)	1:407:A:LEU:HD13	1:459:A:ALA:HA	20	1.58
(1,1491)	1:407:A:LEU:HD21	1:459:A:ALA:HA	20	1.58
(1,1491)	1:407:A:LEU:HD22	1:459:A:ALA:HA	20	1.58
(1,1491)	1:407:A:LEU:HD23	1:459:A:ALA:HA	20	1.58
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE1	17	1.58
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE2	17	1.58
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE3	17	1.58
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB1	1	1.58
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB2	1	1.58
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB3	1	1.58
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB1	1	1.58
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB2	1	1.58
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB3	1	1.58
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB1	1	1.58
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB2	1	1.58
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB3	1	1.58
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	10	1.58
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	10	1.58
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	10	1.58
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	10	1.58
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	10	1.58
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	10	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	10	1.58
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	10	1.58
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	10	1.58
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	10	1.58
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	10	1.58
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	10	1.58
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	10	1.58
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	10	1.58
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	10	1.58
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	10	1.58
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	10	1.58
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	10	1.58
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD11	6	1.58
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD12	6	1.58
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD13	6	1.58
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD21	6	1.58
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD22	6	1.58
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD23	6	1.58
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD11	6	1.58
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD12	6	1.58
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD13	6	1.58
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD21	6	1.58
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD22	6	1.58
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD23	6	1.58
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD11	6	1.58
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD12	6	1.58
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD13	6	1.58
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD21	6	1.58
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD22	6	1.58
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD23	6	1.58
(1,1224)	1:464:A:GLN:HB2	1:465:A:ALA:H	9	1.58
(1,1224)	1:464:A:GLN:HB3	1:465:A:ALA:H	9	1.58
(1,1200)	1:398:A:GLN:HB2	1:399:A:LYS:H	2	1.58
(1,1200)	1:398:A:GLN:HB3	1:399:A:LYS:H	2	1.58
(1,1164)	1:407:A:LEU:HD11	1:459:A:ALA:HA	20	1.58
(1,1164)	1:407:A:LEU:HD12	1:459:A:ALA:HA	20	1.58
(1,1164)	1:407:A:LEU:HD13	1:459:A:ALA:HA	20	1.58
(1,1164)	1:407:A:LEU:HD21	1:459:A:ALA:HA	20	1.58
(1,1164)	1:407:A:LEU:HD22	1:459:A:ALA:HA	20	1.58
(1,1164)	1:407:A:LEU:HD23	1:459:A:ALA:HA	20	1.58
(1,1162)	1:453:A:TYR:HD1	1:459:A:ALA:HA	18	1.58
(1,1162)	1:453:A:TYR:HD2	1:459:A:ALA:HA	18	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1125)	1:436:A:VAL:H	1:436:A:VAL:HB	5	1.58
(1,1069)	1:432:A:ILE:HD11	1:454:A:ASP:HA	18	1.58
(1,1069)	1:432:A:ILE:HD12	1:454:A:ASP:HA	18	1.58
(1,1069)	1:432:A:ILE:HD13	1:454:A:ASP:HA	18	1.58
(1,1023)	1:421:A:ILE:HB	1:422:A:LEU:H	14	1.58
(1,944)	1:409:A:ILE:H	1:409:A:ILE:HB	6	1.58
(1,941)	1:409:A:ILE:HB	1:410:A:TYR:H	7	1.58
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG21	16	1.58
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG22	16	1.58
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG23	16	1.58
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	16	1.58
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	16	1.58
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	16	1.58
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	16	1.58
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	16	1.58
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	16	1.58
(1,463)	1:420:A:ASP:HA	1:423:A:GLN:H	14	1.58
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG21	16	1.58
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG22	16	1.58
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG23	16	1.58
(1,429)	1:463:A:ILE:H	1:464:A:GLN:H	1	1.58
(1,341)	1:466:A:MET:HB2	1:467:A:ASN:H	15	1.58
(1,341)	1:466:A:MET:HB3	1:467:A:ASN:H	15	1.58
(1,288)	1:450:A:PHE:H	1:450:A:PHE:HB3	17	1.58
(1,281)	1:455:A:ASN:HB3	1:459:A:ALA:H	2	1.58
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB2	9	1.58
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB3	9	1.58
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB2	14	1.58
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB3	14	1.58
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB2	16	1.58
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB3	16	1.58
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD1	20	1.58
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD2	20	1.58
(1,193)	1:436:A:VAL:H	1:436:A:VAL:HB	5	1.58
(1,182)	1:422:A:LEU:H	1:422:A:LEU:HB2	12	1.58
(1,170)	1:483:A:SER:HB2	1:484:A:LYS:H	10	1.58
(1,170)	1:483:A:SER:HB3	1:484:A:LYS:H	10	1.58
(1,170)	1:483:A:SER:HB2	1:484:A:LYS:H	11	1.58
(1,170)	1:483:A:SER:HB3	1:484:A:LYS:H	11	1.58
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD11	9	1.58
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD12	9	1.58
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD13	9	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD21	9	1.58
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD22	9	1.58
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD23	9	1.58
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD11	18	1.58
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD12	18	1.58
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD13	18	1.58
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD21	18	1.58
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD22	18	1.58
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD23	18	1.58
(1,89)	1:481:A:LYS:H	1:481:A:LYS:HB2	11	1.58
(1,1591)	1:411:A:HIS:HB3	1:411:A:HIS:HD2	4	1.57
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	4	1.57
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	4	1.57
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	4	1.57
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	4	1.57
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	4	1.57
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	4	1.57
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD1	2	1.57
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD2	2	1.57
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD1	16	1.57
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD2	16	1.57
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD1	16	1.57
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD2	16	1.57
(1,1506)	1:426:A:MET:HE1	1:430:A:ASN:HA	2	1.57
(1,1506)	1:426:A:MET:HE2	1:430:A:ASN:HA	2	1.57
(1,1506)	1:426:A:MET:HE3	1:430:A:ASN:HA	2	1.57
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	10	1.57
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	10	1.57
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	10	1.57
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	10	1.57
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	10	1.57
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	10	1.57
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	10	1.57
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	10	1.57
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	10	1.57
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	13	1.57
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	13	1.57
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	13	1.57
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	13	1.57
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	13	1.57
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	13	1.57
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	13	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	13	1.57
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	13	1.57
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD1	7	1.57
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD2	7	1.57
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	10	1.57
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	10	1.57
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	10	1.57
(1,1239)	1:432:A:ILE:HG12	1:433:A:SER:H	19	1.57
(1,1239)	1:432:A:ILE:HG13	1:433:A:SER:H	19	1.57
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG2	8	1.57
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG3	8	1.57
(1,1055)	1:435:A:LYS:HB2	1:436:A:VAL:H	20	1.57
(1,1055)	1:435:A:LYS:HB3	1:436:A:VAL:H	20	1.57
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	10	1.57
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	10	1.57
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	10	1.57
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	10	1.57
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	10	1.57
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	10	1.57
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	10	1.57
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	10	1.57
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	10	1.57
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	13	1.57
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	13	1.57
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	13	1.57
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	13	1.57
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	13	1.57
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	13	1.57
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	13	1.57
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	13	1.57
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	13	1.57
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD11	19	1.57
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD12	19	1.57
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD13	19	1.57
(1,1019)	1:432:A:ILE:H	1:432:A:ILE:HB	9	1.57
(1,987)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	12	1.57
(1,987)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	12	1.57
(1,948)	1:461:A:ALA:HB1	1:462:A:ALA:H	11	1.57
(1,948)	1:461:A:ALA:HB2	1:462:A:ALA:H	11	1.57
(1,948)	1:461:A:ALA:HB3	1:462:A:ALA:H	11	1.57
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG21	14	1.57
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG22	14	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG23	14	1.57
(1,924)	1:455:A:ASN:H	1:455:A:ASN:HB3	13	1.57
(1,800)	1:465:A:ALA:HB1	1:466:A:MET:H	2	1.57
(1,800)	1:465:A:ALA:HB2	1:466:A:MET:H	2	1.57
(1,800)	1:465:A:ALA:HB3	1:466:A:MET:H	2	1.57
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG11	16	1.57
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG12	16	1.57
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG13	16	1.57
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	12	1.57
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	12	1.57
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	12	1.57
(1,720)	1:444:A:LEU:HD11	1:445:A:SER:H	20	1.57
(1,720)	1:444:A:LEU:HD12	1:445:A:SER:H	20	1.57
(1,720)	1:444:A:LEU:HD13	1:445:A:SER:H	20	1.57
(1,720)	1:444:A:LEU:HD21	1:445:A:SER:H	20	1.57
(1,720)	1:444:A:LEU:HD22	1:445:A:SER:H	20	1.57
(1,720)	1:444:A:LEU:HD23	1:445:A:SER:H	20	1.57
(1,656)	1:474:A:LYS:HA	1:474:A:LYS:HG2	12	1.57
(1,654)	1:474:A:LYS:H	1:474:A:LYS:HG2	3	1.57
(1,632)	1:476:A:LEU:H	1:476:A:LEU:HG	4	1.57
(1,577)	1:401:A:GLY:H	1:452:A:SER:HB2	18	1.57
(1,556)	1:424:A:MET:HB2	1:425:A:PHE:H	5	1.57
(1,556)	1:424:A:MET:HB3	1:425:A:PHE:H	5	1.57
(1,555)	1:425:A:PHE:H	1:425:A:PHE:HB3	13	1.57
(1,514)	1:455:A:ASN:H	1:455:A:ASN:HB3	13	1.57
(1,503)	1:410:A:TYR:HA	1:412:A:LEU:H	20	1.57
(1,495)	1:415:A:GLU:H	1:415:A:GLU:HB3	17	1.57
(1,479)	1:444:A:LEU:HD11	1:445:A:SER:H	20	1.57
(1,479)	1:444:A:LEU:HD12	1:445:A:SER:H	20	1.57
(1,479)	1:444:A:LEU:HD13	1:445:A:SER:H	20	1.57
(1,479)	1:444:A:LEU:HD21	1:445:A:SER:H	20	1.57
(1,479)	1:444:A:LEU:HD22	1:445:A:SER:H	20	1.57
(1,479)	1:444:A:LEU:HD23	1:445:A:SER:H	20	1.57
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG21	14	1.57
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG22	14	1.57
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG23	14	1.57
(1,413)	1:441:A:GLN:H	1:442:A:THR:H	9	1.57
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB2	19	1.57
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB3	19	1.57
(1,226)	1:418:A:ASP:H	1:418:A:ASP:HB3	10	1.57
(1,218)	1:461:A:ALA:HB1	1:462:A:ALA:H	11	1.57
(1,218)	1:461:A:ALA:HB2	1:462:A:ALA:H	11	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,218)	1:461:A:ALA:HB3	1:462:A:ALA:H	11	1.57
(1,195)	1:435:A:LYS:HB2	1:436:A:VAL:H	20	1.57
(1,195)	1:435:A:LYS:HB3	1:436:A:VAL:H	20	1.57
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD11	3	1.57
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD12	3	1.57
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD13	3	1.57
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD21	3	1.57
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD22	3	1.57
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD23	3	1.57
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD1	2	1.57
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD2	2	1.57
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD11	7	1.57
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD12	7	1.57
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD13	7	1.57
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD21	7	1.57
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD22	7	1.57
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD23	7	1.57
(1,15)	1:432:A:ILE:H	1:432:A:ILE:HB	9	1.57
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	7	1.56
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	7	1.56
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	7	1.56
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	7	1.56
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	7	1.56
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	7	1.56
(1,1535)	1:410:A:TYR:HD1	1:448:A:PHE:HB2	11	1.56
(1,1535)	1:410:A:TYR:HD1	1:448:A:PHE:HB3	11	1.56
(1,1535)	1:410:A:TYR:HD2	1:448:A:PHE:HB2	11	1.56
(1,1535)	1:410:A:TYR:HD2	1:448:A:PHE:HB3	11	1.56
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	2	1.56
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	2	1.56
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	12	1.56
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	12	1.56
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	17	1.56
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	17	1.56
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG21	17	1.56
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG22	17	1.56
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG23	17	1.56
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG2	11	1.56
(1,1480)	1:399:A:LYS:HA	1:399:A:LYS:HG3	11	1.56
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG2	12	1.56
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG3	12	1.56
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	1	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	1	1.56
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	1	1.56
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	1	1.56
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	1	1.56
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	1	1.56
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	1	1.56
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	1	1.56
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	1	1.56
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	16	1.56
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	16	1.56
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	16	1.56
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	18	1.56
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	18	1.56
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	18	1.56
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	1	1.56
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	1	1.56
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	1	1.56
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	1	1.56
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	1	1.56
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	1	1.56
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	1	1.56
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	1	1.56
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	1	1.56
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG2	11	1.56
(1,1257)	1:399:A:LYS:HA	1:399:A:LYS:HG3	11	1.56
(1,1232)	1:419:A:GLN:HB3	1:420:A:ASP:H	10	1.56
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG21	2	1.56
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG22	2	1.56
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG23	2	1.56
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG21	4	1.56
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG22	4	1.56
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG23	4	1.56
(1,1023)	1:421:A:ILE:HB	1:422:A:LEU:H	11	1.56
(1,948)	1:461:A:ALA:HB1	1:462:A:ALA:H	8	1.56
(1,948)	1:461:A:ALA:HB2	1:462:A:ALA:H	8	1.56
(1,948)	1:461:A:ALA:HB3	1:462:A:ALA:H	8	1.56
(1,944)	1:409:A:ILE:H	1:409:A:ILE:HB	13	1.56
(1,944)	1:409:A:ILE:H	1:409:A:ILE:HB	19	1.56
(1,924)	1:455:A:ASN:H	1:455:A:ASN:HB3	8	1.56
(1,923)	1:455:A:ASN:HB3	1:457:A:VAL:H	8	1.56
(1,923)	1:455:A:ASN:HB3	1:457:A:VAL:H	16	1.56
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	9	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	9	1.56
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	10	1.56
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	10	1.56
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	14	1.56
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	14	1.56
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB1	17	1.56
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB2	17	1.56
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB3	17	1.56
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG21	4	1.56
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG22	4	1.56
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG23	4	1.56
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG21	4	1.56
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG22	4	1.56
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG23	4	1.56
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG21	4	1.56
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG22	4	1.56
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG23	4	1.56
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG21	5	1.56
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG22	5	1.56
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG23	5	1.56
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG21	5	1.56
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG22	5	1.56
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG23	5	1.56
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG21	5	1.56
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG22	5	1.56
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG23	5	1.56
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD11	9	1.56
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD12	9	1.56
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD13	9	1.56
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD21	9	1.56
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD22	9	1.56
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD23	9	1.56
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	12	1.56
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	12	1.56
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	12	1.56
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	12	1.56
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	12	1.56
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	12	1.56
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	12	1.56
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	12	1.56
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	12	1.56
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	12	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	12	1.56
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	12	1.56
(1,688)	1:480:A:LEU:HD11	1:481:A:LYS:H	18	1.56
(1,688)	1:480:A:LEU:HD12	1:481:A:LYS:H	18	1.56
(1,688)	1:480:A:LEU:HD13	1:481:A:LYS:H	18	1.56
(1,688)	1:480:A:LEU:HD21	1:481:A:LYS:H	18	1.56
(1,688)	1:480:A:LEU:HD22	1:481:A:LYS:H	18	1.56
(1,688)	1:480:A:LEU:HD23	1:481:A:LYS:H	18	1.56
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG2	14	1.56
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG3	14	1.56
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG2	19	1.56
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG3	19	1.56
(1,672)	1:444:A:LEU:H	1:444:A:LEU:HG	5	1.56
(1,659)	1:480:A:LEU:HG	1:481:A:LYS:H	9	1.56
(1,656)	1:474:A:LYS:HA	1:474:A:LYS:HG2	18	1.56
(1,654)	1:474:A:LYS:H	1:474:A:LYS:HG2	15	1.56
(1,534)	1:453:A:TYR:HD1	1:454:A:ASP:H	8	1.56
(1,534)	1:453:A:TYR:HD2	1:454:A:ASP:H	8	1.56
(1,514)	1:455:A:ASN:H	1:455:A:ASN:HB3	8	1.56
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD11	9	1.56
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD12	9	1.56
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD13	9	1.56
(1,387)	1:419:A:GLN:HB3	1:420:A:ASP:H	10	1.56
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD11	9	1.56
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD12	9	1.56
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD13	9	1.56
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD21	9	1.56
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD22	9	1.56
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD23	9	1.56
(1,384)	1:444:A:LEU:H	1:444:A:LEU:HG	5	1.56
(1,370)	1:482:A:ARG:HB2	1:483:A:SER:H	16	1.56
(1,286)	1:435:A:LYS:H	1:450:A:PHE:H	12	1.56
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB2	20	1.56
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB3	20	1.56
(1,252)	1:402:A:PRO:HD2	1:453:A:TYR:H	6	1.56
(1,248)	1:405:A:ALA:HB1	1:453:A:TYR:H	6	1.56
(1,248)	1:405:A:ALA:HB2	1:453:A:TYR:H	6	1.56
(1,248)	1:405:A:ALA:HB3	1:453:A:TYR:H	6	1.56
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG21	11	1.56
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG22	11	1.56
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG23	11	1.56
(1,218)	1:461:A:ALA:HB1	1:462:A:ALA:H	8	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,218)	1:461:A:ALA:HB2	1:462:A:ALA:H	8	1.56
(1,218)	1:461:A:ALA:HB3	1:462:A:ALA:H	8	1.56
(1,205)	1:415:A:GLU:HG2	1:416:A:PHE:H	5	1.56
(1,205)	1:415:A:GLU:HG3	1:416:A:PHE:H	5	1.56
(1,170)	1:483:A:SER:HB2	1:484:A:LYS:H	1	1.56
(1,170)	1:483:A:SER:HB3	1:484:A:LYS:H	1	1.56
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG11	19	1.56
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG12	19	1.56
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG13	19	1.56
(1,116)	1:490:A:TYR:H	1:490:A:TYR:HB2	17	1.56
(1,91)	1:480:A:LEU:HD11	1:481:A:LYS:H	18	1.56
(1,91)	1:480:A:LEU:HD12	1:481:A:LYS:H	18	1.56
(1,91)	1:480:A:LEU:HD13	1:481:A:LYS:H	18	1.56
(1,91)	1:480:A:LEU:HD21	1:481:A:LYS:H	18	1.56
(1,91)	1:480:A:LEU:HD22	1:481:A:LYS:H	18	1.56
(1,91)	1:480:A:LEU:HD23	1:481:A:LYS:H	18	1.56
(1,26)	1:426:A:MET:H	1:426:A:MET:HG2	2	1.56
(1,26)	1:426:A:MET:H	1:426:A:MET:HG3	2	1.56
(1,1601)	1:407:A:LEU:HG	1:453:A:TYR:HE1	3	1.55
(1,1601)	1:407:A:LEU:HG	1:453:A:TYR:HE2	3	1.55
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	2	1.55
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	2	1.55
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	2	1.55
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	2	1.55
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	2	1.55
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	2	1.55
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	5	1.55
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	5	1.55
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	5	1.55
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	5	1.55
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	5	1.55
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	5	1.55
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	19	1.55
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	19	1.55
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	19	1.55
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	19	1.55
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	19	1.55
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	19	1.55
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD1	15	1.55
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD2	15	1.55
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	14	1.55
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	14	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	15	1.55
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	15	1.55
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	20	1.55
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	20	1.55
(1,1506)	1:426:A:MET:HE1	1:430:A:ASN:HA	20	1.55
(1,1506)	1:426:A:MET:HE2	1:430:A:ASN:HA	20	1.55
(1,1506)	1:426:A:MET:HE3	1:430:A:ASN:HA	20	1.55
(1,1458)	1:414:A:GLN:HA	1:414:A:GLN:HG2	13	1.55
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	18	1.55
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	18	1.55
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	18	1.55
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	18	1.55
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	18	1.55
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	18	1.55
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	18	1.55
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	18	1.55
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	18	1.55
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	14	1.55
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	14	1.55
(1,1365)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	14	1.55
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	14	1.55
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	14	1.55
(1,1365)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	14	1.55
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	14	1.55
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	14	1.55
(1,1365)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	14	1.55
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	14	1.55
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	14	1.55
(1,1365)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	14	1.55
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	14	1.55
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	14	1.55
(1,1365)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	14	1.55
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	14	1.55
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	14	1.55
(1,1365)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	14	1.55
(1,1358)	1:475:A:ARG:HB2	1:475:A:ARG:HD3	8	1.55
(1,1358)	1:475:A:ARG:HB3	1:475:A:ARG:HD3	8	1.55
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	18	1.55
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	18	1.55
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	18	1.55
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	18	1.55
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	18	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	18	1.55
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	18	1.55
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	18	1.55
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	18	1.55
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	20	1.55
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	20	1.55
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	20	1.55
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	20	1.55
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	20	1.55
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	20	1.55
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	20	1.55
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	20	1.55
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	20	1.55
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	1	1.55
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	1	1.55
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	1	1.55
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	6	1.55
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	6	1.55
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	6	1.55
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG2	9	1.55
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG3	9	1.55
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD11	2	1.55
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD12	2	1.55
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD13	2	1.55
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD11	14	1.55
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD12	14	1.55
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD13	14	1.55
(1,954)	1:463:A:ILE:HG21	1:464:A:GLN:H	2	1.55
(1,954)	1:463:A:ILE:HG22	1:464:A:GLN:H	2	1.55
(1,954)	1:463:A:ILE:HG23	1:464:A:GLN:H	2	1.55
(1,948)	1:461:A:ALA:HB1	1:462:A:ALA:H	13	1.55
(1,948)	1:461:A:ALA:HB2	1:462:A:ALA:H	13	1.55
(1,948)	1:461:A:ALA:HB3	1:462:A:ALA:H	13	1.55
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	1	1.55
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	1	1.55
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB1	14	1.55
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB2	14	1.55
(1,899)	1:407:A:LEU:HD11	1:462:A:ALA:HB3	14	1.55
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB1	14	1.55
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB2	14	1.55
(1,899)	1:407:A:LEU:HD12	1:462:A:ALA:HB3	14	1.55
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB1	14	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB2	14	1.55
(1,899)	1:407:A:LEU:HD13	1:462:A:ALA:HB3	14	1.55
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB1	14	1.55
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB2	14	1.55
(1,899)	1:407:A:LEU:HD21	1:462:A:ALA:HB3	14	1.55
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB1	14	1.55
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB2	14	1.55
(1,899)	1:407:A:LEU:HD22	1:462:A:ALA:HB3	14	1.55
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB1	14	1.55
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB2	14	1.55
(1,899)	1:407:A:LEU:HD23	1:462:A:ALA:HB3	14	1.55
(1,824)	1:436:A:VAL:HG11	1:437:A:PHE:H	1	1.55
(1,824)	1:436:A:VAL:HG12	1:437:A:PHE:H	1	1.55
(1,824)	1:436:A:VAL:HG13	1:437:A:PHE:H	1	1.55
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	20	1.55
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	20	1.55
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	20	1.55
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	20	1.55
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	20	1.55
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	20	1.55
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	20	1.55
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	20	1.55
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	20	1.55
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD11	7	1.55
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD12	7	1.55
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD13	7	1.55
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD21	7	1.55
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD22	7	1.55
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD23	7	1.55
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	1	1.55
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	1	1.55
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	4	1.55
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	4	1.55
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	4	1.55
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	4	1.55
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	4	1.55
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	4	1.55
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	4	1.55
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	4	1.55
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	4	1.55
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	4	1.55
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	4	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	4	1.55
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	4	1.55
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	4	1.55
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	4	1.55
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	4	1.55
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	4	1.55
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	4	1.55
(1,597)	1:441:A:GLN:HB3	1:442:A:THR:H	15	1.55
(1,577)	1:401:A:GLY:H	1:452:A:SER:HB2	20	1.55
(1,555)	1:425:A:PHE:H	1:425:A:PHE:HB3	10	1.55
(1,555)	1:425:A:PHE:H	1:425:A:PHE:HB3	16	1.55
(1,463)	1:420:A:ASP:HA	1:423:A:GLN:H	10	1.55
(1,429)	1:463:A:ILE:H	1:464:A:GLN:H	8	1.55
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD11	7	1.55
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD12	7	1.55
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD13	7	1.55
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD21	7	1.55
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD22	7	1.55
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD23	7	1.55
(1,288)	1:450:A:PHE:H	1:450:A:PHE:HB3	5	1.55
(1,283)	1:407:A:LEU:HG	1:459:A:ALA:H	7	1.55
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB2	11	1.55
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB3	11	1.55
(1,248)	1:405:A:ALA:HB1	1:453:A:TYR:H	12	1.55
(1,248)	1:405:A:ALA:HB2	1:453:A:TYR:H	12	1.55
(1,248)	1:405:A:ALA:HB3	1:453:A:TYR:H	12	1.55
(1,232)	1:438:A:ILE:H	1:438:A:ILE:HB	19	1.55
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG21	8	1.55
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG22	8	1.55
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG23	8	1.55
(1,218)	1:461:A:ALA:HB1	1:462:A:ALA:H	13	1.55
(1,218)	1:461:A:ALA:HB2	1:462:A:ALA:H	13	1.55
(1,218)	1:461:A:ALA:HB3	1:462:A:ALA:H	13	1.55
(1,192)	1:418:A:ASP:HB2	1:436:A:VAL:H	8	1.55
(1,125)	1:468:A:GLY:H	1:469:A:PHE:H	1	1.55
(1,64)	1:436:A:VAL:HG11	1:437:A:PHE:H	1	1.55
(1,64)	1:436:A:VAL:HG12	1:437:A:PHE:H	1	1.55
(1,64)	1:436:A:VAL:HG13	1:437:A:PHE:H	1	1.55
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	12	1.54
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	12	1.54
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	12	1.54
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	12	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	12	1.54
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	12	1.54
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	19	1.54
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	19	1.54
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	19	1.54
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	19	1.54
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD1	12	1.54
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD2	12	1.54
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	19	1.54
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	19	1.54
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	19	1.54
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	19	1.54
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	19	1.54
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	19	1.54
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD1	13	1.54
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD2	13	1.54
(1,1537)	1:448:A:PHE:HD1	1:449:A:GLY:H	7	1.54
(1,1537)	1:448:A:PHE:HD2	1:449:A:GLY:H	7	1.54
(1,1490)	1:438:A:ILE:HG21	1:443:A:ASN:HA	15	1.54
(1,1490)	1:438:A:ILE:HG22	1:443:A:ASN:HA	15	1.54
(1,1490)	1:438:A:ILE:HG23	1:443:A:ASN:HA	15	1.54
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	14	1.54
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	14	1.54
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	14	1.54
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	14	1.54
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	14	1.54
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	14	1.54
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	14	1.54
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	14	1.54
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	14	1.54
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	14	1.54
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	14	1.54
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	14	1.54
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	14	1.54
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	14	1.54
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	14	1.54
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	14	1.54
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	14	1.54
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	14	1.54
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	2	1.54
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	2	1.54
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	2	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	2	1.54
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	2	1.54
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	2	1.54
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	2	1.54
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	2	1.54
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	2	1.54
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	14	1.54
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	14	1.54
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	14	1.54
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	2	1.54
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	2	1.54
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	2	1.54
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	2	1.54
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	2	1.54
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	2	1.54
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	2	1.54
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	2	1.54
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	2	1.54
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	14	1.54
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	14	1.54
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	14	1.54
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	14	1.54
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	14	1.54
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	14	1.54
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	14	1.54
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	14	1.54
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	14	1.54
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	14	1.54
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	14	1.54
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	14	1.54
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	14	1.54
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	14	1.54
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	14	1.54
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	14	1.54
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	14	1.54
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	14	1.54
(1,1224)	1:464:A:GLN:HB2	1:465:A:ALA:H	19	1.54
(1,1224)	1:464:A:GLN:HB3	1:465:A:ALA:H	19	1.54
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD2	8	1.54
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD3	8	1.54
(1,1195)	1:403:A:GLU:H	1:403:A:GLU:HB3	18	1.54
(1,1125)	1:436:A:VAL:H	1:436:A:VAL:HB	4	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1057)	1:451:A:VAL:H	1:451:A:VAL:HB	19	1.54
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD11	3	1.54
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD12	3	1.54
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD13	3	1.54
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	19	1.54
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	19	1.54
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	19	1.54
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	19	1.54
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	19	1.54
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	19	1.54
(1,1013)	1:463:A:ILE:HB	1:464:A:GLN:H	10	1.54
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG21	20	1.54
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG22	20	1.54
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG23	20	1.54
(1,887)	1:433:A:SER:HB3	1:434:A:ALA:H	16	1.54
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG11	11	1.54
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG12	11	1.54
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG13	11	1.54
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG11	19	1.54
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG12	19	1.54
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG13	19	1.54
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG11	2	1.54
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG12	2	1.54
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG13	2	1.54
(1,762)	1:457:A:VAL:HG11	1:458:A:SER:H	2	1.54
(1,762)	1:457:A:VAL:HG12	1:458:A:SER:H	2	1.54
(1,762)	1:457:A:VAL:HG13	1:458:A:SER:H	2	1.54
(1,762)	1:457:A:VAL:HG21	1:458:A:SER:H	2	1.54
(1,762)	1:457:A:VAL:HG22	1:458:A:SER:H	2	1.54
(1,762)	1:457:A:VAL:HG23	1:458:A:SER:H	2	1.54
(1,654)	1:474:A:LYS:H	1:474:A:LYS:HG2	2	1.54
(1,586)	1:427:A:PRO:HG2	1:428:A:PHE:H	3	1.54
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG21	6	1.54
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG22	6	1.54
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG23	6	1.54
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD1	19	1.54
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD2	19	1.54
(1,463)	1:420:A:ASP:HA	1:423:A:GLN:H	1	1.54
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG21	20	1.54
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG22	20	1.54
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG23	20	1.54
(1,432)	1:463:A:ILE:HB	1:464:A:GLN:H	10	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,429)	1:463:A:ILE:H	1:464:A:GLN:H	3	1.54
(1,414)	1:441:A:GLN:H	1:441:A:GLN:HG3	14	1.54
(1,394)	1:430:A:ASN:H	1:453:A:TYR:HE1	9	1.54
(1,394)	1:430:A:ASN:H	1:453:A:TYR:HE2	9	1.54
(1,328)	1:403:A:GLU:H	1:403:A:GLU:HB3	18	1.54
(1,321)	1:433:A:SER:H	1:452:A:SER:H	8	1.54
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB2	15	1.54
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB3	15	1.54
(1,252)	1:402:A:PRO:HD2	1:453:A:TYR:H	12	1.54
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG21	12	1.54
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG22	12	1.54
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG23	12	1.54
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG11	11	1.54
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG12	11	1.54
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG13	11	1.54
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG11	19	1.54
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG12	19	1.54
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG13	19	1.54
(1,193)	1:436:A:VAL:H	1:436:A:VAL:HB	4	1.54
(1,166)	1:463:A:ILE:HG21	1:480:A:LEU:H	11	1.54
(1,166)	1:463:A:ILE:HG22	1:480:A:LEU:H	11	1.54
(1,166)	1:463:A:ILE:HG23	1:480:A:LEU:H	11	1.54
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD1	1	1.54
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD2	1	1.54
(1,96)	1:451:A:VAL:H	1:451:A:VAL:HB	19	1.54
(1,17)	1:431:A:VAL:HG21	1:432:A:ILE:H	8	1.54
(1,17)	1:431:A:VAL:HG22	1:432:A:ILE:H	8	1.54
(1,17)	1:431:A:VAL:HG23	1:432:A:ILE:H	8	1.54
(1,1)	1:469:A:PHE:HD1	1:470:A:GLN:H	16	1.54
(1,1)	1:469:A:PHE:HD2	1:470:A:GLN:H	16	1.54
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD1	1	1.53
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD2	1	1.53
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	13	1.53
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	13	1.53
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	13	1.53
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	13	1.53
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	13	1.53
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	13	1.53
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG2	16	1.53
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG3	16	1.53
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	11	1.53
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	11	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	18	1.53
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	18	1.53
(1,1491)	1:407:A:LEU:HD11	1:459:A:ALA:HA	5	1.53
(1,1491)	1:407:A:LEU:HD12	1:459:A:ALA:HA	5	1.53
(1,1491)	1:407:A:LEU:HD13	1:459:A:ALA:HA	5	1.53
(1,1491)	1:407:A:LEU:HD21	1:459:A:ALA:HA	5	1.53
(1,1491)	1:407:A:LEU:HD22	1:459:A:ALA:HA	5	1.53
(1,1491)	1:407:A:LEU:HD23	1:459:A:ALA:HA	5	1.53
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG2	16	1.53
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG3	16	1.53
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG2	7	1.53
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG3	7	1.53
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD11	3	1.53
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD12	3	1.53
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD13	3	1.53
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB1	5	1.53
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB2	5	1.53
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB3	5	1.53
(1,1358)	1:475:A:ARG:HB2	1:475:A:ARG:HD3	14	1.53
(1,1358)	1:475:A:ARG:HB3	1:475:A:ARG:HD3	14	1.53
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD11	14	1.53
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD12	14	1.53
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD13	14	1.53
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD21	14	1.53
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD22	14	1.53
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD23	14	1.53
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD11	14	1.53
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD12	14	1.53
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD13	14	1.53
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD21	14	1.53
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD22	14	1.53
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD23	14	1.53
(1,1169)	1:462:A:ALA:HA	1:465:A:ALA:H	1	1.53
(1,1164)	1:407:A:LEU:HD11	1:459:A:ALA:HA	5	1.53
(1,1164)	1:407:A:LEU:HD12	1:459:A:ALA:HA	5	1.53
(1,1164)	1:407:A:LEU:HD13	1:459:A:ALA:HA	5	1.53
(1,1164)	1:407:A:LEU:HD21	1:459:A:ALA:HA	5	1.53
(1,1164)	1:407:A:LEU:HD22	1:459:A:ALA:HA	5	1.53
(1,1164)	1:407:A:LEU:HD23	1:459:A:ALA:HA	5	1.53
(1,1125)	1:436:A:VAL:H	1:436:A:VAL:HB	2	1.53
(1,1125)	1:436:A:VAL:H	1:436:A:VAL:HB	6	1.53
(1,1125)	1:436:A:VAL:H	1:436:A:VAL:HB	13	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	14	1.53
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	14	1.53
(1,1047)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	14	1.53
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	14	1.53
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	14	1.53
(1,1047)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	14	1.53
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	14	1.53
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	14	1.53
(1,1047)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	14	1.53
(1,1019)	1:432:A:ILE:H	1:432:A:ILE:HB	1	1.53
(1,1019)	1:432:A:ILE:H	1:432:A:ILE:HB	11	1.53
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD11	3	1.53
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD12	3	1.53
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD13	3	1.53
(1,975)	1:438:A:ILE:HG21	1:439:A:ASP:H	4	1.53
(1,975)	1:438:A:ILE:HG22	1:439:A:ASP:H	4	1.53
(1,975)	1:438:A:ILE:HG23	1:439:A:ASP:H	4	1.53
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	3	1.53
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	3	1.53
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG11	8	1.53
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG12	8	1.53
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG13	8	1.53
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG11	14	1.53
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG12	14	1.53
(1,826)	1:421:A:ILE:HD11	1:436:A:VAL:HG13	14	1.53
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG11	14	1.53
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG12	14	1.53
(1,826)	1:421:A:ILE:HD12	1:436:A:VAL:HG13	14	1.53
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG11	14	1.53
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG12	14	1.53
(1,826)	1:421:A:ILE:HD13	1:436:A:VAL:HG13	14	1.53
(1,824)	1:436:A:VAL:HG11	1:437:A:PHE:H	13	1.53
(1,824)	1:436:A:VAL:HG12	1:437:A:PHE:H	13	1.53
(1,824)	1:436:A:VAL:HG13	1:437:A:PHE:H	13	1.53
(1,800)	1:465:A:ALA:HB1	1:466:A:MET:H	15	1.53
(1,800)	1:465:A:ALA:HB2	1:466:A:MET:H	15	1.53
(1,800)	1:465:A:ALA:HB3	1:466:A:MET:H	15	1.53
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG11	11	1.53
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG12	11	1.53
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG13	11	1.53
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD11	14	1.53
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD12	14	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD13	14	1.53
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD21	14	1.53
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD22	14	1.53
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD23	14	1.53
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG2	20	1.53
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG3	20	1.53
(1,679)	1:477:A:LYS:HG2	1:478:A:VAL:H	20	1.53
(1,679)	1:477:A:LYS:HG3	1:478:A:VAL:H	20	1.53
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	5	1.53
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	5	1.53
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	5	1.53
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	5	1.53
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	5	1.53
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	5	1.53
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	5	1.53
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	5	1.53
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	5	1.53
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	5	1.53
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	5	1.53
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	5	1.53
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	5	1.53
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	5	1.53
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	5	1.53
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	5	1.53
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	5	1.53
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	5	1.53
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	18	1.53
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	18	1.53
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	18	1.53
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	18	1.53
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	18	1.53
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	18	1.53
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	18	1.53
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	18	1.53
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	18	1.53
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	18	1.53
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	18	1.53
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	18	1.53
(1,553)	1:422:A:LEU:HA	1:425:A:PHE:H	11	1.53
(1,445)	1:418:A:ASP:HB2	1:419:A:GLN:H	10	1.53
(1,421)	1:462:A:ALA:HA	1:465:A:ALA:H	1	1.53
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD11	14	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD12	14	1.53
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD13	14	1.53
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD21	14	1.53
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD22	14	1.53
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD23	14	1.53
(1,363)	1:407:A:LEU:HD11	1:463:A:ILE:H	3	1.53
(1,363)	1:407:A:LEU:HD12	1:463:A:ILE:H	3	1.53
(1,363)	1:407:A:LEU:HD13	1:463:A:ILE:H	3	1.53
(1,363)	1:407:A:LEU:HD21	1:463:A:ILE:H	3	1.53
(1,363)	1:407:A:LEU:HD22	1:463:A:ILE:H	3	1.53
(1,363)	1:407:A:LEU:HD23	1:463:A:ILE:H	3	1.53
(1,321)	1:433:A:SER:H	1:452:A:SER:H	3	1.53
(1,300)	1:405:A:ALA:H	1:456:A:PRO:HD3	20	1.53
(1,286)	1:435:A:LYS:H	1:450:A:PHE:H	9	1.53
(1,267)	1:409:A:ILE:H	1:409:A:ILE:HG12	18	1.53
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG21	4	1.53
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG22	4	1.53
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG23	4	1.53
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG11	8	1.53
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG12	8	1.53
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG13	8	1.53
(1,193)	1:436:A:VAL:H	1:436:A:VAL:HB	2	1.53
(1,193)	1:436:A:VAL:H	1:436:A:VAL:HB	6	1.53
(1,193)	1:436:A:VAL:H	1:436:A:VAL:HB	13	1.53
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD1	4	1.53
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD2	4	1.53
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD1	7	1.53
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD2	7	1.53
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD11	14	1.53
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD12	14	1.53
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD13	14	1.53
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD21	14	1.53
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD22	14	1.53
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD23	14	1.53
(1,64)	1:436:A:VAL:HG11	1:437:A:PHE:H	13	1.53
(1,64)	1:436:A:VAL:HG12	1:437:A:PHE:H	13	1.53
(1,64)	1:436:A:VAL:HG13	1:437:A:PHE:H	13	1.53
(1,52)	1:471:A:ILE:H	1:474:A:LYS:H	19	1.53
(1,47)	1:439:A:ASP:H	1:439:A:ASP:HB3	6	1.53
(1,41)	1:467:A:ASN:HA	1:478:A:VAL:H	3	1.53
(1,15)	1:432:A:ILE:H	1:432:A:ILE:HB	1	1.53
(1,15)	1:432:A:ILE:H	1:432:A:ILE:HB	11	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	16	1.52
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	16	1.52
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	16	1.52
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	16	1.52
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	16	1.52
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	16	1.52
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD1	19	1.52
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD2	19	1.52
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	9	1.52
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	9	1.52
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG2	7	1.52
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG3	7	1.52
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG2	9	1.52
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG3	9	1.52
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG2	1	1.52
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG3	1	1.52
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG2	9	1.52
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG3	9	1.52
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD1	18	1.52
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD2	18	1.52
(1,1358)	1:475:A:ARG:HB2	1:475:A:ARG:HD3	20	1.52
(1,1358)	1:475:A:ARG:HB3	1:475:A:ARG:HD3	20	1.52
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	1	1.52
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	1	1.52
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	1	1.52
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD11	13	1.52
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD12	13	1.52
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD13	13	1.52
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD21	13	1.52
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD22	13	1.52
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD23	13	1.52
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG2	2	1.52
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG3	2	1.52
(1,1232)	1:419:A:GLN:HB3	1:420:A:ASP:H	6	1.52
(1,1232)	1:419:A:GLN:HB3	1:420:A:ASP:H	9	1.52
(1,1195)	1:403:A:GLU:H	1:403:A:GLU:HB3	5	1.52
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD11	13	1.52
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD12	13	1.52
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD13	13	1.52
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD21	13	1.52
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD22	13	1.52
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD23	13	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:462:A:ALA:HA	1:465:A:ALA:H	12	1.52
(1,1121)	1:410:A:TYR:HA	1:449:A:GLY:H	6	1.52
(1,1055)	1:435:A:LYS:HB2	1:436:A:VAL:H	11	1.52
(1,1055)	1:435:A:LYS:HB3	1:436:A:VAL:H	11	1.52
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD11	15	1.52
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD12	15	1.52
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD13	15	1.52
(1,1013)	1:463:A:ILE:HB	1:464:A:GLN:H	7	1.52
(1,1013)	1:463:A:ILE:HB	1:464:A:GLN:H	16	1.52
(1,941)	1:409:A:ILE:HB	1:410:A:TYR:H	3	1.52
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	5	1.52
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	5	1.52
(1,887)	1:433:A:SER:HB3	1:434:A:ALA:H	2	1.52
(1,887)	1:433:A:SER:HB3	1:434:A:ALA:H	10	1.52
(1,880)	1:480:A:LEU:HB2	1:481:A:LYS:H	18	1.52
(1,880)	1:480:A:LEU:HB3	1:481:A:LYS:H	18	1.52
(1,800)	1:465:A:ALA:HB1	1:466:A:MET:H	11	1.52
(1,800)	1:465:A:ALA:HB2	1:466:A:MET:H	11	1.52
(1,800)	1:465:A:ALA:HB3	1:466:A:MET:H	11	1.52
(1,800)	1:465:A:ALA:HB1	1:466:A:MET:H	14	1.52
(1,800)	1:465:A:ALA:HB2	1:466:A:MET:H	14	1.52
(1,800)	1:465:A:ALA:HB3	1:466:A:MET:H	14	1.52
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG11	13	1.52
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG12	13	1.52
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG13	13	1.52
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG11	14	1.52
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG12	14	1.52
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG13	14	1.52
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD11	19	1.52
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD12	19	1.52
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD13	19	1.52
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD21	19	1.52
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD22	19	1.52
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD23	19	1.52
(1,656)	1:474:A:LYS:HA	1:474:A:LYS:HG2	11	1.52
(1,591)	1:448:A:PHE:HB2	1:449:A:GLY:H	10	1.52
(1,591)	1:448:A:PHE:HB3	1:449:A:GLY:H	10	1.52
(1,590)	1:410:A:TYR:HA	1:449:A:GLY:H	6	1.52
(1,586)	1:427:A:PRO:HG2	1:428:A:PHE:H	9	1.52
(1,556)	1:424:A:MET:HB2	1:425:A:PHE:H	18	1.52
(1,556)	1:424:A:MET:HB3	1:425:A:PHE:H	18	1.52
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG21	1	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG22	1	1.52
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG23	1	1.52
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD11	19	1.52
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD12	19	1.52
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD13	19	1.52
(1,432)	1:463:A:ILE:HB	1:464:A:GLN:H	7	1.52
(1,432)	1:463:A:ILE:HB	1:464:A:GLN:H	16	1.52
(1,421)	1:462:A:ALA:HA	1:465:A:ALA:H	12	1.52
(1,387)	1:419:A:GLN:HB3	1:420:A:ASP:H	6	1.52
(1,387)	1:419:A:GLN:HB3	1:420:A:ASP:H	9	1.52
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD11	19	1.52
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD12	19	1.52
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD13	19	1.52
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD21	19	1.52
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD22	19	1.52
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD23	19	1.52
(1,341)	1:466:A:MET:HB2	1:467:A:ASN:H	5	1.52
(1,341)	1:466:A:MET:HB3	1:467:A:ASN:H	5	1.52
(1,328)	1:403:A:GLU:H	1:403:A:GLU:HB3	5	1.52
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB2	3	1.52
(1,256)	1:435:A:LYS:H	1:435:A:LYS:HB3	3	1.52
(1,232)	1:438:A:ILE:H	1:438:A:ILE:HB	14	1.52
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG21	17	1.52
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG22	17	1.52
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG23	17	1.52
(1,195)	1:435:A:LYS:HB2	1:436:A:VAL:H	11	1.52
(1,195)	1:435:A:LYS:HB3	1:436:A:VAL:H	11	1.52
(1,192)	1:418:A:ASP:HB2	1:436:A:VAL:H	11	1.52
(1,84)	1:406:A:ASN:H	1:481:A:LYS:H	12	1.52
(1,26)	1:426:A:MET:H	1:426:A:MET:HG2	13	1.52
(1,26)	1:426:A:MET:H	1:426:A:MET:HG3	13	1.52
(1,1588)	1:411:A:HIS:H	1:411:A:HIS:HD2	18	1.51
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD1	7	1.51
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD2	7	1.51
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD1	10	1.51
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD2	10	1.51
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD1	10	1.51
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD2	10	1.51
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG2	17	1.51
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG3	17	1.51
(1,1520)	1:434:A:ALA:HA	1:451:A:VAL:HA	18	1.51
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	7	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	7	1.51
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	16	1.51
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	16	1.51
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG2	17	1.51
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG3	17	1.51
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG2	13	1.51
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG3	13	1.51
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD1	14	1.51
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD2	14	1.51
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB1	3	1.51
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB2	3	1.51
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB3	3	1.51
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	15	1.51
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	15	1.51
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	15	1.51
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	15	1.51
(1,1358)	1:475:A:ARG:HB2	1:475:A:ARG:HD3	4	1.51
(1,1358)	1:475:A:ARG:HB3	1:475:A:ARG:HD3	4	1.51
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD11	19	1.51
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD12	19	1.51
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD13	19	1.51
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD21	19	1.51
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD22	19	1.51
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD23	19	1.51
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD11	19	1.51
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD12	19	1.51
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD13	19	1.51
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD21	19	1.51
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD22	19	1.51
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD23	19	1.51
(1,1136)	1:456:A:PRO:HB2	1:457:A:VAL:H	10	1.51
(1,1125)	1:436:A:VAL:H	1:436:A:VAL:HB	18	1.51
(1,1023)	1:421:A:ILE:HB	1:422:A:LEU:H	19	1.51
(1,940)	1:486:A:ASP:H	1:486:A:ASP:HB2	12	1.51
(1,800)	1:465:A:ALA:HB1	1:466:A:MET:H	12	1.51
(1,800)	1:465:A:ALA:HB2	1:466:A:MET:H	12	1.51
(1,800)	1:465:A:ALA:HB3	1:466:A:MET:H	12	1.51
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG11	15	1.51
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG12	15	1.51
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG13	15	1.51
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG21	9	1.51
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG22	9	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG23	9	1.51
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG21	9	1.51
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG22	9	1.51
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG23	9	1.51
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG21	9	1.51
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG22	9	1.51
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG23	9	1.51
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD11	2	1.51
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD12	2	1.51
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD13	2	1.51
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD21	2	1.51
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD22	2	1.51
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD23	2	1.51
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD11	20	1.51
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD12	20	1.51
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD13	20	1.51
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD21	20	1.51
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD22	20	1.51
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD23	20	1.51
(1,688)	1:480:A:LEU:HD11	1:481:A:LYS:H	10	1.51
(1,688)	1:480:A:LEU:HD12	1:481:A:LYS:H	10	1.51
(1,688)	1:480:A:LEU:HD13	1:481:A:LYS:H	10	1.51
(1,688)	1:480:A:LEU:HD21	1:481:A:LYS:H	10	1.51
(1,688)	1:480:A:LEU:HD22	1:481:A:LYS:H	10	1.51
(1,688)	1:480:A:LEU:HD23	1:481:A:LYS:H	10	1.51
(1,654)	1:474:A:LYS:H	1:474:A:LYS:HG2	5	1.51
(1,605)	1:426:A:MET:HA	1:429:A:GLY:H	15	1.51
(1,586)	1:427:A:PRO:HG2	1:428:A:PHE:H	14	1.51
(1,561)	1:410:A:TYR:HD1	1:411:A:HIS:H	1	1.51
(1,561)	1:410:A:TYR:HD2	1:411:A:HIS:H	1	1.51
(1,515)	1:455:A:ASN:HB3	1:455:A:ASN:HD21	15	1.51
(1,467)	1:422:A:LEU:HD11	1:423:A:GLN:H	20	1.51
(1,467)	1:422:A:LEU:HD12	1:423:A:GLN:H	20	1.51
(1,467)	1:422:A:LEU:HD13	1:423:A:GLN:H	20	1.51
(1,467)	1:422:A:LEU:HD21	1:423:A:GLN:H	20	1.51
(1,467)	1:422:A:LEU:HD22	1:423:A:GLN:H	20	1.51
(1,467)	1:422:A:LEU:HD23	1:423:A:GLN:H	20	1.51
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD11	15	1.51
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD12	15	1.51
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD13	15	1.51
(1,416)	1:440:A:LYS:HB2	1:441:A:GLN:H	8	1.51
(1,416)	1:440:A:LYS:HB3	1:441:A:GLN:H	8	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD11	2	1.51
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD12	2	1.51
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD13	2	1.51
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD21	2	1.51
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD22	2	1.51
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD23	2	1.51
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD11	20	1.51
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD12	20	1.51
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD13	20	1.51
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD21	20	1.51
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD22	20	1.51
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD23	20	1.51
(1,274)	1:456:A:PRO:HB2	1:457:A:VAL:H	10	1.51
(1,264)	1:409:A:ILE:H	1:450:A:PHE:HA	6	1.51
(1,262)	1:486:A:ASP:H	1:486:A:ASP:HB2	12	1.51
(1,193)	1:436:A:VAL:H	1:436:A:VAL:HB	18	1.51
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG11	15	1.51
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG12	15	1.51
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG13	15	1.51
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD1	20	1.51
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD2	20	1.51
(1,100)	1:450:A:PHE:HD1	1:451:A:VAL:H	17	1.51
(1,100)	1:450:A:PHE:HD2	1:451:A:VAL:H	17	1.51
(1,91)	1:480:A:LEU:HD11	1:481:A:LYS:H	10	1.51
(1,91)	1:480:A:LEU:HD12	1:481:A:LYS:H	10	1.51
(1,91)	1:480:A:LEU:HD13	1:481:A:LYS:H	10	1.51
(1,91)	1:480:A:LEU:HD21	1:481:A:LYS:H	10	1.51
(1,91)	1:480:A:LEU:HD22	1:481:A:LYS:H	10	1.51
(1,91)	1:480:A:LEU:HD23	1:481:A:LYS:H	10	1.51
(1,47)	1:439:A:ASP:H	1:439:A:ASP:HB3	9	1.51
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	9	1.5
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	9	1.5
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	9	1.5
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	9	1.5
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	17	1.5
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	17	1.5
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	17	1.5
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	17	1.5
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD1	9	1.5
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD2	9	1.5
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD1	10	1.5
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD2	10	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD1	10	1.5
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD2	10	1.5
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD1	4	1.5
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD2	4	1.5
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	8	1.5
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	8	1.5
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD2	19	1.5
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD3	19	1.5
(1,1490)	1:438:A:ILE:HG21	1:443:A:ASN:HA	5	1.5
(1,1490)	1:438:A:ILE:HG22	1:443:A:ASN:HA	5	1.5
(1,1490)	1:438:A:ILE:HG23	1:443:A:ASN:HA	5	1.5
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD2	19	1.5
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD3	19	1.5
(1,1459)	1:414:A:GLN:HA	1:414:A:GLN:HG3	12	1.5
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG2	3	1.5
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG3	3	1.5
(1,1359)	1:475:A:ARG:HB2	1:475:A:ARG:HD2	17	1.5
(1,1359)	1:475:A:ARG:HB3	1:475:A:ARG:HD2	17	1.5
(1,1359)	1:475:A:ARG:HB2	1:475:A:ARG:HD2	19	1.5
(1,1359)	1:475:A:ARG:HB3	1:475:A:ARG:HD2	19	1.5
(1,1358)	1:475:A:ARG:HB2	1:475:A:ARG:HD3	1	1.5
(1,1358)	1:475:A:ARG:HB3	1:475:A:ARG:HD3	1	1.5
(1,1069)	1:432:A:ILE:HD11	1:454:A:ASP:HA	10	1.5
(1,1069)	1:432:A:ILE:HD12	1:454:A:ASP:HA	10	1.5
(1,1069)	1:432:A:ILE:HD13	1:454:A:ASP:HA	10	1.5
(1,1032)	1:430:A:ASN:HB2	1:454:A:ASP:H	3	1.5
(1,1032)	1:430:A:ASN:HB3	1:454:A:ASP:H	3	1.5
(1,987)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	6	1.5
(1,987)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	6	1.5
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	13	1.5
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	13	1.5
(1,880)	1:480:A:LEU:HB2	1:481:A:LYS:H	11	1.5
(1,880)	1:480:A:LEU:HB3	1:481:A:LYS:H	11	1.5
(1,800)	1:465:A:ALA:HB1	1:466:A:MET:H	10	1.5
(1,800)	1:465:A:ALA:HB2	1:466:A:MET:H	10	1.5
(1,800)	1:465:A:ALA:HB3	1:466:A:MET:H	10	1.5
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG11	12	1.5
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG12	12	1.5
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG13	12	1.5
(1,710)	1:478:A:VAL:HG21	1:479:A:GLN:H	10	1.5
(1,710)	1:478:A:VAL:HG22	1:479:A:GLN:H	10	1.5
(1,710)	1:478:A:VAL:HG23	1:479:A:GLN:H	10	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,676)	1:481:A:LYS:HG2	1:482:A:ARG:H	13	1.5
(1,676)	1:481:A:LYS:HG3	1:482:A:ARG:H	13	1.5
(1,654)	1:474:A:LYS:H	1:474:A:LYS:HG2	14	1.5
(1,605)	1:426:A:MET:HA	1:429:A:GLY:H	20	1.5
(1,595)	1:439:A:ASP:HB3	1:442:A:THR:H	19	1.5
(1,555)	1:425:A:PHE:H	1:425:A:PHE:HB3	12	1.5
(1,553)	1:422:A:LEU:HA	1:425:A:PHE:H	7	1.5
(1,528)	1:430:A:ASN:HB2	1:430:A:ASN:HD22	4	1.5
(1,528)	1:430:A:ASN:HB3	1:430:A:ASN:HD22	4	1.5
(1,528)	1:430:A:ASN:HB2	1:430:A:ASN:HD22	17	1.5
(1,528)	1:430:A:ASN:HB3	1:430:A:ASN:HD22	17	1.5
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG21	18	1.5
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG22	18	1.5
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG23	18	1.5
(1,467)	1:422:A:LEU:HD11	1:423:A:GLN:H	4	1.5
(1,467)	1:422:A:LEU:HD12	1:423:A:GLN:H	4	1.5
(1,467)	1:422:A:LEU:HD13	1:423:A:GLN:H	4	1.5
(1,467)	1:422:A:LEU:HD21	1:423:A:GLN:H	4	1.5
(1,467)	1:422:A:LEU:HD22	1:423:A:GLN:H	4	1.5
(1,467)	1:422:A:LEU:HD23	1:423:A:GLN:H	4	1.5
(1,445)	1:418:A:ASP:HB2	1:419:A:GLN:H	13	1.5
(1,429)	1:463:A:ILE:H	1:464:A:GLN:H	2	1.5
(1,413)	1:441:A:GLN:H	1:442:A:THR:H	8	1.5
(1,382)	1:444:A:LEU:H	1:444:A:LEU:HB3	18	1.5
(1,288)	1:450:A:PHE:H	1:450:A:PHE:HB3	20	1.5
(1,267)	1:409:A:ILE:H	1:409:A:ILE:HG12	16	1.5
(1,264)	1:409:A:ILE:H	1:450:A:PHE:HA	2	1.5
(1,248)	1:405:A:ALA:HB1	1:453:A:TYR:H	8	1.5
(1,248)	1:405:A:ALA:HB2	1:453:A:TYR:H	8	1.5
(1,248)	1:405:A:ALA:HB3	1:453:A:TYR:H	8	1.5
(1,232)	1:438:A:ILE:H	1:438:A:ILE:HB	8	1.5
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG21	2	1.5
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG22	2	1.5
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG23	2	1.5
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG11	20	1.5
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG12	20	1.5
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG13	20	1.5
(1,118)	1:478:A:VAL:HG21	1:479:A:GLN:H	10	1.5
(1,118)	1:478:A:VAL:HG22	1:479:A:GLN:H	10	1.5
(1,118)	1:478:A:VAL:HG23	1:479:A:GLN:H	10	1.5
(1,114)	1:489:A:PRO:HA	1:490:A:TYR:H	20	1.5
(1,26)	1:426:A:MET:H	1:426:A:MET:HG2	5	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,26)	1:426:A:MET:H	1:426:A:MET:HG3	5	1.5
(1,1588)	1:411:A:HIS:H	1:411:A:HIS:HD2	9	1.49
(1,1537)	1:448:A:PHE:HD1	1:449:A:GLY:H	16	1.49
(1,1537)	1:448:A:PHE:HD2	1:449:A:GLY:H	16	1.49
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	6	1.49
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	6	1.49
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	10	1.49
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	10	1.49
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	2	1.49
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	2	1.49
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	2	1.49
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	2	1.49
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	2	1.49
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	2	1.49
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	2	1.49
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	2	1.49
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	2	1.49
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD1	1	1.49
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD2	1	1.49
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD1	10	1.49
(1,1422)	1:425:A:PHE:HA	1:428:A:PHE:HD2	10	1.49
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	11	1.49
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	11	1.49
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	11	1.49
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	11	1.49
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	11	1.49
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	11	1.49
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	11	1.49
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	11	1.49
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	11	1.49
(1,1358)	1:475:A:ARG:HB2	1:475:A:ARG:HD3	2	1.49
(1,1358)	1:475:A:ARG:HB3	1:475:A:ARG:HD3	2	1.49
(1,1358)	1:475:A:ARG:HB2	1:475:A:ARG:HD3	9	1.49
(1,1358)	1:475:A:ARG:HB3	1:475:A:ARG:HD3	9	1.49
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	11	1.49
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	11	1.49
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	11	1.49
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	11	1.49
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	11	1.49
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	11	1.49
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	11	1.49
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	11	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	11	1.49
(1,1319)	1:434:A:ALA:HB1	1:451:A:VAL:HA	1	1.49
(1,1319)	1:434:A:ALA:HB2	1:451:A:VAL:HA	1	1.49
(1,1319)	1:434:A:ALA:HB3	1:451:A:VAL:HA	1	1.49
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	5	1.49
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	5	1.49
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	5	1.49
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD11	16	1.49
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD12	16	1.49
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD13	16	1.49
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD21	16	1.49
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD22	16	1.49
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD23	16	1.49
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	12	1.49
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	12	1.49
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	12	1.49
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	12	1.49
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	12	1.49
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	12	1.49
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	12	1.49
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	12	1.49
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	12	1.49
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	12	1.49
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	12	1.49
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	12	1.49
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	12	1.49
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	12	1.49
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	12	1.49
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	12	1.49
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	12	1.49
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	12	1.49
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD11	7	1.49
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD12	7	1.49
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD13	7	1.49
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD21	7	1.49
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD22	7	1.49
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD23	7	1.49
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD11	9	1.49
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD12	9	1.49
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD13	9	1.49
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD21	9	1.49
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD22	9	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD23	9	1.49
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG2	16	1.49
(1,1231)	1:475:A:ARG:H	1:475:A:ARG:HG3	16	1.49
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD11	16	1.49
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD12	16	1.49
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD13	16	1.49
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD21	16	1.49
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD22	16	1.49
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD23	16	1.49
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB2	4	1.49
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB3	4	1.49
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB2	4	1.49
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB3	4	1.49
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	2	1.49
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	2	1.49
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	2	1.49
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	2	1.49
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	2	1.49
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	2	1.49
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	2	1.49
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	2	1.49
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	2	1.49
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD11	11	1.49
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD12	11	1.49
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD13	11	1.49
(1,1032)	1:430:A:ASN:HB2	1:454:A:ASP:H	19	1.49
(1,1032)	1:430:A:ASN:HB3	1:454:A:ASP:H	19	1.49
(1,984)	1:416:A:PHE:HB2	1:417:A:GLY:H	9	1.49
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG21	17	1.49
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG22	17	1.49
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG23	17	1.49
(1,941)	1:409:A:ILE:HB	1:410:A:TYR:H	8	1.49
(1,941)	1:409:A:ILE:HB	1:410:A:TYR:H	16	1.49
(1,923)	1:455:A:ASN:HB3	1:457:A:VAL:H	14	1.49
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	3	1.49
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	3	1.49
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	4	1.49
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	4	1.49
(1,891)	1:439:A:ASP:HB3	1:444:A:LEU:H	2	1.49
(1,887)	1:433:A:SER:HB3	1:434:A:ALA:H	6	1.49
(1,887)	1:433:A:SER:HB3	1:434:A:ALA:H	18	1.49
(1,880)	1:480:A:LEU:HB2	1:481:A:LYS:H	1	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,880)	1:480:A:LEU:HB3	1:481:A:LYS:H	1	1.49
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	2	1.49
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	2	1.49
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	2	1.49
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	2	1.49
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	2	1.49
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	2	1.49
(1,809)	1:434:A:ALA:HB1	1:435:A:LYS:H	3	1.49
(1,809)	1:434:A:ALA:HB2	1:435:A:LYS:H	3	1.49
(1,809)	1:434:A:ALA:HB3	1:435:A:LYS:H	3	1.49
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG11	3	1.49
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG12	3	1.49
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG13	3	1.49
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG11	3	1.49
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG12	3	1.49
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG13	3	1.49
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG11	4	1.49
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG12	4	1.49
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG13	4	1.49
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG11	6	1.49
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG12	6	1.49
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG13	6	1.49
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG11	20	1.49
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG12	20	1.49
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG13	20	1.49
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	12	1.49
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	12	1.49
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	12	1.49
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	12	1.49
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	12	1.49
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	12	1.49
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	12	1.49
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	12	1.49
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	12	1.49
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	12	1.49
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	12	1.49
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	12	1.49
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	12	1.49
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	12	1.49
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	12	1.49
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	12	1.49
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	12	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	12	1.49
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD11	7	1.49
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD12	7	1.49
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD13	7	1.49
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD21	7	1.49
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD22	7	1.49
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD23	7	1.49
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD11	9	1.49
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD12	9	1.49
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD13	9	1.49
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD21	9	1.49
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD22	9	1.49
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD23	9	1.49
(1,679)	1:477:A:LYS:HG2	1:478:A:VAL:H	11	1.49
(1,679)	1:477:A:LYS:HG3	1:478:A:VAL:H	11	1.49
(1,654)	1:474:A:LYS:H	1:474:A:LYS:HG2	20	1.49
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	12	1.49
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	12	1.49
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	12	1.49
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	12	1.49
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	12	1.49
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	12	1.49
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	12	1.49
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	12	1.49
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	12	1.49
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	12	1.49
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	12	1.49
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	12	1.49
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	12	1.49
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	12	1.49
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	12	1.49
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	12	1.49
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	12	1.49
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	12	1.49
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	16	1.49
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	16	1.49
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	16	1.49
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	16	1.49
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	16	1.49
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	16	1.49
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	16	1.49
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	16	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	16	1.49
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	16	1.49
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	16	1.49
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	16	1.49
(1,591)	1:448:A:PHE:HB2	1:449:A:GLY:H	15	1.49
(1,591)	1:448:A:PHE:HB3	1:449:A:GLY:H	15	1.49
(1,577)	1:401:A:GLY:H	1:452:A:SER:HB2	3	1.49
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG21	17	1.49
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG22	17	1.49
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG23	17	1.49
(1,495)	1:415:A:GLU:H	1:415:A:GLU:HB3	9	1.49
(1,445)	1:418:A:ASP:HB2	1:419:A:GLN:H	17	1.49
(1,416)	1:440:A:LYS:HB2	1:441:A:GLN:H	7	1.49
(1,416)	1:440:A:LYS:HB3	1:441:A:GLN:H	7	1.49
(1,416)	1:440:A:LYS:HB2	1:441:A:GLN:H	9	1.49
(1,416)	1:440:A:LYS:HB3	1:441:A:GLN:H	9	1.49
(1,416)	1:440:A:LYS:HB2	1:441:A:GLN:H	16	1.49
(1,416)	1:440:A:LYS:HB3	1:441:A:GLN:H	16	1.49
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG2	16	1.49
(1,315)	1:475:A:ARG:H	1:475:A:ARG:HG3	16	1.49
(1,267)	1:409:A:ILE:H	1:409:A:ILE:HG12	1	1.49
(1,257)	1:434:A:ALA:HB1	1:435:A:LYS:H	3	1.49
(1,257)	1:434:A:ALA:HB2	1:435:A:LYS:H	3	1.49
(1,257)	1:434:A:ALA:HB3	1:435:A:LYS:H	3	1.49
(1,241)	1:399:A:LYS:HB2	1:400:A:GLU:H	18	1.49
(1,241)	1:399:A:LYS:HB3	1:400:A:GLU:H	18	1.49
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG21	3	1.49
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG22	3	1.49
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG23	3	1.49
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG21	19	1.49
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG22	19	1.49
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG23	19	1.49
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD1	9	1.49
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD2	9	1.49
(1,192)	1:418:A:ASP:HB2	1:436:A:VAL:H	12	1.49
(1,166)	1:463:A:ILE:HG21	1:480:A:LEU:H	7	1.49
(1,166)	1:463:A:ILE:HG22	1:480:A:LEU:H	7	1.49
(1,166)	1:463:A:ILE:HG23	1:480:A:LEU:H	7	1.49
(1,135)	1:422:A:LEU:H	1:422:A:LEU:HB3	13	1.49
(1,116)	1:490:A:TYR:H	1:490:A:TYR:HB2	15	1.49
(1,114)	1:489:A:PRO:HA	1:490:A:TYR:H	14	1.49
(1,101)	1:450:A:PHE:HB3	1:451:A:VAL:H	11	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:431:A:VAL:HG21	1:432:A:ILE:H	7	1.49
(1,17)	1:431:A:VAL:HG22	1:432:A:ILE:H	7	1.49
(1,17)	1:431:A:VAL:HG23	1:432:A:ILE:H	7	1.49
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG21	17	1.49
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG22	17	1.49
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG23	17	1.49
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD1	1	1.48
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD2	1	1.48
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD1	1	1.48
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD2	1	1.48
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD1	6	1.48
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD2	6	1.48
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD1	6	1.48
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD2	6	1.48
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	19	1.48
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	19	1.48
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG2	8	1.48
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG3	8	1.48
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG21	14	1.48
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG22	14	1.48
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG23	14	1.48
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG21	14	1.48
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG22	14	1.48
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG23	14	1.48
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD1	7	1.48
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD2	7	1.48
(1,1358)	1:475:A:ARG:HB2	1:475:A:ARG:HD3	12	1.48
(1,1358)	1:475:A:ARG:HB3	1:475:A:ARG:HD3	12	1.48
(1,1288)	1:431:A:VAL:HG11	1:453:A:TYR:HE1	7	1.48
(1,1288)	1:431:A:VAL:HG11	1:453:A:TYR:HE2	7	1.48
(1,1288)	1:431:A:VAL:HG12	1:453:A:TYR:HE1	7	1.48
(1,1288)	1:431:A:VAL:HG12	1:453:A:TYR:HE2	7	1.48
(1,1288)	1:431:A:VAL:HG13	1:453:A:TYR:HE1	7	1.48
(1,1288)	1:431:A:VAL:HG13	1:453:A:TYR:HE2	7	1.48
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD11	4	1.48
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD12	4	1.48
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD13	4	1.48
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD21	4	1.48
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD22	4	1.48
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD23	4	1.48
(1,1239)	1:432:A:ILE:HG12	1:433:A:SER:H	8	1.48
(1,1239)	1:432:A:ILE:HG13	1:433:A:SER:H	8	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1200)	1:398:A:GLN:HB2	1:399:A:LYS:H	10	1.48
(1,1200)	1:398:A:GLN:HB3	1:399:A:LYS:H	10	1.48
(1,1195)	1:403:A:GLU:H	1:403:A:GLU:HB3	13	1.48
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD11	4	1.48
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD12	4	1.48
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD13	4	1.48
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD21	4	1.48
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD22	4	1.48
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD23	4	1.48
(1,1169)	1:462:A:ALA:HA	1:465:A:ALA:H	9	1.48
(1,1169)	1:462:A:ALA:HA	1:465:A:ALA:H	14	1.48
(1,1101)	1:477:A:LYS:HB2	1:478:A:VAL:H	7	1.48
(1,1101)	1:477:A:LYS:HB3	1:478:A:VAL:H	7	1.48
(1,1032)	1:430:A:ASN:HB2	1:454:A:ASP:H	1	1.48
(1,1032)	1:430:A:ASN:HB3	1:454:A:ASP:H	1	1.48
(1,1023)	1:421:A:ILE:HB	1:422:A:LEU:H	20	1.48
(1,1013)	1:463:A:ILE:HB	1:464:A:GLN:H	1	1.48
(1,944)	1:409:A:ILE:H	1:409:A:ILE:HB	1	1.48
(1,944)	1:409:A:ILE:H	1:409:A:ILE:HB	8	1.48
(1,944)	1:409:A:ILE:H	1:409:A:ILE:HB	20	1.48
(1,940)	1:486:A:ASP:H	1:486:A:ASP:HB2	18	1.48
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	13	1.48
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	13	1.48
(1,887)	1:433:A:SER:HB3	1:434:A:ALA:H	5	1.48
(1,880)	1:480:A:LEU:HB2	1:481:A:LYS:H	2	1.48
(1,880)	1:480:A:LEU:HB3	1:481:A:LYS:H	2	1.48
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB2	18	1.48
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB3	18	1.48
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB2	18	1.48
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB3	18	1.48
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB2	18	1.48
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB3	18	1.48
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG11	10	1.48
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG12	10	1.48
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG13	10	1.48
(1,720)	1:444:A:LEU:HD11	1:445:A:SER:H	9	1.48
(1,720)	1:444:A:LEU:HD12	1:445:A:SER:H	9	1.48
(1,720)	1:444:A:LEU:HD13	1:445:A:SER:H	9	1.48
(1,720)	1:444:A:LEU:HD21	1:445:A:SER:H	9	1.48
(1,720)	1:444:A:LEU:HD22	1:445:A:SER:H	9	1.48
(1,720)	1:444:A:LEU:HD23	1:445:A:SER:H	9	1.48
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG21	5	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG22	5	1.48
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG23	5	1.48
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	7	1.48
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	7	1.48
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	7	1.48
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	7	1.48
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	7	1.48
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	7	1.48
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	7	1.48
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	7	1.48
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	7	1.48
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	7	1.48
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	7	1.48
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	7	1.48
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	7	1.48
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	7	1.48
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	7	1.48
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	7	1.48
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	7	1.48
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	7	1.48
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	18	1.48
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	18	1.48
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	18	1.48
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	18	1.48
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	18	1.48
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	18	1.48
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	18	1.48
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	18	1.48
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	18	1.48
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	18	1.48
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	18	1.48
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	18	1.48
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	18	1.48
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	18	1.48
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	18	1.48
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	18	1.48
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	18	1.48
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	18	1.48
(1,545)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	14	1.48
(1,522)	1:432:A:ILE:HB	1:433:A:SER:H	5	1.48
(1,515)	1:455:A:ASN:HB3	1:455:A:ASN:HD21	4	1.48
(1,479)	1:444:A:LEU:HD11	1:445:A:SER:H	9	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:444:A:LEU:HD12	1:445:A:SER:H	9	1.48
(1,479)	1:444:A:LEU:HD13	1:445:A:SER:H	9	1.48
(1,479)	1:444:A:LEU:HD21	1:445:A:SER:H	9	1.48
(1,479)	1:444:A:LEU:HD22	1:445:A:SER:H	9	1.48
(1,479)	1:444:A:LEU:HD23	1:445:A:SER:H	9	1.48
(1,432)	1:463:A:ILE:HB	1:464:A:GLN:H	1	1.48
(1,421)	1:462:A:ALA:HA	1:465:A:ALA:H	9	1.48
(1,421)	1:462:A:ALA:HA	1:465:A:ALA:H	14	1.48
(1,328)	1:403:A:GLU:H	1:403:A:GLU:HB3	13	1.48
(1,262)	1:486:A:ASP:H	1:486:A:ASP:HB2	18	1.48
(1,244)	1:399:A:LYS:HD2	1:400:A:GLU:H	6	1.48
(1,244)	1:399:A:LYS:HD3	1:400:A:GLU:H	6	1.48
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD11	11	1.48
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD12	11	1.48
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD13	11	1.48
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD21	11	1.48
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD22	11	1.48
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD23	11	1.48
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD11	20	1.48
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD12	20	1.48
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD13	20	1.48
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD21	20	1.48
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD22	20	1.48
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD23	20	1.48
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG21	5	1.48
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG22	5	1.48
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG23	5	1.48
(1,39)	1:477:A:LYS:HB2	1:478:A:VAL:H	7	1.48
(1,39)	1:477:A:LYS:HB3	1:478:A:VAL:H	7	1.48
(1,26)	1:426:A:MET:H	1:426:A:MET:HG2	3	1.48
(1,26)	1:426:A:MET:H	1:426:A:MET:HG3	3	1.48
(1,1591)	1:411:A:HIS:HB3	1:411:A:HIS:HD2	15	1.47
(1,1588)	1:411:A:HIS:H	1:411:A:HIS:HD2	11	1.47
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD1	6	1.47
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD2	6	1.47
(1,1458)	1:414:A:GLN:HA	1:414:A:GLN:HG2	11	1.47
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG2	11	1.47
(1,1457)	1:415:A:GLU:HA	1:415:A:GLU:HG3	11	1.47
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	19	1.47
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	19	1.47
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	19	1.47
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	19	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	19	1.47
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	19	1.47
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	19	1.47
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	19	1.47
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	19	1.47
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	10	1.47
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	10	1.47
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	10	1.47
(1,1319)	1:434:A:ALA:HB1	1:451:A:VAL:HA	5	1.47
(1,1319)	1:434:A:ALA:HB2	1:451:A:VAL:HA	5	1.47
(1,1319)	1:434:A:ALA:HB3	1:451:A:VAL:HA	5	1.47
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	19	1.47
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	19	1.47
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	19	1.47
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	19	1.47
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	19	1.47
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	19	1.47
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	19	1.47
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	19	1.47
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	19	1.47
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG2	1	1.47
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG3	1	1.47
(1,1247)	1:412:A:LEU:HG	1:421:A:ILE:HG13	2	1.47
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD2	14	1.47
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD3	14	1.47
(1,1195)	1:403:A:GLU:H	1:403:A:GLU:HB3	14	1.47
(1,1160)	1:459:A:ALA:HA	1:462:A:ALA:H	18	1.47
(1,1069)	1:432:A:ILE:HD11	1:454:A:ASP:HA	8	1.47
(1,1069)	1:432:A:ILE:HD12	1:454:A:ASP:HA	8	1.47
(1,1069)	1:432:A:ILE:HD13	1:454:A:ASP:HA	8	1.47
(1,1069)	1:432:A:ILE:HD11	1:454:A:ASP:HA	19	1.47
(1,1069)	1:432:A:ILE:HD12	1:454:A:ASP:HA	19	1.47
(1,1069)	1:432:A:ILE:HD13	1:454:A:ASP:HA	19	1.47
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG2	17	1.47
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG3	17	1.47
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG2	11	1.47
(1,1062)	1:415:A:GLU:HA	1:415:A:GLU:HG3	11	1.47
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD11	19	1.47
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD12	19	1.47
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD13	19	1.47
(1,1019)	1:432:A:ILE:H	1:432:A:ILE:HB	2	1.47
(1,1013)	1:463:A:ILE:HB	1:464:A:GLN:H	14	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD11	9	1.47
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD12	9	1.47
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD13	9	1.47
(1,964)	1:420:A:ASP:H	1:420:A:ASP:HB2	1	1.47
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG21	12	1.47
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG22	12	1.47
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG23	12	1.47
(1,880)	1:480:A:LEU:HB2	1:481:A:LYS:H	9	1.47
(1,880)	1:480:A:LEU:HB3	1:481:A:LYS:H	9	1.47
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG11	6	1.47
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG12	6	1.47
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG13	6	1.47
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG11	15	1.47
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG12	15	1.47
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG13	15	1.47
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG11	19	1.47
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG12	19	1.47
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG13	19	1.47
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD11	17	1.47
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD12	17	1.47
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD13	17	1.47
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD21	17	1.47
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD22	17	1.47
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD23	17	1.47
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	3	1.47
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	3	1.47
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	3	1.47
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	3	1.47
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	3	1.47
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	3	1.47
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	3	1.47
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	3	1.47
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	3	1.47
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	3	1.47
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	3	1.47
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	3	1.47
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	6	1.47
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	6	1.47
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	6	1.47
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	6	1.47
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	6	1.47
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	6	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	6	1.47
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	6	1.47
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	6	1.47
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	6	1.47
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	6	1.47
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	6	1.47
(1,583)	1:426:A:MET:HA	1:428:A:PHE:H	8	1.47
(1,576)	1:398:A:GLN:HG2	1:398:A:GLN:HE22	2	1.47
(1,561)	1:410:A:TYR:HD1	1:411:A:HIS:H	11	1.47
(1,561)	1:410:A:TYR:HD2	1:411:A:HIS:H	11	1.47
(1,555)	1:425:A:PHE:H	1:425:A:PHE:HB3	7	1.47
(1,503)	1:410:A:TYR:HA	1:412:A:LEU:H	13	1.47
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG2	17	1.47
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG3	17	1.47
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG21	12	1.47
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG22	12	1.47
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG23	12	1.47
(1,432)	1:463:A:ILE:HB	1:464:A:GLN:H	14	1.47
(1,416)	1:440:A:LYS:HB2	1:441:A:GLN:H	11	1.47
(1,416)	1:440:A:LYS:HB3	1:441:A:GLN:H	11	1.47
(1,388)	1:420:A:ASP:H	1:420:A:ASP:HB2	1	1.47
(1,328)	1:403:A:GLU:H	1:403:A:GLU:HB3	14	1.47
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG11	12	1.47
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG12	12	1.47
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG13	12	1.47
(1,267)	1:409:A:ILE:H	1:409:A:ILE:HG12	12	1.47
(1,252)	1:402:A:PRO:HD2	1:453:A:TYR:H	4	1.47
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG21	13	1.47
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG22	13	1.47
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG23	13	1.47
(1,214)	1:459:A:ALA:HA	1:462:A:ALA:H	18	1.47
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG11	6	1.47
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG12	6	1.47
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG13	6	1.47
(1,52)	1:471:A:ILE:H	1:474:A:LYS:H	12	1.47
(1,15)	1:432:A:ILE:H	1:432:A:ILE:HB	2	1.47
(1,1537)	1:448:A:PHE:HD1	1:449:A:GLY:H	4	1.46
(1,1537)	1:448:A:PHE:HD2	1:449:A:GLY:H	4	1.46
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD2	17	1.46
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD3	17	1.46
(1,1459)	1:414:A:GLN:HA	1:414:A:GLN:HG3	5	1.46
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE1	2	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE2	2	1.46
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE3	2	1.46
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB1	18	1.46
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB2	18	1.46
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB3	18	1.46
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB1	18	1.46
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB2	18	1.46
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB3	18	1.46
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB1	18	1.46
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB2	18	1.46
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB3	18	1.46
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG11	19	1.46
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG12	19	1.46
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG13	19	1.46
(1,1318)	1:422:A:LEU:HA	1:434:A:ALA:HB1	19	1.46
(1,1318)	1:422:A:LEU:HA	1:434:A:ALA:HB2	19	1.46
(1,1318)	1:422:A:LEU:HA	1:434:A:ALA:HB3	19	1.46
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	17	1.46
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	17	1.46
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	17	1.46
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD11	8	1.46
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD12	8	1.46
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD13	8	1.46
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD21	8	1.46
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD22	8	1.46
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD23	8	1.46
(1,1255)	1:463:A:ILE:HD11	1:480:A:LEU:HG	19	1.46
(1,1255)	1:463:A:ILE:HD12	1:480:A:LEU:HG	19	1.46
(1,1255)	1:463:A:ILE:HD13	1:480:A:LEU:HG	19	1.46
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	8	1.46
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	8	1.46
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	8	1.46
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	8	1.46
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	8	1.46
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	8	1.46
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	8	1.46
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	8	1.46
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	8	1.46
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	8	1.46
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	8	1.46
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	8	1.46
(1,1166)	1:400:A:GLU:HB2	1:401:A:GLY:H	14	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG2	15	1.46
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG3	15	1.46
(1,1108)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	3	1.46
(1,1108)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	12	1.46
(1,1103)	1:441:A:GLN:HA	1:441:A:GLN:HG3	3	1.46
(1,1098)	1:440:A:LYS:HA	1:442:A:THR:H	14	1.46
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG2	9	1.46
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG3	9	1.46
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	8	1.46
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	8	1.46
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	8	1.46
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	8	1.46
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	8	1.46
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	8	1.46
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	8	1.46
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	8	1.46
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	8	1.46
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	17	1.46
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	17	1.46
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	17	1.46
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	17	1.46
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	17	1.46
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	17	1.46
(1,998)	1:485:A:ASN:HB3	1:486:A:ASP:H	12	1.46
(1,964)	1:420:A:ASP:H	1:420:A:ASP:HB2	10	1.46
(1,954)	1:463:A:ILE:HG21	1:464:A:GLN:H	7	1.46
(1,954)	1:463:A:ILE:HG22	1:464:A:GLN:H	7	1.46
(1,954)	1:463:A:ILE:HG23	1:464:A:GLN:H	7	1.46
(1,948)	1:461:A:ALA:HB1	1:462:A:ALA:H	18	1.46
(1,948)	1:461:A:ALA:HB2	1:462:A:ALA:H	18	1.46
(1,948)	1:461:A:ALA:HB3	1:462:A:ALA:H	18	1.46
(1,944)	1:409:A:ILE:H	1:409:A:ILE:HB	4	1.46
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG21	6	1.46
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG22	6	1.46
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG23	6	1.46
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	7	1.46
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	7	1.46
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	15	1.46
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	15	1.46
(1,887)	1:433:A:SER:HB3	1:434:A:ALA:H	12	1.46
(1,885)	1:433:A:SER:HB2	1:434:A:ALA:H	11	1.46
(1,830)	1:450:A:PHE:HB2	1:451:A:VAL:H	3	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,820)	1:431:A:VAL:HG21	1:434:A:ALA:HB1	3	1.46
(1,820)	1:431:A:VAL:HG21	1:434:A:ALA:HB2	3	1.46
(1,820)	1:431:A:VAL:HG21	1:434:A:ALA:HB3	3	1.46
(1,820)	1:431:A:VAL:HG22	1:434:A:ALA:HB1	3	1.46
(1,820)	1:431:A:VAL:HG22	1:434:A:ALA:HB2	3	1.46
(1,820)	1:431:A:VAL:HG22	1:434:A:ALA:HB3	3	1.46
(1,820)	1:431:A:VAL:HG23	1:434:A:ALA:HB1	3	1.46
(1,820)	1:431:A:VAL:HG23	1:434:A:ALA:HB2	3	1.46
(1,820)	1:431:A:VAL:HG23	1:434:A:ALA:HB3	3	1.46
(1,815)	1:434:A:ALA:HB1	1:435:A:LYS:HA	8	1.46
(1,815)	1:434:A:ALA:HB2	1:435:A:LYS:HA	8	1.46
(1,815)	1:434:A:ALA:HB3	1:435:A:LYS:HA	8	1.46
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB2	17	1.46
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB3	17	1.46
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB2	17	1.46
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB3	17	1.46
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB2	17	1.46
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB3	17	1.46
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG11	14	1.46
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG12	14	1.46
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG13	14	1.46
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG11	17	1.46
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG12	17	1.46
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG13	17	1.46
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG21	10	1.46
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG22	10	1.46
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG23	10	1.46
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG11	8	1.46
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG12	8	1.46
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG13	8	1.46
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD11	8	1.46
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD12	8	1.46
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD13	8	1.46
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD21	8	1.46
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD22	8	1.46
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD23	8	1.46
(1,684)	1:399:A:LYS:HG2	1:400:A:GLU:H	12	1.46
(1,684)	1:399:A:LYS:HG3	1:400:A:GLU:H	12	1.46
(1,605)	1:426:A:MET:HA	1:429:A:GLY:H	3	1.46
(1,605)	1:426:A:MET:HA	1:429:A:GLY:H	5	1.46
(1,586)	1:427:A:PRO:HG2	1:428:A:PHE:H	19	1.46
(1,582)	1:400:A:GLU:HB2	1:401:A:GLY:H	14	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	11	1.46
(1,515)	1:455:A:ASN:HB3	1:455:A:ASN:HD21	14	1.46
(1,503)	1:410:A:TYR:HA	1:412:A:LEU:H	16	1.46
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG2	9	1.46
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG3	9	1.46
(1,451)	1:460:A:GLN:H	1:480:A:LEU:HG	11	1.46
(1,445)	1:418:A:ASP:HB2	1:419:A:GLN:H	12	1.46
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG21	6	1.46
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG22	6	1.46
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG23	6	1.46
(1,388)	1:420:A:ASP:H	1:420:A:ASP:HB2	10	1.46
(1,358)	1:460:A:GLN:HA	1:463:A:ILE:H	14	1.46
(1,267)	1:409:A:ILE:H	1:409:A:ILE:HG12	20	1.46
(1,242)	1:399:A:LYS:HG2	1:400:A:GLU:H	12	1.46
(1,242)	1:399:A:LYS:HG3	1:400:A:GLU:H	12	1.46
(1,218)	1:461:A:ALA:HB1	1:462:A:ALA:H	18	1.46
(1,218)	1:461:A:ALA:HB2	1:462:A:ALA:H	18	1.46
(1,218)	1:461:A:ALA:HB3	1:462:A:ALA:H	18	1.46
(1,192)	1:418:A:ASP:HB2	1:436:A:VAL:H	3	1.46
(1,182)	1:422:A:LEU:H	1:422:A:LEU:HB2	2	1.46
(1,158)	1:407:A:LEU:H	1:407:A:LEU:HB3	11	1.46
(1,133)	1:405:A:ALA:HB1	1:451:A:VAL:H	10	1.46
(1,133)	1:405:A:ALA:HB2	1:451:A:VAL:H	10	1.46
(1,133)	1:405:A:ALA:HB3	1:451:A:VAL:H	10	1.46
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD1	20	1.46
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD2	20	1.46
(1,47)	1:439:A:ASP:H	1:439:A:ASP:HB3	17	1.46
(1,26)	1:426:A:MET:H	1:426:A:MET:HG2	6	1.46
(1,26)	1:426:A:MET:H	1:426:A:MET:HG3	6	1.46
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	5	1.45
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	5	1.45
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	5	1.45
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	5	1.45
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	5	1.45
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	5	1.45
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD1	14	1.45
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD2	14	1.45
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	1	1.45
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	1	1.45
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	1	1.45
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	1	1.45
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	1	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	1	1.45
(1,1358)	1:475:A:ARG:HB2	1:475:A:ARG:HD3	5	1.45
(1,1358)	1:475:A:ARG:HB3	1:475:A:ARG:HD3	5	1.45
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	14	1.45
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	14	1.45
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	14	1.45
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD11	5	1.45
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD12	5	1.45
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD13	5	1.45
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD21	5	1.45
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD22	5	1.45
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD23	5	1.45
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD11	19	1.45
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD12	19	1.45
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD13	19	1.45
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD21	19	1.45
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD22	19	1.45
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD23	19	1.45
(1,1108)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	15	1.45
(1,1108)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	16	1.45
(1,1082)	1:422:A:LEU:HA	1:425:A:PHE:HB2	7	1.45
(1,1069)	1:432:A:ILE:HD11	1:454:A:ASP:HA	15	1.45
(1,1069)	1:432:A:ILE:HD12	1:454:A:ASP:HA	15	1.45
(1,1069)	1:432:A:ILE:HD13	1:454:A:ASP:HA	15	1.45
(1,1061)	1:409:A:ILE:HA	1:409:A:ILE:HG12	14	1.45
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD11	4	1.45
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD12	4	1.45
(1,1029)	1:469:A:PHE:HD1	1:471:A:ILE:HD13	4	1.45
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD11	4	1.45
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD12	4	1.45
(1,1029)	1:469:A:PHE:HD2	1:471:A:ILE:HD13	4	1.45
(1,1023)	1:421:A:ILE:HB	1:422:A:LEU:H	7	1.45
(1,1018)	1:443:A:ASN:HB3	1:443:A:ASN:HD22	2	1.45
(1,1017)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	8	1.45
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG21	12	1.45
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG22	12	1.45
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG23	12	1.45
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG21	12	1.45
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG22	12	1.45
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG23	12	1.45
(1,964)	1:420:A:ASP:H	1:420:A:ASP:HB2	17	1.45
(1,944)	1:409:A:ILE:H	1:409:A:ILE:HB	3	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,944)	1:409:A:ILE:H	1:409:A:ILE:HB	16	1.45
(1,944)	1:409:A:ILE:H	1:409:A:ILE:HB	17	1.45
(1,923)	1:455:A:ASN:HB3	1:457:A:VAL:H	1	1.45
(1,857)	1:409:A:ILE:HG21	1:410:A:TYR:H	5	1.45
(1,857)	1:409:A:ILE:HG22	1:410:A:TYR:H	5	1.45
(1,857)	1:409:A:ILE:HG23	1:410:A:TYR:H	5	1.45
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG21	20	1.45
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG22	20	1.45
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG23	20	1.45
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG11	3	1.45
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG12	3	1.45
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG13	3	1.45
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG11	15	1.45
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG12	15	1.45
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG13	15	1.45
(1,824)	1:436:A:VAL:HG11	1:437:A:PHE:H	18	1.45
(1,824)	1:436:A:VAL:HG12	1:437:A:PHE:H	18	1.45
(1,824)	1:436:A:VAL:HG13	1:437:A:PHE:H	18	1.45
(1,809)	1:434:A:ALA:HB1	1:435:A:LYS:H	11	1.45
(1,809)	1:434:A:ALA:HB2	1:435:A:LYS:H	11	1.45
(1,809)	1:434:A:ALA:HB3	1:435:A:LYS:H	11	1.45
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB2	6	1.45
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB3	6	1.45
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB2	6	1.45
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB3	6	1.45
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB2	6	1.45
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB3	6	1.45
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG11	5	1.45
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG12	5	1.45
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG13	5	1.45
(1,720)	1:444:A:LEU:HD11	1:445:A:SER:H	2	1.45
(1,720)	1:444:A:LEU:HD12	1:445:A:SER:H	2	1.45
(1,720)	1:444:A:LEU:HD13	1:445:A:SER:H	2	1.45
(1,720)	1:444:A:LEU:HD21	1:445:A:SER:H	2	1.45
(1,720)	1:444:A:LEU:HD22	1:445:A:SER:H	2	1.45
(1,720)	1:444:A:LEU:HD23	1:445:A:SER:H	2	1.45
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD11	5	1.45
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD12	5	1.45
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD13	5	1.45
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD21	5	1.45
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD22	5	1.45
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD23	5	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD11	19	1.45
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD12	19	1.45
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD13	19	1.45
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD21	19	1.45
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD22	19	1.45
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD23	19	1.45
(1,676)	1:481:A:LYS:HG2	1:482:A:ARG:H	8	1.45
(1,676)	1:481:A:LYS:HG3	1:482:A:ARG:H	8	1.45
(1,583)	1:426:A:MET:HA	1:428:A:PHE:H	11	1.45
(1,577)	1:401:A:GLY:H	1:452:A:SER:HB2	8	1.45
(1,545)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	1	1.45
(1,545)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	2	1.45
(1,545)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	9	1.45
(1,545)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	10	1.45
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG21	10	1.45
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG22	10	1.45
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG23	10	1.45
(1,515)	1:455:A:ASN:HB3	1:455:A:ASN:HD21	12	1.45
(1,515)	1:455:A:ASN:HB3	1:455:A:ASN:HD21	17	1.45
(1,479)	1:444:A:LEU:HD11	1:445:A:SER:H	2	1.45
(1,479)	1:444:A:LEU:HD12	1:445:A:SER:H	2	1.45
(1,479)	1:444:A:LEU:HD13	1:445:A:SER:H	2	1.45
(1,479)	1:444:A:LEU:HD21	1:445:A:SER:H	2	1.45
(1,479)	1:444:A:LEU:HD22	1:445:A:SER:H	2	1.45
(1,479)	1:444:A:LEU:HD23	1:445:A:SER:H	2	1.45
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD1	3	1.45
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD2	3	1.45
(1,445)	1:418:A:ASP:HB2	1:419:A:GLN:H	19	1.45
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD11	3	1.45
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD12	3	1.45
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD13	3	1.45
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD21	3	1.45
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD22	3	1.45
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD23	3	1.45
(1,388)	1:420:A:ASP:H	1:420:A:ASP:HB2	17	1.45
(1,294)	1:409:A:ILE:HD11	1:450:A:PHE:H	5	1.45
(1,294)	1:409:A:ILE:HD12	1:450:A:PHE:H	5	1.45
(1,294)	1:409:A:ILE:HD13	1:450:A:PHE:H	5	1.45
(1,288)	1:450:A:PHE:H	1:450:A:PHE:HB3	2	1.45
(1,288)	1:450:A:PHE:H	1:450:A:PHE:HB3	12	1.45
(1,267)	1:409:A:ILE:H	1:409:A:ILE:HG12	5	1.45
(1,267)	1:409:A:ILE:H	1:409:A:ILE:HG12	6	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,257)	1:434:A:ALA:HB1	1:435:A:LYS:H	11	1.45
(1,257)	1:434:A:ALA:HB2	1:435:A:LYS:H	11	1.45
(1,257)	1:434:A:ALA:HB3	1:435:A:LYS:H	11	1.45
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG21	5	1.45
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG22	5	1.45
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG23	5	1.45
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG11	3	1.45
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG12	3	1.45
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG13	3	1.45
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG11	15	1.45
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG12	15	1.45
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG13	15	1.45
(1,182)	1:422:A:LEU:H	1:422:A:LEU:HB2	6	1.45
(1,64)	1:436:A:VAL:HG11	1:437:A:PHE:H	18	1.45
(1,64)	1:436:A:VAL:HG12	1:437:A:PHE:H	18	1.45
(1,64)	1:436:A:VAL:HG13	1:437:A:PHE:H	18	1.45
(1,47)	1:439:A:ASP:H	1:439:A:ASP:HB3	8	1.45
(1,47)	1:439:A:ASP:H	1:439:A:ASP:HB3	14	1.45
(1,26)	1:426:A:MET:H	1:426:A:MET:HG2	10	1.45
(1,26)	1:426:A:MET:H	1:426:A:MET:HG3	10	1.45
(1,26)	1:426:A:MET:H	1:426:A:MET:HG2	16	1.45
(1,26)	1:426:A:MET:H	1:426:A:MET:HG3	16	1.45
(1,17)	1:431:A:VAL:HG21	1:432:A:ILE:H	16	1.45
(1,17)	1:431:A:VAL:HG22	1:432:A:ILE:H	16	1.45
(1,17)	1:431:A:VAL:HG23	1:432:A:ILE:H	16	1.45
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG2	11	1.44
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG3	11	1.44
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG2	12	1.44
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG3	12	1.44
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG2	14	1.44
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG3	14	1.44
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG2	20	1.44
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG3	20	1.44
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG2	12	1.44
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG3	12	1.44
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG2	14	1.44
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG3	14	1.44
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG2	20	1.44
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG3	20	1.44
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG2	4	1.44
(1,1489)	1:474:A:LYS:HA	1:474:A:LYS:HG3	4	1.44
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG2	11	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG3	11	1.44
(1,1459)	1:414:A:GLN:HA	1:414:A:GLN:HG3	1	1.44
(1,1459)	1:414:A:GLN:HA	1:414:A:GLN:HG3	10	1.44
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	7	1.44
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	7	1.44
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	7	1.44
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	7	1.44
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	7	1.44
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	7	1.44
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	7	1.44
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	7	1.44
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	7	1.44
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB1	16	1.44
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB2	16	1.44
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB3	16	1.44
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	6	1.44
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	6	1.44
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	6	1.44
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	6	1.44
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	6	1.44
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	6	1.44
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	6	1.44
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	6	1.44
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	6	1.44
(1,1358)	1:475:A:ARG:HB2	1:475:A:ARG:HD3	3	1.44
(1,1358)	1:475:A:ARG:HB3	1:475:A:ARG:HD3	3	1.44
(1,1358)	1:475:A:ARG:HB2	1:475:A:ARG:HD3	7	1.44
(1,1358)	1:475:A:ARG:HB3	1:475:A:ARG:HD3	7	1.44
(1,1358)	1:475:A:ARG:HB2	1:475:A:ARG:HD3	11	1.44
(1,1358)	1:475:A:ARG:HB3	1:475:A:ARG:HD3	11	1.44
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	6	1.44
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	6	1.44
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	6	1.44
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	6	1.44
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	6	1.44
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	6	1.44
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	6	1.44
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	6	1.44
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	6	1.44
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	16	1.44
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	16	1.44
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	16	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD11	2	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD12	2	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD13	2	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD21	2	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD22	2	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD23	2	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD11	15	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD12	15	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD13	15	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD21	15	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD22	15	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD23	15	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD11	17	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD12	17	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD13	17	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD21	17	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD22	17	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD23	17	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD11	18	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD12	18	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD13	18	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD21	18	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD22	18	1.44
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD23	18	1.44
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG2	20	1.44
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG3	20	1.44
(1,1239)	1:432:A:ILE:HG12	1:433:A:SER:H	5	1.44
(1,1239)	1:432:A:ILE:HG13	1:433:A:SER:H	5	1.44
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD2	19	1.44
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD3	19	1.44
(1,1108)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	10	1.44
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	7	1.44
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	7	1.44
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	7	1.44
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	7	1.44
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	7	1.44
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	7	1.44
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	7	1.44
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	7	1.44
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	7	1.44
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD11	8	1.44
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD12	8	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD13	8	1.44
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD11	19	1.44
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD12	19	1.44
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD13	19	1.44
(1,1019)	1:432:A:ILE:H	1:432:A:ILE:HB	6	1.44
(1,1017)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	4	1.44
(1,1017)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	13	1.44
(1,1017)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	15	1.44
(1,998)	1:485:A:ASN:HB3	1:486:A:ASP:H	1	1.44
(1,941)	1:409:A:ILE:HB	1:410:A:TYR:H	11	1.44
(1,941)	1:409:A:ILE:HB	1:410:A:TYR:H	20	1.44
(1,921)	1:455:A:ASN:HB3	1:455:A:ASN:HD22	2	1.44
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	15	1.44
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	15	1.44
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	17	1.44
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	17	1.44
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	6	1.44
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	6	1.44
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	6	1.44
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	6	1.44
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	6	1.44
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	6	1.44
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	18	1.44
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	18	1.44
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	18	1.44
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	18	1.44
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	18	1.44
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	18	1.44
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	4	1.44
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	4	1.44
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	4	1.44
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	4	1.44
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	4	1.44
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	4	1.44
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	4	1.44
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	4	1.44
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	4	1.44
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	4	1.44
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	4	1.44
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	4	1.44
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	4	1.44
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	4	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	4	1.44
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	4	1.44
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	4	1.44
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	4	1.44
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG11	7	1.44
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG12	7	1.44
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG13	7	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD11	2	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD12	2	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD13	2	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD21	2	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD22	2	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD23	2	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD11	15	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD12	15	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD13	15	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD21	15	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD22	15	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD23	15	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD11	17	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD12	17	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD13	17	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD21	17	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD22	17	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD23	17	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD11	18	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD12	18	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD13	18	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD21	18	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD22	18	1.44
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD23	18	1.44
(1,688)	1:480:A:LEU:HD11	1:481:A:LYS:H	4	1.44
(1,688)	1:480:A:LEU:HD12	1:481:A:LYS:H	4	1.44
(1,688)	1:480:A:LEU:HD13	1:481:A:LYS:H	4	1.44
(1,688)	1:480:A:LEU:HD21	1:481:A:LYS:H	4	1.44
(1,688)	1:480:A:LEU:HD22	1:481:A:LYS:H	4	1.44
(1,688)	1:480:A:LEU:HD23	1:481:A:LYS:H	4	1.44
(1,688)	1:480:A:LEU:HD11	1:481:A:LYS:H	11	1.44
(1,688)	1:480:A:LEU:HD12	1:481:A:LYS:H	11	1.44
(1,688)	1:480:A:LEU:HD13	1:481:A:LYS:H	11	1.44
(1,688)	1:480:A:LEU:HD21	1:481:A:LYS:H	11	1.44
(1,688)	1:480:A:LEU:HD22	1:481:A:LYS:H	11	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,688)	1:480:A:LEU:HD23	1:481:A:LYS:H	11	1.44
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	10	1.44
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	10	1.44
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	10	1.44
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	10	1.44
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	10	1.44
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	10	1.44
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	10	1.44
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	10	1.44
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	10	1.44
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	10	1.44
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	10	1.44
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	10	1.44
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	14	1.44
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	14	1.44
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	14	1.44
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	14	1.44
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	14	1.44
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	14	1.44
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	14	1.44
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	14	1.44
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	14	1.44
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	14	1.44
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	14	1.44
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	14	1.44
(1,641)	1:466:A:MET:HB2	1:476:A:LEU:HG	2	1.44
(1,641)	1:466:A:MET:HB3	1:476:A:LEU:HG	2	1.44
(1,620)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	9	1.44
(1,620)	1:411:A:HIS:HB2	1:474:A:LYS:HB3	9	1.44
(1,586)	1:427:A:PRO:HG2	1:428:A:PHE:H	15	1.44
(1,583)	1:426:A:MET:HA	1:428:A:PHE:H	5	1.44
(1,545)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	3	1.44
(1,545)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	7	1.44
(1,515)	1:455:A:ASN:HB3	1:455:A:ASN:HD21	1	1.44
(1,515)	1:455:A:ASN:HB3	1:455:A:ASN:HD21	9	1.44
(1,515)	1:455:A:ASN:HB3	1:455:A:ASN:HD21	11	1.44
(1,429)	1:463:A:ILE:H	1:464:A:GLN:H	11	1.44
(1,429)	1:463:A:ILE:H	1:464:A:GLN:H	16	1.44
(1,429)	1:463:A:ILE:H	1:464:A:GLN:H	19	1.44
(1,416)	1:440:A:LYS:HB2	1:441:A:GLN:H	10	1.44
(1,416)	1:440:A:LYS:HB3	1:441:A:GLN:H	10	1.44
(1,321)	1:433:A:SER:H	1:452:A:SER:H	19	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,294)	1:409:A:ILE:HD11	1:450:A:PHE:H	8	1.44
(1,294)	1:409:A:ILE:HD12	1:450:A:PHE:H	8	1.44
(1,294)	1:409:A:ILE:HD13	1:450:A:PHE:H	8	1.44
(1,286)	1:435:A:LYS:H	1:450:A:PHE:H	18	1.44
(1,264)	1:409:A:ILE:H	1:450:A:PHE:HA	13	1.44
(1,241)	1:399:A:LYS:HB2	1:400:A:GLU:H	4	1.44
(1,241)	1:399:A:LYS:HB3	1:400:A:GLU:H	4	1.44
(1,171)	1:483:A:SER:H	1:484:A:LYS:H	8	1.44
(1,166)	1:463:A:ILE:HG21	1:480:A:LEU:H	15	1.44
(1,166)	1:463:A:ILE:HG22	1:480:A:LEU:H	15	1.44
(1,166)	1:463:A:ILE:HG23	1:480:A:LEU:H	15	1.44
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG11	3	1.44
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG12	3	1.44
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG13	3	1.44
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG11	6	1.44
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG12	6	1.44
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG13	6	1.44
(1,91)	1:480:A:LEU:HD11	1:481:A:LYS:H	4	1.44
(1,91)	1:480:A:LEU:HD12	1:481:A:LYS:H	4	1.44
(1,91)	1:480:A:LEU:HD13	1:481:A:LYS:H	4	1.44
(1,91)	1:480:A:LEU:HD21	1:481:A:LYS:H	4	1.44
(1,91)	1:480:A:LEU:HD22	1:481:A:LYS:H	4	1.44
(1,91)	1:480:A:LEU:HD23	1:481:A:LYS:H	4	1.44
(1,91)	1:480:A:LEU:HD11	1:481:A:LYS:H	11	1.44
(1,91)	1:480:A:LEU:HD12	1:481:A:LYS:H	11	1.44
(1,91)	1:480:A:LEU:HD13	1:481:A:LYS:H	11	1.44
(1,91)	1:480:A:LEU:HD21	1:481:A:LYS:H	11	1.44
(1,91)	1:480:A:LEU:HD22	1:481:A:LYS:H	11	1.44
(1,91)	1:480:A:LEU:HD23	1:481:A:LYS:H	11	1.44
(1,67)	1:436:A:VAL:HB	1:437:A:PHE:H	19	1.44
(1,17)	1:431:A:VAL:HG21	1:432:A:ILE:H	15	1.44
(1,17)	1:431:A:VAL:HG22	1:432:A:ILE:H	15	1.44
(1,17)	1:431:A:VAL:HG23	1:432:A:ILE:H	15	1.44
(1,15)	1:432:A:ILE:H	1:432:A:ILE:HB	6	1.44
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	13	1.43
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	13	1.43
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	13	1.43
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	13	1.43
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	13	1.43
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	13	1.43
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	8	1.43
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	8	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	8	1.43
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	8	1.43
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	8	1.43
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	8	1.43
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD2	14	1.43
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD3	14	1.43
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD1	16	1.43
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD2	16	1.43
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD1	17	1.43
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD2	17	1.43
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	16	1.43
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	16	1.43
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	16	1.43
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	16	1.43
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	16	1.43
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	16	1.43
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	16	1.43
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	16	1.43
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	16	1.43
(1,1394)	1:463:A:ILE:HG21	1:464:A:GLN:HA	4	1.43
(1,1394)	1:463:A:ILE:HG22	1:464:A:GLN:HA	4	1.43
(1,1394)	1:463:A:ILE:HG23	1:464:A:GLN:HA	4	1.43
(1,1358)	1:475:A:ARG:HB2	1:475:A:ARG:HD3	18	1.43
(1,1358)	1:475:A:ARG:HB3	1:475:A:ARG:HD3	18	1.43
(1,1342)	1:405:A:ALA:HB1	1:453:A:TYR:HB3	17	1.43
(1,1342)	1:405:A:ALA:HB2	1:453:A:TYR:HB3	17	1.43
(1,1342)	1:405:A:ALA:HB3	1:453:A:TYR:HB3	17	1.43
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD11	16	1.43
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD12	16	1.43
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD13	16	1.43
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD21	16	1.43
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD22	16	1.43
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD23	16	1.43
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD2	1	1.43
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD3	1	1.43
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD2	13	1.43
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD3	13	1.43
(1,1195)	1:403:A:GLU:H	1:403:A:GLU:HB3	15	1.43
(1,1125)	1:436:A:VAL:H	1:436:A:VAL:HB	20	1.43
(1,1121)	1:410:A:TYR:HA	1:449:A:GLY:H	16	1.43
(1,1057)	1:451:A:VAL:H	1:451:A:VAL:HB	14	1.43
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	16	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	16	1.43
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	16	1.43
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	16	1.43
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	16	1.43
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	16	1.43
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	16	1.43
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	16	1.43
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	16	1.43
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD11	3	1.43
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD12	3	1.43
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD13	3	1.43
(1,1019)	1:432:A:ILE:H	1:432:A:ILE:HB	10	1.43
(1,1019)	1:432:A:ILE:H	1:432:A:ILE:HB	16	1.43
(1,1017)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	7	1.43
(1,1017)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	18	1.43
(1,964)	1:420:A:ASP:H	1:420:A:ASP:HB2	15	1.43
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG21	11	1.43
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG22	11	1.43
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG23	11	1.43
(1,815)	1:434:A:ALA:HB1	1:435:A:LYS:HA	15	1.43
(1,815)	1:434:A:ALA:HB2	1:435:A:LYS:HA	15	1.43
(1,815)	1:434:A:ALA:HB3	1:435:A:LYS:HA	15	1.43
(1,800)	1:465:A:ALA:HB1	1:466:A:MET:H	13	1.43
(1,800)	1:465:A:ALA:HB2	1:466:A:MET:H	13	1.43
(1,800)	1:465:A:ALA:HB3	1:466:A:MET:H	13	1.43
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB1	6	1.43
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB2	6	1.43
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB3	6	1.43
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB1	6	1.43
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB2	6	1.43
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB3	6	1.43
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB1	6	1.43
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB2	6	1.43
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB3	6	1.43
(1,770)	1:457:A:VAL:HG11	1:458:A:SER:HB3	18	1.43
(1,770)	1:457:A:VAL:HG12	1:458:A:SER:HB3	18	1.43
(1,770)	1:457:A:VAL:HG13	1:458:A:SER:HB3	18	1.43
(1,770)	1:457:A:VAL:HG21	1:458:A:SER:HB3	18	1.43
(1,770)	1:457:A:VAL:HG22	1:458:A:SER:HB3	18	1.43
(1,770)	1:457:A:VAL:HG23	1:458:A:SER:HB3	18	1.43
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG21	7	1.43
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG22	7	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG23	7	1.43
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD11	16	1.43
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD12	16	1.43
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD13	16	1.43
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD21	16	1.43
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD22	16	1.43
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD23	16	1.43
(1,688)	1:480:A:LEU:HD11	1:481:A:LYS:H	1	1.43
(1,688)	1:480:A:LEU:HD12	1:481:A:LYS:H	1	1.43
(1,688)	1:480:A:LEU:HD13	1:481:A:LYS:H	1	1.43
(1,688)	1:480:A:LEU:HD21	1:481:A:LYS:H	1	1.43
(1,688)	1:480:A:LEU:HD22	1:481:A:LYS:H	1	1.43
(1,688)	1:480:A:LEU:HD23	1:481:A:LYS:H	1	1.43
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	2	1.43
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	2	1.43
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	2	1.43
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	2	1.43
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	2	1.43
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	2	1.43
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	2	1.43
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	2	1.43
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	2	1.43
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	2	1.43
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	2	1.43
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	2	1.43
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	5	1.43
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	5	1.43
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	5	1.43
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	5	1.43
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	5	1.43
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	5	1.43
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	5	1.43
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	5	1.43
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	5	1.43
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	5	1.43
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	5	1.43
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	5	1.43
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	20	1.43
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	20	1.43
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	20	1.43
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	20	1.43
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	20	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	20	1.43
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	20	1.43
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	20	1.43
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	20	1.43
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	20	1.43
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	20	1.43
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	20	1.43
(1,614)	1:407:A:LEU:H	1:407:A:LEU:HG	12	1.43
(1,591)	1:448:A:PHE:HB2	1:449:A:GLY:H	18	1.43
(1,591)	1:448:A:PHE:HB3	1:449:A:GLY:H	18	1.43
(1,590)	1:410:A:TYR:HA	1:449:A:GLY:H	16	1.43
(1,576)	1:398:A:GLN:HG2	1:398:A:GLN:HE22	11	1.43
(1,576)	1:398:A:GLN:HG2	1:398:A:GLN:HE22	19	1.43
(1,545)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	4	1.43
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG21	11	1.43
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG22	11	1.43
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG23	11	1.43
(1,499)	1:467:A:ASN:HB2	1:467:A:ASN:HD22	12	1.43
(1,445)	1:418:A:ASP:HB2	1:419:A:GLN:H	3	1.43
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG21	11	1.43
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG22	11	1.43
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG23	11	1.43
(1,429)	1:463:A:ILE:H	1:464:A:GLN:H	20	1.43
(1,392)	1:430:A:ASN:H	1:454:A:ASP:H	12	1.43
(1,388)	1:420:A:ASP:H	1:420:A:ASP:HB2	15	1.43
(1,341)	1:466:A:MET:HB2	1:467:A:ASN:H	16	1.43
(1,341)	1:466:A:MET:HB3	1:467:A:ASN:H	16	1.43
(1,328)	1:403:A:GLU:H	1:403:A:GLU:HB3	15	1.43
(1,314)	1:474:A:LYS:HD2	1:475:A:ARG:H	17	1.43
(1,314)	1:474:A:LYS:HD3	1:475:A:ARG:H	17	1.43
(1,314)	1:474:A:LYS:HD2	1:475:A:ARG:H	20	1.43
(1,314)	1:474:A:LYS:HD3	1:475:A:ARG:H	20	1.43
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD1	8	1.43
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD2	8	1.43
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD1	17	1.43
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD2	17	1.43
(1,193)	1:436:A:VAL:H	1:436:A:VAL:HB	20	1.43
(1,181)	1:418:A:ASP:HB2	1:422:A:LEU:H	17	1.43
(1,171)	1:483:A:SER:H	1:484:A:LYS:H	15	1.43
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD11	4	1.43
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD12	4	1.43
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD13	4	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD21	4	1.43
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD22	4	1.43
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD23	4	1.43
(1,96)	1:451:A:VAL:H	1:451:A:VAL:HB	14	1.43
(1,91)	1:480:A:LEU:HD11	1:481:A:LYS:H	1	1.43
(1,91)	1:480:A:LEU:HD12	1:481:A:LYS:H	1	1.43
(1,91)	1:480:A:LEU:HD13	1:481:A:LYS:H	1	1.43
(1,91)	1:480:A:LEU:HD21	1:481:A:LYS:H	1	1.43
(1,91)	1:480:A:LEU:HD22	1:481:A:LYS:H	1	1.43
(1,91)	1:480:A:LEU:HD23	1:481:A:LYS:H	1	1.43
(1,84)	1:406:A:ASN:H	1:481:A:LYS:H	6	1.43
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG21	7	1.43
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG22	7	1.43
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG23	7	1.43
(1,15)	1:432:A:ILE:H	1:432:A:ILE:HB	10	1.43
(1,15)	1:432:A:ILE:H	1:432:A:ILE:HB	16	1.43
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	1	1.42
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	1	1.42
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	1	1.42
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	1	1.42
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	1	1.42
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	1	1.42
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	17	1.42
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	17	1.42
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	17	1.42
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	17	1.42
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG2	4	1.42
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG3	4	1.42
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG2	9	1.42
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG3	9	1.42
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG2	9	1.42
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG3	9	1.42
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG2	4	1.42
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG3	4	1.42
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG2	8	1.42
(1,1448)	1:419:A:GLN:HA	1:419:A:GLN:HG3	8	1.42
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE1	15	1.42
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE2	15	1.42
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE3	15	1.42
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	6	1.42
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	6	1.42
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	6	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	6	1.42
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	12	1.42
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	12	1.42
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	12	1.42
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	12	1.42
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	12	1.42
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	12	1.42
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	12	1.42
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	12	1.42
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	12	1.42
(1,1319)	1:434:A:ALA:HB1	1:451:A:VAL:HA	13	1.42
(1,1319)	1:434:A:ALA:HB2	1:451:A:VAL:HA	13	1.42
(1,1319)	1:434:A:ALA:HB3	1:451:A:VAL:HA	13	1.42
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD11	1	1.42
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD12	1	1.42
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD13	1	1.42
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD21	1	1.42
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD22	1	1.42
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD23	1	1.42
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD11	4	1.42
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD12	4	1.42
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD13	4	1.42
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD21	4	1.42
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD22	4	1.42
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD23	4	1.42
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD11	10	1.42
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD12	10	1.42
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD13	10	1.42
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD21	10	1.42
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD22	10	1.42
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD23	10	1.42
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG2	7	1.42
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG3	7	1.42
(1,1200)	1:398:A:GLN:HB2	1:399:A:LYS:H	16	1.42
(1,1200)	1:398:A:GLN:HB3	1:399:A:LYS:H	16	1.42
(1,1195)	1:403:A:GLU:H	1:403:A:GLU:HB3	1	1.42
(1,1192)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	17	1.42
(1,1188)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	17	1.42
(1,1166)	1:400:A:GLU:HB2	1:401:A:GLY:H	19	1.42
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB2	1	1.42
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB3	1	1.42
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB2	1	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB3	1	1.42
(1,1108)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	1	1.42
(1,1108)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	7	1.42
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	12	1.42
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	12	1.42
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	12	1.42
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	12	1.42
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	12	1.42
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	12	1.42
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	12	1.42
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	12	1.42
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	12	1.42
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD11	18	1.42
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD12	18	1.42
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD13	18	1.42
(1,1018)	1:443:A:ASN:HB3	1:443:A:ASN:HD22	5	1.42
(1,1018)	1:443:A:ASN:HB3	1:443:A:ASN:HD22	17	1.42
(1,1017)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	3	1.42
(1,1017)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	6	1.42
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB1	13	1.42
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB2	13	1.42
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB3	13	1.42
(1,963)	1:420:A:ASP:H	1:420:A:ASP:HB3	20	1.42
(1,948)	1:461:A:ALA:HB1	1:462:A:ALA:H	20	1.42
(1,948)	1:461:A:ALA:HB2	1:462:A:ALA:H	20	1.42
(1,948)	1:461:A:ALA:HB3	1:462:A:ALA:H	20	1.42
(1,944)	1:409:A:ILE:H	1:409:A:ILE:HB	5	1.42
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	8	1.42
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	8	1.42
(1,887)	1:433:A:SER:HB3	1:434:A:ALA:H	4	1.42
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD2	14	1.42
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD3	14	1.42
(1,838)	1:451:A:VAL:HG11	1:452:A:SER:H	19	1.42
(1,838)	1:451:A:VAL:HG12	1:452:A:SER:H	19	1.42
(1,838)	1:451:A:VAL:HG13	1:452:A:SER:H	19	1.42
(1,800)	1:465:A:ALA:HB1	1:466:A:MET:H	3	1.42
(1,800)	1:465:A:ALA:HB2	1:466:A:MET:H	3	1.42
(1,800)	1:465:A:ALA:HB3	1:466:A:MET:H	3	1.42
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG11	20	1.42
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG12	20	1.42
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG13	20	1.42
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD11	1	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD12	1	1.42
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD13	1	1.42
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD21	1	1.42
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD22	1	1.42
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD23	1	1.42
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD11	4	1.42
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD12	4	1.42
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD13	4	1.42
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD21	4	1.42
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD22	4	1.42
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD23	4	1.42
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD11	10	1.42
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD12	10	1.42
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD13	10	1.42
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD21	10	1.42
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD22	10	1.42
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD23	10	1.42
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD11	7	1.42
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD12	7	1.42
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD13	7	1.42
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD21	7	1.42
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD22	7	1.42
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD23	7	1.42
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG2	15	1.42
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG3	15	1.42
(1,676)	1:481:A:LYS:HG2	1:482:A:ARG:H	3	1.42
(1,676)	1:481:A:LYS:HG3	1:482:A:ARG:H	3	1.42
(1,676)	1:481:A:LYS:HG2	1:482:A:ARG:H	17	1.42
(1,676)	1:481:A:LYS:HG3	1:482:A:ARG:H	17	1.42
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	10	1.42
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	10	1.42
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	10	1.42
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	10	1.42
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	10	1.42
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	10	1.42
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	10	1.42
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	10	1.42
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	10	1.42
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	10	1.42
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	10	1.42
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	10	1.42
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	10	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	10	1.42
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	10	1.42
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	10	1.42
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	10	1.42
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	10	1.42
(1,582)	1:400:A:GLU:HB2	1:401:A:GLY:H	19	1.42
(1,576)	1:398:A:GLN:HG2	1:398:A:GLN:HE22	7	1.42
(1,576)	1:398:A:GLN:HG2	1:398:A:GLN:HE22	12	1.42
(1,545)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	12	1.42
(1,515)	1:455:A:ASN:HB3	1:455:A:ASN:HD21	10	1.42
(1,503)	1:410:A:TYR:HA	1:412:A:LEU:H	17	1.42
(1,445)	1:418:A:ASP:HB2	1:419:A:GLN:H	9	1.42
(1,416)	1:440:A:LYS:HB2	1:441:A:GLN:H	13	1.42
(1,416)	1:440:A:LYS:HB3	1:441:A:GLN:H	13	1.42
(1,412)	1:441:A:GLN:H	1:443:A:ASN:H	3	1.42
(1,386)	1:420:A:ASP:H	1:420:A:ASP:HB3	20	1.42
(1,382)	1:444:A:LEU:H	1:444:A:LEU:HB3	3	1.42
(1,379)	1:442:A:THR:HB	1:444:A:LEU:H	1	1.42
(1,328)	1:403:A:GLU:H	1:403:A:GLU:HB3	1	1.42
(1,324)	1:451:A:VAL:HG11	1:452:A:SER:H	19	1.42
(1,324)	1:451:A:VAL:HG12	1:452:A:SER:H	19	1.42
(1,324)	1:451:A:VAL:HG13	1:452:A:SER:H	19	1.42
(1,264)	1:409:A:ILE:H	1:450:A:PHE:HA	8	1.42
(1,218)	1:461:A:ALA:HB1	1:462:A:ALA:H	20	1.42
(1,218)	1:461:A:ALA:HB2	1:462:A:ALA:H	20	1.42
(1,218)	1:461:A:ALA:HB3	1:462:A:ALA:H	20	1.42
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD1	6	1.42
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD2	6	1.42
(1,116)	1:490:A:TYR:H	1:490:A:TYR:HB2	2	1.42
(1,52)	1:471:A:ILE:H	1:474:A:LYS:H	2	1.42
(1,47)	1:439:A:ASP:H	1:439:A:ASP:HB3	18	1.42
(1,26)	1:426:A:MET:H	1:426:A:MET:HG2	4	1.42
(1,26)	1:426:A:MET:H	1:426:A:MET:HG3	4	1.42
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD1	8	1.41
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD2	8	1.41
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD1	19	1.41
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD2	19	1.41
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD1	2	1.41
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD2	2	1.41
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD1	2	1.41
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD2	2	1.41
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD1	2	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD2	2	1.41
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	11	1.41
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	11	1.41
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	11	1.41
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	11	1.41
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	11	1.41
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	11	1.41
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG2	7	1.41
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG3	7	1.41
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG2	18	1.41
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG3	18	1.41
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG2	7	1.41
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG3	7	1.41
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG2	18	1.41
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG3	18	1.41
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG21	1	1.41
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG22	1	1.41
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG23	1	1.41
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG21	1	1.41
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG22	1	1.41
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG23	1	1.41
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	10	1.41
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	10	1.41
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	10	1.41
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	10	1.41
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE2	20	1.41
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE3	20	1.41
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE2	20	1.41
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE3	20	1.41
(1,1319)	1:434:A:ALA:HB1	1:451:A:VAL:HA	12	1.41
(1,1319)	1:434:A:ALA:HB2	1:451:A:VAL:HA	12	1.41
(1,1319)	1:434:A:ALA:HB3	1:451:A:VAL:HA	12	1.41
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD11	6	1.41
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD12	6	1.41
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD13	6	1.41
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD21	6	1.41
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD22	6	1.41
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD23	6	1.41
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG2	16	1.41
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG3	16	1.41
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	3	1.41
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	3	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	3	1.41
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	3	1.41
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	3	1.41
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	3	1.41
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	3	1.41
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	3	1.41
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	3	1.41
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	3	1.41
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	3	1.41
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	3	1.41
(1,1200)	1:398:A:GLN:HB2	1:399:A:LYS:H	6	1.41
(1,1200)	1:398:A:GLN:HB3	1:399:A:LYS:H	6	1.41
(1,1195)	1:403:A:GLU:H	1:403:A:GLU:HB3	7	1.41
(1,1195)	1:403:A:GLU:H	1:403:A:GLU:HB3	20	1.41
(1,1136)	1:456:A:PRO:HB2	1:457:A:VAL:H	16	1.41
(1,1136)	1:456:A:PRO:HB2	1:457:A:VAL:H	18	1.41
(1,1057)	1:451:A:VAL:H	1:451:A:VAL:HB	15	1.41
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD11	17	1.41
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD12	17	1.41
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD13	17	1.41
(1,1019)	1:432:A:ILE:H	1:432:A:ILE:HB	12	1.41
(1,1017)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	9	1.41
(1,1017)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	10	1.41
(1,964)	1:420:A:ASP:H	1:420:A:ASP:HB2	18	1.41
(1,891)	1:439:A:ASP:HB3	1:444:A:LEU:H	3	1.41
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD2	20	1.41
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD3	20	1.41
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	2	1.41
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	2	1.41
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	2	1.41
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	2	1.41
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	2	1.41
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	2	1.41
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	2	1.41
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	2	1.41
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	2	1.41
(1,838)	1:451:A:VAL:HG11	1:452:A:SER:H	3	1.41
(1,838)	1:451:A:VAL:HG12	1:452:A:SER:H	3	1.41
(1,838)	1:451:A:VAL:HG13	1:452:A:SER:H	3	1.41
(1,824)	1:436:A:VAL:HG11	1:437:A:PHE:H	7	1.41
(1,824)	1:436:A:VAL:HG12	1:437:A:PHE:H	7	1.41
(1,824)	1:436:A:VAL:HG13	1:437:A:PHE:H	7	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	2	1.41
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	2	1.41
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	2	1.41
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	2	1.41
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	2	1.41
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	2	1.41
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	2	1.41
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	2	1.41
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	2	1.41
(1,815)	1:434:A:ALA:HB1	1:435:A:LYS:HA	1	1.41
(1,815)	1:434:A:ALA:HB2	1:435:A:LYS:HA	1	1.41
(1,815)	1:434:A:ALA:HB3	1:435:A:LYS:HA	1	1.41
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG11	10	1.41
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG12	10	1.41
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG13	10	1.41
(1,770)	1:457:A:VAL:HG11	1:458:A:SER:HB3	10	1.41
(1,770)	1:457:A:VAL:HG12	1:458:A:SER:HB3	10	1.41
(1,770)	1:457:A:VAL:HG13	1:458:A:SER:HB3	10	1.41
(1,770)	1:457:A:VAL:HG21	1:458:A:SER:HB3	10	1.41
(1,770)	1:457:A:VAL:HG22	1:458:A:SER:HB3	10	1.41
(1,770)	1:457:A:VAL:HG23	1:458:A:SER:HB3	10	1.41
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG21	12	1.41
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG22	12	1.41
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG23	12	1.41
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG21	12	1.41
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG22	12	1.41
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG23	12	1.41
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG21	12	1.41
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG22	12	1.41
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG23	12	1.41
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG21	13	1.41
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG22	13	1.41
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG23	13	1.41
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD11	6	1.41
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD12	6	1.41
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD13	6	1.41
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD21	6	1.41
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD22	6	1.41
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD23	6	1.41
(1,688)	1:480:A:LEU:HD11	1:481:A:LYS:H	14	1.41
(1,688)	1:480:A:LEU:HD12	1:481:A:LYS:H	14	1.41
(1,688)	1:480:A:LEU:HD13	1:481:A:LYS:H	14	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,688)	1:480:A:LEU:HD21	1:481:A:LYS:H	14	1.41
(1,688)	1:480:A:LEU:HD22	1:481:A:LYS:H	14	1.41
(1,688)	1:480:A:LEU:HD23	1:481:A:LYS:H	14	1.41
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG2	10	1.41
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG3	10	1.41
(1,654)	1:474:A:LYS:H	1:474:A:LYS:HG2	17	1.41
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	1	1.41
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	1	1.41
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	1	1.41
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	1	1.41
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	1	1.41
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	1	1.41
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	1	1.41
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	1	1.41
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	1	1.41
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	1	1.41
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	1	1.41
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	1	1.41
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	1	1.41
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	1	1.41
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	1	1.41
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	1	1.41
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	1	1.41
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	1	1.41
(1,591)	1:448:A:PHE:HB2	1:449:A:GLY:H	19	1.41
(1,591)	1:448:A:PHE:HB3	1:449:A:GLY:H	19	1.41
(1,576)	1:398:A:GLN:HG2	1:398:A:GLN:HE22	3	1.41
(1,515)	1:455:A:ASN:HB3	1:455:A:ASN:HD21	6	1.41
(1,511)	1:455:A:ASN:H	1:458:A:SER:HB3	8	1.41
(1,463)	1:420:A:ASP:HA	1:423:A:GLN:H	13	1.41
(1,439)	1:421:A:ILE:H	1:421:A:ILE:HG13	11	1.41
(1,416)	1:440:A:LYS:HB2	1:441:A:GLN:H	12	1.41
(1,416)	1:440:A:LYS:HB3	1:441:A:GLN:H	12	1.41
(1,388)	1:420:A:ASP:H	1:420:A:ASP:HB2	18	1.41
(1,383)	1:444:A:LEU:H	1:444:A:LEU:HB2	11	1.41
(1,382)	1:444:A:LEU:H	1:444:A:LEU:HB3	10	1.41
(1,358)	1:460:A:GLN:HA	1:463:A:ILE:H	3	1.41
(1,341)	1:466:A:MET:HB2	1:467:A:ASN:H	3	1.41
(1,341)	1:466:A:MET:HB3	1:467:A:ASN:H	3	1.41
(1,328)	1:403:A:GLU:H	1:403:A:GLU:HB3	7	1.41
(1,328)	1:403:A:GLU:H	1:403:A:GLU:HB3	20	1.41
(1,324)	1:451:A:VAL:HG11	1:452:A:SER:H	3	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,324)	1:451:A:VAL:HG12	1:452:A:SER:H	3	1.41
(1,324)	1:451:A:VAL:HG13	1:452:A:SER:H	3	1.41
(1,283)	1:407:A:LEU:HG	1:459:A:ALA:H	5	1.41
(1,274)	1:456:A:PRO:HB2	1:457:A:VAL:H	16	1.41
(1,274)	1:456:A:PRO:HB2	1:457:A:VAL:H	18	1.41
(1,267)	1:409:A:ILE:H	1:409:A:ILE:HG12	17	1.41
(1,264)	1:409:A:ILE:H	1:450:A:PHE:HA	7	1.41
(1,241)	1:399:A:LYS:HB2	1:400:A:GLU:H	3	1.41
(1,241)	1:399:A:LYS:HB3	1:400:A:GLU:H	3	1.41
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD11	4	1.41
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD12	4	1.41
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD13	4	1.41
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD21	4	1.41
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD22	4	1.41
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD23	4	1.41
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD11	17	1.41
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD12	17	1.41
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD13	17	1.41
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD21	17	1.41
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD22	17	1.41
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD23	17	1.41
(1,96)	1:451:A:VAL:H	1:451:A:VAL:HB	15	1.41
(1,91)	1:480:A:LEU:HD11	1:481:A:LYS:H	14	1.41
(1,91)	1:480:A:LEU:HD12	1:481:A:LYS:H	14	1.41
(1,91)	1:480:A:LEU:HD13	1:481:A:LYS:H	14	1.41
(1,91)	1:480:A:LEU:HD21	1:481:A:LYS:H	14	1.41
(1,91)	1:480:A:LEU:HD22	1:481:A:LYS:H	14	1.41
(1,91)	1:480:A:LEU:HD23	1:481:A:LYS:H	14	1.41
(1,64)	1:436:A:VAL:HG11	1:437:A:PHE:H	7	1.41
(1,64)	1:436:A:VAL:HG12	1:437:A:PHE:H	7	1.41
(1,64)	1:436:A:VAL:HG13	1:437:A:PHE:H	7	1.41
(1,52)	1:471:A:ILE:H	1:474:A:LYS:H	10	1.41
(1,52)	1:471:A:ILE:H	1:474:A:LYS:H	17	1.41
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG21	13	1.41
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG22	13	1.41
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG23	13	1.41
(1,15)	1:432:A:ILE:H	1:432:A:ILE:HB	12	1.41
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG2	14	1.4
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG3	14	1.4
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG2	1	1.4
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG3	1	1.4
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG2	2	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG3	2	1.4
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG2	1	1.4
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG3	1	1.4
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG2	2	1.4
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG3	2	1.4
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG2	14	1.4
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG3	14	1.4
(1,1459)	1:414:A:GLN:HA	1:414:A:GLN:HG3	11	1.4
(1,1322)	1:436:A:VAL:HG11	1:448:A:PHE:HA	19	1.4
(1,1322)	1:436:A:VAL:HG12	1:448:A:PHE:HA	19	1.4
(1,1322)	1:436:A:VAL:HG13	1:448:A:PHE:HA	19	1.4
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD11	17	1.4
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD12	17	1.4
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD13	17	1.4
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD21	17	1.4
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD22	17	1.4
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD23	17	1.4
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD11	17	1.4
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD12	17	1.4
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD13	17	1.4
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD21	17	1.4
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD22	17	1.4
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD23	17	1.4
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD11	17	1.4
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD12	17	1.4
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD13	17	1.4
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD21	17	1.4
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD22	17	1.4
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD23	17	1.4
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD11	20	1.4
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD12	20	1.4
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD13	20	1.4
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD21	20	1.4
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD22	20	1.4
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD23	20	1.4
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG2	11	1.4
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG3	11	1.4
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG2	12	1.4
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG3	12	1.4
(1,1195)	1:403:A:GLU:H	1:403:A:GLU:HB3	8	1.4
(1,1192)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	13	1.4
(1,1188)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	13	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:462:A:ALA:HA	1:465:A:ALA:H	10	1.4
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG2	19	1.4
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG3	19	1.4
(1,1125)	1:436:A:VAL:H	1:436:A:VAL:HB	7	1.4
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	18	1.4
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	18	1.4
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	18	1.4
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD11	9	1.4
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD12	9	1.4
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD13	9	1.4
(1,1019)	1:432:A:ILE:H	1:432:A:ILE:HB	18	1.4
(1,1018)	1:443:A:ASN:HB3	1:443:A:ASN:HD22	19	1.4
(1,1017)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	14	1.4
(1,1017)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	16	1.4
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	9	1.4
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	9	1.4
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	9	1.4
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	9	1.4
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	9	1.4
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	9	1.4
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	9	1.4
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	9	1.4
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	9	1.4
(1,964)	1:420:A:ASP:H	1:420:A:ASP:HB2	9	1.4
(1,944)	1:409:A:ILE:H	1:409:A:ILE:HB	18	1.4
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG21	1	1.4
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG22	1	1.4
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG23	1	1.4
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	5	1.4
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	5	1.4
(1,891)	1:439:A:ASP:HB3	1:444:A:LEU:H	13	1.4
(1,887)	1:433:A:SER:HB3	1:434:A:ALA:H	1	1.4
(1,800)	1:465:A:ALA:HB1	1:466:A:MET:H	19	1.4
(1,800)	1:465:A:ALA:HB2	1:466:A:MET:H	19	1.4
(1,800)	1:465:A:ALA:HB3	1:466:A:MET:H	19	1.4
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG21	2	1.4
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG22	2	1.4
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG23	2	1.4
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG21	2	1.4
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG22	2	1.4
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG23	2	1.4
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG21	2	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG22	2	1.4
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG23	2	1.4
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG11	13	1.4
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG12	13	1.4
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG13	13	1.4
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD11	17	1.4
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD12	17	1.4
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD13	17	1.4
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD21	17	1.4
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD22	17	1.4
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD23	17	1.4
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD11	20	1.4
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD12	20	1.4
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD13	20	1.4
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD21	20	1.4
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD22	20	1.4
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD23	20	1.4
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD11	8	1.4
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD12	8	1.4
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD13	8	1.4
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD21	8	1.4
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD22	8	1.4
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD23	8	1.4
(1,676)	1:481:A:LYS:HG2	1:482:A:ARG:H	5	1.4
(1,676)	1:481:A:LYS:HG3	1:482:A:ARG:H	5	1.4
(1,561)	1:410:A:TYR:HD1	1:411:A:HIS:H	14	1.4
(1,561)	1:410:A:TYR:HD2	1:411:A:HIS:H	14	1.4
(1,496)	1:455:A:ASN:HA	1:455:A:ASN:HD22	17	1.4
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG21	1	1.4
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG22	1	1.4
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG23	1	1.4
(1,439)	1:421:A:ILE:H	1:421:A:ILE:HG13	10	1.4
(1,428)	1:442:A:THR:HA	1:443:A:ASN:H	1	1.4
(1,421)	1:462:A:ALA:HA	1:465:A:ALA:H	10	1.4
(1,414)	1:441:A:GLN:H	1:441:A:GLN:HG3	4	1.4
(1,414)	1:441:A:GLN:H	1:441:A:GLN:HG3	8	1.4
(1,388)	1:420:A:ASP:H	1:420:A:ASP:HB2	9	1.4
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD11	17	1.4
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD12	17	1.4
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD13	17	1.4
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD21	17	1.4
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD22	17	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD23	17	1.4
(1,348)	1:408:A:PHE:H	1:408:A:PHE:HB3	9	1.4
(1,328)	1:403:A:GLU:H	1:403:A:GLU:HB3	8	1.4
(1,283)	1:407:A:LEU:HG	1:459:A:ALA:H	3	1.4
(1,267)	1:409:A:ILE:H	1:409:A:ILE:HG12	3	1.4
(1,264)	1:409:A:ILE:H	1:450:A:PHE:HA	17	1.4
(1,248)	1:405:A:ALA:HB1	1:453:A:TYR:H	15	1.4
(1,248)	1:405:A:ALA:HB2	1:453:A:TYR:H	15	1.4
(1,248)	1:405:A:ALA:HB3	1:453:A:TYR:H	15	1.4
(1,241)	1:399:A:LYS:HB2	1:400:A:GLU:H	16	1.4
(1,241)	1:399:A:LYS:HB3	1:400:A:GLU:H	16	1.4
(1,232)	1:438:A:ILE:H	1:438:A:ILE:HB	16	1.4
(1,193)	1:436:A:VAL:H	1:436:A:VAL:HB	7	1.4
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG11	14	1.4
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG12	14	1.4
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG13	14	1.4
(1,135)	1:422:A:LEU:H	1:422:A:LEU:HB3	1	1.4
(1,116)	1:490:A:TYR:H	1:490:A:TYR:HB2	8	1.4
(1,52)	1:471:A:ILE:H	1:474:A:LYS:H	9	1.4
(1,41)	1:467:A:ASN:HA	1:478:A:VAL:H	1	1.4
(1,15)	1:432:A:ILE:H	1:432:A:ILE:HB	18	1.4
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	11	1.39
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	11	1.39
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	11	1.39
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	11	1.39
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	11	1.39
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	11	1.39
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB1	12	1.39
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB2	12	1.39
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB3	12	1.39
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB1	12	1.39
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB2	12	1.39
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB3	12	1.39
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG2	1	1.39
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG3	1	1.39
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG2	18	1.39
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG3	18	1.39
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG2	1	1.39
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG3	1	1.39
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG2	18	1.39
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG3	18	1.39
(1,1458)	1:414:A:GLN:HA	1:414:A:GLN:HG2	18	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	9	1.39
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	9	1.39
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	9	1.39
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	9	1.39
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	9	1.39
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	9	1.39
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	9	1.39
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	9	1.39
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	9	1.39
(1,1394)	1:463:A:ILE:HG21	1:464:A:GLN:HA	14	1.39
(1,1394)	1:463:A:ILE:HG22	1:464:A:GLN:HA	14	1.39
(1,1394)	1:463:A:ILE:HG23	1:464:A:GLN:HA	14	1.39
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD11	7	1.39
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD12	7	1.39
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD13	7	1.39
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD21	7	1.39
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD22	7	1.39
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD23	7	1.39
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD11	13	1.39
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD12	13	1.39
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD13	13	1.39
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD21	13	1.39
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD22	13	1.39
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD23	13	1.39
(1,1247)	1:412:A:LEU:HG	1:421:A:ILE:HG13	3	1.39
(1,1239)	1:432:A:ILE:HG12	1:433:A:SER:H	4	1.39
(1,1239)	1:432:A:ILE:HG13	1:433:A:SER:H	4	1.39
(1,1239)	1:432:A:ILE:HG12	1:433:A:SER:H	13	1.39
(1,1239)	1:432:A:ILE:HG13	1:433:A:SER:H	13	1.39
(1,1195)	1:403:A:GLU:H	1:403:A:GLU:HB3	6	1.39
(1,1195)	1:403:A:GLU:H	1:403:A:GLU:HB3	19	1.39
(1,1192)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	8	1.39
(1,1188)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	8	1.39
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD11	7	1.39
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD12	7	1.39
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD13	7	1.39
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD21	7	1.39
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD22	7	1.39
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD23	7	1.39
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG2	18	1.39
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG3	18	1.39
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	16	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	16	1.39
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	16	1.39
(1,1061)	1:409:A:ILE:HA	1:409:A:ILE:HG12	10	1.39
(1,1061)	1:409:A:ILE:HA	1:409:A:ILE:HG12	15	1.39
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG21	15	1.39
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG22	15	1.39
(1,1050)	1:421:A:ILE:HD11	1:436:A:VAL:HG23	15	1.39
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG21	15	1.39
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG22	15	1.39
(1,1050)	1:421:A:ILE:HD12	1:436:A:VAL:HG23	15	1.39
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG21	15	1.39
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG22	15	1.39
(1,1050)	1:421:A:ILE:HD13	1:436:A:VAL:HG23	15	1.39
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	9	1.39
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	9	1.39
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	9	1.39
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	9	1.39
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	9	1.39
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	9	1.39
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	9	1.39
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	9	1.39
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	9	1.39
(1,1018)	1:443:A:ASN:HB3	1:443:A:ASN:HD22	1	1.39
(1,998)	1:485:A:ASN:HB3	1:486:A:ASP:H	7	1.39
(1,984)	1:416:A:PHE:HB2	1:417:A:GLY:H	4	1.39
(1,941)	1:409:A:ILE:HB	1:410:A:TYR:H	17	1.39
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG21	10	1.39
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG22	10	1.39
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG23	10	1.39
(1,922)	1:455:A:ASN:HB3	1:458:A:SER:H	11	1.39
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	1	1.39
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	1	1.39
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	2	1.39
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	2	1.39
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	10	1.39
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	10	1.39
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	16	1.39
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	16	1.39
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	10	1.39
(1,909)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	10	1.39
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	2	1.39
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	2	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,824)	1:436:A:VAL:HG11	1:437:A:PHE:H	6	1.39
(1,824)	1:436:A:VAL:HG12	1:437:A:PHE:H	6	1.39
(1,824)	1:436:A:VAL:HG13	1:437:A:PHE:H	6	1.39
(1,824)	1:436:A:VAL:HG11	1:437:A:PHE:H	10	1.39
(1,824)	1:436:A:VAL:HG12	1:437:A:PHE:H	10	1.39
(1,824)	1:436:A:VAL:HG13	1:437:A:PHE:H	10	1.39
(1,815)	1:434:A:ALA:HB1	1:435:A:LYS:HA	16	1.39
(1,815)	1:434:A:ALA:HB2	1:435:A:LYS:HA	16	1.39
(1,815)	1:434:A:ALA:HB3	1:435:A:LYS:HA	16	1.39
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD11	13	1.39
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD12	13	1.39
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD13	13	1.39
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD21	13	1.39
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD22	13	1.39
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD23	13	1.39
(1,688)	1:480:A:LEU:HD11	1:481:A:LYS:H	15	1.39
(1,688)	1:480:A:LEU:HD12	1:481:A:LYS:H	15	1.39
(1,688)	1:480:A:LEU:HD13	1:481:A:LYS:H	15	1.39
(1,688)	1:480:A:LEU:HD21	1:481:A:LYS:H	15	1.39
(1,688)	1:480:A:LEU:HD22	1:481:A:LYS:H	15	1.39
(1,688)	1:480:A:LEU:HD23	1:481:A:LYS:H	15	1.39
(1,672)	1:444:A:LEU:H	1:444:A:LEU:HG	10	1.39
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE2	10	1.39
(1,666)	1:474:A:LYS:HG2	1:474:A:LYS:HE3	10	1.39
(1,645)	1:407:A:LEU:HD11	1:451:A:VAL:H	12	1.39
(1,645)	1:407:A:LEU:HD12	1:451:A:VAL:H	12	1.39
(1,645)	1:407:A:LEU:HD13	1:451:A:VAL:H	12	1.39
(1,645)	1:407:A:LEU:HD21	1:451:A:VAL:H	12	1.39
(1,645)	1:407:A:LEU:HD22	1:451:A:VAL:H	12	1.39
(1,645)	1:407:A:LEU:HD23	1:451:A:VAL:H	12	1.39
(1,620)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	8	1.39
(1,620)	1:411:A:HIS:HB2	1:474:A:LYS:HB3	8	1.39
(1,591)	1:448:A:PHE:HB2	1:449:A:GLY:H	3	1.39
(1,591)	1:448:A:PHE:HB3	1:449:A:GLY:H	3	1.39
(1,577)	1:401:A:GLY:H	1:452:A:SER:HB2	16	1.39
(1,518)	1:430:A:ASN:HA	1:430:A:ASN:HD22	4	1.39
(1,478)	1:444:A:LEU:HB2	1:445:A:SER:H	17	1.39
(1,478)	1:444:A:LEU:HB2	1:445:A:SER:H	19	1.39
(1,476)	1:445:A:SER:H	1:445:A:SER:HB2	10	1.39
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG21	10	1.39
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG22	10	1.39
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG23	10	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:421:A:ILE:H	1:421:A:ILE:HG13	6	1.39
(1,429)	1:463:A:ILE:H	1:464:A:GLN:H	4	1.39
(1,429)	1:463:A:ILE:H	1:464:A:GLN:H	17	1.39
(1,384)	1:444:A:LEU:H	1:444:A:LEU:HG	10	1.39
(1,358)	1:460:A:GLN:HA	1:463:A:ILE:H	9	1.39
(1,328)	1:403:A:GLU:H	1:403:A:GLU:HB3	6	1.39
(1,328)	1:403:A:GLU:H	1:403:A:GLU:HB3	19	1.39
(1,237)	1:400:A:GLU:H	1:400:A:GLU:HG3	19	1.39
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG21	1	1.39
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG22	1	1.39
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG23	1	1.39
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG21	14	1.39
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG22	14	1.39
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG23	14	1.39
(1,91)	1:480:A:LEU:HD11	1:481:A:LYS:H	15	1.39
(1,91)	1:480:A:LEU:HD12	1:481:A:LYS:H	15	1.39
(1,91)	1:480:A:LEU:HD13	1:481:A:LYS:H	15	1.39
(1,91)	1:480:A:LEU:HD21	1:481:A:LYS:H	15	1.39
(1,91)	1:480:A:LEU:HD22	1:481:A:LYS:H	15	1.39
(1,91)	1:480:A:LEU:HD23	1:481:A:LYS:H	15	1.39
(1,64)	1:436:A:VAL:HG11	1:437:A:PHE:H	6	1.39
(1,64)	1:436:A:VAL:HG12	1:437:A:PHE:H	6	1.39
(1,64)	1:436:A:VAL:HG13	1:437:A:PHE:H	6	1.39
(1,64)	1:436:A:VAL:HG11	1:437:A:PHE:H	10	1.39
(1,64)	1:436:A:VAL:HG12	1:437:A:PHE:H	10	1.39
(1,64)	1:436:A:VAL:HG13	1:437:A:PHE:H	10	1.39
(1,47)	1:439:A:ASP:H	1:439:A:ASP:HB3	12	1.39
(1,47)	1:439:A:ASP:H	1:439:A:ASP:HB3	16	1.39
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD1	20	1.38
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD2	20	1.38
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG2	10	1.38
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG3	10	1.38
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG2	20	1.38
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG3	20	1.38
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG2	11	1.38
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG3	11	1.38
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	5	1.38
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	5	1.38
(1,1506)	1:426:A:MET:HE1	1:430:A:ASN:HA	4	1.38
(1,1506)	1:426:A:MET:HE2	1:430:A:ASN:HA	4	1.38
(1,1506)	1:426:A:MET:HE3	1:430:A:ASN:HA	4	1.38
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG2	11	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG3	11	1.38
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG2	10	1.38
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG3	10	1.38
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG2	20	1.38
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG3	20	1.38
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	17	1.38
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	17	1.38
(1,1459)	1:414:A:GLN:HA	1:414:A:GLN:HG3	2	1.38
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE1	8	1.38
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE2	8	1.38
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE3	8	1.38
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB1	20	1.38
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB2	20	1.38
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB3	20	1.38
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	20	1.38
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	20	1.38
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	20	1.38
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	20	1.38
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	20	1.38
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	20	1.38
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	20	1.38
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	20	1.38
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	20	1.38
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	20	1.38
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	20	1.38
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	20	1.38
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	20	1.38
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	20	1.38
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	20	1.38
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	20	1.38
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	20	1.38
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	20	1.38
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD11	3	1.38
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD12	3	1.38
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD13	3	1.38
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD21	3	1.38
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD22	3	1.38
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD23	3	1.38
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD11	14	1.38
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD12	14	1.38
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD13	14	1.38
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD21	14	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD22	14	1.38
(1,1265)	1:412:A:LEU:HA	1:412:A:LEU:HD23	14	1.38
(1,1195)	1:403:A:GLU:H	1:403:A:GLU:HB3	3	1.38
(1,1195)	1:403:A:GLU:H	1:403:A:GLU:HB3	12	1.38
(1,1192)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	5	1.38
(1,1188)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	5	1.38
(1,1169)	1:462:A:ALA:HA	1:465:A:ALA:H	20	1.38
(1,1167)	1:400:A:GLU:H	1:400:A:GLU:HB2	19	1.38
(1,1166)	1:400:A:GLU:HB2	1:401:A:GLY:H	20	1.38
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG2	16	1.38
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG3	16	1.38
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD11	1	1.38
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD12	1	1.38
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD13	1	1.38
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD11	1	1.38
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD12	1	1.38
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD13	1	1.38
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD11	1	1.38
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD12	1	1.38
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD13	1	1.38
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD11	1	1.38
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD12	1	1.38
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD13	1	1.38
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD11	1	1.38
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD12	1	1.38
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD13	1	1.38
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD11	1	1.38
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD12	1	1.38
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD13	1	1.38
(1,1018)	1:443:A:ASN:HB3	1:443:A:ASN:HD22	12	1.38
(1,998)	1:485:A:ASN:HB3	1:486:A:ASP:H	4	1.38
(1,973)	1:471:A:ILE:HG21	1:472:A:GLY:H	1	1.38
(1,973)	1:471:A:ILE:HG22	1:472:A:GLY:H	1	1.38
(1,973)	1:471:A:ILE:HG23	1:472:A:GLY:H	1	1.38
(1,940)	1:486:A:ASP:H	1:486:A:ASP:HB2	6	1.38
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG21	18	1.38
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG22	18	1.38
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG23	18	1.38
(1,923)	1:455:A:ASN:HB3	1:457:A:VAL:H	3	1.38
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	6	1.38
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	6	1.38
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE2	20	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,915)	1:435:A:LYS:HG2	1:435:A:LYS:HE3	20	1.38
(1,887)	1:433:A:SER:HB3	1:434:A:ALA:H	13	1.38
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG11	2	1.38
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG12	2	1.38
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG13	2	1.38
(1,824)	1:436:A:VAL:HG11	1:437:A:PHE:H	5	1.38
(1,824)	1:436:A:VAL:HG12	1:437:A:PHE:H	5	1.38
(1,824)	1:436:A:VAL:HG13	1:437:A:PHE:H	5	1.38
(1,815)	1:434:A:ALA:HB1	1:435:A:LYS:HA	14	1.38
(1,815)	1:434:A:ALA:HB2	1:435:A:LYS:HA	14	1.38
(1,815)	1:434:A:ALA:HB3	1:435:A:LYS:HA	14	1.38
(1,815)	1:434:A:ALA:HB1	1:435:A:LYS:HA	18	1.38
(1,815)	1:434:A:ALA:HB2	1:435:A:LYS:HA	18	1.38
(1,815)	1:434:A:ALA:HB3	1:435:A:LYS:HA	18	1.38
(1,800)	1:465:A:ALA:HB1	1:466:A:MET:H	5	1.38
(1,800)	1:465:A:ALA:HB2	1:466:A:MET:H	5	1.38
(1,800)	1:465:A:ALA:HB3	1:466:A:MET:H	5	1.38
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB1	16	1.38
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB2	16	1.38
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB3	16	1.38
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB1	16	1.38
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB2	16	1.38
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB3	16	1.38
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB1	16	1.38
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB2	16	1.38
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB3	16	1.38
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG11	4	1.38
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG12	4	1.38
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG13	4	1.38
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG21	16	1.38
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG22	16	1.38
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG23	16	1.38
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD11	3	1.38
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD12	3	1.38
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD13	3	1.38
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD21	3	1.38
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD22	3	1.38
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD23	3	1.38
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD11	14	1.38
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD12	14	1.38
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD13	14	1.38
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD21	14	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD22	14	1.38
(1,702)	1:412:A:LEU:HA	1:412:A:LEU:HD23	14	1.38
(1,597)	1:441:A:GLN:HB3	1:442:A:THR:H	8	1.38
(1,591)	1:448:A:PHE:HB2	1:449:A:GLY:H	5	1.38
(1,591)	1:448:A:PHE:HB3	1:449:A:GLY:H	5	1.38
(1,582)	1:400:A:GLU:HB2	1:401:A:GLY:H	20	1.38
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG21	4	1.38
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG22	4	1.38
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG23	4	1.38
(1,496)	1:455:A:ASN:HA	1:455:A:ASN:HD22	1	1.38
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB1	1	1.38
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB2	1	1.38
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB3	1	1.38
(1,476)	1:445:A:SER:H	1:445:A:SER:HB2	6	1.38
(1,463)	1:420:A:ASP:HA	1:423:A:GLN:H	16	1.38
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG21	18	1.38
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG22	18	1.38
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG23	18	1.38
(1,421)	1:462:A:ALA:HA	1:465:A:ALA:H	20	1.38
(1,414)	1:441:A:GLN:H	1:441:A:GLN:HG3	1	1.38
(1,407)	1:417:A:GLY:H	1:420:A:ASP:H	12	1.38
(1,406)	1:471:A:ILE:HG21	1:472:A:GLY:H	1	1.38
(1,406)	1:471:A:ILE:HG22	1:472:A:GLY:H	1	1.38
(1,406)	1:471:A:ILE:HG23	1:472:A:GLY:H	1	1.38
(1,341)	1:466:A:MET:HB2	1:467:A:ASN:H	7	1.38
(1,341)	1:466:A:MET:HB3	1:467:A:ASN:H	7	1.38
(1,328)	1:403:A:GLU:H	1:403:A:GLU:HB3	3	1.38
(1,328)	1:403:A:GLU:H	1:403:A:GLU:HB3	12	1.38
(1,267)	1:409:A:ILE:H	1:409:A:ILE:HG12	4	1.38
(1,262)	1:486:A:ASP:H	1:486:A:ASP:HB2	6	1.38
(1,248)	1:405:A:ALA:HB1	1:453:A:TYR:H	14	1.38
(1,248)	1:405:A:ALA:HB2	1:453:A:TYR:H	14	1.38
(1,248)	1:405:A:ALA:HB3	1:453:A:TYR:H	14	1.38
(1,240)	1:400:A:GLU:H	1:400:A:GLU:HB2	19	1.38
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG11	2	1.38
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG12	2	1.38
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG13	2	1.38
(1,171)	1:483:A:SER:H	1:484:A:LYS:H	17	1.38
(1,114)	1:489:A:PRO:HA	1:490:A:TYR:H	11	1.38
(1,110)	1:476:A:LEU:HB2	1:477:A:LYS:H	4	1.38
(1,110)	1:476:A:LEU:HB3	1:477:A:LYS:H	4	1.38
(1,64)	1:436:A:VAL:HG11	1:437:A:PHE:H	5	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,64)	1:436:A:VAL:HG12	1:437:A:PHE:H	5	1.38
(1,64)	1:436:A:VAL:HG13	1:437:A:PHE:H	5	1.38
(1,55)	1:471:A:ILE:H	1:475:A:ARG:HA	19	1.38
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG21	16	1.38
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG22	16	1.38
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG23	16	1.38
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	12	1.37
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	12	1.37
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	12	1.37
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	12	1.37
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	12	1.37
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	12	1.37
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	12	1.37
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	12	1.37
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	12	1.37
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	12	1.37
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	12	1.37
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	12	1.37
(1,1591)	1:411:A:HIS:HB3	1:411:A:HIS:HD2	1	1.37
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	15	1.37
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	15	1.37
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	15	1.37
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	15	1.37
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	15	1.37
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	15	1.37
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	19	1.37
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	19	1.37
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	19	1.37
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	19	1.37
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	19	1.37
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	19	1.37
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD1	16	1.37
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD2	16	1.37
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	5	1.37
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	5	1.37
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	5	1.37
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	5	1.37
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	5	1.37
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	5	1.37
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD1	13	1.37
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD2	13	1.37
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD1	10	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD2	10	1.37
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD1	10	1.37
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD2	10	1.37
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD1	10	1.37
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD2	10	1.37
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD1	14	1.37
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD2	14	1.37
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD1	14	1.37
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD2	14	1.37
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG2	7	1.37
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG3	7	1.37
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG2	12	1.37
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG3	12	1.37
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD2	3	1.37
(1,1518)	1:474:A:LYS:HB2	1:474:A:LYS:HD3	3	1.37
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG2	7	1.37
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG3	7	1.37
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG2	12	1.37
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG3	12	1.37
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	8	1.37
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	8	1.37
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	8	1.37
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	8	1.37
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	8	1.37
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	8	1.37
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	8	1.37
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	8	1.37
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	8	1.37
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG21	19	1.37
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG22	19	1.37
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG23	19	1.37
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG21	19	1.37
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG22	19	1.37
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG23	19	1.37
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	7	1.37
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	7	1.37
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	7	1.37
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	7	1.37
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	7	1.37
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	7	1.37
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	8	1.37
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	8	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	8	1.37
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	12	1.37
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	12	1.37
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	12	1.37
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	12	1.37
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	12	1.37
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	12	1.37
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	12	1.37
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	12	1.37
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	12	1.37
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	12	1.37
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	12	1.37
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	12	1.37
(1,1145)	1:474:A:LYS:HA	1:475:A:ARG:HG2	17	1.37
(1,1145)	1:474:A:LYS:HA	1:475:A:ARG:HG3	17	1.37
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	2	1.37
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	2	1.37
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	2	1.37
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	8	1.37
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	8	1.37
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	8	1.37
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	8	1.37
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	8	1.37
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	8	1.37
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	8	1.37
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	8	1.37
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	8	1.37
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG21	2	1.37
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG22	2	1.37
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG23	2	1.37
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG21	2	1.37
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG22	2	1.37
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG23	2	1.37
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG21	2	1.37
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG22	2	1.37
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG23	2	1.37
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG21	18	1.37
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG22	18	1.37
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG23	18	1.37
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG21	18	1.37
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG22	18	1.37
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG23	18	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG21	18	1.37
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG22	18	1.37
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG23	18	1.37
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD11	11	1.37
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD12	11	1.37
(1,1034)	1:463:A:ILE:H	1:463:A:ILE:HD13	11	1.37
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	5	1.37
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	5	1.37
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	5	1.37
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	5	1.37
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	5	1.37
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	5	1.37
(1,984)	1:416:A:PHE:HB2	1:417:A:GLY:H	3	1.37
(1,940)	1:486:A:ASP:H	1:486:A:ASP:HB2	19	1.37
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD2	17	1.37
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD3	17	1.37
(1,838)	1:451:A:VAL:HG11	1:452:A:SER:H	14	1.37
(1,838)	1:451:A:VAL:HG12	1:452:A:SER:H	14	1.37
(1,838)	1:451:A:VAL:HG13	1:452:A:SER:H	14	1.37
(1,770)	1:457:A:VAL:HG11	1:458:A:SER:HB3	14	1.37
(1,770)	1:457:A:VAL:HG12	1:458:A:SER:HB3	14	1.37
(1,770)	1:457:A:VAL:HG13	1:458:A:SER:HB3	14	1.37
(1,770)	1:457:A:VAL:HG21	1:458:A:SER:HB3	14	1.37
(1,770)	1:457:A:VAL:HG22	1:458:A:SER:HB3	14	1.37
(1,770)	1:457:A:VAL:HG23	1:458:A:SER:HB3	14	1.37
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG21	2	1.37
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG22	2	1.37
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG23	2	1.37
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG21	6	1.37
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG22	6	1.37
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG23	6	1.37
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG21	7	1.37
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG22	7	1.37
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG23	7	1.37
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG21	7	1.37
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG22	7	1.37
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG23	7	1.37
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG21	7	1.37
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG22	7	1.37
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG23	7	1.37
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	12	1.37
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	12	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	12	1.37
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	12	1.37
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	12	1.37
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	12	1.37
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	12	1.37
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	12	1.37
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	12	1.37
(1,659)	1:480:A:LEU:HG	1:481:A:LYS:H	13	1.37
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	16	1.37
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	16	1.37
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	16	1.37
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	16	1.37
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	16	1.37
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	16	1.37
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	16	1.37
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	16	1.37
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	16	1.37
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	16	1.37
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	16	1.37
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	16	1.37
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	16	1.37
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	16	1.37
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	16	1.37
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	16	1.37
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	16	1.37
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	16	1.37
(1,591)	1:448:A:PHE:HB2	1:449:A:GLY:H	6	1.37
(1,591)	1:448:A:PHE:HB3	1:449:A:GLY:H	6	1.37
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG11	14	1.37
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG12	14	1.37
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG13	14	1.37
(1,555)	1:425:A:PHE:H	1:425:A:PHE:HB3	11	1.37
(1,540)	1:454:A:ASP:H	1:454:A:ASP:HB3	18	1.37
(1,515)	1:455:A:ASN:HB3	1:455:A:ASN:HD21	20	1.37
(1,511)	1:455:A:ASN:H	1:458:A:SER:HB3	11	1.37
(1,495)	1:415:A:GLU:H	1:415:A:GLU:HB3	10	1.37
(1,465)	1:422:A:LEU:HB3	1:423:A:GLN:H	17	1.37
(1,445)	1:418:A:ASP:HB2	1:419:A:GLN:H	1	1.37
(1,445)	1:418:A:ASP:HB2	1:419:A:GLN:H	5	1.37
(1,429)	1:463:A:ILE:H	1:464:A:GLN:H	15	1.37
(1,416)	1:440:A:LYS:HB2	1:441:A:GLN:H	2	1.37
(1,416)	1:440:A:LYS:HB3	1:441:A:GLN:H	2	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:460:A:GLN:HA	1:463:A:ILE:H	18	1.37
(1,324)	1:451:A:VAL:HG11	1:452:A:SER:H	14	1.37
(1,324)	1:451:A:VAL:HG12	1:452:A:SER:H	14	1.37
(1,324)	1:451:A:VAL:HG13	1:452:A:SER:H	14	1.37
(1,288)	1:450:A:PHE:H	1:450:A:PHE:HB3	10	1.37
(1,267)	1:409:A:ILE:H	1:409:A:ILE:HG12	8	1.37
(1,267)	1:409:A:ILE:H	1:409:A:ILE:HG12	10	1.37
(1,262)	1:486:A:ASP:H	1:486:A:ASP:HB2	19	1.37
(1,248)	1:405:A:ALA:HB1	1:453:A:TYR:H	17	1.37
(1,248)	1:405:A:ALA:HB2	1:453:A:TYR:H	17	1.37
(1,248)	1:405:A:ALA:HB3	1:453:A:TYR:H	17	1.37
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG21	7	1.37
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG22	7	1.37
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG23	7	1.37
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD1	13	1.37
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD2	13	1.37
(1,171)	1:483:A:SER:H	1:484:A:LYS:H	3	1.37
(1,114)	1:489:A:PRO:HA	1:490:A:TYR:H	7	1.37
(1,47)	1:439:A:ASP:H	1:439:A:ASP:HB3	1	1.37
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD1	5	1.36
(1,1542)	1:424:A:MET:HB2	1:425:A:PHE:HD2	5	1.36
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD1	5	1.36
(1,1542)	1:424:A:MET:HB3	1:425:A:PHE:HD2	5	1.36
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD1	19	1.36
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD2	19	1.36
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG2	9	1.36
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG3	9	1.36
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG2	5	1.36
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG3	5	1.36
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD1	20	1.36
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD2	20	1.36
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG2	5	1.36
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG3	5	1.36
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG2	9	1.36
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG3	9	1.36
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	19	1.36
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	19	1.36
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	19	1.36
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	19	1.36
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD11	8	1.36
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD12	8	1.36
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD13	8	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD21	8	1.36
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD22	8	1.36
(1,1280)	1:444:A:LEU:HA	1:444:A:LEU:HD23	8	1.36
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD11	8	1.36
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD12	8	1.36
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD13	8	1.36
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD21	8	1.36
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD22	8	1.36
(1,1177)	1:444:A:LEU:HA	1:444:A:LEU:HD23	8	1.36
(1,1110)	1:423:A:GLN:H	1:423:A:GLN:HG3	1	1.36
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD11	9	1.36
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD12	9	1.36
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD13	9	1.36
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD11	5	1.36
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD12	5	1.36
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD13	5	1.36
(1,984)	1:416:A:PHE:HB2	1:417:A:GLY:H	15	1.36
(1,941)	1:409:A:ILE:HB	1:410:A:TYR:H	4	1.36
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG21	2	1.36
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG22	2	1.36
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG23	2	1.36
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	13	1.36
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	13	1.36
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG21	8	1.36
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG22	8	1.36
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG23	8	1.36
(1,838)	1:451:A:VAL:HG11	1:452:A:SER:H	8	1.36
(1,838)	1:451:A:VAL:HG12	1:452:A:SER:H	8	1.36
(1,838)	1:451:A:VAL:HG13	1:452:A:SER:H	8	1.36
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG11	6	1.36
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG12	6	1.36
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG13	6	1.36
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD11	6	1.36
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD12	6	1.36
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD13	6	1.36
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD21	6	1.36
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD22	6	1.36
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD23	6	1.36
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD11	16	1.36
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD12	16	1.36
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD13	16	1.36
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD21	16	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD22	16	1.36
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD23	16	1.36
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG21	14	1.36
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG22	14	1.36
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG23	14	1.36
(1,620)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	7	1.36
(1,620)	1:411:A:HIS:HB2	1:474:A:LYS:HB3	7	1.36
(1,583)	1:426:A:MET:HA	1:428:A:PHE:H	13	1.36
(1,555)	1:425:A:PHE:H	1:425:A:PHE:HB3	15	1.36
(1,476)	1:445:A:SER:H	1:445:A:SER:HB2	9	1.36
(1,476)	1:445:A:SER:H	1:445:A:SER:HB2	11	1.36
(1,467)	1:422:A:LEU:HD11	1:423:A:GLN:H	17	1.36
(1,467)	1:422:A:LEU:HD12	1:423:A:GLN:H	17	1.36
(1,467)	1:422:A:LEU:HD13	1:423:A:GLN:H	17	1.36
(1,467)	1:422:A:LEU:HD21	1:423:A:GLN:H	17	1.36
(1,467)	1:422:A:LEU:HD22	1:423:A:GLN:H	17	1.36
(1,467)	1:422:A:LEU:HD23	1:423:A:GLN:H	17	1.36
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG21	2	1.36
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG22	2	1.36
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG23	2	1.36
(1,416)	1:440:A:LYS:HB2	1:441:A:GLN:H	20	1.36
(1,416)	1:440:A:LYS:HB3	1:441:A:GLN:H	20	1.36
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD11	6	1.36
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD12	6	1.36
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD13	6	1.36
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD21	6	1.36
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD22	6	1.36
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD23	6	1.36
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD11	16	1.36
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD12	16	1.36
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD13	16	1.36
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD21	16	1.36
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD22	16	1.36
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD23	16	1.36
(1,324)	1:451:A:VAL:HG11	1:452:A:SER:H	8	1.36
(1,324)	1:451:A:VAL:HG12	1:452:A:SER:H	8	1.36
(1,324)	1:451:A:VAL:HG13	1:452:A:SER:H	8	1.36
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG21	8	1.36
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG22	8	1.36
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG23	8	1.36
(1,241)	1:399:A:LYS:HB2	1:400:A:GLU:H	5	1.36
(1,241)	1:399:A:LYS:HB3	1:400:A:GLU:H	5	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,189)	1:460:A:GLN:HB2	1:461:A:ALA:H	6	1.36
(1,189)	1:460:A:GLN:HB3	1:461:A:ALA:H	6	1.36
(1,135)	1:422:A:LEU:H	1:422:A:LEU:HB3	10	1.36
(1,114)	1:489:A:PRO:HA	1:490:A:TYR:H	6	1.36
(1,110)	1:476:A:LEU:HB2	1:477:A:LYS:H	11	1.36
(1,110)	1:476:A:LEU:HB3	1:477:A:LYS:H	11	1.36
(1,100)	1:450:A:PHE:HD1	1:451:A:VAL:H	18	1.36
(1,100)	1:450:A:PHE:HD2	1:451:A:VAL:H	18	1.36
(1,84)	1:406:A:ASN:H	1:481:A:LYS:H	3	1.36
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG21	14	1.36
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG22	14	1.36
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG23	14	1.36
(1,1598)	1:453:A:TYR:HE1	1:459:A:ALA:HA	11	1.35
(1,1598)	1:453:A:TYR:HE2	1:459:A:ALA:HA	11	1.35
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG2	2	1.35
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG3	2	1.35
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG2	3	1.35
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG3	3	1.35
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG2	8	1.35
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG3	8	1.35
(1,1506)	1:426:A:MET:HE1	1:430:A:ASN:HA	6	1.35
(1,1506)	1:426:A:MET:HE2	1:430:A:ASN:HA	6	1.35
(1,1506)	1:426:A:MET:HE3	1:430:A:ASN:HA	6	1.35
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG2	3	1.35
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG3	3	1.35
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG2	8	1.35
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG3	8	1.35
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG2	2	1.35
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG3	2	1.35
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD1	3	1.35
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD2	3	1.35
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB1	13	1.35
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB2	13	1.35
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB3	13	1.35
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB1	17	1.35
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB2	17	1.35
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB3	17	1.35
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB1	17	1.35
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB2	17	1.35
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB3	17	1.35
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB1	17	1.35
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB2	17	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB3	17	1.35
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB1	17	1.35
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB2	17	1.35
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB3	17	1.35
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB1	17	1.35
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB2	17	1.35
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB3	17	1.35
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB1	17	1.35
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB2	17	1.35
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB3	17	1.35
(1,1232)	1:419:A:GLN:HB3	1:420:A:ASP:H	5	1.35
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD2	3	1.35
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD3	3	1.35
(1,1169)	1:462:A:ALA:HA	1:465:A:ALA:H	17	1.35
(1,1163)	1:453:A:TYR:HE1	1:459:A:ALA:HA	11	1.35
(1,1163)	1:453:A:TYR:HE2	1:459:A:ALA:HA	11	1.35
(1,1125)	1:436:A:VAL:H	1:436:A:VAL:HB	9	1.35
(1,1057)	1:451:A:VAL:H	1:451:A:VAL:HB	17	1.35
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG21	15	1.35
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG22	15	1.35
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG23	15	1.35
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG21	15	1.35
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG22	15	1.35
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG23	15	1.35
(1,964)	1:420:A:ASP:H	1:420:A:ASP:HB2	6	1.35
(1,964)	1:420:A:ASP:H	1:420:A:ASP:HB2	11	1.35
(1,944)	1:409:A:ILE:H	1:409:A:ILE:HB	7	1.35
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG21	16	1.35
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG22	16	1.35
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG23	16	1.35
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG11	5	1.35
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG12	5	1.35
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG13	5	1.35
(1,815)	1:434:A:ALA:HB1	1:435:A:LYS:HA	6	1.35
(1,815)	1:434:A:ALA:HB2	1:435:A:LYS:HA	6	1.35
(1,815)	1:434:A:ALA:HB3	1:435:A:LYS:HA	6	1.35
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG11	18	1.35
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG12	18	1.35
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG13	18	1.35
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG21	1	1.35
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG22	1	1.35
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG23	1	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	13	1.35
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	13	1.35
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	13	1.35
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	13	1.35
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	13	1.35
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	13	1.35
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	13	1.35
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	13	1.35
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	13	1.35
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	13	1.35
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	13	1.35
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	13	1.35
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	13	1.35
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	13	1.35
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	13	1.35
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	13	1.35
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	13	1.35
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	13	1.35
(1,586)	1:427:A:PRO:HG2	1:428:A:PHE:H	20	1.35
(1,503)	1:410:A:TYR:HA	1:412:A:LEU:H	1	1.35
(1,503)	1:410:A:TYR:HA	1:412:A:LEU:H	10	1.35
(1,475)	1:445:A:SER:H	1:445:A:SER:HB3	5	1.35
(1,466)	1:422:A:LEU:HB2	1:423:A:GLN:H	10	1.35
(1,465)	1:422:A:LEU:HB3	1:423:A:GLN:H	8	1.35
(1,421)	1:462:A:ALA:HA	1:465:A:ALA:H	17	1.35
(1,412)	1:441:A:GLN:H	1:443:A:ASN:H	13	1.35
(1,394)	1:430:A:ASN:H	1:453:A:TYR:HE1	17	1.35
(1,394)	1:430:A:ASN:H	1:453:A:TYR:HE2	17	1.35
(1,388)	1:420:A:ASP:H	1:420:A:ASP:HB2	6	1.35
(1,388)	1:420:A:ASP:H	1:420:A:ASP:HB2	11	1.35
(1,387)	1:419:A:GLN:HB3	1:420:A:ASP:H	5	1.35
(1,372)	1:458:A:SER:H	1:458:A:SER:HB2	2	1.35
(1,372)	1:458:A:SER:H	1:458:A:SER:HB2	16	1.35
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG21	16	1.35
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG22	16	1.35
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG23	16	1.35
(1,248)	1:405:A:ALA:HB1	1:453:A:TYR:H	19	1.35
(1,248)	1:405:A:ALA:HB2	1:453:A:TYR:H	19	1.35
(1,248)	1:405:A:ALA:HB3	1:453:A:TYR:H	19	1.35
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG21	9	1.35
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG22	9	1.35
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG23	9	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG21	10	1.35
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG22	10	1.35
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG23	10	1.35
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG11	5	1.35
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG12	5	1.35
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG13	5	1.35
(1,193)	1:436:A:VAL:H	1:436:A:VAL:HB	9	1.35
(1,171)	1:483:A:SER:H	1:484:A:LYS:H	6	1.35
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD11	2	1.35
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD12	2	1.35
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD13	2	1.35
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD21	2	1.35
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD22	2	1.35
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD23	2	1.35
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD11	8	1.35
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD12	8	1.35
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD13	8	1.35
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD21	8	1.35
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD22	8	1.35
(1,137)	1:422:A:LEU:H	1:422:A:LEU:HD23	8	1.35
(1,114)	1:489:A:PRO:HA	1:490:A:TYR:H	4	1.35
(1,100)	1:450:A:PHE:HD1	1:451:A:VAL:H	2	1.35
(1,100)	1:450:A:PHE:HD2	1:451:A:VAL:H	2	1.35
(1,96)	1:451:A:VAL:H	1:451:A:VAL:HB	17	1.35
(1,67)	1:436:A:VAL:HB	1:437:A:PHE:H	7	1.35
(1,47)	1:439:A:ASP:H	1:439:A:ASP:HB3	7	1.35
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG21	1	1.35
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG22	1	1.35
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG23	1	1.35
(1,17)	1:431:A:VAL:HG21	1:432:A:ILE:H	11	1.35
(1,17)	1:431:A:VAL:HG22	1:432:A:ILE:H	11	1.35
(1,17)	1:431:A:VAL:HG23	1:432:A:ILE:H	11	1.35
(1,1)	1:469:A:PHE:HD1	1:470:A:GLN:H	17	1.35
(1,1)	1:469:A:PHE:HD2	1:470:A:GLN:H	17	1.35
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE1	3	1.34
(1,1593)	1:425:A:PHE:HD1	1:453:A:TYR:HE2	3	1.34
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE1	3	1.34
(1,1593)	1:425:A:PHE:HD2	1:453:A:TYR:HE2	3	1.34
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG2	19	1.34
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG3	19	1.34
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG2	10	1.34
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG3	10	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG2	10	1.34
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG3	10	1.34
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG2	19	1.34
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG3	19	1.34
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE1	4	1.34
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE2	4	1.34
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE3	4	1.34
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD11	1	1.34
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD12	1	1.34
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD13	1	1.34
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD21	1	1.34
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD22	1	1.34
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD23	1	1.34
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD11	1	1.34
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD12	1	1.34
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD13	1	1.34
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD21	1	1.34
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD22	1	1.34
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD23	1	1.34
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD11	1	1.34
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD12	1	1.34
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD13	1	1.34
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD21	1	1.34
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD22	1	1.34
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD23	1	1.34
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG2	19	1.34
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG3	19	1.34
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD2	11	1.34
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD3	11	1.34
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD2	16	1.34
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD3	16	1.34
(1,1159)	1:459:A:ALA:HA	1:461:A:ALA:HA	7	1.34
(1,1136)	1:456:A:PRO:HB2	1:457:A:VAL:H	19	1.34
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG2	14	1.34
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG3	14	1.34
(1,1125)	1:436:A:VAL:H	1:436:A:VAL:HB	15	1.34
(1,1057)	1:451:A:VAL:H	1:451:A:VAL:HB	16	1.34
(1,1031)	1:430:A:ASN:HB2	1:431:A:VAL:H	20	1.34
(1,1031)	1:430:A:ASN:HB3	1:431:A:VAL:H	20	1.34
(1,998)	1:485:A:ASN:HB3	1:486:A:ASP:H	19	1.34
(1,964)	1:420:A:ASP:H	1:420:A:ASP:HB2	2	1.34
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG21	4	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG22	4	1.34
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG23	4	1.34
(1,830)	1:450:A:PHE:HB2	1:451:A:VAL:H	13	1.34
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG11	18	1.34
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG12	18	1.34
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG13	18	1.34
(1,815)	1:434:A:ALA:HB1	1:435:A:LYS:HA	4	1.34
(1,815)	1:434:A:ALA:HB2	1:435:A:LYS:HA	4	1.34
(1,815)	1:434:A:ALA:HB3	1:435:A:LYS:HA	4	1.34
(1,815)	1:434:A:ALA:HB1	1:435:A:LYS:HA	5	1.34
(1,815)	1:434:A:ALA:HB2	1:435:A:LYS:HA	5	1.34
(1,815)	1:434:A:ALA:HB3	1:435:A:LYS:HA	5	1.34
(1,770)	1:457:A:VAL:HG11	1:458:A:SER:HB3	16	1.34
(1,770)	1:457:A:VAL:HG12	1:458:A:SER:HB3	16	1.34
(1,770)	1:457:A:VAL:HG13	1:458:A:SER:HB3	16	1.34
(1,770)	1:457:A:VAL:HG21	1:458:A:SER:HB3	16	1.34
(1,770)	1:457:A:VAL:HG22	1:458:A:SER:HB3	16	1.34
(1,770)	1:457:A:VAL:HG23	1:458:A:SER:HB3	16	1.34
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG21	5	1.34
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG22	5	1.34
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG23	5	1.34
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD11	4	1.34
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD12	4	1.34
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD13	4	1.34
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD21	4	1.34
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD22	4	1.34
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD23	4	1.34
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG21	7	1.34
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG22	7	1.34
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG23	7	1.34
(1,688)	1:480:A:LEU:HD11	1:481:A:LYS:H	3	1.34
(1,688)	1:480:A:LEU:HD12	1:481:A:LYS:H	3	1.34
(1,688)	1:480:A:LEU:HD13	1:481:A:LYS:H	3	1.34
(1,688)	1:480:A:LEU:HD21	1:481:A:LYS:H	3	1.34
(1,688)	1:480:A:LEU:HD22	1:481:A:LYS:H	3	1.34
(1,688)	1:480:A:LEU:HD23	1:481:A:LYS:H	3	1.34
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	7	1.34
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	7	1.34
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	7	1.34
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	7	1.34
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	7	1.34
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	7	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	7	1.34
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	7	1.34
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	7	1.34
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	7	1.34
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	7	1.34
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	7	1.34
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD1	13	1.34
(1,644)	1:407:A:LEU:HD11	1:425:A:PHE:HD2	13	1.34
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD1	13	1.34
(1,644)	1:407:A:LEU:HD12	1:425:A:PHE:HD2	13	1.34
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD1	13	1.34
(1,644)	1:407:A:LEU:HD13	1:425:A:PHE:HD2	13	1.34
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD1	13	1.34
(1,644)	1:407:A:LEU:HD21	1:425:A:PHE:HD2	13	1.34
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD1	13	1.34
(1,644)	1:407:A:LEU:HD22	1:425:A:PHE:HD2	13	1.34
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD1	13	1.34
(1,644)	1:407:A:LEU:HD23	1:425:A:PHE:HD2	13	1.34
(1,591)	1:448:A:PHE:HB2	1:449:A:GLY:H	16	1.34
(1,591)	1:448:A:PHE:HB3	1:449:A:GLY:H	16	1.34
(1,570)	1:419:A:GLN:HE21	1:420:A:ASP:H	12	1.34
(1,555)	1:425:A:PHE:H	1:425:A:PHE:HB3	3	1.34
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG21	3	1.34
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG22	3	1.34
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG23	3	1.34
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG21	5	1.34
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG22	5	1.34
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG23	5	1.34
(1,503)	1:410:A:TYR:HA	1:412:A:LEU:H	19	1.34
(1,496)	1:455:A:ASN:HA	1:455:A:ASN:HD22	10	1.34
(1,495)	1:415:A:GLU:H	1:415:A:GLU:HB3	12	1.34
(1,475)	1:445:A:SER:H	1:445:A:SER:HB3	15	1.34
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG21	4	1.34
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG22	4	1.34
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG23	4	1.34
(1,429)	1:463:A:ILE:H	1:464:A:GLN:H	9	1.34
(1,416)	1:440:A:LYS:HB2	1:441:A:GLN:H	3	1.34
(1,416)	1:440:A:LYS:HB3	1:441:A:GLN:H	3	1.34
(1,416)	1:440:A:LYS:HB2	1:441:A:GLN:H	5	1.34
(1,416)	1:440:A:LYS:HB3	1:441:A:GLN:H	5	1.34
(1,415)	1:441:A:GLN:H	1:441:A:GLN:HB3	12	1.34
(1,412)	1:441:A:GLN:H	1:443:A:ASN:H	10	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:420:A:ASP:H	1:420:A:ASP:HB2	2	1.34
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD11	4	1.34
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD12	4	1.34
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD13	4	1.34
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD21	4	1.34
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD22	4	1.34
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD23	4	1.34
(1,372)	1:458:A:SER:H	1:458:A:SER:HB2	1	1.34
(1,371)	1:458:A:SER:H	1:458:A:SER:HB3	20	1.34
(1,329)	1:402:A:PRO:HG2	1:403:A:GLU:H	16	1.34
(1,301)	1:405:A:ALA:H	1:456:A:PRO:HB3	3	1.34
(1,274)	1:456:A:PRO:HB2	1:457:A:VAL:H	19	1.34
(1,264)	1:409:A:ILE:H	1:450:A:PHE:HA	4	1.34
(1,204)	1:416:A:PHE:H	1:416:A:PHE:HB3	19	1.34
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG11	18	1.34
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG12	18	1.34
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG13	18	1.34
(1,193)	1:436:A:VAL:H	1:436:A:VAL:HB	15	1.34
(1,135)	1:422:A:LEU:H	1:422:A:LEU:HB3	5	1.34
(1,135)	1:422:A:LEU:H	1:422:A:LEU:HB3	16	1.34
(1,116)	1:490:A:TYR:H	1:490:A:TYR:HB2	19	1.34
(1,96)	1:451:A:VAL:H	1:451:A:VAL:HB	16	1.34
(1,91)	1:480:A:LEU:HD11	1:481:A:LYS:H	3	1.34
(1,91)	1:480:A:LEU:HD12	1:481:A:LYS:H	3	1.34
(1,91)	1:480:A:LEU:HD13	1:481:A:LYS:H	3	1.34
(1,91)	1:480:A:LEU:HD21	1:481:A:LYS:H	3	1.34
(1,91)	1:480:A:LEU:HD22	1:481:A:LYS:H	3	1.34
(1,91)	1:480:A:LEU:HD23	1:481:A:LYS:H	3	1.34
(1,17)	1:431:A:VAL:HG21	1:432:A:ILE:H	19	1.34
(1,17)	1:431:A:VAL:HG22	1:432:A:ILE:H	19	1.34
(1,17)	1:431:A:VAL:HG23	1:432:A:ILE:H	19	1.34
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	13	1.33
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	13	1.33
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	13	1.33
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	13	1.33
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	13	1.33
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	13	1.33
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG2	13	1.33
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG3	13	1.33
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG2	4	1.33
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG3	4	1.33
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG2	16	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG3	16	1.33
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD1	13	1.33
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD2	13	1.33
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG2	4	1.33
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG3	4	1.33
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG2	16	1.33
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG3	16	1.33
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG2	13	1.33
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG3	13	1.33
(1,1458)	1:414:A:GLN:HA	1:414:A:GLN:HG2	4	1.33
(1,1230)	1:402:A:PRO:HG2	1:455:A:ASN:HA	11	1.33
(1,1195)	1:403:A:GLU:H	1:403:A:GLU:HB3	4	1.33
(1,1169)	1:462:A:ALA:HA	1:465:A:ALA:H	7	1.33
(1,1057)	1:451:A:VAL:H	1:451:A:VAL:HB	7	1.33
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG21	20	1.33
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG22	20	1.33
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG23	20	1.33
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG21	20	1.33
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG22	20	1.33
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG23	20	1.33
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG21	20	1.33
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG22	20	1.33
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG23	20	1.33
(1,964)	1:420:A:ASP:H	1:420:A:ASP:HB2	14	1.33
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB1	14	1.33
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB2	14	1.33
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB3	14	1.33
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB1	14	1.33
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB2	14	1.33
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB3	14	1.33
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB1	14	1.33
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB2	14	1.33
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB3	14	1.33
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG21	3	1.33
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG22	3	1.33
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG23	3	1.33
(1,824)	1:436:A:VAL:HG11	1:437:A:PHE:H	19	1.33
(1,824)	1:436:A:VAL:HG12	1:437:A:PHE:H	19	1.33
(1,824)	1:436:A:VAL:HG13	1:437:A:PHE:H	19	1.33
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG11	10	1.33
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG12	10	1.33
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG13	10	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG21	5	1.33
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG22	5	1.33
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG23	5	1.33
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG21	15	1.33
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG22	15	1.33
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG23	15	1.33
(1,710)	1:478:A:VAL:HG21	1:479:A:GLN:H	14	1.33
(1,710)	1:478:A:VAL:HG22	1:479:A:GLN:H	14	1.33
(1,710)	1:478:A:VAL:HG23	1:479:A:GLN:H	14	1.33
(1,620)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	17	1.33
(1,620)	1:411:A:HIS:HB2	1:474:A:LYS:HB3	17	1.33
(1,605)	1:426:A:MET:HA	1:429:A:GLY:H	2	1.33
(1,605)	1:426:A:MET:HA	1:429:A:GLY:H	6	1.33
(1,597)	1:441:A:GLN:HB3	1:442:A:THR:H	6	1.33
(1,586)	1:427:A:PRO:HG2	1:428:A:PHE:H	17	1.33
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG21	2	1.33
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG22	2	1.33
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG23	2	1.33
(1,507)	1:454:A:ASP:H	1:455:A:ASN:H	1	1.33
(1,507)	1:454:A:ASP:H	1:455:A:ASN:H	16	1.33
(1,496)	1:455:A:ASN:HA	1:455:A:ASN:HD22	6	1.33
(1,496)	1:455:A:ASN:HA	1:455:A:ASN:HD22	9	1.33
(1,476)	1:445:A:SER:H	1:445:A:SER:HB2	7	1.33
(1,476)	1:445:A:SER:H	1:445:A:SER:HB2	14	1.33
(1,475)	1:445:A:SER:H	1:445:A:SER:HB3	1	1.33
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD1	15	1.33
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD2	15	1.33
(1,429)	1:463:A:ILE:H	1:464:A:GLN:H	6	1.33
(1,429)	1:463:A:ILE:H	1:464:A:GLN:H	7	1.33
(1,428)	1:442:A:THR:HA	1:443:A:ASN:H	17	1.33
(1,421)	1:462:A:ALA:HA	1:465:A:ALA:H	7	1.33
(1,392)	1:430:A:ASN:H	1:454:A:ASP:H	5	1.33
(1,388)	1:420:A:ASP:H	1:420:A:ASP:HB2	14	1.33
(1,372)	1:458:A:SER:H	1:458:A:SER:HB2	13	1.33
(1,371)	1:458:A:SER:H	1:458:A:SER:HB3	4	1.33
(1,370)	1:482:A:ARG:HB2	1:483:A:SER:H	9	1.33
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG21	15	1.33
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG22	15	1.33
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG23	15	1.33
(1,348)	1:408:A:PHE:H	1:408:A:PHE:HB3	17	1.33
(1,328)	1:403:A:GLU:H	1:403:A:GLU:HB3	4	1.33
(1,312)	1:474:A:LYS:HB3	1:475:A:ARG:H	13	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG21	3	1.33
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG22	3	1.33
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG23	3	1.33
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG21	6	1.33
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG22	6	1.33
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG23	6	1.33
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD11	1	1.33
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD12	1	1.33
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD13	1	1.33
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD21	1	1.33
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD22	1	1.33
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD23	1	1.33
(1,118)	1:478:A:VAL:HG21	1:479:A:GLN:H	14	1.33
(1,118)	1:478:A:VAL:HG22	1:479:A:GLN:H	14	1.33
(1,118)	1:478:A:VAL:HG23	1:479:A:GLN:H	14	1.33
(1,96)	1:451:A:VAL:H	1:451:A:VAL:HB	7	1.33
(1,67)	1:436:A:VAL:HB	1:437:A:PHE:H	4	1.33
(1,67)	1:436:A:VAL:HB	1:437:A:PHE:H	8	1.33
(1,64)	1:436:A:VAL:HG11	1:437:A:PHE:H	19	1.33
(1,64)	1:436:A:VAL:HG12	1:437:A:PHE:H	19	1.33
(1,64)	1:436:A:VAL:HG13	1:437:A:PHE:H	19	1.33
(1,52)	1:471:A:ILE:H	1:474:A:LYS:H	8	1.33
(1,52)	1:471:A:ILE:H	1:474:A:LYS:H	11	1.33
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	6	1.32
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	6	1.32
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	6	1.32
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	6	1.32
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	6	1.32
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	6	1.32
(1,1590)	1:411:A:HIS:HB2	1:411:A:HIS:HD2	5	1.32
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB1	11	1.32
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB2	11	1.32
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB3	11	1.32
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB1	11	1.32
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB2	11	1.32
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB3	11	1.32
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG2	6	1.32
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG3	6	1.32
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD2	4	1.32
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD3	4	1.32
(1,1506)	1:426:A:MET:HE1	1:430:A:ASN:HA	7	1.32
(1,1506)	1:426:A:MET:HE2	1:430:A:ASN:HA	7	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:426:A:MET:HE3	1:430:A:ASN:HA	7	1.32
(1,1498)	1:428:A:PHE:HE1	1:465:A:ALA:HA	7	1.32
(1,1498)	1:428:A:PHE:HE2	1:465:A:ALA:HA	7	1.32
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG2	6	1.32
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG3	6	1.32
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE1	14	1.32
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE2	14	1.32
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE3	14	1.32
(1,1394)	1:463:A:ILE:HG21	1:464:A:GLN:HA	16	1.32
(1,1394)	1:463:A:ILE:HG22	1:464:A:GLN:HA	16	1.32
(1,1394)	1:463:A:ILE:HG23	1:464:A:GLN:HA	16	1.32
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB1	15	1.32
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB2	15	1.32
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB3	15	1.32
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB1	15	1.32
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB2	15	1.32
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB3	15	1.32
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB1	15	1.32
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB2	15	1.32
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB3	15	1.32
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD2	9	1.32
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD3	9	1.32
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD2	9	1.32
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD3	9	1.32
(1,1342)	1:405:A:ALA:HB1	1:453:A:TYR:HB3	9	1.32
(1,1342)	1:405:A:ALA:HB2	1:453:A:TYR:HB3	9	1.32
(1,1342)	1:405:A:ALA:HB3	1:453:A:TYR:HB3	9	1.32
(1,1240)	1:432:A:ILE:HG12	1:454:A:ASP:H	3	1.32
(1,1240)	1:432:A:ILE:HG13	1:454:A:ASP:H	3	1.32
(1,1237)	1:422:A:LEU:HG	1:423:A:GLN:H	2	1.32
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD2	2	1.32
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD3	2	1.32
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD2	10	1.32
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD3	10	1.32
(1,1192)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	3	1.32
(1,1188)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	3	1.32
(1,1169)	1:462:A:ALA:HA	1:465:A:ALA:H	18	1.32
(1,1167)	1:400:A:GLU:H	1:400:A:GLU:HB2	20	1.32
(1,1136)	1:456:A:PRO:HB2	1:457:A:VAL:H	20	1.32
(1,1101)	1:477:A:LYS:HB2	1:478:A:VAL:H	4	1.32
(1,1101)	1:477:A:LYS:HB3	1:478:A:VAL:H	4	1.32
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	6	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	6	1.32
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	6	1.32
(1,1061)	1:409:A:ILE:HA	1:409:A:ILE:HG12	6	1.32
(1,1057)	1:451:A:VAL:H	1:451:A:VAL:HB	6	1.32
(1,1057)	1:451:A:VAL:H	1:451:A:VAL:HB	9	1.32
(1,1019)	1:432:A:ILE:H	1:432:A:ILE:HB	7	1.32
(1,1013)	1:463:A:ILE:HB	1:464:A:GLN:H	13	1.32
(1,973)	1:471:A:ILE:HG21	1:472:A:GLY:H	5	1.32
(1,973)	1:471:A:ILE:HG22	1:472:A:GLY:H	5	1.32
(1,973)	1:471:A:ILE:HG23	1:472:A:GLY:H	5	1.32
(1,973)	1:471:A:ILE:HG21	1:472:A:GLY:H	13	1.32
(1,973)	1:471:A:ILE:HG22	1:472:A:GLY:H	13	1.32
(1,973)	1:471:A:ILE:HG23	1:472:A:GLY:H	13	1.32
(1,965)	1:438:A:ILE:HB	1:439:A:ASP:H	3	1.32
(1,964)	1:420:A:ASP:H	1:420:A:ASP:HB2	16	1.32
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG21	5	1.32
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG22	5	1.32
(1,933)	1:421:A:ILE:H	1:421:A:ILE:HG23	5	1.32
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	20	1.32
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	20	1.32
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	20	1.32
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	20	1.32
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	20	1.32
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	20	1.32
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	5	1.32
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	5	1.32
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	5	1.32
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	5	1.32
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	5	1.32
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	5	1.32
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	5	1.32
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	5	1.32
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	5	1.32
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	5	1.32
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	5	1.32
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	5	1.32
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	5	1.32
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	5	1.32
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	5	1.32
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	5	1.32
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	5	1.32
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	5	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:434:A:ALA:HB1	1:435:A:LYS:HA	12	1.32
(1,815)	1:434:A:ALA:HB2	1:435:A:LYS:HA	12	1.32
(1,815)	1:434:A:ALA:HB3	1:435:A:LYS:HA	12	1.32
(1,800)	1:465:A:ALA:HB1	1:466:A:MET:H	7	1.32
(1,800)	1:465:A:ALA:HB2	1:466:A:MET:H	7	1.32
(1,800)	1:465:A:ALA:HB3	1:466:A:MET:H	7	1.32
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG11	1	1.32
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG12	1	1.32
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG13	1	1.32
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG21	15	1.32
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG22	15	1.32
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG23	15	1.32
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG21	15	1.32
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG22	15	1.32
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG23	15	1.32
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG21	15	1.32
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG22	15	1.32
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG23	15	1.32
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD11	1	1.32
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD12	1	1.32
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD13	1	1.32
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD21	1	1.32
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD22	1	1.32
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD23	1	1.32
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD11	13	1.32
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD12	13	1.32
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD13	13	1.32
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD21	13	1.32
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD22	13	1.32
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD23	13	1.32
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	14	1.32
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	14	1.32
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	14	1.32
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	14	1.32
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	14	1.32
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	14	1.32
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	14	1.32
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	14	1.32
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	14	1.32
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	14	1.32
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	14	1.32
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	14	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	14	1.32
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	14	1.32
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	14	1.32
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	14	1.32
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	14	1.32
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	14	1.32
(1,561)	1:410:A:TYR:HD1	1:411:A:HIS:H	2	1.32
(1,561)	1:410:A:TYR:HD2	1:411:A:HIS:H	2	1.32
(1,555)	1:425:A:PHE:H	1:425:A:PHE:HB3	17	1.32
(1,540)	1:454:A:ASP:H	1:454:A:ASP:HB3	19	1.32
(1,496)	1:455:A:ASN:HA	1:455:A:ASN:HD22	12	1.32
(1,478)	1:444:A:LEU:HB2	1:445:A:SER:H	15	1.32
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD11	17	1.32
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD12	17	1.32
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD13	17	1.32
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG21	5	1.32
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG22	5	1.32
(1,440)	1:421:A:ILE:H	1:421:A:ILE:HG23	5	1.32
(1,432)	1:463:A:ILE:HB	1:464:A:GLN:H	13	1.32
(1,428)	1:442:A:THR:HA	1:443:A:ASN:H	14	1.32
(1,428)	1:442:A:THR:HA	1:443:A:ASN:H	19	1.32
(1,421)	1:462:A:ALA:HA	1:465:A:ALA:H	18	1.32
(1,416)	1:440:A:LYS:HB2	1:441:A:GLN:H	15	1.32
(1,416)	1:440:A:LYS:HB3	1:441:A:GLN:H	15	1.32
(1,415)	1:441:A:GLN:H	1:441:A:GLN:HB3	7	1.32
(1,415)	1:441:A:GLN:H	1:441:A:GLN:HB3	16	1.32
(1,406)	1:471:A:ILE:HG21	1:472:A:GLY:H	5	1.32
(1,406)	1:471:A:ILE:HG22	1:472:A:GLY:H	5	1.32
(1,406)	1:471:A:ILE:HG23	1:472:A:GLY:H	5	1.32
(1,406)	1:471:A:ILE:HG21	1:472:A:GLY:H	13	1.32
(1,406)	1:471:A:ILE:HG22	1:472:A:GLY:H	13	1.32
(1,406)	1:471:A:ILE:HG23	1:472:A:GLY:H	13	1.32
(1,392)	1:430:A:ASN:H	1:454:A:ASP:H	14	1.32
(1,388)	1:420:A:ASP:H	1:420:A:ASP:HB2	16	1.32
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD11	1	1.32
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD12	1	1.32
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD13	1	1.32
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD21	1	1.32
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD22	1	1.32
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD23	1	1.32
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD11	13	1.32
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD12	13	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD13	13	1.32
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD21	13	1.32
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD22	13	1.32
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD23	13	1.32
(1,371)	1:458:A:SER:H	1:458:A:SER:HB3	6	1.32
(1,329)	1:402:A:PRO:HG2	1:403:A:GLU:H	10	1.32
(1,279)	1:458:A:SER:HB3	1:459:A:ALA:H	9	1.32
(1,274)	1:456:A:PRO:HB2	1:457:A:VAL:H	20	1.32
(1,248)	1:405:A:ALA:HB1	1:453:A:TYR:H	5	1.32
(1,248)	1:405:A:ALA:HB2	1:453:A:TYR:H	5	1.32
(1,248)	1:405:A:ALA:HB3	1:453:A:TYR:H	5	1.32
(1,240)	1:400:A:GLU:H	1:400:A:GLU:HB2	20	1.32
(1,209)	1:418:A:ASP:H	1:420:A:ASP:HB3	7	1.32
(1,182)	1:422:A:LEU:H	1:422:A:LEU:HB2	3	1.32
(1,114)	1:489:A:PRO:HA	1:490:A:TYR:H	1	1.32
(1,114)	1:489:A:PRO:HA	1:490:A:TYR:H	2	1.32
(1,96)	1:451:A:VAL:H	1:451:A:VAL:HB	6	1.32
(1,96)	1:451:A:VAL:H	1:451:A:VAL:HB	9	1.32
(1,48)	1:438:A:ILE:HB	1:439:A:ASP:H	3	1.32
(1,39)	1:477:A:LYS:HB2	1:478:A:VAL:H	4	1.32
(1,39)	1:477:A:LYS:HB3	1:478:A:VAL:H	4	1.32
(1,26)	1:426:A:MET:H	1:426:A:MET:HG2	1	1.32
(1,26)	1:426:A:MET:H	1:426:A:MET:HG3	1	1.32
(1,15)	1:432:A:ILE:H	1:432:A:ILE:HB	7	1.32
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD1	7	1.31
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD2	7	1.31
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD1	20	1.31
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD2	20	1.31
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD1	20	1.31
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD2	20	1.31
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD1	20	1.31
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD2	20	1.31
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG2	15	1.31
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG3	15	1.31
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG2	15	1.31
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG3	15	1.31
(1,1459)	1:414:A:GLN:HA	1:414:A:GLN:HG3	7	1.31
(1,1458)	1:414:A:GLN:HA	1:414:A:GLN:HG2	3	1.31
(1,1458)	1:414:A:GLN:HA	1:414:A:GLN:HG2	16	1.31
(1,1458)	1:414:A:GLN:HA	1:414:A:GLN:HG2	19	1.31
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD1	8	1.31
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD2	8	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB1	4	1.31
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB2	4	1.31
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB3	4	1.31
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	8	1.31
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	8	1.31
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	8	1.31
(1,1239)	1:432:A:ILE:HG12	1:433:A:SER:H	3	1.31
(1,1239)	1:432:A:ILE:HG13	1:433:A:SER:H	3	1.31
(1,1237)	1:422:A:LEU:HG	1:423:A:GLN:H	3	1.31
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD2	6	1.31
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD3	6	1.31
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD2	17	1.31
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD3	17	1.31
(1,1201)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	13	1.31
(1,1201)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	13	1.31
(1,1136)	1:456:A:PRO:HB2	1:457:A:VAL:H	6	1.31
(1,1125)	1:436:A:VAL:H	1:436:A:VAL:HB	17	1.31
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	4	1.31
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	4	1.31
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	4	1.31
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	7	1.31
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	7	1.31
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	7	1.31
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	7	1.31
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	7	1.31
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	7	1.31
(1,941)	1:409:A:ILE:HB	1:410:A:TYR:H	13	1.31
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE2	19	1.31
(1,910)	1:474:A:LYS:HG3	1:474:A:LYS:HE3	19	1.31
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG21	20	1.31
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG22	20	1.31
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG23	20	1.31
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB1	11	1.31
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB2	11	1.31
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB3	11	1.31
(1,809)	1:434:A:ALA:HB1	1:435:A:LYS:H	19	1.31
(1,809)	1:434:A:ALA:HB2	1:435:A:LYS:H	19	1.31
(1,809)	1:434:A:ALA:HB3	1:435:A:LYS:H	19	1.31
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB2	4	1.31
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB3	4	1.31
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB2	4	1.31
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB3	4	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB2	4	1.31
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB3	4	1.31
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG21	1	1.31
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG22	1	1.31
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG23	1	1.31
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG21	1	1.31
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG22	1	1.31
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG23	1	1.31
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG21	1	1.31
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG22	1	1.31
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG23	1	1.31
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG21	1	1.31
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG22	1	1.31
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG23	1	1.31
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG21	10	1.31
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG22	10	1.31
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG23	10	1.31
(1,495)	1:415:A:GLU:H	1:415:A:GLU:HB3	5	1.31
(1,478)	1:444:A:LEU:HB2	1:445:A:SER:H	14	1.31
(1,476)	1:445:A:SER:H	1:445:A:SER:HB2	16	1.31
(1,476)	1:445:A:SER:H	1:445:A:SER:HB2	19	1.31
(1,466)	1:422:A:LEU:HB2	1:423:A:GLN:H	19	1.31
(1,463)	1:420:A:ASP:HA	1:423:A:GLN:H	17	1.31
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB1	11	1.31
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB2	11	1.31
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB3	11	1.31
(1,445)	1:418:A:ASP:HB2	1:419:A:GLN:H	18	1.31
(1,428)	1:442:A:THR:HA	1:443:A:ASN:H	6	1.31
(1,416)	1:440:A:LYS:HB2	1:441:A:GLN:H	4	1.31
(1,416)	1:440:A:LYS:HB3	1:441:A:GLN:H	4	1.31
(1,415)	1:441:A:GLN:H	1:441:A:GLN:HB3	9	1.31
(1,341)	1:466:A:MET:HB2	1:467:A:ASN:H	14	1.31
(1,341)	1:466:A:MET:HB3	1:467:A:ASN:H	14	1.31
(1,310)	1:475:A:ARG:H	1:475:A:ARG:HD2	6	1.31
(1,286)	1:435:A:LYS:H	1:450:A:PHE:H	6	1.31
(1,274)	1:456:A:PRO:HB2	1:457:A:VAL:H	6	1.31
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG21	20	1.31
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG22	20	1.31
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG23	20	1.31
(1,264)	1:409:A:ILE:H	1:450:A:PHE:HA	3	1.31
(1,257)	1:434:A:ALA:HB1	1:435:A:LYS:H	19	1.31
(1,257)	1:434:A:ALA:HB2	1:435:A:LYS:H	19	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,257)	1:434:A:ALA:HB3	1:435:A:LYS:H	19	1.31
(1,205)	1:415:A:GLU:HG2	1:416:A:PHE:H	2	1.31
(1,205)	1:415:A:GLU:HG3	1:416:A:PHE:H	2	1.31
(1,204)	1:416:A:PHE:H	1:416:A:PHE:HB3	12	1.31
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD1	15	1.31
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD2	15	1.31
(1,193)	1:436:A:VAL:H	1:436:A:VAL:HB	17	1.31
(1,189)	1:460:A:GLN:HB2	1:461:A:ALA:H	11	1.31
(1,189)	1:460:A:GLN:HB3	1:461:A:ALA:H	11	1.31
(1,158)	1:407:A:LEU:H	1:407:A:LEU:HB3	7	1.31
(1,122)	1:473:A:MET:H	1:473:A:MET:HB2	14	1.31
(1,89)	1:481:A:LYS:H	1:481:A:LYS:HB2	10	1.31
(1,52)	1:471:A:ILE:H	1:474:A:LYS:H	18	1.31
(1,41)	1:467:A:ASN:HA	1:478:A:VAL:H	12	1.31
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG21	10	1.31
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG22	10	1.31
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG23	10	1.31
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD1	3	1.3
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD2	3	1.3
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD1	4	1.3
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD2	4	1.3
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD1	6	1.3
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD2	6	1.3
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD1	6	1.3
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD2	6	1.3
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD1	6	1.3
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD2	6	1.3
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG2	6	1.3
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG3	6	1.3
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG2	13	1.3
(1,1528)	1:475:A:ARG:HA	1:475:A:ARG:HG3	13	1.3
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG2	13	1.3
(1,1494)	1:475:A:ARG:HA	1:475:A:ARG:HG3	13	1.3
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG2	6	1.3
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG3	6	1.3
(1,1458)	1:414:A:GLN:HA	1:414:A:GLN:HG2	14	1.3
(1,1458)	1:414:A:GLN:HA	1:414:A:GLN:HG2	15	1.3
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE1	3	1.3
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE2	3	1.3
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE3	3	1.3
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD1	11	1.3
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD2	11	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE2	16	1.3
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE3	16	1.3
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE2	16	1.3
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE3	16	1.3
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	9	1.3
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	9	1.3
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	9	1.3
(1,1239)	1:432:A:ILE:HG12	1:433:A:SER:H	7	1.3
(1,1239)	1:432:A:ILE:HG13	1:433:A:SER:H	7	1.3
(1,1192)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	6	1.3
(1,1188)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	6	1.3
(1,1169)	1:462:A:ALA:HA	1:465:A:ALA:H	2	1.3
(1,1167)	1:400:A:GLU:H	1:400:A:GLU:HB2	1	1.3
(1,1167)	1:400:A:GLU:H	1:400:A:GLU:HB2	11	1.3
(1,1159)	1:459:A:ALA:HA	1:461:A:ALA:HA	16	1.3
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB2	13	1.3
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB3	13	1.3
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB2	13	1.3
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB3	13	1.3
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG2	2	1.3
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG3	2	1.3
(1,1136)	1:456:A:PRO:HB2	1:457:A:VAL:H	5	1.3
(1,1136)	1:456:A:PRO:HB2	1:457:A:VAL:H	14	1.3
(1,1097)	1:441:A:GLN:HA	1:444:A:LEU:H	18	1.3
(1,1069)	1:432:A:ILE:HD11	1:454:A:ASP:HA	13	1.3
(1,1069)	1:432:A:ILE:HD12	1:454:A:ASP:HA	13	1.3
(1,1069)	1:432:A:ILE:HD13	1:454:A:ASP:HA	13	1.3
(1,1069)	1:432:A:ILE:HD11	1:454:A:ASP:HA	20	1.3
(1,1069)	1:432:A:ILE:HD12	1:454:A:ASP:HA	20	1.3
(1,1069)	1:432:A:ILE:HD13	1:454:A:ASP:HA	20	1.3
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD11	19	1.3
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD12	19	1.3
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD13	19	1.3
(1,1061)	1:409:A:ILE:HA	1:409:A:ILE:HG12	11	1.3
(1,973)	1:471:A:ILE:HG21	1:472:A:GLY:H	15	1.3
(1,973)	1:471:A:ILE:HG22	1:472:A:GLY:H	15	1.3
(1,973)	1:471:A:ILE:HG23	1:472:A:GLY:H	15	1.3
(1,963)	1:420:A:ASP:H	1:420:A:ASP:HB3	8	1.3
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG21	13	1.3
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG22	13	1.3
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG23	13	1.3
(1,941)	1:409:A:ILE:HB	1:410:A:TYR:H	18	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,939)	1:486:A:ASP:H	1:486:A:ASP:HB3	2	1.3
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG11	11	1.3
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG12	11	1.3
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG13	11	1.3
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG11	11	1.3
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG12	11	1.3
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG13	11	1.3
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG11	11	1.3
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG12	11	1.3
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG13	11	1.3
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG21	1	1.3
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG22	1	1.3
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG23	1	1.3
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	15	1.3
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	15	1.3
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	15	1.3
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	15	1.3
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	15	1.3
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	15	1.3
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	15	1.3
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	15	1.3
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	15	1.3
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	15	1.3
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	15	1.3
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	15	1.3
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	15	1.3
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	15	1.3
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	15	1.3
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	15	1.3
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	15	1.3
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	15	1.3
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG21	11	1.3
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG22	11	1.3
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG23	11	1.3
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB2	15	1.3
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB3	15	1.3
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB2	15	1.3
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB3	15	1.3
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB2	15	1.3
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB3	15	1.3
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG21	14	1.3
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG22	14	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG23	14	1.3
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG21	14	1.3
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG22	14	1.3
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG23	14	1.3
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG21	14	1.3
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG22	14	1.3
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG23	14	1.3
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG21	20	1.3
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG22	20	1.3
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG23	20	1.3
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG21	20	1.3
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG22	20	1.3
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG23	20	1.3
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG21	20	1.3
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG22	20	1.3
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG23	20	1.3
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG11	4	1.3
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG12	4	1.3
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG13	4	1.3
(1,710)	1:478:A:VAL:HG21	1:479:A:GLN:H	7	1.3
(1,710)	1:478:A:VAL:HG22	1:479:A:GLN:H	7	1.3
(1,710)	1:478:A:VAL:HG23	1:479:A:GLN:H	7	1.3
(1,659)	1:480:A:LEU:HG	1:481:A:LYS:H	6	1.3
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	15	1.3
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	15	1.3
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	15	1.3
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	15	1.3
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	15	1.3
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	15	1.3
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	15	1.3
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	15	1.3
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	15	1.3
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	15	1.3
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	15	1.3
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	15	1.3
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	15	1.3
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	15	1.3
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	15	1.3
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	15	1.3
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	15	1.3
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	15	1.3
(1,605)	1:426:A:MET:HA	1:429:A:GLY:H	8	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,584)	1:428:A:PHE:H	1:428:A:PHE:HB3	6	1.3
(1,584)	1:428:A:PHE:H	1:428:A:PHE:HB3	12	1.3
(1,584)	1:428:A:PHE:H	1:428:A:PHE:HB3	16	1.3
(1,555)	1:425:A:PHE:H	1:425:A:PHE:HB3	19	1.3
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG21	12	1.3
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG22	12	1.3
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG23	12	1.3
(1,518)	1:430:A:ASN:HA	1:430:A:ASN:HD22	17	1.3
(1,507)	1:454:A:ASP:H	1:455:A:ASN:H	12	1.3
(1,507)	1:454:A:ASP:H	1:455:A:ASN:H	20	1.3
(1,495)	1:415:A:GLU:H	1:415:A:GLU:HB3	2	1.3
(1,466)	1:422:A:LEU:HB2	1:423:A:GLN:H	1	1.3
(1,463)	1:420:A:ASP:HA	1:423:A:GLN:H	8	1.3
(1,445)	1:418:A:ASP:HB2	1:419:A:GLN:H	11	1.3
(1,421)	1:462:A:ALA:HA	1:465:A:ALA:H	2	1.3
(1,415)	1:441:A:GLN:H	1:441:A:GLN:HB3	6	1.3
(1,415)	1:441:A:GLN:H	1:441:A:GLN:HB3	8	1.3
(1,406)	1:471:A:ILE:HG21	1:472:A:GLY:H	15	1.3
(1,406)	1:471:A:ILE:HG22	1:472:A:GLY:H	15	1.3
(1,406)	1:471:A:ILE:HG23	1:472:A:GLY:H	15	1.3
(1,392)	1:430:A:ASN:H	1:454:A:ASP:H	16	1.3
(1,386)	1:420:A:ASP:H	1:420:A:ASP:HB3	8	1.3
(1,383)	1:444:A:LEU:H	1:444:A:LEU:HB2	1	1.3
(1,372)	1:458:A:SER:H	1:458:A:SER:HB2	5	1.3
(1,372)	1:458:A:SER:H	1:458:A:SER:HB2	14	1.3
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG21	13	1.3
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG22	13	1.3
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG23	13	1.3
(1,288)	1:450:A:PHE:H	1:450:A:PHE:HB3	9	1.3
(1,280)	1:458:A:SER:HB2	1:459:A:ALA:H	19	1.3
(1,274)	1:456:A:PRO:HB2	1:457:A:VAL:H	5	1.3
(1,274)	1:456:A:PRO:HB2	1:457:A:VAL:H	14	1.3
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG21	1	1.3
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG22	1	1.3
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG23	1	1.3
(1,261)	1:486:A:ASP:H	1:486:A:ASP:HB3	2	1.3
(1,248)	1:405:A:ALA:HB1	1:453:A:TYR:H	7	1.3
(1,248)	1:405:A:ALA:HB2	1:453:A:TYR:H	7	1.3
(1,248)	1:405:A:ALA:HB3	1:453:A:TYR:H	7	1.3
(1,248)	1:405:A:ALA:HB1	1:453:A:TYR:H	18	1.3
(1,248)	1:405:A:ALA:HB2	1:453:A:TYR:H	18	1.3
(1,248)	1:405:A:ALA:HB3	1:453:A:TYR:H	18	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,241)	1:399:A:LYS:HB2	1:400:A:GLU:H	1	1.3
(1,241)	1:399:A:LYS:HB3	1:400:A:GLU:H	1	1.3
(1,241)	1:399:A:LYS:HB2	1:400:A:GLU:H	2	1.3
(1,241)	1:399:A:LYS:HB3	1:400:A:GLU:H	2	1.3
(1,240)	1:400:A:GLU:H	1:400:A:GLU:HB2	1	1.3
(1,240)	1:400:A:GLU:H	1:400:A:GLU:HB2	11	1.3
(1,170)	1:483:A:SER:HB2	1:484:A:LYS:H	12	1.3
(1,170)	1:483:A:SER:HB3	1:484:A:LYS:H	12	1.3
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG11	4	1.3
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG12	4	1.3
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG13	4	1.3
(1,122)	1:473:A:MET:H	1:473:A:MET:HB2	1	1.3
(1,122)	1:473:A:MET:H	1:473:A:MET:HB2	18	1.3
(1,118)	1:478:A:VAL:HG21	1:479:A:GLN:H	7	1.3
(1,118)	1:478:A:VAL:HG22	1:479:A:GLN:H	7	1.3
(1,118)	1:478:A:VAL:HG23	1:479:A:GLN:H	7	1.3
(1,100)	1:450:A:PHE:HD1	1:451:A:VAL:H	10	1.3
(1,100)	1:450:A:PHE:HD2	1:451:A:VAL:H	10	1.3
(1,41)	1:467:A:ASN:HA	1:478:A:VAL:H	10	1.3
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD11	19	1.3
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD12	19	1.3
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD13	19	1.3
(1,17)	1:431:A:VAL:HG21	1:432:A:ILE:H	10	1.3
(1,17)	1:431:A:VAL:HG22	1:432:A:ILE:H	10	1.3
(1,17)	1:431:A:VAL:HG23	1:432:A:ILE:H	10	1.3
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	17	1.29
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	17	1.29
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	17	1.29
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	17	1.29
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	17	1.29
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	17	1.29
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	17	1.29
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	17	1.29
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	17	1.29
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	17	1.29
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	17	1.29
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	17	1.29
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	17	1.29
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	17	1.29
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	17	1.29
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	17	1.29
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	17	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	17	1.29
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD1	18	1.29
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD2	18	1.29
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG2	5	1.29
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG3	5	1.29
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD2	18	1.29
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD3	18	1.29
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG2	5	1.29
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG3	5	1.29
(1,1473)	1:398:A:GLN:HA	1:398:A:GLN:HG2	5	1.29
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG21	11	1.29
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG22	11	1.29
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG23	11	1.29
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG21	11	1.29
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG22	11	1.29
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG23	11	1.29
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	1	1.29
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	1	1.29
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	1	1.29
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	1	1.29
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	1	1.29
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	1	1.29
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	1	1.29
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	1	1.29
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	1	1.29
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	1	1.29
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	1	1.29
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	1	1.29
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	1	1.29
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	1	1.29
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	1	1.29
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	1	1.29
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	1	1.29
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	1	1.29
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	4	1.29
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	4	1.29
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	4	1.29
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	1	1.29
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	1	1.29
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	1	1.29
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	1	1.29
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	1	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	1	1.29
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	1	1.29
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	1	1.29
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	1	1.29
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	1	1.29
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	1	1.29
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	1	1.29
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	1	1.29
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	1	1.29
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	1	1.29
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	1	1.29
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	1	1.29
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	1	1.29
(1,1192)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	11	1.29
(1,1188)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	11	1.29
(1,1167)	1:400:A:GLU:H	1:400:A:GLU:HB2	16	1.29
(1,1162)	1:453:A:TYR:HD1	1:459:A:ALA:HA	6	1.29
(1,1162)	1:453:A:TYR:HD2	1:459:A:ALA:HA	6	1.29
(1,1162)	1:453:A:TYR:HD1	1:459:A:ALA:HA	10	1.29
(1,1162)	1:453:A:TYR:HD2	1:459:A:ALA:HA	10	1.29
(1,1159)	1:459:A:ALA:HA	1:461:A:ALA:HA	20	1.29
(1,1136)	1:456:A:PRO:HB2	1:457:A:VAL:H	1	1.29
(1,1101)	1:477:A:LYS:HB2	1:478:A:VAL:H	5	1.29
(1,1101)	1:477:A:LYS:HB3	1:478:A:VAL:H	5	1.29
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG21	5	1.29
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG22	5	1.29
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG23	5	1.29
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD11	14	1.29
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD12	14	1.29
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD13	14	1.29
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD11	12	1.29
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD12	12	1.29
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD13	12	1.29
(1,987)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	5	1.29
(1,987)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	5	1.29
(1,984)	1:416:A:PHE:HB2	1:417:A:GLY:H	18	1.29
(1,973)	1:471:A:ILE:HG21	1:472:A:GLY:H	4	1.29
(1,973)	1:471:A:ILE:HG22	1:472:A:GLY:H	4	1.29
(1,973)	1:471:A:ILE:HG23	1:472:A:GLY:H	4	1.29
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG21	15	1.29
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG22	15	1.29
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG23	15	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,939)	1:486:A:ASP:H	1:486:A:ASP:HB3	18	1.29
(1,838)	1:451:A:VAL:HG11	1:452:A:SER:H	20	1.29
(1,838)	1:451:A:VAL:HG12	1:452:A:SER:H	20	1.29
(1,838)	1:451:A:VAL:HG13	1:452:A:SER:H	20	1.29
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG11	7	1.29
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG12	7	1.29
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG13	7	1.29
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG11	9	1.29
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG12	9	1.29
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG13	9	1.29
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG21	8	1.29
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG22	8	1.29
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG23	8	1.29
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG21	8	1.29
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG22	8	1.29
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG23	8	1.29
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG21	8	1.29
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG22	8	1.29
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG23	8	1.29
(1,710)	1:478:A:VAL:HG21	1:479:A:GLN:H	5	1.29
(1,710)	1:478:A:VAL:HG22	1:479:A:GLN:H	5	1.29
(1,710)	1:478:A:VAL:HG23	1:479:A:GLN:H	5	1.29
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD11	9	1.29
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD12	9	1.29
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD13	9	1.29
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD21	9	1.29
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD22	9	1.29
(1,699)	1:476:A:LEU:H	1:476:A:LEU:HD23	9	1.29
(1,688)	1:480:A:LEU:HD11	1:481:A:LYS:H	2	1.29
(1,688)	1:480:A:LEU:HD12	1:481:A:LYS:H	2	1.29
(1,688)	1:480:A:LEU:HD13	1:481:A:LYS:H	2	1.29
(1,688)	1:480:A:LEU:HD21	1:481:A:LYS:H	2	1.29
(1,688)	1:480:A:LEU:HD22	1:481:A:LYS:H	2	1.29
(1,688)	1:480:A:LEU:HD23	1:481:A:LYS:H	2	1.29
(1,614)	1:407:A:LEU:H	1:407:A:LEU:HG	4	1.29
(1,591)	1:448:A:PHE:HB2	1:449:A:GLY:H	1	1.29
(1,591)	1:448:A:PHE:HB3	1:449:A:GLY:H	1	1.29
(1,583)	1:426:A:MET:HA	1:428:A:PHE:H	10	1.29
(1,583)	1:426:A:MET:HA	1:428:A:PHE:H	18	1.29
(1,553)	1:422:A:LEU:HA	1:425:A:PHE:H	3	1.29
(1,476)	1:445:A:SER:H	1:445:A:SER:HB2	3	1.29
(1,476)	1:445:A:SER:H	1:445:A:SER:HB2	4	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,465)	1:422:A:LEU:HB3	1:423:A:GLN:H	4	1.29
(1,415)	1:441:A:GLN:H	1:441:A:GLN:HB3	3	1.29
(1,415)	1:441:A:GLN:H	1:441:A:GLN:HB3	13	1.29
(1,415)	1:441:A:GLN:H	1:441:A:GLN:HB3	17	1.29
(1,415)	1:441:A:GLN:H	1:441:A:GLN:HB3	20	1.29
(1,407)	1:417:A:GLY:H	1:420:A:ASP:H	19	1.29
(1,406)	1:471:A:ILE:HG21	1:472:A:GLY:H	4	1.29
(1,406)	1:471:A:ILE:HG22	1:472:A:GLY:H	4	1.29
(1,406)	1:471:A:ILE:HG23	1:472:A:GLY:H	4	1.29
(1,392)	1:430:A:ASN:H	1:454:A:ASP:H	18	1.29
(1,383)	1:444:A:LEU:H	1:444:A:LEU:HB2	6	1.29
(1,372)	1:458:A:SER:H	1:458:A:SER:HB2	10	1.29
(1,372)	1:458:A:SER:H	1:458:A:SER:HB2	18	1.29
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG21	15	1.29
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG22	15	1.29
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG23	15	1.29
(1,341)	1:466:A:MET:HB2	1:467:A:ASN:H	11	1.29
(1,341)	1:466:A:MET:HB3	1:467:A:ASN:H	11	1.29
(1,324)	1:451:A:VAL:HG11	1:452:A:SER:H	20	1.29
(1,324)	1:451:A:VAL:HG12	1:452:A:SER:H	20	1.29
(1,324)	1:451:A:VAL:HG13	1:452:A:SER:H	20	1.29
(1,314)	1:474:A:LYS:HD2	1:475:A:ARG:H	15	1.29
(1,314)	1:474:A:LYS:HD3	1:475:A:ARG:H	15	1.29
(1,288)	1:450:A:PHE:H	1:450:A:PHE:HB3	14	1.29
(1,286)	1:435:A:LYS:H	1:450:A:PHE:H	2	1.29
(1,283)	1:407:A:LEU:HG	1:459:A:ALA:H	4	1.29
(1,274)	1:456:A:PRO:HB2	1:457:A:VAL:H	1	1.29
(1,267)	1:409:A:ILE:H	1:409:A:ILE:HG12	13	1.29
(1,264)	1:409:A:ILE:H	1:450:A:PHE:HA	12	1.29
(1,261)	1:486:A:ASP:H	1:486:A:ASP:HB3	18	1.29
(1,244)	1:399:A:LYS:HD2	1:400:A:GLU:H	11	1.29
(1,244)	1:399:A:LYS:HD3	1:400:A:GLU:H	11	1.29
(1,240)	1:400:A:GLU:H	1:400:A:GLU:HB2	16	1.29
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG21	18	1.29
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG22	18	1.29
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG23	18	1.29
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG11	7	1.29
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG12	7	1.29
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG13	7	1.29
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD11	18	1.29
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD12	18	1.29
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD13	18	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD21	18	1.29
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD22	18	1.29
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD23	18	1.29
(1,158)	1:407:A:LEU:H	1:407:A:LEU:HB3	3	1.29
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG11	13	1.29
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG12	13	1.29
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG13	13	1.29
(1,135)	1:422:A:LEU:H	1:422:A:LEU:HB3	19	1.29
(1,118)	1:478:A:VAL:HG21	1:479:A:GLN:H	5	1.29
(1,118)	1:478:A:VAL:HG22	1:479:A:GLN:H	5	1.29
(1,118)	1:478:A:VAL:HG23	1:479:A:GLN:H	5	1.29
(1,117)	1:489:A:PRO:HG2	1:490:A:TYR:H	4	1.29
(1,110)	1:476:A:LEU:HB2	1:477:A:LYS:H	12	1.29
(1,110)	1:476:A:LEU:HB3	1:477:A:LYS:H	12	1.29
(1,103)	1:407:A:LEU:HG	1:479:A:GLN:H	15	1.29
(1,91)	1:480:A:LEU:HD11	1:481:A:LYS:H	2	1.29
(1,91)	1:480:A:LEU:HD12	1:481:A:LYS:H	2	1.29
(1,91)	1:480:A:LEU:HD13	1:481:A:LYS:H	2	1.29
(1,91)	1:480:A:LEU:HD21	1:481:A:LYS:H	2	1.29
(1,91)	1:480:A:LEU:HD22	1:481:A:LYS:H	2	1.29
(1,91)	1:480:A:LEU:HD23	1:481:A:LYS:H	2	1.29
(1,52)	1:471:A:ILE:H	1:474:A:LYS:H	3	1.29
(1,52)	1:471:A:ILE:H	1:474:A:LYS:H	15	1.29
(1,39)	1:477:A:LYS:HB2	1:478:A:VAL:H	5	1.29
(1,39)	1:477:A:LYS:HB3	1:478:A:VAL:H	5	1.29
(1,1598)	1:453:A:TYR:HE1	1:459:A:ALA:HA	8	1.28
(1,1598)	1:453:A:TYR:HE2	1:459:A:ALA:HA	8	1.28
(1,1598)	1:453:A:TYR:HE1	1:459:A:ALA:HA	18	1.28
(1,1598)	1:453:A:TYR:HE2	1:459:A:ALA:HA	18	1.28
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD1	5	1.28
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD2	5	1.28
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD1	5	1.28
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD2	5	1.28
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD1	5	1.28
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD2	5	1.28
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG2	8	1.28
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG3	8	1.28
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG2	17	1.28
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG3	17	1.28
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG21	15	1.28
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG22	15	1.28
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG23	15	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG11	7	1.28
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG12	7	1.28
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG13	7	1.28
(1,1485)	1:398:A:GLN:HA	1:398:A:GLN:HG3	17	1.28
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG2	8	1.28
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG3	8	1.28
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG2	17	1.28
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG3	17	1.28
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE1	1	1.28
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE2	1	1.28
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE3	1	1.28
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG21	4	1.28
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG22	4	1.28
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG23	4	1.28
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG21	4	1.28
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG22	4	1.28
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG23	4	1.28
(1,1394)	1:463:A:ILE:HG21	1:464:A:GLN:HA	6	1.28
(1,1394)	1:463:A:ILE:HG22	1:464:A:GLN:HA	6	1.28
(1,1394)	1:463:A:ILE:HG23	1:464:A:GLN:HA	6	1.28
(1,1394)	1:463:A:ILE:HG21	1:464:A:GLN:HA	13	1.28
(1,1394)	1:463:A:ILE:HG22	1:464:A:GLN:HA	13	1.28
(1,1394)	1:463:A:ILE:HG23	1:464:A:GLN:HA	13	1.28
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD2	7	1.28
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD3	7	1.28
(1,1197)	1:441:A:GLN:HB2	1:442:A:THR:H	18	1.28
(1,1167)	1:400:A:GLU:H	1:400:A:GLU:HB2	6	1.28
(1,1167)	1:400:A:GLU:H	1:400:A:GLU:HB2	7	1.28
(1,1167)	1:400:A:GLU:H	1:400:A:GLU:HB2	13	1.28
(1,1163)	1:453:A:TYR:HE1	1:459:A:ALA:HA	8	1.28
(1,1163)	1:453:A:TYR:HE2	1:459:A:ALA:HA	8	1.28
(1,1163)	1:453:A:TYR:HE1	1:459:A:ALA:HA	18	1.28
(1,1163)	1:453:A:TYR:HE2	1:459:A:ALA:HA	18	1.28
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG2	7	1.28
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG3	7	1.28
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG2	9	1.28
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG3	9	1.28
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	11	1.28
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	11	1.28
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	11	1.28
(1,1057)	1:451:A:VAL:H	1:451:A:VAL:HB	20	1.28
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD11	19	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD12	19	1.28
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD13	19	1.28
(1,987)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	2	1.28
(1,987)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	2	1.28
(1,964)	1:420:A:ASP:H	1:420:A:ASP:HB2	13	1.28
(1,939)	1:486:A:ASP:H	1:486:A:ASP:HB3	17	1.28
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG21	18	1.28
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG22	18	1.28
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG23	18	1.28
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG21	15	1.28
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG22	15	1.28
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG23	15	1.28
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG21	13	1.28
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG22	13	1.28
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG23	13	1.28
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG21	13	1.28
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG22	13	1.28
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG23	13	1.28
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG21	13	1.28
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG22	13	1.28
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG23	13	1.28
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG11	7	1.28
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG12	7	1.28
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG13	7	1.28
(1,591)	1:448:A:PHE:HB2	1:449:A:GLY:H	8	1.28
(1,591)	1:448:A:PHE:HB3	1:449:A:GLY:H	8	1.28
(1,583)	1:426:A:MET:HA	1:428:A:PHE:H	4	1.28
(1,555)	1:425:A:PHE:H	1:425:A:PHE:HB3	8	1.28
(1,555)	1:425:A:PHE:H	1:425:A:PHE:HB3	9	1.28
(1,543)	1:454:A:ASP:H	1:454:A:ASP:HB2	4	1.28
(1,503)	1:410:A:TYR:HA	1:412:A:LEU:H	2	1.28
(1,503)	1:410:A:TYR:HA	1:412:A:LEU:H	11	1.28
(1,465)	1:422:A:LEU:HB3	1:423:A:GLN:H	14	1.28
(1,415)	1:441:A:GLN:H	1:441:A:GLN:HB3	11	1.28
(1,415)	1:441:A:GLN:H	1:441:A:GLN:HB3	15	1.28
(1,388)	1:420:A:ASP:H	1:420:A:ASP:HB2	13	1.28
(1,372)	1:458:A:SER:H	1:458:A:SER:HB2	15	1.28
(1,371)	1:458:A:SER:H	1:458:A:SER:HB3	19	1.28
(1,314)	1:474:A:LYS:HD2	1:475:A:ARG:H	2	1.28
(1,314)	1:474:A:LYS:HD3	1:475:A:ARG:H	2	1.28
(1,310)	1:475:A:ARG:H	1:475:A:ARG:HD2	10	1.28
(1,261)	1:486:A:ASP:H	1:486:A:ASP:HB3	17	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,248)	1:405:A:ALA:HB1	1:453:A:TYR:H	16	1.28
(1,248)	1:405:A:ALA:HB2	1:453:A:TYR:H	16	1.28
(1,248)	1:405:A:ALA:HB3	1:453:A:TYR:H	16	1.28
(1,247)	1:452:A:SER:HB3	1:453:A:TYR:H	2	1.28
(1,240)	1:400:A:GLU:H	1:400:A:GLU:HB2	6	1.28
(1,240)	1:400:A:GLU:H	1:400:A:GLU:HB2	7	1.28
(1,240)	1:400:A:GLU:H	1:400:A:GLU:HB2	13	1.28
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG21	16	1.28
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG22	16	1.28
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG23	16	1.28
(1,170)	1:483:A:SER:HB2	1:484:A:LYS:H	19	1.28
(1,170)	1:483:A:SER:HB3	1:484:A:LYS:H	19	1.28
(1,157)	1:406:A:ASN:HB2	1:407:A:LEU:H	16	1.28
(1,133)	1:405:A:ALA:HB1	1:451:A:VAL:H	18	1.28
(1,133)	1:405:A:ALA:HB2	1:451:A:VAL:H	18	1.28
(1,133)	1:405:A:ALA:HB3	1:451:A:VAL:H	18	1.28
(1,122)	1:473:A:MET:H	1:473:A:MET:HB2	16	1.28
(1,96)	1:451:A:VAL:H	1:451:A:VAL:HB	20	1.28
(1,67)	1:436:A:VAL:HB	1:437:A:PHE:H	16	1.28
(1,42)	1:439:A:ASP:H	1:444:A:LEU:HG	10	1.28
(1,17)	1:431:A:VAL:HG21	1:432:A:ILE:H	2	1.28
(1,17)	1:431:A:VAL:HG22	1:432:A:ILE:H	2	1.28
(1,17)	1:431:A:VAL:HG23	1:432:A:ILE:H	2	1.28
(1,17)	1:431:A:VAL:HG21	1:432:A:ILE:H	4	1.28
(1,17)	1:431:A:VAL:HG22	1:432:A:ILE:H	4	1.28
(1,17)	1:431:A:VAL:HG23	1:432:A:ILE:H	4	1.28
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	18	1.27
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	18	1.27
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	18	1.27
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	18	1.27
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	18	1.27
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	18	1.27
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB1	4	1.27
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB2	4	1.27
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB3	4	1.27
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB1	4	1.27
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB2	4	1.27
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB3	4	1.27
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD1	10	1.27
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD2	10	1.27
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	8	1.27
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	8	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	8	1.27
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	8	1.27
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	8	1.27
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	8	1.27
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	8	1.27
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	8	1.27
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	8	1.27
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	8	1.27
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	8	1.27
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	8	1.27
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG2	3	1.27
(1,1530)	1:482:A:ARG:HA	1:482:A:ARG:HG3	3	1.27
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD2	1	1.27
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD3	1	1.27
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG11	3	1.27
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG12	3	1.27
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG13	3	1.27
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD2	1	1.27
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD3	1	1.27
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG2	3	1.27
(1,1483)	1:482:A:ARG:HA	1:482:A:ARG:HG3	3	1.27
(1,1473)	1:398:A:GLN:HA	1:398:A:GLN:HG2	7	1.27
(1,1458)	1:414:A:GLN:HA	1:414:A:GLN:HG2	9	1.27
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG21	3	1.27
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG22	3	1.27
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG23	3	1.27
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG21	3	1.27
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG22	3	1.27
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG23	3	1.27
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG21	18	1.27
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG22	18	1.27
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG23	18	1.27
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG21	18	1.27
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG22	18	1.27
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG23	18	1.27
(1,1394)	1:463:A:ILE:HG21	1:464:A:GLN:HA	2	1.27
(1,1394)	1:463:A:ILE:HG22	1:464:A:GLN:HA	2	1.27
(1,1394)	1:463:A:ILE:HG23	1:464:A:GLN:HA	2	1.27
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	18	1.27
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	18	1.27
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	18	1.27
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	18	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE2	19	1.27
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE3	19	1.27
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE2	19	1.27
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE3	19	1.27
(1,1239)	1:432:A:ILE:HG12	1:433:A:SER:H	16	1.27
(1,1239)	1:432:A:ILE:HG13	1:433:A:SER:H	16	1.27
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD2	9	1.27
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD3	9	1.27
(1,1167)	1:400:A:GLU:H	1:400:A:GLU:HB2	9	1.27
(1,1167)	1:400:A:GLU:H	1:400:A:GLU:HB2	10	1.27
(1,1159)	1:459:A:ALA:HA	1:461:A:ALA:HA	4	1.27
(1,1031)	1:430:A:ASN:HB2	1:431:A:VAL:H	18	1.27
(1,1031)	1:430:A:ASN:HB3	1:431:A:VAL:H	18	1.27
(1,1011)	1:425:A:PHE:HB3	1:426:A:MET:H	15	1.27
(1,997)	1:485:A:ASN:HB2	1:486:A:ASP:H	5	1.27
(1,984)	1:416:A:PHE:HB2	1:417:A:GLY:H	1	1.27
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG21	3	1.27
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG22	3	1.27
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG23	3	1.27
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG21	5	1.27
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG22	5	1.27
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG23	5	1.27
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG21	18	1.27
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG22	18	1.27
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG23	18	1.27
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	10	1.27
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	10	1.27
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	10	1.27
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	10	1.27
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	10	1.27
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	10	1.27
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	14	1.27
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	14	1.27
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	14	1.27
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	14	1.27
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	14	1.27
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	14	1.27
(1,815)	1:434:A:ALA:HB1	1:435:A:LYS:HA	13	1.27
(1,815)	1:434:A:ALA:HB2	1:435:A:LYS:HA	13	1.27
(1,815)	1:434:A:ALA:HB3	1:435:A:LYS:HA	13	1.27
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB2	12	1.27
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB3	12	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB2	12	1.27
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB3	12	1.27
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB2	12	1.27
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB3	12	1.27
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG11	3	1.27
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG12	3	1.27
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG13	3	1.27
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG11	2	1.27
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG12	2	1.27
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG13	2	1.27
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG11	12	1.27
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG12	12	1.27
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG13	12	1.27
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG21	5	1.27
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG22	5	1.27
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG23	5	1.27
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD11	8	1.27
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD12	8	1.27
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD13	8	1.27
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD21	8	1.27
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD22	8	1.27
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD23	8	1.27
(1,584)	1:428:A:PHE:H	1:428:A:PHE:HB3	1	1.27
(1,584)	1:428:A:PHE:H	1:428:A:PHE:HB3	3	1.27
(1,584)	1:428:A:PHE:H	1:428:A:PHE:HB3	7	1.27
(1,540)	1:454:A:ASP:H	1:454:A:ASP:HB3	1	1.27
(1,540)	1:454:A:ASP:H	1:454:A:ASP:HB3	16	1.27
(1,534)	1:453:A:TYR:HD1	1:454:A:ASP:H	3	1.27
(1,534)	1:453:A:TYR:HD2	1:454:A:ASP:H	3	1.27
(1,476)	1:445:A:SER:H	1:445:A:SER:HB2	13	1.27
(1,465)	1:422:A:LEU:HB3	1:423:A:GLN:H	7	1.27
(1,439)	1:421:A:ILE:H	1:421:A:ILE:HG13	19	1.27
(1,438)	1:420:A:ASP:HB3	1:421:A:ILE:H	5	1.27
(1,438)	1:420:A:ASP:HB3	1:421:A:ILE:H	19	1.27
(1,392)	1:430:A:ASN:H	1:454:A:ASP:H	6	1.27
(1,372)	1:458:A:SER:H	1:458:A:SER:HB2	12	1.27
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG21	5	1.27
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG22	5	1.27
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG23	5	1.27
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG21	3	1.27
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG22	3	1.27
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG23	3	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:460:A:GLN:HA	1:463:A:ILE:H	15	1.27
(1,348)	1:408:A:PHE:H	1:408:A:PHE:HB3	12	1.27
(1,348)	1:408:A:PHE:H	1:408:A:PHE:HB3	14	1.27
(1,341)	1:466:A:MET:HB2	1:467:A:ASN:H	10	1.27
(1,341)	1:466:A:MET:HB3	1:467:A:ASN:H	10	1.27
(1,341)	1:466:A:MET:HB2	1:467:A:ASN:H	17	1.27
(1,341)	1:466:A:MET:HB3	1:467:A:ASN:H	17	1.27
(1,341)	1:466:A:MET:HB2	1:467:A:ASN:H	19	1.27
(1,341)	1:466:A:MET:HB3	1:467:A:ASN:H	19	1.27
(1,314)	1:474:A:LYS:HD2	1:475:A:ARG:H	14	1.27
(1,314)	1:474:A:LYS:HD3	1:475:A:ARG:H	14	1.27
(1,279)	1:458:A:SER:HB3	1:459:A:ALA:H	8	1.27
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG21	5	1.27
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG22	5	1.27
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG23	5	1.27
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG21	18	1.27
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG22	18	1.27
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG23	18	1.27
(1,264)	1:409:A:ILE:H	1:450:A:PHE:HA	10	1.27
(1,240)	1:400:A:GLU:H	1:400:A:GLU:HB2	9	1.27
(1,240)	1:400:A:GLU:H	1:400:A:GLU:HB2	10	1.27
(1,204)	1:416:A:PHE:H	1:416:A:PHE:HB3	13	1.27
(1,158)	1:407:A:LEU:H	1:407:A:LEU:HB3	20	1.27
(1,122)	1:473:A:MET:H	1:473:A:MET:HB2	11	1.27
(1,122)	1:473:A:MET:H	1:473:A:MET:HB2	15	1.27
(1,21)	1:424:A:MET:H	1:426:A:MET:H	9	1.27
(1,17)	1:431:A:VAL:HG21	1:432:A:ILE:H	18	1.27
(1,17)	1:431:A:VAL:HG22	1:432:A:ILE:H	18	1.27
(1,17)	1:431:A:VAL:HG23	1:432:A:ILE:H	18	1.27
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	20	1.26
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	20	1.26
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	20	1.26
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	20	1.26
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	20	1.26
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	20	1.26
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD1	11	1.26
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD2	11	1.26
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD1	8	1.26
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD2	8	1.26
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD1	8	1.26
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD2	8	1.26
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD1	11	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD2	11	1.26
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD1	9	1.26
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD2	9	1.26
(1,1537)	1:448:A:PHE:HD1	1:449:A:GLY:H	14	1.26
(1,1537)	1:448:A:PHE:HD2	1:449:A:GLY:H	14	1.26
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD2	1	1.26
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD3	1	1.26
(1,1498)	1:428:A:PHE:HE1	1:465:A:ALA:HA	9	1.26
(1,1498)	1:428:A:PHE:HE2	1:465:A:ALA:HA	9	1.26
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG21	17	1.26
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG22	17	1.26
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG23	17	1.26
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD2	1	1.26
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD3	1	1.26
(1,1473)	1:398:A:GLN:HA	1:398:A:GLN:HG2	19	1.26
(1,1394)	1:463:A:ILE:HG21	1:464:A:GLN:HA	12	1.26
(1,1394)	1:463:A:ILE:HG22	1:464:A:GLN:HA	12	1.26
(1,1394)	1:463:A:ILE:HG23	1:464:A:GLN:HA	12	1.26
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB1	17	1.26
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB2	17	1.26
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB3	17	1.26
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB1	17	1.26
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB2	17	1.26
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB3	17	1.26
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB1	17	1.26
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB2	17	1.26
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB3	17	1.26
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG11	15	1.26
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG12	15	1.26
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG13	15	1.26
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD2	18	1.26
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD3	18	1.26
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG2	16	1.26
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG3	16	1.26
(1,1101)	1:477:A:LYS:HB2	1:478:A:VAL:H	13	1.26
(1,1101)	1:477:A:LYS:HB3	1:478:A:VAL:H	13	1.26
(1,1088)	1:419:A:GLN:HA	1:422:A:LEU:H	5	1.26
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD11	17	1.26
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD12	17	1.26
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD13	17	1.26
(1,1057)	1:451:A:VAL:H	1:451:A:VAL:HB	11	1.26
(1,1057)	1:451:A:VAL:H	1:451:A:VAL:HB	13	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD11	4	1.26
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD12	4	1.26
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD13	4	1.26
(1,1031)	1:430:A:ASN:HB2	1:431:A:VAL:H	7	1.26
(1,1031)	1:430:A:ASN:HB3	1:431:A:VAL:H	7	1.26
(1,1019)	1:432:A:ILE:H	1:432:A:ILE:HB	14	1.26
(1,1013)	1:463:A:ILE:HB	1:464:A:GLN:H	5	1.26
(1,984)	1:416:A:PHE:HB2	1:417:A:GLY:H	14	1.26
(1,984)	1:416:A:PHE:HB2	1:417:A:GLY:H	16	1.26
(1,975)	1:438:A:ILE:HG21	1:439:A:ASP:H	3	1.26
(1,975)	1:438:A:ILE:HG22	1:439:A:ASP:H	3	1.26
(1,975)	1:438:A:ILE:HG23	1:439:A:ASP:H	3	1.26
(1,926)	1:406:A:ASN:HB3	1:407:A:LEU:H	5	1.26
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	11	1.26
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	11	1.26
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	11	1.26
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	11	1.26
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	11	1.26
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	11	1.26
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB1	12	1.26
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB2	12	1.26
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB3	12	1.26
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB1	12	1.26
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB2	12	1.26
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB3	12	1.26
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB1	12	1.26
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB2	12	1.26
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB3	12	1.26
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG11	16	1.26
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG12	16	1.26
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG13	16	1.26
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG21	15	1.26
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG22	15	1.26
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG23	15	1.26
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG21	6	1.26
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG22	6	1.26
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG23	6	1.26
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG21	6	1.26
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG22	6	1.26
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG23	6	1.26
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG21	6	1.26
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG22	6	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG23	6	1.26
(1,688)	1:480:A:LEU:HD11	1:481:A:LYS:H	8	1.26
(1,688)	1:480:A:LEU:HD12	1:481:A:LYS:H	8	1.26
(1,688)	1:480:A:LEU:HD13	1:481:A:LYS:H	8	1.26
(1,688)	1:480:A:LEU:HD21	1:481:A:LYS:H	8	1.26
(1,688)	1:480:A:LEU:HD22	1:481:A:LYS:H	8	1.26
(1,688)	1:480:A:LEU:HD23	1:481:A:LYS:H	8	1.26
(1,656)	1:474:A:LYS:HA	1:474:A:LYS:HG2	7	1.26
(1,656)	1:474:A:LYS:HA	1:474:A:LYS:HG2	9	1.26
(1,584)	1:428:A:PHE:H	1:428:A:PHE:HB3	17	1.26
(1,540)	1:454:A:ASP:H	1:454:A:ASP:HB3	7	1.26
(1,518)	1:430:A:ASN:HA	1:430:A:ASN:HD22	8	1.26
(1,507)	1:454:A:ASP:H	1:455:A:ASN:H	18	1.26
(1,476)	1:445:A:SER:H	1:445:A:SER:HB2	8	1.26
(1,465)	1:422:A:LEU:HB3	1:423:A:GLN:H	20	1.26
(1,432)	1:463:A:ILE:HB	1:464:A:GLN:H	5	1.26
(1,415)	1:441:A:GLN:H	1:441:A:GLN:HB3	2	1.26
(1,372)	1:458:A:SER:H	1:458:A:SER:HB2	7	1.26
(1,347)	1:408:A:PHE:H	1:408:A:PHE:HB2	13	1.26
(1,341)	1:466:A:MET:HB2	1:467:A:ASN:H	12	1.26
(1,341)	1:466:A:MET:HB3	1:467:A:ASN:H	12	1.26
(1,294)	1:409:A:ILE:HD11	1:450:A:PHE:H	4	1.26
(1,294)	1:409:A:ILE:HD12	1:450:A:PHE:H	4	1.26
(1,294)	1:409:A:ILE:HD13	1:450:A:PHE:H	4	1.26
(1,241)	1:399:A:LYS:HB2	1:400:A:GLU:H	8	1.26
(1,241)	1:399:A:LYS:HB3	1:400:A:GLU:H	8	1.26
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD11	5	1.26
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD12	5	1.26
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD13	5	1.26
(1,178)	1:419:A:GLN:HA	1:422:A:LEU:H	5	1.26
(1,166)	1:463:A:ILE:HG21	1:480:A:LEU:H	19	1.26
(1,166)	1:463:A:ILE:HG22	1:480:A:LEU:H	19	1.26
(1,166)	1:463:A:ILE:HG23	1:480:A:LEU:H	19	1.26
(1,158)	1:407:A:LEU:H	1:407:A:LEU:HB3	6	1.26
(1,154)	1:406:A:ASN:HB3	1:407:A:LEU:H	5	1.26
(1,122)	1:473:A:MET:H	1:473:A:MET:HB2	3	1.26
(1,122)	1:473:A:MET:H	1:473:A:MET:HB2	7	1.26
(1,116)	1:490:A:TYR:H	1:490:A:TYR:HB2	12	1.26
(1,110)	1:476:A:LEU:HB2	1:477:A:LYS:H	18	1.26
(1,110)	1:476:A:LEU:HB3	1:477:A:LYS:H	18	1.26
(1,96)	1:451:A:VAL:H	1:451:A:VAL:HB	11	1.26
(1,96)	1:451:A:VAL:H	1:451:A:VAL:HB	13	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:480:A:LEU:HD11	1:481:A:LYS:H	8	1.26
(1,91)	1:480:A:LEU:HD12	1:481:A:LYS:H	8	1.26
(1,91)	1:480:A:LEU:HD13	1:481:A:LYS:H	8	1.26
(1,91)	1:480:A:LEU:HD21	1:481:A:LYS:H	8	1.26
(1,91)	1:480:A:LEU:HD22	1:481:A:LYS:H	8	1.26
(1,91)	1:480:A:LEU:HD23	1:481:A:LYS:H	8	1.26
(1,39)	1:477:A:LYS:HB2	1:478:A:VAL:H	13	1.26
(1,39)	1:477:A:LYS:HB3	1:478:A:VAL:H	13	1.26
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD11	17	1.26
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD12	17	1.26
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD13	17	1.26
(1,17)	1:431:A:VAL:HG21	1:432:A:ILE:H	9	1.26
(1,17)	1:431:A:VAL:HG22	1:432:A:ILE:H	9	1.26
(1,17)	1:431:A:VAL:HG23	1:432:A:ILE:H	9	1.26
(1,15)	1:432:A:ILE:H	1:432:A:ILE:HB	14	1.26
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD1	7	1.25
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD2	7	1.25
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD1	7	1.25
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD2	7	1.25
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD1	16	1.25
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD2	16	1.25
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD1	16	1.25
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD2	16	1.25
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB1	13	1.25
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB2	13	1.25
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB3	13	1.25
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB1	13	1.25
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB2	13	1.25
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB3	13	1.25
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD1	1	1.25
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD2	1	1.25
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD1	1	1.25
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD2	1	1.25
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD1	1	1.25
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD2	1	1.25
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD1	12	1.25
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD2	12	1.25
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD1	12	1.25
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD2	12	1.25
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD1	12	1.25
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD2	12	1.25
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	6	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	6	1.25
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	6	1.25
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	6	1.25
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	6	1.25
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	6	1.25
(1,1532)	1:422:A:LEU:HA	1:422:A:LEU:HG	10	1.25
(1,1532)	1:422:A:LEU:HA	1:422:A:LEU:HG	12	1.25
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD2	10	1.25
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD3	10	1.25
(1,1458)	1:414:A:GLN:HA	1:414:A:GLN:HG2	12	1.25
(1,1394)	1:463:A:ILE:HG21	1:464:A:GLN:HA	1	1.25
(1,1394)	1:463:A:ILE:HG22	1:464:A:GLN:HA	1	1.25
(1,1394)	1:463:A:ILE:HG23	1:464:A:GLN:HA	1	1.25
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	3	1.25
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	3	1.25
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	3	1.25
(1,1169)	1:462:A:ALA:HA	1:465:A:ALA:H	13	1.25
(1,1167)	1:400:A:GLU:H	1:400:A:GLU:HB2	3	1.25
(1,1167)	1:400:A:GLU:H	1:400:A:GLU:HB2	5	1.25
(1,1136)	1:456:A:PRO:HB2	1:457:A:VAL:H	13	1.25
(1,1136)	1:456:A:PRO:HB2	1:457:A:VAL:H	15	1.25
(1,1136)	1:456:A:PRO:HB2	1:457:A:VAL:H	17	1.25
(1,1125)	1:436:A:VAL:H	1:436:A:VAL:HB	8	1.25
(1,1125)	1:436:A:VAL:H	1:436:A:VAL:HB	19	1.25
(1,1101)	1:477:A:LYS:HB2	1:478:A:VAL:H	17	1.25
(1,1101)	1:477:A:LYS:HB3	1:478:A:VAL:H	17	1.25
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	14	1.25
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	14	1.25
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	14	1.25
(1,1073)	1:432:A:ILE:HD11	1:454:A:ASP:H	9	1.25
(1,1073)	1:432:A:ILE:HD12	1:454:A:ASP:H	9	1.25
(1,1073)	1:432:A:ILE:HD13	1:454:A:ASP:H	9	1.25
(1,1069)	1:432:A:ILE:HD11	1:454:A:ASP:HA	7	1.25
(1,1069)	1:432:A:ILE:HD12	1:454:A:ASP:HA	7	1.25
(1,1069)	1:432:A:ILE:HD13	1:454:A:ASP:HA	7	1.25
(1,1057)	1:451:A:VAL:H	1:451:A:VAL:HB	1	1.25
(1,1057)	1:451:A:VAL:H	1:451:A:VAL:HB	8	1.25
(1,1056)	1:451:A:VAL:HB	1:452:A:SER:H	9	1.25
(1,1032)	1:430:A:ASN:HB2	1:454:A:ASP:H	7	1.25
(1,1032)	1:430:A:ASN:HB3	1:454:A:ASP:H	7	1.25
(1,1019)	1:432:A:ILE:H	1:432:A:ILE:HB	13	1.25
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG21	3	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG22	3	1.25
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG23	3	1.25
(1,941)	1:409:A:ILE:HB	1:410:A:TYR:H	15	1.25
(1,940)	1:486:A:ASP:H	1:486:A:ASP:HB2	14	1.25
(1,885)	1:433:A:SER:HB2	1:434:A:ALA:H	9	1.25
(1,880)	1:480:A:LEU:HB2	1:481:A:LYS:H	19	1.25
(1,880)	1:480:A:LEU:HB3	1:481:A:LYS:H	19	1.25
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	18	1.25
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	18	1.25
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	18	1.25
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	18	1.25
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	18	1.25
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	18	1.25
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	18	1.25
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	18	1.25
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	18	1.25
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG11	1	1.25
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG12	1	1.25
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG13	1	1.25
(1,824)	1:436:A:VAL:HG11	1:437:A:PHE:H	2	1.25
(1,824)	1:436:A:VAL:HG12	1:437:A:PHE:H	2	1.25
(1,824)	1:436:A:VAL:HG13	1:437:A:PHE:H	2	1.25
(1,824)	1:436:A:VAL:HG11	1:437:A:PHE:H	8	1.25
(1,824)	1:436:A:VAL:HG12	1:437:A:PHE:H	8	1.25
(1,824)	1:436:A:VAL:HG13	1:437:A:PHE:H	8	1.25
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	18	1.25
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	18	1.25
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	18	1.25
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	18	1.25
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	18	1.25
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	18	1.25
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	18	1.25
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	18	1.25
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	18	1.25
(1,815)	1:434:A:ALA:HB1	1:435:A:LYS:HA	10	1.25
(1,815)	1:434:A:ALA:HB2	1:435:A:LYS:HA	10	1.25
(1,815)	1:434:A:ALA:HB3	1:435:A:LYS:HA	10	1.25
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG11	13	1.25
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG12	13	1.25
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG13	13	1.25
(1,770)	1:457:A:VAL:HG11	1:458:A:SER:HB3	15	1.25
(1,770)	1:457:A:VAL:HG12	1:458:A:SER:HB3	15	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,770)	1:457:A:VAL:HG13	1:458:A:SER:HB3	15	1.25
(1,770)	1:457:A:VAL:HG21	1:458:A:SER:HB3	15	1.25
(1,770)	1:457:A:VAL:HG22	1:458:A:SER:HB3	15	1.25
(1,770)	1:457:A:VAL:HG23	1:458:A:SER:HB3	15	1.25
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG21	18	1.25
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG22	18	1.25
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG23	18	1.25
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG11	19	1.25
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG12	19	1.25
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG13	19	1.25
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG21	14	1.25
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG22	14	1.25
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG23	14	1.25
(1,659)	1:480:A:LEU:HG	1:481:A:LYS:H	10	1.25
(1,586)	1:427:A:PRO:HG2	1:428:A:PHE:H	4	1.25
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG11	18	1.25
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG12	18	1.25
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG13	18	1.25
(1,540)	1:454:A:ASP:H	1:454:A:ASP:HB3	20	1.25
(1,507)	1:454:A:ASP:H	1:455:A:ASN:H	7	1.25
(1,478)	1:444:A:LEU:HB2	1:445:A:SER:H	6	1.25
(1,421)	1:462:A:ALA:HA	1:465:A:ALA:H	13	1.25
(1,415)	1:441:A:GLN:H	1:441:A:GLN:HB3	4	1.25
(1,382)	1:444:A:LEU:H	1:444:A:LEU:HB3	2	1.25
(1,382)	1:444:A:LEU:H	1:444:A:LEU:HB3	12	1.25
(1,358)	1:460:A:GLN:HA	1:463:A:ILE:H	11	1.25
(1,348)	1:408:A:PHE:H	1:408:A:PHE:HB3	7	1.25
(1,348)	1:408:A:PHE:H	1:408:A:PHE:HB3	19	1.25
(1,288)	1:450:A:PHE:H	1:450:A:PHE:HB3	18	1.25
(1,274)	1:456:A:PRO:HB2	1:457:A:VAL:H	13	1.25
(1,274)	1:456:A:PRO:HB2	1:457:A:VAL:H	15	1.25
(1,274)	1:456:A:PRO:HB2	1:457:A:VAL:H	17	1.25
(1,271)	1:456:A:PRO:HD2	1:457:A:VAL:H	3	1.25
(1,262)	1:486:A:ASP:H	1:486:A:ASP:HB2	14	1.25
(1,240)	1:400:A:GLU:H	1:400:A:GLU:HB2	3	1.25
(1,240)	1:400:A:GLU:H	1:400:A:GLU:HB2	5	1.25
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG21	3	1.25
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG22	3	1.25
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG23	3	1.25
(1,225)	1:418:A:ASP:H	1:418:A:ASP:HB2	3	1.25
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG11	1	1.25
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG12	1	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG13	1	1.25
(1,193)	1:436:A:VAL:H	1:436:A:VAL:HB	8	1.25
(1,193)	1:436:A:VAL:H	1:436:A:VAL:HB	19	1.25
(1,166)	1:463:A:ILE:HG21	1:480:A:LEU:H	16	1.25
(1,166)	1:463:A:ILE:HG22	1:480:A:LEU:H	16	1.25
(1,166)	1:463:A:ILE:HG23	1:480:A:LEU:H	16	1.25
(1,122)	1:473:A:MET:H	1:473:A:MET:HB2	4	1.25
(1,122)	1:473:A:MET:H	1:473:A:MET:HB2	20	1.25
(1,110)	1:476:A:LEU:HB2	1:477:A:LYS:H	1	1.25
(1,110)	1:476:A:LEU:HB3	1:477:A:LYS:H	1	1.25
(1,96)	1:451:A:VAL:H	1:451:A:VAL:HB	1	1.25
(1,96)	1:451:A:VAL:H	1:451:A:VAL:HB	8	1.25
(1,64)	1:436:A:VAL:HG11	1:437:A:PHE:H	2	1.25
(1,64)	1:436:A:VAL:HG12	1:437:A:PHE:H	2	1.25
(1,64)	1:436:A:VAL:HG13	1:437:A:PHE:H	2	1.25
(1,64)	1:436:A:VAL:HG11	1:437:A:PHE:H	8	1.25
(1,64)	1:436:A:VAL:HG12	1:437:A:PHE:H	8	1.25
(1,64)	1:436:A:VAL:HG13	1:437:A:PHE:H	8	1.25
(1,39)	1:477:A:LYS:HB2	1:478:A:VAL:H	17	1.25
(1,39)	1:477:A:LYS:HB3	1:478:A:VAL:H	17	1.25
(1,17)	1:431:A:VAL:HG21	1:432:A:ILE:H	6	1.25
(1,17)	1:431:A:VAL:HG22	1:432:A:ILE:H	6	1.25
(1,17)	1:431:A:VAL:HG23	1:432:A:ILE:H	6	1.25
(1,15)	1:432:A:ILE:H	1:432:A:ILE:HB	13	1.25
(1,1)	1:469:A:PHE:HD1	1:470:A:GLN:H	18	1.25
(1,1)	1:469:A:PHE:HD2	1:470:A:GLN:H	18	1.25
(1,1591)	1:411:A:HIS:HB3	1:411:A:HIS:HD2	9	1.24
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD1	11	1.24
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD2	11	1.24
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD1	11	1.24
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD2	11	1.24
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD1	11	1.24
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD2	11	1.24
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD1	11	1.24
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD2	11	1.24
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD1	11	1.24
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD2	11	1.24
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD1	11	1.24
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD2	11	1.24
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	6	1.24
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	6	1.24
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	6	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	6	1.24
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	6	1.24
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	6	1.24
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB1	10	1.24
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB2	10	1.24
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB3	10	1.24
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB1	10	1.24
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB2	10	1.24
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB3	10	1.24
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB1	18	1.24
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB2	18	1.24
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB3	18	1.24
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB1	18	1.24
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB2	18	1.24
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB3	18	1.24
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD1	8	1.24
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD2	8	1.24
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD1	2	1.24
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD2	2	1.24
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	19	1.24
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	19	1.24
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	19	1.24
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	19	1.24
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	19	1.24
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	19	1.24
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	19	1.24
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	19	1.24
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	19	1.24
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	19	1.24
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	19	1.24
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	19	1.24
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB1	18	1.24
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB2	18	1.24
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB3	18	1.24
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB1	18	1.24
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB2	18	1.24
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB3	18	1.24
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	18	1.24
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	18	1.24
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	18	1.24
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	18	1.24
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	18	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	18	1.24
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG21	16	1.24
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG22	16	1.24
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG23	16	1.24
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD2	5	1.24
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD3	5	1.24
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD2	3	1.24
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD3	3	1.24
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD2	5	1.24
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD3	5	1.24
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG21	13	1.24
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG22	13	1.24
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG23	13	1.24
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG21	13	1.24
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG22	13	1.24
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG23	13	1.24
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB1	8	1.24
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB2	8	1.24
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB3	8	1.24
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB1	8	1.24
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB2	8	1.24
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB3	8	1.24
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	2	1.24
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	2	1.24
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	2	1.24
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	2	1.24
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	18	1.24
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	18	1.24
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	18	1.24
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD1	7	1.24
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD2	7	1.24
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD1	7	1.24
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD2	7	1.24
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD1	7	1.24
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD2	7	1.24
(1,1167)	1:400:A:GLU:H	1:400:A:GLU:HB2	8	1.24
(1,1160)	1:459:A:ALA:HA	1:462:A:ALA:H	5	1.24
(1,1125)	1:436:A:VAL:H	1:436:A:VAL:HB	12	1.24
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	1	1.24
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	1	1.24
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	1	1.24
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	5	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	5	1.24
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	5	1.24
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD11	20	1.24
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD12	20	1.24
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD13	20	1.24
(1,1031)	1:430:A:ASN:HB2	1:431:A:VAL:H	1	1.24
(1,1031)	1:430:A:ASN:HB3	1:431:A:VAL:H	1	1.24
(1,1005)	1:425:A:PHE:HB2	1:426:A:MET:H	17	1.24
(1,997)	1:485:A:ASN:HB2	1:486:A:ASP:H	15	1.24
(1,984)	1:416:A:PHE:HB2	1:417:A:GLY:H	5	1.24
(1,984)	1:416:A:PHE:HB2	1:417:A:GLY:H	10	1.24
(1,984)	1:416:A:PHE:HB2	1:417:A:GLY:H	20	1.24
(1,940)	1:486:A:ASP:H	1:486:A:ASP:HB2	10	1.24
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	11	1.24
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	11	1.24
(1,928)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	11	1.24
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	11	1.24
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	11	1.24
(1,928)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	11	1.24
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	11	1.24
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	11	1.24
(1,928)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	11	1.24
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	3	1.24
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	3	1.24
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG21	4	1.24
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG22	4	1.24
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG23	4	1.24
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG21	19	1.24
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG22	19	1.24
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG23	19	1.24
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	7	1.24
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	7	1.24
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	7	1.24
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	7	1.24
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	7	1.24
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	7	1.24
(1,838)	1:451:A:VAL:HG11	1:452:A:SER:H	16	1.24
(1,838)	1:451:A:VAL:HG12	1:452:A:SER:H	16	1.24
(1,838)	1:451:A:VAL:HG13	1:452:A:SER:H	16	1.24
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB1	11	1.24
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB2	11	1.24
(1,819)	1:421:A:ILE:HG21	1:434:A:ALA:HB3	11	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB1	11	1.24
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB2	11	1.24
(1,819)	1:421:A:ILE:HG22	1:434:A:ALA:HB3	11	1.24
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB1	11	1.24
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB2	11	1.24
(1,819)	1:421:A:ILE:HG23	1:434:A:ALA:HB3	11	1.24
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG11	18	1.24
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG12	18	1.24
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG13	18	1.24
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG11	5	1.24
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG12	5	1.24
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG13	5	1.24
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG21	16	1.24
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG22	16	1.24
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG23	16	1.24
(1,770)	1:457:A:VAL:HG11	1:458:A:SER:HB3	1	1.24
(1,770)	1:457:A:VAL:HG12	1:458:A:SER:HB3	1	1.24
(1,770)	1:457:A:VAL:HG13	1:458:A:SER:HB3	1	1.24
(1,770)	1:457:A:VAL:HG21	1:458:A:SER:HB3	1	1.24
(1,770)	1:457:A:VAL:HG22	1:458:A:SER:HB3	1	1.24
(1,770)	1:457:A:VAL:HG23	1:458:A:SER:HB3	1	1.24
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD11	15	1.24
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD12	15	1.24
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD13	15	1.24
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD21	15	1.24
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD22	15	1.24
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD23	15	1.24
(1,691)	1:480:A:LEU:HD11	1:481:A:LYS:HB3	20	1.24
(1,691)	1:480:A:LEU:HD12	1:481:A:LYS:HB3	20	1.24
(1,691)	1:480:A:LEU:HD13	1:481:A:LYS:HB3	20	1.24
(1,691)	1:480:A:LEU:HD21	1:481:A:LYS:HB3	20	1.24
(1,691)	1:480:A:LEU:HD22	1:481:A:LYS:HB3	20	1.24
(1,691)	1:480:A:LEU:HD23	1:481:A:LYS:HB3	20	1.24
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG2	20	1.24
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG3	20	1.24
(1,591)	1:448:A:PHE:HB2	1:449:A:GLY:H	9	1.24
(1,591)	1:448:A:PHE:HB3	1:449:A:GLY:H	9	1.24
(1,584)	1:428:A:PHE:H	1:428:A:PHE:HB3	2	1.24
(1,584)	1:428:A:PHE:H	1:428:A:PHE:HB3	4	1.24
(1,577)	1:401:A:GLY:H	1:452:A:SER:HB2	19	1.24
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG21	7	1.24
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG22	7	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG23	7	1.24
(1,512)	1:454:A:ASP:HB3	1:455:A:ASN:H	4	1.24
(1,507)	1:454:A:ASP:H	1:455:A:ASN:H	5	1.24
(1,496)	1:455:A:ASN:HA	1:455:A:ASN:HD22	14	1.24
(1,439)	1:421:A:ILE:H	1:421:A:ILE:HG13	14	1.24
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD11	15	1.24
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD12	15	1.24
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD13	15	1.24
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD21	15	1.24
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD22	15	1.24
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD23	15	1.24
(1,382)	1:444:A:LEU:H	1:444:A:LEU:HB3	20	1.24
(1,348)	1:408:A:PHE:H	1:408:A:PHE:HB3	11	1.24
(1,341)	1:466:A:MET:HB2	1:467:A:ASN:H	1	1.24
(1,341)	1:466:A:MET:HB3	1:467:A:ASN:H	1	1.24
(1,341)	1:466:A:MET:HB2	1:467:A:ASN:H	6	1.24
(1,341)	1:466:A:MET:HB3	1:467:A:ASN:H	6	1.24
(1,324)	1:451:A:VAL:HG11	1:452:A:SER:H	16	1.24
(1,324)	1:451:A:VAL:HG12	1:452:A:SER:H	16	1.24
(1,324)	1:451:A:VAL:HG13	1:452:A:SER:H	16	1.24
(1,314)	1:474:A:LYS:HD2	1:475:A:ARG:H	19	1.24
(1,314)	1:474:A:LYS:HD3	1:475:A:ARG:H	19	1.24
(1,312)	1:474:A:LYS:HB3	1:475:A:ARG:H	4	1.24
(1,310)	1:475:A:ARG:H	1:475:A:ARG:HD2	20	1.24
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG21	4	1.24
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG22	4	1.24
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG23	4	1.24
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG21	19	1.24
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG22	19	1.24
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG23	19	1.24
(1,262)	1:486:A:ASP:H	1:486:A:ASP:HB2	10	1.24
(1,240)	1:400:A:GLU:H	1:400:A:GLU:HB2	8	1.24
(1,225)	1:418:A:ASP:H	1:418:A:ASP:HB2	7	1.24
(1,225)	1:418:A:ASP:H	1:418:A:ASP:HB2	19	1.24
(1,214)	1:459:A:ALA:HA	1:462:A:ALA:H	5	1.24
(1,193)	1:436:A:VAL:H	1:436:A:VAL:HB	12	1.24
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD2	4	1.24
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD3	4	1.24
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD11	10	1.24
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD12	10	1.24
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD13	10	1.24
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD21	10	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD22	10	1.24
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD23	10	1.24
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD11	11	1.24
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD12	11	1.24
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD13	11	1.24
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD21	11	1.24
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD22	11	1.24
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD23	11	1.24
(1,166)	1:463:A:ILE:HG21	1:480:A:LEU:H	3	1.24
(1,166)	1:463:A:ILE:HG22	1:480:A:LEU:H	3	1.24
(1,166)	1:463:A:ILE:HG23	1:480:A:LEU:H	3	1.24
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD1	12	1.24
(1,140)	1:410:A:TYR:H	1:410:A:TYR:HD2	12	1.24
(1,122)	1:473:A:MET:H	1:473:A:MET:HB2	8	1.24
(1,122)	1:473:A:MET:H	1:473:A:MET:HB2	12	1.24
(1,89)	1:481:A:LYS:H	1:481:A:LYS:HB2	4	1.24
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD1	6	1.23
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD2	6	1.23
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	10	1.23
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	10	1.23
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	10	1.23
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	10	1.23
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	10	1.23
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	10	1.23
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG21	14	1.23
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG22	14	1.23
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG23	14	1.23
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD11	6	1.23
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD12	6	1.23
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD13	6	1.23
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	12	1.23
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	12	1.23
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	12	1.23
(1,1319)	1:434:A:ALA:HB1	1:451:A:VAL:HA	6	1.23
(1,1319)	1:434:A:ALA:HB2	1:451:A:VAL:HA	6	1.23
(1,1319)	1:434:A:ALA:HB3	1:451:A:VAL:HA	6	1.23
(1,1319)	1:434:A:ALA:HB1	1:451:A:VAL:HA	18	1.23
(1,1319)	1:434:A:ALA:HB2	1:451:A:VAL:HA	18	1.23
(1,1319)	1:434:A:ALA:HB3	1:451:A:VAL:HA	18	1.23
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG21	2	1.23
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG22	2	1.23
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG23	2	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1240)	1:432:A:ILE:HG12	1:454:A:ASP:H	8	1.23
(1,1240)	1:432:A:ILE:HG13	1:454:A:ASP:H	8	1.23
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD2	12	1.23
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD3	12	1.23
(1,1169)	1:462:A:ALA:HA	1:465:A:ALA:H	11	1.23
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG21	13	1.23
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG22	13	1.23
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG23	13	1.23
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG21	17	1.23
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG22	17	1.23
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG23	17	1.23
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	7	1.23
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	7	1.23
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	7	1.23
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	9	1.23
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	9	1.23
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	9	1.23
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	13	1.23
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	13	1.23
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	13	1.23
(1,1069)	1:432:A:ILE:HD11	1:454:A:ASP:HA	9	1.23
(1,1069)	1:432:A:ILE:HD12	1:454:A:ASP:HA	9	1.23
(1,1069)	1:432:A:ILE:HD13	1:454:A:ASP:HA	9	1.23
(1,1019)	1:432:A:ILE:H	1:432:A:ILE:HB	17	1.23
(1,1019)	1:432:A:ILE:H	1:432:A:ILE:HB	20	1.23
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB1	12	1.23
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB2	12	1.23
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB3	12	1.23
(1,984)	1:416:A:PHE:HB2	1:417:A:GLY:H	2	1.23
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG21	17	1.23
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG22	17	1.23
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG23	17	1.23
(1,939)	1:486:A:ASP:H	1:486:A:ASP:HB3	3	1.23
(1,885)	1:433:A:SER:HB2	1:434:A:ALA:H	15	1.23
(1,880)	1:480:A:LEU:HB2	1:481:A:LYS:H	20	1.23
(1,880)	1:480:A:LEU:HB3	1:481:A:LYS:H	20	1.23
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG21	17	1.23
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG22	17	1.23
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG23	17	1.23
(1,838)	1:451:A:VAL:HG11	1:452:A:SER:H	9	1.23
(1,838)	1:451:A:VAL:HG12	1:452:A:SER:H	9	1.23
(1,838)	1:451:A:VAL:HG13	1:452:A:SER:H	9	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG21	12	1.23
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG22	12	1.23
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG23	12	1.23
(1,815)	1:434:A:ALA:HB1	1:435:A:LYS:HA	7	1.23
(1,815)	1:434:A:ALA:HB2	1:435:A:LYS:HA	7	1.23
(1,815)	1:434:A:ALA:HB3	1:435:A:LYS:HA	7	1.23
(1,815)	1:434:A:ALA:HB1	1:435:A:LYS:HA	20	1.23
(1,815)	1:434:A:ALA:HB2	1:435:A:LYS:HA	20	1.23
(1,815)	1:434:A:ALA:HB3	1:435:A:LYS:HA	20	1.23
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB2	16	1.23
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB3	16	1.23
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB2	16	1.23
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB3	16	1.23
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB2	16	1.23
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB3	16	1.23
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG21	14	1.23
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG22	14	1.23
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG23	14	1.23
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	6	1.23
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	6	1.23
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	6	1.23
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	6	1.23
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	6	1.23
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	6	1.23
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	6	1.23
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	6	1.23
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	6	1.23
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	6	1.23
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	6	1.23
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	6	1.23
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	6	1.23
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	6	1.23
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	6	1.23
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	6	1.23
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	6	1.23
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	6	1.23
(1,591)	1:448:A:PHE:HB2	1:449:A:GLY:H	2	1.23
(1,591)	1:448:A:PHE:HB3	1:449:A:GLY:H	2	1.23
(1,584)	1:428:A:PHE:H	1:428:A:PHE:HB3	9	1.23
(1,577)	1:401:A:GLY:H	1:452:A:SER:HB2	11	1.23
(1,540)	1:454:A:ASP:H	1:454:A:ASP:HB3	5	1.23
(1,540)	1:454:A:ASP:H	1:454:A:ASP:HB3	12	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,540)	1:454:A:ASP:H	1:454:A:ASP:HB3	15	1.23
(1,478)	1:444:A:LEU:HB2	1:445:A:SER:H	5	1.23
(1,465)	1:422:A:LEU:HB3	1:423:A:GLN:H	11	1.23
(1,451)	1:460:A:GLN:H	1:480:A:LEU:HG	14	1.23
(1,445)	1:418:A:ASP:HB2	1:419:A:GLN:H	20	1.23
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD11	6	1.23
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD12	6	1.23
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD13	6	1.23
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD21	6	1.23
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD22	6	1.23
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD23	6	1.23
(1,421)	1:462:A:ALA:HA	1:465:A:ALA:H	11	1.23
(1,415)	1:441:A:GLN:H	1:441:A:GLN:HB3	14	1.23
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG21	17	1.23
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG22	17	1.23
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG23	17	1.23
(1,348)	1:408:A:PHE:H	1:408:A:PHE:HB3	3	1.23
(1,348)	1:408:A:PHE:H	1:408:A:PHE:HB3	6	1.23
(1,324)	1:451:A:VAL:HG11	1:452:A:SER:H	9	1.23
(1,324)	1:451:A:VAL:HG12	1:452:A:SER:H	9	1.23
(1,324)	1:451:A:VAL:HG13	1:452:A:SER:H	9	1.23
(1,280)	1:458:A:SER:HB2	1:459:A:ALA:H	6	1.23
(1,279)	1:458:A:SER:HB3	1:459:A:ALA:H	11	1.23
(1,267)	1:409:A:ILE:H	1:409:A:ILE:HG12	11	1.23
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG21	17	1.23
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG22	17	1.23
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG23	17	1.23
(1,261)	1:486:A:ASP:H	1:486:A:ASP:HB3	3	1.23
(1,248)	1:405:A:ALA:HB1	1:453:A:TYR:H	13	1.23
(1,248)	1:405:A:ALA:HB2	1:453:A:TYR:H	13	1.23
(1,248)	1:405:A:ALA:HB3	1:453:A:TYR:H	13	1.23
(1,247)	1:452:A:SER:HB3	1:453:A:TYR:H	10	1.23
(1,204)	1:416:A:PHE:H	1:416:A:PHE:HB3	2	1.23
(1,204)	1:416:A:PHE:H	1:416:A:PHE:HB3	10	1.23
(1,204)	1:416:A:PHE:H	1:416:A:PHE:HB3	17	1.23
(1,122)	1:473:A:MET:H	1:473:A:MET:HB2	9	1.23
(1,110)	1:476:A:LEU:HB2	1:477:A:LYS:H	3	1.23
(1,110)	1:476:A:LEU:HB3	1:477:A:LYS:H	3	1.23
(1,110)	1:476:A:LEU:HB2	1:477:A:LYS:H	5	1.23
(1,110)	1:476:A:LEU:HB3	1:477:A:LYS:H	5	1.23
(1,110)	1:476:A:LEU:HB2	1:477:A:LYS:H	19	1.23
(1,110)	1:476:A:LEU:HB3	1:477:A:LYS:H	19	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,89)	1:481:A:LYS:H	1:481:A:LYS:HB2	15	1.23
(1,67)	1:436:A:VAL:HB	1:437:A:PHE:H	17	1.23
(1,17)	1:431:A:VAL:HG21	1:432:A:ILE:H	1	1.23
(1,17)	1:431:A:VAL:HG22	1:432:A:ILE:H	1	1.23
(1,17)	1:431:A:VAL:HG23	1:432:A:ILE:H	1	1.23
(1,15)	1:432:A:ILE:H	1:432:A:ILE:HB	17	1.23
(1,15)	1:432:A:ILE:H	1:432:A:ILE:HB	20	1.23
(1,1590)	1:411:A:HIS:HB2	1:411:A:HIS:HD2	11	1.22
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD1	9	1.22
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD2	9	1.22
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD1	9	1.22
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD2	9	1.22
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD1	7	1.22
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD2	7	1.22
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD1	16	1.22
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD2	16	1.22
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD1	18	1.22
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD2	18	1.22
(1,1537)	1:448:A:PHE:HD1	1:449:A:GLY:H	2	1.22
(1,1537)	1:448:A:PHE:HD2	1:449:A:GLY:H	2	1.22
(1,1537)	1:448:A:PHE:HD1	1:449:A:GLY:H	20	1.22
(1,1537)	1:448:A:PHE:HD2	1:449:A:GLY:H	20	1.22
(1,1532)	1:422:A:LEU:HA	1:422:A:LEU:HG	5	1.22
(1,1532)	1:422:A:LEU:HA	1:422:A:LEU:HG	13	1.22
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD1	9	1.22
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD2	9	1.22
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD2	16	1.22
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD3	16	1.22
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD2	16	1.22
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD3	16	1.22
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	13	1.22
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	13	1.22
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	13	1.22
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	13	1.22
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	13	1.22
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	13	1.22
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	13	1.22
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	13	1.22
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	13	1.22
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	8	1.22
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	8	1.22
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	8	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	8	1.22
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	13	1.22
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	13	1.22
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	13	1.22
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	13	1.22
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	13	1.22
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	13	1.22
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	13	1.22
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	13	1.22
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	13	1.22
(1,1319)	1:434:A:ALA:HB1	1:451:A:VAL:HA	2	1.22
(1,1319)	1:434:A:ALA:HB2	1:451:A:VAL:HA	2	1.22
(1,1319)	1:434:A:ALA:HB3	1:451:A:VAL:HA	2	1.22
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG2	4	1.22
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG3	4	1.22
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG2	10	1.22
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG3	10	1.22
(1,1214)	1:415:A:GLU:H	1:415:A:GLU:HB2	11	1.22
(1,1159)	1:459:A:ALA:HA	1:461:A:ALA:HA	6	1.22
(1,1101)	1:477:A:LYS:HB2	1:478:A:VAL:H	9	1.22
(1,1101)	1:477:A:LYS:HB3	1:478:A:VAL:H	9	1.22
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	12	1.22
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	12	1.22
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	12	1.22
(1,1069)	1:432:A:ILE:HD11	1:454:A:ASP:HA	2	1.22
(1,1069)	1:432:A:ILE:HD12	1:454:A:ASP:HA	2	1.22
(1,1069)	1:432:A:ILE:HD13	1:454:A:ASP:HA	2	1.22
(1,1057)	1:451:A:VAL:H	1:451:A:VAL:HB	18	1.22
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD11	1	1.22
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD12	1	1.22
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD13	1	1.22
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD11	14	1.22
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD12	14	1.22
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD13	14	1.22
(1,1031)	1:430:A:ASN:HB2	1:431:A:VAL:H	16	1.22
(1,1031)	1:430:A:ASN:HB3	1:431:A:VAL:H	16	1.22
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD11	6	1.22
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD12	6	1.22
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD13	6	1.22
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD11	6	1.22
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD12	6	1.22
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD13	6	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD11	6	1.22
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD12	6	1.22
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD13	6	1.22
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD11	6	1.22
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD12	6	1.22
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD13	6	1.22
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD11	6	1.22
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD12	6	1.22
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD13	6	1.22
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD11	6	1.22
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD12	6	1.22
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD13	6	1.22
(1,1019)	1:432:A:ILE:H	1:432:A:ILE:HB	4	1.22
(1,973)	1:471:A:ILE:HG21	1:472:A:GLY:H	10	1.22
(1,973)	1:471:A:ILE:HG22	1:472:A:GLY:H	10	1.22
(1,973)	1:471:A:ILE:HG23	1:472:A:GLY:H	10	1.22
(1,942)	1:409:A:ILE:HB	1:449:A:GLY:H	12	1.22
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG21	7	1.22
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG22	7	1.22
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG23	7	1.22
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB2	13	1.22
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB3	13	1.22
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB2	13	1.22
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB3	13	1.22
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB2	13	1.22
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB3	13	1.22
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB1	4	1.22
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB2	4	1.22
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB3	4	1.22
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB1	4	1.22
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB2	4	1.22
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB3	4	1.22
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB1	4	1.22
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB2	4	1.22
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB3	4	1.22
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG21	7	1.22
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG22	7	1.22
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG23	7	1.22
(1,672)	1:444:A:LEU:H	1:444:A:LEU:HG	3	1.22
(1,591)	1:448:A:PHE:HB2	1:449:A:GLY:H	14	1.22
(1,591)	1:448:A:PHE:HB3	1:449:A:GLY:H	14	1.22
(1,563)	1:410:A:TYR:HB3	1:411:A:HIS:H	7	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,540)	1:454:A:ASP:H	1:454:A:ASP:HB3	10	1.22
(1,540)	1:454:A:ASP:H	1:454:A:ASP:HB3	14	1.22
(1,503)	1:410:A:TYR:HA	1:412:A:LEU:H	5	1.22
(1,503)	1:410:A:TYR:HA	1:412:A:LEU:H	18	1.22
(1,486)	1:406:A:ASN:H	1:406:A:ASN:HB2	7	1.22
(1,485)	1:406:A:ASN:H	1:406:A:ASN:HB3	9	1.22
(1,445)	1:418:A:ASP:HB2	1:419:A:GLN:H	7	1.22
(1,406)	1:471:A:ILE:HG21	1:472:A:GLY:H	10	1.22
(1,406)	1:471:A:ILE:HG22	1:472:A:GLY:H	10	1.22
(1,406)	1:471:A:ILE:HG23	1:472:A:GLY:H	10	1.22
(1,394)	1:430:A:ASN:H	1:453:A:TYR:HE1	15	1.22
(1,394)	1:430:A:ASN:H	1:453:A:TYR:HE2	15	1.22
(1,384)	1:444:A:LEU:H	1:444:A:LEU:HG	3	1.22
(1,383)	1:444:A:LEU:H	1:444:A:LEU:HB2	14	1.22
(1,383)	1:444:A:LEU:H	1:444:A:LEU:HB2	15	1.22
(1,348)	1:408:A:PHE:H	1:408:A:PHE:HB3	16	1.22
(1,280)	1:458:A:SER:HB2	1:459:A:ALA:H	20	1.22
(1,267)	1:409:A:ILE:H	1:409:A:ILE:HG12	7	1.22
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG21	7	1.22
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG22	7	1.22
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG23	7	1.22
(1,241)	1:399:A:LYS:HB2	1:400:A:GLU:H	14	1.22
(1,241)	1:399:A:LYS:HB3	1:400:A:GLU:H	14	1.22
(1,225)	1:418:A:ASP:H	1:418:A:ASP:HB2	6	1.22
(1,204)	1:416:A:PHE:H	1:416:A:PHE:HB3	5	1.22
(1,204)	1:416:A:PHE:H	1:416:A:PHE:HB3	7	1.22
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD11	20	1.22
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD12	20	1.22
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD13	20	1.22
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD21	20	1.22
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD22	20	1.22
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD23	20	1.22
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG11	18	1.22
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG12	18	1.22
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG13	18	1.22
(1,122)	1:473:A:MET:H	1:473:A:MET:HB2	2	1.22
(1,122)	1:473:A:MET:H	1:473:A:MET:HB2	17	1.22
(1,110)	1:476:A:LEU:HB2	1:477:A:LYS:H	13	1.22
(1,110)	1:476:A:LEU:HB3	1:477:A:LYS:H	13	1.22
(1,110)	1:476:A:LEU:HB2	1:477:A:LYS:H	16	1.22
(1,110)	1:476:A:LEU:HB3	1:477:A:LYS:H	16	1.22
(1,96)	1:451:A:VAL:H	1:451:A:VAL:HB	18	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,89)	1:481:A:LYS:H	1:481:A:LYS:HB2	18	1.22
(1,67)	1:436:A:VAL:HB	1:437:A:PHE:H	13	1.22
(1,52)	1:471:A:ILE:H	1:474:A:LYS:H	5	1.22
(1,41)	1:467:A:ASN:HA	1:478:A:VAL:H	15	1.22
(1,39)	1:477:A:LYS:HB2	1:478:A:VAL:H	9	1.22
(1,39)	1:477:A:LYS:HB3	1:478:A:VAL:H	9	1.22
(1,15)	1:432:A:ILE:H	1:432:A:ILE:HB	4	1.22
(1,1)	1:469:A:PHE:HD1	1:470:A:GLN:H	3	1.22
(1,1)	1:469:A:PHE:HD2	1:470:A:GLN:H	3	1.22
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD1	4	1.21
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD2	4	1.21
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD1	13	1.21
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD2	13	1.21
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	10	1.21
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	10	1.21
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	10	1.21
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	10	1.21
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	10	1.21
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	10	1.21
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD1	20	1.21
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD2	20	1.21
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD1	4	1.21
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD2	4	1.21
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD1	4	1.21
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD2	4	1.21
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD1	4	1.21
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD2	4	1.21
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD1	14	1.21
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD2	14	1.21
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD1	14	1.21
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD2	14	1.21
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD1	14	1.21
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD2	14	1.21
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD1	18	1.21
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD2	18	1.21
(1,1532)	1:422:A:LEU:HA	1:422:A:LEU:HG	16	1.21
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD2	3	1.21
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD3	3	1.21
(1,1490)	1:438:A:ILE:HG21	1:443:A:ASN:HA	1	1.21
(1,1490)	1:438:A:ILE:HG22	1:443:A:ASN:HA	1	1.21
(1,1490)	1:438:A:ILE:HG23	1:443:A:ASN:HA	1	1.21
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG21	10	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG22	10	1.21
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG23	10	1.21
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG21	10	1.21
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG22	10	1.21
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG23	10	1.21
(1,1458)	1:414:A:GLN:HA	1:414:A:GLN:HG2	17	1.21
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG21	16	1.21
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG22	16	1.21
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG23	16	1.21
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG21	16	1.21
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG22	16	1.21
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG23	16	1.21
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	7	1.21
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	7	1.21
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	7	1.21
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	7	1.21
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	7	1.21
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	7	1.21
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	7	1.21
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	7	1.21
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	7	1.21
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG11	8	1.21
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG12	8	1.21
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG13	8	1.21
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	7	1.21
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	7	1.21
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	7	1.21
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	7	1.21
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	7	1.21
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	7	1.21
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	7	1.21
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	7	1.21
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	7	1.21
(1,1239)	1:432:A:ILE:HG12	1:433:A:SER:H	18	1.21
(1,1239)	1:432:A:ILE:HG13	1:433:A:SER:H	18	1.21
(1,1201)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	20	1.21
(1,1201)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	20	1.21
(1,1192)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	2	1.21
(1,1188)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	2	1.21
(1,1167)	1:400:A:GLU:H	1:400:A:GLU:HB2	14	1.21
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG2	19	1.21
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG3	19	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1136)	1:456:A:PRO:HB2	1:457:A:VAL:H	12	1.21
(1,1121)	1:410:A:TYR:HA	1:449:A:GLY:H	13	1.21
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG21	9	1.21
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG22	9	1.21
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG23	9	1.21
(1,1079)	1:423:A:GLN:HA	1:426:A:MET:H	9	1.21
(1,1069)	1:432:A:ILE:HD11	1:454:A:ASP:HA	11	1.21
(1,1069)	1:432:A:ILE:HD12	1:454:A:ASP:HA	11	1.21
(1,1069)	1:432:A:ILE:HD13	1:454:A:ASP:HA	11	1.21
(1,1057)	1:451:A:VAL:H	1:451:A:VAL:HB	10	1.21
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD11	2	1.21
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD12	2	1.21
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD13	2	1.21
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	10	1.21
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	10	1.21
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	10	1.21
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	10	1.21
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	10	1.21
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	10	1.21
(1,1023)	1:421:A:ILE:HB	1:422:A:LEU:H	9	1.21
(1,987)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	1	1.21
(1,987)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	1	1.21
(1,973)	1:471:A:ILE:HG21	1:472:A:GLY:H	6	1.21
(1,973)	1:471:A:ILE:HG22	1:472:A:GLY:H	6	1.21
(1,973)	1:471:A:ILE:HG23	1:472:A:GLY:H	6	1.21
(1,963)	1:420:A:ASP:H	1:420:A:ASP:HB3	7	1.21
(1,954)	1:463:A:ILE:HG21	1:464:A:GLN:H	5	1.21
(1,954)	1:463:A:ILE:HG22	1:464:A:GLN:H	5	1.21
(1,954)	1:463:A:ILE:HG23	1:464:A:GLN:H	5	1.21
(1,940)	1:486:A:ASP:H	1:486:A:ASP:HB2	15	1.21
(1,838)	1:451:A:VAL:HG11	1:452:A:SER:H	15	1.21
(1,838)	1:451:A:VAL:HG12	1:452:A:SER:H	15	1.21
(1,838)	1:451:A:VAL:HG13	1:452:A:SER:H	15	1.21
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG11	20	1.21
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG12	20	1.21
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG13	20	1.21
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD11	5	1.21
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD12	5	1.21
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD13	5	1.21
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD21	5	1.21
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD22	5	1.21
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD23	5	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD11	10	1.21
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD12	10	1.21
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD13	10	1.21
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD21	10	1.21
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD22	10	1.21
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD23	10	1.21
(1,720)	1:444:A:LEU:HD11	1:445:A:SER:H	12	1.21
(1,720)	1:444:A:LEU:HD12	1:445:A:SER:H	12	1.21
(1,720)	1:444:A:LEU:HD13	1:445:A:SER:H	12	1.21
(1,720)	1:444:A:LEU:HD21	1:445:A:SER:H	12	1.21
(1,720)	1:444:A:LEU:HD22	1:445:A:SER:H	12	1.21
(1,720)	1:444:A:LEU:HD23	1:445:A:SER:H	12	1.21
(1,720)	1:444:A:LEU:HD11	1:445:A:SER:H	13	1.21
(1,720)	1:444:A:LEU:HD12	1:445:A:SER:H	13	1.21
(1,720)	1:444:A:LEU:HD13	1:445:A:SER:H	13	1.21
(1,720)	1:444:A:LEU:HD21	1:445:A:SER:H	13	1.21
(1,720)	1:444:A:LEU:HD22	1:445:A:SER:H	13	1.21
(1,720)	1:444:A:LEU:HD23	1:445:A:SER:H	13	1.21
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG21	13	1.21
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG22	13	1.21
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG23	13	1.21
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG2	6	1.21
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG3	6	1.21
(1,656)	1:474:A:LYS:HA	1:474:A:LYS:HG2	8	1.21
(1,605)	1:426:A:MET:HA	1:429:A:GLY:H	18	1.21
(1,591)	1:448:A:PHE:HB2	1:449:A:GLY:H	4	1.21
(1,591)	1:448:A:PHE:HB3	1:449:A:GLY:H	4	1.21
(1,590)	1:410:A:TYR:HA	1:449:A:GLY:H	13	1.21
(1,584)	1:428:A:PHE:H	1:428:A:PHE:HB3	13	1.21
(1,584)	1:428:A:PHE:H	1:428:A:PHE:HB3	15	1.21
(1,584)	1:428:A:PHE:H	1:428:A:PHE:HB3	19	1.21
(1,570)	1:419:A:GLN:HE21	1:420:A:ASP:H	8	1.21
(1,540)	1:454:A:ASP:H	1:454:A:ASP:HB3	13	1.21
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG21	15	1.21
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG22	15	1.21
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG23	15	1.21
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG21	16	1.21
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG22	16	1.21
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG23	16	1.21
(1,507)	1:454:A:ASP:H	1:455:A:ASN:H	19	1.21
(1,503)	1:410:A:TYR:HA	1:412:A:LEU:H	15	1.21
(1,485)	1:406:A:ASN:H	1:406:A:ASN:HB3	15	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:444:A:LEU:HD11	1:445:A:SER:H	12	1.21
(1,479)	1:444:A:LEU:HD12	1:445:A:SER:H	12	1.21
(1,479)	1:444:A:LEU:HD13	1:445:A:SER:H	12	1.21
(1,479)	1:444:A:LEU:HD21	1:445:A:SER:H	12	1.21
(1,479)	1:444:A:LEU:HD22	1:445:A:SER:H	12	1.21
(1,479)	1:444:A:LEU:HD23	1:445:A:SER:H	12	1.21
(1,479)	1:444:A:LEU:HD11	1:445:A:SER:H	13	1.21
(1,479)	1:444:A:LEU:HD12	1:445:A:SER:H	13	1.21
(1,479)	1:444:A:LEU:HD13	1:445:A:SER:H	13	1.21
(1,479)	1:444:A:LEU:HD21	1:445:A:SER:H	13	1.21
(1,479)	1:444:A:LEU:HD22	1:445:A:SER:H	13	1.21
(1,479)	1:444:A:LEU:HD23	1:445:A:SER:H	13	1.21
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD11	2	1.21
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD12	2	1.21
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD13	2	1.21
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD21	2	1.21
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD22	2	1.21
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD23	2	1.21
(1,429)	1:463:A:ILE:H	1:464:A:GLN:H	12	1.21
(1,406)	1:471:A:ILE:HG21	1:472:A:GLY:H	6	1.21
(1,406)	1:471:A:ILE:HG22	1:472:A:GLY:H	6	1.21
(1,406)	1:471:A:ILE:HG23	1:472:A:GLY:H	6	1.21
(1,386)	1:420:A:ASP:H	1:420:A:ASP:HB3	7	1.21
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD11	5	1.21
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD12	5	1.21
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD13	5	1.21
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD21	5	1.21
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD22	5	1.21
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD23	5	1.21
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD11	10	1.21
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD12	10	1.21
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD13	10	1.21
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD21	10	1.21
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD22	10	1.21
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD23	10	1.21
(1,383)	1:444:A:LEU:H	1:444:A:LEU:HB2	19	1.21
(1,382)	1:444:A:LEU:H	1:444:A:LEU:HB3	9	1.21
(1,348)	1:408:A:PHE:H	1:408:A:PHE:HB3	1	1.21
(1,348)	1:408:A:PHE:H	1:408:A:PHE:HB3	4	1.21
(1,348)	1:408:A:PHE:H	1:408:A:PHE:HB3	8	1.21
(1,347)	1:408:A:PHE:H	1:408:A:PHE:HB2	5	1.21
(1,324)	1:451:A:VAL:HG11	1:452:A:SER:H	15	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,324)	1:451:A:VAL:HG12	1:452:A:SER:H	15	1.21
(1,324)	1:451:A:VAL:HG13	1:452:A:SER:H	15	1.21
(1,294)	1:409:A:ILE:HD11	1:450:A:PHE:H	17	1.21
(1,294)	1:409:A:ILE:HD12	1:450:A:PHE:H	17	1.21
(1,294)	1:409:A:ILE:HD13	1:450:A:PHE:H	17	1.21
(1,274)	1:456:A:PRO:HB2	1:457:A:VAL:H	12	1.21
(1,262)	1:486:A:ASP:H	1:486:A:ASP:HB2	15	1.21
(1,247)	1:452:A:SER:HB3	1:453:A:TYR:H	12	1.21
(1,240)	1:400:A:GLU:H	1:400:A:GLU:HB2	14	1.21
(1,232)	1:438:A:ILE:H	1:438:A:ILE:HB	3	1.21
(1,204)	1:416:A:PHE:H	1:416:A:PHE:HB3	1	1.21
(1,171)	1:483:A:SER:H	1:484:A:LYS:H	5	1.21
(1,110)	1:476:A:LEU:HB2	1:477:A:LYS:H	10	1.21
(1,110)	1:476:A:LEU:HB3	1:477:A:LYS:H	10	1.21
(1,110)	1:476:A:LEU:HB2	1:477:A:LYS:H	14	1.21
(1,110)	1:476:A:LEU:HB3	1:477:A:LYS:H	14	1.21
(1,96)	1:451:A:VAL:H	1:451:A:VAL:HB	10	1.21
(1,57)	1:470:A:GLN:HG2	1:471:A:ILE:H	9	1.21
(1,57)	1:470:A:GLN:HG3	1:471:A:ILE:H	9	1.21
(1,22)	1:423:A:GLN:HA	1:426:A:MET:H	9	1.21
(1,17)	1:431:A:VAL:HG21	1:432:A:ILE:H	12	1.21
(1,17)	1:431:A:VAL:HG22	1:432:A:ILE:H	12	1.21
(1,17)	1:431:A:VAL:HG23	1:432:A:ILE:H	12	1.21
(1,17)	1:431:A:VAL:HG21	1:432:A:ILE:H	13	1.21
(1,17)	1:431:A:VAL:HG22	1:432:A:ILE:H	13	1.21
(1,17)	1:431:A:VAL:HG23	1:432:A:ILE:H	13	1.21
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD1	5	1.2
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD2	5	1.2
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB1	1	1.2
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB2	1	1.2
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB3	1	1.2
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB1	1	1.2
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB2	1	1.2
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB3	1	1.2
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	2	1.2
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	2	1.2
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	2	1.2
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	2	1.2
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	2	1.2
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	2	1.2
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD1	1	1.2
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD2	1	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD1	4	1.2
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD2	4	1.2
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD1	12	1.2
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD2	12	1.2
(1,1532)	1:422:A:LEU:HA	1:422:A:LEU:HG	2	1.2
(1,1520)	1:434:A:ALA:HA	1:451:A:VAL:HA	19	1.2
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD1	3	1.2
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD2	3	1.2
(1,1506)	1:426:A:MET:HE1	1:430:A:ASN:HA	11	1.2
(1,1506)	1:426:A:MET:HE2	1:430:A:ASN:HA	11	1.2
(1,1506)	1:426:A:MET:HE3	1:430:A:ASN:HA	11	1.2
(1,1473)	1:398:A:GLN:HA	1:398:A:GLN:HG2	8	1.2
(1,1458)	1:414:A:GLN:HA	1:414:A:GLN:HG2	1	1.2
(1,1458)	1:414:A:GLN:HA	1:414:A:GLN:HG2	6	1.2
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE1	11	1.2
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE2	11	1.2
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE3	11	1.2
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	6	1.2
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	6	1.2
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	6	1.2
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	6	1.2
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	6	1.2
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	6	1.2
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	6	1.2
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	6	1.2
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	6	1.2
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	6	1.2
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	6	1.2
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	6	1.2
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	6	1.2
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	6	1.2
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	6	1.2
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	6	1.2
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	6	1.2
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	6	1.2
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD11	12	1.2
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD12	12	1.2
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD13	12	1.2
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	6	1.2
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	6	1.2
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	6	1.2
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	6	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	6	1.2
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	6	1.2
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	6	1.2
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	6	1.2
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	6	1.2
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	6	1.2
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	6	1.2
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	6	1.2
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	6	1.2
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	6	1.2
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	6	1.2
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	6	1.2
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	6	1.2
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	6	1.2
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD2	15	1.2
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD3	15	1.2
(1,1201)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	17	1.2
(1,1201)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	17	1.2
(1,1167)	1:400:A:GLU:H	1:400:A:GLU:HB2	2	1.2
(1,1167)	1:400:A:GLU:H	1:400:A:GLU:HB2	15	1.2
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB2	18	1.2
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB3	18	1.2
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB2	18	1.2
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB3	18	1.2
(1,1101)	1:477:A:LYS:HB2	1:478:A:VAL:H	15	1.2
(1,1101)	1:477:A:LYS:HB3	1:478:A:VAL:H	15	1.2
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	20	1.2
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	20	1.2
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	20	1.2
(1,1073)	1:432:A:ILE:HD11	1:454:A:ASP:H	10	1.2
(1,1073)	1:432:A:ILE:HD12	1:454:A:ASP:H	10	1.2
(1,1073)	1:432:A:ILE:HD13	1:454:A:ASP:H	10	1.2
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD11	9	1.2
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD12	9	1.2
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD13	9	1.2
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD11	15	1.2
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD12	15	1.2
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD13	15	1.2
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD11	5	1.2
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD12	5	1.2
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD13	5	1.2
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD11	15	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD12	15	1.2
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD13	15	1.2
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD11	18	1.2
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD12	18	1.2
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD13	18	1.2
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	2	1.2
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	2	1.2
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	2	1.2
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	2	1.2
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	2	1.2
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	2	1.2
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD11	13	1.2
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD12	13	1.2
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD13	13	1.2
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD11	13	1.2
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD12	13	1.2
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD13	13	1.2
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD11	13	1.2
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD12	13	1.2
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD13	13	1.2
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD11	13	1.2
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD12	13	1.2
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD13	13	1.2
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD11	13	1.2
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD12	13	1.2
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD13	13	1.2
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD11	13	1.2
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD12	13	1.2
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD13	13	1.2
(1,997)	1:485:A:ASN:HB2	1:486:A:ASP:H	10	1.2
(1,987)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	10	1.2
(1,987)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	10	1.2
(1,984)	1:416:A:PHE:HB2	1:417:A:GLY:H	6	1.2
(1,984)	1:416:A:PHE:HB2	1:417:A:GLY:H	17	1.2
(1,954)	1:463:A:ILE:HG21	1:464:A:GLN:H	20	1.2
(1,954)	1:463:A:ILE:HG22	1:464:A:GLN:H	20	1.2
(1,954)	1:463:A:ILE:HG23	1:464:A:GLN:H	20	1.2
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG21	16	1.2
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG22	16	1.2
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG23	16	1.2
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	8	1.2
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	8	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	8	1.2
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	8	1.2
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	8	1.2
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	8	1.2
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	8	1.2
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	8	1.2
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	8	1.2
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB1	2	1.2
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB2	2	1.2
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB3	2	1.2
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB1	19	1.2
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB2	19	1.2
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB3	19	1.2
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	8	1.2
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	8	1.2
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	8	1.2
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	8	1.2
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	8	1.2
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	8	1.2
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	8	1.2
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	8	1.2
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	8	1.2
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG11	14	1.2
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG12	14	1.2
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG13	14	1.2
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG21	16	1.2
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG22	16	1.2
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG23	16	1.2
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG21	16	1.2
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG22	16	1.2
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG23	16	1.2
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG21	16	1.2
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG22	16	1.2
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG23	16	1.2
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG21	16	1.2
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG22	16	1.2
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG23	16	1.2
(1,710)	1:478:A:VAL:HG21	1:479:A:GLN:H	13	1.2
(1,710)	1:478:A:VAL:HG22	1:479:A:GLN:H	13	1.2
(1,710)	1:478:A:VAL:HG23	1:479:A:GLN:H	13	1.2
(1,605)	1:426:A:MET:HA	1:429:A:GLY:H	13	1.2
(1,591)	1:448:A:PHE:HB2	1:449:A:GLY:H	7	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,591)	1:448:A:PHE:HB3	1:449:A:GLY:H	7	1.2
(1,584)	1:428:A:PHE:H	1:428:A:PHE:HB3	14	1.2
(1,546)	1:404:A:GLY:H	1:406:A:ASN:HD22	10	1.2
(1,496)	1:455:A:ASN:HA	1:455:A:ASN:HD22	15	1.2
(1,485)	1:406:A:ASN:H	1:406:A:ASN:HB3	12	1.2
(1,467)	1:422:A:LEU:HD11	1:423:A:GLN:H	8	1.2
(1,467)	1:422:A:LEU:HD12	1:423:A:GLN:H	8	1.2
(1,467)	1:422:A:LEU:HD13	1:423:A:GLN:H	8	1.2
(1,467)	1:422:A:LEU:HD21	1:423:A:GLN:H	8	1.2
(1,467)	1:422:A:LEU:HD22	1:423:A:GLN:H	8	1.2
(1,467)	1:422:A:LEU:HD23	1:423:A:GLN:H	8	1.2
(1,439)	1:421:A:ILE:H	1:421:A:ILE:HG13	20	1.2
(1,438)	1:420:A:ASP:HB3	1:421:A:ILE:H	4	1.2
(1,438)	1:420:A:ASP:HB3	1:421:A:ILE:H	12	1.2
(1,415)	1:441:A:GLN:H	1:441:A:GLN:HB3	19	1.2
(1,383)	1:444:A:LEU:H	1:444:A:LEU:HB2	17	1.2
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG21	16	1.2
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG22	16	1.2
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG23	16	1.2
(1,358)	1:460:A:GLN:HA	1:463:A:ILE:H	2	1.2
(1,348)	1:408:A:PHE:H	1:408:A:PHE:HB3	18	1.2
(1,341)	1:466:A:MET:HB2	1:467:A:ASN:H	13	1.2
(1,341)	1:466:A:MET:HB3	1:467:A:ASN:H	13	1.2
(1,294)	1:409:A:ILE:HD11	1:450:A:PHE:H	16	1.2
(1,294)	1:409:A:ILE:HD12	1:450:A:PHE:H	16	1.2
(1,294)	1:409:A:ILE:HD13	1:450:A:PHE:H	16	1.2
(1,240)	1:400:A:GLU:H	1:400:A:GLU:HB2	2	1.2
(1,240)	1:400:A:GLU:H	1:400:A:GLU:HB2	15	1.2
(1,225)	1:418:A:ASP:H	1:418:A:ASP:HB2	5	1.2
(1,225)	1:418:A:ASP:H	1:418:A:ASP:HB2	15	1.2
(1,225)	1:418:A:ASP:H	1:418:A:ASP:HB2	16	1.2
(1,204)	1:416:A:PHE:H	1:416:A:PHE:HB3	18	1.2
(1,166)	1:463:A:ILE:HG21	1:480:A:LEU:H	9	1.2
(1,166)	1:463:A:ILE:HG22	1:480:A:LEU:H	9	1.2
(1,166)	1:463:A:ILE:HG23	1:480:A:LEU:H	9	1.2
(1,158)	1:407:A:LEU:H	1:407:A:LEU:HB3	4	1.2
(1,118)	1:478:A:VAL:HG21	1:479:A:GLN:H	13	1.2
(1,118)	1:478:A:VAL:HG22	1:479:A:GLN:H	13	1.2
(1,118)	1:478:A:VAL:HG23	1:479:A:GLN:H	13	1.2
(1,57)	1:470:A:GLN:HG2	1:471:A:ILE:H	8	1.2
(1,57)	1:470:A:GLN:HG3	1:471:A:ILE:H	8	1.2
(1,52)	1:471:A:ILE:H	1:474:A:LYS:H	7	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,39)	1:477:A:LYS:HB2	1:478:A:VAL:H	15	1.2
(1,39)	1:477:A:LYS:HB3	1:478:A:VAL:H	15	1.2
(1,17)	1:431:A:VAL:HG21	1:432:A:ILE:H	20	1.2
(1,17)	1:431:A:VAL:HG22	1:432:A:ILE:H	20	1.2
(1,17)	1:431:A:VAL:HG23	1:432:A:ILE:H	20	1.2
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD1	18	1.19
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD2	18	1.19
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD1	5	1.19
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD2	5	1.19
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD1	13	1.19
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD2	13	1.19
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD1	13	1.19
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD2	13	1.19
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD1	13	1.19
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD2	13	1.19
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD1	4	1.19
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD2	4	1.19
(1,1532)	1:422:A:LEU:HA	1:422:A:LEU:HG	1	1.19
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD2	3	1.19
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD3	3	1.19
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG11	13	1.19
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG12	13	1.19
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG13	13	1.19
(1,1490)	1:438:A:ILE:HG21	1:443:A:ASN:HA	17	1.19
(1,1490)	1:438:A:ILE:HG22	1:443:A:ASN:HA	17	1.19
(1,1490)	1:438:A:ILE:HG23	1:443:A:ASN:HA	17	1.19
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD2	3	1.19
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD3	3	1.19
(1,1459)	1:414:A:GLN:HA	1:414:A:GLN:HG3	8	1.19
(1,1458)	1:414:A:GLN:HA	1:414:A:GLN:HG2	5	1.19
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE1	10	1.19
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE2	10	1.19
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE3	10	1.19
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD1	20	1.19
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD2	20	1.19
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	11	1.19
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	11	1.19
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	11	1.19
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	11	1.19
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	11	1.19
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	11	1.19
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	11	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	11	1.19
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	11	1.19
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	11	1.19
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	11	1.19
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	11	1.19
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	11	1.19
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	11	1.19
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	11	1.19
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	11	1.19
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	11	1.19
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	11	1.19
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB1	5	1.19
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB2	5	1.19
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB3	5	1.19
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB1	5	1.19
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB2	5	1.19
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB3	5	1.19
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB1	5	1.19
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB2	5	1.19
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB3	5	1.19
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG2	15	1.19
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG3	15	1.19
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG2	18	1.19
(1,1251)	1:481:A:LYS:HA	1:481:A:LYS:HG3	18	1.19
(1,1239)	1:432:A:ILE:HG12	1:433:A:SER:H	12	1.19
(1,1239)	1:432:A:ILE:HG13	1:433:A:SER:H	12	1.19
(1,1192)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	1	1.19
(1,1188)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	1	1.19
(1,1159)	1:459:A:ALA:HA	1:461:A:ALA:HA	3	1.19
(1,1159)	1:459:A:ALA:HA	1:461:A:ALA:HA	12	1.19
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG2	17	1.19
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG3	17	1.19
(1,1104)	1:441:A:GLN:HA	1:441:A:GLN:HG2	14	1.19
(1,1103)	1:441:A:GLN:HA	1:441:A:GLN:HG3	18	1.19
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	10	1.19
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	10	1.19
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	10	1.19
(1,1057)	1:451:A:VAL:H	1:451:A:VAL:HB	2	1.19
(1,1057)	1:451:A:VAL:H	1:451:A:VAL:HB	4	1.19
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD11	8	1.19
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD12	8	1.19
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD13	8	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD11	17	1.19
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD12	17	1.19
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD13	17	1.19
(1,998)	1:485:A:ASN:HB3	1:486:A:ASP:H	13	1.19
(1,973)	1:471:A:ILE:HG21	1:472:A:GLY:H	12	1.19
(1,973)	1:471:A:ILE:HG22	1:472:A:GLY:H	12	1.19
(1,973)	1:471:A:ILE:HG23	1:472:A:GLY:H	12	1.19
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG21	8	1.19
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG22	8	1.19
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG23	8	1.19
(1,939)	1:486:A:ASP:H	1:486:A:ASP:HB3	19	1.19
(1,926)	1:406:A:ASN:HB3	1:407:A:LEU:H	10	1.19
(1,924)	1:455:A:ASN:H	1:455:A:ASN:HB3	4	1.19
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB1	18	1.19
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB2	18	1.19
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB3	18	1.19
(1,829)	1:450:A:PHE:H	1:450:A:PHE:HB2	11	1.19
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG11	20	1.19
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG12	20	1.19
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG13	20	1.19
(1,815)	1:434:A:ALA:HB1	1:435:A:LYS:HA	2	1.19
(1,815)	1:434:A:ALA:HB2	1:435:A:LYS:HA	2	1.19
(1,815)	1:434:A:ALA:HB3	1:435:A:LYS:HA	2	1.19
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG21	10	1.19
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG22	10	1.19
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG23	10	1.19
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG21	10	1.19
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG22	10	1.19
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG23	10	1.19
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG21	10	1.19
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG22	10	1.19
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG23	10	1.19
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG11	13	1.19
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG12	13	1.19
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG13	13	1.19
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	11	1.19
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	11	1.19
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	11	1.19
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	11	1.19
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	11	1.19
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	11	1.19
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	11	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	11	1.19
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	11	1.19
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	11	1.19
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	11	1.19
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	11	1.19
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	11	1.19
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	11	1.19
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	11	1.19
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	11	1.19
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	11	1.19
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	11	1.19
(1,656)	1:474:A:LYS:HA	1:474:A:LYS:HG2	13	1.19
(1,655)	1:474:A:LYS:H	1:474:A:LYS:HG3	6	1.19
(1,584)	1:428:A:PHE:H	1:428:A:PHE:HB3	5	1.19
(1,576)	1:398:A:GLN:HG2	1:398:A:GLN:HE22	9	1.19
(1,553)	1:422:A:LEU:HA	1:425:A:PHE:H	20	1.19
(1,540)	1:454:A:ASP:H	1:454:A:ASP:HB3	6	1.19
(1,514)	1:455:A:ASN:H	1:455:A:ASN:HB3	4	1.19
(1,507)	1:454:A:ASP:H	1:455:A:ASN:H	13	1.19
(1,485)	1:406:A:ASN:H	1:406:A:ASN:HB3	13	1.19
(1,485)	1:406:A:ASN:H	1:406:A:ASN:HB3	17	1.19
(1,466)	1:422:A:LEU:HB2	1:423:A:GLN:H	5	1.19
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB1	13	1.19
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB2	13	1.19
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB3	13	1.19
(1,439)	1:421:A:ILE:H	1:421:A:ILE:HG13	13	1.19
(1,412)	1:441:A:GLN:H	1:443:A:ASN:H	15	1.19
(1,406)	1:471:A:ILE:HG21	1:472:A:GLY:H	12	1.19
(1,406)	1:471:A:ILE:HG22	1:472:A:GLY:H	12	1.19
(1,406)	1:471:A:ILE:HG23	1:472:A:GLY:H	12	1.19
(1,383)	1:444:A:LEU:H	1:444:A:LEU:HB2	5	1.19
(1,370)	1:482:A:ARG:HB2	1:483:A:SER:H	19	1.19
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG21	8	1.19
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG22	8	1.19
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG23	8	1.19
(1,358)	1:460:A:GLN:HA	1:463:A:ILE:H	10	1.19
(1,329)	1:402:A:PRO:HG2	1:403:A:GLU:H	18	1.19
(1,278)	1:453:A:TYR:HD1	1:459:A:ALA:H	13	1.19
(1,278)	1:453:A:TYR:HD2	1:459:A:ALA:H	13	1.19
(1,261)	1:486:A:ASP:H	1:486:A:ASP:HB3	19	1.19
(1,248)	1:405:A:ALA:HB1	1:453:A:TYR:H	10	1.19
(1,248)	1:405:A:ALA:HB2	1:453:A:TYR:H	10	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,248)	1:405:A:ALA:HB3	1:453:A:TYR:H	10	1.19
(1,247)	1:452:A:SER:HB3	1:453:A:TYR:H	1	1.19
(1,244)	1:399:A:LYS:HD2	1:400:A:GLU:H	14	1.19
(1,244)	1:399:A:LYS:HD3	1:400:A:GLU:H	14	1.19
(1,241)	1:399:A:LYS:HB2	1:400:A:GLU:H	15	1.19
(1,241)	1:399:A:LYS:HB3	1:400:A:GLU:H	15	1.19
(1,225)	1:418:A:ASP:H	1:418:A:ASP:HB2	17	1.19
(1,204)	1:416:A:PHE:H	1:416:A:PHE:HB3	4	1.19
(1,204)	1:416:A:PHE:H	1:416:A:PHE:HB3	6	1.19
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG11	20	1.19
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG12	20	1.19
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG13	20	1.19
(1,192)	1:418:A:ASP:HB2	1:436:A:VAL:H	9	1.19
(1,158)	1:407:A:LEU:H	1:407:A:LEU:HB3	15	1.19
(1,154)	1:406:A:ASN:HB3	1:407:A:LEU:H	10	1.19
(1,133)	1:405:A:ALA:HB1	1:451:A:VAL:H	16	1.19
(1,133)	1:405:A:ALA:HB2	1:451:A:VAL:H	16	1.19
(1,133)	1:405:A:ALA:HB3	1:451:A:VAL:H	16	1.19
(1,117)	1:489:A:PRO:HG2	1:490:A:TYR:H	7	1.19
(1,110)	1:476:A:LEU:HB2	1:477:A:LYS:H	2	1.19
(1,110)	1:476:A:LEU:HB3	1:477:A:LYS:H	2	1.19
(1,96)	1:451:A:VAL:H	1:451:A:VAL:HB	2	1.19
(1,96)	1:451:A:VAL:H	1:451:A:VAL:HB	4	1.19
(1,24)	1:426:A:MET:H	1:431:A:VAL:HA	17	1.19
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	8	1.18
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	8	1.18
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	8	1.18
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	8	1.18
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	8	1.18
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	8	1.18
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD1	1	1.18
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD2	1	1.18
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	16	1.18
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	16	1.18
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	16	1.18
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	16	1.18
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	16	1.18
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	16	1.18
(1,1532)	1:422:A:LEU:HA	1:422:A:LEU:HG	19	1.18
(1,1473)	1:398:A:GLN:HA	1:398:A:GLN:HG2	15	1.18
(1,1458)	1:414:A:GLN:HA	1:414:A:GLN:HG2	2	1.18
(1,1458)	1:414:A:GLN:HA	1:414:A:GLN:HG2	7	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD1	13	1.18
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD2	13	1.18
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB1	19	1.18
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB2	19	1.18
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB3	19	1.18
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB1	19	1.18
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB2	19	1.18
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB3	19	1.18
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB1	19	1.18
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB2	19	1.18
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB3	19	1.18
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB1	19	1.18
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB2	19	1.18
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB3	19	1.18
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB1	19	1.18
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB2	19	1.18
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB3	19	1.18
(1,1349)	1:474:A:LYS:HD2	1:475:A:ARG:HD2	15	1.18
(1,1349)	1:474:A:LYS:HD3	1:475:A:ARG:HD2	15	1.18
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	6	1.18
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	6	1.18
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	6	1.18
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG11	17	1.18
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG12	17	1.18
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG13	17	1.18
(1,1319)	1:434:A:ALA:HB1	1:451:A:VAL:HA	9	1.18
(1,1319)	1:434:A:ALA:HB2	1:451:A:VAL:HA	9	1.18
(1,1319)	1:434:A:ALA:HB3	1:451:A:VAL:HA	9	1.18
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD11	17	1.18
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD12	17	1.18
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD13	17	1.18
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD21	17	1.18
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD22	17	1.18
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD23	17	1.18
(1,1167)	1:400:A:GLU:H	1:400:A:GLU:HB2	18	1.18
(1,1162)	1:453:A:TYR:HD1	1:459:A:ALA:HA	14	1.18
(1,1162)	1:453:A:TYR:HD2	1:459:A:ALA:HA	14	1.18
(1,1121)	1:410:A:TYR:HA	1:449:A:GLY:H	15	1.18
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG21	11	1.18
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG22	11	1.18
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG23	11	1.18
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG2	7	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG3	7	1.18
(1,1061)	1:409:A:ILE:HA	1:409:A:ILE:HG12	13	1.18
(1,1057)	1:451:A:VAL:H	1:451:A:VAL:HB	3	1.18
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD11	6	1.18
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD12	6	1.18
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD13	6	1.18
(1,1031)	1:430:A:ASN:HB2	1:431:A:VAL:H	13	1.18
(1,1031)	1:430:A:ASN:HB3	1:431:A:VAL:H	13	1.18
(1,1018)	1:443:A:ASN:HB3	1:443:A:ASN:HD22	4	1.18
(1,1018)	1:443:A:ASN:HB3	1:443:A:ASN:HD22	13	1.18
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	15	1.18
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	15	1.18
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	15	1.18
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	15	1.18
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	15	1.18
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	15	1.18
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG21	4	1.18
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG22	4	1.18
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG23	4	1.18
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG21	4	1.18
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG22	4	1.18
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG23	4	1.18
(1,973)	1:471:A:ILE:HG21	1:472:A:GLY:H	8	1.18
(1,973)	1:471:A:ILE:HG22	1:472:A:GLY:H	8	1.18
(1,973)	1:471:A:ILE:HG23	1:472:A:GLY:H	8	1.18
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG21	5	1.18
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG22	5	1.18
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG23	5	1.18
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG21	9	1.18
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG22	9	1.18
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG23	9	1.18
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD1	16	1.18
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD2	16	1.18
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD1	16	1.18
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD2	16	1.18
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	2	1.18
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	2	1.18
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	2	1.18
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	2	1.18
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	2	1.18
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	2	1.18
(1,838)	1:451:A:VAL:HG11	1:452:A:SER:H	17	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:451:A:VAL:HG12	1:452:A:SER:H	17	1.18
(1,838)	1:451:A:VAL:HG13	1:452:A:SER:H	17	1.18
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG21	19	1.18
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG22	19	1.18
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG23	19	1.18
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB1	3	1.18
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB2	3	1.18
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB3	3	1.18
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB2	10	1.18
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB3	10	1.18
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB2	10	1.18
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB3	10	1.18
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB2	10	1.18
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB3	10	1.18
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG21	13	1.18
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG22	13	1.18
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG23	13	1.18
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG21	14	1.18
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG22	14	1.18
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG23	14	1.18
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG21	3	1.18
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG22	3	1.18
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG23	3	1.18
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG21	3	1.18
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG22	3	1.18
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG23	3	1.18
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG21	3	1.18
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG22	3	1.18
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG23	3	1.18
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG21	13	1.18
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG22	13	1.18
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG23	13	1.18
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG21	15	1.18
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG22	15	1.18
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG23	15	1.18
(1,691)	1:480:A:LEU:HD11	1:481:A:LYS:HB3	19	1.18
(1,691)	1:480:A:LEU:HD12	1:481:A:LYS:HB3	19	1.18
(1,691)	1:480:A:LEU:HD13	1:481:A:LYS:HB3	19	1.18
(1,691)	1:480:A:LEU:HD21	1:481:A:LYS:HB3	19	1.18
(1,691)	1:480:A:LEU:HD22	1:481:A:LYS:HB3	19	1.18
(1,691)	1:480:A:LEU:HD23	1:481:A:LYS:HB3	19	1.18
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	20	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	20	1.18
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	20	1.18
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	20	1.18
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	20	1.18
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	20	1.18
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	20	1.18
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	20	1.18
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	20	1.18
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	20	1.18
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	20	1.18
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	20	1.18
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	20	1.18
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	20	1.18
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	20	1.18
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	20	1.18
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	20	1.18
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	20	1.18
(1,605)	1:426:A:MET:HA	1:429:A:GLY:H	12	1.18
(1,597)	1:441:A:GLN:HB3	1:442:A:THR:H	17	1.18
(1,590)	1:410:A:TYR:HA	1:449:A:GLY:H	15	1.18
(1,584)	1:428:A:PHE:H	1:428:A:PHE:HB3	20	1.18
(1,576)	1:398:A:GLN:HG2	1:398:A:GLN:HE22	8	1.18
(1,576)	1:398:A:GLN:HG2	1:398:A:GLN:HE22	14	1.18
(1,540)	1:454:A:ASP:H	1:454:A:ASP:HB3	3	1.18
(1,540)	1:454:A:ASP:H	1:454:A:ASP:HB3	17	1.18
(1,521)	1:433:A:SER:H	1:433:A:SER:HB3	20	1.18
(1,503)	1:410:A:TYR:HA	1:412:A:LEU:H	6	1.18
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG2	7	1.18
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG3	7	1.18
(1,485)	1:406:A:ASN:H	1:406:A:ASN:HB3	16	1.18
(1,406)	1:471:A:ILE:HG21	1:472:A:GLY:H	8	1.18
(1,406)	1:471:A:ILE:HG22	1:472:A:GLY:H	8	1.18
(1,406)	1:471:A:ILE:HG23	1:472:A:GLY:H	8	1.18
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG21	13	1.18
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG22	13	1.18
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG23	13	1.18
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG21	5	1.18
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG22	5	1.18
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG23	5	1.18
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG21	9	1.18
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG22	9	1.18
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG23	9	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,348)	1:408:A:PHE:H	1:408:A:PHE:HB3	2	1.18
(1,341)	1:466:A:MET:HB2	1:467:A:ASN:H	4	1.18
(1,341)	1:466:A:MET:HB3	1:467:A:ASN:H	4	1.18
(1,324)	1:451:A:VAL:HG11	1:452:A:SER:H	17	1.18
(1,324)	1:451:A:VAL:HG12	1:452:A:SER:H	17	1.18
(1,324)	1:451:A:VAL:HG13	1:452:A:SER:H	17	1.18
(1,286)	1:435:A:LYS:H	1:450:A:PHE:H	14	1.18
(1,279)	1:458:A:SER:HB3	1:459:A:ALA:H	17	1.18
(1,240)	1:400:A:GLU:H	1:400:A:GLU:HB2	18	1.18
(1,225)	1:418:A:ASP:H	1:418:A:ASP:HB2	4	1.18
(1,225)	1:418:A:ASP:H	1:418:A:ASP:HB2	14	1.18
(1,204)	1:416:A:PHE:H	1:416:A:PHE:HB3	20	1.18
(1,110)	1:476:A:LEU:HB2	1:477:A:LYS:H	15	1.18
(1,110)	1:476:A:LEU:HB3	1:477:A:LYS:H	15	1.18
(1,101)	1:450:A:PHE:HB3	1:451:A:VAL:H	18	1.18
(1,96)	1:451:A:VAL:H	1:451:A:VAL:HB	3	1.18
(1,84)	1:406:A:ASN:H	1:481:A:LYS:H	7	1.18
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG21	15	1.18
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG22	15	1.18
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG23	15	1.18
(1,17)	1:431:A:VAL:HG21	1:432:A:ILE:H	14	1.18
(1,17)	1:431:A:VAL:HG22	1:432:A:ILE:H	14	1.18
(1,17)	1:431:A:VAL:HG23	1:432:A:ILE:H	14	1.18
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD1	6	1.17
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD2	6	1.17
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD1	6	1.17
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD2	6	1.17
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	9	1.17
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	9	1.17
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	9	1.17
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	9	1.17
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	9	1.17
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	9	1.17
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	9	1.17
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	9	1.17
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	9	1.17
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	9	1.17
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	9	1.17
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	9	1.17
(1,1532)	1:422:A:LEU:HA	1:422:A:LEU:HG	6	1.17
(1,1498)	1:428:A:PHE:HE1	1:465:A:ALA:HA	20	1.17
(1,1498)	1:428:A:PHE:HE2	1:465:A:ALA:HA	20	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1473)	1:398:A:GLN:HA	1:398:A:GLN:HG2	20	1.17
(1,1458)	1:414:A:GLN:HA	1:414:A:GLN:HG2	10	1.17
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD1	3	1.17
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD2	3	1.17
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD1	4	1.17
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD2	4	1.17
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD1	6	1.17
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD2	6	1.17
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD1	7	1.17
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD2	7	1.17
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD1	4	1.17
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD2	4	1.17
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD11	20	1.17
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD12	20	1.17
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD13	20	1.17
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB1	10	1.17
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB2	10	1.17
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB3	10	1.17
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB1	10	1.17
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB2	10	1.17
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB3	10	1.17
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB1	10	1.17
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB2	10	1.17
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB3	10	1.17
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	14	1.17
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	14	1.17
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	14	1.17
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB1	20	1.17
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB2	20	1.17
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB3	20	1.17
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD11	8	1.17
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD12	8	1.17
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD13	8	1.17
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD21	8	1.17
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD22	8	1.17
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD23	8	1.17
(1,1239)	1:432:A:ILE:HG12	1:433:A:SER:H	10	1.17
(1,1239)	1:432:A:ILE:HG13	1:433:A:SER:H	10	1.17
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD2	4	1.17
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD3	4	1.17
(1,1192)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	4	1.17
(1,1188)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	4	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1172)	1:457:A:VAL:H	1:457:A:VAL:HB	16	1.17
(1,1167)	1:400:A:GLU:H	1:400:A:GLU:HB2	12	1.17
(1,1167)	1:400:A:GLU:H	1:400:A:GLU:HB2	17	1.17
(1,1136)	1:456:A:PRO:HB2	1:457:A:VAL:H	3	1.17
(1,1136)	1:456:A:PRO:HB2	1:457:A:VAL:H	4	1.17
(1,1125)	1:436:A:VAL:H	1:436:A:VAL:HB	11	1.17
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG21	12	1.17
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG22	12	1.17
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG23	12	1.17
(1,1056)	1:451:A:VAL:HB	1:452:A:SER:H	3	1.17
(1,1056)	1:451:A:VAL:HB	1:452:A:SER:H	11	1.17
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD11	6	1.17
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD12	6	1.17
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD13	6	1.17
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD11	7	1.17
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD12	7	1.17
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD13	7	1.17
(1,973)	1:471:A:ILE:HG21	1:472:A:GLY:H	2	1.17
(1,973)	1:471:A:ILE:HG22	1:472:A:GLY:H	2	1.17
(1,973)	1:471:A:ILE:HG23	1:472:A:GLY:H	2	1.17
(1,973)	1:471:A:ILE:HG21	1:472:A:GLY:H	14	1.17
(1,973)	1:471:A:ILE:HG22	1:472:A:GLY:H	14	1.17
(1,973)	1:471:A:ILE:HG23	1:472:A:GLY:H	14	1.17
(1,973)	1:471:A:ILE:HG21	1:472:A:GLY:H	19	1.17
(1,973)	1:471:A:ILE:HG22	1:472:A:GLY:H	19	1.17
(1,973)	1:471:A:ILE:HG23	1:472:A:GLY:H	19	1.17
(1,960)	1:432:A:ILE:HG21	1:433:A:SER:H	15	1.17
(1,960)	1:432:A:ILE:HG22	1:433:A:SER:H	15	1.17
(1,960)	1:432:A:ILE:HG23	1:433:A:SER:H	15	1.17
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG21	19	1.17
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG22	19	1.17
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG23	19	1.17
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	1	1.17
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	1	1.17
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	1	1.17
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	1	1.17
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	1	1.17
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	1	1.17
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	1	1.17
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	1	1.17
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	1	1.17
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG11	10	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG12	10	1.17
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG13	10	1.17
(1,824)	1:436:A:VAL:HG11	1:437:A:PHE:H	20	1.17
(1,824)	1:436:A:VAL:HG12	1:437:A:PHE:H	20	1.17
(1,824)	1:436:A:VAL:HG13	1:437:A:PHE:H	20	1.17
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	1	1.17
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	1	1.17
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	1	1.17
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	1	1.17
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	1	1.17
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	1	1.17
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	1	1.17
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	1	1.17
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	1	1.17
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB1	20	1.17
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB2	20	1.17
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB3	20	1.17
(1,768)	1:457:A:VAL:HG11	1:458:A:SER:HB2	11	1.17
(1,768)	1:457:A:VAL:HG12	1:458:A:SER:HB2	11	1.17
(1,768)	1:457:A:VAL:HG13	1:458:A:SER:HB2	11	1.17
(1,768)	1:457:A:VAL:HG21	1:458:A:SER:HB2	11	1.17
(1,768)	1:457:A:VAL:HG22	1:458:A:SER:HB2	11	1.17
(1,768)	1:457:A:VAL:HG23	1:458:A:SER:HB2	11	1.17
(1,720)	1:444:A:LEU:HD11	1:445:A:SER:H	4	1.17
(1,720)	1:444:A:LEU:HD12	1:445:A:SER:H	4	1.17
(1,720)	1:444:A:LEU:HD13	1:445:A:SER:H	4	1.17
(1,720)	1:444:A:LEU:HD21	1:445:A:SER:H	4	1.17
(1,720)	1:444:A:LEU:HD22	1:445:A:SER:H	4	1.17
(1,720)	1:444:A:LEU:HD23	1:445:A:SER:H	4	1.17
(1,720)	1:444:A:LEU:HD11	1:445:A:SER:H	16	1.17
(1,720)	1:444:A:LEU:HD12	1:445:A:SER:H	16	1.17
(1,720)	1:444:A:LEU:HD13	1:445:A:SER:H	16	1.17
(1,720)	1:444:A:LEU:HD21	1:445:A:SER:H	16	1.17
(1,720)	1:444:A:LEU:HD22	1:445:A:SER:H	16	1.17
(1,720)	1:444:A:LEU:HD23	1:445:A:SER:H	16	1.17
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG21	17	1.17
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG22	17	1.17
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG23	17	1.17
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	19	1.17
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	19	1.17
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	19	1.17
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	19	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	19	1.17
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	19	1.17
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	19	1.17
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	19	1.17
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	19	1.17
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	19	1.17
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	19	1.17
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	19	1.17
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD11	9	1.17
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD12	9	1.17
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD13	9	1.17
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD21	9	1.17
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD22	9	1.17
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD23	9	1.17
(1,688)	1:480:A:LEU:HD11	1:481:A:LYS:H	17	1.17
(1,688)	1:480:A:LEU:HD12	1:481:A:LYS:H	17	1.17
(1,688)	1:480:A:LEU:HD13	1:481:A:LYS:H	17	1.17
(1,688)	1:480:A:LEU:HD21	1:481:A:LYS:H	17	1.17
(1,688)	1:480:A:LEU:HD22	1:481:A:LYS:H	17	1.17
(1,688)	1:480:A:LEU:HD23	1:481:A:LYS:H	17	1.17
(1,659)	1:480:A:LEU:HG	1:481:A:LYS:H	19	1.17
(1,637)	1:476:A:LEU:HA	1:476:A:LEU:HG	7	1.17
(1,615)	1:407:A:LEU:HG	1:462:A:ALA:H	11	1.17
(1,591)	1:448:A:PHE:HB2	1:449:A:GLY:H	13	1.17
(1,591)	1:448:A:PHE:HB3	1:449:A:GLY:H	13	1.17
(1,586)	1:427:A:PRO:HG2	1:428:A:PHE:H	13	1.17
(1,561)	1:410:A:TYR:HD1	1:411:A:HIS:H	6	1.17
(1,561)	1:410:A:TYR:HD2	1:411:A:HIS:H	6	1.17
(1,546)	1:404:A:GLY:H	1:406:A:ASN:HD22	4	1.17
(1,521)	1:433:A:SER:H	1:433:A:SER:HB3	13	1.17
(1,507)	1:454:A:ASP:H	1:455:A:ASN:H	4	1.17
(1,479)	1:444:A:LEU:HD11	1:445:A:SER:H	4	1.17
(1,479)	1:444:A:LEU:HD12	1:445:A:SER:H	4	1.17
(1,479)	1:444:A:LEU:HD13	1:445:A:SER:H	4	1.17
(1,479)	1:444:A:LEU:HD21	1:445:A:SER:H	4	1.17
(1,479)	1:444:A:LEU:HD22	1:445:A:SER:H	4	1.17
(1,479)	1:444:A:LEU:HD23	1:445:A:SER:H	4	1.17
(1,479)	1:444:A:LEU:HD11	1:445:A:SER:H	16	1.17
(1,479)	1:444:A:LEU:HD12	1:445:A:SER:H	16	1.17
(1,479)	1:444:A:LEU:HD13	1:445:A:SER:H	16	1.17
(1,479)	1:444:A:LEU:HD21	1:445:A:SER:H	16	1.17
(1,479)	1:444:A:LEU:HD22	1:445:A:SER:H	16	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:444:A:LEU:HD23	1:445:A:SER:H	16	1.17
(1,478)	1:444:A:LEU:HB2	1:445:A:SER:H	1	1.17
(1,466)	1:422:A:LEU:HB2	1:423:A:GLN:H	16	1.17
(1,463)	1:420:A:ASP:HA	1:423:A:GLN:H	19	1.17
(1,406)	1:471:A:ILE:HG21	1:472:A:GLY:H	2	1.17
(1,406)	1:471:A:ILE:HG22	1:472:A:GLY:H	2	1.17
(1,406)	1:471:A:ILE:HG23	1:472:A:GLY:H	2	1.17
(1,406)	1:471:A:ILE:HG21	1:472:A:GLY:H	14	1.17
(1,406)	1:471:A:ILE:HG22	1:472:A:GLY:H	14	1.17
(1,406)	1:471:A:ILE:HG23	1:472:A:GLY:H	14	1.17
(1,406)	1:471:A:ILE:HG21	1:472:A:GLY:H	19	1.17
(1,406)	1:471:A:ILE:HG22	1:472:A:GLY:H	19	1.17
(1,406)	1:471:A:ILE:HG23	1:472:A:GLY:H	19	1.17
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG21	19	1.17
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG22	19	1.17
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG23	19	1.17
(1,348)	1:408:A:PHE:H	1:408:A:PHE:HB3	20	1.17
(1,347)	1:408:A:PHE:H	1:408:A:PHE:HB2	15	1.17
(1,341)	1:466:A:MET:HB2	1:467:A:ASN:H	9	1.17
(1,341)	1:466:A:MET:HB3	1:467:A:ASN:H	9	1.17
(1,341)	1:466:A:MET:HB2	1:467:A:ASN:H	18	1.17
(1,341)	1:466:A:MET:HB3	1:467:A:ASN:H	18	1.17
(1,341)	1:466:A:MET:HB2	1:467:A:ASN:H	20	1.17
(1,341)	1:466:A:MET:HB3	1:467:A:ASN:H	20	1.17
(1,329)	1:402:A:PRO:HG2	1:403:A:GLU:H	9	1.17
(1,310)	1:475:A:ARG:H	1:475:A:ARG:HD2	14	1.17
(1,274)	1:456:A:PRO:HB2	1:457:A:VAL:H	3	1.17
(1,274)	1:456:A:PRO:HB2	1:457:A:VAL:H	4	1.17
(1,273)	1:457:A:VAL:H	1:457:A:VAL:HB	16	1.17
(1,248)	1:405:A:ALA:HB1	1:453:A:TYR:H	20	1.17
(1,248)	1:405:A:ALA:HB2	1:453:A:TYR:H	20	1.17
(1,248)	1:405:A:ALA:HB3	1:453:A:TYR:H	20	1.17
(1,247)	1:452:A:SER:HB3	1:453:A:TYR:H	14	1.17
(1,240)	1:400:A:GLU:H	1:400:A:GLU:HB2	12	1.17
(1,240)	1:400:A:GLU:H	1:400:A:GLU:HB2	17	1.17
(1,225)	1:418:A:ASP:H	1:418:A:ASP:HB2	2	1.17
(1,225)	1:418:A:ASP:H	1:418:A:ASP:HB2	12	1.17
(1,221)	1:407:A:LEU:HG	1:462:A:ALA:H	11	1.17
(1,204)	1:416:A:PHE:H	1:416:A:PHE:HB3	3	1.17
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG11	10	1.17
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG12	10	1.17
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG13	10	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:436:A:VAL:H	1:436:A:VAL:HB	11	1.17
(1,166)	1:463:A:ILE:HG21	1:480:A:LEU:H	17	1.17
(1,166)	1:463:A:ILE:HG22	1:480:A:LEU:H	17	1.17
(1,166)	1:463:A:ILE:HG23	1:480:A:LEU:H	17	1.17
(1,121)	1:473:A:MET:H	1:473:A:MET:HG2	5	1.17
(1,110)	1:476:A:LEU:HB2	1:477:A:LYS:H	20	1.17
(1,110)	1:476:A:LEU:HB3	1:477:A:LYS:H	20	1.17
(1,100)	1:450:A:PHE:HD1	1:451:A:VAL:H	9	1.17
(1,100)	1:450:A:PHE:HD2	1:451:A:VAL:H	9	1.17
(1,91)	1:480:A:LEU:HD11	1:481:A:LYS:H	17	1.17
(1,91)	1:480:A:LEU:HD12	1:481:A:LYS:H	17	1.17
(1,91)	1:480:A:LEU:HD13	1:481:A:LYS:H	17	1.17
(1,91)	1:480:A:LEU:HD21	1:481:A:LYS:H	17	1.17
(1,91)	1:480:A:LEU:HD22	1:481:A:LYS:H	17	1.17
(1,91)	1:480:A:LEU:HD23	1:481:A:LYS:H	17	1.17
(1,64)	1:436:A:VAL:HG11	1:437:A:PHE:H	20	1.17
(1,64)	1:436:A:VAL:HG12	1:437:A:PHE:H	20	1.17
(1,64)	1:436:A:VAL:HG13	1:437:A:PHE:H	20	1.17
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG21	17	1.17
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG22	17	1.17
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG23	17	1.17
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD1	5	1.16
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD2	5	1.16
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD1	6	1.16
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD2	6	1.16
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD1	19	1.16
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD2	19	1.16
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG11	18	1.16
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG12	18	1.16
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG13	18	1.16
(1,1458)	1:414:A:GLN:HA	1:414:A:GLN:HG2	8	1.16
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD1	2	1.16
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD2	2	1.16
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE1	20	1.16
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE2	20	1.16
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE3	20	1.16
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD11	8	1.16
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD12	8	1.16
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD13	8	1.16
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD11	3	1.16
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD12	3	1.16
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD13	3	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1172)	1:457:A:VAL:H	1:457:A:VAL:HB	3	1.16
(1,1172)	1:457:A:VAL:H	1:457:A:VAL:HB	8	1.16
(1,1136)	1:456:A:PRO:HB2	1:457:A:VAL:H	7	1.16
(1,1125)	1:436:A:VAL:H	1:436:A:VAL:HB	3	1.16
(1,1103)	1:441:A:GLN:HA	1:441:A:GLN:HG3	20	1.16
(1,1098)	1:440:A:LYS:HA	1:442:A:THR:H	19	1.16
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD11	16	1.16
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD12	16	1.16
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD13	16	1.16
(1,1018)	1:443:A:ASN:HB3	1:443:A:ASN:HD22	3	1.16
(1,1018)	1:443:A:ASN:HB3	1:443:A:ASN:HD22	10	1.16
(1,973)	1:471:A:ILE:HG21	1:472:A:GLY:H	3	1.16
(1,973)	1:471:A:ILE:HG22	1:472:A:GLY:H	3	1.16
(1,973)	1:471:A:ILE:HG23	1:472:A:GLY:H	3	1.16
(1,973)	1:471:A:ILE:HG21	1:472:A:GLY:H	9	1.16
(1,973)	1:471:A:ILE:HG22	1:472:A:GLY:H	9	1.16
(1,973)	1:471:A:ILE:HG23	1:472:A:GLY:H	9	1.16
(1,954)	1:463:A:ILE:HG21	1:464:A:GLN:H	11	1.16
(1,954)	1:463:A:ILE:HG22	1:464:A:GLN:H	11	1.16
(1,954)	1:463:A:ILE:HG23	1:464:A:GLN:H	11	1.16
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG21	1	1.16
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG22	1	1.16
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG23	1	1.16
(1,941)	1:409:A:ILE:HB	1:410:A:TYR:H	10	1.16
(1,918)	1:422:A:LEU:HB3	1:434:A:ALA:HB1	3	1.16
(1,918)	1:422:A:LEU:HB3	1:434:A:ALA:HB2	3	1.16
(1,918)	1:422:A:LEU:HB3	1:434:A:ALA:HB3	3	1.16
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB1	16	1.16
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB2	16	1.16
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB3	16	1.16
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB1	16	1.16
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB2	16	1.16
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB3	16	1.16
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB1	16	1.16
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB2	16	1.16
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB3	16	1.16
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD2	3	1.16
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD3	3	1.16
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD2	5	1.16
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD3	5	1.16
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG11	13	1.16
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG12	13	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG13	13	1.16
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG11	7	1.16
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG12	7	1.16
(1,785)	1:478:A:VAL:H	1:478:A:VAL:HG13	7	1.16
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG11	18	1.16
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG12	18	1.16
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG13	18	1.16
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD2	5	1.16
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD3	5	1.16
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD2	5	1.16
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD3	5	1.16
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD2	5	1.16
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD3	5	1.16
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	16	1.16
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	16	1.16
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	16	1.16
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	16	1.16
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	16	1.16
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	16	1.16
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	16	1.16
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	16	1.16
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	16	1.16
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	16	1.16
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	16	1.16
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	16	1.16
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG2	13	1.16
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG3	13	1.16
(1,654)	1:474:A:LYS:H	1:474:A:LYS:HG2	19	1.16
(1,576)	1:398:A:GLN:HG2	1:398:A:GLN:HE22	15	1.16
(1,507)	1:454:A:ASP:H	1:455:A:ASN:H	14	1.16
(1,499)	1:467:A:ASN:HB2	1:467:A:ASN:HD22	2	1.16
(1,499)	1:467:A:ASN:HB2	1:467:A:ASN:HD22	8	1.16
(1,486)	1:406:A:ASN:H	1:406:A:ASN:HB2	8	1.16
(1,478)	1:444:A:LEU:HB2	1:445:A:SER:H	4	1.16
(1,478)	1:444:A:LEU:HB2	1:445:A:SER:H	9	1.16
(1,465)	1:422:A:LEU:HB3	1:423:A:GLN:H	18	1.16
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB1	4	1.16
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB2	4	1.16
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB3	4	1.16
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB1	15	1.16
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB2	15	1.16
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB3	15	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:438:A:ILE:HB	1:443:A:ASN:H	20	1.16
(1,414)	1:441:A:GLN:H	1:441:A:GLN:HG3	2	1.16
(1,406)	1:471:A:ILE:HG21	1:472:A:GLY:H	3	1.16
(1,406)	1:471:A:ILE:HG22	1:472:A:GLY:H	3	1.16
(1,406)	1:471:A:ILE:HG23	1:472:A:GLY:H	3	1.16
(1,406)	1:471:A:ILE:HG21	1:472:A:GLY:H	9	1.16
(1,406)	1:471:A:ILE:HG22	1:472:A:GLY:H	9	1.16
(1,406)	1:471:A:ILE:HG23	1:472:A:GLY:H	9	1.16
(1,394)	1:430:A:ASN:H	1:453:A:TYR:HE1	3	1.16
(1,394)	1:430:A:ASN:H	1:453:A:TYR:HE2	3	1.16
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG21	1	1.16
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG22	1	1.16
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG23	1	1.16
(1,278)	1:453:A:TYR:HD1	1:459:A:ALA:H	12	1.16
(1,278)	1:453:A:TYR:HD2	1:459:A:ALA:H	12	1.16
(1,274)	1:456:A:PRO:HB2	1:457:A:VAL:H	7	1.16
(1,273)	1:457:A:VAL:H	1:457:A:VAL:HB	3	1.16
(1,273)	1:457:A:VAL:H	1:457:A:VAL:HB	8	1.16
(1,247)	1:452:A:SER:HB3	1:453:A:TYR:H	6	1.16
(1,225)	1:418:A:ASP:H	1:418:A:ASP:HB2	18	1.16
(1,204)	1:416:A:PHE:H	1:416:A:PHE:HB3	9	1.16
(1,204)	1:416:A:PHE:H	1:416:A:PHE:HB3	16	1.16
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG11	13	1.16
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG12	13	1.16
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG13	13	1.16
(1,193)	1:436:A:VAL:H	1:436:A:VAL:HB	3	1.16
(1,158)	1:407:A:LEU:H	1:407:A:LEU:HB3	13	1.16
(1,158)	1:407:A:LEU:H	1:407:A:LEU:HB3	18	1.16
(1,110)	1:476:A:LEU:HB2	1:477:A:LYS:H	6	1.16
(1,110)	1:476:A:LEU:HB3	1:477:A:LYS:H	6	1.16
(1,101)	1:450:A:PHE:HB3	1:451:A:VAL:H	15	1.16
(1,67)	1:436:A:VAL:HB	1:437:A:PHE:H	3	1.16
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG21	17	1.16
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG22	17	1.16
(1,7)	1:431:A:VAL:H	1:431:A:VAL:HG23	17	1.16
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD1	14	1.15
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD2	14	1.15
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD1	15	1.15
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD2	15	1.15
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD1	14	1.15
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD2	14	1.15
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD1	11	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1539)	1:448:A:PHE:HA	1:448:A:PHE:HD2	11	1.15
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD1	13	1.15
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD2	13	1.15
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD2	8	1.15
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD3	8	1.15
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD2	8	1.15
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD3	8	1.15
(1,1464)	1:431:A:VAL:HA	1:453:A:TYR:HA	7	1.15
(1,1464)	1:431:A:VAL:HA	1:453:A:TYR:HA	15	1.15
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD11	13	1.15
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD12	13	1.15
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD13	13	1.15
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD11	16	1.15
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD12	16	1.15
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD13	16	1.15
(1,1394)	1:463:A:ILE:HG21	1:464:A:GLN:HA	7	1.15
(1,1394)	1:463:A:ILE:HG22	1:464:A:GLN:HA	7	1.15
(1,1394)	1:463:A:ILE:HG23	1:464:A:GLN:HA	7	1.15
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD2	8	1.15
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD3	8	1.15
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	2	1.15
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	2	1.15
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	2	1.15
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	3	1.15
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	3	1.15
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	3	1.15
(1,1322)	1:436:A:VAL:HG11	1:448:A:PHE:HA	14	1.15
(1,1322)	1:436:A:VAL:HG12	1:448:A:PHE:HA	14	1.15
(1,1322)	1:436:A:VAL:HG13	1:448:A:PHE:HA	14	1.15
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG21	16	1.15
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG22	16	1.15
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG23	16	1.15
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG21	16	1.15
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG22	16	1.15
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG23	16	1.15
(1,1239)	1:432:A:ILE:HG12	1:433:A:SER:H	14	1.15
(1,1239)	1:432:A:ILE:HG13	1:433:A:SER:H	14	1.15
(1,1239)	1:432:A:ILE:HG12	1:433:A:SER:H	20	1.15
(1,1239)	1:432:A:ILE:HG13	1:433:A:SER:H	20	1.15
(1,1237)	1:422:A:LEU:HG	1:423:A:GLN:H	12	1.15
(1,1192)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	12	1.15
(1,1192)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	14	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1188)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	12	1.15
(1,1188)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	14	1.15
(1,1172)	1:457:A:VAL:H	1:457:A:VAL:HB	20	1.15
(1,1169)	1:462:A:ALA:HA	1:465:A:ALA:H	3	1.15
(1,1167)	1:400:A:GLU:H	1:400:A:GLU:HB2	4	1.15
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG2	8	1.15
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG3	8	1.15
(1,1121)	1:410:A:TYR:HA	1:449:A:GLY:H	10	1.15
(1,1101)	1:477:A:LYS:HB2	1:478:A:VAL:H	3	1.15
(1,1101)	1:477:A:LYS:HB3	1:478:A:VAL:H	3	1.15
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG2	8	1.15
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG3	8	1.15
(1,1057)	1:451:A:VAL:H	1:451:A:VAL:HB	12	1.15
(1,1054)	1:400:A:GLU:HA	1:400:A:GLU:HG2	19	1.15
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD11	1	1.15
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD12	1	1.15
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD13	1	1.15
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD11	4	1.15
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD12	4	1.15
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD13	4	1.15
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD11	13	1.15
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD12	13	1.15
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD13	13	1.15
(1,1019)	1:432:A:ILE:H	1:432:A:ILE:HB	5	1.15
(1,1018)	1:443:A:ASN:HB3	1:443:A:ASN:HD22	15	1.15
(1,973)	1:471:A:ILE:HG21	1:472:A:GLY:H	11	1.15
(1,973)	1:471:A:ILE:HG22	1:472:A:GLY:H	11	1.15
(1,973)	1:471:A:ILE:HG23	1:472:A:GLY:H	11	1.15
(1,973)	1:471:A:ILE:HG21	1:472:A:GLY:H	16	1.15
(1,973)	1:471:A:ILE:HG22	1:472:A:GLY:H	16	1.15
(1,973)	1:471:A:ILE:HG23	1:472:A:GLY:H	16	1.15
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB1	5	1.15
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB2	5	1.15
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB3	5	1.15
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	3	1.15
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	3	1.15
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	3	1.15
(1,838)	1:451:A:VAL:HG11	1:452:A:SER:H	7	1.15
(1,838)	1:451:A:VAL:HG12	1:452:A:SER:H	7	1.15
(1,838)	1:451:A:VAL:HG13	1:452:A:SER:H	7	1.15
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG11	14	1.15
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG12	14	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG13	14	1.15
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD11	9	1.15
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD12	9	1.15
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD13	9	1.15
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD21	9	1.15
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD22	9	1.15
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD23	9	1.15
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG21	6	1.15
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG22	6	1.15
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG23	6	1.15
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD2	13	1.15
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD3	13	1.15
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD2	13	1.15
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD3	13	1.15
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD2	13	1.15
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD3	13	1.15
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	17	1.15
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	17	1.15
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	17	1.15
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	17	1.15
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	17	1.15
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	17	1.15
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	17	1.15
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	17	1.15
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	17	1.15
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	17	1.15
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	17	1.15
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	17	1.15
(1,688)	1:480:A:LEU:HD11	1:481:A:LYS:H	13	1.15
(1,688)	1:480:A:LEU:HD12	1:481:A:LYS:H	13	1.15
(1,688)	1:480:A:LEU:HD13	1:481:A:LYS:H	13	1.15
(1,688)	1:480:A:LEU:HD21	1:481:A:LYS:H	13	1.15
(1,688)	1:480:A:LEU:HD22	1:481:A:LYS:H	13	1.15
(1,688)	1:480:A:LEU:HD23	1:481:A:LYS:H	13	1.15
(1,672)	1:444:A:LEU:H	1:444:A:LEU:HG	11	1.15
(1,649)	1:407:A:LEU:HD11	1:479:A:GLN:HA	18	1.15
(1,649)	1:407:A:LEU:HD12	1:479:A:GLN:HA	18	1.15
(1,649)	1:407:A:LEU:HD13	1:479:A:GLN:HA	18	1.15
(1,649)	1:407:A:LEU:HD21	1:479:A:GLN:HA	18	1.15
(1,649)	1:407:A:LEU:HD22	1:479:A:GLN:HA	18	1.15
(1,649)	1:407:A:LEU:HD23	1:479:A:GLN:HA	18	1.15
(1,637)	1:476:A:LEU:HA	1:476:A:LEU:HG	17	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:410:A:TYR:HA	1:449:A:GLY:H	10	1.15
(1,588)	1:409:A:ILE:H	1:449:A:GLY:H	7	1.15
(1,588)	1:409:A:ILE:H	1:449:A:GLY:H	14	1.15
(1,540)	1:454:A:ASP:H	1:454:A:ASP:HB3	8	1.15
(1,499)	1:467:A:ASN:HB2	1:467:A:ASN:HD22	6	1.15
(1,499)	1:467:A:ASN:HB2	1:467:A:ASN:HD22	16	1.15
(1,499)	1:467:A:ASN:HB2	1:467:A:ASN:HD22	20	1.15
(1,496)	1:455:A:ASN:HA	1:455:A:ASN:HD22	11	1.15
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG2	8	1.15
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG3	8	1.15
(1,478)	1:444:A:LEU:HB2	1:445:A:SER:H	7	1.15
(1,445)	1:418:A:ASP:HB2	1:419:A:GLN:H	8	1.15
(1,421)	1:462:A:ALA:HA	1:465:A:ALA:H	3	1.15
(1,406)	1:471:A:ILE:HG21	1:472:A:GLY:H	11	1.15
(1,406)	1:471:A:ILE:HG22	1:472:A:GLY:H	11	1.15
(1,406)	1:471:A:ILE:HG23	1:472:A:GLY:H	11	1.15
(1,406)	1:471:A:ILE:HG21	1:472:A:GLY:H	16	1.15
(1,406)	1:471:A:ILE:HG22	1:472:A:GLY:H	16	1.15
(1,406)	1:471:A:ILE:HG23	1:472:A:GLY:H	16	1.15
(1,384)	1:444:A:LEU:H	1:444:A:LEU:HG	11	1.15
(1,329)	1:402:A:PRO:HG2	1:403:A:GLU:H	17	1.15
(1,324)	1:451:A:VAL:HG11	1:452:A:SER:H	7	1.15
(1,324)	1:451:A:VAL:HG12	1:452:A:SER:H	7	1.15
(1,324)	1:451:A:VAL:HG13	1:452:A:SER:H	7	1.15
(1,319)	1:474:A:LYS:H	1:474:A:LYS:HB2	13	1.15
(1,273)	1:457:A:VAL:H	1:457:A:VAL:HB	20	1.15
(1,247)	1:452:A:SER:HB3	1:453:A:TYR:H	15	1.15
(1,241)	1:399:A:LYS:HB2	1:400:A:GLU:H	10	1.15
(1,241)	1:399:A:LYS:HB3	1:400:A:GLU:H	10	1.15
(1,240)	1:400:A:GLU:H	1:400:A:GLU:HB2	4	1.15
(1,225)	1:418:A:ASP:H	1:418:A:ASP:HB2	13	1.15
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG11	14	1.15
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG12	14	1.15
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG13	14	1.15
(1,192)	1:418:A:ASP:HB2	1:436:A:VAL:H	20	1.15
(1,170)	1:483:A:SER:HB2	1:484:A:LYS:H	15	1.15
(1,170)	1:483:A:SER:HB3	1:484:A:LYS:H	15	1.15
(1,170)	1:483:A:SER:HB2	1:484:A:LYS:H	17	1.15
(1,170)	1:483:A:SER:HB3	1:484:A:LYS:H	17	1.15
(1,101)	1:450:A:PHE:HB3	1:451:A:VAL:H	14	1.15
(1,96)	1:451:A:VAL:H	1:451:A:VAL:HB	12	1.15
(1,91)	1:480:A:LEU:HD11	1:481:A:LYS:H	13	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:480:A:LEU:HD12	1:481:A:LYS:H	13	1.15
(1,91)	1:480:A:LEU:HD13	1:481:A:LYS:H	13	1.15
(1,91)	1:480:A:LEU:HD21	1:481:A:LYS:H	13	1.15
(1,91)	1:480:A:LEU:HD22	1:481:A:LYS:H	13	1.15
(1,91)	1:480:A:LEU:HD23	1:481:A:LYS:H	13	1.15
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG21	6	1.15
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG22	6	1.15
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG23	6	1.15
(1,39)	1:477:A:LYS:HB2	1:478:A:VAL:H	3	1.15
(1,39)	1:477:A:LYS:HB3	1:478:A:VAL:H	3	1.15
(1,15)	1:432:A:ILE:H	1:432:A:ILE:HB	5	1.15
(1,1591)	1:411:A:HIS:HB3	1:411:A:HIS:HD2	18	1.14
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD1	10	1.14
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD2	10	1.14
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD1	10	1.14
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD2	10	1.14
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD1	13	1.14
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD2	13	1.14
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD1	10	1.14
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD2	10	1.14
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD1	18	1.14
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD2	18	1.14
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD1	18	1.14
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD2	18	1.14
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD1	18	1.14
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD2	18	1.14
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD1	18	1.14
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD2	18	1.14
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD1	10	1.14
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD2	10	1.14
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	20	1.14
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	20	1.14
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	20	1.14
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	20	1.14
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	20	1.14
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	20	1.14
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG21	9	1.14
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG22	9	1.14
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG23	9	1.14
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD2	13	1.14
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD3	13	1.14
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD2	15	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD3	15	1.14
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD2	2	1.14
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD3	2	1.14
(1,1473)	1:398:A:GLN:HA	1:398:A:GLN:HG2	14	1.14
(1,1459)	1:414:A:GLN:HA	1:414:A:GLN:HG3	17	1.14
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD1	5	1.14
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD2	5	1.14
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD1	10	1.14
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD2	10	1.14
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD1	11	1.14
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD2	11	1.14
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD1	12	1.14
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD2	12	1.14
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD1	15	1.14
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD2	15	1.14
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD1	17	1.14
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD2	17	1.14
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE1	5	1.14
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE2	5	1.14
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE3	5	1.14
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE1	6	1.14
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE2	6	1.14
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE3	6	1.14
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	15	1.14
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	15	1.14
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	15	1.14
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	15	1.14
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	15	1.14
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	15	1.14
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	15	1.14
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	15	1.14
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	15	1.14
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	4	1.14
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	4	1.14
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	4	1.14
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	4	1.14
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	4	1.14
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	4	1.14
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG21	20	1.14
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG22	20	1.14
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG23	20	1.14
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG21	20	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG22	20	1.14
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG23	20	1.14
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB1	5	1.14
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB2	5	1.14
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB3	5	1.14
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB1	5	1.14
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB2	5	1.14
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB3	5	1.14
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	8	1.14
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	8	1.14
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	8	1.14
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	8	1.14
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	8	1.14
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	8	1.14
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	8	1.14
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	8	1.14
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	8	1.14
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD2	2	1.14
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD3	2	1.14
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	8	1.14
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	8	1.14
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	8	1.14
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	8	1.14
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	8	1.14
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	8	1.14
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	8	1.14
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	8	1.14
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	8	1.14
(1,1239)	1:432:A:ILE:HG12	1:433:A:SER:H	2	1.14
(1,1239)	1:432:A:ILE:HG13	1:433:A:SER:H	2	1.14
(1,1239)	1:432:A:ILE:HG12	1:433:A:SER:H	6	1.14
(1,1239)	1:432:A:ILE:HG13	1:433:A:SER:H	6	1.14
(1,1192)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	7	1.14
(1,1188)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	7	1.14
(1,1172)	1:457:A:VAL:H	1:457:A:VAL:HB	18	1.14
(1,1159)	1:459:A:ALA:HA	1:461:A:ALA:HA	1	1.14
(1,1082)	1:422:A:LEU:HA	1:425:A:PHE:HB2	18	1.14
(1,1057)	1:451:A:VAL:H	1:451:A:VAL:HB	5	1.14
(1,1056)	1:451:A:VAL:HB	1:452:A:SER:H	12	1.14
(1,1054)	1:400:A:GLU:HA	1:400:A:GLU:HG2	1	1.14
(1,1054)	1:400:A:GLU:HA	1:400:A:GLU:HG2	5	1.14
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	15	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	15	1.14
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	15	1.14
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	15	1.14
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	15	1.14
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	15	1.14
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	15	1.14
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	15	1.14
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	15	1.14
(1,1031)	1:430:A:ASN:HB2	1:431:A:VAL:H	5	1.14
(1,1031)	1:430:A:ASN:HB3	1:431:A:VAL:H	5	1.14
(1,1031)	1:430:A:ASN:HB2	1:431:A:VAL:H	12	1.14
(1,1031)	1:430:A:ASN:HB3	1:431:A:VAL:H	12	1.14
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	12	1.14
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	12	1.14
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	12	1.14
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	12	1.14
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	12	1.14
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	12	1.14
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG21	19	1.14
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG22	19	1.14
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG23	19	1.14
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG21	19	1.14
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG22	19	1.14
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG23	19	1.14
(1,973)	1:471:A:ILE:HG21	1:472:A:GLY:H	18	1.14
(1,973)	1:471:A:ILE:HG22	1:472:A:GLY:H	18	1.14
(1,973)	1:471:A:ILE:HG23	1:472:A:GLY:H	18	1.14
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG21	1	1.14
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG22	1	1.14
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG23	1	1.14
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG21	14	1.14
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG22	14	1.14
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG23	14	1.14
(1,921)	1:455:A:ASN:HB3	1:455:A:ASN:HD22	3	1.14
(1,921)	1:455:A:ASN:HB3	1:455:A:ASN:HD22	8	1.14
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG21	6	1.14
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG22	6	1.14
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG23	6	1.14
(1,824)	1:436:A:VAL:HG11	1:437:A:PHE:H	17	1.14
(1,824)	1:436:A:VAL:HG12	1:437:A:PHE:H	17	1.14
(1,824)	1:436:A:VAL:HG13	1:437:A:PHE:H	17	1.14
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB2	1	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB3	1	1.14
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB2	1	1.14
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB3	1	1.14
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB2	1	1.14
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB3	1	1.14
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG21	4	1.14
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG22	4	1.14
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG23	4	1.14
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	20	1.14
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	20	1.14
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	20	1.14
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	20	1.14
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	20	1.14
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	20	1.14
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	20	1.14
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	20	1.14
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	20	1.14
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	20	1.14
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	20	1.14
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	20	1.14
(1,657)	1:474:A:LYS:HA	1:474:A:LYS:HG3	1	1.14
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	3	1.14
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	3	1.14
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	3	1.14
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	3	1.14
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	3	1.14
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	3	1.14
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	3	1.14
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	3	1.14
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	3	1.14
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	3	1.14
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	3	1.14
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	3	1.14
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	3	1.14
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	3	1.14
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	3	1.14
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	3	1.14
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	3	1.14
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	3	1.14
(1,637)	1:476:A:LEU:HA	1:476:A:LEU:HG	8	1.14
(1,545)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	13	1.14
(1,545)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	18	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,540)	1:454:A:ASP:H	1:454:A:ASP:HB3	9	1.14
(1,540)	1:454:A:ASP:H	1:454:A:ASP:HB3	11	1.14
(1,499)	1:467:A:ASN:HB2	1:467:A:ASN:HD22	7	1.14
(1,499)	1:467:A:ASN:HB2	1:467:A:ASN:HD22	9	1.14
(1,499)	1:467:A:ASN:HB2	1:467:A:ASN:HD22	11	1.14
(1,499)	1:467:A:ASN:HB2	1:467:A:ASN:HD22	15	1.14
(1,485)	1:406:A:ASN:H	1:406:A:ASN:HB3	5	1.14
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD1	12	1.14
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD2	12	1.14
(1,406)	1:471:A:ILE:HG21	1:472:A:GLY:H	18	1.14
(1,406)	1:471:A:ILE:HG22	1:472:A:GLY:H	18	1.14
(1,406)	1:471:A:ILE:HG23	1:472:A:GLY:H	18	1.14
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB1	9	1.14
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB2	9	1.14
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB3	9	1.14
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG21	14	1.14
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG22	14	1.14
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG23	14	1.14
(1,273)	1:457:A:VAL:H	1:457:A:VAL:HB	18	1.14
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG21	6	1.14
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG22	6	1.14
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG23	6	1.14
(1,241)	1:399:A:LYS:HB2	1:400:A:GLU:H	20	1.14
(1,241)	1:399:A:LYS:HB3	1:400:A:GLU:H	20	1.14
(1,225)	1:418:A:ASP:H	1:418:A:ASP:HB2	1	1.14
(1,225)	1:418:A:ASP:H	1:418:A:ASP:HB2	9	1.14
(1,225)	1:418:A:ASP:H	1:418:A:ASP:HB2	10	1.14
(1,225)	1:418:A:ASP:H	1:418:A:ASP:HB2	11	1.14
(1,204)	1:416:A:PHE:H	1:416:A:PHE:HB3	8	1.14
(1,204)	1:416:A:PHE:H	1:416:A:PHE:HB3	15	1.14
(1,181)	1:418:A:ASP:HB2	1:422:A:LEU:H	3	1.14
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD11	15	1.14
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD12	15	1.14
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD13	15	1.14
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD21	15	1.14
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD22	15	1.14
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD23	15	1.14
(1,158)	1:407:A:LEU:H	1:407:A:LEU:HB3	1	1.14
(1,122)	1:473:A:MET:H	1:473:A:MET:HB2	5	1.14
(1,96)	1:451:A:VAL:H	1:451:A:VAL:HB	5	1.14
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD1	14	1.14
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD2	14	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,64)	1:436:A:VAL:HG11	1:437:A:PHE:H	17	1.14
(1,64)	1:436:A:VAL:HG12	1:437:A:PHE:H	17	1.14
(1,64)	1:436:A:VAL:HG13	1:437:A:PHE:H	17	1.14
(1,42)	1:439:A:ASP:H	1:444:A:LEU:HG	16	1.14
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG21	4	1.14
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG22	4	1.14
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG23	4	1.14
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD1	15	1.13
(1,1570)	1:408:A:PHE:HA	1:408:A:PHE:HD2	15	1.13
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD1	2	1.13
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD2	2	1.13
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD1	17	1.13
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD2	17	1.13
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD1	17	1.13
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD2	17	1.13
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD1	1	1.13
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD2	1	1.13
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD1	4	1.13
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD2	4	1.13
(1,1473)	1:398:A:GLN:HA	1:398:A:GLN:HG2	9	1.13
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD1	1	1.13
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD2	1	1.13
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	13	1.13
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	13	1.13
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	13	1.13
(1,1172)	1:457:A:VAL:H	1:457:A:VAL:HB	6	1.13
(1,1169)	1:462:A:ALA:HA	1:465:A:ALA:H	8	1.13
(1,1162)	1:453:A:TYR:HD1	1:459:A:ALA:HA	1	1.13
(1,1162)	1:453:A:TYR:HD2	1:459:A:ALA:HA	1	1.13
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG2	15	1.13
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG3	15	1.13
(1,1108)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	8	1.13
(1,1104)	1:441:A:GLN:HA	1:441:A:GLN:HG2	1	1.13
(1,1103)	1:441:A:GLN:HA	1:441:A:GLN:HG3	15	1.13
(1,1101)	1:477:A:LYS:HB2	1:478:A:VAL:H	8	1.13
(1,1101)	1:477:A:LYS:HB3	1:478:A:VAL:H	8	1.13
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG21	7	1.13
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG22	7	1.13
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG23	7	1.13
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG21	19	1.13
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG22	19	1.13
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG23	19	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1069)	1:432:A:ILE:HD11	1:454:A:ASP:HA	4	1.13
(1,1069)	1:432:A:ILE:HD12	1:454:A:ASP:HA	4	1.13
(1,1069)	1:432:A:ILE:HD13	1:454:A:ASP:HA	4	1.13
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD11	10	1.13
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD12	10	1.13
(1,1043)	1:421:A:ILE:HA	1:421:A:ILE:HD13	10	1.13
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD11	5	1.13
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD12	5	1.13
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD13	5	1.13
(1,1023)	1:421:A:ILE:HB	1:422:A:LEU:H	8	1.13
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG21	3	1.13
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG22	3	1.13
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG23	3	1.13
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG21	3	1.13
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG22	3	1.13
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG23	3	1.13
(1,973)	1:471:A:ILE:HG21	1:472:A:GLY:H	17	1.13
(1,973)	1:471:A:ILE:HG22	1:472:A:GLY:H	17	1.13
(1,973)	1:471:A:ILE:HG23	1:472:A:GLY:H	17	1.13
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG21	11	1.13
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG22	11	1.13
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG23	11	1.13
(1,939)	1:486:A:ASP:H	1:486:A:ASP:HB3	13	1.13
(1,926)	1:406:A:ASN:HB3	1:407:A:LEU:H	13	1.13
(1,921)	1:455:A:ASN:HB3	1:455:A:ASN:HD22	7	1.13
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG21	14	1.13
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG22	14	1.13
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG23	14	1.13
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG21	9	1.13
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG22	9	1.13
(1,834)	1:450:A:PHE:HB2	1:478:A:VAL:HG23	9	1.13
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD11	3	1.13
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD12	3	1.13
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD13	3	1.13
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD21	3	1.13
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD22	3	1.13
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD23	3	1.13
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD11	7	1.13
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD12	7	1.13
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD13	7	1.13
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD21	7	1.13
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD22	7	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD23	7	1.13
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG2	11	1.13
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG3	11	1.13
(1,637)	1:476:A:LEU:HA	1:476:A:LEU:HG	9	1.13
(1,605)	1:426:A:MET:HA	1:429:A:GLY:H	4	1.13
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG11	16	1.13
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG12	16	1.13
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG13	16	1.13
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG21	8	1.13
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG22	8	1.13
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG23	8	1.13
(1,507)	1:454:A:ASP:H	1:455:A:ASN:H	15	1.13
(1,485)	1:406:A:ASN:H	1:406:A:ASN:HB3	2	1.13
(1,485)	1:406:A:ASN:H	1:406:A:ASN:HB3	14	1.13
(1,439)	1:421:A:ILE:H	1:421:A:ILE:HG13	16	1.13
(1,421)	1:462:A:ALA:HA	1:465:A:ALA:H	8	1.13
(1,406)	1:471:A:ILE:HG21	1:472:A:GLY:H	17	1.13
(1,406)	1:471:A:ILE:HG22	1:472:A:GLY:H	17	1.13
(1,406)	1:471:A:ILE:HG23	1:472:A:GLY:H	17	1.13
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD11	3	1.13
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD12	3	1.13
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD13	3	1.13
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD21	3	1.13
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD22	3	1.13
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD23	3	1.13
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG21	11	1.13
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG22	11	1.13
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG23	11	1.13
(1,341)	1:466:A:MET:HB2	1:467:A:ASN:H	8	1.13
(1,341)	1:466:A:MET:HB3	1:467:A:ASN:H	8	1.13
(1,329)	1:402:A:PRO:HG2	1:403:A:GLU:H	5	1.13
(1,302)	1:403:A:GLU:HG2	1:405:A:ALA:H	19	1.13
(1,273)	1:457:A:VAL:H	1:457:A:VAL:HB	6	1.13
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG21	14	1.13
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG22	14	1.13
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG23	14	1.13
(1,261)	1:486:A:ASP:H	1:486:A:ASP:HB3	13	1.13
(1,244)	1:399:A:LYS:HD2	1:400:A:GLU:H	10	1.13
(1,244)	1:399:A:LYS:HD3	1:400:A:GLU:H	10	1.13
(1,204)	1:416:A:PHE:H	1:416:A:PHE:HB3	14	1.13
(1,170)	1:483:A:SER:HB2	1:484:A:LYS:H	3	1.13
(1,170)	1:483:A:SER:HB3	1:484:A:LYS:H	3	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,158)	1:407:A:LEU:H	1:407:A:LEU:HB3	17	1.13
(1,154)	1:406:A:ASN:HB3	1:407:A:LEU:H	13	1.13
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD1	11	1.13
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD2	11	1.13
(1,143)	1:410:A:TYR:H	1:410:A:TYR:HB2	6	1.13
(1,107)	1:410:A:TYR:H	1:477:A:LYS:H	12	1.13
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG2	11	1.13
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG3	11	1.13
(1,52)	1:471:A:ILE:H	1:474:A:LYS:H	14	1.13
(1,39)	1:477:A:LYS:HB2	1:478:A:VAL:H	8	1.13
(1,39)	1:477:A:LYS:HB3	1:478:A:VAL:H	8	1.13
(1,1590)	1:411:A:HIS:HB2	1:411:A:HIS:HD2	18	1.12
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	16	1.12
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	16	1.12
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	16	1.12
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	16	1.12
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	16	1.12
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	16	1.12
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD1	7	1.12
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD2	7	1.12
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD1	7	1.12
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD2	7	1.12
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD1	7	1.12
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD2	7	1.12
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD1	9	1.12
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD2	9	1.12
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG21	18	1.12
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG22	18	1.12
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG23	18	1.12
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD2	12	1.12
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD3	12	1.12
(1,1498)	1:428:A:PHE:HE1	1:465:A:ALA:HA	14	1.12
(1,1498)	1:428:A:PHE:HE2	1:465:A:ALA:HA	14	1.12
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD2	3	1.12
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD3	3	1.12
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD2	17	1.12
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD3	17	1.12
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD2	12	1.12
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD3	12	1.12
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD1	9	1.12
(1,1444)	1:437:A:PHE:HA	1:437:A:PHE:HD2	9	1.12
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD11	14	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD12	14	1.12
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD13	14	1.12
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD2	3	1.12
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD3	3	1.12
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD2	17	1.12
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD3	17	1.12
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	11	1.12
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	11	1.12
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	11	1.12
(1,1243)	1:407:A:LEU:HG	1:459:A:ALA:HA	10	1.12
(1,1240)	1:432:A:ILE:HG12	1:454:A:ASP:H	11	1.12
(1,1240)	1:432:A:ILE:HG13	1:454:A:ASP:H	11	1.12
(1,1201)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	2	1.12
(1,1201)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	2	1.12
(1,1192)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	9	1.12
(1,1188)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	9	1.12
(1,1172)	1:457:A:VAL:H	1:457:A:VAL:HB	5	1.12
(1,1172)	1:457:A:VAL:H	1:457:A:VAL:HB	10	1.12
(1,1172)	1:457:A:VAL:H	1:457:A:VAL:HB	11	1.12
(1,1165)	1:407:A:LEU:HG	1:459:A:ALA:HA	10	1.12
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG2	19	1.12
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG3	19	1.12
(1,1108)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	17	1.12
(1,1082)	1:422:A:LEU:HA	1:425:A:PHE:HB2	11	1.12
(1,1056)	1:451:A:VAL:HB	1:452:A:SER:H	2	1.12
(1,1054)	1:400:A:GLU:HA	1:400:A:GLU:HG2	7	1.12
(1,1054)	1:400:A:GLU:HA	1:400:A:GLU:HG2	13	1.12
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	16	1.12
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	16	1.12
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	16	1.12
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	16	1.12
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	16	1.12
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	16	1.12
(1,1018)	1:443:A:ASN:HB3	1:443:A:ASN:HD22	6	1.12
(1,1017)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	17	1.12
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD11	12	1.12
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD12	12	1.12
(1,990)	1:409:A:ILE:H	1:409:A:ILE:HD13	12	1.12
(1,973)	1:471:A:ILE:HG21	1:472:A:GLY:H	20	1.12
(1,973)	1:471:A:ILE:HG22	1:472:A:GLY:H	20	1.12
(1,973)	1:471:A:ILE:HG23	1:472:A:GLY:H	20	1.12
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG21	18	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG22	18	1.12
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG23	18	1.12
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG11	2	1.12
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG12	2	1.12
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG13	2	1.12
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG11	2	1.12
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG12	2	1.12
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG13	2	1.12
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG11	2	1.12
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG12	2	1.12
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG13	2	1.12
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG11	6	1.12
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG12	6	1.12
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG13	6	1.12
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG11	6	1.12
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG12	6	1.12
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG13	6	1.12
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG11	6	1.12
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG12	6	1.12
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG13	6	1.12
(1,836)	1:444:A:LEU:HB3	1:445:A:SER:H	3	1.12
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG11	4	1.12
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG12	4	1.12
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG13	4	1.12
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB2	14	1.12
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB3	14	1.12
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB2	14	1.12
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB3	14	1.12
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB2	14	1.12
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB3	14	1.12
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG21	18	1.12
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG22	18	1.12
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG23	18	1.12
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	11	1.12
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	11	1.12
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	11	1.12
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	11	1.12
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	11	1.12
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	11	1.12
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	11	1.12
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	11	1.12
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	11	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	11	1.12
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	11	1.12
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	11	1.12
(1,679)	1:477:A:LYS:HG2	1:478:A:VAL:H	16	1.12
(1,679)	1:477:A:LYS:HG3	1:478:A:VAL:H	16	1.12
(1,584)	1:428:A:PHE:H	1:428:A:PHE:HB3	18	1.12
(1,576)	1:398:A:GLN:HG2	1:398:A:GLN:HE22	16	1.12
(1,553)	1:422:A:LEU:HA	1:425:A:PHE:H	18	1.12
(1,545)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	17	1.12
(1,520)	1:433:A:SER:H	1:453:A:TYR:HA	17	1.12
(1,499)	1:467:A:ASN:HB2	1:467:A:ASN:HD22	1	1.12
(1,499)	1:467:A:ASN:HB2	1:467:A:ASN:HD22	18	1.12
(1,485)	1:406:A:ASN:H	1:406:A:ASN:HB3	1	1.12
(1,485)	1:406:A:ASN:H	1:406:A:ASN:HB3	3	1.12
(1,477)	1:444:A:LEU:HB3	1:445:A:SER:H	3	1.12
(1,451)	1:460:A:GLN:H	1:480:A:LEU:HG	7	1.12
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD11	16	1.12
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD12	16	1.12
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD13	16	1.12
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD21	16	1.12
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD22	16	1.12
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD23	16	1.12
(1,406)	1:471:A:ILE:HG21	1:472:A:GLY:H	20	1.12
(1,406)	1:471:A:ILE:HG22	1:472:A:GLY:H	20	1.12
(1,406)	1:471:A:ILE:HG23	1:472:A:GLY:H	20	1.12
(1,370)	1:482:A:ARG:HB2	1:483:A:SER:H	13	1.12
(1,363)	1:407:A:LEU:HD11	1:463:A:ILE:H	4	1.12
(1,363)	1:407:A:LEU:HD12	1:463:A:ILE:H	4	1.12
(1,363)	1:407:A:LEU:HD13	1:463:A:ILE:H	4	1.12
(1,363)	1:407:A:LEU:HD21	1:463:A:ILE:H	4	1.12
(1,363)	1:407:A:LEU:HD22	1:463:A:ILE:H	4	1.12
(1,363)	1:407:A:LEU:HD23	1:463:A:ILE:H	4	1.12
(1,273)	1:457:A:VAL:H	1:457:A:VAL:HB	5	1.12
(1,273)	1:457:A:VAL:H	1:457:A:VAL:HB	10	1.12
(1,273)	1:457:A:VAL:H	1:457:A:VAL:HB	11	1.12
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD11	6	1.12
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD12	6	1.12
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD13	6	1.12
(1,225)	1:418:A:ASP:H	1:418:A:ASP:HB2	8	1.12
(1,225)	1:418:A:ASP:H	1:418:A:ASP:HB2	20	1.12
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG11	4	1.12
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG12	4	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG13	4	1.12
(1,158)	1:407:A:LEU:H	1:407:A:LEU:HB3	2	1.12
(1,158)	1:407:A:LEU:H	1:407:A:LEU:HB3	16	1.12
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG11	12	1.12
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG12	12	1.12
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG13	12	1.12
(1,143)	1:410:A:TYR:H	1:410:A:TYR:HB2	2	1.12
(1,29)	1:439:A:ASP:HB3	1:440:A:LYS:H	8	1.12
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB1	3	1.11
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB2	3	1.11
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB3	3	1.11
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB1	3	1.11
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB2	3	1.11
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB3	3	1.11
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD1	9	1.11
(1,1562)	1:450:A:PHE:HA	1:450:A:PHE:HD2	9	1.11
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD1	16	1.11
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD2	16	1.11
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD1	1	1.11
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD2	1	1.11
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD1	5	1.11
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD2	5	1.11
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD1	8	1.11
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD2	8	1.11
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD1	16	1.11
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD2	16	1.11
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD1	20	1.11
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD2	20	1.11
(1,1490)	1:438:A:ILE:HG21	1:443:A:ASN:HA	6	1.11
(1,1490)	1:438:A:ILE:HG22	1:443:A:ASN:HA	6	1.11
(1,1490)	1:438:A:ILE:HG23	1:443:A:ASN:HA	6	1.11
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD2	5	1.11
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD3	5	1.11
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD2	13	1.11
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD3	13	1.11
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD2	15	1.11
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD3	15	1.11
(1,1473)	1:398:A:GLN:HA	1:398:A:GLN:HG2	2	1.11
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD11	19	1.11
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD12	19	1.11
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD13	19	1.11
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG21	5	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG22	5	1.11
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG23	5	1.11
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG21	5	1.11
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG22	5	1.11
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG23	5	1.11
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG21	14	1.11
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG22	14	1.11
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG23	14	1.11
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG21	14	1.11
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG22	14	1.11
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG23	14	1.11
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	14	1.11
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	14	1.11
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	14	1.11
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	14	1.11
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	14	1.11
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	14	1.11
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	14	1.11
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	14	1.11
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	14	1.11
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	16	1.11
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	16	1.11
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	16	1.11
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	16	1.11
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	16	1.11
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	16	1.11
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	16	1.11
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	16	1.11
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	16	1.11
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD2	5	1.11
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD3	5	1.11
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD2	13	1.11
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD3	13	1.11
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD2	15	1.11
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD3	15	1.11
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	14	1.11
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	14	1.11
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	14	1.11
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	14	1.11
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	14	1.11
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	14	1.11
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	14	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	14	1.11
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	14	1.11
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	16	1.11
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	16	1.11
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	16	1.11
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	16	1.11
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	16	1.11
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	16	1.11
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	16	1.11
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	16	1.11
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	16	1.11
(1,1192)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	10	1.11
(1,1188)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	10	1.11
(1,1169)	1:462:A:ALA:HA	1:465:A:ALA:H	5	1.11
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG2	6	1.11
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG3	6	1.11
(1,1121)	1:410:A:TYR:HA	1:449:A:GLY:H	20	1.11
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD11	19	1.11
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD12	19	1.11
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD13	19	1.11
(1,1108)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	5	1.11
(1,1103)	1:441:A:GLN:HA	1:441:A:GLN:HG3	2	1.11
(1,1101)	1:477:A:LYS:HB2	1:478:A:VAL:H	19	1.11
(1,1101)	1:477:A:LYS:HB3	1:478:A:VAL:H	19	1.11
(1,1069)	1:432:A:ILE:HD11	1:454:A:ASP:HA	14	1.11
(1,1069)	1:432:A:ILE:HD12	1:454:A:ASP:HA	14	1.11
(1,1069)	1:432:A:ILE:HD13	1:454:A:ASP:HA	14	1.11
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG2	13	1.11
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG3	13	1.11
(1,1061)	1:409:A:ILE:HA	1:409:A:ILE:HG12	17	1.11
(1,1054)	1:400:A:GLU:HA	1:400:A:GLU:HG2	3	1.11
(1,1018)	1:443:A:ASN:HB3	1:443:A:ASN:HD22	8	1.11
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG21	3	1.11
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG22	3	1.11
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG23	3	1.11
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG21	5	1.11
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG22	5	1.11
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG23	5	1.11
(1,921)	1:455:A:ASN:HB3	1:455:A:ASN:HD22	13	1.11
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB2	11	1.11
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB3	11	1.11
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB2	11	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB3	11	1.11
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB2	11	1.11
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB3	11	1.11
(1,688)	1:480:A:LEU:HD11	1:481:A:LYS:H	6	1.11
(1,688)	1:480:A:LEU:HD12	1:481:A:LYS:H	6	1.11
(1,688)	1:480:A:LEU:HD13	1:481:A:LYS:H	6	1.11
(1,688)	1:480:A:LEU:HD21	1:481:A:LYS:H	6	1.11
(1,688)	1:480:A:LEU:HD22	1:481:A:LYS:H	6	1.11
(1,688)	1:480:A:LEU:HD23	1:481:A:LYS:H	6	1.11
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG2	3	1.11
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG3	3	1.11
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG2	16	1.11
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG3	16	1.11
(1,605)	1:426:A:MET:HA	1:429:A:GLY:H	17	1.11
(1,590)	1:410:A:TYR:HA	1:449:A:GLY:H	20	1.11
(1,584)	1:428:A:PHE:H	1:428:A:PHE:HB3	10	1.11
(1,499)	1:467:A:ASN:HB2	1:467:A:ASN:HD22	5	1.11
(1,499)	1:467:A:ASN:HB2	1:467:A:ASN:HD22	13	1.11
(1,499)	1:467:A:ASN:HB2	1:467:A:ASN:HD22	17	1.11
(1,499)	1:467:A:ASN:HB2	1:467:A:ASN:HD22	19	1.11
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG2	13	1.11
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG3	13	1.11
(1,486)	1:406:A:ASN:H	1:406:A:ASN:HB2	16	1.11
(1,485)	1:406:A:ASN:H	1:406:A:ASN:HB3	6	1.11
(1,485)	1:406:A:ASN:H	1:406:A:ASN:HB3	8	1.11
(1,478)	1:444:A:LEU:HB2	1:445:A:SER:H	13	1.11
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD11	12	1.11
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD12	12	1.11
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD13	12	1.11
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD21	12	1.11
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD22	12	1.11
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD23	12	1.11
(1,421)	1:462:A:ALA:HA	1:465:A:ALA:H	5	1.11
(1,414)	1:441:A:GLN:H	1:441:A:GLN:HG3	10	1.11
(1,412)	1:441:A:GLN:H	1:443:A:ASN:H	7	1.11
(1,383)	1:444:A:LEU:H	1:444:A:LEU:HB2	13	1.11
(1,370)	1:482:A:ARG:HB2	1:483:A:SER:H	2	1.11
(1,347)	1:408:A:PHE:H	1:408:A:PHE:HB2	10	1.11
(1,171)	1:483:A:SER:H	1:484:A:LYS:H	12	1.11
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD11	19	1.11
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD12	19	1.11
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD13	19	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD21	19	1.11
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD22	19	1.11
(1,169)	1:480:A:LEU:H	1:480:A:LEU:HD23	19	1.11
(1,158)	1:407:A:LEU:H	1:407:A:LEU:HB3	8	1.11
(1,158)	1:407:A:LEU:H	1:407:A:LEU:HB3	14	1.11
(1,103)	1:407:A:LEU:HG	1:479:A:GLN:H	8	1.11
(1,101)	1:450:A:PHE:HB3	1:451:A:VAL:H	19	1.11
(1,91)	1:480:A:LEU:HD11	1:481:A:LYS:H	6	1.11
(1,91)	1:480:A:LEU:HD12	1:481:A:LYS:H	6	1.11
(1,91)	1:480:A:LEU:HD13	1:481:A:LYS:H	6	1.11
(1,91)	1:480:A:LEU:HD21	1:481:A:LYS:H	6	1.11
(1,91)	1:480:A:LEU:HD22	1:481:A:LYS:H	6	1.11
(1,91)	1:480:A:LEU:HD23	1:481:A:LYS:H	6	1.11
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG2	16	1.11
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG3	16	1.11
(1,39)	1:477:A:LYS:HB2	1:478:A:VAL:H	19	1.11
(1,39)	1:477:A:LYS:HB3	1:478:A:VAL:H	19	1.11
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD1	8	1.1
(1,1578)	1:428:A:PHE:H	1:428:A:PHE:HD2	8	1.1
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB1	12	1.1
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB2	12	1.1
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB3	12	1.1
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB1	12	1.1
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB2	12	1.1
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB3	12	1.1
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB1	16	1.1
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB2	16	1.1
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB3	16	1.1
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB1	16	1.1
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB2	16	1.1
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB3	16	1.1
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD1	20	1.1
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD2	20	1.1
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD1	15	1.1
(1,1551)	1:407:A:LEU:HD11	1:453:A:TYR:HD2	15	1.1
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD1	15	1.1
(1,1551)	1:407:A:LEU:HD12	1:453:A:TYR:HD2	15	1.1
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD1	15	1.1
(1,1551)	1:407:A:LEU:HD13	1:453:A:TYR:HD2	15	1.1
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD1	15	1.1
(1,1551)	1:407:A:LEU:HD21	1:453:A:TYR:HD2	15	1.1
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD1	15	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:407:A:LEU:HD22	1:453:A:TYR:HD2	15	1.1
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD1	15	1.1
(1,1551)	1:407:A:LEU:HD23	1:453:A:TYR:HD2	15	1.1
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD1	3	1.1
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD2	3	1.1
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD1	6	1.1
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD2	6	1.1
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD1	7	1.1
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD2	7	1.1
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD1	11	1.1
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD2	11	1.1
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD1	15	1.1
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD2	15	1.1
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD1	17	1.1
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD2	17	1.1
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD1	18	1.1
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD2	18	1.1
(1,1491)	1:407:A:LEU:HD11	1:459:A:ALA:HA	16	1.1
(1,1491)	1:407:A:LEU:HD12	1:459:A:ALA:HA	16	1.1
(1,1491)	1:407:A:LEU:HD13	1:459:A:ALA:HA	16	1.1
(1,1491)	1:407:A:LEU:HD21	1:459:A:ALA:HA	16	1.1
(1,1491)	1:407:A:LEU:HD22	1:459:A:ALA:HA	16	1.1
(1,1491)	1:407:A:LEU:HD23	1:459:A:ALA:HA	16	1.1
(1,1485)	1:398:A:GLN:HA	1:398:A:GLN:HG3	12	1.1
(1,1469)	1:483:A:SER:HB2	1:484:A:LYS:HA	16	1.1
(1,1469)	1:483:A:SER:HB3	1:484:A:LYS:HA	16	1.1
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD11	2	1.1
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD12	2	1.1
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD13	2	1.1
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD11	18	1.1
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD12	18	1.1
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD13	18	1.1
(1,1394)	1:463:A:ILE:HG21	1:464:A:GLN:HA	5	1.1
(1,1394)	1:463:A:ILE:HG22	1:464:A:GLN:HA	5	1.1
(1,1394)	1:463:A:ILE:HG23	1:464:A:GLN:HA	5	1.1
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB1	13	1.1
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB2	13	1.1
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB3	13	1.1
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB1	13	1.1
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB2	13	1.1
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB3	13	1.1
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB1	13	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB2	13	1.1
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB3	13	1.1
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB1	14	1.1
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB2	14	1.1
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB3	14	1.1
(1,1318)	1:422:A:LEU:HA	1:434:A:ALA:HB1	17	1.1
(1,1318)	1:422:A:LEU:HA	1:434:A:ALA:HB2	17	1.1
(1,1318)	1:422:A:LEU:HA	1:434:A:ALA:HB3	17	1.1
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD11	20	1.1
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD12	20	1.1
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD13	20	1.1
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD21	20	1.1
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD22	20	1.1
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD23	20	1.1
(1,1200)	1:398:A:GLN:HB2	1:399:A:LYS:H	7	1.1
(1,1200)	1:398:A:GLN:HB3	1:399:A:LYS:H	7	1.1
(1,1192)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	16	1.1
(1,1188)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	16	1.1
(1,1181)	1:479:A:GLN:HA	1:480:A:LEU:HG	11	1.1
(1,1172)	1:457:A:VAL:H	1:457:A:VAL:HB	9	1.1
(1,1164)	1:407:A:LEU:HD11	1:459:A:ALA:HA	16	1.1
(1,1164)	1:407:A:LEU:HD12	1:459:A:ALA:HA	16	1.1
(1,1164)	1:407:A:LEU:HD13	1:459:A:ALA:HA	16	1.1
(1,1164)	1:407:A:LEU:HD21	1:459:A:ALA:HA	16	1.1
(1,1164)	1:407:A:LEU:HD22	1:459:A:ALA:HA	16	1.1
(1,1164)	1:407:A:LEU:HD23	1:459:A:ALA:HA	16	1.1
(1,1061)	1:409:A:ILE:HA	1:409:A:ILE:HG12	18	1.1
(1,1054)	1:400:A:GLU:HA	1:400:A:GLU:HG2	6	1.1
(1,1054)	1:400:A:GLU:HA	1:400:A:GLU:HG2	11	1.1
(1,1054)	1:400:A:GLU:HA	1:400:A:GLU:HG2	16	1.1
(1,1018)	1:443:A:ASN:HB3	1:443:A:ASN:HD22	18	1.1
(1,1017)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	2	1.1
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG21	20	1.1
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG22	20	1.1
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG23	20	1.1
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG21	2	1.1
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG22	2	1.1
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG23	2	1.1
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG21	4	1.1
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG22	4	1.1
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG23	4	1.1
(1,940)	1:486:A:ASP:H	1:486:A:ASP:HB2	5	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,940)	1:486:A:ASP:H	1:486:A:ASP:HB2	11	1.1
(1,926)	1:406:A:ASN:HB3	1:407:A:LEU:H	18	1.1
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG21	2	1.1
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG22	2	1.1
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG23	2	1.1
(1,838)	1:451:A:VAL:HG11	1:452:A:SER:H	11	1.1
(1,838)	1:451:A:VAL:HG12	1:452:A:SER:H	11	1.1
(1,838)	1:451:A:VAL:HG13	1:452:A:SER:H	11	1.1
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB1	14	1.1
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB2	14	1.1
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB3	14	1.1
(1,815)	1:434:A:ALA:HB1	1:435:A:LYS:HA	9	1.1
(1,815)	1:434:A:ALA:HB2	1:435:A:LYS:HA	9	1.1
(1,815)	1:434:A:ALA:HB3	1:435:A:LYS:HA	9	1.1
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB1	19	1.1
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB2	19	1.1
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB3	19	1.1
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG21	9	1.1
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG22	9	1.1
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG23	9	1.1
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	14	1.1
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	14	1.1
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD11	18	1.1
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD12	18	1.1
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD13	18	1.1
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD21	18	1.1
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD22	18	1.1
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD23	18	1.1
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG21	3	1.1
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG22	3	1.1
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG23	3	1.1
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	18	1.1
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	18	1.1
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	18	1.1
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	18	1.1
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	18	1.1
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	18	1.1
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	18	1.1
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	18	1.1
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	18	1.1
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	18	1.1
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	18	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	18	1.1
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG2	5	1.1
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG3	5	1.1
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG2	12	1.1
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG3	12	1.1
(1,597)	1:441:A:GLN:HB3	1:442:A:THR:H	4	1.1
(1,596)	1:441:A:GLN:HG3	1:442:A:THR:H	18	1.1
(1,595)	1:439:A:ASP:HB3	1:442:A:THR:H	17	1.1
(1,553)	1:422:A:LEU:HA	1:425:A:PHE:H	13	1.1
(1,507)	1:454:A:ASP:H	1:455:A:ASN:H	6	1.1
(1,499)	1:467:A:ASN:HB2	1:467:A:ASN:HD22	3	1.1
(1,499)	1:467:A:ASN:HB2	1:467:A:ASN:HD22	4	1.1
(1,486)	1:406:A:ASN:H	1:406:A:ASN:HB2	9	1.1
(1,485)	1:406:A:ASN:H	1:406:A:ASN:HB3	7	1.1
(1,478)	1:444:A:LEU:HB2	1:445:A:SER:H	16	1.1
(1,445)	1:418:A:ASP:HB2	1:419:A:GLN:H	4	1.1
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD11	13	1.1
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD12	13	1.1
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD13	13	1.1
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD21	13	1.1
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD22	13	1.1
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD23	13	1.1
(1,414)	1:441:A:GLN:H	1:441:A:GLN:HG3	20	1.1
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD11	18	1.1
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD12	18	1.1
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD13	18	1.1
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD21	18	1.1
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD22	18	1.1
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD23	18	1.1
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB1	8	1.1
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB2	8	1.1
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB3	8	1.1
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG21	2	1.1
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG22	2	1.1
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG23	2	1.1
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG21	4	1.1
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG22	4	1.1
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG23	4	1.1
(1,329)	1:402:A:PRO:HG2	1:403:A:GLU:H	1	1.1
(1,329)	1:402:A:PRO:HG2	1:403:A:GLU:H	12	1.1
(1,324)	1:451:A:VAL:HG11	1:452:A:SER:H	11	1.1
(1,324)	1:451:A:VAL:HG12	1:452:A:SER:H	11	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,324)	1:451:A:VAL:HG13	1:452:A:SER:H	11	1.1
(1,294)	1:409:A:ILE:HD11	1:450:A:PHE:H	7	1.1
(1,294)	1:409:A:ILE:HD12	1:450:A:PHE:H	7	1.1
(1,294)	1:409:A:ILE:HD13	1:450:A:PHE:H	7	1.1
(1,288)	1:450:A:PHE:H	1:450:A:PHE:HB3	19	1.1
(1,273)	1:457:A:VAL:H	1:457:A:VAL:HB	9	1.1
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG21	2	1.1
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG22	2	1.1
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG23	2	1.1
(1,262)	1:486:A:ASP:H	1:486:A:ASP:HB2	5	1.1
(1,262)	1:486:A:ASP:H	1:486:A:ASP:HB2	11	1.1
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD11	12	1.1
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD12	12	1.1
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD13	12	1.1
(1,192)	1:418:A:ASP:HB2	1:436:A:VAL:H	13	1.1
(1,154)	1:406:A:ASN:HB3	1:407:A:LEU:H	18	1.1
(1,143)	1:410:A:TYR:H	1:410:A:TYR:HB2	1	1.1
(1,110)	1:476:A:LEU:HB2	1:477:A:LYS:H	7	1.1
(1,110)	1:476:A:LEU:HB3	1:477:A:LYS:H	7	1.1
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG2	12	1.1
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG3	12	1.1
(1,67)	1:436:A:VAL:HB	1:437:A:PHE:H	15	1.1
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG21	3	1.1
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG22	3	1.1
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG23	3	1.1
(1,29)	1:439:A:ASP:HB3	1:440:A:LYS:H	12	1.1
(1,1591)	1:411:A:HIS:HB3	1:411:A:HIS:HD2	11	1.09
(1,1583)	1:416:A:PHE:HD1	1:417:A:GLY:H	17	1.09
(1,1583)	1:416:A:PHE:HD2	1:417:A:GLY:H	17	1.09
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	7	1.09
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	7	1.09
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	7	1.09
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	7	1.09
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	7	1.09
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	7	1.09
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD1	2	1.09
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD2	2	1.09
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD1	14	1.09
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD2	14	1.09
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG21	20	1.09
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG22	20	1.09
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG23	20	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD2	6	1.09
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD3	6	1.09
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD11	11	1.09
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD12	11	1.09
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD13	11	1.09
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD1	13	1.09
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD2	13	1.09
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD11	4	1.09
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD12	4	1.09
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD13	4	1.09
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	18	1.09
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	18	1.09
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	18	1.09
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	18	1.09
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	18	1.09
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	18	1.09
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD2	6	1.09
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD3	6	1.09
(1,1342)	1:405:A:ALA:HB1	1:453:A:TYR:HB3	11	1.09
(1,1342)	1:405:A:ALA:HB2	1:453:A:TYR:HB3	11	1.09
(1,1342)	1:405:A:ALA:HB3	1:453:A:TYR:HB3	11	1.09
(1,1247)	1:412:A:LEU:HG	1:421:A:ILE:HG13	15	1.09
(1,1192)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	19	1.09
(1,1192)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	20	1.09
(1,1188)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	19	1.09
(1,1188)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	20	1.09
(1,1172)	1:457:A:VAL:H	1:457:A:VAL:HB	12	1.09
(1,1172)	1:457:A:VAL:H	1:457:A:VAL:HB	19	1.09
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG2	12	1.09
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG3	12	1.09
(1,1082)	1:422:A:LEU:HA	1:425:A:PHE:HB2	3	1.09
(1,1073)	1:432:A:ILE:HD11	1:454:A:ASP:H	6	1.09
(1,1073)	1:432:A:ILE:HD12	1:454:A:ASP:H	6	1.09
(1,1073)	1:432:A:ILE:HD13	1:454:A:ASP:H	6	1.09
(1,1073)	1:432:A:ILE:HD11	1:454:A:ASP:H	11	1.09
(1,1073)	1:432:A:ILE:HD12	1:454:A:ASP:H	11	1.09
(1,1073)	1:432:A:ILE:HD13	1:454:A:ASP:H	11	1.09
(1,1054)	1:400:A:GLU:HA	1:400:A:GLU:HG2	14	1.09
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD11	10	1.09
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD12	10	1.09
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD13	10	1.09
(1,1023)	1:421:A:ILE:HB	1:422:A:LEU:H	15	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:421:A:ILE:HB	1:422:A:LEU:H	17	1.09
(1,984)	1:416:A:PHE:HB2	1:417:A:GLY:H	13	1.09
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD11	11	1.09
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD12	11	1.09
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD13	11	1.09
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG21	11	1.09
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG22	11	1.09
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG23	11	1.09
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG21	18	1.09
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG22	18	1.09
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG23	18	1.09
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG21	20	1.09
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG22	20	1.09
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG23	20	1.09
(1,921)	1:455:A:ASN:HB3	1:455:A:ASN:HD22	5	1.09
(1,921)	1:455:A:ASN:HB3	1:455:A:ASN:HD22	16	1.09
(1,921)	1:455:A:ASN:HB3	1:455:A:ASN:HD22	19	1.09
(1,891)	1:439:A:ASP:HB3	1:444:A:LEU:H	6	1.09
(1,880)	1:480:A:LEU:HB2	1:481:A:LYS:H	15	1.09
(1,880)	1:480:A:LEU:HB3	1:481:A:LYS:H	15	1.09
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG21	9	1.09
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG22	9	1.09
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG23	9	1.09
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG21	10	1.09
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG22	10	1.09
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG23	10	1.09
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG21	13	1.09
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG22	13	1.09
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG23	13	1.09
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	6	1.09
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	6	1.09
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	6	1.09
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	6	1.09
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	6	1.09
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	6	1.09
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	6	1.09
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	6	1.09
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	6	1.09
(1,838)	1:451:A:VAL:HG11	1:452:A:SER:H	6	1.09
(1,838)	1:451:A:VAL:HG12	1:452:A:SER:H	6	1.09
(1,838)	1:451:A:VAL:HG13	1:452:A:SER:H	6	1.09
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	6	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	6	1.09
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	6	1.09
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	6	1.09
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	6	1.09
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	6	1.09
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	6	1.09
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	6	1.09
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	6	1.09
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG21	20	1.09
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG22	20	1.09
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG23	20	1.09
(1,770)	1:457:A:VAL:HG11	1:458:A:SER:HB3	5	1.09
(1,770)	1:457:A:VAL:HG12	1:458:A:SER:HB3	5	1.09
(1,770)	1:457:A:VAL:HG13	1:458:A:SER:HB3	5	1.09
(1,770)	1:457:A:VAL:HG21	1:458:A:SER:HB3	5	1.09
(1,770)	1:457:A:VAL:HG22	1:458:A:SER:HB3	5	1.09
(1,770)	1:457:A:VAL:HG23	1:458:A:SER:HB3	5	1.09
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG21	16	1.09
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG22	16	1.09
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG23	16	1.09
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG21	20	1.09
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG22	20	1.09
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG23	20	1.09
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	6	1.09
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	6	1.09
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	6	1.09
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	6	1.09
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	6	1.09
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	6	1.09
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	6	1.09
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	6	1.09
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	6	1.09
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	6	1.09
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	6	1.09
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	6	1.09
(1,688)	1:480:A:LEU:HD11	1:481:A:LYS:H	9	1.09
(1,688)	1:480:A:LEU:HD12	1:481:A:LYS:H	9	1.09
(1,688)	1:480:A:LEU:HD13	1:481:A:LYS:H	9	1.09
(1,688)	1:480:A:LEU:HD21	1:481:A:LYS:H	9	1.09
(1,688)	1:480:A:LEU:HD22	1:481:A:LYS:H	9	1.09
(1,688)	1:480:A:LEU:HD23	1:481:A:LYS:H	9	1.09
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG2	18	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG3	18	1.09
(1,657)	1:474:A:LYS:HA	1:474:A:LYS:HG3	17	1.09
(1,656)	1:474:A:LYS:HA	1:474:A:LYS:HG2	4	1.09
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD11	11	1.09
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD12	11	1.09
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD13	11	1.09
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD21	11	1.09
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD22	11	1.09
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD23	11	1.09
(1,507)	1:454:A:ASP:H	1:455:A:ASN:H	10	1.09
(1,503)	1:410:A:TYR:HA	1:412:A:LEU:H	14	1.09
(1,478)	1:444:A:LEU:HB2	1:445:A:SER:H	12	1.09
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB1	1	1.09
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB2	1	1.09
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB3	1	1.09
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB1	16	1.09
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB2	16	1.09
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB3	16	1.09
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD11	3	1.09
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD12	3	1.09
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD13	3	1.09
(1,438)	1:420:A:ASP:HB3	1:421:A:ILE:H	3	1.09
(1,414)	1:441:A:GLN:H	1:441:A:GLN:HG3	15	1.09
(1,394)	1:430:A:ASN:H	1:453:A:TYR:HE1	11	1.09
(1,394)	1:430:A:ASN:H	1:453:A:TYR:HE2	11	1.09
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG21	18	1.09
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG22	18	1.09
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG23	18	1.09
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG21	20	1.09
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG22	20	1.09
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG23	20	1.09
(1,324)	1:451:A:VAL:HG11	1:452:A:SER:H	6	1.09
(1,324)	1:451:A:VAL:HG12	1:452:A:SER:H	6	1.09
(1,324)	1:451:A:VAL:HG13	1:452:A:SER:H	6	1.09
(1,314)	1:474:A:LYS:HD2	1:475:A:ARG:H	12	1.09
(1,314)	1:474:A:LYS:HD3	1:475:A:ARG:H	12	1.09
(1,273)	1:457:A:VAL:H	1:457:A:VAL:HB	12	1.09
(1,273)	1:457:A:VAL:H	1:457:A:VAL:HB	19	1.09
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG21	9	1.09
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG22	9	1.09
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG23	9	1.09
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG21	10	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG22	10	1.09
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG23	10	1.09
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG21	13	1.09
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG22	13	1.09
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG23	13	1.09
(1,192)	1:418:A:ASP:HB2	1:436:A:VAL:H	14	1.09
(1,174)	1:398:A:GLN:HG3	1:399:A:LYS:H	7	1.09
(1,158)	1:407:A:LEU:H	1:407:A:LEU:HB3	9	1.09
(1,91)	1:480:A:LEU:HD11	1:481:A:LYS:H	9	1.09
(1,91)	1:480:A:LEU:HD12	1:481:A:LYS:H	9	1.09
(1,91)	1:480:A:LEU:HD13	1:481:A:LYS:H	9	1.09
(1,91)	1:480:A:LEU:HD21	1:481:A:LYS:H	9	1.09
(1,91)	1:480:A:LEU:HD22	1:481:A:LYS:H	9	1.09
(1,91)	1:480:A:LEU:HD23	1:481:A:LYS:H	9	1.09
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG21	20	1.09
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG22	20	1.09
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG23	20	1.09
(1,1)	1:469:A:PHE:HD1	1:470:A:GLN:H	11	1.09
(1,1)	1:469:A:PHE:HD2	1:470:A:GLN:H	11	1.09
(1,1590)	1:411:A:HIS:HB2	1:411:A:HIS:HD2	9	1.08
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB1	17	1.08
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB2	17	1.08
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB3	17	1.08
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB1	17	1.08
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB2	17	1.08
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB3	17	1.08
(1,1537)	1:448:A:PHE:HD1	1:449:A:GLY:H	18	1.08
(1,1537)	1:448:A:PHE:HD2	1:449:A:GLY:H	18	1.08
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD1	19	1.08
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD2	19	1.08
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD1	18	1.08
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD2	18	1.08
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD2	17	1.08
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD3	17	1.08
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD2	19	1.08
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD3	19	1.08
(1,1473)	1:398:A:GLN:HA	1:398:A:GLN:HG2	16	1.08
(1,1473)	1:398:A:GLN:HA	1:398:A:GLN:HG2	18	1.08
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD11	9	1.08
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD12	9	1.08
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD13	9	1.08
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD11	11	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD12	11	1.08
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD13	11	1.08
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	16	1.08
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	16	1.08
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	16	1.08
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	16	1.08
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD2	19	1.08
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD3	19	1.08
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG21	4	1.08
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG22	4	1.08
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG23	4	1.08
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG21	13	1.08
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG22	13	1.08
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG23	13	1.08
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD11	7	1.08
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD12	7	1.08
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD13	7	1.08
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD21	7	1.08
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD22	7	1.08
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD23	7	1.08
(1,1243)	1:407:A:LEU:HG	1:459:A:ALA:HA	14	1.08
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB2	12	1.08
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB3	12	1.08
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB2	12	1.08
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB3	12	1.08
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB2	12	1.08
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB3	12	1.08
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD2	5	1.08
(1,1203)	1:440:A:LYS:H	1:440:A:LYS:HD3	5	1.08
(1,1201)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	5	1.08
(1,1201)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	5	1.08
(1,1192)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	15	1.08
(1,1188)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	15	1.08
(1,1172)	1:457:A:VAL:H	1:457:A:VAL:HB	7	1.08
(1,1165)	1:407:A:LEU:HG	1:459:A:ALA:HA	14	1.08
(1,1159)	1:459:A:ALA:HA	1:461:A:ALA:HA	11	1.08
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB2	16	1.08
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB3	16	1.08
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB2	16	1.08
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB3	16	1.08
(1,1061)	1:409:A:ILE:HA	1:409:A:ILE:HG12	1	1.08
(1,1054)	1:400:A:GLU:HA	1:400:A:GLU:HG2	15	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1031)	1:430:A:ASN:HB2	1:431:A:VAL:H	11	1.08
(1,1031)	1:430:A:ASN:HB3	1:431:A:VAL:H	11	1.08
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	4	1.08
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	4	1.08
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	4	1.08
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	4	1.08
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	4	1.08
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	4	1.08
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD11	14	1.08
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD12	14	1.08
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD13	14	1.08
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD11	14	1.08
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD12	14	1.08
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD13	14	1.08
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD11	14	1.08
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD12	14	1.08
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD13	14	1.08
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD11	14	1.08
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD12	14	1.08
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD13	14	1.08
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD11	14	1.08
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD12	14	1.08
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD13	14	1.08
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD11	14	1.08
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD12	14	1.08
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD13	14	1.08
(1,1018)	1:443:A:ASN:HB3	1:443:A:ASN:HD22	11	1.08
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB1	19	1.08
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB2	19	1.08
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB3	19	1.08
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD11	9	1.08
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD12	9	1.08
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD13	9	1.08
(1,973)	1:471:A:ILE:HG21	1:472:A:GLY:H	7	1.08
(1,973)	1:471:A:ILE:HG22	1:472:A:GLY:H	7	1.08
(1,973)	1:471:A:ILE:HG23	1:472:A:GLY:H	7	1.08
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG21	10	1.08
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG22	10	1.08
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG23	10	1.08
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG21	14	1.08
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG22	14	1.08
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG23	14	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG11	5	1.08
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG12	5	1.08
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG13	5	1.08
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG11	5	1.08
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG12	5	1.08
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG13	5	1.08
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG11	5	1.08
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG12	5	1.08
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG13	5	1.08
(1,926)	1:406:A:ASN:HB3	1:407:A:LEU:H	14	1.08
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB1	20	1.08
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB2	20	1.08
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB3	20	1.08
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB1	20	1.08
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB2	20	1.08
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB3	20	1.08
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB1	20	1.08
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB2	20	1.08
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB3	20	1.08
(1,860)	1:409:A:ILE:HG21	1:450:A:PHE:H	10	1.08
(1,860)	1:409:A:ILE:HG22	1:450:A:PHE:H	10	1.08
(1,860)	1:409:A:ILE:HG23	1:450:A:PHE:H	10	1.08
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB1	17	1.08
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB2	17	1.08
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB3	17	1.08
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB1	17	1.08
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB2	17	1.08
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB3	17	1.08
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB1	17	1.08
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB2	17	1.08
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB3	17	1.08
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD11	20	1.08
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD12	20	1.08
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD13	20	1.08
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD21	20	1.08
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD22	20	1.08
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD23	20	1.08
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG21	2	1.08
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG22	2	1.08
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG23	2	1.08
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG2	19	1.08
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG3	19	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,641)	1:466:A:MET:HB2	1:476:A:LEU:HG	19	1.08
(1,641)	1:466:A:MET:HB3	1:476:A:LEU:HG	19	1.08
(1,605)	1:426:A:MET:HA	1:429:A:GLY:H	19	1.08
(1,584)	1:428:A:PHE:H	1:428:A:PHE:HB3	8	1.08
(1,584)	1:428:A:PHE:H	1:428:A:PHE:HB3	11	1.08
(1,553)	1:422:A:LEU:HA	1:425:A:PHE:H	14	1.08
(1,553)	1:422:A:LEU:HA	1:425:A:PHE:H	15	1.08
(1,521)	1:433:A:SER:H	1:433:A:SER:HB3	5	1.08
(1,499)	1:467:A:ASN:HB2	1:467:A:ASN:HD22	10	1.08
(1,499)	1:467:A:ASN:HB2	1:467:A:ASN:HD22	14	1.08
(1,406)	1:471:A:ILE:HG21	1:472:A:GLY:H	7	1.08
(1,406)	1:471:A:ILE:HG22	1:472:A:GLY:H	7	1.08
(1,406)	1:471:A:ILE:HG23	1:472:A:GLY:H	7	1.08
(1,392)	1:430:A:ASN:H	1:454:A:ASP:H	20	1.08
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB1	17	1.08
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB2	17	1.08
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB3	17	1.08
(1,314)	1:474:A:LYS:HD2	1:475:A:ARG:H	16	1.08
(1,314)	1:474:A:LYS:HD3	1:475:A:ARG:H	16	1.08
(1,279)	1:458:A:SER:HB3	1:459:A:ALA:H	3	1.08
(1,273)	1:457:A:VAL:H	1:457:A:VAL:HB	7	1.08
(1,231)	1:437:A:PHE:HB3	1:438:A:ILE:H	20	1.08
(1,154)	1:406:A:ASN:HB3	1:407:A:LEU:H	14	1.08
(1,143)	1:410:A:TYR:H	1:410:A:TYR:HB2	5	1.08
(1,143)	1:410:A:TYR:H	1:410:A:TYR:HB2	14	1.08
(1,103)	1:407:A:LEU:HG	1:479:A:GLN:H	2	1.08
(1,67)	1:436:A:VAL:HB	1:437:A:PHE:H	12	1.08
(1,67)	1:436:A:VAL:HB	1:437:A:PHE:H	18	1.08
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG21	2	1.08
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG22	2	1.08
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG23	2	1.08
(1,29)	1:439:A:ASP:HB3	1:440:A:LYS:H	9	1.08
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD1	5	1.07
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD2	5	1.07
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD1	16	1.07
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD2	16	1.07
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD1	10	1.07
(1,1534)	1:410:A:TYR:HA	1:410:A:TYR:HD2	10	1.07
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG21	8	1.07
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG22	8	1.07
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG23	8	1.07
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG21	20	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG22	20	1.07
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG23	20	1.07
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG21	20	1.07
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG22	20	1.07
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG23	20	1.07
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD2	9	1.07
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD3	9	1.07
(1,1464)	1:431:A:VAL:HA	1:453:A:TYR:HA	3	1.07
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE1	13	1.07
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE2	13	1.07
(1,1434)	1:426:A:MET:HA	1:426:A:MET:HE3	13	1.07
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD11	15	1.07
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD12	15	1.07
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD13	15	1.07
(1,1394)	1:463:A:ILE:HG21	1:464:A:GLN:HA	20	1.07
(1,1394)	1:463:A:ILE:HG22	1:464:A:GLN:HA	20	1.07
(1,1394)	1:463:A:ILE:HG23	1:464:A:GLN:HA	20	1.07
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	11	1.07
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	11	1.07
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	11	1.07
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	11	1.07
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD2	9	1.07
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD3	9	1.07
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	10	1.07
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	10	1.07
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	10	1.07
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	18	1.07
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	18	1.07
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	18	1.07
(1,1243)	1:407:A:LEU:HG	1:459:A:ALA:HA	1	1.07
(1,1240)	1:432:A:ILE:HG12	1:454:A:ASP:H	15	1.07
(1,1240)	1:432:A:ILE:HG13	1:454:A:ASP:H	15	1.07
(1,1233)	1:419:A:GLN:HB2	1:420:A:ASP:H	11	1.07
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD2	20	1.07
(1,1205)	1:440:A:LYS:HA	1:440:A:LYS:HD3	20	1.07
(1,1165)	1:407:A:LEU:HG	1:459:A:ALA:HA	1	1.07
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB2	6	1.07
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB3	6	1.07
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB2	6	1.07
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB3	6	1.07
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB2	10	1.07
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB3	10	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB2	10	1.07
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB3	10	1.07
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG2	6	1.07
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG3	6	1.07
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG2	13	1.07
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG3	13	1.07
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD11	8	1.07
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD12	8	1.07
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD13	8	1.07
(1,1056)	1:451:A:VAL:HB	1:452:A:SER:H	8	1.07
(1,1056)	1:451:A:VAL:HB	1:452:A:SER:H	15	1.07
(1,1054)	1:400:A:GLU:HA	1:400:A:GLU:HG2	17	1.07
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD11	20	1.07
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD12	20	1.07
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD13	20	1.07
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG21	15	1.07
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG22	15	1.07
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG23	15	1.07
(1,954)	1:463:A:ILE:HG21	1:464:A:GLN:H	19	1.07
(1,954)	1:463:A:ILE:HG22	1:464:A:GLN:H	19	1.07
(1,954)	1:463:A:ILE:HG23	1:464:A:GLN:H	19	1.07
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB1	12	1.07
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB2	12	1.07
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB3	12	1.07
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB1	12	1.07
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB2	12	1.07
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB3	12	1.07
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB1	20	1.07
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB2	20	1.07
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB3	20	1.07
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB1	20	1.07
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB2	20	1.07
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB3	20	1.07
(1,940)	1:486:A:ASP:H	1:486:A:ASP:HB2	7	1.07
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG11	4	1.07
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG12	4	1.07
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG13	4	1.07
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG11	4	1.07
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG12	4	1.07
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG13	4	1.07
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG11	4	1.07
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG12	4	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG13	4	1.07
(1,926)	1:406:A:ASN:HB3	1:407:A:LEU:H	1	1.07
(1,921)	1:455:A:ASN:HB3	1:455:A:ASN:HD22	18	1.07
(1,860)	1:409:A:ILE:HG21	1:450:A:PHE:H	11	1.07
(1,860)	1:409:A:ILE:HG22	1:450:A:PHE:H	11	1.07
(1,860)	1:409:A:ILE:HG23	1:450:A:PHE:H	11	1.07
(1,824)	1:436:A:VAL:HG11	1:437:A:PHE:H	15	1.07
(1,824)	1:436:A:VAL:HG12	1:437:A:PHE:H	15	1.07
(1,824)	1:436:A:VAL:HG13	1:437:A:PHE:H	15	1.07
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG21	8	1.07
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG22	8	1.07
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG23	8	1.07
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	11	1.07
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	11	1.07
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG21	1	1.07
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG22	1	1.07
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG23	1	1.07
(1,672)	1:444:A:LEU:H	1:444:A:LEU:HG	18	1.07
(1,605)	1:426:A:MET:HA	1:429:A:GLY:H	10	1.07
(1,576)	1:398:A:GLN:HG2	1:398:A:GLN:HE22	1	1.07
(1,486)	1:406:A:ASN:H	1:406:A:ASN:HB2	15	1.07
(1,466)	1:422:A:LEU:HB2	1:423:A:GLN:H	13	1.07
(1,465)	1:422:A:LEU:HB3	1:423:A:GLN:H	9	1.07
(1,445)	1:418:A:ASP:HB2	1:419:A:GLN:H	2	1.07
(1,412)	1:441:A:GLN:H	1:443:A:ASN:H	12	1.07
(1,384)	1:444:A:LEU:H	1:444:A:LEU:HG	18	1.07
(1,370)	1:482:A:ARG:HB2	1:483:A:SER:H	6	1.07
(1,358)	1:460:A:GLN:HA	1:463:A:ILE:H	16	1.07
(1,329)	1:402:A:PRO:HG2	1:403:A:GLU:H	15	1.07
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG11	2	1.07
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG12	2	1.07
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG13	2	1.07
(1,280)	1:458:A:SER:HB2	1:459:A:ALA:H	4	1.07
(1,262)	1:486:A:ASP:H	1:486:A:ASP:HB2	7	1.07
(1,241)	1:399:A:LYS:HB2	1:400:A:GLU:H	19	1.07
(1,241)	1:399:A:LYS:HB3	1:400:A:GLU:H	19	1.07
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD1	14	1.07
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD2	14	1.07
(1,154)	1:406:A:ASN:HB3	1:407:A:LEU:H	1	1.07
(1,122)	1:473:A:MET:H	1:473:A:MET:HB2	19	1.07
(1,64)	1:436:A:VAL:HG11	1:437:A:PHE:H	15	1.07
(1,64)	1:436:A:VAL:HG12	1:437:A:PHE:H	15	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,64)	1:436:A:VAL:HG13	1:437:A:PHE:H	15	1.07
(1,21)	1:424:A:MET:H	1:426:A:MET:H	17	1.07
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD11	8	1.07
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD12	8	1.07
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD13	8	1.07
(1,17)	1:431:A:VAL:HG21	1:432:A:ILE:H	5	1.07
(1,17)	1:431:A:VAL:HG22	1:432:A:ILE:H	5	1.07
(1,17)	1:431:A:VAL:HG23	1:432:A:ILE:H	5	1.07
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD1	16	1.06
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD2	16	1.06
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD1	16	1.06
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD2	16	1.06
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD1	16	1.06
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD2	16	1.06
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	9	1.06
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	9	1.06
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	9	1.06
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	9	1.06
(1,1506)	1:426:A:MET:HE1	1:430:A:ASN:HA	14	1.06
(1,1506)	1:426:A:MET:HE2	1:430:A:ASN:HA	14	1.06
(1,1506)	1:426:A:MET:HE3	1:430:A:ASN:HA	14	1.06
(1,1473)	1:398:A:GLN:HA	1:398:A:GLN:HG2	4	1.06
(1,1473)	1:398:A:GLN:HA	1:398:A:GLN:HG2	6	1.06
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD11	3	1.06
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD12	3	1.06
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD13	3	1.06
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD11	19	1.06
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD12	19	1.06
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD13	19	1.06
(1,1230)	1:402:A:PRO:HG2	1:455:A:ASN:HA	20	1.06
(1,1201)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	7	1.06
(1,1201)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	7	1.06
(1,1191)	1:481:A:LYS:HB3	1:481:A:LYS:HD2	20	1.06
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG2	1	1.06
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG3	1	1.06
(1,1101)	1:477:A:LYS:HB2	1:478:A:VAL:H	18	1.06
(1,1101)	1:477:A:LYS:HB3	1:478:A:VAL:H	18	1.06
(1,1061)	1:409:A:ILE:HA	1:409:A:ILE:HG12	20	1.06
(1,1056)	1:451:A:VAL:HB	1:452:A:SER:H	20	1.06
(1,1054)	1:400:A:GLU:HA	1:400:A:GLU:HG2	9	1.06
(1,1054)	1:400:A:GLU:HA	1:400:A:GLU:HG2	10	1.06
(1,1054)	1:400:A:GLU:HA	1:400:A:GLU:HG2	20	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD11	13	1.06
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD12	13	1.06
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD13	13	1.06
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD11	6	1.06
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD12	6	1.06
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD13	6	1.06
(1,1031)	1:430:A:ASN:HB2	1:431:A:VAL:H	3	1.06
(1,1031)	1:430:A:ASN:HB3	1:431:A:VAL:H	3	1.06
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD11	20	1.06
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD12	20	1.06
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD13	20	1.06
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD11	20	1.06
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD12	20	1.06
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD13	20	1.06
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD11	20	1.06
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD12	20	1.06
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD13	20	1.06
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD11	20	1.06
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD12	20	1.06
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD13	20	1.06
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD11	20	1.06
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD12	20	1.06
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD13	20	1.06
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD11	20	1.06
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD12	20	1.06
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD13	20	1.06
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG21	12	1.06
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG22	12	1.06
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG23	12	1.06
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG21	12	1.06
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG22	12	1.06
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG23	12	1.06
(1,860)	1:409:A:ILE:HG21	1:450:A:PHE:H	15	1.06
(1,860)	1:409:A:ILE:HG22	1:450:A:PHE:H	15	1.06
(1,860)	1:409:A:ILE:HG23	1:450:A:PHE:H	15	1.06
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD11	2	1.06
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD12	2	1.06
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD13	2	1.06
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD21	2	1.06
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD22	2	1.06
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD23	2	1.06
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD11	11	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD12	11	1.06
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD13	11	1.06
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD21	11	1.06
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD22	11	1.06
(1,721)	1:444:A:LEU:H	1:444:A:LEU:HD23	11	1.06
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	15	1.06
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	15	1.06
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	15	1.06
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	15	1.06
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	15	1.06
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	15	1.06
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	15	1.06
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	15	1.06
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	15	1.06
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	1	1.06
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	1	1.06
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	1	1.06
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	1	1.06
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	1	1.06
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	1	1.06
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	1	1.06
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	1	1.06
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	1	1.06
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	1	1.06
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	1	1.06
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	1	1.06
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	4	1.06
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	4	1.06
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	4	1.06
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	4	1.06
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	4	1.06
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	4	1.06
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	4	1.06
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	4	1.06
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	4	1.06
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	4	1.06
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	4	1.06
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	4	1.06
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	7	1.06
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	7	1.06
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	7	1.06
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	7	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	7	1.06
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	7	1.06
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	7	1.06
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	7	1.06
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	7	1.06
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	7	1.06
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	7	1.06
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	7	1.06
(1,660)	1:406:A:ASN:H	1:480:A:LEU:HG	6	1.06
(1,642)	1:439:A:ASP:HB3	1:444:A:LEU:HG	2	1.06
(1,588)	1:409:A:ILE:H	1:449:A:GLY:H	5	1.06
(1,417)	1:439:A:ASP:HB2	1:441:A:GLN:H	18	1.06
(1,407)	1:417:A:GLY:H	1:420:A:ASP:H	7	1.06
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD11	11	1.06
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD12	11	1.06
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD13	11	1.06
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD21	11	1.06
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD22	11	1.06
(1,385)	1:444:A:LEU:H	1:444:A:LEU:HD23	11	1.06
(1,383)	1:444:A:LEU:H	1:444:A:LEU:HB2	7	1.06
(1,370)	1:482:A:ARG:HB2	1:483:A:SER:H	5	1.06
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG21	12	1.06
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG22	12	1.06
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG23	12	1.06
(1,329)	1:402:A:PRO:HG2	1:403:A:GLU:H	14	1.06
(1,302)	1:403:A:GLU:HG2	1:405:A:ALA:H	4	1.06
(1,302)	1:403:A:GLU:HG2	1:405:A:ALA:H	7	1.06
(1,288)	1:450:A:PHE:H	1:450:A:PHE:HB3	11	1.06
(1,283)	1:407:A:LEU:HG	1:459:A:ALA:H	13	1.06
(1,67)	1:436:A:VAL:HB	1:437:A:PHE:H	6	1.06
(1,67)	1:436:A:VAL:HB	1:437:A:PHE:H	9	1.06
(1,39)	1:477:A:LYS:HB2	1:478:A:VAL:H	18	1.06
(1,39)	1:477:A:LYS:HB3	1:478:A:VAL:H	18	1.06
(1,1532)	1:422:A:LEU:HA	1:422:A:LEU:HG	3	1.05
(1,1520)	1:434:A:ALA:HA	1:451:A:VAL:HA	6	1.05
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD2	6	1.05
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD3	6	1.05
(1,1473)	1:398:A:GLN:HA	1:398:A:GLN:HG2	11	1.05
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD1	18	1.05
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD2	18	1.05
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD11	5	1.05
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD12	5	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD13	5	1.05
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	7	1.05
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	7	1.05
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	7	1.05
(1,1239)	1:432:A:ILE:HG12	1:433:A:SER:H	9	1.05
(1,1239)	1:432:A:ILE:HG13	1:433:A:SER:H	9	1.05
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB2	16	1.05
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB3	16	1.05
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB2	16	1.05
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB3	16	1.05
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB2	16	1.05
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB3	16	1.05
(1,1172)	1:457:A:VAL:H	1:457:A:VAL:HB	17	1.05
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG2	13	1.05
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG3	13	1.05
(1,1108)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	4	1.05
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG21	8	1.05
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG22	8	1.05
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG23	8	1.05
(1,1056)	1:451:A:VAL:HB	1:452:A:SER:H	10	1.05
(1,1054)	1:400:A:GLU:HA	1:400:A:GLU:HG2	2	1.05
(1,1054)	1:400:A:GLU:HA	1:400:A:GLU:HG2	8	1.05
(1,987)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	9	1.05
(1,987)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	9	1.05
(1,985)	1:416:A:PHE:HB3	1:417:A:GLY:H	7	1.05
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG21	19	1.05
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG22	19	1.05
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG23	19	1.05
(1,960)	1:432:A:ILE:HG21	1:433:A:SER:H	8	1.05
(1,960)	1:432:A:ILE:HG22	1:433:A:SER:H	8	1.05
(1,960)	1:432:A:ILE:HG23	1:433:A:SER:H	8	1.05
(1,960)	1:432:A:ILE:HG21	1:433:A:SER:H	9	1.05
(1,960)	1:432:A:ILE:HG22	1:433:A:SER:H	9	1.05
(1,960)	1:432:A:ILE:HG23	1:433:A:SER:H	9	1.05
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG21	6	1.05
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG22	6	1.05
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG23	6	1.05
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG21	10	1.05
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG22	10	1.05
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG23	10	1.05
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG11	12	1.05
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG12	12	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG13	12	1.05
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG11	12	1.05
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG12	12	1.05
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG13	12	1.05
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG11	12	1.05
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG12	12	1.05
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG13	12	1.05
(1,838)	1:451:A:VAL:HG11	1:452:A:SER:H	18	1.05
(1,838)	1:451:A:VAL:HG12	1:452:A:SER:H	18	1.05
(1,838)	1:451:A:VAL:HG13	1:452:A:SER:H	18	1.05
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD11	12	1.05
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD12	12	1.05
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD13	12	1.05
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD21	12	1.05
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD22	12	1.05
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD23	12	1.05
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG21	9	1.05
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG22	9	1.05
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG23	9	1.05
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG21	19	1.05
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG22	19	1.05
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG23	19	1.05
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	5	1.05
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	5	1.05
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	5	1.05
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	5	1.05
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	5	1.05
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	5	1.05
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	5	1.05
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	5	1.05
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	5	1.05
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	5	1.05
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	5	1.05
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	5	1.05
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	13	1.05
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	13	1.05
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	13	1.05
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	13	1.05
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	13	1.05
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	13	1.05
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	13	1.05
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	13	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	13	1.05
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	13	1.05
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	13	1.05
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	13	1.05
(1,700)	1:476:A:LEU:HD11	1:477:A:LYS:H	12	1.05
(1,700)	1:476:A:LEU:HD12	1:477:A:LYS:H	12	1.05
(1,700)	1:476:A:LEU:HD13	1:477:A:LYS:H	12	1.05
(1,700)	1:476:A:LEU:HD21	1:477:A:LYS:H	12	1.05
(1,700)	1:476:A:LEU:HD22	1:477:A:LYS:H	12	1.05
(1,700)	1:476:A:LEU:HD23	1:477:A:LYS:H	12	1.05
(1,657)	1:474:A:LYS:HA	1:474:A:LYS:HG3	20	1.05
(1,649)	1:407:A:LEU:HD11	1:479:A:GLN:HA	11	1.05
(1,649)	1:407:A:LEU:HD12	1:479:A:GLN:HA	11	1.05
(1,649)	1:407:A:LEU:HD13	1:479:A:GLN:HA	11	1.05
(1,649)	1:407:A:LEU:HD21	1:479:A:GLN:HA	11	1.05
(1,649)	1:407:A:LEU:HD22	1:479:A:GLN:HA	11	1.05
(1,649)	1:407:A:LEU:HD23	1:479:A:GLN:HA	11	1.05
(1,638)	1:413:A:PRO:HD2	1:476:A:LEU:HG	6	1.05
(1,638)	1:413:A:PRO:HD3	1:476:A:LEU:HG	6	1.05
(1,600)	1:428:A:PHE:HB2	1:429:A:GLY:H	15	1.05
(1,600)	1:428:A:PHE:HB2	1:429:A:GLY:H	20	1.05
(1,563)	1:410:A:TYR:HB3	1:411:A:HIS:H	8	1.05
(1,521)	1:433:A:SER:H	1:433:A:SER:HB3	8	1.05
(1,486)	1:406:A:ASN:H	1:406:A:ASN:HB2	17	1.05
(1,481)	1:406:A:ASN:H	1:407:A:LEU:H	4	1.05
(1,478)	1:444:A:LEU:HB2	1:445:A:SER:H	8	1.05
(1,478)	1:444:A:LEU:HB2	1:445:A:SER:H	20	1.05
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB1	5	1.05
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB2	5	1.05
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB3	5	1.05
(1,383)	1:444:A:LEU:H	1:444:A:LEU:HB2	4	1.05
(1,370)	1:482:A:ARG:HB2	1:483:A:SER:H	8	1.05
(1,363)	1:407:A:LEU:HD11	1:463:A:ILE:H	12	1.05
(1,363)	1:407:A:LEU:HD12	1:463:A:ILE:H	12	1.05
(1,363)	1:407:A:LEU:HD13	1:463:A:ILE:H	12	1.05
(1,363)	1:407:A:LEU:HD21	1:463:A:ILE:H	12	1.05
(1,363)	1:407:A:LEU:HD22	1:463:A:ILE:H	12	1.05
(1,363)	1:407:A:LEU:HD23	1:463:A:ILE:H	12	1.05
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG21	6	1.05
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG22	6	1.05
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG23	6	1.05
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG21	10	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG22	10	1.05
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG23	10	1.05
(1,329)	1:402:A:PRO:HG2	1:403:A:GLU:H	7	1.05
(1,324)	1:451:A:VAL:HG11	1:452:A:SER:H	18	1.05
(1,324)	1:451:A:VAL:HG12	1:452:A:SER:H	18	1.05
(1,324)	1:451:A:VAL:HG13	1:452:A:SER:H	18	1.05
(1,283)	1:407:A:LEU:HG	1:459:A:ALA:H	6	1.05
(1,273)	1:457:A:VAL:H	1:457:A:VAL:HB	17	1.05
(1,158)	1:407:A:LEU:H	1:407:A:LEU:HB3	5	1.05
(1,158)	1:407:A:LEU:H	1:407:A:LEU:HB3	12	1.05
(1,152)	1:406:A:ASN:H	1:407:A:LEU:H	4	1.05
(1,113)	1:476:A:LEU:HD11	1:477:A:LYS:H	12	1.05
(1,113)	1:476:A:LEU:HD12	1:477:A:LYS:H	12	1.05
(1,113)	1:476:A:LEU:HD13	1:477:A:LYS:H	12	1.05
(1,113)	1:476:A:LEU:HD21	1:477:A:LYS:H	12	1.05
(1,113)	1:476:A:LEU:HD22	1:477:A:LYS:H	12	1.05
(1,113)	1:476:A:LEU:HD23	1:477:A:LYS:H	12	1.05
(1,100)	1:450:A:PHE:HD1	1:451:A:VAL:H	14	1.05
(1,100)	1:450:A:PHE:HD2	1:451:A:VAL:H	14	1.05
(1,84)	1:406:A:ASN:H	1:481:A:LYS:H	9	1.05
(1,67)	1:436:A:VAL:HB	1:437:A:PHE:H	14	1.05
(1,57)	1:470:A:GLN:HG2	1:471:A:ILE:H	17	1.05
(1,57)	1:470:A:GLN:HG3	1:471:A:ILE:H	17	1.05
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG21	9	1.05
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG22	9	1.05
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG23	9	1.05
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG21	19	1.05
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG22	19	1.05
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG23	19	1.05
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD2	18	1.04
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD3	18	1.04
(1,1473)	1:398:A:GLN:HA	1:398:A:GLN:HG2	3	1.04
(1,1473)	1:398:A:GLN:HA	1:398:A:GLN:HG2	10	1.04
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD11	18	1.04
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD12	18	1.04
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD13	18	1.04
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD11	17	1.04
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD12	17	1.04
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD13	17	1.04
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD11	10	1.04
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD12	10	1.04
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD13	10	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD11	11	1.04
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD12	11	1.04
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD13	11	1.04
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	15	1.04
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	15	1.04
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	15	1.04
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	15	1.04
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	15	1.04
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	15	1.04
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG21	2	1.04
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG22	2	1.04
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG23	2	1.04
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG21	2	1.04
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG22	2	1.04
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG23	2	1.04
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	5	1.04
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	5	1.04
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	5	1.04
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	5	1.04
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE2	13	1.04
(1,1374)	1:477:A:LYS:HB2	1:477:A:LYS:HE3	13	1.04
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE2	13	1.04
(1,1374)	1:477:A:LYS:HB3	1:477:A:LYS:HE3	13	1.04
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD2	18	1.04
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD3	18	1.04
(1,1348)	1:475:A:ARG:HA	1:475:A:ARG:HD2	5	1.04
(1,1197)	1:441:A:GLN:HB2	1:442:A:THR:H	19	1.04
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD11	18	1.04
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD12	18	1.04
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD13	18	1.04
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG21	15	1.04
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG22	15	1.04
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG23	15	1.04
(1,1042)	1:416:A:PHE:HD1	1:421:A:ILE:HD11	11	1.04
(1,1042)	1:416:A:PHE:HD1	1:421:A:ILE:HD12	11	1.04
(1,1042)	1:416:A:PHE:HD1	1:421:A:ILE:HD13	11	1.04
(1,1042)	1:416:A:PHE:HD2	1:421:A:ILE:HD11	11	1.04
(1,1042)	1:416:A:PHE:HD2	1:421:A:ILE:HD12	11	1.04
(1,1042)	1:416:A:PHE:HD2	1:421:A:ILE:HD13	11	1.04
(1,1005)	1:425:A:PHE:HB2	1:426:A:MET:H	12	1.04
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG21	2	1.04
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG22	2	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG23	2	1.04
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG21	16	1.04
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG22	16	1.04
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG23	16	1.04
(1,941)	1:409:A:ILE:HB	1:410:A:TYR:H	5	1.04
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG11	10	1.04
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG12	10	1.04
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG13	10	1.04
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG11	10	1.04
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG12	10	1.04
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG13	10	1.04
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG11	10	1.04
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG12	10	1.04
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG13	10	1.04
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG11	20	1.04
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG12	20	1.04
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG13	20	1.04
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG11	20	1.04
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG12	20	1.04
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG13	20	1.04
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG11	20	1.04
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG12	20	1.04
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG13	20	1.04
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB1	6	1.04
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB2	6	1.04
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB3	6	1.04
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB1	6	1.04
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB2	6	1.04
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB3	6	1.04
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB1	6	1.04
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB2	6	1.04
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB3	6	1.04
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD2	1	1.04
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD3	1	1.04
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD2	11	1.04
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD3	11	1.04
(1,824)	1:436:A:VAL:HG11	1:437:A:PHE:H	9	1.04
(1,824)	1:436:A:VAL:HG12	1:437:A:PHE:H	9	1.04
(1,824)	1:436:A:VAL:HG13	1:437:A:PHE:H	9	1.04
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB1	1	1.04
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB2	1	1.04
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB3	1	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB1	1	1.04
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB2	1	1.04
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB3	1	1.04
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB1	1	1.04
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB2	1	1.04
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB3	1	1.04
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG11	8	1.04
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG12	8	1.04
(1,792)	1:469:A:PHE:H	1:478:A:VAL:HG13	8	1.04
(1,738)	1:431:A:VAL:HG11	1:432:A:ILE:H	15	1.04
(1,738)	1:431:A:VAL:HG12	1:432:A:ILE:H	15	1.04
(1,738)	1:431:A:VAL:HG13	1:432:A:ILE:H	15	1.04
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG21	8	1.04
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG22	8	1.04
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG23	8	1.04
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG21	18	1.04
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG22	18	1.04
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG23	18	1.04
(1,679)	1:477:A:LYS:HG2	1:478:A:VAL:H	10	1.04
(1,679)	1:477:A:LYS:HG3	1:478:A:VAL:H	10	1.04
(1,605)	1:426:A:MET:HA	1:429:A:GLY:H	14	1.04
(1,591)	1:448:A:PHE:HB2	1:449:A:GLY:H	20	1.04
(1,591)	1:448:A:PHE:HB3	1:449:A:GLY:H	20	1.04
(1,588)	1:409:A:ILE:H	1:449:A:GLY:H	9	1.04
(1,579)	1:400:A:GLU:HB3	1:401:A:GLY:H	4	1.04
(1,523)	1:431:A:VAL:HG21	1:433:A:SER:H	3	1.04
(1,523)	1:431:A:VAL:HG22	1:433:A:SER:H	3	1.04
(1,523)	1:431:A:VAL:HG23	1:433:A:SER:H	3	1.04
(1,521)	1:433:A:SER:H	1:433:A:SER:HB3	2	1.04
(1,521)	1:433:A:SER:H	1:433:A:SER:HB3	7	1.04
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB1	7	1.04
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB2	7	1.04
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB3	7	1.04
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB1	12	1.04
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB2	12	1.04
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB3	12	1.04
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD11	10	1.04
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD12	10	1.04
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD13	10	1.04
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD21	10	1.04
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD22	10	1.04
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD23	10	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,383)	1:444:A:LEU:H	1:444:A:LEU:HB2	16	1.04
(1,358)	1:460:A:GLN:HA	1:463:A:ILE:H	1	1.04
(1,329)	1:402:A:PRO:HG2	1:403:A:GLU:H	13	1.04
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD11	4	1.04
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD12	4	1.04
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD13	4	1.04
(1,231)	1:437:A:PHE:HB3	1:438:A:ILE:H	16	1.04
(1,158)	1:407:A:LEU:H	1:407:A:LEU:HB3	19	1.04
(1,64)	1:436:A:VAL:HG11	1:437:A:PHE:H	9	1.04
(1,64)	1:436:A:VAL:HG12	1:437:A:PHE:H	9	1.04
(1,64)	1:436:A:VAL:HG13	1:437:A:PHE:H	9	1.04
(1,57)	1:470:A:GLN:HG2	1:471:A:ILE:H	7	1.04
(1,57)	1:470:A:GLN:HG3	1:471:A:ILE:H	7	1.04
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG21	8	1.04
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG22	8	1.04
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG23	8	1.04
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG21	18	1.04
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG22	18	1.04
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG23	18	1.04
(1,1583)	1:416:A:PHE:HD1	1:417:A:GLY:H	13	1.03
(1,1583)	1:416:A:PHE:HD2	1:417:A:GLY:H	13	1.03
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB1	6	1.03
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB2	6	1.03
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB3	6	1.03
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB1	6	1.03
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB2	6	1.03
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB3	6	1.03
(1,1537)	1:448:A:PHE:HD1	1:449:A:GLY:H	19	1.03
(1,1537)	1:448:A:PHE:HD2	1:449:A:GLY:H	19	1.03
(1,1491)	1:407:A:LEU:HD11	1:459:A:ALA:HA	15	1.03
(1,1491)	1:407:A:LEU:HD12	1:459:A:ALA:HA	15	1.03
(1,1491)	1:407:A:LEU:HD13	1:459:A:ALA:HA	15	1.03
(1,1491)	1:407:A:LEU:HD21	1:459:A:ALA:HA	15	1.03
(1,1491)	1:407:A:LEU:HD22	1:459:A:ALA:HA	15	1.03
(1,1491)	1:407:A:LEU:HD23	1:459:A:ALA:HA	15	1.03
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	13	1.03
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	13	1.03
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	13	1.03
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	13	1.03
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	13	1.03
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	13	1.03
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB1	15	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB2	15	1.03
(1,1366)	1:428:A:PHE:HB3	1:462:A:ALA:HB3	15	1.03
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG11	9	1.03
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG12	9	1.03
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG13	9	1.03
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD11	14	1.03
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD12	14	1.03
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD13	14	1.03
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD21	14	1.03
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD22	14	1.03
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD23	14	1.03
(1,1239)	1:432:A:ILE:HG12	1:433:A:SER:H	1	1.03
(1,1239)	1:432:A:ILE:HG13	1:433:A:SER:H	1	1.03
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB2	4	1.03
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB3	4	1.03
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB2	4	1.03
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB3	4	1.03
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB2	4	1.03
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB3	4	1.03
(1,1191)	1:481:A:LYS:HB3	1:481:A:LYS:HD2	16	1.03
(1,1169)	1:462:A:ALA:HA	1:465:A:ALA:H	15	1.03
(1,1164)	1:407:A:LEU:HD11	1:459:A:ALA:HA	15	1.03
(1,1164)	1:407:A:LEU:HD12	1:459:A:ALA:HA	15	1.03
(1,1164)	1:407:A:LEU:HD13	1:459:A:ALA:HA	15	1.03
(1,1164)	1:407:A:LEU:HD21	1:459:A:ALA:HA	15	1.03
(1,1164)	1:407:A:LEU:HD22	1:459:A:ALA:HA	15	1.03
(1,1164)	1:407:A:LEU:HD23	1:459:A:ALA:HA	15	1.03
(1,1103)	1:441:A:GLN:HA	1:441:A:GLN:HG3	1	1.03
(1,1101)	1:477:A:LYS:HB2	1:478:A:VAL:H	2	1.03
(1,1101)	1:477:A:LYS:HB3	1:478:A:VAL:H	2	1.03
(1,1101)	1:477:A:LYS:HB2	1:478:A:VAL:H	12	1.03
(1,1101)	1:477:A:LYS:HB3	1:478:A:VAL:H	12	1.03
(1,1069)	1:432:A:ILE:HD11	1:454:A:ASP:HA	5	1.03
(1,1069)	1:432:A:ILE:HD12	1:454:A:ASP:HA	5	1.03
(1,1069)	1:432:A:ILE:HD13	1:454:A:ASP:HA	5	1.03
(1,1056)	1:451:A:VAL:HB	1:452:A:SER:H	1	1.03
(1,1054)	1:400:A:GLU:HA	1:400:A:GLU:HG2	18	1.03
(1,1018)	1:443:A:ASN:HB3	1:443:A:ASN:HD22	20	1.03
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG21	4	1.03
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG22	4	1.03
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG23	4	1.03
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG21	5	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG22	5	1.03
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG23	5	1.03
(1,954)	1:463:A:ILE:HG21	1:464:A:GLN:H	18	1.03
(1,954)	1:463:A:ILE:HG22	1:464:A:GLN:H	18	1.03
(1,954)	1:463:A:ILE:HG23	1:464:A:GLN:H	18	1.03
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG21	11	1.03
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG22	11	1.03
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG23	11	1.03
(1,815)	1:434:A:ALA:HB1	1:435:A:LYS:HA	17	1.03
(1,815)	1:434:A:ALA:HB2	1:435:A:LYS:HA	17	1.03
(1,815)	1:434:A:ALA:HB3	1:435:A:LYS:HA	17	1.03
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG21	20	1.03
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG22	20	1.03
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG23	20	1.03
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	11	1.03
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	11	1.03
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	11	1.03
(1,724)	1:407:A:LEU:HB3	1:408:A:PHE:H	13	1.03
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG21	11	1.03
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG22	11	1.03
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG23	11	1.03
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG2	12	1.03
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG3	12	1.03
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG2	12	1.03
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG3	12	1.03
(1,679)	1:477:A:LYS:HG2	1:478:A:VAL:H	3	1.03
(1,679)	1:477:A:LYS:HG3	1:478:A:VAL:H	3	1.03
(1,637)	1:476:A:LEU:HA	1:476:A:LEU:HG	11	1.03
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG11	13	1.03
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG12	13	1.03
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG13	13	1.03
(1,521)	1:433:A:SER:H	1:433:A:SER:HB3	3	1.03
(1,485)	1:406:A:ASN:H	1:406:A:ASN:HB3	10	1.03
(1,485)	1:406:A:ASN:H	1:406:A:ASN:HB3	18	1.03
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD1	8	1.03
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD2	8	1.03
(1,421)	1:462:A:ALA:HA	1:465:A:ALA:H	15	1.03
(1,370)	1:482:A:ARG:HB2	1:483:A:SER:H	3	1.03
(1,349)	1:407:A:LEU:HB3	1:408:A:PHE:H	13	1.03
(1,286)	1:435:A:LYS:H	1:450:A:PHE:H	5	1.03
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG21	11	1.03
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG22	11	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG23	11	1.03
(1,244)	1:399:A:LYS:HD2	1:400:A:GLU:H	20	1.03
(1,244)	1:399:A:LYS:HD3	1:400:A:GLU:H	20	1.03
(1,241)	1:399:A:LYS:HB2	1:400:A:GLU:H	6	1.03
(1,241)	1:399:A:LYS:HB3	1:400:A:GLU:H	6	1.03
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG21	4	1.03
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG22	4	1.03
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG23	4	1.03
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG21	5	1.03
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG22	5	1.03
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG23	5	1.03
(1,207)	1:417:A:GLY:H	1:418:A:ASP:H	7	1.03
(1,206)	1:412:A:LEU:HD11	1:416:A:PHE:H	16	1.03
(1,206)	1:412:A:LEU:HD12	1:416:A:PHE:H	16	1.03
(1,206)	1:412:A:LEU:HD13	1:416:A:PHE:H	16	1.03
(1,206)	1:412:A:LEU:HD21	1:416:A:PHE:H	16	1.03
(1,206)	1:412:A:LEU:HD22	1:416:A:PHE:H	16	1.03
(1,206)	1:412:A:LEU:HD23	1:416:A:PHE:H	16	1.03
(1,157)	1:406:A:ASN:HB2	1:407:A:LEU:H	17	1.03
(1,121)	1:473:A:MET:H	1:473:A:MET:HG2	19	1.03
(1,57)	1:470:A:GLN:HG2	1:471:A:ILE:H	6	1.03
(1,57)	1:470:A:GLN:HG3	1:471:A:ILE:H	6	1.03
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG21	11	1.03
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG22	11	1.03
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG23	11	1.03
(1,39)	1:477:A:LYS:HB2	1:478:A:VAL:H	2	1.03
(1,39)	1:477:A:LYS:HB3	1:478:A:VAL:H	2	1.03
(1,39)	1:477:A:LYS:HB2	1:478:A:VAL:H	12	1.03
(1,39)	1:477:A:LYS:HB3	1:478:A:VAL:H	12	1.03
(1,1598)	1:453:A:TYR:HE1	1:459:A:ALA:HA	19	1.02
(1,1598)	1:453:A:TYR:HE2	1:459:A:ALA:HA	19	1.02
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD1	5	1.02
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD2	5	1.02
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG21	2	1.02
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG22	2	1.02
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG23	2	1.02
(1,1506)	1:426:A:MET:HE1	1:430:A:ASN:HA	3	1.02
(1,1506)	1:426:A:MET:HE2	1:430:A:ASN:HA	3	1.02
(1,1506)	1:426:A:MET:HE3	1:430:A:ASN:HA	3	1.02
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG11	1	1.02
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG12	1	1.02
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG13	1	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD11	12	1.02
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD12	12	1.02
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD13	12	1.02
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG21	6	1.02
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG22	6	1.02
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG23	6	1.02
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG21	6	1.02
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG22	6	1.02
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG23	6	1.02
(1,1394)	1:463:A:ILE:HG21	1:464:A:GLN:HA	19	1.02
(1,1394)	1:463:A:ILE:HG22	1:464:A:GLN:HA	19	1.02
(1,1394)	1:463:A:ILE:HG23	1:464:A:GLN:HA	19	1.02
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD11	11	1.02
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD12	11	1.02
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD13	11	1.02
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD21	11	1.02
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD22	11	1.02
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD23	11	1.02
(1,1192)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	18	1.02
(1,1188)	1:481:A:LYS:HB3	1:481:A:LYS:HD3	18	1.02
(1,1163)	1:453:A:TYR:HE1	1:459:A:ALA:HA	19	1.02
(1,1163)	1:453:A:TYR:HE2	1:459:A:ALA:HA	19	1.02
(1,1161)	1:459:A:ALA:HA	1:461:A:ALA:H	9	1.02
(1,1088)	1:419:A:GLN:HA	1:422:A:LEU:H	10	1.02
(1,1073)	1:432:A:ILE:HD11	1:454:A:ASP:H	15	1.02
(1,1073)	1:432:A:ILE:HD12	1:454:A:ASP:H	15	1.02
(1,1073)	1:432:A:ILE:HD13	1:454:A:ASP:H	15	1.02
(1,1061)	1:409:A:ILE:HA	1:409:A:ILE:HG12	4	1.02
(1,1056)	1:451:A:VAL:HB	1:452:A:SER:H	4	1.02
(1,1056)	1:451:A:VAL:HB	1:452:A:SER:H	17	1.02
(1,1054)	1:400:A:GLU:HA	1:400:A:GLU:HG2	12	1.02
(1,1031)	1:430:A:ASN:HB2	1:431:A:VAL:H	14	1.02
(1,1031)	1:430:A:ASN:HB3	1:431:A:VAL:H	14	1.02
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD11	19	1.02
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD12	19	1.02
(1,996)	1:409:A:ILE:HD11	1:421:A:ILE:HD13	19	1.02
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD11	19	1.02
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD12	19	1.02
(1,996)	1:409:A:ILE:HD12	1:421:A:ILE:HD13	19	1.02
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD11	19	1.02
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD12	19	1.02
(1,996)	1:409:A:ILE:HD13	1:421:A:ILE:HD13	19	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG21	6	1.02
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG22	6	1.02
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG23	6	1.02
(1,960)	1:432:A:ILE:HG21	1:433:A:SER:H	19	1.02
(1,960)	1:432:A:ILE:HG22	1:433:A:SER:H	19	1.02
(1,960)	1:432:A:ILE:HG23	1:433:A:SER:H	19	1.02
(1,954)	1:463:A:ILE:HG21	1:464:A:GLN:H	8	1.02
(1,954)	1:463:A:ILE:HG22	1:464:A:GLN:H	8	1.02
(1,954)	1:463:A:ILE:HG23	1:464:A:GLN:H	8	1.02
(1,941)	1:409:A:ILE:HB	1:410:A:TYR:H	1	1.02
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG11	14	1.02
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG12	14	1.02
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG13	14	1.02
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG11	14	1.02
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG12	14	1.02
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG13	14	1.02
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG11	14	1.02
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG12	14	1.02
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG13	14	1.02
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB1	14	1.02
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB2	14	1.02
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB3	14	1.02
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB1	14	1.02
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB2	14	1.02
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB3	14	1.02
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB1	14	1.02
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB2	14	1.02
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB3	14	1.02
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG11	1	1.02
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG12	1	1.02
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG13	1	1.02
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD2	10	1.02
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD3	10	1.02
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD2	10	1.02
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD3	10	1.02
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD2	10	1.02
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD3	10	1.02
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG2	7	1.02
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG3	7	1.02
(1,588)	1:409:A:ILE:H	1:449:A:GLY:H	17	1.02
(1,588)	1:409:A:ILE:H	1:449:A:GLY:H	18	1.02
(1,553)	1:422:A:LEU:HA	1:425:A:PHE:H	17	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,521)	1:433:A:SER:H	1:433:A:SER:HB3	4	1.02
(1,507)	1:454:A:ASP:H	1:455:A:ASN:H	9	1.02
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB1	6	1.02
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB2	6	1.02
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB3	6	1.02
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB1	10	1.02
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB2	10	1.02
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB3	10	1.02
(1,438)	1:420:A:ASP:HB3	1:421:A:ILE:H	1	1.02
(1,392)	1:430:A:ASN:H	1:454:A:ASP:H	1	1.02
(1,381)	1:439:A:ASP:HB2	1:444:A:LEU:H	17	1.02
(1,370)	1:482:A:ARG:HB2	1:483:A:SER:H	12	1.02
(1,329)	1:402:A:PRO:HG2	1:403:A:GLU:H	6	1.02
(1,319)	1:474:A:LYS:H	1:474:A:LYS:HB2	4	1.02
(1,294)	1:409:A:ILE:HD11	1:450:A:PHE:H	1	1.02
(1,294)	1:409:A:ILE:HD12	1:450:A:PHE:H	1	1.02
(1,294)	1:409:A:ILE:HD13	1:450:A:PHE:H	1	1.02
(1,210)	1:418:A:ASP:H	1:420:A:ASP:HB2	2	1.02
(1,186)	1:459:A:ALA:HA	1:461:A:ALA:H	9	1.02
(1,178)	1:419:A:GLN:HA	1:422:A:LEU:H	10	1.02
(1,170)	1:483:A:SER:HB2	1:484:A:LYS:H	6	1.02
(1,170)	1:483:A:SER:HB3	1:484:A:LYS:H	6	1.02
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG11	1	1.02
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG12	1	1.02
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG13	1	1.02
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG11	11	1.02
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG12	11	1.02
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG13	11	1.02
(1,143)	1:410:A:TYR:H	1:410:A:TYR:HB2	13	1.02
(1,143)	1:410:A:TYR:H	1:410:A:TYR:HB2	18	1.02
(1,133)	1:405:A:ALA:HB1	1:451:A:VAL:H	13	1.02
(1,133)	1:405:A:ALA:HB2	1:451:A:VAL:H	13	1.02
(1,133)	1:405:A:ALA:HB3	1:451:A:VAL:H	13	1.02
(1,120)	1:473:A:MET:H	1:473:A:MET:HG3	13	1.02
(1,101)	1:450:A:PHE:HB3	1:451:A:VAL:H	9	1.02
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG2	7	1.02
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG3	7	1.02
(1,67)	1:436:A:VAL:HB	1:437:A:PHE:H	20	1.02
(1,29)	1:439:A:ASP:HB3	1:440:A:LYS:H	1	1.02
(1,1588)	1:411:A:HIS:H	1:411:A:HIS:HD2	1	1.01
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	2	1.01
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	2	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	2	1.01
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	2	1.01
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	2	1.01
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	2	1.01
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD2	5	1.01
(1,1509)	1:481:A:LYS:HA	1:481:A:LYS:HD3	5	1.01
(1,1498)	1:428:A:PHE:HE1	1:465:A:ALA:HA	5	1.01
(1,1498)	1:428:A:PHE:HE2	1:465:A:ALA:HA	5	1.01
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD2	12	1.01
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD3	12	1.01
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD11	14	1.01
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD12	14	1.01
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD13	14	1.01
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD11	15	1.01
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD12	15	1.01
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD13	15	1.01
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	1	1.01
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	1	1.01
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	1	1.01
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	1	1.01
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	1	1.01
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	1	1.01
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	1	1.01
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	1	1.01
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	1	1.01
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	1	1.01
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	1	1.01
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	1	1.01
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	1	1.01
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	1	1.01
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	1	1.01
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	1	1.01
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	1	1.01
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	1	1.01
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	4	1.01
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	4	1.01
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	4	1.01
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	4	1.01
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	4	1.01
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	4	1.01
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	4	1.01
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	4	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	4	1.01
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	4	1.01
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	4	1.01
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	4	1.01
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	4	1.01
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	4	1.01
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	4	1.01
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	4	1.01
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	4	1.01
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	4	1.01
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD11	3	1.01
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD12	3	1.01
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD13	3	1.01
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD2	12	1.01
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD3	12	1.01
(1,1348)	1:475:A:ARG:HA	1:475:A:ARG:HD2	3	1.01
(1,1302)	1:476:A:LEU:HD11	1:478:A:VAL:HG11	9	1.01
(1,1302)	1:476:A:LEU:HD11	1:478:A:VAL:HG12	9	1.01
(1,1302)	1:476:A:LEU:HD11	1:478:A:VAL:HG13	9	1.01
(1,1302)	1:476:A:LEU:HD12	1:478:A:VAL:HG11	9	1.01
(1,1302)	1:476:A:LEU:HD12	1:478:A:VAL:HG12	9	1.01
(1,1302)	1:476:A:LEU:HD12	1:478:A:VAL:HG13	9	1.01
(1,1302)	1:476:A:LEU:HD13	1:478:A:VAL:HG11	9	1.01
(1,1302)	1:476:A:LEU:HD13	1:478:A:VAL:HG12	9	1.01
(1,1302)	1:476:A:LEU:HD13	1:478:A:VAL:HG13	9	1.01
(1,1302)	1:476:A:LEU:HD21	1:478:A:VAL:HG11	9	1.01
(1,1302)	1:476:A:LEU:HD21	1:478:A:VAL:HG12	9	1.01
(1,1302)	1:476:A:LEU:HD21	1:478:A:VAL:HG13	9	1.01
(1,1302)	1:476:A:LEU:HD22	1:478:A:VAL:HG11	9	1.01
(1,1302)	1:476:A:LEU:HD22	1:478:A:VAL:HG12	9	1.01
(1,1302)	1:476:A:LEU:HD22	1:478:A:VAL:HG13	9	1.01
(1,1302)	1:476:A:LEU:HD23	1:478:A:VAL:HG11	9	1.01
(1,1302)	1:476:A:LEU:HD23	1:478:A:VAL:HG12	9	1.01
(1,1302)	1:476:A:LEU:HD23	1:478:A:VAL:HG13	9	1.01
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD11	4	1.01
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD12	4	1.01
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD13	4	1.01
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD21	4	1.01
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD22	4	1.01
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD23	4	1.01
(1,1233)	1:419:A:GLN:HB2	1:420:A:ASP:H	15	1.01
(1,1159)	1:459:A:ALA:HA	1:461:A:ALA:HA	15	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG2	10	1.01
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG3	10	1.01
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD11	14	1.01
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD12	14	1.01
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD13	14	1.01
(1,1061)	1:409:A:ILE:HA	1:409:A:ILE:HG12	5	1.01
(1,1031)	1:430:A:ASN:HB2	1:431:A:VAL:H	10	1.01
(1,1031)	1:430:A:ASN:HB3	1:431:A:VAL:H	10	1.01
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB1	20	1.01
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB2	20	1.01
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB3	20	1.01
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG21	12	1.01
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG22	12	1.01
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG23	12	1.01
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG21	7	1.01
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG22	7	1.01
(1,953)	1:463:A:ILE:H	1:463:A:ILE:HG23	7	1.01
(1,941)	1:409:A:ILE:HB	1:410:A:TYR:H	12	1.01
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	9	1.01
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	9	1.01
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	9	1.01
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	9	1.01
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	9	1.01
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	9	1.01
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	9	1.01
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	9	1.01
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	9	1.01
(1,824)	1:436:A:VAL:HG11	1:437:A:PHE:H	12	1.01
(1,824)	1:436:A:VAL:HG12	1:437:A:PHE:H	12	1.01
(1,824)	1:436:A:VAL:HG13	1:437:A:PHE:H	12	1.01
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	9	1.01
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	9	1.01
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	9	1.01
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	9	1.01
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	9	1.01
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	9	1.01
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	9	1.01
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	9	1.01
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	9	1.01
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB1	9	1.01
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB2	9	1.01
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB3	9	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	1	1.01
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	1	1.01
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	1	1.01
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	1	1.01
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	1	1.01
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	1	1.01
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	1	1.01
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	1	1.01
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	1	1.01
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	1	1.01
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	1	1.01
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	1	1.01
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	1	1.01
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	1	1.01
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	1	1.01
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	1	1.01
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	1	1.01
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	1	1.01
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	4	1.01
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	4	1.01
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	4	1.01
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	4	1.01
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	4	1.01
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	4	1.01
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	4	1.01
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	4	1.01
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	4	1.01
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	4	1.01
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	4	1.01
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	4	1.01
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	4	1.01
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	4	1.01
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	4	1.01
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	4	1.01
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	4	1.01
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	4	1.01
(1,659)	1:480:A:LEU:HG	1:481:A:LYS:H	5	1.01
(1,657)	1:474:A:LYS:HA	1:474:A:LYS:HG3	14	1.01
(1,637)	1:476:A:LEU:HA	1:476:A:LEU:HG	18	1.01
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG11	7	1.01
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG12	7	1.01
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG13	7	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,521)	1:433:A:SER:H	1:433:A:SER:HB3	12	1.01
(1,485)	1:406:A:ASN:H	1:406:A:ASN:HB3	4	1.01
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB1	2	1.01
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB2	2	1.01
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB3	2	1.01
(1,438)	1:420:A:ASP:HB3	1:421:A:ILE:H	18	1.01
(1,412)	1:441:A:GLN:H	1:443:A:ASN:H	2	1.01
(1,412)	1:441:A:GLN:H	1:443:A:ASN:H	20	1.01
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG21	7	1.01
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG22	7	1.01
(1,361)	1:463:A:ILE:H	1:463:A:ILE:HG23	7	1.01
(1,358)	1:460:A:GLN:HA	1:463:A:ILE:H	12	1.01
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG21	12	1.01
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG22	12	1.01
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG23	12	1.01
(1,231)	1:437:A:PHE:HB3	1:438:A:ILE:H	8	1.01
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD1	16	1.01
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD2	16	1.01
(1,143)	1:410:A:TYR:H	1:410:A:TYR:HB2	9	1.01
(1,133)	1:405:A:ALA:HB1	1:451:A:VAL:H	14	1.01
(1,133)	1:405:A:ALA:HB2	1:451:A:VAL:H	14	1.01
(1,133)	1:405:A:ALA:HB3	1:451:A:VAL:H	14	1.01
(1,64)	1:436:A:VAL:HG11	1:437:A:PHE:H	12	1.01
(1,64)	1:436:A:VAL:HG12	1:437:A:PHE:H	12	1.01
(1,64)	1:436:A:VAL:HG13	1:437:A:PHE:H	12	1.01
(1,29)	1:439:A:ASP:HB3	1:440:A:LYS:H	7	1.01
(1,1498)	1:428:A:PHE:HE1	1:465:A:ALA:HA	2	1.0
(1,1498)	1:428:A:PHE:HE2	1:465:A:ALA:HA	2	1.0
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG21	16	1.0
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG22	16	1.0
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG23	16	1.0
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG21	16	1.0
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG22	16	1.0
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG23	16	1.0
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD2	4	1.0
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD3	4	1.0
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD2	7	1.0
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD3	7	1.0
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD2	10	1.0
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD3	10	1.0
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD11	9	1.0
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD12	9	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD13	9	1.0
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	16	1.0
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	16	1.0
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	16	1.0
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	16	1.0
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	16	1.0
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	16	1.0
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	16	1.0
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	16	1.0
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	16	1.0
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD2	4	1.0
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD3	4	1.0
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD2	7	1.0
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD3	7	1.0
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD2	10	1.0
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD3	10	1.0
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	5	1.0
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	5	1.0
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	5	1.0
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG21	10	1.0
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG22	10	1.0
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG23	10	1.0
(1,1197)	1:441:A:GLN:HB2	1:442:A:THR:H	5	1.0
(1,1169)	1:462:A:ALA:HA	1:465:A:ALA:H	19	1.0
(1,1162)	1:453:A:TYR:HD1	1:459:A:ALA:HA	11	1.0
(1,1162)	1:453:A:TYR:HD2	1:459:A:ALA:HA	11	1.0
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG2	12	1.0
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG3	12	1.0
(1,1127)	1:467:A:ASN:HA	1:469:A:PHE:H	15	1.0
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD11	9	1.0
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD12	9	1.0
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD13	9	1.0
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG2	19	1.0
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG3	19	1.0
(1,987)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	15	1.0
(1,987)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	15	1.0
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG21	4	1.0
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG22	4	1.0
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG23	4	1.0
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG21	13	1.0
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG22	13	1.0
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG23	13	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,954)	1:463:A:ILE:HG21	1:464:A:GLN:H	9	1.0
(1,954)	1:463:A:ILE:HG22	1:464:A:GLN:H	9	1.0
(1,954)	1:463:A:ILE:HG23	1:464:A:GLN:H	9	1.0
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	16	1.0
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	16	1.0
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	16	1.0
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	16	1.0
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	16	1.0
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	16	1.0
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	16	1.0
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	16	1.0
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	16	1.0
(1,941)	1:409:A:ILE:HB	1:410:A:TYR:H	6	1.0
(1,941)	1:409:A:ILE:HB	1:410:A:TYR:H	19	1.0
(1,926)	1:406:A:ASN:HB3	1:407:A:LEU:H	12	1.0
(1,914)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	20	1.0
(1,914)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	20	1.0
(1,914)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	20	1.0
(1,914)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	20	1.0
(1,883)	1:453:A:TYR:HB3	1:454:A:ASP:H	4	1.0
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD2	8	1.0
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD3	8	1.0
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG11	16	1.0
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG12	16	1.0
(1,827)	1:436:A:VAL:H	1:436:A:VAL:HG13	16	1.0
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG11	5	1.0
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG12	5	1.0
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG13	5	1.0
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG21	12	1.0
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG22	12	1.0
(1,712)	1:478:A:VAL:H	1:478:A:VAL:HG23	12	1.0
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG21	16	1.0
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG22	16	1.0
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG23	16	1.0
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	14	1.0
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	14	1.0
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	14	1.0
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	14	1.0
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	14	1.0
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	14	1.0
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	14	1.0
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	14	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	14	1.0
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	14	1.0
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	14	1.0
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	14	1.0
(1,700)	1:476:A:LEU:HD11	1:477:A:LYS:H	11	1.0
(1,700)	1:476:A:LEU:HD12	1:477:A:LYS:H	11	1.0
(1,700)	1:476:A:LEU:HD13	1:477:A:LYS:H	11	1.0
(1,700)	1:476:A:LEU:HD21	1:477:A:LYS:H	11	1.0
(1,700)	1:476:A:LEU:HD22	1:477:A:LYS:H	11	1.0
(1,700)	1:476:A:LEU:HD23	1:477:A:LYS:H	11	1.0
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG2	17	1.0
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG3	17	1.0
(1,657)	1:474:A:LYS:HA	1:474:A:LYS:HG3	15	1.0
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD11	17	1.0
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD12	17	1.0
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD13	17	1.0
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD21	17	1.0
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD22	17	1.0
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD23	17	1.0
(1,563)	1:410:A:TYR:HB3	1:411:A:HIS:H	20	1.0
(1,542)	1:453:A:TYR:HB3	1:454:A:ASP:H	4	1.0
(1,521)	1:433:A:SER:H	1:433:A:SER:HB3	16	1.0
(1,507)	1:454:A:ASP:H	1:455:A:ASN:H	17	1.0
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG2	19	1.0
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG3	19	1.0
(1,466)	1:422:A:LEU:HB2	1:423:A:GLN:H	12	1.0
(1,465)	1:422:A:LEU:HB3	1:423:A:GLN:H	15	1.0
(1,421)	1:462:A:ALA:HA	1:465:A:ALA:H	19	1.0
(1,412)	1:441:A:GLN:H	1:443:A:ASN:H	4	1.0
(1,370)	1:482:A:ARG:HB2	1:483:A:SER:H	15	1.0
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG21	16	1.0
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG22	16	1.0
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG23	16	1.0
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG11	5	1.0
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG12	5	1.0
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG13	5	1.0
(1,294)	1:409:A:ILE:HD11	1:450:A:PHE:H	18	1.0
(1,294)	1:409:A:ILE:HD12	1:450:A:PHE:H	18	1.0
(1,294)	1:409:A:ILE:HD13	1:450:A:PHE:H	18	1.0
(1,241)	1:399:A:LYS:HB2	1:400:A:GLU:H	12	1.0
(1,241)	1:399:A:LYS:HB3	1:400:A:GLU:H	12	1.0
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG11	16	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG12	16	1.0
(1,198)	1:436:A:VAL:H	1:436:A:VAL:HG13	16	1.0
(1,154)	1:406:A:ASN:HB3	1:407:A:LEU:H	12	1.0
(1,143)	1:410:A:TYR:H	1:410:A:TYR:HB2	10	1.0
(1,143)	1:410:A:TYR:H	1:410:A:TYR:HB2	19	1.0
(1,128)	1:467:A:ASN:HA	1:469:A:PHE:H	15	1.0
(1,113)	1:476:A:LEU:HD11	1:477:A:LYS:H	11	1.0
(1,113)	1:476:A:LEU:HD12	1:477:A:LYS:H	11	1.0
(1,113)	1:476:A:LEU:HD13	1:477:A:LYS:H	11	1.0
(1,113)	1:476:A:LEU:HD21	1:477:A:LYS:H	11	1.0
(1,113)	1:476:A:LEU:HD22	1:477:A:LYS:H	11	1.0
(1,113)	1:476:A:LEU:HD23	1:477:A:LYS:H	11	1.0
(1,84)	1:406:A:ASN:H	1:481:A:LYS:H	8	1.0
(1,78)	1:434:A:ALA:H	1:435:A:LYS:H	19	1.0
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG21	12	1.0
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG22	12	1.0
(1,40)	1:478:A:VAL:H	1:478:A:VAL:HG23	12	1.0
(1,1591)	1:411:A:HIS:HB3	1:411:A:HIS:HD2	5	0.99
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD1	4	0.99
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD2	4	0.99
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD1	4	0.99
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD2	4	0.99
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD1	8	0.99
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD2	8	0.99
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD11	1	0.99
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD12	1	0.99
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD13	1	0.99
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD11	7	0.99
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD12	7	0.99
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD13	7	0.99
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	6	0.99
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	6	0.99
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	6	0.99
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	6	0.99
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	6	0.99
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	6	0.99
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	6	0.99
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	6	0.99
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	6	0.99
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG21	7	0.99
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG22	7	0.99
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG23	7	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1243)	1:407:A:LEU:HG	1:459:A:ALA:HA	18	0.99
(1,1191)	1:481:A:LYS:HB3	1:481:A:LYS:HD2	18	0.99
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD11	9	0.99
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD12	9	0.99
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD13	9	0.99
(1,1181)	1:479:A:GLN:HA	1:480:A:LEU:HG	4	0.99
(1,1165)	1:407:A:LEU:HG	1:459:A:ALA:HA	18	0.99
(1,1159)	1:459:A:ALA:HA	1:461:A:ALA:HA	14	0.99
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB2	2	0.99
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB3	2	0.99
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB2	2	0.99
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB3	2	0.99
(1,1082)	1:422:A:LEU:HA	1:425:A:PHE:HB2	13	0.99
(1,1073)	1:432:A:ILE:HD11	1:454:A:ASP:H	1	0.99
(1,1073)	1:432:A:ILE:HD12	1:454:A:ASP:H	1	0.99
(1,1073)	1:432:A:ILE:HD13	1:454:A:ASP:H	1	0.99
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG2	4	0.99
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG3	4	0.99
(1,1056)	1:451:A:VAL:HB	1:452:A:SER:H	14	0.99
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD11	3	0.99
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD12	3	0.99
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD13	3	0.99
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD11	3	0.99
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD12	3	0.99
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD13	3	0.99
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD11	3	0.99
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD12	3	0.99
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD13	3	0.99
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD11	3	0.99
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD12	3	0.99
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD13	3	0.99
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD11	3	0.99
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD12	3	0.99
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD13	3	0.99
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD11	3	0.99
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD12	3	0.99
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD13	3	0.99
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD11	3	0.99
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD12	3	0.99
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD13	3	0.99
(1,1023)	1:421:A:ILE:HB	1:422:A:LEU:H	3	0.99
(1,1005)	1:425:A:PHE:HB2	1:426:A:MET:H	19	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,998)	1:485:A:ASN:HB3	1:486:A:ASP:H	3	0.99
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD11	1	0.99
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD12	1	0.99
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD13	1	0.99
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	6	0.99
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	6	0.99
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	6	0.99
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	6	0.99
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	6	0.99
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	6	0.99
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	6	0.99
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	6	0.99
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	6	0.99
(1,939)	1:486:A:ASP:H	1:486:A:ASP:HB3	20	0.99
(1,860)	1:409:A:ILE:HG21	1:450:A:PHE:H	12	0.99
(1,860)	1:409:A:ILE:HG22	1:450:A:PHE:H	12	0.99
(1,860)	1:409:A:ILE:HG23	1:450:A:PHE:H	12	0.99
(1,829)	1:450:A:PHE:H	1:450:A:PHE:HB2	13	0.99
(1,829)	1:450:A:PHE:H	1:450:A:PHE:HB2	14	0.99
(1,815)	1:434:A:ALA:HB1	1:435:A:LYS:HA	3	0.99
(1,815)	1:434:A:ALA:HB2	1:435:A:LYS:HA	3	0.99
(1,815)	1:434:A:ALA:HB3	1:435:A:LYS:HA	3	0.99
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	12	0.99
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	12	0.99
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	19	0.99
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	19	0.99
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	19	0.99
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	19	0.99
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	19	0.99
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	19	0.99
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	19	0.99
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	19	0.99
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	19	0.99
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG21	1	0.99
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG22	1	0.99
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG23	1	0.99
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	8	0.99
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	8	0.99
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	8	0.99
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	8	0.99
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	8	0.99
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	8	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	8	0.99
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	8	0.99
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	8	0.99
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	8	0.99
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	8	0.99
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	8	0.99
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG2	2	0.99
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG3	2	0.99
(1,657)	1:474:A:LYS:HA	1:474:A:LYS:HG3	19	0.99
(1,649)	1:407:A:LEU:HD11	1:479:A:GLN:HA	2	0.99
(1,649)	1:407:A:LEU:HD12	1:479:A:GLN:HA	2	0.99
(1,649)	1:407:A:LEU:HD13	1:479:A:GLN:HA	2	0.99
(1,649)	1:407:A:LEU:HD21	1:479:A:GLN:HA	2	0.99
(1,649)	1:407:A:LEU:HD22	1:479:A:GLN:HA	2	0.99
(1,649)	1:407:A:LEU:HD23	1:479:A:GLN:HA	2	0.99
(1,596)	1:441:A:GLN:HG3	1:442:A:THR:H	1	0.99
(1,586)	1:427:A:PRO:HG2	1:428:A:PHE:H	5	0.99
(1,579)	1:400:A:GLU:HB3	1:401:A:GLY:H	6	0.99
(1,570)	1:419:A:GLN:HE21	1:420:A:ASP:H	7	0.99
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG11	6	0.99
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG12	6	0.99
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG13	6	0.99
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG11	10	0.99
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG12	10	0.99
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG13	10	0.99
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG21	13	0.99
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG22	13	0.99
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG23	13	0.99
(1,518)	1:430:A:ASN:HA	1:430:A:ASN:HD22	19	0.99
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG2	4	0.99
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG3	4	0.99
(1,370)	1:482:A:ARG:HB2	1:483:A:SER:H	7	0.99
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG21	1	0.99
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG22	1	0.99
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG23	1	0.99
(1,302)	1:403:A:GLU:HG2	1:405:A:ALA:H	6	0.99
(1,288)	1:450:A:PHE:H	1:450:A:PHE:HB3	15	0.99
(1,278)	1:453:A:TYR:HD1	1:459:A:ALA:H	18	0.99
(1,278)	1:453:A:TYR:HD2	1:459:A:ALA:H	18	0.99
(1,267)	1:409:A:ILE:H	1:409:A:ILE:HG12	15	0.99
(1,261)	1:486:A:ASP:H	1:486:A:ASP:HB3	20	0.99
(1,143)	1:410:A:TYR:H	1:410:A:TYR:HB2	4	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:405:A:ALA:HB1	1:451:A:VAL:H	2	0.99
(1,133)	1:405:A:ALA:HB2	1:451:A:VAL:H	2	0.99
(1,133)	1:405:A:ALA:HB3	1:451:A:VAL:H	2	0.99
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG2	2	0.99
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG3	2	0.99
(1,52)	1:471:A:ILE:H	1:474:A:LYS:H	20	0.99
(1,42)	1:439:A:ASP:H	1:444:A:LEU:HG	3	0.99
(1,1590)	1:411:A:HIS:HB2	1:411:A:HIS:HD2	6	0.98
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD11	19	0.98
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD12	19	0.98
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD13	19	0.98
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD2	2	0.98
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD3	2	0.98
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD2	2	0.98
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD3	2	0.98
(1,1319)	1:434:A:ALA:HB1	1:451:A:VAL:HA	10	0.98
(1,1319)	1:434:A:ALA:HB2	1:451:A:VAL:HA	10	0.98
(1,1319)	1:434:A:ALA:HB3	1:451:A:VAL:HA	10	0.98
(1,1302)	1:476:A:LEU:HD11	1:478:A:VAL:HG11	8	0.98
(1,1302)	1:476:A:LEU:HD11	1:478:A:VAL:HG12	8	0.98
(1,1302)	1:476:A:LEU:HD11	1:478:A:VAL:HG13	8	0.98
(1,1302)	1:476:A:LEU:HD12	1:478:A:VAL:HG11	8	0.98
(1,1302)	1:476:A:LEU:HD12	1:478:A:VAL:HG12	8	0.98
(1,1302)	1:476:A:LEU:HD12	1:478:A:VAL:HG13	8	0.98
(1,1302)	1:476:A:LEU:HD13	1:478:A:VAL:HG11	8	0.98
(1,1302)	1:476:A:LEU:HD13	1:478:A:VAL:HG12	8	0.98
(1,1302)	1:476:A:LEU:HD13	1:478:A:VAL:HG13	8	0.98
(1,1302)	1:476:A:LEU:HD21	1:478:A:VAL:HG11	8	0.98
(1,1302)	1:476:A:LEU:HD21	1:478:A:VAL:HG12	8	0.98
(1,1302)	1:476:A:LEU:HD21	1:478:A:VAL:HG13	8	0.98
(1,1302)	1:476:A:LEU:HD22	1:478:A:VAL:HG11	8	0.98
(1,1302)	1:476:A:LEU:HD22	1:478:A:VAL:HG12	8	0.98
(1,1302)	1:476:A:LEU:HD22	1:478:A:VAL:HG13	8	0.98
(1,1302)	1:476:A:LEU:HD23	1:478:A:VAL:HG11	8	0.98
(1,1302)	1:476:A:LEU:HD23	1:478:A:VAL:HG12	8	0.98
(1,1302)	1:476:A:LEU:HD23	1:478:A:VAL:HG13	8	0.98
(1,1253)	1:444:A:LEU:HA	1:444:A:LEU:HG	14	0.98
(1,1103)	1:441:A:GLN:HA	1:441:A:GLN:HG3	4	0.98
(1,1101)	1:477:A:LYS:HB2	1:478:A:VAL:H	11	0.98
(1,1101)	1:477:A:LYS:HB3	1:478:A:VAL:H	11	0.98
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG2	20	0.98
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG3	20	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1056)	1:451:A:VAL:HB	1:452:A:SER:H	5	0.98
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD11	16	0.98
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD12	16	0.98
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD13	16	0.98
(1,1031)	1:430:A:ASN:HB2	1:431:A:VAL:H	6	0.98
(1,1031)	1:430:A:ASN:HB3	1:431:A:VAL:H	6	0.98
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG21	7	0.98
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG22	7	0.98
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG23	7	0.98
(1,976)	1:438:A:ILE:HG21	1:443:A:ASN:H	7	0.98
(1,976)	1:438:A:ILE:HG22	1:443:A:ASN:H	7	0.98
(1,976)	1:438:A:ILE:HG23	1:443:A:ASN:H	7	0.98
(1,940)	1:486:A:ASP:H	1:486:A:ASP:HB2	16	0.98
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG11	1	0.98
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG12	1	0.98
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG13	1	0.98
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG11	1	0.98
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG12	1	0.98
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG13	1	0.98
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG11	1	0.98
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG12	1	0.98
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG13	1	0.98
(1,922)	1:455:A:ASN:HB3	1:458:A:SER:H	8	0.98
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD2	4	0.98
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD3	4	0.98
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD2	7	0.98
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD3	7	0.98
(1,838)	1:451:A:VAL:HG11	1:452:A:SER:H	1	0.98
(1,838)	1:451:A:VAL:HG12	1:452:A:SER:H	1	0.98
(1,838)	1:451:A:VAL:HG13	1:452:A:SER:H	1	0.98
(1,829)	1:450:A:PHE:H	1:450:A:PHE:HB2	15	0.98
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB1	18	0.98
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB2	18	0.98
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB3	18	0.98
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB1	18	0.98
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB2	18	0.98
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB3	18	0.98
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB1	18	0.98
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB2	18	0.98
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB3	18	0.98
(1,738)	1:431:A:VAL:HG11	1:432:A:ILE:H	11	0.98
(1,738)	1:431:A:VAL:HG12	1:432:A:ILE:H	11	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,738)	1:431:A:VAL:HG13	1:432:A:ILE:H	11	0.98
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	2	0.98
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	2	0.98
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	2	0.98
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	2	0.98
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	2	0.98
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	2	0.98
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	2	0.98
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	2	0.98
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	2	0.98
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	2	0.98
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	2	0.98
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	2	0.98
(1,657)	1:474:A:LYS:HA	1:474:A:LYS:HG3	2	0.98
(1,637)	1:476:A:LEU:HA	1:476:A:LEU:HG	2	0.98
(1,637)	1:476:A:LEU:HA	1:476:A:LEU:HG	6	0.98
(1,637)	1:476:A:LEU:HA	1:476:A:LEU:HG	15	0.98
(1,579)	1:400:A:GLU:HB3	1:401:A:GLY:H	9	0.98
(1,579)	1:400:A:GLU:HB3	1:401:A:GLY:H	13	0.98
(1,563)	1:410:A:TYR:HB3	1:411:A:HIS:H	3	0.98
(1,563)	1:410:A:TYR:HB3	1:411:A:HIS:H	15	0.98
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG2	20	0.98
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG3	20	0.98
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD11	19	0.98
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD12	19	0.98
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD13	19	0.98
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD21	19	0.98
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD22	19	0.98
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD23	19	0.98
(1,383)	1:444:A:LEU:H	1:444:A:LEU:HB2	8	0.98
(1,324)	1:451:A:VAL:HG11	1:452:A:SER:H	1	0.98
(1,324)	1:451:A:VAL:HG12	1:452:A:SER:H	1	0.98
(1,324)	1:451:A:VAL:HG13	1:452:A:SER:H	1	0.98
(1,262)	1:486:A:ASP:H	1:486:A:ASP:HB2	16	0.98
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG21	7	0.98
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG22	7	0.98
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG23	7	0.98
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG21	15	0.98
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG22	15	0.98
(1,229)	1:418:A:ASP:H	1:436:A:VAL:HG23	15	0.98
(1,143)	1:410:A:TYR:H	1:410:A:TYR:HB2	15	0.98
(1,143)	1:410:A:TYR:H	1:410:A:TYR:HB2	20	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,67)	1:436:A:VAL:HB	1:437:A:PHE:H	2	0.98
(1,67)	1:436:A:VAL:HB	1:437:A:PHE:H	5	0.98
(1,39)	1:477:A:LYS:HB2	1:478:A:VAL:H	11	0.98
(1,39)	1:477:A:LYS:HB3	1:478:A:VAL:H	11	0.98
(1,1585)	1:415:A:GLU:HG2	1:416:A:PHE:HD1	11	0.97
(1,1585)	1:415:A:GLU:HG2	1:416:A:PHE:HD2	11	0.97
(1,1585)	1:415:A:GLU:HG3	1:416:A:PHE:HD1	11	0.97
(1,1585)	1:415:A:GLU:HG3	1:416:A:PHE:HD2	11	0.97
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD1	20	0.97
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD2	20	0.97
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD2	11	0.97
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD3	11	0.97
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD11	7	0.97
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD12	7	0.97
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD13	7	0.97
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD11	13	0.97
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD12	13	0.97
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD13	13	0.97
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD11	9	0.97
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD12	9	0.97
(1,1423)	1:463:A:ILE:HA	1:463:A:ILE:HD13	9	0.97
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	5	0.97
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	5	0.97
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	5	0.97
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	5	0.97
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	5	0.97
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	5	0.97
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	5	0.97
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	5	0.97
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	5	0.97
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	5	0.97
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	5	0.97
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	5	0.97
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	5	0.97
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	5	0.97
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	5	0.97
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	5	0.97
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	5	0.97
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	5	0.97
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG21	10	0.97
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG22	10	0.97
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG23	10	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG21	10	0.97
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG22	10	0.97
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG23	10	0.97
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB1	2	0.97
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB2	2	0.97
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB3	2	0.97
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB1	2	0.97
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB2	2	0.97
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB3	2	0.97
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	3	0.97
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	3	0.97
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	3	0.97
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	3	0.97
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	3	0.97
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	3	0.97
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	3	0.97
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	3	0.97
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	3	0.97
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD2	11	0.97
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD3	11	0.97
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	3	0.97
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	3	0.97
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	3	0.97
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	3	0.97
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	3	0.97
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	3	0.97
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	3	0.97
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	3	0.97
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	3	0.97
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG21	1	0.97
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG22	1	0.97
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG23	1	0.97
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG21	5	0.97
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG22	5	0.97
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG23	5	0.97
(1,1160)	1:459:A:ALA:HA	1:462:A:ALA:H	9	0.97
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD11	7	0.97
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD12	7	0.97
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD13	7	0.97
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD11	13	0.97
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD12	13	0.97
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD13	13	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1103)	1:441:A:GLN:HA	1:441:A:GLN:HG3	8	0.97
(1,1088)	1:419:A:GLN:HA	1:422:A:LEU:H	6	0.97
(1,1061)	1:409:A:ILE:HA	1:409:A:ILE:HG12	7	0.97
(1,1061)	1:409:A:ILE:HA	1:409:A:ILE:HG12	16	0.97
(1,1056)	1:451:A:VAL:HB	1:452:A:SER:H	16	0.97
(1,1056)	1:451:A:VAL:HB	1:452:A:SER:H	19	0.97
(1,1031)	1:430:A:ASN:HB2	1:431:A:VAL:H	2	0.97
(1,1031)	1:430:A:ASN:HB3	1:431:A:VAL:H	2	0.97
(1,1031)	1:430:A:ASN:HB2	1:431:A:VAL:H	15	0.97
(1,1031)	1:430:A:ASN:HB3	1:431:A:VAL:H	15	0.97
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB1	3	0.97
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB2	3	0.97
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB3	3	0.97
(1,987)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	4	0.97
(1,987)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	4	0.97
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG21	1	0.97
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG22	1	0.97
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG23	1	0.97
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG21	6	0.97
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG22	6	0.97
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG23	6	0.97
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG21	11	0.97
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG22	11	0.97
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG23	11	0.97
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG21	17	0.97
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG22	17	0.97
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG23	17	0.97
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE1	18	0.97
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE2	18	0.97
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE3	18	0.97
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE1	18	0.97
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE2	18	0.97
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE3	18	0.97
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE1	18	0.97
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE2	18	0.97
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE3	18	0.97
(1,874)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	7	0.97
(1,815)	1:434:A:ALA:HB1	1:435:A:LYS:HA	11	0.97
(1,815)	1:434:A:ALA:HB2	1:435:A:LYS:HA	11	0.97
(1,815)	1:434:A:ALA:HB3	1:435:A:LYS:HA	11	0.97
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG21	18	0.97
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG22	18	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG23	18	0.97
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG21	18	0.97
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG22	18	0.97
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG23	18	0.97
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG21	18	0.97
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG22	18	0.97
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG23	18	0.97
(1,738)	1:431:A:VAL:HG11	1:432:A:ILE:H	19	0.97
(1,738)	1:431:A:VAL:HG12	1:432:A:ILE:H	19	0.97
(1,738)	1:431:A:VAL:HG13	1:432:A:ILE:H	19	0.97
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	19	0.97
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	19	0.97
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	19	0.97
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	19	0.97
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	19	0.97
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	5	0.97
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	5	0.97
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	5	0.97
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	5	0.97
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	5	0.97
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	5	0.97
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	5	0.97
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	5	0.97
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	5	0.97
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	5	0.97
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	5	0.97
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	5	0.97
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	5	0.97
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	5	0.97
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	5	0.97
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	5	0.97
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	5	0.97
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	5	0.97
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	10	0.97
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	10	0.97
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	10	0.97
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	10	0.97
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	10	0.97
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	10	0.97
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	10	0.97
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	10	0.97
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	10	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	10	0.97
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	10	0.97
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	10	0.97
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD11	5	0.97
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD12	5	0.97
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD13	5	0.97
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD21	5	0.97
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD22	5	0.97
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD23	5	0.97
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG2	4	0.97
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG3	4	0.97
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG2	19	0.97
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG3	19	0.97
(1,649)	1:407:A:LEU:HD11	1:479:A:GLN:HA	1	0.97
(1,649)	1:407:A:LEU:HD12	1:479:A:GLN:HA	1	0.97
(1,649)	1:407:A:LEU:HD13	1:479:A:GLN:HA	1	0.97
(1,649)	1:407:A:LEU:HD21	1:479:A:GLN:HA	1	0.97
(1,649)	1:407:A:LEU:HD22	1:479:A:GLN:HA	1	0.97
(1,649)	1:407:A:LEU:HD23	1:479:A:GLN:HA	1	0.97
(1,649)	1:407:A:LEU:HD11	1:479:A:GLN:HA	20	0.97
(1,649)	1:407:A:LEU:HD12	1:479:A:GLN:HA	20	0.97
(1,649)	1:407:A:LEU:HD13	1:479:A:GLN:HA	20	0.97
(1,649)	1:407:A:LEU:HD21	1:479:A:GLN:HA	20	0.97
(1,649)	1:407:A:LEU:HD22	1:479:A:GLN:HA	20	0.97
(1,649)	1:407:A:LEU:HD23	1:479:A:GLN:HA	20	0.97
(1,642)	1:439:A:ASP:HB3	1:444:A:LEU:HG	20	0.97
(1,637)	1:476:A:LEU:HA	1:476:A:LEU:HG	4	0.97
(1,637)	1:476:A:LEU:HA	1:476:A:LEU:HG	5	0.97
(1,637)	1:476:A:LEU:HA	1:476:A:LEU:HG	20	0.97
(1,615)	1:407:A:LEU:HG	1:462:A:ALA:H	5	0.97
(1,600)	1:428:A:PHE:HB2	1:429:A:GLY:H	11	0.97
(1,600)	1:428:A:PHE:HB2	1:429:A:GLY:H	12	0.97
(1,583)	1:426:A:MET:HA	1:428:A:PHE:H	20	0.97
(1,553)	1:422:A:LEU:HA	1:425:A:PHE:H	8	0.97
(1,507)	1:454:A:ASP:H	1:455:A:ASN:H	2	0.97
(1,302)	1:403:A:GLU:HG2	1:405:A:ALA:H	8	0.97
(1,252)	1:402:A:PRO:HD2	1:453:A:TYR:H	17	0.97
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD11	11	0.97
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD12	11	0.97
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD13	11	0.97
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD11	15	0.97
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD12	15	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD13	15	0.97
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG21	1	0.97
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG22	1	0.97
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG23	1	0.97
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG21	6	0.97
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG22	6	0.97
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG23	6	0.97
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG21	11	0.97
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG22	11	0.97
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG23	11	0.97
(1,221)	1:407:A:LEU:HG	1:462:A:ALA:H	5	0.97
(1,214)	1:459:A:ALA:HA	1:462:A:ALA:H	9	0.97
(1,206)	1:412:A:LEU:HD11	1:416:A:PHE:H	20	0.97
(1,206)	1:412:A:LEU:HD12	1:416:A:PHE:H	20	0.97
(1,206)	1:412:A:LEU:HD13	1:416:A:PHE:H	20	0.97
(1,206)	1:412:A:LEU:HD21	1:416:A:PHE:H	20	0.97
(1,206)	1:412:A:LEU:HD22	1:416:A:PHE:H	20	0.97
(1,206)	1:412:A:LEU:HD23	1:416:A:PHE:H	20	0.97
(1,178)	1:419:A:GLN:HA	1:422:A:LEU:H	6	0.97
(1,158)	1:407:A:LEU:H	1:407:A:LEU:HB3	10	0.97
(1,143)	1:410:A:TYR:H	1:410:A:TYR:HB2	16	0.97
(1,132)	1:434:A:ALA:HB1	1:451:A:VAL:H	15	0.97
(1,132)	1:434:A:ALA:HB2	1:451:A:VAL:H	15	0.97
(1,132)	1:434:A:ALA:HB3	1:451:A:VAL:H	15	0.97
(1,110)	1:476:A:LEU:HB2	1:477:A:LYS:H	17	0.97
(1,110)	1:476:A:LEU:HB3	1:477:A:LYS:H	17	0.97
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG2	19	0.97
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG3	19	0.97
(1,52)	1:471:A:ILE:H	1:474:A:LYS:H	6	0.97
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD11	8	0.96
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD12	8	0.96
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD13	8	0.96
(1,1253)	1:444:A:LEU:HA	1:444:A:LEU:HG	11	0.96
(1,1253)	1:444:A:LEU:HA	1:444:A:LEU:HG	16	0.96
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	17	0.96
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	17	0.96
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	17	0.96
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	17	0.96
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	17	0.96
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	17	0.96
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	17	0.96
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	17	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	17	0.96
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	17	0.96
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	17	0.96
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	17	0.96
(1,1181)	1:479:A:GLN:HA	1:480:A:LEU:HG	15	0.96
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG21	3	0.96
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG22	3	0.96
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG23	3	0.96
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG2	1	0.96
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG3	1	0.96
(1,1056)	1:451:A:VAL:HB	1:452:A:SER:H	6	0.96
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD11	12	0.96
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD12	12	0.96
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD13	12	0.96
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG21	10	0.96
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG22	10	0.96
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG23	10	0.96
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG21	18	0.96
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG22	18	0.96
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG23	18	0.96
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG21	18	0.96
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG22	18	0.96
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG23	18	0.96
(1,926)	1:406:A:ASN:HB3	1:407:A:LEU:H	3	0.96
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD1	6	0.96
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD2	6	0.96
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD1	6	0.96
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD2	6	0.96
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD2	9	0.96
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD3	9	0.96
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG21	12	0.96
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG22	12	0.96
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG23	12	0.96
(1,838)	1:451:A:VAL:HG11	1:452:A:SER:H	4	0.96
(1,838)	1:451:A:VAL:HG12	1:452:A:SER:H	4	0.96
(1,838)	1:451:A:VAL:HG13	1:452:A:SER:H	4	0.96
(1,838)	1:451:A:VAL:HG11	1:452:A:SER:H	13	0.96
(1,838)	1:451:A:VAL:HG12	1:452:A:SER:H	13	0.96
(1,838)	1:451:A:VAL:HG13	1:452:A:SER:H	13	0.96
(1,829)	1:450:A:PHE:H	1:450:A:PHE:HB2	19	0.96
(1,724)	1:407:A:LEU:HB3	1:408:A:PHE:H	2	0.96
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	4	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	4	0.96
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	4	0.96
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	9	0.96
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	9	0.96
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	9	0.96
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	9	0.96
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	9	0.96
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	9	0.96
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	9	0.96
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	9	0.96
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	9	0.96
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	9	0.96
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	9	0.96
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	9	0.96
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD11	3	0.96
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD12	3	0.96
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD13	3	0.96
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD21	3	0.96
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD22	3	0.96
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD23	3	0.96
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD11	13	0.96
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD12	13	0.96
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD13	13	0.96
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD21	13	0.96
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD22	13	0.96
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD23	13	0.96
(1,688)	1:480:A:LEU:HD11	1:481:A:LYS:H	5	0.96
(1,688)	1:480:A:LEU:HD12	1:481:A:LYS:H	5	0.96
(1,688)	1:480:A:LEU:HD13	1:481:A:LYS:H	5	0.96
(1,688)	1:480:A:LEU:HD21	1:481:A:LYS:H	5	0.96
(1,688)	1:480:A:LEU:HD22	1:481:A:LYS:H	5	0.96
(1,688)	1:480:A:LEU:HD23	1:481:A:LYS:H	5	0.96
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG2	9	0.96
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG3	9	0.96
(1,657)	1:474:A:LYS:HA	1:474:A:LYS:HG3	13	0.96
(1,637)	1:476:A:LEU:HA	1:476:A:LEU:HG	12	0.96
(1,637)	1:476:A:LEU:HA	1:476:A:LEU:HG	16	0.96
(1,600)	1:428:A:PHE:HB2	1:429:A:GLY:H	6	0.96
(1,593)	1:421:A:ILE:HD11	1:449:A:GLY:H	3	0.96
(1,593)	1:421:A:ILE:HD12	1:449:A:GLY:H	3	0.96
(1,593)	1:421:A:ILE:HD13	1:449:A:GLY:H	3	0.96
(1,586)	1:427:A:PRO:HG2	1:428:A:PHE:H	10	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG2	1	0.96
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG3	1	0.96
(1,370)	1:482:A:ARG:HB2	1:483:A:SER:H	17	0.96
(1,369)	1:482:A:ARG:HB3	1:483:A:SER:H	10	0.96
(1,358)	1:460:A:GLN:HA	1:463:A:ILE:H	6	0.96
(1,349)	1:407:A:LEU:HB3	1:408:A:PHE:H	2	0.96
(1,324)	1:451:A:VAL:HG11	1:452:A:SER:H	4	0.96
(1,324)	1:451:A:VAL:HG12	1:452:A:SER:H	4	0.96
(1,324)	1:451:A:VAL:HG13	1:452:A:SER:H	4	0.96
(1,324)	1:451:A:VAL:HG11	1:452:A:SER:H	13	0.96
(1,324)	1:451:A:VAL:HG12	1:452:A:SER:H	13	0.96
(1,324)	1:451:A:VAL:HG13	1:452:A:SER:H	13	0.96
(1,302)	1:403:A:GLU:HG2	1:405:A:ALA:H	12	0.96
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG21	12	0.96
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG22	12	0.96
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG23	12	0.96
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG21	10	0.96
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG22	10	0.96
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG23	10	0.96
(1,206)	1:412:A:LEU:HD11	1:416:A:PHE:H	13	0.96
(1,206)	1:412:A:LEU:HD12	1:416:A:PHE:H	13	0.96
(1,206)	1:412:A:LEU:HD13	1:416:A:PHE:H	13	0.96
(1,206)	1:412:A:LEU:HD21	1:416:A:PHE:H	13	0.96
(1,206)	1:412:A:LEU:HD22	1:416:A:PHE:H	13	0.96
(1,206)	1:412:A:LEU:HD23	1:416:A:PHE:H	13	0.96
(1,206)	1:412:A:LEU:HD11	1:416:A:PHE:H	17	0.96
(1,206)	1:412:A:LEU:HD12	1:416:A:PHE:H	17	0.96
(1,206)	1:412:A:LEU:HD13	1:416:A:PHE:H	17	0.96
(1,206)	1:412:A:LEU:HD21	1:416:A:PHE:H	17	0.96
(1,206)	1:412:A:LEU:HD22	1:416:A:PHE:H	17	0.96
(1,206)	1:412:A:LEU:HD23	1:416:A:PHE:H	17	0.96
(1,154)	1:406:A:ASN:HB3	1:407:A:LEU:H	3	0.96
(1,143)	1:410:A:TYR:H	1:410:A:TYR:HB2	7	0.96
(1,133)	1:405:A:ALA:HB1	1:451:A:VAL:H	11	0.96
(1,133)	1:405:A:ALA:HB2	1:451:A:VAL:H	11	0.96
(1,133)	1:405:A:ALA:HB3	1:451:A:VAL:H	11	0.96
(1,91)	1:480:A:LEU:HD11	1:481:A:LYS:H	5	0.96
(1,91)	1:480:A:LEU:HD12	1:481:A:LYS:H	5	0.96
(1,91)	1:480:A:LEU:HD13	1:481:A:LYS:H	5	0.96
(1,91)	1:480:A:LEU:HD21	1:481:A:LYS:H	5	0.96
(1,91)	1:480:A:LEU:HD22	1:481:A:LYS:H	5	0.96
(1,91)	1:480:A:LEU:HD23	1:481:A:LYS:H	5	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,84)	1:406:A:ASN:H	1:481:A:LYS:H	17	0.96
(1,1590)	1:411:A:HIS:HB2	1:411:A:HIS:HD2	1	0.95
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD1	13	0.95
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD2	13	0.95
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD1	13	0.95
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD2	13	0.95
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	14	0.95
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	14	0.95
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	14	0.95
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	14	0.95
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD2	1	0.95
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD3	1	0.95
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD2	20	0.95
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD3	20	0.95
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD11	20	0.95
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD12	20	0.95
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD13	20	0.95
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD11	10	0.95
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD12	10	0.95
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD13	10	0.95
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD11	17	0.95
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD12	17	0.95
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD13	17	0.95
(1,1394)	1:463:A:ILE:HG21	1:464:A:GLN:HA	11	0.95
(1,1394)	1:463:A:ILE:HG22	1:464:A:GLN:HA	11	0.95
(1,1394)	1:463:A:ILE:HG23	1:464:A:GLN:HA	11	0.95
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	4	0.95
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	4	0.95
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	4	0.95
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	4	0.95
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	4	0.95
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	4	0.95
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	4	0.95
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	4	0.95
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	4	0.95
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD2	1	0.95
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD3	1	0.95
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD2	20	0.95
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD3	20	0.95
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG21	6	0.95
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG22	6	0.95
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG23	6	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1253)	1:444:A:LEU:HA	1:444:A:LEU:HG	19	0.95
(1,1181)	1:479:A:GLN:HA	1:480:A:LEU:HG	3	0.95
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD11	20	0.95
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD12	20	0.95
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD13	20	0.95
(1,1082)	1:422:A:LEU:HA	1:425:A:PHE:HB2	20	0.95
(1,1056)	1:451:A:VAL:HB	1:452:A:SER:H	18	0.95
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD11	10	0.95
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD12	10	0.95
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD13	10	0.95
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG21	2	0.95
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG22	2	0.95
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG23	2	0.95
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG21	15	0.95
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG22	15	0.95
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG23	15	0.95
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	4	0.95
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	4	0.95
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	4	0.95
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	4	0.95
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	4	0.95
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	4	0.95
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	4	0.95
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	4	0.95
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	4	0.95
(1,939)	1:486:A:ASP:H	1:486:A:ASP:HB3	12	0.95
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG21	15	0.95
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG22	15	0.95
(1,858)	1:409:A:ILE:H	1:409:A:ILE:HG23	15	0.95
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB1	17	0.95
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB2	17	0.95
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB3	17	0.95
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB1	4	0.95
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB2	4	0.95
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB3	4	0.95
(1,724)	1:407:A:LEU:HB3	1:408:A:PHE:H	9	0.95
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	15	0.95
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	15	0.95
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	15	0.95
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	15	0.95
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	15	0.95
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	15	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	15	0.95
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	15	0.95
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	15	0.95
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	15	0.95
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	15	0.95
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	15	0.95
(1,700)	1:476:A:LEU:HD11	1:477:A:LYS:H	18	0.95
(1,700)	1:476:A:LEU:HD12	1:477:A:LYS:H	18	0.95
(1,700)	1:476:A:LEU:HD13	1:477:A:LYS:H	18	0.95
(1,700)	1:476:A:LEU:HD21	1:477:A:LYS:H	18	0.95
(1,700)	1:476:A:LEU:HD22	1:477:A:LYS:H	18	0.95
(1,700)	1:476:A:LEU:HD23	1:477:A:LYS:H	18	0.95
(1,600)	1:428:A:PHE:HB2	1:429:A:GLY:H	2	0.95
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG21	14	0.95
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG22	14	0.95
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG23	14	0.95
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG11	20	0.95
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG12	20	0.95
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG13	20	0.95
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD1	11	0.95
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD2	11	0.95
(1,466)	1:422:A:LEU:HB2	1:423:A:GLN:H	2	0.95
(1,466)	1:422:A:LEU:HB2	1:423:A:GLN:H	9	0.95
(1,463)	1:420:A:ASP:HA	1:423:A:GLN:H	9	0.95
(1,369)	1:482:A:ARG:HB3	1:483:A:SER:H	4	0.95
(1,349)	1:407:A:LEU:HB3	1:408:A:PHE:H	9	0.95
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG21	15	0.95
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG22	15	0.95
(1,266)	1:409:A:ILE:H	1:409:A:ILE:HG23	15	0.95
(1,261)	1:486:A:ASP:H	1:486:A:ASP:HB3	12	0.95
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD11	1	0.95
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD12	1	0.95
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD13	1	0.95
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG21	2	0.95
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG22	2	0.95
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG23	2	0.95
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG21	15	0.95
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG22	15	0.95
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG23	15	0.95
(1,192)	1:418:A:ASP:HB2	1:436:A:VAL:H	18	0.95
(1,171)	1:483:A:SER:H	1:484:A:LYS:H	19	0.95
(1,157)	1:406:A:ASN:HB2	1:407:A:LEU:H	15	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:405:A:ALA:HB1	1:451:A:VAL:H	1	0.95
(1,133)	1:405:A:ALA:HB2	1:451:A:VAL:H	1	0.95
(1,133)	1:405:A:ALA:HB3	1:451:A:VAL:H	1	0.95
(1,132)	1:434:A:ALA:HB1	1:451:A:VAL:H	20	0.95
(1,132)	1:434:A:ALA:HB2	1:451:A:VAL:H	20	0.95
(1,132)	1:434:A:ALA:HB3	1:451:A:VAL:H	20	0.95
(1,113)	1:476:A:LEU:HD11	1:477:A:LYS:H	18	0.95
(1,113)	1:476:A:LEU:HD12	1:477:A:LYS:H	18	0.95
(1,113)	1:476:A:LEU:HD13	1:477:A:LYS:H	18	0.95
(1,113)	1:476:A:LEU:HD21	1:477:A:LYS:H	18	0.95
(1,113)	1:476:A:LEU:HD22	1:477:A:LYS:H	18	0.95
(1,113)	1:476:A:LEU:HD23	1:477:A:LYS:H	18	0.95
(1,43)	1:438:A:ILE:H	1:439:A:ASP:H	14	0.95
(1,29)	1:439:A:ASP:HB3	1:440:A:LYS:H	16	0.95
(1,1590)	1:411:A:HIS:HB2	1:411:A:HIS:HD2	15	0.94
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD2	14	0.94
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD3	14	0.94
(1,1464)	1:431:A:VAL:HA	1:453:A:TYR:HA	11	0.94
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD11	12	0.94
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD12	12	0.94
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD13	12	0.94
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD1	19	0.94
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD2	19	0.94
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD2	14	0.94
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD3	14	0.94
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG21	18	0.94
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG22	18	0.94
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG23	18	0.94
(1,1240)	1:432:A:ILE:HG12	1:454:A:ASP:H	9	0.94
(1,1240)	1:432:A:ILE:HG13	1:454:A:ASP:H	9	0.94
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD11	1	0.94
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD12	1	0.94
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD13	1	0.94
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB2	12	0.94
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB3	12	0.94
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB2	12	0.94
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB3	12	0.94
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG2	4	0.94
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG3	4	0.94
(1,1079)	1:423:A:GLN:HA	1:426:A:MET:H	19	0.94
(1,1054)	1:400:A:GLU:HA	1:400:A:GLU:HG2	4	0.94
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	19	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	19	0.94
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	19	0.94
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	19	0.94
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	19	0.94
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	19	0.94
(1,998)	1:485:A:ASN:HB3	1:486:A:ASP:H	11	0.94
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD11	12	0.94
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD12	12	0.94
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD13	12	0.94
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG21	7	0.94
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG22	7	0.94
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG23	7	0.94
(1,926)	1:406:A:ASN:HB3	1:407:A:LEU:H	2	0.94
(1,883)	1:453:A:TYR:HB3	1:454:A:ASP:H	16	0.94
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG21	11	0.94
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG22	11	0.94
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG23	11	0.94
(1,724)	1:407:A:LEU:HB3	1:408:A:PHE:H	5	0.94
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG2	16	0.94
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG3	16	0.94
(1,649)	1:407:A:LEU:HD11	1:479:A:GLN:HA	14	0.94
(1,649)	1:407:A:LEU:HD12	1:479:A:GLN:HA	14	0.94
(1,649)	1:407:A:LEU:HD13	1:479:A:GLN:HA	14	0.94
(1,649)	1:407:A:LEU:HD21	1:479:A:GLN:HA	14	0.94
(1,649)	1:407:A:LEU:HD22	1:479:A:GLN:HA	14	0.94
(1,649)	1:407:A:LEU:HD23	1:479:A:GLN:HA	14	0.94
(1,637)	1:476:A:LEU:HA	1:476:A:LEU:HG	10	0.94
(1,637)	1:476:A:LEU:HA	1:476:A:LEU:HG	19	0.94
(1,632)	1:476:A:LEU:H	1:476:A:LEU:HG	1	0.94
(1,563)	1:410:A:TYR:HB3	1:411:A:HIS:H	2	0.94
(1,542)	1:453:A:TYR:HB3	1:454:A:ASP:H	16	0.94
(1,534)	1:453:A:TYR:HD1	1:454:A:ASP:H	4	0.94
(1,534)	1:453:A:TYR:HD2	1:454:A:ASP:H	4	0.94
(1,534)	1:453:A:TYR:HD1	1:454:A:ASP:H	7	0.94
(1,534)	1:453:A:TYR:HD2	1:454:A:ASP:H	7	0.94
(1,521)	1:433:A:SER:H	1:433:A:SER:HB3	11	0.94
(1,521)	1:433:A:SER:H	1:433:A:SER:HB3	14	0.94
(1,521)	1:433:A:SER:H	1:433:A:SER:HB3	18	0.94
(1,392)	1:430:A:ASN:H	1:454:A:ASP:H	10	0.94
(1,369)	1:482:A:ARG:HB3	1:483:A:SER:H	18	0.94
(1,349)	1:407:A:LEU:HB3	1:408:A:PHE:H	5	0.94
(1,302)	1:403:A:GLU:HG2	1:405:A:ALA:H	3	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,283)	1:407:A:LEU:HG	1:459:A:ALA:H	16	0.94
(1,157)	1:406:A:ASN:HB2	1:407:A:LEU:H	8	0.94
(1,154)	1:406:A:ASN:HB3	1:407:A:LEU:H	2	0.94
(1,143)	1:410:A:TYR:H	1:410:A:TYR:HB2	11	0.94
(1,110)	1:476:A:LEU:HB2	1:477:A:LYS:H	8	0.94
(1,110)	1:476:A:LEU:HB3	1:477:A:LYS:H	8	0.94
(1,110)	1:476:A:LEU:HB2	1:477:A:LYS:H	9	0.94
(1,110)	1:476:A:LEU:HB3	1:477:A:LYS:H	9	0.94
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG21	11	0.94
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG22	11	0.94
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG23	11	0.94
(1,67)	1:436:A:VAL:HB	1:437:A:PHE:H	1	0.94
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD1	18	0.94
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD2	18	0.94
(1,22)	1:423:A:GLN:HA	1:426:A:MET:H	19	0.94
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	3	0.93
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	3	0.93
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	3	0.93
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	3	0.93
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	3	0.93
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	3	0.93
(1,1590)	1:411:A:HIS:HB2	1:411:A:HIS:HD2	12	0.93
(1,1590)	1:411:A:HIS:HB2	1:411:A:HIS:HD2	20	0.93
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	2	0.93
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	2	0.93
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	2	0.93
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	2	0.93
(1,1520)	1:434:A:ALA:HA	1:451:A:VAL:HA	9	0.93
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG11	16	0.93
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG12	16	0.93
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG13	16	0.93
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD11	16	0.93
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD12	16	0.93
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD13	16	0.93
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD11	2	0.93
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD12	2	0.93
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD13	2	0.93
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD11	16	0.93
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD12	16	0.93
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD13	16	0.93
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD11	20	0.93
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD12	20	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD13	20	0.93
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD11	4	0.93
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD12	4	0.93
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD13	4	0.93
(1,1253)	1:444:A:LEU:HA	1:444:A:LEU:HG	6	0.93
(1,1253)	1:444:A:LEU:HA	1:444:A:LEU:HG	17	0.93
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	19	0.93
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	19	0.93
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	19	0.93
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	19	0.93
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	19	0.93
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	19	0.93
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	19	0.93
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	19	0.93
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	19	0.93
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	19	0.93
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	19	0.93
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	19	0.93
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG2	4	0.93
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG3	4	0.93
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD11	16	0.93
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD12	16	0.93
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD13	16	0.93
(1,1056)	1:451:A:VAL:HB	1:452:A:SER:H	7	0.93
(1,1056)	1:451:A:VAL:HB	1:452:A:SER:H	13	0.93
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD11	2	0.93
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD12	2	0.93
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD13	2	0.93
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD11	16	0.93
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD12	16	0.93
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD13	16	0.93
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD11	20	0.93
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD12	20	0.93
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD13	20	0.93
(1,965)	1:438:A:ILE:HB	1:439:A:ASP:H	10	0.93
(1,954)	1:463:A:ILE:HG21	1:464:A:GLN:H	10	0.93
(1,954)	1:463:A:ILE:HG22	1:464:A:GLN:H	10	0.93
(1,954)	1:463:A:ILE:HG23	1:464:A:GLN:H	10	0.93
(1,922)	1:455:A:ASN:HB3	1:458:A:SER:H	19	0.93
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD2	16	0.93
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD3	16	0.93
(1,815)	1:434:A:ALA:HB1	1:435:A:LYS:HA	19	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:434:A:ALA:HB2	1:435:A:LYS:HA	19	0.93
(1,815)	1:434:A:ALA:HB3	1:435:A:LYS:HA	19	0.93
(1,750)	1:436:A:VAL:HG21	1:450:A:PHE:H	3	0.93
(1,750)	1:436:A:VAL:HG22	1:450:A:PHE:H	3	0.93
(1,750)	1:436:A:VAL:HG23	1:450:A:PHE:H	3	0.93
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG11	16	0.93
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG12	16	0.93
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG13	16	0.93
(1,738)	1:431:A:VAL:HG11	1:432:A:ILE:H	7	0.93
(1,738)	1:431:A:VAL:HG12	1:432:A:ILE:H	7	0.93
(1,738)	1:431:A:VAL:HG13	1:432:A:ILE:H	7	0.93
(1,724)	1:407:A:LEU:HB3	1:408:A:PHE:H	15	0.93
(1,700)	1:476:A:LEU:HD11	1:477:A:LYS:H	5	0.93
(1,700)	1:476:A:LEU:HD12	1:477:A:LYS:H	5	0.93
(1,700)	1:476:A:LEU:HD13	1:477:A:LYS:H	5	0.93
(1,700)	1:476:A:LEU:HD21	1:477:A:LYS:H	5	0.93
(1,700)	1:476:A:LEU:HD22	1:477:A:LYS:H	5	0.93
(1,700)	1:476:A:LEU:HD23	1:477:A:LYS:H	5	0.93
(1,657)	1:474:A:LYS:HA	1:474:A:LYS:HG3	4	0.93
(1,657)	1:474:A:LYS:HA	1:474:A:LYS:HG3	6	0.93
(1,657)	1:474:A:LYS:HA	1:474:A:LYS:HG3	12	0.93
(1,647)	1:407:A:LEU:HD11	1:408:A:PHE:H	15	0.93
(1,647)	1:407:A:LEU:HD12	1:408:A:PHE:H	15	0.93
(1,647)	1:407:A:LEU:HD13	1:408:A:PHE:H	15	0.93
(1,647)	1:407:A:LEU:HD21	1:408:A:PHE:H	15	0.93
(1,647)	1:407:A:LEU:HD22	1:408:A:PHE:H	15	0.93
(1,647)	1:407:A:LEU:HD23	1:408:A:PHE:H	15	0.93
(1,637)	1:476:A:LEU:HA	1:476:A:LEU:HG	3	0.93
(1,614)	1:407:A:LEU:H	1:407:A:LEU:HG	18	0.93
(1,591)	1:448:A:PHE:HB2	1:449:A:GLY:H	12	0.93
(1,591)	1:448:A:PHE:HB3	1:449:A:GLY:H	12	0.93
(1,521)	1:433:A:SER:H	1:433:A:SER:HB3	6	0.93
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD11	8	0.93
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD12	8	0.93
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD13	8	0.93
(1,369)	1:482:A:ARG:HB3	1:483:A:SER:H	20	0.93
(1,352)	1:407:A:LEU:HD11	1:408:A:PHE:H	15	0.93
(1,352)	1:407:A:LEU:HD12	1:408:A:PHE:H	15	0.93
(1,352)	1:407:A:LEU:HD13	1:408:A:PHE:H	15	0.93
(1,352)	1:407:A:LEU:HD21	1:408:A:PHE:H	15	0.93
(1,352)	1:407:A:LEU:HD22	1:408:A:PHE:H	15	0.93
(1,352)	1:407:A:LEU:HD23	1:408:A:PHE:H	15	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,349)	1:407:A:LEU:HB3	1:408:A:PHE:H	15	0.93
(1,329)	1:402:A:PRO:HG2	1:403:A:GLU:H	11	0.93
(1,278)	1:453:A:TYR:HD1	1:459:A:ALA:H	5	0.93
(1,278)	1:453:A:TYR:HD2	1:459:A:ALA:H	5	0.93
(1,241)	1:399:A:LYS:HB2	1:400:A:GLU:H	17	0.93
(1,241)	1:399:A:LYS:HB3	1:400:A:GLU:H	17	0.93
(1,143)	1:410:A:TYR:H	1:410:A:TYR:HB2	3	0.93
(1,113)	1:476:A:LEU:HD11	1:477:A:LYS:H	5	0.93
(1,113)	1:476:A:LEU:HD12	1:477:A:LYS:H	5	0.93
(1,113)	1:476:A:LEU:HD13	1:477:A:LYS:H	5	0.93
(1,113)	1:476:A:LEU:HD21	1:477:A:LYS:H	5	0.93
(1,113)	1:476:A:LEU:HD22	1:477:A:LYS:H	5	0.93
(1,113)	1:476:A:LEU:HD23	1:477:A:LYS:H	5	0.93
(1,57)	1:470:A:GLN:HG2	1:471:A:ILE:H	5	0.93
(1,57)	1:470:A:GLN:HG3	1:471:A:ILE:H	5	0.93
(1,48)	1:438:A:ILE:HB	1:439:A:ASP:H	10	0.93
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD11	4	0.93
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD12	4	0.93
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD13	4	0.93
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	15	0.92
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	15	0.92
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	15	0.92
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	15	0.92
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	15	0.92
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	15	0.92
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG21	17	0.92
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG22	17	0.92
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG23	17	0.92
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD1	1	0.92
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD2	1	0.92
(1,1491)	1:407:A:LEU:HD11	1:459:A:ALA:HA	4	0.92
(1,1491)	1:407:A:LEU:HD12	1:459:A:ALA:HA	4	0.92
(1,1491)	1:407:A:LEU:HD13	1:459:A:ALA:HA	4	0.92
(1,1491)	1:407:A:LEU:HD21	1:459:A:ALA:HA	4	0.92
(1,1491)	1:407:A:LEU:HD22	1:459:A:ALA:HA	4	0.92
(1,1491)	1:407:A:LEU:HD23	1:459:A:ALA:HA	4	0.92
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD11	7	0.92
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD12	7	0.92
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD13	7	0.92
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD11	18	0.92
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD12	18	0.92
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD13	18	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD11	1	0.92
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD12	1	0.92
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD13	1	0.92
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	20	0.92
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	20	0.92
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	20	0.92
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD11	18	0.92
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD12	18	0.92
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD13	18	0.92
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD21	18	0.92
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD22	18	0.92
(1,1264)	1:421:A:ILE:HG13	1:422:A:LEU:HD23	18	0.92
(1,1253)	1:444:A:LEU:HA	1:444:A:LEU:HG	1	0.92
(1,1240)	1:432:A:ILE:HG12	1:454:A:ASP:H	6	0.92
(1,1240)	1:432:A:ILE:HG13	1:454:A:ASP:H	6	0.92
(1,1191)	1:481:A:LYS:HB3	1:481:A:LYS:HD2	4	0.92
(1,1191)	1:481:A:LYS:HB3	1:481:A:LYS:HD2	10	0.92
(1,1191)	1:481:A:LYS:HB3	1:481:A:LYS:HD2	19	0.92
(1,1181)	1:479:A:GLN:HA	1:480:A:LEU:HG	9	0.92
(1,1181)	1:479:A:GLN:HA	1:480:A:LEU:HG	18	0.92
(1,1164)	1:407:A:LEU:HD11	1:459:A:ALA:HA	4	0.92
(1,1164)	1:407:A:LEU:HD12	1:459:A:ALA:HA	4	0.92
(1,1164)	1:407:A:LEU:HD13	1:459:A:ALA:HA	4	0.92
(1,1164)	1:407:A:LEU:HD21	1:459:A:ALA:HA	4	0.92
(1,1164)	1:407:A:LEU:HD22	1:459:A:ALA:HA	4	0.92
(1,1164)	1:407:A:LEU:HD23	1:459:A:ALA:HA	4	0.92
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG2	16	0.92
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG3	16	0.92
(1,1098)	1:440:A:LYS:HA	1:442:A:THR:H	4	0.92
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG21	10	0.92
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG22	10	0.92
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG23	10	0.92
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG21	10	0.92
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG22	10	0.92
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG23	10	0.92
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG21	10	0.92
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG22	10	0.92
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG23	10	0.92
(1,998)	1:485:A:ASN:HB3	1:486:A:ASP:H	20	0.92
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD11	7	0.92
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD12	7	0.92
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD13	7	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD11	18	0.92
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD12	18	0.92
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD13	18	0.92
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG21	13	0.92
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG22	13	0.92
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG23	13	0.92
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG21	20	0.92
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG22	20	0.92
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG23	20	0.92
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG21	5	0.92
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG22	5	0.92
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG23	5	0.92
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	14	0.92
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	14	0.92
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	20	0.92
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	20	0.92
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD2	12	0.92
(1,892)	1:412:A:LEU:HB3	1:413:A:PRO:HD3	12	0.92
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD2	13	0.92
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD3	13	0.92
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG21	17	0.92
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG22	17	0.92
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG23	17	0.92
(1,768)	1:457:A:VAL:HG11	1:458:A:SER:HB2	3	0.92
(1,768)	1:457:A:VAL:HG12	1:458:A:SER:HB2	3	0.92
(1,768)	1:457:A:VAL:HG13	1:458:A:SER:HB2	3	0.92
(1,768)	1:457:A:VAL:HG21	1:458:A:SER:HB2	3	0.92
(1,768)	1:457:A:VAL:HG22	1:458:A:SER:HB2	3	0.92
(1,768)	1:457:A:VAL:HG23	1:458:A:SER:HB2	3	0.92
(1,750)	1:436:A:VAL:HG21	1:450:A:PHE:H	17	0.92
(1,750)	1:436:A:VAL:HG22	1:450:A:PHE:H	17	0.92
(1,750)	1:436:A:VAL:HG23	1:450:A:PHE:H	17	0.92
(1,738)	1:431:A:VAL:HG11	1:432:A:ILE:H	9	0.92
(1,738)	1:431:A:VAL:HG12	1:432:A:ILE:H	9	0.92
(1,738)	1:431:A:VAL:HG13	1:432:A:ILE:H	9	0.92
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	11	0.92
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	11	0.92
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	11	0.92
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	11	0.92
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	11	0.92
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	11	0.92
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	11	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	11	0.92
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	11	0.92
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	8	0.92
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	8	0.92
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	8	0.92
(1,645)	1:407:A:LEU:HD11	1:451:A:VAL:H	17	0.92
(1,645)	1:407:A:LEU:HD12	1:451:A:VAL:H	17	0.92
(1,645)	1:407:A:LEU:HD13	1:451:A:VAL:H	17	0.92
(1,645)	1:407:A:LEU:HD21	1:451:A:VAL:H	17	0.92
(1,645)	1:407:A:LEU:HD22	1:451:A:VAL:H	17	0.92
(1,645)	1:407:A:LEU:HD23	1:451:A:VAL:H	17	0.92
(1,637)	1:476:A:LEU:HA	1:476:A:LEU:HG	14	0.92
(1,614)	1:407:A:LEU:H	1:407:A:LEU:HG	16	0.92
(1,588)	1:409:A:ILE:H	1:449:A:GLY:H	2	0.92
(1,588)	1:409:A:ILE:H	1:449:A:GLY:H	19	0.92
(1,579)	1:400:A:GLU:HB3	1:401:A:GLY:H	12	0.92
(1,533)	1:417:A:GLY:H	1:420:A:ASP:HB3	4	0.92
(1,521)	1:433:A:SER:H	1:433:A:SER:HB3	10	0.92
(1,504)	1:409:A:ILE:HA	1:412:A:LEU:H	15	0.92
(1,438)	1:420:A:ASP:HB3	1:421:A:ILE:H	2	0.92
(1,314)	1:474:A:LYS:HD2	1:475:A:ARG:H	11	0.92
(1,314)	1:474:A:LYS:HD3	1:475:A:ARG:H	11	0.92
(1,302)	1:403:A:GLU:HG2	1:405:A:ALA:H	20	0.92
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG21	13	0.92
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG22	13	0.92
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG23	13	0.92
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG21	20	0.92
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG22	20	0.92
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG23	20	0.92
(1,157)	1:406:A:ASN:HB2	1:407:A:LEU:H	9	0.92
(1,143)	1:410:A:TYR:H	1:410:A:TYR:HB2	8	0.92
(1,143)	1:410:A:TYR:H	1:410:A:TYR:HB2	17	0.92
(1,133)	1:405:A:ALA:HB1	1:451:A:VAL:H	12	0.92
(1,133)	1:405:A:ALA:HB2	1:451:A:VAL:H	12	0.92
(1,133)	1:405:A:ALA:HB3	1:451:A:VAL:H	12	0.92
(1,57)	1:470:A:GLN:HG2	1:471:A:ILE:H	2	0.92
(1,57)	1:470:A:GLN:HG3	1:471:A:ILE:H	2	0.92
(1,29)	1:439:A:ASP:HB3	1:440:A:LYS:H	14	0.92
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG21	5	0.92
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG22	5	0.92
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG23	5	0.92
(1,1590)	1:411:A:HIS:HB2	1:411:A:HIS:HD2	10	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD1	20	0.91
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD2	20	0.91
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD1	20	0.91
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD2	20	0.91
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB1	9	0.91
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB2	9	0.91
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB3	9	0.91
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB1	9	0.91
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB2	9	0.91
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB3	9	0.91
(1,1520)	1:434:A:ALA:HA	1:451:A:VAL:HA	5	0.91
(1,1520)	1:434:A:ALA:HA	1:451:A:VAL:HA	12	0.91
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD2	20	0.91
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD3	20	0.91
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG21	12	0.91
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG22	12	0.91
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG23	12	0.91
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG21	12	0.91
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG22	12	0.91
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG23	12	0.91
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG21	3	0.91
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG22	3	0.91
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG23	3	0.91
(1,1233)	1:419:A:GLN:HB2	1:420:A:ASP:H	13	0.91
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB2	6	0.91
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB3	6	0.91
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB2	6	0.91
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB3	6	0.91
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB2	6	0.91
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB3	6	0.91
(1,1191)	1:481:A:LYS:HB3	1:481:A:LYS:HD2	9	0.91
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB2	5	0.91
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB3	5	0.91
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB2	5	0.91
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB3	5	0.91
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB2	6	0.91
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB3	6	0.91
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB2	6	0.91
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB3	6	0.91
(1,1127)	1:467:A:ASN:HA	1:469:A:PHE:H	9	0.91
(1,1031)	1:430:A:ASN:HB2	1:431:A:VAL:H	19	0.91
(1,1031)	1:430:A:ASN:HB3	1:431:A:VAL:H	19	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG21	8	0.91
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG22	8	0.91
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG23	8	0.91
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG21	19	0.91
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG22	19	0.91
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG23	19	0.91
(1,880)	1:480:A:LEU:HB2	1:481:A:LYS:H	10	0.91
(1,880)	1:480:A:LEU:HB3	1:481:A:LYS:H	10	0.91
(1,860)	1:409:A:ILE:HG21	1:450:A:PHE:H	9	0.91
(1,860)	1:409:A:ILE:HG22	1:450:A:PHE:H	9	0.91
(1,860)	1:409:A:ILE:HG23	1:450:A:PHE:H	9	0.91
(1,724)	1:407:A:LEU:HB3	1:408:A:PHE:H	17	0.91
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG2	1	0.91
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG3	1	0.91
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG2	1	0.91
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG3	1	0.91
(1,676)	1:481:A:LYS:HG2	1:482:A:ARG:H	9	0.91
(1,676)	1:481:A:LYS:HG3	1:482:A:ARG:H	9	0.91
(1,657)	1:474:A:LYS:HA	1:474:A:LYS:HG3	11	0.91
(1,657)	1:474:A:LYS:HA	1:474:A:LYS:HG3	16	0.91
(1,640)	1:466:A:MET:HG2	1:476:A:LEU:HG	7	0.91
(1,640)	1:466:A:MET:HG3	1:476:A:LEU:HG	7	0.91
(1,600)	1:428:A:PHE:HB2	1:429:A:GLY:H	4	0.91
(1,586)	1:427:A:PRO:HG2	1:428:A:PHE:H	18	0.91
(1,579)	1:400:A:GLU:HB3	1:401:A:GLY:H	7	0.91
(1,563)	1:410:A:TYR:HB3	1:411:A:HIS:H	6	0.91
(1,522)	1:432:A:ILE:HB	1:433:A:SER:H	17	0.91
(1,521)	1:433:A:SER:H	1:433:A:SER:HB3	15	0.91
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD1	9	0.91
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD2	9	0.91
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB1	18	0.91
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB2	18	0.91
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB3	18	0.91
(1,358)	1:460:A:GLN:HA	1:463:A:ILE:H	4	0.91
(1,349)	1:407:A:LEU:HB3	1:408:A:PHE:H	17	0.91
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD1	12	0.91
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD2	12	0.91
(1,128)	1:467:A:ASN:HA	1:469:A:PHE:H	9	0.91
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG2	1	0.91
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG3	1	0.91
(1,78)	1:434:A:ALA:H	1:435:A:LYS:H	11	0.91
(1,29)	1:439:A:ASP:HB3	1:440:A:LYS:H	17	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG21	19	0.91
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG22	19	0.91
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG23	19	0.91
(1,1590)	1:411:A:HIS:HB2	1:411:A:HIS:HD2	2	0.9
(1,1583)	1:416:A:PHE:HD1	1:417:A:GLY:H	14	0.9
(1,1583)	1:416:A:PHE:HD2	1:417:A:GLY:H	14	0.9
(1,1583)	1:416:A:PHE:HD1	1:417:A:GLY:H	16	0.9
(1,1583)	1:416:A:PHE:HD2	1:417:A:GLY:H	16	0.9
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	20	0.9
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	20	0.9
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	20	0.9
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	20	0.9
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	20	0.9
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	20	0.9
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD1	12	0.9
(1,1557)	1:450:A:PHE:H	1:450:A:PHE:HD2	12	0.9
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD1	2	0.9
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD2	2	0.9
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	1	0.9
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	1	0.9
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	1	0.9
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	1	0.9
(1,1520)	1:434:A:ALA:HA	1:451:A:VAL:HA	13	0.9
(1,1451)	1:415:A:GLU:HG2	1:416:A:PHE:HA	11	0.9
(1,1451)	1:415:A:GLU:HG3	1:416:A:PHE:HA	11	0.9
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD11	2	0.9
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD12	2	0.9
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD13	2	0.9
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD11	8	0.9
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD12	8	0.9
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD13	8	0.9
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD11	9	0.9
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD12	9	0.9
(1,1421)	1:471:A:ILE:HA	1:471:A:ILE:HD13	9	0.9
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD11	12	0.9
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD12	12	0.9
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD13	12	0.9
(1,1394)	1:463:A:ILE:HG21	1:464:A:GLN:HA	10	0.9
(1,1394)	1:463:A:ILE:HG22	1:464:A:GLN:HA	10	0.9
(1,1394)	1:463:A:ILE:HG23	1:464:A:GLN:HA	10	0.9
(1,1394)	1:463:A:ILE:HG21	1:464:A:GLN:HA	18	0.9
(1,1394)	1:463:A:ILE:HG22	1:464:A:GLN:HA	18	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1394)	1:463:A:ILE:HG23	1:464:A:GLN:HA	18	0.9
(1,1248)	1:404:A:GLY:HA3	1:480:A:LEU:HG	19	0.9
(1,1240)	1:432:A:ILE:HG12	1:454:A:ASP:H	10	0.9
(1,1240)	1:432:A:ILE:HG13	1:454:A:ASP:H	10	0.9
(1,1239)	1:432:A:ILE:HG12	1:433:A:SER:H	15	0.9
(1,1239)	1:432:A:ILE:HG13	1:433:A:SER:H	15	0.9
(1,1191)	1:481:A:LYS:HB3	1:481:A:LYS:HD2	15	0.9
(1,1181)	1:479:A:GLN:HA	1:480:A:LEU:HG	8	0.9
(1,1162)	1:453:A:TYR:HD1	1:459:A:ALA:HA	17	0.9
(1,1162)	1:453:A:TYR:HD2	1:459:A:ALA:HA	17	0.9
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD11	2	0.9
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD12	2	0.9
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD13	2	0.9
(1,1082)	1:422:A:LEU:HA	1:425:A:PHE:HB2	15	0.9
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG2	6	0.9
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG3	6	0.9
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD11	4	0.9
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD12	4	0.9
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD13	4	0.9
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	20	0.9
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	20	0.9
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	20	0.9
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	20	0.9
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	20	0.9
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	20	0.9
(1,985)	1:416:A:PHE:HB3	1:417:A:GLY:H	12	0.9
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG21	17	0.9
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG22	17	0.9
(1,977)	1:438:A:ILE:H	1:438:A:ILE:HG23	17	0.9
(1,965)	1:438:A:ILE:HB	1:439:A:ASP:H	11	0.9
(1,960)	1:432:A:ILE:HG21	1:433:A:SER:H	2	0.9
(1,960)	1:432:A:ILE:HG22	1:433:A:SER:H	2	0.9
(1,960)	1:432:A:ILE:HG23	1:433:A:SER:H	2	0.9
(1,960)	1:432:A:ILE:HG21	1:433:A:SER:H	10	0.9
(1,960)	1:432:A:ILE:HG22	1:433:A:SER:H	10	0.9
(1,960)	1:432:A:ILE:HG23	1:433:A:SER:H	10	0.9
(1,941)	1:409:A:ILE:HB	1:410:A:TYR:H	14	0.9
(1,926)	1:406:A:ASN:HB3	1:407:A:LEU:H	4	0.9
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	18	0.9
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	18	0.9
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB1	11	0.9
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB2	11	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB3	11	0.9
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB1	11	0.9
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB2	11	0.9
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB3	11	0.9
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB1	11	0.9
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB2	11	0.9
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB3	11	0.9
(1,824)	1:436:A:VAL:HG11	1:437:A:PHE:H	3	0.9
(1,824)	1:436:A:VAL:HG12	1:437:A:PHE:H	3	0.9
(1,824)	1:436:A:VAL:HG13	1:437:A:PHE:H	3	0.9
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG11	11	0.9
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG12	11	0.9
(1,744)	1:426:A:MET:HA	1:431:A:VAL:HG13	11	0.9
(1,738)	1:431:A:VAL:HG11	1:432:A:ILE:H	8	0.9
(1,738)	1:431:A:VAL:HG12	1:432:A:ILE:H	8	0.9
(1,738)	1:431:A:VAL:HG13	1:432:A:ILE:H	8	0.9
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	17	0.9
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	17	0.9
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	17	0.9
(1,660)	1:406:A:ASN:H	1:480:A:LEU:HG	3	0.9
(1,637)	1:476:A:LEU:HA	1:476:A:LEU:HG	13	0.9
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG11	5	0.9
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG12	5	0.9
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG13	5	0.9
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG2	6	0.9
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG3	6	0.9
(1,394)	1:430:A:ASN:H	1:453:A:TYR:HE1	8	0.9
(1,394)	1:430:A:ASN:H	1:453:A:TYR:HE2	8	0.9
(1,373)	1:457:A:VAL:HB	1:458:A:SER:H	20	0.9
(1,314)	1:474:A:LYS:HD2	1:475:A:ARG:H	18	0.9
(1,314)	1:474:A:LYS:HD3	1:475:A:ARG:H	18	0.9
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD11	10	0.9
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD12	10	0.9
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD13	10	0.9
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG21	17	0.9
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG22	17	0.9
(1,234)	1:438:A:ILE:H	1:438:A:ILE:HG23	17	0.9
(1,206)	1:412:A:LEU:HD11	1:416:A:PHE:H	6	0.9
(1,206)	1:412:A:LEU:HD12	1:416:A:PHE:H	6	0.9
(1,206)	1:412:A:LEU:HD13	1:416:A:PHE:H	6	0.9
(1,206)	1:412:A:LEU:HD21	1:416:A:PHE:H	6	0.9
(1,206)	1:412:A:LEU:HD22	1:416:A:PHE:H	6	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,206)	1:412:A:LEU:HD23	1:416:A:PHE:H	6	0.9
(1,157)	1:406:A:ASN:HB2	1:407:A:LEU:H	7	0.9
(1,154)	1:406:A:ASN:HB3	1:407:A:LEU:H	4	0.9
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG11	2	0.9
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG12	2	0.9
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG13	2	0.9
(1,64)	1:436:A:VAL:HG11	1:437:A:PHE:H	3	0.9
(1,64)	1:436:A:VAL:HG12	1:437:A:PHE:H	3	0.9
(1,64)	1:436:A:VAL:HG13	1:437:A:PHE:H	3	0.9
(1,48)	1:438:A:ILE:HB	1:439:A:ASP:H	11	0.9
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	14	0.89
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	14	0.89
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	14	0.89
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	14	0.89
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	14	0.89
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	14	0.89
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD2	10	0.89
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD3	10	0.89
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD11	6	0.89
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD12	6	0.89
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD13	6	0.89
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD11	13	0.89
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD12	13	0.89
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD13	13	0.89
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD11	5	0.89
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD12	5	0.89
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD13	5	0.89
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD11	16	0.89
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD12	16	0.89
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD13	16	0.89
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG21	15	0.89
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG22	15	0.89
(1,1402)	1:413:A:PRO:HD2	1:471:A:ILE:HG23	15	0.89
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG21	15	0.89
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG22	15	0.89
(1,1402)	1:413:A:PRO:HD3	1:471:A:ILE:HG23	15	0.89
(1,1348)	1:475:A:ARG:HA	1:475:A:ARG:HD2	11	0.89
(1,1253)	1:444:A:LEU:HA	1:444:A:LEU:HG	5	0.89
(1,1253)	1:444:A:LEU:HA	1:444:A:LEU:HG	8	0.89
(1,1162)	1:453:A:TYR:HD1	1:459:A:ALA:HA	16	0.89
(1,1162)	1:453:A:TYR:HD2	1:459:A:ALA:HA	16	0.89
(1,1159)	1:459:A:ALA:HA	1:461:A:ALA:HA	17	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG2	14	0.89
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG3	14	0.89
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB2	9	0.89
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB3	9	0.89
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB2	9	0.89
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB3	9	0.89
(1,1121)	1:410:A:TYR:HA	1:449:A:GLY:H	4	0.89
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG2	18	0.89
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG3	18	0.89
(1,1052)	1:400:A:GLU:HG3	1:401:A:GLY:H	15	0.89
(1,1031)	1:430:A:ASN:HB2	1:431:A:VAL:H	9	0.89
(1,1031)	1:430:A:ASN:HB3	1:431:A:VAL:H	9	0.89
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD11	15	0.89
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD12	15	0.89
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD13	15	0.89
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD11	15	0.89
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD12	15	0.89
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD13	15	0.89
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD11	15	0.89
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD12	15	0.89
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD13	15	0.89
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD11	15	0.89
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD12	15	0.89
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD13	15	0.89
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD11	15	0.89
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD12	15	0.89
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD13	15	0.89
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD11	15	0.89
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD12	15	0.89
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD13	15	0.89
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD11	6	0.89
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD12	6	0.89
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD13	6	0.89
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG21	9	0.89
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG22	9	0.89
(1,966)	1:471:A:ILE:H	1:471:A:ILE:HG23	9	0.89
(1,960)	1:432:A:ILE:HG21	1:433:A:SER:H	1	0.89
(1,960)	1:432:A:ILE:HG22	1:433:A:SER:H	1	0.89
(1,960)	1:432:A:ILE:HG23	1:433:A:SER:H	1	0.89
(1,960)	1:432:A:ILE:HG21	1:433:A:SER:H	16	0.89
(1,960)	1:432:A:ILE:HG22	1:433:A:SER:H	16	0.89
(1,960)	1:432:A:ILE:HG23	1:433:A:SER:H	16	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	13	0.89
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	13	0.89
(1,803)	1:465:A:ALA:HB1	1:466:A:MET:HA	15	0.89
(1,803)	1:465:A:ALA:HB2	1:466:A:MET:HA	15	0.89
(1,803)	1:465:A:ALA:HB3	1:466:A:MET:HA	15	0.89
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG21	12	0.89
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG22	12	0.89
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG23	12	0.89
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG21	4	0.89
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG22	4	0.89
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG23	4	0.89
(1,738)	1:431:A:VAL:HG11	1:432:A:ILE:H	16	0.89
(1,738)	1:431:A:VAL:HG12	1:432:A:ILE:H	16	0.89
(1,738)	1:431:A:VAL:HG13	1:432:A:ILE:H	16	0.89
(1,724)	1:407:A:LEU:HB3	1:408:A:PHE:H	10	0.89
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG2	11	0.89
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG3	11	0.89
(1,657)	1:474:A:LYS:HA	1:474:A:LYS:HG3	5	0.89
(1,657)	1:474:A:LYS:HA	1:474:A:LYS:HG3	7	0.89
(1,657)	1:474:A:LYS:HA	1:474:A:LYS:HG3	10	0.89
(1,657)	1:474:A:LYS:HA	1:474:A:LYS:HG3	18	0.89
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	17	0.89
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	17	0.89
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	17	0.89
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	17	0.89
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	17	0.89
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	17	0.89
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	17	0.89
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	17	0.89
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	17	0.89
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	17	0.89
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	17	0.89
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	17	0.89
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	17	0.89
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	17	0.89
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	17	0.89
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	17	0.89
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	17	0.89
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	17	0.89
(1,645)	1:407:A:LEU:HD11	1:451:A:VAL:H	19	0.89
(1,645)	1:407:A:LEU:HD12	1:451:A:VAL:H	19	0.89
(1,645)	1:407:A:LEU:HD13	1:451:A:VAL:H	19	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:407:A:LEU:HD21	1:451:A:VAL:H	19	0.89
(1,645)	1:407:A:LEU:HD22	1:451:A:VAL:H	19	0.89
(1,645)	1:407:A:LEU:HD23	1:451:A:VAL:H	19	0.89
(1,629)	1:402:A:PRO:HD3	1:403:A:GLU:HB2	2	0.89
(1,590)	1:410:A:TYR:HA	1:449:A:GLY:H	4	0.89
(1,588)	1:409:A:ILE:H	1:449:A:GLY:H	6	0.89
(1,563)	1:410:A:TYR:HB3	1:411:A:HIS:H	1	0.89
(1,521)	1:433:A:SER:H	1:433:A:SER:HB3	1	0.89
(1,504)	1:409:A:ILE:HA	1:412:A:LEU:H	17	0.89
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG2	18	0.89
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG3	18	0.89
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD1	17	0.89
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD2	17	0.89
(1,467)	1:422:A:LEU:HD11	1:423:A:GLN:H	3	0.89
(1,467)	1:422:A:LEU:HD12	1:423:A:GLN:H	3	0.89
(1,467)	1:422:A:LEU:HD13	1:423:A:GLN:H	3	0.89
(1,467)	1:422:A:LEU:HD21	1:423:A:GLN:H	3	0.89
(1,467)	1:422:A:LEU:HD22	1:423:A:GLN:H	3	0.89
(1,467)	1:422:A:LEU:HD23	1:423:A:GLN:H	3	0.89
(1,439)	1:421:A:ILE:H	1:421:A:ILE:HG13	7	0.89
(1,369)	1:482:A:ARG:HB3	1:483:A:SER:H	1	0.89
(1,363)	1:407:A:LEU:HD11	1:463:A:ILE:H	6	0.89
(1,363)	1:407:A:LEU:HD12	1:463:A:ILE:H	6	0.89
(1,363)	1:407:A:LEU:HD13	1:463:A:ILE:H	6	0.89
(1,363)	1:407:A:LEU:HD21	1:463:A:ILE:H	6	0.89
(1,363)	1:407:A:LEU:HD22	1:463:A:ILE:H	6	0.89
(1,363)	1:407:A:LEU:HD23	1:463:A:ILE:H	6	0.89
(1,349)	1:407:A:LEU:HB3	1:408:A:PHE:H	10	0.89
(1,302)	1:403:A:GLU:HG2	1:405:A:ALA:H	15	0.89
(1,207)	1:417:A:GLY:H	1:418:A:ASP:H	11	0.89
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG21	12	0.89
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG22	12	0.89
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG23	12	0.89
(1,57)	1:470:A:GLN:HG2	1:471:A:ILE:H	16	0.89
(1,57)	1:470:A:GLN:HG3	1:471:A:ILE:H	16	0.89
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD11	8	0.88
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD12	8	0.88
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD13	8	0.88
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD11	11	0.88
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD12	11	0.88
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD13	11	0.88
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD11	14	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD12	14	0.88
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD13	14	0.88
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD1	15	0.88
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD2	15	0.88
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	6	0.88
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	6	0.88
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	6	0.88
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	6	0.88
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	6	0.88
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	6	0.88
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	6	0.88
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	6	0.88
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	6	0.88
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	6	0.88
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	6	0.88
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	6	0.88
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	6	0.88
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	6	0.88
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	6	0.88
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	6	0.88
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	6	0.88
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	6	0.88
(1,1348)	1:475:A:ARG:HA	1:475:A:ARG:HD2	1	0.88
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	15	0.88
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	15	0.88
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	15	0.88
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG21	1	0.88
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG22	1	0.88
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG23	1	0.88
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG21	1	0.88
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG22	1	0.88
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG23	1	0.88
(1,1232)	1:419:A:GLN:HB3	1:420:A:ASP:H	8	0.88
(1,1230)	1:402:A:PRO:HG2	1:455:A:ASN:HA	9	0.88
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG2	2	0.88
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG3	2	0.88
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG2	5	0.88
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG3	5	0.88
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD11	8	0.88
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD12	8	0.88
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD13	8	0.88
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD11	11	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD12	11	0.88
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD13	11	0.88
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD11	3	0.88
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD12	3	0.88
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD13	3	0.88
(1,1061)	1:409:A:ILE:HA	1:409:A:ILE:HG12	3	0.88
(1,1005)	1:425:A:PHE:HB2	1:426:A:MET:H	11	0.88
(1,987)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	7	0.88
(1,987)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	7	0.88
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD11	14	0.88
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD12	14	0.88
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD13	14	0.88
(1,921)	1:455:A:ASN:HB3	1:455:A:ASN:HD22	15	0.88
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB1	10	0.88
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB2	10	0.88
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB3	10	0.88
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB1	10	0.88
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB2	10	0.88
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB3	10	0.88
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB1	10	0.88
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB2	10	0.88
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB3	10	0.88
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB1	17	0.88
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB2	17	0.88
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB3	17	0.88
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB1	17	0.88
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB2	17	0.88
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB3	17	0.88
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB1	17	0.88
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB2	17	0.88
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB3	17	0.88
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD2	6	0.88
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD3	6	0.88
(1,860)	1:409:A:ILE:HG21	1:450:A:PHE:H	2	0.88
(1,860)	1:409:A:ILE:HG22	1:450:A:PHE:H	2	0.88
(1,860)	1:409:A:ILE:HG23	1:450:A:PHE:H	2	0.88
(1,750)	1:436:A:VAL:HG21	1:450:A:PHE:H	8	0.88
(1,750)	1:436:A:VAL:HG22	1:450:A:PHE:H	8	0.88
(1,750)	1:436:A:VAL:HG23	1:450:A:PHE:H	8	0.88
(1,738)	1:431:A:VAL:HG11	1:432:A:ILE:H	4	0.88
(1,738)	1:431:A:VAL:HG12	1:432:A:ILE:H	4	0.88
(1,738)	1:431:A:VAL:HG13	1:432:A:ILE:H	4	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	15	0.88
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	15	0.88
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	15	0.88
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG21	14	0.88
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG22	14	0.88
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG23	14	0.88
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	18	0.88
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	18	0.88
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	18	0.88
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	6	0.88
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	6	0.88
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	6	0.88
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	6	0.88
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	6	0.88
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	6	0.88
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	6	0.88
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	6	0.88
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	6	0.88
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	6	0.88
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	6	0.88
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	6	0.88
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	6	0.88
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	6	0.88
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	6	0.88
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	6	0.88
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	6	0.88
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	6	0.88
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG2	8	0.88
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG3	8	0.88
(1,614)	1:407:A:LEU:H	1:407:A:LEU:HG	20	0.88
(1,576)	1:398:A:GLN:HG2	1:398:A:GLN:HE22	20	0.88
(1,563)	1:410:A:TYR:HB3	1:411:A:HIS:H	10	0.88
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG11	12	0.88
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG12	12	0.88
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG13	12	0.88
(1,545)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	5	0.88
(1,521)	1:433:A:SER:H	1:433:A:SER:HB3	9	0.88
(1,520)	1:433:A:SER:H	1:453:A:TYR:HA	2	0.88
(1,518)	1:430:A:ASN:HA	1:430:A:ASN:HD22	14	0.88
(1,507)	1:454:A:ASP:H	1:455:A:ASN:H	11	0.88
(1,387)	1:419:A:GLN:HB3	1:420:A:ASP:H	8	0.88
(1,373)	1:457:A:VAL:HB	1:458:A:SER:H	3	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG21	14	0.88
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG22	14	0.88
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG23	14	0.88
(1,314)	1:474:A:LYS:HD2	1:475:A:ARG:H	10	0.88
(1,314)	1:474:A:LYS:HD3	1:475:A:ARG:H	10	0.88
(1,280)	1:458:A:SER:HB2	1:459:A:ALA:H	2	0.88
(1,57)	1:470:A:GLN:HG2	1:471:A:ILE:H	3	0.88
(1,57)	1:470:A:GLN:HG3	1:471:A:ILE:H	3	0.88
(1,57)	1:470:A:GLN:HG2	1:471:A:ILE:H	18	0.88
(1,57)	1:470:A:GLN:HG3	1:471:A:ILE:H	18	0.88
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD11	3	0.88
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD12	3	0.88
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD13	3	0.88
(1,1590)	1:411:A:HIS:HB2	1:411:A:HIS:HD2	16	0.87
(1,1583)	1:416:A:PHE:HD1	1:417:A:GLY:H	1	0.87
(1,1583)	1:416:A:PHE:HD2	1:417:A:GLY:H	1	0.87
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	14	0.87
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	14	0.87
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	14	0.87
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	14	0.87
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	14	0.87
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	14	0.87
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	20	0.87
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	20	0.87
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	20	0.87
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	20	0.87
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	20	0.87
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	20	0.87
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD1	10	0.87
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD2	10	0.87
(1,1537)	1:448:A:PHE:HD1	1:449:A:GLY:H	11	0.87
(1,1537)	1:448:A:PHE:HD2	1:449:A:GLY:H	11	0.87
(1,1535)	1:410:A:TYR:HD1	1:448:A:PHE:HB2	19	0.87
(1,1535)	1:410:A:TYR:HD1	1:448:A:PHE:HB3	19	0.87
(1,1535)	1:410:A:TYR:HD2	1:448:A:PHE:HB2	19	0.87
(1,1535)	1:410:A:TYR:HD2	1:448:A:PHE:HB3	19	0.87
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD2	6	0.87
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD3	6	0.87
(1,1464)	1:431:A:VAL:HA	1:453:A:TYR:HA	16	0.87
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD11	15	0.87
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD12	15	0.87
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD13	15	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD1	10	0.87
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD2	10	0.87
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	17	0.87
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	17	0.87
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	17	0.87
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	17	0.87
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	17	0.87
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	17	0.87
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	17	0.87
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	17	0.87
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	17	0.87
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD11	15	0.87
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD12	15	0.87
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD13	15	0.87
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	20	0.87
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	20	0.87
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	20	0.87
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	20	0.87
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	20	0.87
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	20	0.87
(1,1233)	1:419:A:GLN:HB2	1:420:A:ASP:H	17	0.87
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB2	14	0.87
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB3	14	0.87
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB2	14	0.87
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB3	14	0.87
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB2	14	0.87
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB3	14	0.87
(1,1162)	1:453:A:TYR:HD1	1:459:A:ALA:HA	15	0.87
(1,1162)	1:453:A:TYR:HD2	1:459:A:ALA:HA	15	0.87
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG2	12	0.87
(1,1117)	1:464:A:GLN:H	1:464:A:GLN:HG3	12	0.87
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD11	15	0.87
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD12	15	0.87
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD13	15	0.87
(1,1108)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	2	0.87
(1,1108)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	18	0.87
(1,1061)	1:409:A:ILE:HA	1:409:A:ILE:HG12	8	0.87
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	17	0.87
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	17	0.87
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	17	0.87
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	17	0.87
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	17	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	17	0.87
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	17	0.87
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	17	0.87
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	17	0.87
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	14	0.87
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	14	0.87
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	14	0.87
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	14	0.87
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	14	0.87
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	14	0.87
(1,1018)	1:443:A:ASN:HB3	1:443:A:ASN:HD22	7	0.87
(1,1005)	1:425:A:PHE:HB2	1:426:A:MET:H	3	0.87
(1,1005)	1:425:A:PHE:HB2	1:426:A:MET:H	9	0.87
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG21	13	0.87
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG22	13	0.87
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG23	13	0.87
(1,926)	1:406:A:ASN:HB3	1:407:A:LEU:H	6	0.87
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB2	10	0.87
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB3	10	0.87
(1,829)	1:450:A:PHE:H	1:450:A:PHE:HB2	3	0.87
(1,803)	1:465:A:ALA:HB1	1:466:A:MET:HA	4	0.87
(1,803)	1:465:A:ALA:HB2	1:466:A:MET:HA	4	0.87
(1,803)	1:465:A:ALA:HB3	1:466:A:MET:HA	4	0.87
(1,803)	1:465:A:ALA:HB1	1:466:A:MET:HA	16	0.87
(1,803)	1:465:A:ALA:HB2	1:466:A:MET:HA	16	0.87
(1,803)	1:465:A:ALA:HB3	1:466:A:MET:HA	16	0.87
(1,770)	1:457:A:VAL:HG11	1:458:A:SER:HB3	7	0.87
(1,770)	1:457:A:VAL:HG12	1:458:A:SER:HB3	7	0.87
(1,770)	1:457:A:VAL:HG13	1:458:A:SER:HB3	7	0.87
(1,770)	1:457:A:VAL:HG21	1:458:A:SER:HB3	7	0.87
(1,770)	1:457:A:VAL:HG22	1:458:A:SER:HB3	7	0.87
(1,770)	1:457:A:VAL:HG23	1:458:A:SER:HB3	7	0.87
(1,724)	1:407:A:LEU:HB3	1:408:A:PHE:H	8	0.87
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG21	1	0.87
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG22	1	0.87
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG23	1	0.87
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG21	18	0.87
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG22	18	0.87
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG23	18	0.87
(1,700)	1:476:A:LEU:HD11	1:477:A:LYS:H	20	0.87
(1,700)	1:476:A:LEU:HD12	1:477:A:LYS:H	20	0.87
(1,700)	1:476:A:LEU:HD13	1:477:A:LYS:H	20	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,700)	1:476:A:LEU:HD21	1:477:A:LYS:H	20	0.87
(1,700)	1:476:A:LEU:HD22	1:477:A:LYS:H	20	0.87
(1,700)	1:476:A:LEU:HD23	1:477:A:LYS:H	20	0.87
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG2	13	0.87
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG3	13	0.87
(1,657)	1:474:A:LYS:HA	1:474:A:LYS:HG3	9	0.87
(1,637)	1:476:A:LEU:HA	1:476:A:LEU:HG	1	0.87
(1,586)	1:427:A:PRO:HG2	1:428:A:PHE:H	8	0.87
(1,576)	1:398:A:GLN:HG2	1:398:A:GLN:HE22	4	0.87
(1,576)	1:398:A:GLN:HG2	1:398:A:GLN:HE22	18	0.87
(1,467)	1:422:A:LEU:HD11	1:423:A:GLN:H	2	0.87
(1,467)	1:422:A:LEU:HD12	1:423:A:GLN:H	2	0.87
(1,467)	1:422:A:LEU:HD13	1:423:A:GLN:H	2	0.87
(1,467)	1:422:A:LEU:HD21	1:423:A:GLN:H	2	0.87
(1,467)	1:422:A:LEU:HD22	1:423:A:GLN:H	2	0.87
(1,467)	1:422:A:LEU:HD23	1:423:A:GLN:H	2	0.87
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG21	1	0.87
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG22	1	0.87
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG23	1	0.87
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG21	18	0.87
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG22	18	0.87
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG23	18	0.87
(1,349)	1:407:A:LEU:HB3	1:408:A:PHE:H	8	0.87
(1,283)	1:407:A:LEU:HG	1:459:A:ALA:H	17	0.87
(1,206)	1:412:A:LEU:HD11	1:416:A:PHE:H	14	0.87
(1,206)	1:412:A:LEU:HD12	1:416:A:PHE:H	14	0.87
(1,206)	1:412:A:LEU:HD13	1:416:A:PHE:H	14	0.87
(1,206)	1:412:A:LEU:HD21	1:416:A:PHE:H	14	0.87
(1,206)	1:412:A:LEU:HD22	1:416:A:PHE:H	14	0.87
(1,206)	1:412:A:LEU:HD23	1:416:A:PHE:H	14	0.87
(1,192)	1:418:A:ASP:HB2	1:436:A:VAL:H	7	0.87
(1,154)	1:406:A:ASN:HB3	1:407:A:LEU:H	6	0.87
(1,148)	1:407:A:LEU:H	1:408:A:PHE:H	10	0.87
(1,133)	1:405:A:ALA:HB1	1:451:A:VAL:H	5	0.87
(1,133)	1:405:A:ALA:HB2	1:451:A:VAL:H	5	0.87
(1,133)	1:405:A:ALA:HB3	1:451:A:VAL:H	5	0.87
(1,113)	1:476:A:LEU:HD11	1:477:A:LYS:H	20	0.87
(1,113)	1:476:A:LEU:HD12	1:477:A:LYS:H	20	0.87
(1,113)	1:476:A:LEU:HD13	1:477:A:LYS:H	20	0.87
(1,113)	1:476:A:LEU:HD21	1:477:A:LYS:H	20	0.87
(1,113)	1:476:A:LEU:HD22	1:477:A:LYS:H	20	0.87
(1,113)	1:476:A:LEU:HD23	1:477:A:LYS:H	20	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:438:A:ILE:H	1:439:A:ASP:H	3	0.87
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG21	13	0.87
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG22	13	0.87
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG23	13	0.87
(1,1590)	1:411:A:HIS:HB2	1:411:A:HIS:HD2	7	0.86
(1,1583)	1:416:A:PHE:HD1	1:417:A:GLY:H	2	0.86
(1,1583)	1:416:A:PHE:HD2	1:417:A:GLY:H	2	0.86
(1,1583)	1:416:A:PHE:HD1	1:417:A:GLY:H	15	0.86
(1,1583)	1:416:A:PHE:HD2	1:417:A:GLY:H	15	0.86
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD1	10	0.86
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD2	10	0.86
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD1	10	0.86
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD2	10	0.86
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD1	14	0.86
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD2	14	0.86
(1,1520)	1:434:A:ALA:HA	1:451:A:VAL:HA	1	0.86
(1,1520)	1:434:A:ALA:HA	1:451:A:VAL:HA	16	0.86
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD11	10	0.86
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD12	10	0.86
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD13	10	0.86
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD11	7	0.86
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD12	7	0.86
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD13	7	0.86
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD11	13	0.86
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD12	13	0.86
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD13	13	0.86
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE2	11	0.86
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE3	11	0.86
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE2	11	0.86
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE3	11	0.86
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	14	0.86
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	14	0.86
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	14	0.86
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	14	0.86
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	14	0.86
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	14	0.86
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	14	0.86
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	14	0.86
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	14	0.86
(1,1240)	1:432:A:ILE:HG12	1:454:A:ASP:H	1	0.86
(1,1240)	1:432:A:ILE:HG13	1:454:A:ASP:H	1	0.86
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB2	1	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB3	1	0.86
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB2	1	0.86
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB3	1	0.86
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB2	1	0.86
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB3	1	0.86
(1,1219)	1:414:A:GLN:HB2	1:415:A:GLU:H	13	0.86
(1,1197)	1:441:A:GLN:HB2	1:442:A:THR:H	14	0.86
(1,1162)	1:453:A:TYR:HD1	1:459:A:ALA:HA	3	0.86
(1,1162)	1:453:A:TYR:HD2	1:459:A:ALA:HA	3	0.86
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB2	1	0.86
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB3	1	0.86
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB2	1	0.86
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB3	1	0.86
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD11	10	0.86
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD12	10	0.86
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD13	10	0.86
(1,1108)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	6	0.86
(1,1108)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	14	0.86
(1,1108)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	19	0.86
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG2	3	0.86
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG3	3	0.86
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	14	0.86
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	14	0.86
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	14	0.86
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	14	0.86
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	14	0.86
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	14	0.86
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	14	0.86
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	14	0.86
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	14	0.86
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD11	16	0.86
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD12	16	0.86
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD13	16	0.86
(1,1018)	1:443:A:ASN:HB3	1:443:A:ASN:HD22	9	0.86
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG21	8	0.86
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG22	8	0.86
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG23	8	0.86
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB1	2	0.86
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB2	2	0.86
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB3	2	0.86
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB1	2	0.86
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB2	2	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB3	2	0.86
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	5	0.86
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	5	0.86
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB1	18	0.86
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB2	18	0.86
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB3	18	0.86
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB1	18	0.86
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB2	18	0.86
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB3	18	0.86
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB1	18	0.86
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB2	18	0.86
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB3	18	0.86
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB2	19	0.86
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB3	19	0.86
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB2	20	0.86
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB3	20	0.86
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD2	18	0.86
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD3	18	0.86
(1,860)	1:409:A:ILE:HG21	1:450:A:PHE:H	6	0.86
(1,860)	1:409:A:ILE:HG22	1:450:A:PHE:H	6	0.86
(1,860)	1:409:A:ILE:HG23	1:450:A:PHE:H	6	0.86
(1,860)	1:409:A:ILE:HG21	1:450:A:PHE:H	13	0.86
(1,860)	1:409:A:ILE:HG22	1:450:A:PHE:H	13	0.86
(1,860)	1:409:A:ILE:HG23	1:450:A:PHE:H	13	0.86
(1,738)	1:431:A:VAL:HG11	1:432:A:ILE:H	12	0.86
(1,738)	1:431:A:VAL:HG12	1:432:A:ILE:H	12	0.86
(1,738)	1:431:A:VAL:HG13	1:432:A:ILE:H	12	0.86
(1,724)	1:407:A:LEU:HB3	1:408:A:PHE:H	1	0.86
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG2	3	0.86
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG3	3	0.86
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG2	5	0.86
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG3	5	0.86
(1,676)	1:481:A:LYS:HG2	1:482:A:ARG:H	2	0.86
(1,676)	1:481:A:LYS:HG3	1:482:A:ARG:H	2	0.86
(1,645)	1:407:A:LEU:HD11	1:451:A:VAL:H	4	0.86
(1,645)	1:407:A:LEU:HD12	1:451:A:VAL:H	4	0.86
(1,645)	1:407:A:LEU:HD13	1:451:A:VAL:H	4	0.86
(1,645)	1:407:A:LEU:HD21	1:451:A:VAL:H	4	0.86
(1,645)	1:407:A:LEU:HD22	1:451:A:VAL:H	4	0.86
(1,645)	1:407:A:LEU:HD23	1:451:A:VAL:H	4	0.86
(1,615)	1:407:A:LEU:HG	1:462:A:ALA:H	12	0.86
(1,600)	1:428:A:PHE:HB2	1:429:A:GLY:H	14	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,576)	1:398:A:GLN:HG2	1:398:A:GLN:HE22	5	0.86
(1,576)	1:398:A:GLN:HG2	1:398:A:GLN:HE22	6	0.86
(1,545)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	16	0.86
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG2	3	0.86
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG3	3	0.86
(1,481)	1:406:A:ASN:H	1:407:A:LEU:H	1	0.86
(1,349)	1:407:A:LEU:HB3	1:408:A:PHE:H	1	0.86
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG11	4	0.86
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG12	4	0.86
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG13	4	0.86
(1,271)	1:456:A:PRO:HD2	1:457:A:VAL:H	8	0.86
(1,271)	1:456:A:PRO:HD2	1:457:A:VAL:H	11	0.86
(1,221)	1:407:A:LEU:HG	1:462:A:ALA:H	12	0.86
(1,192)	1:418:A:ASP:HB2	1:436:A:VAL:H	1	0.86
(1,152)	1:406:A:ASN:H	1:407:A:LEU:H	1	0.86
(1,43)	1:438:A:ILE:H	1:439:A:ASP:H	17	0.86
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG21	8	0.86
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG22	8	0.86
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG23	8	0.86
(1,1583)	1:416:A:PHE:HD1	1:417:A:GLY:H	9	0.85
(1,1583)	1:416:A:PHE:HD2	1:417:A:GLY:H	9	0.85
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD1	19	0.85
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD2	19	0.85
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD1	19	0.85
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD2	19	0.85
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	14	0.85
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	14	0.85
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	14	0.85
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	14	0.85
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	14	0.85
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	14	0.85
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD2	15	0.85
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD3	15	0.85
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD11	4	0.85
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD12	4	0.85
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD13	4	0.85
(1,1394)	1:463:A:ILE:HG21	1:464:A:GLN:HA	9	0.85
(1,1394)	1:463:A:ILE:HG22	1:464:A:GLN:HA	9	0.85
(1,1394)	1:463:A:ILE:HG23	1:464:A:GLN:HA	9	0.85
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB1	8	0.85
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB2	8	0.85
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB3	8	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB1	8	0.85
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB2	8	0.85
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB3	8	0.85
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB1	8	0.85
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB2	8	0.85
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB3	8	0.85
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	9	0.85
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	9	0.85
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	9	0.85
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	9	0.85
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	9	0.85
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	9	0.85
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	9	0.85
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	9	0.85
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	9	0.85
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	7	0.85
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	7	0.85
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	7	0.85
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	14	0.85
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	14	0.85
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	14	0.85
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	14	0.85
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	14	0.85
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	14	0.85
(1,1233)	1:419:A:GLN:HB2	1:420:A:ASP:H	16	0.85
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD11	4	0.85
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD12	4	0.85
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD13	4	0.85
(1,1108)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	9	0.85
(1,1108)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	11	0.85
(1,1108)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	13	0.85
(1,1108)	1:441:A:GLN:HG2	1:441:A:GLN:HE22	20	0.85
(1,1082)	1:422:A:LEU:HA	1:425:A:PHE:HB2	14	0.85
(1,1082)	1:422:A:LEU:HA	1:425:A:PHE:HB2	16	0.85
(1,1017)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	19	0.85
(1,997)	1:485:A:ASN:HB2	1:486:A:ASP:H	1	0.85
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD11	12	0.85
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD12	12	0.85
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD13	12	0.85
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG21	5	0.85
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG22	5	0.85
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG23	5	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG21	5	0.85
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG22	5	0.85
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG23	5	0.85
(1,965)	1:438:A:ILE:HB	1:439:A:ASP:H	6	0.85
(1,965)	1:438:A:ILE:HB	1:439:A:ASP:H	17	0.85
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	9	0.85
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	9	0.85
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	9	0.85
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	9	0.85
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	9	0.85
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	9	0.85
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	9	0.85
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	9	0.85
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	9	0.85
(1,939)	1:486:A:ASP:H	1:486:A:ASP:HB3	1	0.85
(1,921)	1:455:A:ASN:HB3	1:455:A:ASN:HD22	1	0.85
(1,921)	1:455:A:ASN:HB3	1:455:A:ASN:HD22	4	0.85
(1,921)	1:455:A:ASN:HB3	1:455:A:ASN:HD22	11	0.85
(1,921)	1:455:A:ASN:HB3	1:455:A:ASN:HD22	12	0.85
(1,921)	1:455:A:ASN:HB3	1:455:A:ASN:HD22	14	0.85
(1,921)	1:455:A:ASN:HB3	1:455:A:ASN:HD22	17	0.85
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB1	7	0.85
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB2	7	0.85
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB3	7	0.85
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB1	7	0.85
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB2	7	0.85
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB3	7	0.85
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB1	7	0.85
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB2	7	0.85
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB3	7	0.85
(1,852)	1:405:A:ALA:HB1	1:455:A:ASN:H	10	0.85
(1,852)	1:405:A:ALA:HB2	1:455:A:ASN:H	10	0.85
(1,852)	1:405:A:ALA:HB3	1:455:A:ASN:H	10	0.85
(1,829)	1:450:A:PHE:H	1:450:A:PHE:HB2	18	0.85
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB1	9	0.85
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB2	9	0.85
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB3	9	0.85
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB1	9	0.85
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB2	9	0.85
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB3	9	0.85
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB1	9	0.85
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB2	9	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB3	9	0.85
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG21	2	0.85
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG22	2	0.85
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG23	2	0.85
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	8	0.85
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	8	0.85
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	8	0.85
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD11	12	0.85
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD12	12	0.85
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD13	12	0.85
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD2	3	0.85
(1,703)	1:412:A:LEU:HD11	1:413:A:PRO:HD3	3	0.85
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD2	3	0.85
(1,703)	1:412:A:LEU:HD12	1:413:A:PRO:HD3	3	0.85
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD2	3	0.85
(1,703)	1:412:A:LEU:HD13	1:413:A:PRO:HD3	3	0.85
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD2	3	0.85
(1,703)	1:412:A:LEU:HD21	1:413:A:PRO:HD3	3	0.85
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD2	3	0.85
(1,703)	1:412:A:LEU:HD22	1:413:A:PRO:HD3	3	0.85
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD2	3	0.85
(1,703)	1:412:A:LEU:HD23	1:413:A:PRO:HD3	3	0.85
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG2	11	0.85
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG3	11	0.85
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG2	4	0.85
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG3	4	0.85
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG2	19	0.85
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG3	19	0.85
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG2	9	0.85
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG3	9	0.85
(1,657)	1:474:A:LYS:HA	1:474:A:LYS:HG3	3	0.85
(1,629)	1:402:A:PRO:HD3	1:403:A:GLU:HB2	4	0.85
(1,600)	1:428:A:PHE:HB2	1:429:A:GLY:H	5	0.85
(1,600)	1:428:A:PHE:HB2	1:429:A:GLY:H	18	0.85
(1,576)	1:398:A:GLN:HG2	1:398:A:GLN:HE22	10	0.85
(1,576)	1:398:A:GLN:HG2	1:398:A:GLN:HE22	13	0.85
(1,563)	1:410:A:TYR:HB3	1:411:A:HIS:H	13	0.85
(1,563)	1:410:A:TYR:HB3	1:411:A:HIS:H	14	0.85
(1,545)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	15	0.85
(1,545)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	19	0.85
(1,545)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	20	0.85
(1,478)	1:444:A:LEU:HB2	1:445:A:SER:H	2	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:438:A:ILE:HB	1:443:A:ASN:H	9	0.85
(1,412)	1:441:A:GLN:H	1:443:A:ASN:H	6	0.85
(1,261)	1:486:A:ASP:H	1:486:A:ASP:HB3	1	0.85
(1,258)	1:435:A:LYS:H	1:436:A:VAL:H	14	0.85
(1,241)	1:399:A:LYS:HB2	1:400:A:GLU:H	13	0.85
(1,241)	1:399:A:LYS:HB3	1:400:A:GLU:H	13	0.85
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG21	2	0.85
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG22	2	0.85
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG23	2	0.85
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG2	9	0.85
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG3	9	0.85
(1,67)	1:436:A:VAL:HB	1:437:A:PHE:H	10	0.85
(1,57)	1:470:A:GLN:HG2	1:471:A:ILE:H	14	0.85
(1,57)	1:470:A:GLN:HG3	1:471:A:ILE:H	14	0.85
(1,57)	1:470:A:GLN:HG2	1:471:A:ILE:H	19	0.85
(1,57)	1:470:A:GLN:HG3	1:471:A:ILE:H	19	0.85
(1,48)	1:438:A:ILE:HB	1:439:A:ASP:H	6	0.85
(1,48)	1:438:A:ILE:HB	1:439:A:ASP:H	17	0.85
(1,1)	1:469:A:PHE:HD1	1:470:A:GLN:H	1	0.85
(1,1)	1:469:A:PHE:HD2	1:470:A:GLN:H	1	0.85
(1,1583)	1:416:A:PHE:HD1	1:417:A:GLY:H	20	0.84
(1,1583)	1:416:A:PHE:HD2	1:417:A:GLY:H	20	0.84
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD1	5	0.84
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD2	5	0.84
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD1	5	0.84
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD2	5	0.84
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD2	1	0.84
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD3	1	0.84
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD2	5	0.84
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD3	5	0.84
(1,1491)	1:407:A:LEU:HD11	1:459:A:ALA:HA	17	0.84
(1,1491)	1:407:A:LEU:HD12	1:459:A:ALA:HA	17	0.84
(1,1491)	1:407:A:LEU:HD13	1:459:A:ALA:HA	17	0.84
(1,1491)	1:407:A:LEU:HD21	1:459:A:ALA:HA	17	0.84
(1,1491)	1:407:A:LEU:HD22	1:459:A:ALA:HA	17	0.84
(1,1491)	1:407:A:LEU:HD23	1:459:A:ALA:HA	17	0.84
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD2	5	0.84
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD3	5	0.84
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	16	0.84
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	16	0.84
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	16	0.84
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	16	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	16	0.84
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	16	0.84
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	16	0.84
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	16	0.84
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	16	0.84
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	16	0.84
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	16	0.84
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	16	0.84
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	16	0.84
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	16	0.84
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	16	0.84
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	16	0.84
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	16	0.84
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	16	0.84
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD11	20	0.84
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD12	20	0.84
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD13	20	0.84
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD11	3	0.84
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD12	3	0.84
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD13	3	0.84
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	20	0.84
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	20	0.84
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	20	0.84
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	20	0.84
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	20	0.84
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	20	0.84
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	20	0.84
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	20	0.84
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	20	0.84
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	20	0.84
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	20	0.84
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	20	0.84
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	20	0.84
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	20	0.84
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	20	0.84
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	20	0.84
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	20	0.84
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	20	0.84
(1,1253)	1:444:A:LEU:HA	1:444:A:LEU:HG	7	0.84
(1,1253)	1:444:A:LEU:HA	1:444:A:LEU:HG	15	0.84
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	20	0.84
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	20	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	20	0.84
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	20	0.84
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	20	0.84
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	20	0.84
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	20	0.84
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	20	0.84
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	20	0.84
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	20	0.84
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	20	0.84
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	20	0.84
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	20	0.84
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	20	0.84
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	20	0.84
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	20	0.84
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	20	0.84
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	20	0.84
(1,1233)	1:419:A:GLN:HB2	1:420:A:ASP:H	10	0.84
(1,1191)	1:481:A:LYS:HB3	1:481:A:LYS:HD2	2	0.84
(1,1191)	1:481:A:LYS:HB3	1:481:A:LYS:HD2	7	0.84
(1,1181)	1:479:A:GLN:HA	1:480:A:LEU:HG	2	0.84
(1,1181)	1:479:A:GLN:HA	1:480:A:LEU:HG	14	0.84
(1,1164)	1:407:A:LEU:HD11	1:459:A:ALA:HA	17	0.84
(1,1164)	1:407:A:LEU:HD12	1:459:A:ALA:HA	17	0.84
(1,1164)	1:407:A:LEU:HD13	1:459:A:ALA:HA	17	0.84
(1,1164)	1:407:A:LEU:HD21	1:459:A:ALA:HA	17	0.84
(1,1164)	1:407:A:LEU:HD22	1:459:A:ALA:HA	17	0.84
(1,1164)	1:407:A:LEU:HD23	1:459:A:ALA:HA	17	0.84
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD11	14	0.84
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD12	14	0.84
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD13	14	0.84
(1,1031)	1:430:A:ASN:HB2	1:431:A:VAL:H	8	0.84
(1,1031)	1:430:A:ASN:HB3	1:431:A:VAL:H	8	0.84
(1,1018)	1:443:A:ASN:HB3	1:443:A:ASN:HD22	16	0.84
(1,1017)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	1	0.84
(1,1017)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	5	0.84
(1,1017)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	12	0.84
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	2	0.84
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	2	0.84
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	2	0.84
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	2	0.84
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	2	0.84
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	2	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,965)	1:438:A:ILE:HB	1:439:A:ASP:H	12	0.84
(1,960)	1:432:A:ILE:HG21	1:433:A:SER:H	12	0.84
(1,960)	1:432:A:ILE:HG22	1:433:A:SER:H	12	0.84
(1,960)	1:432:A:ILE:HG23	1:433:A:SER:H	12	0.84
(1,960)	1:432:A:ILE:HG21	1:433:A:SER:H	18	0.84
(1,960)	1:432:A:ILE:HG22	1:433:A:SER:H	18	0.84
(1,960)	1:432:A:ILE:HG23	1:433:A:SER:H	18	0.84
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB1	1	0.84
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB2	1	0.84
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB3	1	0.84
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB1	1	0.84
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB2	1	0.84
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB3	1	0.84
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB1	7	0.84
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB2	7	0.84
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB3	7	0.84
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB1	7	0.84
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB2	7	0.84
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB3	7	0.84
(1,921)	1:455:A:ASN:HB3	1:455:A:ASN:HD22	9	0.84
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD1	8	0.84
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD2	8	0.84
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD1	8	0.84
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD2	8	0.84
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	17	0.84
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	17	0.84
(1,883)	1:453:A:TYR:HB3	1:454:A:ASP:H	7	0.84
(1,883)	1:453:A:TYR:HB3	1:454:A:ASP:H	18	0.84
(1,829)	1:450:A:PHE:H	1:450:A:PHE:HB2	9	0.84
(1,724)	1:407:A:LEU:HB3	1:408:A:PHE:H	12	0.84
(1,724)	1:407:A:LEU:HB3	1:408:A:PHE:H	14	0.84
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG21	10	0.84
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG22	10	0.84
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG23	10	0.84
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG21	16	0.84
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG22	16	0.84
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG23	16	0.84
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	20	0.84
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	20	0.84
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	20	0.84
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	16	0.84
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	16	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	16	0.84
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	16	0.84
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	16	0.84
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	16	0.84
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	16	0.84
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	16	0.84
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	16	0.84
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	16	0.84
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	16	0.84
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	16	0.84
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	16	0.84
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	16	0.84
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	16	0.84
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	16	0.84
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	16	0.84
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	16	0.84
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG2	9	0.84
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG3	9	0.84
(1,657)	1:474:A:LYS:HA	1:474:A:LYS:HG3	8	0.84
(1,632)	1:476:A:LEU:H	1:476:A:LEU:HG	13	0.84
(1,629)	1:402:A:PRO:HD3	1:403:A:GLU:HB2	20	0.84
(1,615)	1:407:A:LEU:HG	1:462:A:ALA:H	13	0.84
(1,579)	1:400:A:GLU:HB3	1:401:A:GLY:H	16	0.84
(1,542)	1:453:A:TYR:HB3	1:454:A:ASP:H	7	0.84
(1,542)	1:453:A:TYR:HB3	1:454:A:ASP:H	18	0.84
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD11	1	0.84
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD12	1	0.84
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD13	1	0.84
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD21	1	0.84
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD22	1	0.84
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD23	1	0.84
(1,439)	1:421:A:ILE:H	1:421:A:ILE:HG13	3	0.84
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG21	16	0.84
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG22	16	0.84
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG23	16	0.84
(1,349)	1:407:A:LEU:HB3	1:408:A:PHE:H	12	0.84
(1,349)	1:407:A:LEU:HB3	1:408:A:PHE:H	14	0.84
(1,286)	1:435:A:LYS:H	1:450:A:PHE:H	1	0.84
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD11	2	0.84
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD12	2	0.84
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD13	2	0.84
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG12	16	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG13	16	0.84
(1,221)	1:407:A:LEU:HG	1:462:A:ALA:H	13	0.84
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG11	5	0.84
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG12	5	0.84
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG13	5	0.84
(1,133)	1:405:A:ALA:HB1	1:451:A:VAL:H	4	0.84
(1,133)	1:405:A:ALA:HB2	1:451:A:VAL:H	4	0.84
(1,133)	1:405:A:ALA:HB3	1:451:A:VAL:H	4	0.84
(1,48)	1:438:A:ILE:HB	1:439:A:ASP:H	12	0.84
(1,29)	1:439:A:ASP:HB3	1:440:A:LYS:H	18	0.84
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB1	2	0.83
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB2	2	0.83
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB3	2	0.83
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB1	2	0.83
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB2	2	0.83
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB3	2	0.83
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG21	3	0.83
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG22	3	0.83
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG23	3	0.83
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD2	4	0.83
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD3	4	0.83
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD2	19	0.83
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD3	19	0.83
(1,1506)	1:426:A:MET:HE1	1:430:A:ASN:HA	19	0.83
(1,1506)	1:426:A:MET:HE2	1:430:A:ASN:HA	19	0.83
(1,1506)	1:426:A:MET:HE3	1:430:A:ASN:HA	19	0.83
(1,1497)	1:418:A:ASP:HA	1:435:A:LYS:HA	19	0.83
(1,1459)	1:414:A:GLN:HA	1:414:A:GLN:HG3	20	0.83
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD11	12	0.83
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD12	12	0.83
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD13	12	0.83
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD11	13	0.83
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD12	13	0.83
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD13	13	0.83
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD11	2	0.83
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD12	2	0.83
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD13	2	0.83
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	5	0.83
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	5	0.83
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	5	0.83
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	5	0.83
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	5	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	5	0.83
(1,1253)	1:444:A:LEU:HA	1:444:A:LEU:HG	4	0.83
(1,1191)	1:481:A:LYS:HB3	1:481:A:LYS:HD2	12	0.83
(1,1181)	1:479:A:GLN:HA	1:480:A:LEU:HG	17	0.83
(1,1160)	1:459:A:ALA:HA	1:462:A:ALA:H	10	0.83
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD11	12	0.83
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD12	12	0.83
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD13	12	0.83
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG21	12	0.83
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG22	12	0.83
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG23	12	0.83
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG21	12	0.83
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG22	12	0.83
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG23	12	0.83
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG21	12	0.83
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG22	12	0.83
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG23	12	0.83
(1,1018)	1:443:A:ASN:HB3	1:443:A:ASN:HD22	14	0.83
(1,1017)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	11	0.83
(1,1017)	1:443:A:ASN:HB2	1:443:A:ASN:HD22	20	0.83
(1,1011)	1:425:A:PHE:HB3	1:426:A:MET:H	5	0.83
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD11	13	0.83
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD12	13	0.83
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD13	13	0.83
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG21	7	0.83
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG22	7	0.83
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG23	7	0.83
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG21	3	0.83
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG22	3	0.83
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG23	3	0.83
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG21	7	0.83
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG22	7	0.83
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG23	7	0.83
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB1	15	0.83
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB2	15	0.83
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB3	15	0.83
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB1	15	0.83
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB2	15	0.83
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB3	15	0.83
(1,921)	1:455:A:ASN:HB3	1:455:A:ASN:HD22	6	0.83
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB1	8	0.83
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB2	8	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB3	8	0.83
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB1	8	0.83
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB2	8	0.83
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB3	8	0.83
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB1	8	0.83
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB2	8	0.83
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB3	8	0.83
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB1	9	0.83
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB2	9	0.83
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB3	9	0.83
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB1	9	0.83
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB2	9	0.83
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB3	9	0.83
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB1	9	0.83
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB2	9	0.83
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB3	9	0.83
(1,860)	1:409:A:ILE:HG21	1:450:A:PHE:H	14	0.83
(1,860)	1:409:A:ILE:HG22	1:450:A:PHE:H	14	0.83
(1,860)	1:409:A:ILE:HG23	1:450:A:PHE:H	14	0.83
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	10	0.83
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	10	0.83
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	10	0.83
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	10	0.83
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	10	0.83
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	10	0.83
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	10	0.83
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	10	0.83
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	10	0.83
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	13	0.83
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	13	0.83
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	13	0.83
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	13	0.83
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	13	0.83
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	13	0.83
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	13	0.83
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	13	0.83
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	13	0.83
(1,838)	1:451:A:VAL:HG11	1:452:A:SER:H	10	0.83
(1,838)	1:451:A:VAL:HG12	1:452:A:SER:H	10	0.83
(1,838)	1:451:A:VAL:HG13	1:452:A:SER:H	10	0.83
(1,829)	1:450:A:PHE:H	1:450:A:PHE:HB2	2	0.83
(1,829)	1:450:A:PHE:H	1:450:A:PHE:HB2	10	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	10	0.83
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	10	0.83
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	10	0.83
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	10	0.83
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	10	0.83
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	10	0.83
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	10	0.83
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	10	0.83
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	10	0.83
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	13	0.83
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	13	0.83
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	13	0.83
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	13	0.83
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	13	0.83
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	13	0.83
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	13	0.83
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	13	0.83
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	13	0.83
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB1	11	0.83
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB2	11	0.83
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB3	11	0.83
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB1	11	0.83
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB2	11	0.83
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB3	11	0.83
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB1	11	0.83
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB2	11	0.83
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB3	11	0.83
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG21	3	0.83
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG22	3	0.83
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG23	3	0.83
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG21	17	0.83
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG22	17	0.83
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG23	17	0.83
(1,738)	1:431:A:VAL:HG11	1:432:A:ILE:H	2	0.83
(1,738)	1:431:A:VAL:HG12	1:432:A:ILE:H	2	0.83
(1,738)	1:431:A:VAL:HG13	1:432:A:ILE:H	2	0.83
(1,735)	1:431:A:VAL:HG11	1:451:A:VAL:HB	17	0.83
(1,735)	1:431:A:VAL:HG12	1:451:A:VAL:HB	17	0.83
(1,735)	1:431:A:VAL:HG13	1:451:A:VAL:HB	17	0.83
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	2	0.83
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	2	0.83
(1,724)	1:407:A:LEU:HB3	1:408:A:PHE:H	7	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	9	0.83
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	9	0.83
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	9	0.83
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	11	0.83
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	11	0.83
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	11	0.83
(1,700)	1:476:A:LEU:HD11	1:477:A:LYS:H	2	0.83
(1,700)	1:476:A:LEU:HD12	1:477:A:LYS:H	2	0.83
(1,700)	1:476:A:LEU:HD13	1:477:A:LYS:H	2	0.83
(1,700)	1:476:A:LEU:HD21	1:477:A:LYS:H	2	0.83
(1,700)	1:476:A:LEU:HD22	1:477:A:LYS:H	2	0.83
(1,700)	1:476:A:LEU:HD23	1:477:A:LYS:H	2	0.83
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD11	19	0.83
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD12	19	0.83
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD13	19	0.83
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD21	19	0.83
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD22	19	0.83
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD23	19	0.83
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG2	15	0.83
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG3	15	0.83
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG2	17	0.83
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG3	17	0.83
(1,679)	1:477:A:LYS:HG2	1:478:A:VAL:H	1	0.83
(1,679)	1:477:A:LYS:HG3	1:478:A:VAL:H	1	0.83
(1,679)	1:477:A:LYS:HG2	1:478:A:VAL:H	18	0.83
(1,679)	1:477:A:LYS:HG3	1:478:A:VAL:H	18	0.83
(1,649)	1:407:A:LEU:HD11	1:479:A:GLN:HA	10	0.83
(1,649)	1:407:A:LEU:HD12	1:479:A:GLN:HA	10	0.83
(1,649)	1:407:A:LEU:HD13	1:479:A:GLN:HA	10	0.83
(1,649)	1:407:A:LEU:HD21	1:479:A:GLN:HA	10	0.83
(1,649)	1:407:A:LEU:HD22	1:479:A:GLN:HA	10	0.83
(1,649)	1:407:A:LEU:HD23	1:479:A:GLN:HA	10	0.83
(1,645)	1:407:A:LEU:HD11	1:451:A:VAL:H	14	0.83
(1,645)	1:407:A:LEU:HD12	1:451:A:VAL:H	14	0.83
(1,645)	1:407:A:LEU:HD13	1:451:A:VAL:H	14	0.83
(1,645)	1:407:A:LEU:HD21	1:451:A:VAL:H	14	0.83
(1,645)	1:407:A:LEU:HD22	1:451:A:VAL:H	14	0.83
(1,645)	1:407:A:LEU:HD23	1:451:A:VAL:H	14	0.83
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	1	0.83
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	1	0.83
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	1	0.83
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	1	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	1	0.83
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	1	0.83
(1,600)	1:428:A:PHE:HB2	1:429:A:GLY:H	10	0.83
(1,579)	1:400:A:GLU:HB3	1:401:A:GLY:H	3	0.83
(1,478)	1:444:A:LEU:HB2	1:445:A:SER:H	11	0.83
(1,446)	1:418:A:ASP:HB3	1:419:A:GLN:H	6	0.83
(1,446)	1:418:A:ASP:HB3	1:419:A:GLN:H	15	0.83
(1,363)	1:407:A:LEU:HD11	1:463:A:ILE:H	16	0.83
(1,363)	1:407:A:LEU:HD12	1:463:A:ILE:H	16	0.83
(1,363)	1:407:A:LEU:HD13	1:463:A:ILE:H	16	0.83
(1,363)	1:407:A:LEU:HD21	1:463:A:ILE:H	16	0.83
(1,363)	1:407:A:LEU:HD22	1:463:A:ILE:H	16	0.83
(1,363)	1:407:A:LEU:HD23	1:463:A:ILE:H	16	0.83
(1,349)	1:407:A:LEU:HB3	1:408:A:PHE:H	7	0.83
(1,324)	1:451:A:VAL:HG11	1:452:A:SER:H	10	0.83
(1,324)	1:451:A:VAL:HG12	1:452:A:SER:H	10	0.83
(1,324)	1:451:A:VAL:HG13	1:452:A:SER:H	10	0.83
(1,283)	1:407:A:LEU:HG	1:459:A:ALA:H	15	0.83
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD11	3	0.83
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD12	3	0.83
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD13	3	0.83
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG12	8	0.83
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG13	8	0.83
(1,214)	1:459:A:ALA:HA	1:462:A:ALA:H	10	0.83
(1,113)	1:476:A:LEU:HD11	1:477:A:LYS:H	2	0.83
(1,113)	1:476:A:LEU:HD12	1:477:A:LYS:H	2	0.83
(1,113)	1:476:A:LEU:HD13	1:477:A:LYS:H	2	0.83
(1,113)	1:476:A:LEU:HD21	1:477:A:LYS:H	2	0.83
(1,113)	1:476:A:LEU:HD22	1:477:A:LYS:H	2	0.83
(1,113)	1:476:A:LEU:HD23	1:477:A:LYS:H	2	0.83
(1,101)	1:450:A:PHE:HB3	1:451:A:VAL:H	10	0.83
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD1	19	0.83
(1,65)	1:437:A:PHE:H	1:437:A:PHE:HD2	19	0.83
(1,29)	1:439:A:ASP:HB3	1:440:A:LYS:H	6	0.83
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG21	3	0.83
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG22	3	0.83
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG23	3	0.83
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG21	7	0.83
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG22	7	0.83
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG23	7	0.83
(1,1)	1:469:A:PHE:HD1	1:470:A:GLN:H	12	0.83
(1,1)	1:469:A:PHE:HD2	1:470:A:GLN:H	12	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1583)	1:416:A:PHE:HD1	1:417:A:GLY:H	3	0.82
(1,1583)	1:416:A:PHE:HD2	1:417:A:GLY:H	3	0.82
(1,1583)	1:416:A:PHE:HD1	1:417:A:GLY:H	6	0.82
(1,1583)	1:416:A:PHE:HD2	1:417:A:GLY:H	6	0.82
(1,1583)	1:416:A:PHE:HD1	1:417:A:GLY:H	8	0.82
(1,1583)	1:416:A:PHE:HD2	1:417:A:GLY:H	8	0.82
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB1	5	0.82
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB2	5	0.82
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB3	5	0.82
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB1	5	0.82
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB2	5	0.82
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB3	5	0.82
(1,1520)	1:434:A:ALA:HA	1:451:A:VAL:HA	14	0.82
(1,1485)	1:398:A:GLN:HA	1:398:A:GLN:HG3	5	0.82
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD1	9	0.82
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD2	9	0.82
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	3	0.82
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	3	0.82
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	3	0.82
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	3	0.82
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	3	0.82
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	3	0.82
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD11	6	0.82
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD12	6	0.82
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD13	6	0.82
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD11	11	0.82
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD12	11	0.82
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD13	11	0.82
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	15	0.82
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	15	0.82
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	15	0.82
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	15	0.82
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	15	0.82
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	15	0.82
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	15	0.82
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	15	0.82
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	15	0.82
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD11	9	0.82
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD12	9	0.82
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD13	9	0.82
(1,1348)	1:475:A:ARG:HA	1:475:A:ARG:HD2	7	0.82
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	15	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	15	0.82
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	15	0.82
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	15	0.82
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	15	0.82
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	15	0.82
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	15	0.82
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	15	0.82
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	15	0.82
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG21	12	0.82
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG22	12	0.82
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG23	12	0.82
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG21	12	0.82
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG22	12	0.82
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG23	12	0.82
(1,1253)	1:444:A:LEU:HA	1:444:A:LEU:HG	13	0.82
(1,1191)	1:481:A:LYS:HB3	1:481:A:LYS:HD2	1	0.82
(1,1181)	1:479:A:GLN:HA	1:480:A:LEU:HG	1	0.82
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB2	14	0.82
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB3	14	0.82
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB2	14	0.82
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB3	14	0.82
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG2	3	0.82
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG3	3	0.82
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG2	14	0.82
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG3	14	0.82
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD11	2	0.82
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD12	2	0.82
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD13	2	0.82
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD11	2	0.82
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD12	2	0.82
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD13	2	0.82
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD11	2	0.82
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD12	2	0.82
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD13	2	0.82
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD11	2	0.82
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD12	2	0.82
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD13	2	0.82
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD11	2	0.82
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD12	2	0.82
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD13	2	0.82
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD11	2	0.82
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD12	2	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD13	2	0.82
(1,1011)	1:425:A:PHE:HB3	1:426:A:MET:H	1	0.82
(1,1011)	1:425:A:PHE:HB3	1:426:A:MET:H	18	0.82
(1,997)	1:485:A:ASN:HB2	1:486:A:ASP:H	12	0.82
(1,985)	1:416:A:PHE:HB3	1:417:A:GLY:H	19	0.82
(1,965)	1:438:A:ILE:HB	1:439:A:ASP:H	1	0.82
(1,954)	1:463:A:ILE:HG21	1:464:A:GLN:H	17	0.82
(1,954)	1:463:A:ILE:HG22	1:464:A:GLN:H	17	0.82
(1,954)	1:463:A:ILE:HG23	1:464:A:GLN:H	17	0.82
(1,941)	1:409:A:ILE:HB	1:410:A:TYR:H	2	0.82
(1,941)	1:409:A:ILE:HB	1:410:A:TYR:H	9	0.82
(1,939)	1:486:A:ASP:H	1:486:A:ASP:HB3	9	0.82
(1,921)	1:455:A:ASN:HB3	1:455:A:ASN:HD22	10	0.82
(1,921)	1:455:A:ASN:HB3	1:455:A:ASN:HD22	20	0.82
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB1	1	0.82
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB2	1	0.82
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB3	1	0.82
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB1	1	0.82
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB2	1	0.82
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB3	1	0.82
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB1	1	0.82
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB2	1	0.82
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB3	1	0.82
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD2	10	0.82
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD3	10	0.82
(1,829)	1:450:A:PHE:H	1:450:A:PHE:HB2	6	0.82
(1,829)	1:450:A:PHE:H	1:450:A:PHE:HB2	17	0.82
(1,803)	1:465:A:ALA:HB1	1:466:A:MET:HA	9	0.82
(1,803)	1:465:A:ALA:HB2	1:466:A:MET:HA	9	0.82
(1,803)	1:465:A:ALA:HB3	1:466:A:MET:HA	9	0.82
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG21	15	0.82
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG22	15	0.82
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG23	15	0.82
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG21	12	0.82
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG22	12	0.82
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG23	12	0.82
(1,738)	1:431:A:VAL:HG11	1:432:A:ILE:H	20	0.82
(1,738)	1:431:A:VAL:HG12	1:432:A:ILE:H	20	0.82
(1,738)	1:431:A:VAL:HG13	1:432:A:ILE:H	20	0.82
(1,724)	1:407:A:LEU:HB3	1:408:A:PHE:H	3	0.82
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG2	17	0.82
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG3	17	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	9	0.82
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	9	0.82
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	9	0.82
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	9	0.82
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	9	0.82
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	9	0.82
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	9	0.82
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	9	0.82
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	9	0.82
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	9	0.82
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	9	0.82
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	9	0.82
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	9	0.82
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	9	0.82
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	9	0.82
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	9	0.82
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	9	0.82
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	9	0.82
(1,614)	1:407:A:LEU:H	1:407:A:LEU:HG	3	0.82
(1,614)	1:407:A:LEU:H	1:407:A:LEU:HG	6	0.82
(1,579)	1:400:A:GLU:HB3	1:401:A:GLY:H	18	0.82
(1,563)	1:410:A:TYR:HB3	1:411:A:HIS:H	4	0.82
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG11	1	0.82
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG12	1	0.82
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG13	1	0.82
(1,545)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	6	0.82
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG2	14	0.82
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG3	14	0.82
(1,392)	1:430:A:ASN:H	1:454:A:ASP:H	7	0.82
(1,379)	1:442:A:THR:HB	1:444:A:LEU:H	6	0.82
(1,349)	1:407:A:LEU:HB3	1:408:A:PHE:H	3	0.82
(1,302)	1:403:A:GLU:HG2	1:405:A:ALA:H	5	0.82
(1,261)	1:486:A:ASP:H	1:486:A:ASP:HB3	9	0.82
(1,258)	1:435:A:LYS:H	1:436:A:VAL:H	6	0.82
(1,168)	1:463:A:ILE:HD11	1:480:A:LEU:H	8	0.82
(1,168)	1:463:A:ILE:HD12	1:480:A:LEU:H	8	0.82
(1,168)	1:463:A:ILE:HD13	1:480:A:LEU:H	8	0.82
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG21	15	0.82
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG22	15	0.82
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG23	15	0.82
(1,71)	1:414:A:GLN:H	1:414:A:GLN:HG3	9	0.82
(1,57)	1:470:A:GLN:HG2	1:471:A:ILE:H	20	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,57)	1:470:A:GLN:HG3	1:471:A:ILE:H	20	0.82
(1,48)	1:438:A:ILE:HB	1:439:A:ASP:H	1	0.82
(1,42)	1:439:A:ASP:H	1:444:A:LEU:HG	4	0.82
(1,35)	1:467:A:ASN:HB2	1:478:A:VAL:H	16	0.82
(1,1583)	1:416:A:PHE:HD1	1:417:A:GLY:H	5	0.81
(1,1583)	1:416:A:PHE:HD2	1:417:A:GLY:H	5	0.81
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD1	19	0.81
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD2	19	0.81
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD1	19	0.81
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD2	19	0.81
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD1	19	0.81
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD2	19	0.81
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD1	19	0.81
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD2	19	0.81
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD1	19	0.81
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD2	19	0.81
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD1	19	0.81
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD2	19	0.81
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD1	2	0.81
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD2	2	0.81
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD1	2	0.81
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD2	2	0.81
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD1	6	0.81
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD2	6	0.81
(1,1464)	1:431:A:VAL:HA	1:453:A:TYR:HA	19	0.81
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG11	5	0.81
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG12	5	0.81
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG13	5	0.81
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD11	14	0.81
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD12	14	0.81
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD13	14	0.81
(1,1394)	1:463:A:ILE:HG21	1:464:A:GLN:HA	8	0.81
(1,1394)	1:463:A:ILE:HG22	1:464:A:GLN:HA	8	0.81
(1,1394)	1:463:A:ILE:HG23	1:464:A:GLN:HA	8	0.81
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB1	14	0.81
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB2	14	0.81
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB3	14	0.81
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB1	14	0.81
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB2	14	0.81
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB3	14	0.81
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB1	14	0.81
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB2	14	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB3	14	0.81
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	7	0.81
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	7	0.81
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	7	0.81
(1,1159)	1:459:A:ALA:HA	1:461:A:ALA:HA	10	0.81
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG2	7	0.81
(1,1130)	1:460:A:GLN:H	1:460:A:GLN:HG3	7	0.81
(1,1127)	1:467:A:ASN:HA	1:469:A:PHE:H	3	0.81
(1,1127)	1:467:A:ASN:HA	1:469:A:PHE:H	8	0.81
(1,1031)	1:430:A:ASN:HB2	1:431:A:VAL:H	4	0.81
(1,1031)	1:430:A:ASN:HB3	1:431:A:VAL:H	4	0.81
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG21	4	0.81
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG22	4	0.81
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG23	4	0.81
(1,883)	1:453:A:TYR:HB3	1:454:A:ASP:H	20	0.81
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	13	0.81
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	13	0.81
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	13	0.81
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	13	0.81
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	13	0.81
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	13	0.81
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	13	0.81
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	13	0.81
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	13	0.81
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB2	9	0.81
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB3	9	0.81
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB2	9	0.81
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB3	9	0.81
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB2	9	0.81
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB3	9	0.81
(1,803)	1:465:A:ALA:HB1	1:466:A:MET:HA	6	0.81
(1,803)	1:465:A:ALA:HB2	1:466:A:MET:HA	6	0.81
(1,803)	1:465:A:ALA:HB3	1:466:A:MET:HA	6	0.81
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB1	10	0.81
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB2	10	0.81
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB3	10	0.81
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB1	10	0.81
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB2	10	0.81
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB3	10	0.81
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB1	10	0.81
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB2	10	0.81
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB3	10	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB1	13	0.81
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB2	13	0.81
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB3	13	0.81
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB1	13	0.81
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB2	13	0.81
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB3	13	0.81
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB1	13	0.81
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB2	13	0.81
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB3	13	0.81
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB1	20	0.81
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB2	20	0.81
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB3	20	0.81
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB1	20	0.81
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB2	20	0.81
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB3	20	0.81
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB1	20	0.81
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB2	20	0.81
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB3	20	0.81
(1,738)	1:431:A:VAL:HG11	1:432:A:ILE:H	14	0.81
(1,738)	1:431:A:VAL:HG12	1:432:A:ILE:H	14	0.81
(1,738)	1:431:A:VAL:HG13	1:432:A:ILE:H	14	0.81
(1,724)	1:407:A:LEU:HB3	1:408:A:PHE:H	11	0.81
(1,700)	1:476:A:LEU:HD11	1:477:A:LYS:H	15	0.81
(1,700)	1:476:A:LEU:HD12	1:477:A:LYS:H	15	0.81
(1,700)	1:476:A:LEU:HD13	1:477:A:LYS:H	15	0.81
(1,700)	1:476:A:LEU:HD21	1:477:A:LYS:H	15	0.81
(1,700)	1:476:A:LEU:HD22	1:477:A:LYS:H	15	0.81
(1,700)	1:476:A:LEU:HD23	1:477:A:LYS:H	15	0.81
(1,645)	1:407:A:LEU:HD11	1:451:A:VAL:H	7	0.81
(1,645)	1:407:A:LEU:HD12	1:451:A:VAL:H	7	0.81
(1,645)	1:407:A:LEU:HD13	1:451:A:VAL:H	7	0.81
(1,645)	1:407:A:LEU:HD21	1:451:A:VAL:H	7	0.81
(1,645)	1:407:A:LEU:HD22	1:451:A:VAL:H	7	0.81
(1,645)	1:407:A:LEU:HD23	1:451:A:VAL:H	7	0.81
(1,638)	1:413:A:PRO:HD2	1:476:A:LEU:HG	16	0.81
(1,638)	1:413:A:PRO:HD3	1:476:A:LEU:HG	16	0.81
(1,638)	1:413:A:PRO:HD2	1:476:A:LEU:HG	20	0.81
(1,638)	1:413:A:PRO:HD3	1:476:A:LEU:HG	20	0.81
(1,600)	1:428:A:PHE:HB2	1:429:A:GLY:H	8	0.81
(1,583)	1:426:A:MET:HA	1:428:A:PHE:H	6	0.81
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG21	16	0.81
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG22	16	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG23	16	0.81
(1,546)	1:404:A:GLY:H	1:406:A:ASN:HD22	7	0.81
(1,545)	1:485:A:ASN:HB3	1:485:A:ASN:HD22	8	0.81
(1,542)	1:453:A:TYR:HB3	1:454:A:ASP:H	20	0.81
(1,520)	1:433:A:SER:H	1:453:A:TYR:HA	12	0.81
(1,481)	1:406:A:ASN:H	1:407:A:LEU:H	2	0.81
(1,349)	1:407:A:LEU:HB3	1:408:A:PHE:H	11	0.81
(1,294)	1:409:A:ILE:HD11	1:450:A:PHE:H	20	0.81
(1,294)	1:409:A:ILE:HD12	1:450:A:PHE:H	20	0.81
(1,294)	1:409:A:ILE:HD13	1:450:A:PHE:H	20	0.81
(1,248)	1:405:A:ALA:HB1	1:453:A:TYR:H	9	0.81
(1,248)	1:405:A:ALA:HB2	1:453:A:TYR:H	9	0.81
(1,248)	1:405:A:ALA:HB3	1:453:A:TYR:H	9	0.81
(1,247)	1:452:A:SER:HB3	1:453:A:TYR:H	9	0.81
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD2	18	0.81
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD3	18	0.81
(1,152)	1:406:A:ASN:H	1:407:A:LEU:H	2	0.81
(1,139)	1:409:A:ILE:H	1:410:A:TYR:H	5	0.81
(1,128)	1:467:A:ASN:HA	1:469:A:PHE:H	3	0.81
(1,128)	1:467:A:ASN:HA	1:469:A:PHE:H	8	0.81
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD1	4	0.81
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD2	4	0.81
(1,113)	1:476:A:LEU:HD11	1:477:A:LYS:H	15	0.81
(1,113)	1:476:A:LEU:HD12	1:477:A:LYS:H	15	0.81
(1,113)	1:476:A:LEU:HD13	1:477:A:LYS:H	15	0.81
(1,113)	1:476:A:LEU:HD21	1:477:A:LYS:H	15	0.81
(1,113)	1:476:A:LEU:HD22	1:477:A:LYS:H	15	0.81
(1,113)	1:476:A:LEU:HD23	1:477:A:LYS:H	15	0.81
(1,57)	1:470:A:GLN:HG2	1:471:A:ILE:H	11	0.81
(1,57)	1:470:A:GLN:HG3	1:471:A:ILE:H	11	0.81
(1,57)	1:470:A:GLN:HG2	1:471:A:ILE:H	13	0.81
(1,57)	1:470:A:GLN:HG3	1:471:A:ILE:H	13	0.81
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG21	4	0.81
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG22	4	0.81
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG23	4	0.81
(1,1583)	1:416:A:PHE:HD1	1:417:A:GLY:H	4	0.8
(1,1583)	1:416:A:PHE:HD2	1:417:A:GLY:H	4	0.8
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD1	12	0.8
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD2	12	0.8
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD1	12	0.8
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD2	12	0.8
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD1	14	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD2	14	0.8
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD1	14	0.8
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD2	14	0.8
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD1	2	0.8
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD2	2	0.8
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD1	2	0.8
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD2	2	0.8
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD11	16	0.8
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD12	16	0.8
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD13	16	0.8
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD11	18	0.8
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD12	18	0.8
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD13	18	0.8
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD11	8	0.8
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD12	8	0.8
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD13	8	0.8
(1,1348)	1:475:A:ARG:HA	1:475:A:ARG:HD2	9	0.8
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	19	0.8
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	19	0.8
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	19	0.8
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG21	4	0.8
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG22	4	0.8
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG23	4	0.8
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG21	4	0.8
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG22	4	0.8
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG23	4	0.8
(1,1247)	1:412:A:LEU:HG	1:421:A:ILE:HG13	11	0.8
(1,1179)	1:463:A:ILE:HD11	1:479:A:GLN:HA	8	0.8
(1,1179)	1:463:A:ILE:HD12	1:479:A:GLN:HA	8	0.8
(1,1179)	1:463:A:ILE:HD13	1:479:A:GLN:HA	8	0.8
(1,1162)	1:453:A:TYR:HD1	1:459:A:ALA:HA	20	0.8
(1,1162)	1:453:A:TYR:HD2	1:459:A:ALA:HA	20	0.8
(1,997)	1:485:A:ASN:HB2	1:486:A:ASP:H	4	0.8
(1,960)	1:432:A:ILE:HG21	1:433:A:SER:H	11	0.8
(1,960)	1:432:A:ILE:HG22	1:433:A:SER:H	11	0.8
(1,960)	1:432:A:ILE:HG23	1:433:A:SER:H	11	0.8
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG11	16	0.8
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG12	16	0.8
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG13	16	0.8
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG11	16	0.8
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG12	16	0.8
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG13	16	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG11	16	0.8
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG12	16	0.8
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG13	16	0.8
(1,883)	1:453:A:TYR:HB3	1:454:A:ASP:H	15	0.8
(1,829)	1:450:A:PHE:H	1:450:A:PHE:HB2	7	0.8
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB1	15	0.8
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB2	15	0.8
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB3	15	0.8
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG21	9	0.8
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG22	9	0.8
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG23	9	0.8
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG21	10	0.8
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG22	10	0.8
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG23	10	0.8
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG2	7	0.8
(1,683)	1:399:A:LYS:H	1:399:A:LYS:HG3	7	0.8
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG2	11	0.8
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG3	11	0.8
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG2	12	0.8
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG3	12	0.8
(1,645)	1:407:A:LEU:HD11	1:451:A:VAL:H	16	0.8
(1,645)	1:407:A:LEU:HD12	1:451:A:VAL:H	16	0.8
(1,645)	1:407:A:LEU:HD13	1:451:A:VAL:H	16	0.8
(1,645)	1:407:A:LEU:HD21	1:451:A:VAL:H	16	0.8
(1,645)	1:407:A:LEU:HD22	1:451:A:VAL:H	16	0.8
(1,645)	1:407:A:LEU:HD23	1:451:A:VAL:H	16	0.8
(1,588)	1:409:A:ILE:H	1:449:A:GLY:H	4	0.8
(1,576)	1:398:A:GLN:HG2	1:398:A:GLN:HE22	17	0.8
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG11	2	0.8
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG12	2	0.8
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG13	2	0.8
(1,542)	1:453:A:TYR:HB3	1:454:A:ASP:H	15	0.8
(1,534)	1:453:A:TYR:HD1	1:454:A:ASP:H	18	0.8
(1,534)	1:453:A:TYR:HD2	1:454:A:ASP:H	18	0.8
(1,463)	1:420:A:ASP:HA	1:423:A:GLN:H	15	0.8
(1,373)	1:457:A:VAL:HB	1:458:A:SER:H	11	0.8
(1,369)	1:482:A:ARG:HB3	1:483:A:SER:H	14	0.8
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG21	10	0.8
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG22	10	0.8
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG23	10	0.8
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD11	17	0.8
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD12	17	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD13	17	0.8
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG21	9	0.8
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG22	9	0.8
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG23	9	0.8
(1,84)	1:406:A:ASN:H	1:481:A:LYS:H	15	0.8
(1,43)	1:438:A:ILE:H	1:439:A:ASP:H	16	0.8
(1,43)	1:438:A:ILE:H	1:439:A:ASP:H	20	0.8
(1,1583)	1:416:A:PHE:HD1	1:417:A:GLY:H	10	0.79
(1,1583)	1:416:A:PHE:HD2	1:417:A:GLY:H	10	0.79
(1,1520)	1:434:A:ALA:HA	1:451:A:VAL:HA	8	0.79
(1,1473)	1:398:A:GLN:HA	1:398:A:GLN:HG2	17	0.79
(1,1464)	1:431:A:VAL:HA	1:453:A:TYR:HA	4	0.79
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD11	4	0.79
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD12	4	0.79
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD13	4	0.79
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD11	10	0.79
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD12	10	0.79
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD13	10	0.79
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB1	11	0.79
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB2	11	0.79
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB3	11	0.79
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB1	11	0.79
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB2	11	0.79
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB3	11	0.79
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	1	0.79
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	1	0.79
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	1	0.79
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG21	16	0.79
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG22	16	0.79
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG23	16	0.79
(1,1230)	1:402:A:PRO:HG2	1:455:A:ASN:HA	6	0.79
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB2	20	0.79
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB3	20	0.79
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB2	20	0.79
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB3	20	0.79
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB2	5	0.79
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB3	5	0.79
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB2	5	0.79
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB3	5	0.79
(1,1098)	1:440:A:LYS:HA	1:442:A:THR:H	1	0.79
(1,1073)	1:432:A:ILE:HD11	1:454:A:ASP:H	17	0.79
(1,1073)	1:432:A:ILE:HD12	1:454:A:ASP:H	17	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1073)	1:432:A:ILE:HD13	1:454:A:ASP:H	17	0.79
(1,1005)	1:425:A:PHE:HB2	1:426:A:MET:H	5	0.79
(1,997)	1:485:A:ASN:HB2	1:486:A:ASP:H	7	0.79
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD11	4	0.79
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD12	4	0.79
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD13	4	0.79
(1,965)	1:438:A:ILE:HB	1:439:A:ASP:H	5	0.79
(1,960)	1:432:A:ILE:HG21	1:433:A:SER:H	6	0.79
(1,960)	1:432:A:ILE:HG22	1:433:A:SER:H	6	0.79
(1,960)	1:432:A:ILE:HG23	1:433:A:SER:H	6	0.79
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG21	14	0.79
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG22	14	0.79
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG23	14	0.79
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB1	15	0.79
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB2	15	0.79
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB3	15	0.79
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB1	15	0.79
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB2	15	0.79
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB3	15	0.79
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB1	15	0.79
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB2	15	0.79
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB3	15	0.79
(1,883)	1:453:A:TYR:HB3	1:454:A:ASP:H	14	0.79
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	18	0.79
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	18	0.79
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	18	0.79
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	18	0.79
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	18	0.79
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	18	0.79
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	18	0.79
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	18	0.79
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	18	0.79
(1,829)	1:450:A:PHE:H	1:450:A:PHE:HB2	1	0.79
(1,829)	1:450:A:PHE:H	1:450:A:PHE:HB2	8	0.79
(1,803)	1:465:A:ALA:HB1	1:466:A:MET:HA	12	0.79
(1,803)	1:465:A:ALA:HB2	1:466:A:MET:HA	12	0.79
(1,803)	1:465:A:ALA:HB3	1:466:A:MET:HA	12	0.79
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG21	19	0.79
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG22	19	0.79
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG23	19	0.79
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG21	8	0.79
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG22	8	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG23	8	0.79
(1,724)	1:407:A:LEU:HB3	1:408:A:PHE:H	6	0.79
(1,645)	1:407:A:LEU:HD11	1:451:A:VAL:H	20	0.79
(1,645)	1:407:A:LEU:HD12	1:451:A:VAL:H	20	0.79
(1,645)	1:407:A:LEU:HD13	1:451:A:VAL:H	20	0.79
(1,645)	1:407:A:LEU:HD21	1:451:A:VAL:H	20	0.79
(1,645)	1:407:A:LEU:HD22	1:451:A:VAL:H	20	0.79
(1,645)	1:407:A:LEU:HD23	1:451:A:VAL:H	20	0.79
(1,638)	1:413:A:PRO:HD2	1:476:A:LEU:HG	5	0.79
(1,638)	1:413:A:PRO:HD3	1:476:A:LEU:HG	5	0.79
(1,638)	1:413:A:PRO:HD2	1:476:A:LEU:HG	10	0.79
(1,638)	1:413:A:PRO:HD3	1:476:A:LEU:HG	10	0.79
(1,542)	1:453:A:TYR:HB3	1:454:A:ASP:H	14	0.79
(1,482)	1:405:A:ALA:H	1:406:A:ASN:H	12	0.79
(1,481)	1:406:A:ASN:H	1:407:A:LEU:H	14	0.79
(1,446)	1:418:A:ASP:HB3	1:419:A:GLN:H	12	0.79
(1,373)	1:457:A:VAL:HB	1:458:A:SER:H	16	0.79
(1,349)	1:407:A:LEU:HB3	1:408:A:PHE:H	6	0.79
(1,241)	1:399:A:LYS:HB2	1:400:A:GLU:H	11	0.79
(1,241)	1:399:A:LYS:HB3	1:400:A:GLU:H	11	0.79
(1,192)	1:418:A:ASP:HB2	1:436:A:VAL:H	5	0.79
(1,152)	1:406:A:ASN:H	1:407:A:LEU:H	14	0.79
(1,132)	1:434:A:ALA:HB1	1:451:A:VAL:H	19	0.79
(1,132)	1:434:A:ALA:HB2	1:451:A:VAL:H	19	0.79
(1,132)	1:434:A:ALA:HB3	1:451:A:VAL:H	19	0.79
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD1	1	0.79
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD2	1	0.79
(1,103)	1:407:A:LEU:HG	1:479:A:GLN:H	19	0.79
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG21	19	0.79
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG22	19	0.79
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG23	19	0.79
(1,57)	1:470:A:GLN:HG2	1:471:A:ILE:H	12	0.79
(1,57)	1:470:A:GLN:HG3	1:471:A:ILE:H	12	0.79
(1,48)	1:438:A:ILE:HB	1:439:A:ASP:H	5	0.79
(1,29)	1:439:A:ASP:HB3	1:440:A:LYS:H	4	0.79
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG21	14	0.79
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG22	14	0.79
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG23	14	0.79
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	19	0.78
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	19	0.78
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	19	0.78
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	19	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	19	0.78
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	19	0.78
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD1	5	0.78
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD2	5	0.78
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD1	5	0.78
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD2	5	0.78
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD1	5	0.78
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD2	5	0.78
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD1	5	0.78
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD2	5	0.78
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD1	5	0.78
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD2	5	0.78
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD1	5	0.78
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD2	5	0.78
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB1	17	0.78
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB2	17	0.78
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB3	17	0.78
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB1	17	0.78
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB2	17	0.78
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB3	17	0.78
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG21	7	0.78
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG22	7	0.78
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG23	7	0.78
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD11	5	0.78
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD12	5	0.78
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD13	5	0.78
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD11	17	0.78
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD12	17	0.78
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD13	17	0.78
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	7	0.78
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	7	0.78
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	7	0.78
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	7	0.78
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	7	0.78
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	7	0.78
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	7	0.78
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	7	0.78
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	7	0.78
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	12	0.78
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	12	0.78
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	12	0.78
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	12	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	12	0.78
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	12	0.78
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	12	0.78
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	12	0.78
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	12	0.78
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	12	0.78
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	12	0.78
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	12	0.78
(1,1233)	1:419:A:GLN:HB2	1:420:A:ASP:H	4	0.78
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD11	5	0.78
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD12	5	0.78
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD13	5	0.78
(1,1082)	1:422:A:LEU:HA	1:425:A:PHE:HB2	12	0.78
(1,998)	1:485:A:ASN:HB3	1:486:A:ASP:H	17	0.78
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG21	2	0.78
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG22	2	0.78
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG23	2	0.78
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG21	12	0.78
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG22	12	0.78
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG23	12	0.78
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG21	20	0.78
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG22	20	0.78
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG23	20	0.78
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	7	0.78
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	7	0.78
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	7	0.78
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	7	0.78
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	7	0.78
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	7	0.78
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	7	0.78
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	7	0.78
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	7	0.78
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	12	0.78
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	12	0.78
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	12	0.78
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	12	0.78
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	12	0.78
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	12	0.78
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	12	0.78
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	12	0.78
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	12	0.78
(1,838)	1:451:A:VAL:HG11	1:452:A:SER:H	12	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:451:A:VAL:HG12	1:452:A:SER:H	12	0.78
(1,838)	1:451:A:VAL:HG13	1:452:A:SER:H	12	0.78
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB1	9	0.78
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB2	9	0.78
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB3	9	0.78
(1,803)	1:465:A:ALA:HB1	1:466:A:MET:HA	1	0.78
(1,803)	1:465:A:ALA:HB2	1:466:A:MET:HA	1	0.78
(1,803)	1:465:A:ALA:HB3	1:466:A:MET:HA	1	0.78
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG21	13	0.78
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG22	13	0.78
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG23	13	0.78
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG21	14	0.78
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG22	14	0.78
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG23	14	0.78
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	4	0.78
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	4	0.78
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	4	0.78
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	20	0.78
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	20	0.78
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	20	0.78
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	19	0.78
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	19	0.78
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	19	0.78
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	19	0.78
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	19	0.78
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	19	0.78
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	19	0.78
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	19	0.78
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	19	0.78
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	19	0.78
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	19	0.78
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	19	0.78
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	19	0.78
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	19	0.78
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	19	0.78
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	19	0.78
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	19	0.78
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	19	0.78
(1,647)	1:407:A:LEU:HD11	1:408:A:PHE:H	8	0.78
(1,647)	1:407:A:LEU:HD12	1:408:A:PHE:H	8	0.78
(1,647)	1:407:A:LEU:HD13	1:408:A:PHE:H	8	0.78
(1,647)	1:407:A:LEU:HD21	1:408:A:PHE:H	8	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:407:A:LEU:HD22	1:408:A:PHE:H	8	0.78
(1,647)	1:407:A:LEU:HD23	1:408:A:PHE:H	8	0.78
(1,641)	1:466:A:MET:HB2	1:476:A:LEU:HG	4	0.78
(1,641)	1:466:A:MET:HB3	1:476:A:LEU:HG	4	0.78
(1,632)	1:476:A:LEU:H	1:476:A:LEU:HG	12	0.78
(1,600)	1:428:A:PHE:HB2	1:429:A:GLY:H	3	0.78
(1,579)	1:400:A:GLU:HB3	1:401:A:GLY:H	5	0.78
(1,563)	1:410:A:TYR:HB3	1:411:A:HIS:H	17	0.78
(1,467)	1:422:A:LEU:HD11	1:423:A:GLN:H	12	0.78
(1,467)	1:422:A:LEU:HD12	1:423:A:GLN:H	12	0.78
(1,467)	1:422:A:LEU:HD13	1:423:A:GLN:H	12	0.78
(1,467)	1:422:A:LEU:HD21	1:423:A:GLN:H	12	0.78
(1,467)	1:422:A:LEU:HD22	1:423:A:GLN:H	12	0.78
(1,467)	1:422:A:LEU:HD23	1:423:A:GLN:H	12	0.78
(1,352)	1:407:A:LEU:HD11	1:408:A:PHE:H	8	0.78
(1,352)	1:407:A:LEU:HD12	1:408:A:PHE:H	8	0.78
(1,352)	1:407:A:LEU:HD13	1:408:A:PHE:H	8	0.78
(1,352)	1:407:A:LEU:HD21	1:408:A:PHE:H	8	0.78
(1,352)	1:407:A:LEU:HD22	1:408:A:PHE:H	8	0.78
(1,352)	1:407:A:LEU:HD23	1:408:A:PHE:H	8	0.78
(1,324)	1:451:A:VAL:HG11	1:452:A:SER:H	12	0.78
(1,324)	1:451:A:VAL:HG12	1:452:A:SER:H	12	0.78
(1,324)	1:451:A:VAL:HG13	1:452:A:SER:H	12	0.78
(1,310)	1:475:A:ARG:H	1:475:A:ARG:HD2	19	0.78
(1,302)	1:403:A:GLU:HG2	1:405:A:ALA:H	13	0.78
(1,278)	1:453:A:TYR:HD1	1:459:A:ALA:H	6	0.78
(1,278)	1:453:A:TYR:HD2	1:459:A:ALA:H	6	0.78
(1,278)	1:453:A:TYR:HD1	1:459:A:ALA:H	16	0.78
(1,278)	1:453:A:TYR:HD2	1:459:A:ALA:H	16	0.78
(1,148)	1:407:A:LEU:H	1:408:A:PHE:H	1	0.78
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD1	12	0.78
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD2	12	0.78
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG21	13	0.78
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG22	13	0.78
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG23	13	0.78
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG21	14	0.78
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG22	14	0.78
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG23	14	0.78
(1,67)	1:436:A:VAL:HB	1:437:A:PHE:H	11	0.78
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG21	2	0.78
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG22	2	0.78
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG23	2	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG21	12	0.78
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG22	12	0.78
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG23	12	0.78
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG21	20	0.78
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG22	20	0.78
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG23	20	0.78
(1,1)	1:469:A:PHE:HD1	1:470:A:GLN:H	8	0.78
(1,1)	1:469:A:PHE:HD2	1:470:A:GLN:H	8	0.78
(1,1598)	1:453:A:TYR:HE1	1:459:A:ALA:HA	10	0.77
(1,1598)	1:453:A:TYR:HE2	1:459:A:ALA:HA	10	0.77
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD1	6	0.77
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD2	6	0.77
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD1	6	0.77
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD2	6	0.77
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD1	6	0.77
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD2	6	0.77
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD1	6	0.77
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD2	6	0.77
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD1	6	0.77
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD2	6	0.77
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD1	6	0.77
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD2	6	0.77
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB1	3	0.77
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB2	3	0.77
(1,1581)	1:428:A:PHE:HD1	1:462:A:ALA:HB3	3	0.77
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB1	3	0.77
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB2	3	0.77
(1,1581)	1:428:A:PHE:HD2	1:462:A:ALA:HB3	3	0.77
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD1	1	0.77
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD2	1	0.77
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD1	1	0.77
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD2	1	0.77
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD1	17	0.77
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD2	17	0.77
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD1	17	0.77
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD2	17	0.77
(1,1541)	1:421:A:ILE:HA	1:425:A:PHE:HD1	12	0.77
(1,1541)	1:421:A:ILE:HA	1:425:A:PHE:HD2	12	0.77
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG21	6	0.77
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG22	6	0.77
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG23	6	0.77
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG11	20	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG12	20	0.77
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG13	20	0.77
(1,1464)	1:431:A:VAL:HA	1:453:A:TYR:HA	8	0.77
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD11	1	0.77
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD12	1	0.77
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD13	1	0.77
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD11	6	0.77
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD12	6	0.77
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD13	6	0.77
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD11	20	0.77
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD12	20	0.77
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD13	20	0.77
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	19	0.77
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	19	0.77
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	19	0.77
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	19	0.77
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	19	0.77
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	19	0.77
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB1	3	0.77
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB2	3	0.77
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB3	3	0.77
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB1	3	0.77
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB2	3	0.77
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB3	3	0.77
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB1	3	0.77
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB2	3	0.77
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB3	3	0.77
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD2	1	0.77
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD3	1	0.77
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD2	1	0.77
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD3	1	0.77
(1,1348)	1:475:A:ARG:HA	1:475:A:ARG:HD2	8	0.77
(1,1233)	1:419:A:GLN:HB2	1:420:A:ASP:H	14	0.77
(1,1230)	1:402:A:PRO:HG2	1:455:A:ASN:HA	12	0.77
(1,1194)	1:403:A:GLU:HB3	1:404:A:GLY:H	19	0.77
(1,1179)	1:463:A:ILE:HD11	1:479:A:GLN:HA	20	0.77
(1,1179)	1:463:A:ILE:HD12	1:479:A:GLN:HA	20	0.77
(1,1179)	1:463:A:ILE:HD13	1:479:A:GLN:HA	20	0.77
(1,1163)	1:453:A:TYR:HE1	1:459:A:ALA:HA	10	0.77
(1,1163)	1:453:A:TYR:HE2	1:459:A:ALA:HA	10	0.77
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD11	1	0.77
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD12	1	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD13	1	0.77
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD11	6	0.77
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD12	6	0.77
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD13	6	0.77
(1,1073)	1:432:A:ILE:HD11	1:454:A:ASP:H	12	0.77
(1,1073)	1:432:A:ILE:HD12	1:454:A:ASP:H	12	0.77
(1,1073)	1:432:A:ILE:HD13	1:454:A:ASP:H	12	0.77
(1,1011)	1:425:A:PHE:HB3	1:426:A:MET:H	13	0.77
(1,965)	1:438:A:ILE:HB	1:439:A:ASP:H	15	0.77
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG21	15	0.77
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG22	15	0.77
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG23	15	0.77
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG21	16	0.77
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG22	16	0.77
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG23	16	0.77
(1,954)	1:463:A:ILE:HG21	1:464:A:GLN:H	3	0.77
(1,954)	1:463:A:ILE:HG22	1:464:A:GLN:H	3	0.77
(1,954)	1:463:A:ILE:HG23	1:464:A:GLN:H	3	0.77
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	16	0.77
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	16	0.77
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	16	0.77
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	16	0.77
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	16	0.77
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	16	0.77
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	16	0.77
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	16	0.77
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	16	0.77
(1,838)	1:451:A:VAL:HG11	1:452:A:SER:H	5	0.77
(1,838)	1:451:A:VAL:HG12	1:452:A:SER:H	5	0.77
(1,838)	1:451:A:VAL:HG13	1:452:A:SER:H	5	0.77
(1,829)	1:450:A:PHE:H	1:450:A:PHE:HB2	4	0.77
(1,829)	1:450:A:PHE:H	1:450:A:PHE:HB2	16	0.77
(1,829)	1:450:A:PHE:H	1:450:A:PHE:HB2	20	0.77
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB1	20	0.77
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB2	20	0.77
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB3	20	0.77
(1,803)	1:465:A:ALA:HB1	1:466:A:MET:HA	14	0.77
(1,803)	1:465:A:ALA:HB2	1:466:A:MET:HA	14	0.77
(1,803)	1:465:A:ALA:HB3	1:466:A:MET:HA	14	0.77
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG21	6	0.77
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG22	6	0.77
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG23	6	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG11	20	0.77
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG12	20	0.77
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG13	20	0.77
(1,738)	1:431:A:VAL:HG11	1:432:A:ILE:H	5	0.77
(1,738)	1:431:A:VAL:HG12	1:432:A:ILE:H	5	0.77
(1,738)	1:431:A:VAL:HG13	1:432:A:ILE:H	5	0.77
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG21	10	0.77
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG22	10	0.77
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG23	10	0.77
(1,676)	1:481:A:LYS:HG2	1:482:A:ARG:H	1	0.77
(1,676)	1:481:A:LYS:HG3	1:482:A:ARG:H	1	0.77
(1,645)	1:407:A:LEU:HD11	1:451:A:VAL:H	8	0.77
(1,645)	1:407:A:LEU:HD12	1:451:A:VAL:H	8	0.77
(1,645)	1:407:A:LEU:HD13	1:451:A:VAL:H	8	0.77
(1,645)	1:407:A:LEU:HD21	1:451:A:VAL:H	8	0.77
(1,645)	1:407:A:LEU:HD22	1:451:A:VAL:H	8	0.77
(1,645)	1:407:A:LEU:HD23	1:451:A:VAL:H	8	0.77
(1,645)	1:407:A:LEU:HD11	1:451:A:VAL:H	9	0.77
(1,645)	1:407:A:LEU:HD12	1:451:A:VAL:H	9	0.77
(1,645)	1:407:A:LEU:HD13	1:451:A:VAL:H	9	0.77
(1,645)	1:407:A:LEU:HD21	1:451:A:VAL:H	9	0.77
(1,645)	1:407:A:LEU:HD22	1:451:A:VAL:H	9	0.77
(1,645)	1:407:A:LEU:HD23	1:451:A:VAL:H	9	0.77
(1,632)	1:476:A:LEU:H	1:476:A:LEU:HG	3	0.77
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	6	0.77
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	6	0.77
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	6	0.77
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	6	0.77
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	6	0.77
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	6	0.77
(1,595)	1:439:A:ASP:HB3	1:442:A:THR:H	1	0.77
(1,549)	1:403:A:GLU:HB3	1:404:A:GLY:H	19	0.77
(1,534)	1:453:A:TYR:HD1	1:454:A:ASP:H	16	0.77
(1,534)	1:453:A:TYR:HD2	1:454:A:ASP:H	16	0.77
(1,518)	1:430:A:ASN:HA	1:430:A:ASN:HD22	6	0.77
(1,496)	1:455:A:ASN:HA	1:455:A:ASN:HD22	4	0.77
(1,481)	1:406:A:ASN:H	1:407:A:LEU:H	16	0.77
(1,481)	1:406:A:ASN:H	1:407:A:LEU:H	18	0.77
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB1	20	0.77
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB2	20	0.77
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB3	20	0.77
(1,446)	1:418:A:ASP:HB3	1:419:A:GLN:H	17	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,373)	1:457:A:VAL:HB	1:458:A:SER:H	5	0.77
(1,373)	1:457:A:VAL:HB	1:458:A:SER:H	6	0.77
(1,373)	1:457:A:VAL:HB	1:458:A:SER:H	10	0.77
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG21	10	0.77
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG22	10	0.77
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG23	10	0.77
(1,324)	1:451:A:VAL:HG11	1:452:A:SER:H	5	0.77
(1,324)	1:451:A:VAL:HG12	1:452:A:SER:H	5	0.77
(1,324)	1:451:A:VAL:HG13	1:452:A:SER:H	5	0.77
(1,286)	1:435:A:LYS:H	1:450:A:PHE:H	10	0.77
(1,258)	1:435:A:LYS:H	1:436:A:VAL:H	20	0.77
(1,241)	1:399:A:LYS:HB2	1:400:A:GLU:H	7	0.77
(1,241)	1:399:A:LYS:HB3	1:400:A:GLU:H	7	0.77
(1,241)	1:399:A:LYS:HB2	1:400:A:GLU:H	9	0.77
(1,241)	1:399:A:LYS:HB3	1:400:A:GLU:H	9	0.77
(1,152)	1:406:A:ASN:H	1:407:A:LEU:H	16	0.77
(1,152)	1:406:A:ASN:H	1:407:A:LEU:H	18	0.77
(1,148)	1:407:A:LEU:H	1:408:A:PHE:H	5	0.77
(1,48)	1:438:A:ILE:HB	1:439:A:ASP:H	15	0.77
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG21	15	0.77
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG22	15	0.77
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG23	15	0.77
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG21	16	0.77
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG22	16	0.77
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG23	16	0.77
(1,1)	1:469:A:PHE:HD1	1:470:A:GLN:H	20	0.77
(1,1)	1:469:A:PHE:HD2	1:470:A:GLN:H	20	0.77
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD1	16	0.76
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD2	16	0.76
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD1	16	0.76
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD2	16	0.76
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD1	16	0.76
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD2	16	0.76
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD1	16	0.76
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD2	16	0.76
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD1	16	0.76
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD2	16	0.76
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD1	16	0.76
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD2	16	0.76
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB1	14	0.76
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB2	14	0.76
(1,1543)	1:425:A:PHE:HD1	1:462:A:ALA:HB3	14	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB1	14	0.76
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB2	14	0.76
(1,1543)	1:425:A:PHE:HD2	1:462:A:ALA:HB3	14	0.76
(1,1520)	1:434:A:ALA:HA	1:451:A:VAL:HA	15	0.76
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG21	18	0.76
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG22	18	0.76
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG23	18	0.76
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD2	2	0.76
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD3	2	0.76
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD2	2	0.76
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD3	2	0.76
(1,1469)	1:483:A:SER:HB2	1:484:A:LYS:HA	7	0.76
(1,1469)	1:483:A:SER:HB3	1:484:A:LYS:HA	7	0.76
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD11	5	0.76
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD12	5	0.76
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD13	5	0.76
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD11	19	0.76
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD12	19	0.76
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD13	19	0.76
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	14	0.76
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	14	0.76
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	14	0.76
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	14	0.76
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	14	0.76
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	14	0.76
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	14	0.76
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	14	0.76
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	14	0.76
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG11	3	0.76
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG12	3	0.76
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG13	3	0.76
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG11	3	0.76
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG12	3	0.76
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG13	3	0.76
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG21	20	0.76
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG22	20	0.76
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG23	20	0.76
(1,1243)	1:407:A:LEU:HG	1:459:A:ALA:HA	2	0.76
(1,1240)	1:432:A:ILE:HG12	1:454:A:ASP:H	18	0.76
(1,1240)	1:432:A:ILE:HG13	1:454:A:ASP:H	18	0.76
(1,1181)	1:479:A:GLN:HA	1:480:A:LEU:HG	10	0.76
(1,1165)	1:407:A:LEU:HG	1:459:A:ALA:HA	2	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD11	11	0.76
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD12	11	0.76
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD13	11	0.76
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG2	16	0.76
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG3	16	0.76
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD11	7	0.76
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD12	7	0.76
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD13	7	0.76
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	5	0.76
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	5	0.76
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	5	0.76
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	5	0.76
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	5	0.76
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	5	0.76
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	10	0.76
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	10	0.76
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	10	0.76
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	10	0.76
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	10	0.76
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	10	0.76
(1,1011)	1:425:A:PHE:HB3	1:426:A:MET:H	12	0.76
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD11	5	0.76
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD12	5	0.76
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD13	5	0.76
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG21	17	0.76
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG22	17	0.76
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG23	17	0.76
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG21	14	0.76
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG22	14	0.76
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG23	14	0.76
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG21	14	0.76
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG22	14	0.76
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG23	14	0.76
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG21	6	0.76
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG22	6	0.76
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG23	6	0.76
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG21	18	0.76
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG22	18	0.76
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG23	18	0.76
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	14	0.76
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	14	0.76
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	14	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	14	0.76
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	14	0.76
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	14	0.76
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	14	0.76
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	14	0.76
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	14	0.76
(1,940)	1:486:A:ASP:H	1:486:A:ASP:HB2	2	0.76
(1,885)	1:433:A:SER:HB2	1:434:A:ALA:H	3	0.76
(1,883)	1:453:A:TYR:HB3	1:454:A:ASP:H	19	0.76
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	11	0.76
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	11	0.76
(1,843)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	11	0.76
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	11	0.76
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	11	0.76
(1,843)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	11	0.76
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	11	0.76
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	11	0.76
(1,843)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	11	0.76
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	11	0.76
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	11	0.76
(1,843)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	11	0.76
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	11	0.76
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	11	0.76
(1,843)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	11	0.76
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	11	0.76
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	11	0.76
(1,843)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	11	0.76
(1,803)	1:465:A:ALA:HB1	1:466:A:MET:HA	17	0.76
(1,803)	1:465:A:ALA:HB2	1:466:A:MET:HA	17	0.76
(1,803)	1:465:A:ALA:HB3	1:466:A:MET:HA	17	0.76
(1,803)	1:465:A:ALA:HB1	1:466:A:MET:HA	18	0.76
(1,803)	1:465:A:ALA:HB2	1:466:A:MET:HA	18	0.76
(1,803)	1:465:A:ALA:HB3	1:466:A:MET:HA	18	0.76
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG21	1	0.76
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG22	1	0.76
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG23	1	0.76
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG21	5	0.76
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG22	5	0.76
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG23	5	0.76
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG21	6	0.76
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG22	6	0.76
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG23	6	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG21	16	0.76
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG22	16	0.76
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG23	16	0.76
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG21	19	0.76
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG22	19	0.76
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG23	19	0.76
(1,738)	1:431:A:VAL:HG11	1:432:A:ILE:H	6	0.76
(1,738)	1:431:A:VAL:HG12	1:432:A:ILE:H	6	0.76
(1,738)	1:431:A:VAL:HG13	1:432:A:ILE:H	6	0.76
(1,688)	1:480:A:LEU:HD11	1:481:A:LYS:H	16	0.76
(1,688)	1:480:A:LEU:HD12	1:481:A:LYS:H	16	0.76
(1,688)	1:480:A:LEU:HD13	1:481:A:LYS:H	16	0.76
(1,688)	1:480:A:LEU:HD21	1:481:A:LYS:H	16	0.76
(1,688)	1:480:A:LEU:HD22	1:481:A:LYS:H	16	0.76
(1,688)	1:480:A:LEU:HD23	1:481:A:LYS:H	16	0.76
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG2	5	0.76
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG3	5	0.76
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG2	20	0.76
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG3	20	0.76
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG11	11	0.76
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG12	11	0.76
(1,651)	1:407:A:LEU:HD11	1:451:A:VAL:HG13	11	0.76
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG11	11	0.76
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG12	11	0.76
(1,651)	1:407:A:LEU:HD12	1:451:A:VAL:HG13	11	0.76
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG11	11	0.76
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG12	11	0.76
(1,651)	1:407:A:LEU:HD13	1:451:A:VAL:HG13	11	0.76
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG11	11	0.76
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG12	11	0.76
(1,651)	1:407:A:LEU:HD21	1:451:A:VAL:HG13	11	0.76
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG11	11	0.76
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG12	11	0.76
(1,651)	1:407:A:LEU:HD22	1:451:A:VAL:HG13	11	0.76
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG11	11	0.76
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG12	11	0.76
(1,651)	1:407:A:LEU:HD23	1:451:A:VAL:HG13	11	0.76
(1,645)	1:407:A:LEU:HD11	1:451:A:VAL:H	5	0.76
(1,645)	1:407:A:LEU:HD12	1:451:A:VAL:H	5	0.76
(1,645)	1:407:A:LEU:HD13	1:451:A:VAL:H	5	0.76
(1,645)	1:407:A:LEU:HD21	1:451:A:VAL:H	5	0.76
(1,645)	1:407:A:LEU:HD22	1:451:A:VAL:H	5	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:407:A:LEU:HD23	1:451:A:VAL:H	5	0.76
(1,645)	1:407:A:LEU:HD11	1:451:A:VAL:H	18	0.76
(1,645)	1:407:A:LEU:HD12	1:451:A:VAL:H	18	0.76
(1,645)	1:407:A:LEU:HD13	1:451:A:VAL:H	18	0.76
(1,645)	1:407:A:LEU:HD21	1:451:A:VAL:H	18	0.76
(1,645)	1:407:A:LEU:HD22	1:451:A:VAL:H	18	0.76
(1,645)	1:407:A:LEU:HD23	1:451:A:VAL:H	18	0.76
(1,614)	1:407:A:LEU:H	1:407:A:LEU:HG	7	0.76
(1,600)	1:428:A:PHE:HB2	1:429:A:GLY:H	13	0.76
(1,600)	1:428:A:PHE:HB2	1:429:A:GLY:H	17	0.76
(1,563)	1:410:A:TYR:HB3	1:411:A:HIS:H	16	0.76
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG11	15	0.76
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG12	15	0.76
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG13	15	0.76
(1,546)	1:404:A:GLY:H	1:406:A:ASN:HD22	6	0.76
(1,542)	1:453:A:TYR:HB3	1:454:A:ASP:H	19	0.76
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG2	16	0.76
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG3	16	0.76
(1,481)	1:406:A:ASN:H	1:407:A:LEU:H	20	0.76
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB1	8	0.76
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB2	8	0.76
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB3	8	0.76
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB1	9	0.76
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB2	9	0.76
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB3	9	0.76
(1,363)	1:407:A:LEU:HD11	1:463:A:ILE:H	2	0.76
(1,363)	1:407:A:LEU:HD12	1:463:A:ILE:H	2	0.76
(1,363)	1:407:A:LEU:HD13	1:463:A:ILE:H	2	0.76
(1,363)	1:407:A:LEU:HD21	1:463:A:ILE:H	2	0.76
(1,363)	1:407:A:LEU:HD22	1:463:A:ILE:H	2	0.76
(1,363)	1:407:A:LEU:HD23	1:463:A:ILE:H	2	0.76
(1,283)	1:407:A:LEU:HG	1:459:A:ALA:H	20	0.76
(1,262)	1:486:A:ASP:H	1:486:A:ASP:HB2	2	0.76
(1,258)	1:435:A:LYS:H	1:436:A:VAL:H	9	0.76
(1,152)	1:406:A:ASN:H	1:407:A:LEU:H	20	0.76
(1,148)	1:407:A:LEU:H	1:408:A:PHE:H	14	0.76
(1,127)	1:466:A:MET:HA	1:469:A:PHE:H	8	0.76
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG21	1	0.76
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG22	1	0.76
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG23	1	0.76
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG21	5	0.76
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG22	5	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG23	5	0.76
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG21	6	0.76
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG22	6	0.76
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG23	6	0.76
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG21	16	0.76
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG22	16	0.76
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG23	16	0.76
(1,91)	1:480:A:LEU:HD11	1:481:A:LYS:H	16	0.76
(1,91)	1:480:A:LEU:HD12	1:481:A:LYS:H	16	0.76
(1,91)	1:480:A:LEU:HD13	1:481:A:LYS:H	16	0.76
(1,91)	1:480:A:LEU:HD21	1:481:A:LYS:H	16	0.76
(1,91)	1:480:A:LEU:HD22	1:481:A:LYS:H	16	0.76
(1,91)	1:480:A:LEU:HD23	1:481:A:LYS:H	16	0.76
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG2	5	0.76
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG3	5	0.76
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG2	20	0.76
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG3	20	0.76
(1,57)	1:470:A:GLN:HG2	1:471:A:ILE:H	15	0.76
(1,57)	1:470:A:GLN:HG3	1:471:A:ILE:H	15	0.76
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG21	6	0.76
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG22	6	0.76
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG23	6	0.76
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG21	18	0.76
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG22	18	0.76
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG23	18	0.76
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD1	4	0.75
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD2	4	0.75
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD11	2	0.75
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD12	2	0.75
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD13	2	0.75
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB1	9	0.75
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB2	9	0.75
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB3	9	0.75
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB1	9	0.75
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB2	9	0.75
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB3	9	0.75
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB1	9	0.75
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB2	9	0.75
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB3	9	0.75
(1,1240)	1:432:A:ILE:HG12	1:454:A:ASP:H	16	0.75
(1,1240)	1:432:A:ILE:HG13	1:454:A:ASP:H	16	0.75
(1,1233)	1:419:A:GLN:HB2	1:420:A:ASP:H	6	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1233)	1:419:A:GLN:HB2	1:420:A:ASP:H	20	0.75
(1,1088)	1:419:A:GLN:HA	1:422:A:LEU:H	16	0.75
(1,1073)	1:432:A:ILE:HD11	1:454:A:ASP:H	2	0.75
(1,1073)	1:432:A:ILE:HD12	1:454:A:ASP:H	2	0.75
(1,1073)	1:432:A:ILE:HD13	1:454:A:ASP:H	2	0.75
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG2	15	0.75
(1,1064)	1:415:A:GLU:H	1:415:A:GLU:HG3	15	0.75
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD11	16	0.75
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD12	16	0.75
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD13	16	0.75
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD11	16	0.75
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD12	16	0.75
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD13	16	0.75
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD11	16	0.75
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD12	16	0.75
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD13	16	0.75
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD11	16	0.75
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD12	16	0.75
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD13	16	0.75
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD11	16	0.75
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD12	16	0.75
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD13	16	0.75
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD11	16	0.75
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD12	16	0.75
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD13	16	0.75
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB1	13	0.75
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB2	13	0.75
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB3	13	0.75
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB1	13	0.75
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB2	13	0.75
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB3	13	0.75
(1,926)	1:406:A:ASN:HB3	1:407:A:LEU:H	20	0.75
(1,887)	1:433:A:SER:HB3	1:434:A:ALA:H	17	0.75
(1,887)	1:433:A:SER:HB3	1:434:A:ALA:H	19	0.75
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD2	15	0.75
(1,862)	1:475:A:ARG:H	1:475:A:ARG:HD3	15	0.75
(1,829)	1:450:A:PHE:H	1:450:A:PHE:HB2	5	0.75
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB1	17	0.75
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB2	17	0.75
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB3	17	0.75
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	13	0.75
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	13	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,724)	1:407:A:LEU:HB3	1:408:A:PHE:H	16	0.75
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG21	4	0.75
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG22	4	0.75
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG23	4	0.75
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	19	0.75
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	19	0.75
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	19	0.75
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD11	2	0.75
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD12	2	0.75
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD13	2	0.75
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD21	2	0.75
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD22	2	0.75
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD23	2	0.75
(1,700)	1:476:A:LEU:HD11	1:477:A:LYS:H	6	0.75
(1,700)	1:476:A:LEU:HD12	1:477:A:LYS:H	6	0.75
(1,700)	1:476:A:LEU:HD13	1:477:A:LYS:H	6	0.75
(1,700)	1:476:A:LEU:HD21	1:477:A:LYS:H	6	0.75
(1,700)	1:476:A:LEU:HD22	1:477:A:LYS:H	6	0.75
(1,700)	1:476:A:LEU:HD23	1:477:A:LYS:H	6	0.75
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB2	10	0.75
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB3	10	0.75
(1,632)	1:476:A:LEU:H	1:476:A:LEU:HG	10	0.75
(1,632)	1:476:A:LEU:H	1:476:A:LEU:HG	14	0.75
(1,579)	1:400:A:GLU:HB3	1:401:A:GLY:H	17	0.75
(1,573)	1:463:A:ILE:HA	1:466:A:MET:H	20	0.75
(1,553)	1:422:A:LEU:HA	1:425:A:PHE:H	16	0.75
(1,507)	1:454:A:ASP:H	1:455:A:ASN:H	8	0.75
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG2	15	0.75
(1,494)	1:415:A:GLU:H	1:415:A:GLU:HG3	15	0.75
(1,482)	1:405:A:ALA:H	1:406:A:ASN:H	13	0.75
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG21	4	0.75
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG22	4	0.75
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG23	4	0.75
(1,349)	1:407:A:LEU:HB3	1:408:A:PHE:H	16	0.75
(1,302)	1:403:A:GLU:HG2	1:405:A:ALA:H	17	0.75
(1,286)	1:435:A:LYS:H	1:450:A:PHE:H	19	0.75
(1,280)	1:458:A:SER:HB2	1:459:A:ALA:H	13	0.75
(1,278)	1:453:A:TYR:HD1	1:459:A:ALA:H	14	0.75
(1,278)	1:453:A:TYR:HD2	1:459:A:ALA:H	14	0.75
(1,271)	1:456:A:PRO:HD2	1:457:A:VAL:H	19	0.75
(1,209)	1:418:A:ASP:H	1:420:A:ASP:HB3	20	0.75
(1,178)	1:419:A:GLN:HA	1:422:A:LEU:H	16	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,154)	1:406:A:ASN:HB3	1:407:A:LEU:H	20	0.75
(1,133)	1:405:A:ALA:HB1	1:451:A:VAL:H	6	0.75
(1,133)	1:405:A:ALA:HB2	1:451:A:VAL:H	6	0.75
(1,133)	1:405:A:ALA:HB3	1:451:A:VAL:H	6	0.75
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD1	14	0.75
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD2	14	0.75
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD1	15	0.75
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD2	15	0.75
(1,113)	1:476:A:LEU:HD11	1:477:A:LYS:H	6	0.75
(1,113)	1:476:A:LEU:HD12	1:477:A:LYS:H	6	0.75
(1,113)	1:476:A:LEU:HD13	1:477:A:LYS:H	6	0.75
(1,113)	1:476:A:LEU:HD21	1:477:A:LYS:H	6	0.75
(1,113)	1:476:A:LEU:HD22	1:477:A:LYS:H	6	0.75
(1,113)	1:476:A:LEU:HD23	1:477:A:LYS:H	6	0.75
(1,57)	1:470:A:GLN:HG2	1:471:A:ILE:H	10	0.75
(1,57)	1:470:A:GLN:HG3	1:471:A:ILE:H	10	0.75
(1,43)	1:438:A:ILE:H	1:439:A:ASP:H	13	0.75
(1,1)	1:469:A:PHE:HD1	1:470:A:GLN:H	7	0.75
(1,1)	1:469:A:PHE:HD2	1:470:A:GLN:H	7	0.75
(1,1)	1:469:A:PHE:HD1	1:470:A:GLN:H	9	0.75
(1,1)	1:469:A:PHE:HD2	1:470:A:GLN:H	9	0.75
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD1	6	0.74
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD2	6	0.74
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD1	6	0.74
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD2	6	0.74
(1,1491)	1:407:A:LEU:HD11	1:459:A:ALA:HA	7	0.74
(1,1491)	1:407:A:LEU:HD12	1:459:A:ALA:HA	7	0.74
(1,1491)	1:407:A:LEU:HD13	1:459:A:ALA:HA	7	0.74
(1,1491)	1:407:A:LEU:HD21	1:459:A:ALA:HA	7	0.74
(1,1491)	1:407:A:LEU:HD22	1:459:A:ALA:HA	7	0.74
(1,1491)	1:407:A:LEU:HD23	1:459:A:ALA:HA	7	0.74
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	11	0.74
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	11	0.74
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD11	17	0.74
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD12	17	0.74
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD13	17	0.74
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD1	12	0.74
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD2	12	0.74
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD11	9	0.74
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD12	9	0.74
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD13	9	0.74
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD2	20	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD3	20	0.74
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD2	20	0.74
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD3	20	0.74
(1,1239)	1:432:A:ILE:HG12	1:433:A:SER:H	11	0.74
(1,1239)	1:432:A:ILE:HG13	1:433:A:SER:H	11	0.74
(1,1230)	1:402:A:PRO:HG2	1:455:A:ASN:HA	19	0.74
(1,1194)	1:403:A:GLU:HB3	1:404:A:GLY:H	3	0.74
(1,1164)	1:407:A:LEU:HD11	1:459:A:ALA:HA	7	0.74
(1,1164)	1:407:A:LEU:HD12	1:459:A:ALA:HA	7	0.74
(1,1164)	1:407:A:LEU:HD13	1:459:A:ALA:HA	7	0.74
(1,1164)	1:407:A:LEU:HD21	1:459:A:ALA:HA	7	0.74
(1,1164)	1:407:A:LEU:HD22	1:459:A:ALA:HA	7	0.74
(1,1164)	1:407:A:LEU:HD23	1:459:A:ALA:HA	7	0.74
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD11	17	0.74
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD12	17	0.74
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD13	17	0.74
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	2	0.74
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	2	0.74
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	2	0.74
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	2	0.74
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	2	0.74
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	2	0.74
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB1	15	0.74
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB2	15	0.74
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB3	15	0.74
(1,998)	1:485:A:ASN:HB3	1:486:A:ASP:H	8	0.74
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG21	20	0.74
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG22	20	0.74
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG23	20	0.74
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG21	20	0.74
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG22	20	0.74
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG23	20	0.74
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG21	10	0.74
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG22	10	0.74
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG23	10	0.74
(1,954)	1:463:A:ILE:HG21	1:464:A:GLN:H	15	0.74
(1,954)	1:463:A:ILE:HG22	1:464:A:GLN:H	15	0.74
(1,954)	1:463:A:ILE:HG23	1:464:A:GLN:H	15	0.74
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE1	15	0.74
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE2	15	0.74
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE3	15	0.74
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE1	15	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE2	15	0.74
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE3	15	0.74
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE1	15	0.74
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE2	15	0.74
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE3	15	0.74
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB1	4	0.74
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB2	4	0.74
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB3	4	0.74
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB1	4	0.74
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB2	4	0.74
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB3	4	0.74
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB1	4	0.74
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB2	4	0.74
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB3	4	0.74
(1,885)	1:433:A:SER:HB2	1:434:A:ALA:H	8	0.74
(1,883)	1:453:A:TYR:HB3	1:454:A:ASP:H	1	0.74
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG21	3	0.74
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG22	3	0.74
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG23	3	0.74
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG21	4	0.74
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG22	4	0.74
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG23	4	0.74
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG21	18	0.74
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG22	18	0.74
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG23	18	0.74
(1,770)	1:457:A:VAL:HG11	1:458:A:SER:HB3	12	0.74
(1,770)	1:457:A:VAL:HG12	1:458:A:SER:HB3	12	0.74
(1,770)	1:457:A:VAL:HG13	1:458:A:SER:HB3	12	0.74
(1,770)	1:457:A:VAL:HG21	1:458:A:SER:HB3	12	0.74
(1,770)	1:457:A:VAL:HG22	1:458:A:SER:HB3	12	0.74
(1,770)	1:457:A:VAL:HG23	1:458:A:SER:HB3	12	0.74
(1,768)	1:457:A:VAL:HG11	1:458:A:SER:HB2	19	0.74
(1,768)	1:457:A:VAL:HG12	1:458:A:SER:HB2	19	0.74
(1,768)	1:457:A:VAL:HG13	1:458:A:SER:HB2	19	0.74
(1,768)	1:457:A:VAL:HG21	1:458:A:SER:HB2	19	0.74
(1,768)	1:457:A:VAL:HG22	1:458:A:SER:HB2	19	0.74
(1,768)	1:457:A:VAL:HG23	1:458:A:SER:HB2	19	0.74
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG21	11	0.74
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG22	11	0.74
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG23	11	0.74
(1,720)	1:444:A:LEU:HD11	1:445:A:SER:H	7	0.74
(1,720)	1:444:A:LEU:HD12	1:445:A:SER:H	7	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,720)	1:444:A:LEU:HD13	1:445:A:SER:H	7	0.74
(1,720)	1:444:A:LEU:HD21	1:445:A:SER:H	7	0.74
(1,720)	1:444:A:LEU:HD22	1:445:A:SER:H	7	0.74
(1,720)	1:444:A:LEU:HD23	1:445:A:SER:H	7	0.74
(1,700)	1:476:A:LEU:HD11	1:477:A:LYS:H	14	0.74
(1,700)	1:476:A:LEU:HD12	1:477:A:LYS:H	14	0.74
(1,700)	1:476:A:LEU:HD13	1:477:A:LYS:H	14	0.74
(1,700)	1:476:A:LEU:HD21	1:477:A:LYS:H	14	0.74
(1,700)	1:476:A:LEU:HD22	1:477:A:LYS:H	14	0.74
(1,700)	1:476:A:LEU:HD23	1:477:A:LYS:H	14	0.74
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG2	2	0.74
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG3	2	0.74
(1,679)	1:477:A:LYS:HG2	1:478:A:VAL:H	5	0.74
(1,679)	1:477:A:LYS:HG3	1:478:A:VAL:H	5	0.74
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG2	6	0.74
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG3	6	0.74
(1,647)	1:407:A:LEU:HD11	1:408:A:PHE:H	9	0.74
(1,647)	1:407:A:LEU:HD12	1:408:A:PHE:H	9	0.74
(1,647)	1:407:A:LEU:HD13	1:408:A:PHE:H	9	0.74
(1,647)	1:407:A:LEU:HD21	1:408:A:PHE:H	9	0.74
(1,647)	1:407:A:LEU:HD22	1:408:A:PHE:H	9	0.74
(1,647)	1:407:A:LEU:HD23	1:408:A:PHE:H	9	0.74
(1,600)	1:428:A:PHE:HB2	1:429:A:GLY:H	16	0.74
(1,600)	1:428:A:PHE:HB2	1:429:A:GLY:H	19	0.74
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG21	18	0.74
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG22	18	0.74
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG23	18	0.74
(1,553)	1:422:A:LEU:HA	1:425:A:PHE:H	12	0.74
(1,549)	1:403:A:GLU:HB3	1:404:A:GLY:H	3	0.74
(1,542)	1:453:A:TYR:HB3	1:454:A:ASP:H	1	0.74
(1,507)	1:454:A:ASP:H	1:455:A:ASN:H	3	0.74
(1,482)	1:405:A:ALA:H	1:406:A:ASN:H	3	0.74
(1,479)	1:444:A:LEU:HD11	1:445:A:SER:H	7	0.74
(1,479)	1:444:A:LEU:HD12	1:445:A:SER:H	7	0.74
(1,479)	1:444:A:LEU:HD13	1:445:A:SER:H	7	0.74
(1,479)	1:444:A:LEU:HD21	1:445:A:SER:H	7	0.74
(1,479)	1:444:A:LEU:HD22	1:445:A:SER:H	7	0.74
(1,479)	1:444:A:LEU:HD23	1:445:A:SER:H	7	0.74
(1,446)	1:418:A:ASP:HB3	1:419:A:GLN:H	18	0.74
(1,373)	1:457:A:VAL:HB	1:458:A:SER:H	19	0.74
(1,352)	1:407:A:LEU:HD11	1:408:A:PHE:H	9	0.74
(1,352)	1:407:A:LEU:HD12	1:408:A:PHE:H	9	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,352)	1:407:A:LEU:HD13	1:408:A:PHE:H	9	0.74
(1,352)	1:407:A:LEU:HD21	1:408:A:PHE:H	9	0.74
(1,352)	1:407:A:LEU:HD22	1:408:A:PHE:H	9	0.74
(1,352)	1:407:A:LEU:HD23	1:408:A:PHE:H	9	0.74
(1,302)	1:403:A:GLU:HG2	1:405:A:ALA:H	1	0.74
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG12	14	0.74
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG13	14	0.74
(1,227)	1:418:A:ASP:H	1:436:A:VAL:HB	15	0.74
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG11	10	0.74
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG12	10	0.74
(1,147)	1:407:A:LEU:H	1:451:A:VAL:HG13	10	0.74
(1,113)	1:476:A:LEU:HD11	1:477:A:LYS:H	14	0.74
(1,113)	1:476:A:LEU:HD12	1:477:A:LYS:H	14	0.74
(1,113)	1:476:A:LEU:HD13	1:477:A:LYS:H	14	0.74
(1,113)	1:476:A:LEU:HD21	1:477:A:LYS:H	14	0.74
(1,113)	1:476:A:LEU:HD22	1:477:A:LYS:H	14	0.74
(1,113)	1:476:A:LEU:HD23	1:477:A:LYS:H	14	0.74
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG21	3	0.74
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG22	3	0.74
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG23	3	0.74
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG21	4	0.74
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG22	4	0.74
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG23	4	0.74
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG21	18	0.74
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG22	18	0.74
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG23	18	0.74
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG2	6	0.74
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG3	6	0.74
(1,52)	1:471:A:ILE:H	1:474:A:LYS:H	16	0.74
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG21	10	0.74
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG22	10	0.74
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG23	10	0.74
(1,1)	1:469:A:PHE:HD1	1:470:A:GLN:H	10	0.74
(1,1)	1:469:A:PHE:HD2	1:470:A:GLN:H	10	0.74
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB1	20	0.73
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB2	20	0.73
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB3	20	0.73
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB1	20	0.73
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB2	20	0.73
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB3	20	0.73
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD1	5	0.73
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD2	5	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD1	20	0.73
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD2	20	0.73
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD2	9	0.73
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD3	9	0.73
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD11	1	0.73
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD12	1	0.73
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD13	1	0.73
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD2	19	0.73
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD3	19	0.73
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD2	19	0.73
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD3	19	0.73
(1,1322)	1:436:A:VAL:HG11	1:448:A:PHE:HA	17	0.73
(1,1322)	1:436:A:VAL:HG12	1:448:A:PHE:HA	17	0.73
(1,1322)	1:436:A:VAL:HG13	1:448:A:PHE:HA	17	0.73
(1,1247)	1:412:A:LEU:HG	1:421:A:ILE:HG13	9	0.73
(1,1240)	1:432:A:ILE:HG12	1:454:A:ASP:H	2	0.73
(1,1240)	1:432:A:ILE:HG13	1:454:A:ASP:H	2	0.73
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB2	10	0.73
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB3	10	0.73
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB2	10	0.73
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB3	10	0.73
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD11	7	0.73
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD12	7	0.73
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD13	7	0.73
(1,1011)	1:425:A:PHE:HB3	1:426:A:MET:H	20	0.73
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG21	9	0.73
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG22	9	0.73
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG23	9	0.73
(1,926)	1:406:A:ASN:HB3	1:407:A:LEU:H	16	0.73
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	17	0.73
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	17	0.73
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	17	0.73
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	17	0.73
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	17	0.73
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	17	0.73
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	17	0.73
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	17	0.73
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	17	0.73
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	17	0.73
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	17	0.73
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	17	0.73
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	17	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	17	0.73
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	17	0.73
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	17	0.73
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	17	0.73
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	17	0.73
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB2	20	0.73
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB3	20	0.73
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB2	20	0.73
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB3	20	0.73
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB2	20	0.73
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB3	20	0.73
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG21	20	0.73
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG22	20	0.73
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG23	20	0.73
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	16	0.73
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	16	0.73
(1,768)	1:457:A:VAL:HG11	1:458:A:SER:HB2	17	0.73
(1,768)	1:457:A:VAL:HG12	1:458:A:SER:HB2	17	0.73
(1,768)	1:457:A:VAL:HG13	1:458:A:SER:HB2	17	0.73
(1,768)	1:457:A:VAL:HG21	1:458:A:SER:HB2	17	0.73
(1,768)	1:457:A:VAL:HG22	1:458:A:SER:HB2	17	0.73
(1,768)	1:457:A:VAL:HG23	1:458:A:SER:HB2	17	0.73
(1,724)	1:407:A:LEU:HB3	1:408:A:PHE:H	19	0.73
(1,724)	1:407:A:LEU:HB3	1:408:A:PHE:H	20	0.73
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG2	9	0.73
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG3	9	0.73
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB2	6	0.73
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB3	6	0.73
(1,645)	1:407:A:LEU:HD11	1:451:A:VAL:H	2	0.73
(1,645)	1:407:A:LEU:HD12	1:451:A:VAL:H	2	0.73
(1,645)	1:407:A:LEU:HD13	1:451:A:VAL:H	2	0.73
(1,645)	1:407:A:LEU:HD21	1:451:A:VAL:H	2	0.73
(1,645)	1:407:A:LEU:HD22	1:451:A:VAL:H	2	0.73
(1,645)	1:407:A:LEU:HD23	1:451:A:VAL:H	2	0.73
(1,614)	1:407:A:LEU:H	1:407:A:LEU:HG	14	0.73
(1,600)	1:428:A:PHE:HB2	1:429:A:GLY:H	1	0.73
(1,579)	1:400:A:GLU:HB3	1:401:A:GLY:H	11	0.73
(1,534)	1:453:A:TYR:HD1	1:454:A:ASP:H	20	0.73
(1,534)	1:453:A:TYR:HD2	1:454:A:ASP:H	20	0.73
(1,466)	1:422:A:LEU:HB2	1:423:A:GLN:H	3	0.73
(1,363)	1:407:A:LEU:HD11	1:463:A:ILE:H	20	0.73
(1,363)	1:407:A:LEU:HD12	1:463:A:ILE:H	20	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,363)	1:407:A:LEU:HD13	1:463:A:ILE:H	20	0.73
(1,363)	1:407:A:LEU:HD21	1:463:A:ILE:H	20	0.73
(1,363)	1:407:A:LEU:HD22	1:463:A:ILE:H	20	0.73
(1,363)	1:407:A:LEU:HD23	1:463:A:ILE:H	20	0.73
(1,358)	1:460:A:GLN:HA	1:463:A:ILE:H	20	0.73
(1,349)	1:407:A:LEU:HB3	1:408:A:PHE:H	19	0.73
(1,349)	1:407:A:LEU:HB3	1:408:A:PHE:H	20	0.73
(1,278)	1:453:A:TYR:HD1	1:459:A:ALA:H	1	0.73
(1,278)	1:453:A:TYR:HD2	1:459:A:ALA:H	1	0.73
(1,154)	1:406:A:ASN:HB3	1:407:A:LEU:H	16	0.73
(1,133)	1:405:A:ALA:HB1	1:451:A:VAL:H	9	0.73
(1,133)	1:405:A:ALA:HB2	1:451:A:VAL:H	9	0.73
(1,133)	1:405:A:ALA:HB3	1:451:A:VAL:H	9	0.73
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG21	20	0.73
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG22	20	0.73
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG23	20	0.73
(1,43)	1:438:A:ILE:H	1:439:A:ASP:H	19	0.73
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG21	9	0.73
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG22	9	0.73
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG23	9	0.73
(1,1)	1:469:A:PHE:HD1	1:470:A:GLN:H	14	0.73
(1,1)	1:469:A:PHE:HD2	1:470:A:GLN:H	14	0.73
(1,1498)	1:428:A:PHE:HE1	1:465:A:ALA:HA	6	0.72
(1,1498)	1:428:A:PHE:HE2	1:465:A:ALA:HA	6	0.72
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG21	8	0.72
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG22	8	0.72
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG23	8	0.72
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG21	8	0.72
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG22	8	0.72
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG23	8	0.72
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD11	18	0.72
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD12	18	0.72
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD13	18	0.72
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	16	0.72
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	16	0.72
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	16	0.72
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG11	18	0.72
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG12	18	0.72
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG13	18	0.72
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD11	1	0.72
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD12	1	0.72
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD13	1	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD21	1	0.72
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD22	1	0.72
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD23	1	0.72
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD11	1	0.72
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD12	1	0.72
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD13	1	0.72
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD21	1	0.72
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD22	1	0.72
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD23	1	0.72
(1,1194)	1:403:A:GLU:HB3	1:404:A:GLY:H	13	0.72
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD11	8	0.72
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD12	8	0.72
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD13	8	0.72
(1,1127)	1:467:A:ASN:HA	1:469:A:PHE:H	12	0.72
(1,1073)	1:432:A:ILE:HD11	1:454:A:ASP:H	18	0.72
(1,1073)	1:432:A:ILE:HD12	1:454:A:ASP:H	18	0.72
(1,1073)	1:432:A:ILE:HD13	1:454:A:ASP:H	18	0.72
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG21	13	0.72
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG22	13	0.72
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG23	13	0.72
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG21	13	0.72
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG22	13	0.72
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG23	13	0.72
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG21	13	0.72
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG22	13	0.72
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG23	13	0.72
(1,960)	1:432:A:ILE:HG21	1:433:A:SER:H	7	0.72
(1,960)	1:432:A:ILE:HG22	1:433:A:SER:H	7	0.72
(1,960)	1:432:A:ILE:HG23	1:433:A:SER:H	7	0.72
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG11	13	0.72
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG12	13	0.72
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG13	13	0.72
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG11	13	0.72
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG12	13	0.72
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG13	13	0.72
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG11	13	0.72
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG12	13	0.72
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG13	13	0.72
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG11	19	0.72
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG12	19	0.72
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG13	19	0.72
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG11	19	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG12	19	0.72
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG13	19	0.72
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG11	19	0.72
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG12	19	0.72
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG13	19	0.72
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	5	0.72
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	5	0.72
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	5	0.72
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	5	0.72
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	5	0.72
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	5	0.72
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	5	0.72
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	5	0.72
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	5	0.72
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG21	17	0.72
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG22	17	0.72
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG23	17	0.72
(1,768)	1:457:A:VAL:HG11	1:458:A:SER:HB2	8	0.72
(1,768)	1:457:A:VAL:HG12	1:458:A:SER:HB2	8	0.72
(1,768)	1:457:A:VAL:HG13	1:458:A:SER:HB2	8	0.72
(1,768)	1:457:A:VAL:HG21	1:458:A:SER:HB2	8	0.72
(1,768)	1:457:A:VAL:HG22	1:458:A:SER:HB2	8	0.72
(1,768)	1:457:A:VAL:HG23	1:458:A:SER:HB2	8	0.72
(1,738)	1:431:A:VAL:HG11	1:432:A:ILE:H	1	0.72
(1,738)	1:431:A:VAL:HG12	1:432:A:ILE:H	1	0.72
(1,738)	1:431:A:VAL:HG13	1:432:A:ILE:H	1	0.72
(1,738)	1:431:A:VAL:HG11	1:432:A:ILE:H	10	0.72
(1,738)	1:431:A:VAL:HG12	1:432:A:ILE:H	10	0.72
(1,738)	1:431:A:VAL:HG13	1:432:A:ILE:H	10	0.72
(1,724)	1:407:A:LEU:HB3	1:408:A:PHE:H	18	0.72
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG21	3	0.72
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG22	3	0.72
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG23	3	0.72
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	12	0.72
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	12	0.72
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	12	0.72
(1,700)	1:476:A:LEU:HD11	1:477:A:LYS:H	16	0.72
(1,700)	1:476:A:LEU:HD12	1:477:A:LYS:H	16	0.72
(1,700)	1:476:A:LEU:HD13	1:477:A:LYS:H	16	0.72
(1,700)	1:476:A:LEU:HD21	1:477:A:LYS:H	16	0.72
(1,700)	1:476:A:LEU:HD22	1:477:A:LYS:H	16	0.72
(1,700)	1:476:A:LEU:HD23	1:477:A:LYS:H	16	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG2	8	0.72
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG3	8	0.72
(1,629)	1:402:A:PRO:HD3	1:403:A:GLU:HB2	7	0.72
(1,579)	1:400:A:GLU:HB3	1:401:A:GLY:H	15	0.72
(1,563)	1:410:A:TYR:HB3	1:411:A:HIS:H	18	0.72
(1,553)	1:422:A:LEU:HA	1:425:A:PHE:H	6	0.72
(1,549)	1:403:A:GLU:HB3	1:404:A:GLY:H	13	0.72
(1,518)	1:430:A:ASN:HA	1:430:A:ASN:HD22	10	0.72
(1,482)	1:405:A:ALA:H	1:406:A:ASN:H	19	0.72
(1,482)	1:405:A:ALA:H	1:406:A:ASN:H	20	0.72
(1,481)	1:406:A:ASN:H	1:407:A:LEU:H	7	0.72
(1,481)	1:406:A:ASN:H	1:407:A:LEU:H	15	0.72
(1,466)	1:422:A:LEU:HB2	1:423:A:GLN:H	15	0.72
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD11	17	0.72
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD12	17	0.72
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD13	17	0.72
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD21	17	0.72
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD22	17	0.72
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD23	17	0.72
(1,446)	1:418:A:ASP:HB3	1:419:A:GLN:H	14	0.72
(1,408)	1:420:A:ASP:H	1:422:A:LEU:H	19	0.72
(1,373)	1:457:A:VAL:HB	1:458:A:SER:H	15	0.72
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG21	3	0.72
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG22	3	0.72
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG23	3	0.72
(1,349)	1:407:A:LEU:HB3	1:408:A:PHE:H	18	0.72
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG12	9	0.72
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG13	9	0.72
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG12	18	0.72
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG13	18	0.72
(1,181)	1:418:A:ASP:HB2	1:422:A:LEU:H	15	0.72
(1,152)	1:406:A:ASN:H	1:407:A:LEU:H	7	0.72
(1,152)	1:406:A:ASN:H	1:407:A:LEU:H	15	0.72
(1,128)	1:467:A:ASN:HA	1:469:A:PHE:H	12	0.72
(1,120)	1:473:A:MET:H	1:473:A:MET:HG3	10	0.72
(1,113)	1:476:A:LEU:HD11	1:477:A:LYS:H	16	0.72
(1,113)	1:476:A:LEU:HD12	1:477:A:LYS:H	16	0.72
(1,113)	1:476:A:LEU:HD13	1:477:A:LYS:H	16	0.72
(1,113)	1:476:A:LEU:HD21	1:477:A:LYS:H	16	0.72
(1,113)	1:476:A:LEU:HD22	1:477:A:LYS:H	16	0.72
(1,113)	1:476:A:LEU:HD23	1:477:A:LYS:H	16	0.72
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG21	17	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG22	17	0.72
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG23	17	0.72
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG2	8	0.72
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG3	8	0.72
(1,1598)	1:453:A:TYR:HE1	1:459:A:ALA:HA	6	0.71
(1,1598)	1:453:A:TYR:HE2	1:459:A:ALA:HA	6	0.71
(1,1588)	1:411:A:HIS:H	1:411:A:HIS:HD2	15	0.71
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG21	14	0.71
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG22	14	0.71
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG23	14	0.71
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD11	14	0.71
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD12	14	0.71
(1,1411)	1:409:A:ILE:HA	1:409:A:ILE:HD13	14	0.71
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	5	0.71
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	5	0.71
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	5	0.71
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	5	0.71
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	5	0.71
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	5	0.71
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	5	0.71
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	5	0.71
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	5	0.71
(1,1233)	1:419:A:GLN:HB2	1:420:A:ASP:H	18	0.71
(1,1233)	1:419:A:GLN:HB2	1:420:A:ASP:H	19	0.71
(1,1201)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	4	0.71
(1,1201)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	4	0.71
(1,1201)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	15	0.71
(1,1201)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	15	0.71
(1,1194)	1:403:A:GLU:HB3	1:404:A:GLY:H	6	0.71
(1,1194)	1:403:A:GLU:HB3	1:404:A:GLY:H	8	0.71
(1,1194)	1:403:A:GLU:HB3	1:404:A:GLY:H	20	0.71
(1,1191)	1:481:A:LYS:HB3	1:481:A:LYS:HD2	11	0.71
(1,1163)	1:453:A:TYR:HE1	1:459:A:ALA:HA	6	0.71
(1,1163)	1:453:A:TYR:HE2	1:459:A:ALA:HA	6	0.71
(1,1162)	1:453:A:TYR:HD1	1:459:A:ALA:HA	8	0.71
(1,1162)	1:453:A:TYR:HD2	1:459:A:ALA:HA	8	0.71
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB2	11	0.71
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB3	11	0.71
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB2	11	0.71
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB3	11	0.71
(1,1090)	1:419:A:GLN:HA	1:422:A:LEU:HB2	3	0.71
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	11	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	11	0.71
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	11	0.71
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	11	0.71
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	11	0.71
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	11	0.71
(1,1011)	1:425:A:PHE:HB3	1:426:A:MET:H	14	0.71
(1,1011)	1:425:A:PHE:HB3	1:426:A:MET:H	17	0.71
(1,1005)	1:425:A:PHE:HB2	1:426:A:MET:H	1	0.71
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG21	11	0.71
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG22	11	0.71
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG23	11	0.71
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB1	10	0.71
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB2	10	0.71
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB3	10	0.71
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB1	10	0.71
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB2	10	0.71
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB3	10	0.71
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	5	0.71
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	5	0.71
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	5	0.71
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	5	0.71
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	5	0.71
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	5	0.71
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	5	0.71
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	5	0.71
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	5	0.71
(1,940)	1:486:A:ASP:H	1:486:A:ASP:HB2	13	0.71
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	6	0.71
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	6	0.71
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	6	0.71
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	6	0.71
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	6	0.71
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	6	0.71
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	6	0.71
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	6	0.71
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	6	0.71
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB1	16	0.71
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB2	16	0.71
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB3	16	0.71
(1,803)	1:465:A:ALA:HB1	1:466:A:MET:HA	8	0.71
(1,803)	1:465:A:ALA:HB2	1:466:A:MET:HA	8	0.71
(1,803)	1:465:A:ALA:HB3	1:466:A:MET:HA	8	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:465:A:ALA:HB1	1:466:A:MET:HA	10	0.71
(1,803)	1:465:A:ALA:HB2	1:466:A:MET:HA	10	0.71
(1,803)	1:465:A:ALA:HB3	1:466:A:MET:HA	10	0.71
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG21	7	0.71
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG22	7	0.71
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG23	7	0.71
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG21	10	0.71
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG22	10	0.71
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG23	10	0.71
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD1	11	0.71
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD2	11	0.71
(1,549)	1:403:A:GLU:HB3	1:404:A:GLY:H	6	0.71
(1,549)	1:403:A:GLU:HB3	1:404:A:GLY:H	8	0.71
(1,549)	1:403:A:GLU:HB3	1:404:A:GLY:H	20	0.71
(1,534)	1:453:A:TYR:HD1	1:454:A:ASP:H	13	0.71
(1,534)	1:453:A:TYR:HD2	1:454:A:ASP:H	13	0.71
(1,482)	1:405:A:ALA:H	1:406:A:ASN:H	1	0.71
(1,482)	1:405:A:ALA:H	1:406:A:ASN:H	5	0.71
(1,482)	1:405:A:ALA:H	1:406:A:ASN:H	14	0.71
(1,381)	1:439:A:ASP:HB2	1:444:A:LEU:H	1	0.71
(1,379)	1:442:A:THR:HB	1:444:A:LEU:H	11	0.71
(1,366)	1:467:A:ASN:HB3	1:468:A:GLY:H	1	0.71
(1,317)	1:473:A:MET:HB3	1:474:A:LYS:H	13	0.71
(1,286)	1:435:A:LYS:H	1:450:A:PHE:H	20	0.71
(1,262)	1:486:A:ASP:H	1:486:A:ASP:HB2	13	0.71
(1,258)	1:435:A:LYS:H	1:436:A:VAL:H	11	0.71
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD1	9	0.71
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD2	9	0.71
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG21	7	0.71
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG22	7	0.71
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG23	7	0.71
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG21	10	0.71
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG22	10	0.71
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG23	10	0.71
(1,43)	1:438:A:ILE:H	1:439:A:ASP:H	7	0.71
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG21	11	0.71
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG22	11	0.71
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG23	11	0.71
(1,1583)	1:416:A:PHE:HD1	1:417:A:GLY:H	18	0.7
(1,1583)	1:416:A:PHE:HD2	1:417:A:GLY:H	18	0.7
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD1	1	0.7
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD2	1	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD1	1	0.7
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD2	1	0.7
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD1	1	0.7
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD2	1	0.7
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD1	1	0.7
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD2	1	0.7
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD1	1	0.7
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD2	1	0.7
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD1	1	0.7
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD2	1	0.7
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB1	14	0.7
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB2	14	0.7
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB3	14	0.7
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB1	14	0.7
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB2	14	0.7
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB3	14	0.7
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG21	10	0.7
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG22	10	0.7
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG23	10	0.7
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD2	8	0.7
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD3	8	0.7
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD2	8	0.7
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD3	8	0.7
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD1	5	0.7
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD2	5	0.7
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	10	0.7
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	10	0.7
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	10	0.7
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	10	0.7
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	10	0.7
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	10	0.7
(1,1319)	1:434:A:ALA:HB1	1:451:A:VAL:HA	8	0.7
(1,1319)	1:434:A:ALA:HB2	1:451:A:VAL:HA	8	0.7
(1,1319)	1:434:A:ALA:HB3	1:451:A:VAL:HA	8	0.7
(1,1240)	1:432:A:ILE:HG12	1:454:A:ASP:H	12	0.7
(1,1240)	1:432:A:ILE:HG13	1:454:A:ASP:H	12	0.7
(1,1194)	1:403:A:GLU:HB3	1:404:A:GLY:H	7	0.7
(1,1073)	1:432:A:ILE:HD11	1:454:A:ASP:H	16	0.7
(1,1073)	1:432:A:ILE:HD12	1:454:A:ASP:H	16	0.7
(1,1073)	1:432:A:ILE:HD13	1:454:A:ASP:H	16	0.7
(1,1011)	1:425:A:PHE:HB3	1:426:A:MET:H	10	0.7
(1,982)	1:437:A:PHE:HB2	1:438:A:ILE:HB	17	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG21	1	0.7
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG22	1	0.7
(1,957)	1:432:A:ILE:H	1:432:A:ILE:HG23	1	0.7
(1,838)	1:451:A:VAL:HG11	1:452:A:SER:H	2	0.7
(1,838)	1:451:A:VAL:HG12	1:452:A:SER:H	2	0.7
(1,838)	1:451:A:VAL:HG13	1:452:A:SER:H	2	0.7
(1,828)	1:401:A:GLY:HA2	1:402:A:PRO:HG3	4	0.7
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB1	14	0.7
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB2	14	0.7
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB3	14	0.7
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	6	0.7
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	6	0.7
(1,724)	1:407:A:LEU:HB3	1:408:A:PHE:H	4	0.7
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD11	17	0.7
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD12	17	0.7
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD13	17	0.7
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD21	17	0.7
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD22	17	0.7
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD23	17	0.7
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG2	17	0.7
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG3	17	0.7
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB2	5	0.7
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB3	5	0.7
(1,632)	1:476:A:LEU:H	1:476:A:LEU:HG	19	0.7
(1,549)	1:403:A:GLU:HB3	1:404:A:GLY:H	7	0.7
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB1	14	0.7
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB2	14	0.7
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB3	14	0.7
(1,446)	1:418:A:ASP:HB3	1:419:A:GLN:H	1	0.7
(1,412)	1:441:A:GLN:H	1:443:A:ASN:H	1	0.7
(1,412)	1:441:A:GLN:H	1:443:A:ASN:H	16	0.7
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB1	12	0.7
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB2	12	0.7
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB3	12	0.7
(1,349)	1:407:A:LEU:HB3	1:408:A:PHE:H	4	0.7
(1,324)	1:451:A:VAL:HG11	1:452:A:SER:H	2	0.7
(1,324)	1:451:A:VAL:HG12	1:452:A:SER:H	2	0.7
(1,324)	1:451:A:VAL:HG13	1:452:A:SER:H	2	0.7
(1,258)	1:435:A:LYS:H	1:436:A:VAL:H	18	0.7
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG12	19	0.7
(1,233)	1:438:A:ILE:H	1:438:A:ILE:HG13	19	0.7
(1,231)	1:437:A:PHE:HB3	1:438:A:ILE:H	18	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,207)	1:417:A:GLY:H	1:418:A:ASP:H	12	0.7
(1,206)	1:412:A:LEU:HD11	1:416:A:PHE:H	18	0.7
(1,206)	1:412:A:LEU:HD12	1:416:A:PHE:H	18	0.7
(1,206)	1:412:A:LEU:HD13	1:416:A:PHE:H	18	0.7
(1,206)	1:412:A:LEU:HD21	1:416:A:PHE:H	18	0.7
(1,206)	1:412:A:LEU:HD22	1:416:A:PHE:H	18	0.7
(1,206)	1:412:A:LEU:HD23	1:416:A:PHE:H	18	0.7
(1,192)	1:418:A:ASP:HB2	1:436:A:VAL:H	16	0.7
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB2	3	0.7
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB3	3	0.7
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD1	11	0.7
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD2	11	0.7
(1,107)	1:410:A:TYR:H	1:477:A:LYS:H	11	0.7
(1,101)	1:450:A:PHE:HB3	1:451:A:VAL:H	2	0.7
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG2	17	0.7
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG3	17	0.7
(1,78)	1:434:A:ALA:H	1:435:A:LYS:H	3	0.7
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG21	1	0.7
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG22	1	0.7
(1,16)	1:432:A:ILE:H	1:432:A:ILE:HG23	1	0.7
(1,1598)	1:453:A:TYR:HE1	1:459:A:ALA:HA	15	0.69
(1,1598)	1:453:A:TYR:HE2	1:459:A:ALA:HA	15	0.69
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD1	1	0.69
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD2	1	0.69
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD1	13	0.69
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD2	13	0.69
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	3	0.69
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	3	0.69
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	3	0.69
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	3	0.69
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	3	0.69
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	3	0.69
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	3	0.69
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	3	0.69
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	3	0.69
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	10	0.69
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	10	0.69
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	10	0.69
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	10	0.69
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	10	0.69
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	10	0.69
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	10	0.69
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	10	0.69
(1,1348)	1:475:A:ARG:HA	1:475:A:ARG:HD2	18	0.69
(1,1247)	1:412:A:LEU:HG	1:421:A:ILE:HG13	14	0.69
(1,1243)	1:407:A:LEU:HG	1:459:A:ALA:HA	20	0.69
(1,1237)	1:422:A:LEU:HG	1:423:A:GLN:H	6	0.69
(1,1230)	1:402:A:PRO:HG2	1:455:A:ASN:HA	13	0.69
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB2	2	0.69
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB3	2	0.69
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB2	2	0.69
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB3	2	0.69
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB2	2	0.69
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB3	2	0.69
(1,1201)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	8	0.69
(1,1201)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	8	0.69
(1,1165)	1:407:A:LEU:HG	1:459:A:ALA:HA	20	0.69
(1,1163)	1:453:A:TYR:HE1	1:459:A:ALA:HA	15	0.69
(1,1163)	1:453:A:TYR:HE2	1:459:A:ALA:HA	15	0.69
(1,1162)	1:453:A:TYR:HD1	1:459:A:ALA:HA	4	0.69
(1,1162)	1:453:A:TYR:HD2	1:459:A:ALA:HA	4	0.69
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB2	18	0.69
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB3	18	0.69
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB2	18	0.69
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB3	18	0.69
(1,1105)	1:463:A:ILE:HA	1:478:A:VAL:HB	7	0.69
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG21	10	0.69
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG22	10	0.69
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG23	10	0.69
(1,997)	1:485:A:ASN:HB2	1:486:A:ASP:H	6	0.69
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	3	0.69
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	3	0.69
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	3	0.69
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	3	0.69
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	3	0.69
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	3	0.69
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	3	0.69
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	3	0.69
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	3	0.69
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	10	0.69
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	10	0.69
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	10	0.69
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	10	0.69
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	10	0.69
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	10	0.69
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	10	0.69
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	10	0.69
(1,849)	1:405:A:ALA:HB1	1:454:A:ASP:H	11	0.69
(1,849)	1:405:A:ALA:HB2	1:454:A:ASP:H	11	0.69
(1,849)	1:405:A:ALA:HB3	1:454:A:ASP:H	11	0.69
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	2	0.69
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	2	0.69
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	2	0.69
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	2	0.69
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	2	0.69
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	2	0.69
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	2	0.69
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	2	0.69
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	2	0.69
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	20	0.69
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	20	0.69
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	20	0.69
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	20	0.69
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	20	0.69
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	20	0.69
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	20	0.69
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	20	0.69
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	20	0.69
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	5	0.69
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	5	0.69
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	5	0.69
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB1	7	0.69
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB2	7	0.69
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB3	7	0.69
(1,738)	1:431:A:VAL:HG11	1:432:A:ILE:H	18	0.69
(1,738)	1:431:A:VAL:HG12	1:432:A:ILE:H	18	0.69
(1,738)	1:431:A:VAL:HG13	1:432:A:ILE:H	18	0.69
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	18	0.69
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	18	0.69
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	18	0.69
(1,700)	1:476:A:LEU:HD11	1:477:A:LYS:H	13	0.69
(1,700)	1:476:A:LEU:HD12	1:477:A:LYS:H	13	0.69
(1,700)	1:476:A:LEU:HD13	1:477:A:LYS:H	13	0.69
(1,700)	1:476:A:LEU:HD21	1:477:A:LYS:H	13	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,700)	1:476:A:LEU:HD22	1:477:A:LYS:H	13	0.69
(1,700)	1:476:A:LEU:HD23	1:477:A:LYS:H	13	0.69
(1,688)	1:480:A:LEU:HD11	1:481:A:LYS:H	7	0.69
(1,688)	1:480:A:LEU:HD12	1:481:A:LYS:H	7	0.69
(1,688)	1:480:A:LEU:HD13	1:481:A:LYS:H	7	0.69
(1,688)	1:480:A:LEU:HD21	1:481:A:LYS:H	7	0.69
(1,688)	1:480:A:LEU:HD22	1:481:A:LYS:H	7	0.69
(1,688)	1:480:A:LEU:HD23	1:481:A:LYS:H	7	0.69
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG2	14	0.69
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG3	14	0.69
(1,614)	1:407:A:LEU:H	1:407:A:LEU:HG	1	0.69
(1,614)	1:407:A:LEU:H	1:407:A:LEU:HG	2	0.69
(1,534)	1:453:A:TYR:HD1	1:454:A:ASP:H	1	0.69
(1,534)	1:453:A:TYR:HD2	1:454:A:ASP:H	1	0.69
(1,533)	1:417:A:GLY:H	1:420:A:ASP:HB3	3	0.69
(1,482)	1:405:A:ALA:H	1:406:A:ASN:H	2	0.69
(1,482)	1:405:A:ALA:H	1:406:A:ASN:H	6	0.69
(1,482)	1:405:A:ALA:H	1:406:A:ASN:H	8	0.69
(1,466)	1:422:A:LEU:HB2	1:423:A:GLN:H	6	0.69
(1,168)	1:463:A:ILE:HD11	1:480:A:LEU:H	11	0.69
(1,168)	1:463:A:ILE:HD12	1:480:A:LEU:H	11	0.69
(1,168)	1:463:A:ILE:HD13	1:480:A:LEU:H	11	0.69
(1,148)	1:407:A:LEU:H	1:408:A:PHE:H	16	0.69
(1,113)	1:476:A:LEU:HD11	1:477:A:LYS:H	13	0.69
(1,113)	1:476:A:LEU:HD12	1:477:A:LYS:H	13	0.69
(1,113)	1:476:A:LEU:HD13	1:477:A:LYS:H	13	0.69
(1,113)	1:476:A:LEU:HD21	1:477:A:LYS:H	13	0.69
(1,113)	1:476:A:LEU:HD22	1:477:A:LYS:H	13	0.69
(1,113)	1:476:A:LEU:HD23	1:477:A:LYS:H	13	0.69
(1,91)	1:480:A:LEU:HD11	1:481:A:LYS:H	7	0.69
(1,91)	1:480:A:LEU:HD12	1:481:A:LYS:H	7	0.69
(1,91)	1:480:A:LEU:HD13	1:481:A:LYS:H	7	0.69
(1,91)	1:480:A:LEU:HD21	1:481:A:LYS:H	7	0.69
(1,91)	1:480:A:LEU:HD22	1:481:A:LYS:H	7	0.69
(1,91)	1:480:A:LEU:HD23	1:481:A:LYS:H	7	0.69
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG2	14	0.69
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG3	14	0.69
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	6	0.68
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	6	0.68
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	6	0.68
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	6	0.68
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	6	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	6	0.68
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB1	15	0.68
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB2	15	0.68
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB3	15	0.68
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB1	15	0.68
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB2	15	0.68
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB3	15	0.68
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD1	12	0.68
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD2	12	0.68
(1,1520)	1:434:A:ALA:HA	1:451:A:VAL:HA	2	0.68
(1,1485)	1:398:A:GLN:HA	1:398:A:GLN:HG3	19	0.68
(1,1469)	1:483:A:SER:HB2	1:484:A:LYS:HA	13	0.68
(1,1469)	1:483:A:SER:HB3	1:484:A:LYS:HA	13	0.68
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	6	0.68
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	6	0.68
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	6	0.68
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	6	0.68
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	6	0.68
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	6	0.68
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG21	12	0.68
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG22	12	0.68
(1,1295)	1:417:A:GLY:HA2	1:436:A:VAL:HG23	12	0.68
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG21	11	0.68
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG22	11	0.68
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG23	11	0.68
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG21	11	0.68
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG22	11	0.68
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG23	11	0.68
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG21	19	0.68
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG22	19	0.68
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG23	19	0.68
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG21	19	0.68
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG22	19	0.68
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG23	19	0.68
(1,1247)	1:412:A:LEU:HG	1:421:A:ILE:HG13	20	0.68
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB2	13	0.68
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB3	13	0.68
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB2	13	0.68
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB3	13	0.68
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB2	13	0.68
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB3	13	0.68
(1,1201)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	18	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1201)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	18	0.68
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	18	0.68
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	18	0.68
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	18	0.68
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	18	0.68
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	18	0.68
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	18	0.68
(1,1011)	1:425:A:PHE:HB3	1:426:A:MET:H	16	0.68
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB1	18	0.68
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB2	18	0.68
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB3	18	0.68
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB1	18	0.68
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB2	18	0.68
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB3	18	0.68
(1,885)	1:433:A:SER:HB2	1:434:A:ALA:H	19	0.68
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	1	0.68
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	1	0.68
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	1	0.68
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	1	0.68
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	1	0.68
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	1	0.68
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	1	0.68
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	1	0.68
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	1	0.68
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	4	0.68
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	4	0.68
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	4	0.68
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	4	0.68
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	4	0.68
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	4	0.68
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	4	0.68
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	4	0.68
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	4	0.68
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG11	7	0.68
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG12	7	0.68
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG13	7	0.68
(1,829)	1:450:A:PHE:H	1:450:A:PHE:HB2	12	0.68
(1,803)	1:465:A:ALA:HB1	1:466:A:MET:HA	13	0.68
(1,803)	1:465:A:ALA:HB2	1:466:A:MET:HA	13	0.68
(1,803)	1:465:A:ALA:HB3	1:466:A:MET:HA	13	0.68
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	14	0.68
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	14	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	18	0.68
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	18	0.68
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	12	0.68
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	12	0.68
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG2	3	0.68
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG3	3	0.68
(1,649)	1:407:A:LEU:HD11	1:479:A:GLN:HA	16	0.68
(1,649)	1:407:A:LEU:HD12	1:479:A:GLN:HA	16	0.68
(1,649)	1:407:A:LEU:HD13	1:479:A:GLN:HA	16	0.68
(1,649)	1:407:A:LEU:HD21	1:479:A:GLN:HA	16	0.68
(1,649)	1:407:A:LEU:HD22	1:479:A:GLN:HA	16	0.68
(1,649)	1:407:A:LEU:HD23	1:479:A:GLN:HA	16	0.68
(1,632)	1:476:A:LEU:H	1:476:A:LEU:HG	2	0.68
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG11	7	0.68
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG12	7	0.68
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG13	7	0.68
(1,600)	1:428:A:PHE:HB2	1:429:A:GLY:H	7	0.68
(1,563)	1:410:A:TYR:HB3	1:411:A:HIS:H	9	0.68
(1,546)	1:404:A:GLY:H	1:406:A:ASN:HD22	18	0.68
(1,481)	1:406:A:ASN:H	1:407:A:LEU:H	3	0.68
(1,446)	1:418:A:ASP:HB3	1:419:A:GLN:H	16	0.68
(1,373)	1:457:A:VAL:HB	1:458:A:SER:H	18	0.68
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG11	1	0.68
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG12	1	0.68
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG13	1	0.68
(1,220)	1:407:A:LEU:HD11	1:462:A:ALA:H	3	0.68
(1,220)	1:407:A:LEU:HD12	1:462:A:ALA:H	3	0.68
(1,220)	1:407:A:LEU:HD13	1:462:A:ALA:H	3	0.68
(1,220)	1:407:A:LEU:HD21	1:462:A:ALA:H	3	0.68
(1,220)	1:407:A:LEU:HD22	1:462:A:ALA:H	3	0.68
(1,220)	1:407:A:LEU:HD23	1:462:A:ALA:H	3	0.68
(1,152)	1:406:A:ASN:H	1:407:A:LEU:H	3	0.68
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD1	3	0.68
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD2	3	0.68
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD1	5	0.68
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD2	5	0.68
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD1	8	0.68
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD2	8	0.68
(1,100)	1:450:A:PHE:HD1	1:451:A:VAL:H	19	0.68
(1,100)	1:450:A:PHE:HD2	1:451:A:VAL:H	19	0.68
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG2	3	0.68
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG3	3	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,79)	1:433:A:SER:H	1:434:A:ALA:H	17	0.68
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD1	15	0.67
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD2	15	0.67
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD1	15	0.67
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD2	15	0.67
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD1	14	0.67
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD2	14	0.67
(1,1514)	1:409:A:ILE:HG12	1:478:A:VAL:HG11	12	0.67
(1,1514)	1:409:A:ILE:HG12	1:478:A:VAL:HG12	12	0.67
(1,1514)	1:409:A:ILE:HG12	1:478:A:VAL:HG13	12	0.67
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG11	4	0.67
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG12	4	0.67
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG13	4	0.67
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	9	0.67
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	9	0.67
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	9	0.67
(1,1194)	1:403:A:GLU:HB3	1:404:A:GLY:H	15	0.67
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG2	11	0.67
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG3	11	0.67
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD11	9	0.67
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD12	9	0.67
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD13	9	0.67
(1,1011)	1:425:A:PHE:HB3	1:426:A:MET:H	2	0.67
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	19	0.67
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	19	0.67
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	19	0.67
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	19	0.67
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	19	0.67
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	19	0.67
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	10	0.67
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	10	0.67
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	10	0.67
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	10	0.67
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	10	0.67
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	10	0.67
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	10	0.67
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	10	0.67
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	10	0.67
(1,803)	1:465:A:ALA:HB1	1:466:A:MET:HA	20	0.67
(1,803)	1:465:A:ALA:HB2	1:466:A:MET:HA	20	0.67
(1,803)	1:465:A:ALA:HB3	1:466:A:MET:HA	20	0.67
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	1	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	1	0.67
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	2	0.67
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	2	0.67
(1,763)	1:457:A:VAL:HG11	1:459:A:ALA:H	15	0.67
(1,763)	1:457:A:VAL:HG12	1:459:A:ALA:H	15	0.67
(1,763)	1:457:A:VAL:HG13	1:459:A:ALA:H	15	0.67
(1,763)	1:457:A:VAL:HG21	1:459:A:ALA:H	15	0.67
(1,763)	1:457:A:VAL:HG22	1:459:A:ALA:H	15	0.67
(1,763)	1:457:A:VAL:HG23	1:459:A:ALA:H	15	0.67
(1,738)	1:431:A:VAL:HG11	1:432:A:ILE:H	13	0.67
(1,738)	1:431:A:VAL:HG12	1:432:A:ILE:H	13	0.67
(1,738)	1:431:A:VAL:HG13	1:432:A:ILE:H	13	0.67
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	9	0.67
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	9	0.67
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	9	0.67
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	2	0.67
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	2	0.67
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	2	0.67
(1,638)	1:413:A:PRO:HD2	1:476:A:LEU:HG	18	0.67
(1,638)	1:413:A:PRO:HD3	1:476:A:LEU:HG	18	0.67
(1,632)	1:476:A:LEU:H	1:476:A:LEU:HG	5	0.67
(1,579)	1:400:A:GLU:HB3	1:401:A:GLY:H	2	0.67
(1,579)	1:400:A:GLU:HB3	1:401:A:GLY:H	8	0.67
(1,549)	1:403:A:GLU:HB3	1:404:A:GLY:H	15	0.67
(1,446)	1:418:A:ASP:HB3	1:419:A:GLN:H	19	0.67
(1,258)	1:435:A:LYS:H	1:436:A:VAL:H	13	0.67
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD1	11	0.67
(1,202)	1:416:A:PHE:H	1:416:A:PHE:HD2	11	0.67
(1,148)	1:407:A:LEU:H	1:408:A:PHE:H	13	0.67
(1,139)	1:409:A:ILE:H	1:410:A:TYR:H	14	0.67
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD1	2	0.67
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD2	2	0.67
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD1	13	0.67
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD2	13	0.67
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD1	20	0.67
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD2	20	0.67
(1,43)	1:438:A:ILE:H	1:439:A:ASP:H	1	0.67
(1,21)	1:424:A:MET:H	1:426:A:MET:H	19	0.67
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD1	20	0.66
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD2	20	0.66
(1,1492)	1:461:A:ALA:HB1	1:462:A:ALA:HA	16	0.66
(1,1492)	1:461:A:ALA:HB2	1:462:A:ALA:HA	16	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1492)	1:461:A:ALA:HB3	1:462:A:ALA:HA	16	0.66
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG21	1	0.66
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG22	1	0.66
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG23	1	0.66
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG21	1	0.66
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG22	1	0.66
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG23	1	0.66
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG21	10	0.66
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG22	10	0.66
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG23	10	0.66
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD11	17	0.66
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD12	17	0.66
(1,1440)	1:432:A:ILE:HA	1:432:A:ILE:HD13	17	0.66
(1,1322)	1:436:A:VAL:HG11	1:448:A:PHE:HA	9	0.66
(1,1322)	1:436:A:VAL:HG12	1:448:A:PHE:HA	9	0.66
(1,1322)	1:436:A:VAL:HG13	1:448:A:PHE:HA	9	0.66
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG21	18	0.66
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG22	18	0.66
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG23	18	0.66
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG21	18	0.66
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG22	18	0.66
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG23	18	0.66
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	5	0.66
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	5	0.66
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	5	0.66
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	5	0.66
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	5	0.66
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	5	0.66
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	5	0.66
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	5	0.66
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	5	0.66
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	5	0.66
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	5	0.66
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	5	0.66
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	11	0.66
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	11	0.66
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	11	0.66
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	11	0.66
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	11	0.66
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	11	0.66
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	11	0.66
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	11	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	11	0.66
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	11	0.66
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	11	0.66
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	11	0.66
(1,1233)	1:419:A:GLN:HB2	1:420:A:ASP:H	2	0.66
(1,1233)	1:419:A:GLN:HB2	1:420:A:ASP:H	8	0.66
(1,1160)	1:459:A:ALA:HA	1:462:A:ALA:H	8	0.66
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD11	1	0.66
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD12	1	0.66
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD13	1	0.66
(1,1005)	1:425:A:PHE:HB2	1:426:A:MET:H	13	0.66
(1,1005)	1:425:A:PHE:HB2	1:426:A:MET:H	18	0.66
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD11	17	0.66
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD12	17	0.66
(1,981)	1:432:A:ILE:HA	1:432:A:ILE:HD13	17	0.66
(1,960)	1:432:A:ILE:HG21	1:433:A:SER:H	3	0.66
(1,960)	1:432:A:ILE:HG22	1:433:A:SER:H	3	0.66
(1,960)	1:432:A:ILE:HG23	1:433:A:SER:H	3	0.66
(1,949)	1:461:A:ALA:HB1	1:462:A:ALA:HA	16	0.66
(1,949)	1:461:A:ALA:HB2	1:462:A:ALA:HA	16	0.66
(1,949)	1:461:A:ALA:HB3	1:462:A:ALA:HA	16	0.66
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	15	0.66
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	15	0.66
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	7	0.66
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	7	0.66
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	7	0.66
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	7	0.66
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	7	0.66
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	7	0.66
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	7	0.66
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	7	0.66
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	7	0.66
(1,883)	1:453:A:TYR:HB3	1:454:A:ASP:H	6	0.66
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB1	8	0.66
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB2	8	0.66
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB3	8	0.66
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB1	11	0.66
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB2	11	0.66
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB3	11	0.66
(1,803)	1:465:A:ALA:HB1	1:466:A:MET:HA	11	0.66
(1,803)	1:465:A:ALA:HB2	1:466:A:MET:HA	11	0.66
(1,803)	1:465:A:ALA:HB3	1:466:A:MET:HA	11	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	7	0.66
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	7	0.66
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	7	0.66
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	7	0.66
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	7	0.66
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	7	0.66
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	7	0.66
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	7	0.66
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	7	0.66
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD2	7	0.66
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD3	7	0.66
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD2	7	0.66
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD3	7	0.66
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD2	7	0.66
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD3	7	0.66
(1,660)	1:406:A:ASN:H	1:480:A:LEU:HG	11	0.66
(1,614)	1:407:A:LEU:H	1:407:A:LEU:HG	13	0.66
(1,563)	1:410:A:TYR:HB3	1:411:A:HIS:H	5	0.66
(1,563)	1:410:A:TYR:HB3	1:411:A:HIS:H	19	0.66
(1,542)	1:453:A:TYR:HB3	1:454:A:ASP:H	6	0.66
(1,534)	1:453:A:TYR:HD1	1:454:A:ASP:H	2	0.66
(1,534)	1:453:A:TYR:HD2	1:454:A:ASP:H	2	0.66
(1,482)	1:405:A:ALA:H	1:406:A:ASN:H	7	0.66
(1,446)	1:418:A:ASP:HB3	1:419:A:GLN:H	9	0.66
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD11	5	0.66
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD12	5	0.66
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD13	5	0.66
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD21	5	0.66
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD22	5	0.66
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD23	5	0.66
(1,329)	1:402:A:PRO:HG2	1:403:A:GLU:H	8	0.66
(1,214)	1:459:A:ALA:HA	1:462:A:ALA:H	8	0.66
(1,209)	1:418:A:ASP:H	1:420:A:ASP:HB3	8	0.66
(1,207)	1:417:A:GLY:H	1:418:A:ASP:H	17	0.66
(1,148)	1:407:A:LEU:H	1:408:A:PHE:H	6	0.66
(1,43)	1:438:A:ILE:H	1:439:A:ASP:H	18	0.66
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD1	16	0.65
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD2	16	0.65
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD1	1	0.65
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD2	1	0.65
(1,1464)	1:431:A:VAL:HA	1:453:A:TYR:HA	13	0.65
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	2	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	2	0.65
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	2	0.65
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	2	0.65
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	2	0.65
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	2	0.65
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD11	14	0.65
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD12	14	0.65
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD13	14	0.65
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD11	14	0.65
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD12	14	0.65
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD13	14	0.65
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD11	14	0.65
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD12	14	0.65
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD13	14	0.65
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD11	14	0.65
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD12	14	0.65
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD13	14	0.65
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD11	14	0.65
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD12	14	0.65
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD13	14	0.65
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD11	14	0.65
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD12	14	0.65
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD13	14	0.65
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB1	13	0.65
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB2	13	0.65
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB3	13	0.65
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB1	13	0.65
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB2	13	0.65
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB3	13	0.65
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB1	13	0.65
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB2	13	0.65
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB3	13	0.65
(1,1349)	1:474:A:LYS:HD2	1:475:A:ARG:HD2	13	0.65
(1,1349)	1:474:A:LYS:HD3	1:475:A:ARG:HD2	13	0.65
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG21	14	0.65
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG22	14	0.65
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG23	14	0.65
(1,1201)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	9	0.65
(1,1201)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	9	0.65
(1,1201)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	19	0.65
(1,1201)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	19	0.65
(1,1194)	1:403:A:GLU:HB3	1:404:A:GLY:H	4	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1031)	1:430:A:ASN:HB2	1:431:A:VAL:H	17	0.65
(1,1031)	1:430:A:ASN:HB3	1:431:A:VAL:H	17	0.65
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD11	10	0.65
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD12	10	0.65
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD13	10	0.65
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD11	10	0.65
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD12	10	0.65
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD13	10	0.65
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD11	10	0.65
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD12	10	0.65
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD13	10	0.65
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD11	10	0.65
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD12	10	0.65
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD13	10	0.65
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD11	10	0.65
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD12	10	0.65
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD13	10	0.65
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD11	10	0.65
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD12	10	0.65
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD13	10	0.65
(1,1011)	1:425:A:PHE:HB3	1:426:A:MET:H	6	0.65
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB1	9	0.65
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB2	9	0.65
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB3	9	0.65
(1,997)	1:485:A:ASN:HB2	1:486:A:ASP:H	11	0.65
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	8	0.65
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	8	0.65
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	8	0.65
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	8	0.65
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	8	0.65
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	8	0.65
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB1	13	0.65
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB2	13	0.65
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB3	13	0.65
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB1	2	0.65
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB2	2	0.65
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB3	2	0.65
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB1	2	0.65
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB2	2	0.65
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB3	2	0.65
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB1	2	0.65
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB2	2	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB3	2	0.65
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG21	8	0.65
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG22	8	0.65
(1,778)	1:451:A:VAL:H	1:451:A:VAL:HG23	8	0.65
(1,700)	1:476:A:LEU:HD11	1:477:A:LYS:H	1	0.65
(1,700)	1:476:A:LEU:HD12	1:477:A:LYS:H	1	0.65
(1,700)	1:476:A:LEU:HD13	1:477:A:LYS:H	1	0.65
(1,700)	1:476:A:LEU:HD21	1:477:A:LYS:H	1	0.65
(1,700)	1:476:A:LEU:HD22	1:477:A:LYS:H	1	0.65
(1,700)	1:476:A:LEU:HD23	1:477:A:LYS:H	1	0.65
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG2	13	0.65
(1,677)	1:481:A:LYS:H	1:481:A:LYS:HG3	13	0.65
(1,676)	1:481:A:LYS:HG2	1:482:A:ARG:H	11	0.65
(1,676)	1:481:A:LYS:HG3	1:482:A:ARG:H	11	0.65
(1,579)	1:400:A:GLU:HB3	1:401:A:GLY:H	1	0.65
(1,549)	1:403:A:GLU:HB3	1:404:A:GLY:H	4	0.65
(1,534)	1:453:A:TYR:HD1	1:454:A:ASP:H	14	0.65
(1,534)	1:453:A:TYR:HD2	1:454:A:ASP:H	14	0.65
(1,482)	1:405:A:ALA:H	1:406:A:ASN:H	9	0.65
(1,482)	1:405:A:ALA:H	1:406:A:ASN:H	11	0.65
(1,482)	1:405:A:ALA:H	1:406:A:ASN:H	17	0.65
(1,373)	1:457:A:VAL:HB	1:458:A:SER:H	9	0.65
(1,358)	1:460:A:GLN:HA	1:463:A:ILE:H	7	0.65
(1,148)	1:407:A:LEU:H	1:408:A:PHE:H	7	0.65
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD1	6	0.65
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD2	6	0.65
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD1	10	0.65
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD2	10	0.65
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD1	18	0.65
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD2	18	0.65
(1,113)	1:476:A:LEU:HD11	1:477:A:LYS:H	1	0.65
(1,113)	1:476:A:LEU:HD12	1:477:A:LYS:H	1	0.65
(1,113)	1:476:A:LEU:HD13	1:477:A:LYS:H	1	0.65
(1,113)	1:476:A:LEU:HD21	1:477:A:LYS:H	1	0.65
(1,113)	1:476:A:LEU:HD22	1:477:A:LYS:H	1	0.65
(1,113)	1:476:A:LEU:HD23	1:477:A:LYS:H	1	0.65
(1,107)	1:410:A:TYR:H	1:477:A:LYS:H	15	0.65
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG21	8	0.65
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG22	8	0.65
(1,97)	1:451:A:VAL:H	1:451:A:VAL:HG23	8	0.65
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG2	13	0.65
(1,90)	1:481:A:LYS:H	1:481:A:LYS:HG3	13	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,57)	1:470:A:GLN:HG2	1:471:A:ILE:H	4	0.65
(1,57)	1:470:A:GLN:HG3	1:471:A:ILE:H	4	0.65
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD1	18	0.64
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD2	18	0.64
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD1	18	0.64
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD2	18	0.64
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD1	18	0.64
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD2	18	0.64
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD1	18	0.64
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD2	18	0.64
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD1	18	0.64
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD2	18	0.64
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD1	18	0.64
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD2	18	0.64
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD1	18	0.64
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD2	18	0.64
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD1	16	0.64
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD2	16	0.64
(1,1520)	1:434:A:ALA:HA	1:451:A:VAL:HA	20	0.64
(1,1506)	1:426:A:MET:HE1	1:430:A:ASN:HA	15	0.64
(1,1506)	1:426:A:MET:HE2	1:430:A:ASN:HA	15	0.64
(1,1506)	1:426:A:MET:HE3	1:430:A:ASN:HA	15	0.64
(1,1348)	1:475:A:ARG:HA	1:475:A:ARG:HD2	4	0.64
(1,1319)	1:434:A:ALA:HB1	1:451:A:VAL:HA	7	0.64
(1,1319)	1:434:A:ALA:HB2	1:451:A:VAL:HA	7	0.64
(1,1319)	1:434:A:ALA:HB3	1:451:A:VAL:HA	7	0.64
(1,1219)	1:414:A:GLN:HB2	1:415:A:GLU:H	19	0.64
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD11	6	0.64
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD12	6	0.64
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD13	6	0.64
(1,1160)	1:459:A:ALA:HA	1:462:A:ALA:H	14	0.64
(1,1122)	1:408:A:PHE:HA	1:449:A:GLY:H	7	0.64
(1,1104)	1:441:A:GLN:HA	1:441:A:GLN:HG2	18	0.64
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG21	18	0.64
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG22	18	0.64
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG23	18	0.64
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG21	20	0.64
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG22	20	0.64
(1,1086)	1:460:A:GLN:HA	1:463:A:ILE:HG23	20	0.64
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB1	5	0.64
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB2	5	0.64
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB3	5	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB1	5	0.64
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB2	5	0.64
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB3	5	0.64
(1,939)	1:486:A:ASP:H	1:486:A:ASP:HB3	15	0.64
(1,918)	1:422:A:LEU:HB3	1:434:A:ALA:HB1	17	0.64
(1,918)	1:422:A:LEU:HB3	1:434:A:ALA:HB2	17	0.64
(1,918)	1:422:A:LEU:HB3	1:434:A:ALA:HB3	17	0.64
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	10	0.64
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	10	0.64
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	12	0.64
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	12	0.64
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB1	10	0.64
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB2	10	0.64
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB3	10	0.64
(1,803)	1:465:A:ALA:HB1	1:466:A:MET:HA	2	0.64
(1,803)	1:465:A:ALA:HB2	1:466:A:MET:HA	2	0.64
(1,803)	1:465:A:ALA:HB3	1:466:A:MET:HA	2	0.64
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG21	3	0.64
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG22	3	0.64
(1,754)	1:435:A:LYS:HA	1:436:A:VAL:HG23	3	0.64
(1,738)	1:431:A:VAL:HG11	1:432:A:ILE:H	3	0.64
(1,738)	1:431:A:VAL:HG12	1:432:A:ILE:H	3	0.64
(1,738)	1:431:A:VAL:HG13	1:432:A:ILE:H	3	0.64
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB2	16	0.64
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB3	16	0.64
(1,647)	1:407:A:LEU:HD11	1:408:A:PHE:H	17	0.64
(1,647)	1:407:A:LEU:HD12	1:408:A:PHE:H	17	0.64
(1,647)	1:407:A:LEU:HD13	1:408:A:PHE:H	17	0.64
(1,647)	1:407:A:LEU:HD21	1:408:A:PHE:H	17	0.64
(1,647)	1:407:A:LEU:HD22	1:408:A:PHE:H	17	0.64
(1,647)	1:407:A:LEU:HD23	1:408:A:PHE:H	17	0.64
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG11	19	0.64
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG12	19	0.64
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG13	19	0.64
(1,482)	1:405:A:ALA:H	1:406:A:ASN:H	4	0.64
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB1	3	0.64
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB2	3	0.64
(1,461)	1:423:A:GLN:H	1:434:A:ALA:HB3	3	0.64
(1,446)	1:418:A:ASP:HB3	1:419:A:GLN:H	13	0.64
(1,373)	1:457:A:VAL:HB	1:458:A:SER:H	12	0.64
(1,352)	1:407:A:LEU:HD11	1:408:A:PHE:H	17	0.64
(1,352)	1:407:A:LEU:HD12	1:408:A:PHE:H	17	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,352)	1:407:A:LEU:HD13	1:408:A:PHE:H	17	0.64
(1,352)	1:407:A:LEU:HD21	1:408:A:PHE:H	17	0.64
(1,352)	1:407:A:LEU:HD22	1:408:A:PHE:H	17	0.64
(1,352)	1:407:A:LEU:HD23	1:408:A:PHE:H	17	0.64
(1,278)	1:453:A:TYR:HD1	1:459:A:ALA:H	10	0.64
(1,278)	1:453:A:TYR:HD2	1:459:A:ALA:H	10	0.64
(1,261)	1:486:A:ASP:H	1:486:A:ASP:HB3	15	0.64
(1,258)	1:435:A:LYS:H	1:436:A:VAL:H	5	0.64
(1,214)	1:459:A:ALA:HA	1:462:A:ALA:H	14	0.64
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD1	7	0.64
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD2	7	0.64
(1,78)	1:434:A:ALA:H	1:435:A:LYS:H	17	0.64
(1,35)	1:467:A:ASN:HB2	1:478:A:VAL:H	6	0.64
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD1	13	0.63
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD2	13	0.63
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD1	13	0.63
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD2	13	0.63
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD1	13	0.63
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD2	13	0.63
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD1	13	0.63
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD2	13	0.63
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD1	13	0.63
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD2	13	0.63
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD1	13	0.63
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD2	13	0.63
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD1	20	0.63
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD2	20	0.63
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD1	20	0.63
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD2	20	0.63
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD1	20	0.63
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD2	20	0.63
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD1	20	0.63
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD2	20	0.63
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD1	20	0.63
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD2	20	0.63
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD1	20	0.63
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD2	20	0.63
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD1	18	0.63
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD2	18	0.63
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD1	18	0.63
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD2	18	0.63
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	10	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	10	0.63
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	10	0.63
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	10	0.63
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	10	0.63
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	10	0.63
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB1	10	0.63
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB2	10	0.63
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB3	10	0.63
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB1	10	0.63
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB2	10	0.63
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB3	10	0.63
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD11	8	0.63
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD12	8	0.63
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD13	8	0.63
(1,1498)	1:428:A:PHE:HE1	1:465:A:ALA:HA	12	0.63
(1,1498)	1:428:A:PHE:HE2	1:465:A:ALA:HA	12	0.63
(1,1459)	1:414:A:GLN:HA	1:414:A:GLN:HG3	9	0.63
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD11	10	0.63
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD12	10	0.63
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD13	10	0.63
(1,1247)	1:412:A:LEU:HG	1:421:A:ILE:HG13	10	0.63
(1,1233)	1:419:A:GLN:HB2	1:420:A:ASP:H	1	0.63
(1,1230)	1:402:A:PRO:HG2	1:455:A:ASN:HA	18	0.63
(1,1159)	1:459:A:ALA:HA	1:461:A:ALA:HA	5	0.63
(1,1089)	1:419:A:GLN:HA	1:422:A:LEU:HB3	4	0.63
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG21	1	0.63
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG22	1	0.63
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG23	1	0.63
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG21	1	0.63
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG22	1	0.63
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG23	1	0.63
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG21	1	0.63
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG22	1	0.63
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG23	1	0.63
(1,1005)	1:425:A:PHE:HB2	1:426:A:MET:H	8	0.63
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG21	2	0.63
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG22	2	0.63
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG23	2	0.63
(1,960)	1:432:A:ILE:HG21	1:433:A:SER:H	4	0.63
(1,960)	1:432:A:ILE:HG22	1:433:A:SER:H	4	0.63
(1,960)	1:432:A:ILE:HG23	1:433:A:SER:H	4	0.63
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB1	4	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB2	4	0.63
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB3	4	0.63
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB1	4	0.63
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB2	4	0.63
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB3	4	0.63
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB1	16	0.63
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB2	16	0.63
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB3	16	0.63
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB1	16	0.63
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB2	16	0.63
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB3	16	0.63
(1,860)	1:409:A:ILE:HG21	1:450:A:PHE:H	1	0.63
(1,860)	1:409:A:ILE:HG22	1:450:A:PHE:H	1	0.63
(1,860)	1:409:A:ILE:HG23	1:450:A:PHE:H	1	0.63
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	17	0.63
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	17	0.63
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	17	0.63
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	17	0.63
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	17	0.63
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	17	0.63
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	17	0.63
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	17	0.63
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	17	0.63
(1,828)	1:401:A:GLY:HA2	1:402:A:PRO:HG3	2	0.63
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD2	14	0.63
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD3	14	0.63
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD2	14	0.63
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD3	14	0.63
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD2	14	0.63
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD3	14	0.63
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG2	7	0.63
(1,680)	1:477:A:LYS:H	1:477:A:LYS:HG3	7	0.63
(1,645)	1:407:A:LEU:HD11	1:451:A:VAL:H	1	0.63
(1,645)	1:407:A:LEU:HD12	1:451:A:VAL:H	1	0.63
(1,645)	1:407:A:LEU:HD13	1:451:A:VAL:H	1	0.63
(1,645)	1:407:A:LEU:HD21	1:451:A:VAL:H	1	0.63
(1,645)	1:407:A:LEU:HD22	1:451:A:VAL:H	1	0.63
(1,645)	1:407:A:LEU:HD23	1:451:A:VAL:H	1	0.63
(1,605)	1:426:A:MET:HA	1:429:A:GLY:H	1	0.63
(1,534)	1:453:A:TYR:HD1	1:454:A:ASP:H	5	0.63
(1,534)	1:453:A:TYR:HD2	1:454:A:ASP:H	5	0.63
(1,518)	1:430:A:ASN:HA	1:430:A:ASN:HD22	5	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,446)	1:418:A:ASP:HB3	1:419:A:GLN:H	5	0.63
(1,369)	1:482:A:ARG:HB3	1:483:A:SER:H	11	0.63
(1,363)	1:407:A:LEU:HD11	1:463:A:ILE:H	1	0.63
(1,363)	1:407:A:LEU:HD12	1:463:A:ILE:H	1	0.63
(1,363)	1:407:A:LEU:HD13	1:463:A:ILE:H	1	0.63
(1,363)	1:407:A:LEU:HD21	1:463:A:ILE:H	1	0.63
(1,363)	1:407:A:LEU:HD22	1:463:A:ILE:H	1	0.63
(1,363)	1:407:A:LEU:HD23	1:463:A:ILE:H	1	0.63
(1,231)	1:437:A:PHE:HB3	1:438:A:ILE:H	14	0.63
(1,171)	1:483:A:SER:H	1:484:A:LYS:H	13	0.63
(1,148)	1:407:A:LEU:H	1:408:A:PHE:H	20	0.63
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD1	19	0.63
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD2	19	0.63
(1,1)	1:469:A:PHE:HD1	1:470:A:GLN:H	13	0.63
(1,1)	1:469:A:PHE:HD2	1:470:A:GLN:H	13	0.63
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD1	10	0.62
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD2	10	0.62
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD1	10	0.62
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD2	10	0.62
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD1	10	0.62
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD2	10	0.62
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD1	10	0.62
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD2	10	0.62
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD1	10	0.62
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD2	10	0.62
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD1	10	0.62
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD2	10	0.62
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD11	3	0.62
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD12	3	0.62
(1,1443)	1:438:A:ILE:HA	1:438:A:ILE:HD13	3	0.62
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG11	12	0.62
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG12	12	0.62
(1,1333)	1:407:A:LEU:HB3	1:451:A:VAL:HG13	12	0.62
(1,1240)	1:432:A:ILE:HG12	1:454:A:ASP:H	19	0.62
(1,1240)	1:432:A:ILE:HG13	1:454:A:ASP:H	19	0.62
(1,1230)	1:402:A:PRO:HG2	1:455:A:ASN:HA	14	0.62
(1,1201)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	12	0.62
(1,1201)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	12	0.62
(1,1181)	1:479:A:GLN:HA	1:480:A:LEU:HG	20	0.62
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD11	3	0.62
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD12	3	0.62
(1,1109)	1:438:A:ILE:HA	1:438:A:ILE:HD13	3	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	16	0.62
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	16	0.62
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	16	0.62
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	16	0.62
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	16	0.62
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	16	0.62
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB1	17	0.62
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB2	17	0.62
(1,1009)	1:458:A:SER:HA	1:461:A:ALA:HB3	17	0.62
(1,975)	1:438:A:ILE:HG21	1:439:A:ASP:H	9	0.62
(1,975)	1:438:A:ILE:HG22	1:439:A:ASP:H	9	0.62
(1,975)	1:438:A:ILE:HG23	1:439:A:ASP:H	9	0.62
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	14	0.62
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	14	0.62
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	14	0.62
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	14	0.62
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	14	0.62
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	14	0.62
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	14	0.62
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	14	0.62
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	14	0.62
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB2	9	0.62
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB3	9	0.62
(1,700)	1:476:A:LEU:HD11	1:477:A:LYS:H	10	0.62
(1,700)	1:476:A:LEU:HD12	1:477:A:LYS:H	10	0.62
(1,700)	1:476:A:LEU:HD13	1:477:A:LYS:H	10	0.62
(1,700)	1:476:A:LEU:HD21	1:477:A:LYS:H	10	0.62
(1,700)	1:476:A:LEU:HD22	1:477:A:LYS:H	10	0.62
(1,700)	1:476:A:LEU:HD23	1:477:A:LYS:H	10	0.62
(1,649)	1:407:A:LEU:HD11	1:479:A:GLN:HA	7	0.62
(1,649)	1:407:A:LEU:HD12	1:479:A:GLN:HA	7	0.62
(1,649)	1:407:A:LEU:HD13	1:479:A:GLN:HA	7	0.62
(1,649)	1:407:A:LEU:HD21	1:479:A:GLN:HA	7	0.62
(1,649)	1:407:A:LEU:HD22	1:479:A:GLN:HA	7	0.62
(1,649)	1:407:A:LEU:HD23	1:479:A:GLN:HA	7	0.62
(1,593)	1:421:A:ILE:HD11	1:449:A:GLY:H	13	0.62
(1,593)	1:421:A:ILE:HD12	1:449:A:GLY:H	13	0.62
(1,593)	1:421:A:ILE:HD13	1:449:A:GLY:H	13	0.62
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG21	10	0.62
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG22	10	0.62
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG23	10	0.62
(1,518)	1:430:A:ASN:HA	1:430:A:ASN:HD22	2	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,482)	1:405:A:ALA:H	1:406:A:ASN:H	15	0.62
(1,481)	1:406:A:ASN:H	1:407:A:LEU:H	6	0.62
(1,478)	1:444:A:LEU:HB2	1:445:A:SER:H	10	0.62
(1,446)	1:418:A:ASP:HB3	1:419:A:GLN:H	10	0.62
(1,400)	1:426:A:MET:HE1	1:430:A:ASN:H	8	0.62
(1,400)	1:426:A:MET:HE2	1:430:A:ASN:H	8	0.62
(1,400)	1:426:A:MET:HE3	1:430:A:ASN:H	8	0.62
(1,281)	1:455:A:ASN:HB3	1:459:A:ALA:H	14	0.62
(1,192)	1:418:A:ASP:HB2	1:436:A:VAL:H	2	0.62
(1,152)	1:406:A:ASN:H	1:407:A:LEU:H	6	0.62
(1,148)	1:407:A:LEU:H	1:408:A:PHE:H	2	0.62
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD1	17	0.62
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD2	17	0.62
(1,113)	1:476:A:LEU:HD11	1:477:A:LYS:H	10	0.62
(1,113)	1:476:A:LEU:HD12	1:477:A:LYS:H	10	0.62
(1,113)	1:476:A:LEU:HD13	1:477:A:LYS:H	10	0.62
(1,113)	1:476:A:LEU:HD21	1:477:A:LYS:H	10	0.62
(1,113)	1:476:A:LEU:HD22	1:477:A:LYS:H	10	0.62
(1,113)	1:476:A:LEU:HD23	1:477:A:LYS:H	10	0.62
(1,1598)	1:453:A:TYR:HE1	1:459:A:ALA:HA	17	0.61
(1,1598)	1:453:A:TYR:HE2	1:459:A:ALA:HA	17	0.61
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD1	4	0.61
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD2	4	0.61
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD1	4	0.61
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD2	4	0.61
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD1	4	0.61
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD2	4	0.61
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD1	4	0.61
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD2	4	0.61
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD1	4	0.61
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD2	4	0.61
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD1	4	0.61
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD2	4	0.61
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	5	0.61
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	5	0.61
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	5	0.61
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	5	0.61
(1,1520)	1:434:A:ALA:HA	1:451:A:VAL:HA	10	0.61
(1,1485)	1:398:A:GLN:HA	1:398:A:GLN:HG3	8	0.61
(1,1485)	1:398:A:GLN:HA	1:398:A:GLN:HG3	15	0.61
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB1	3	0.61
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB2	3	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB3	3	0.61
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB1	3	0.61
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB2	3	0.61
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB3	3	0.61
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD11	8	0.61
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD12	8	0.61
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD13	8	0.61
(1,1347)	1:475:A:ARG:HA	1:475:A:ARG:HD3	6	0.61
(1,1219)	1:414:A:GLN:HB2	1:415:A:GLU:H	4	0.61
(1,1201)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	14	0.61
(1,1201)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	14	0.61
(1,1194)	1:403:A:GLU:HB3	1:404:A:GLY:H	12	0.61
(1,1194)	1:403:A:GLU:HB3	1:404:A:GLY:H	14	0.61
(1,1163)	1:453:A:TYR:HE1	1:459:A:ALA:HA	17	0.61
(1,1163)	1:453:A:TYR:HE2	1:459:A:ALA:HA	17	0.61
(1,1011)	1:425:A:PHE:HB3	1:426:A:MET:H	11	0.61
(1,1005)	1:425:A:PHE:HB2	1:426:A:MET:H	10	0.61
(1,960)	1:432:A:ILE:HG21	1:433:A:SER:H	14	0.61
(1,960)	1:432:A:ILE:HG22	1:433:A:SER:H	14	0.61
(1,960)	1:432:A:ILE:HG23	1:433:A:SER:H	14	0.61
(1,939)	1:486:A:ASP:H	1:486:A:ASP:HB3	14	0.61
(1,922)	1:455:A:ASN:HB3	1:458:A:SER:H	15	0.61
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	19	0.61
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	19	0.61
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB1	15	0.61
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB2	15	0.61
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB3	15	0.61
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB1	15	0.61
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB2	15	0.61
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB3	15	0.61
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB1	15	0.61
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB2	15	0.61
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB3	15	0.61
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	3	0.61
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	3	0.61
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	3	0.61
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	3	0.61
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	3	0.61
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	3	0.61
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	3	0.61
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	3	0.61
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	3	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,688)	1:480:A:LEU:HD11	1:481:A:LYS:H	12	0.61
(1,688)	1:480:A:LEU:HD12	1:481:A:LYS:H	12	0.61
(1,688)	1:480:A:LEU:HD13	1:481:A:LYS:H	12	0.61
(1,688)	1:480:A:LEU:HD21	1:481:A:LYS:H	12	0.61
(1,688)	1:480:A:LEU:HD22	1:481:A:LYS:H	12	0.61
(1,688)	1:480:A:LEU:HD23	1:481:A:LYS:H	12	0.61
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG11	4	0.61
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG12	4	0.61
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG13	4	0.61
(1,549)	1:403:A:GLU:HB3	1:404:A:GLY:H	12	0.61
(1,549)	1:403:A:GLU:HB3	1:404:A:GLY:H	14	0.61
(1,537)	1:430:A:ASN:HA	1:454:A:ASP:H	19	0.61
(1,482)	1:405:A:ALA:H	1:406:A:ASN:H	10	0.61
(1,468)	1:421:A:ILE:HG21	1:423:A:GLN:H	9	0.61
(1,468)	1:421:A:ILE:HG22	1:423:A:GLN:H	9	0.61
(1,468)	1:421:A:ILE:HG23	1:423:A:GLN:H	9	0.61
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD11	8	0.61
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD12	8	0.61
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD13	8	0.61
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD21	8	0.61
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD22	8	0.61
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD23	8	0.61
(1,446)	1:418:A:ASP:HB3	1:419:A:GLN:H	20	0.61
(1,373)	1:457:A:VAL:HB	1:458:A:SER:H	17	0.61
(1,280)	1:458:A:SER:HB2	1:459:A:ALA:H	12	0.61
(1,261)	1:486:A:ASP:H	1:486:A:ASP:HB3	14	0.61
(1,132)	1:434:A:ALA:HB1	1:451:A:VAL:H	14	0.61
(1,132)	1:434:A:ALA:HB2	1:451:A:VAL:H	14	0.61
(1,132)	1:434:A:ALA:HB3	1:451:A:VAL:H	14	0.61
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD1	16	0.61
(1,126)	1:469:A:PHE:H	1:469:A:PHE:HD2	16	0.61
(1,101)	1:450:A:PHE:HB3	1:451:A:VAL:H	20	0.61
(1,93)	1:476:A:LEU:H	1:477:A:LYS:H	6	0.61
(1,91)	1:480:A:LEU:HD11	1:481:A:LYS:H	12	0.61
(1,91)	1:480:A:LEU:HD12	1:481:A:LYS:H	12	0.61
(1,91)	1:480:A:LEU:HD13	1:481:A:LYS:H	12	0.61
(1,91)	1:480:A:LEU:HD21	1:481:A:LYS:H	12	0.61
(1,91)	1:480:A:LEU:HD22	1:481:A:LYS:H	12	0.61
(1,91)	1:480:A:LEU:HD23	1:481:A:LYS:H	12	0.61
(1,1)	1:469:A:PHE:HD1	1:470:A:GLN:H	5	0.61
(1,1)	1:469:A:PHE:HD2	1:470:A:GLN:H	5	0.61
(1,1)	1:469:A:PHE:HD1	1:470:A:GLN:H	15	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1)	1:469:A:PHE:HD2	1:470:A:GLN:H	15	0.61
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB1	9	0.6
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB2	9	0.6
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB3	9	0.6
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB1	9	0.6
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB2	9	0.6
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB3	9	0.6
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	16	0.6
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	16	0.6
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	16	0.6
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	16	0.6
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	16	0.6
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	16	0.6
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD1	17	0.6
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD2	17	0.6
(1,1498)	1:428:A:PHE:HE1	1:465:A:ALA:HA	10	0.6
(1,1498)	1:428:A:PHE:HE2	1:465:A:ALA:HA	10	0.6
(1,1498)	1:428:A:PHE:HE1	1:465:A:ALA:HA	17	0.6
(1,1498)	1:428:A:PHE:HE2	1:465:A:ALA:HA	17	0.6
(1,1485)	1:398:A:GLN:HA	1:398:A:GLN:HG3	20	0.6
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD11	12	0.6
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD12	12	0.6
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD13	12	0.6
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	18	0.6
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	18	0.6
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	18	0.6
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	18	0.6
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	18	0.6
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	18	0.6
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	18	0.6
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	18	0.6
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	18	0.6
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	18	0.6
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	18	0.6
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	18	0.6
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	18	0.6
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	18	0.6
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	18	0.6
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	18	0.6
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	18	0.6
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	18	0.6
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	16	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	16	0.6
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	16	0.6
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	16	0.6
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	16	0.6
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	16	0.6
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG2	11	0.6
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG3	11	0.6
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG2	11	0.6
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG3	11	0.6
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG2	11	0.6
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG3	11	0.6
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG2	11	0.6
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG3	11	0.6
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG2	11	0.6
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG3	11	0.6
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG2	11	0.6
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG3	11	0.6
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	6	0.6
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	6	0.6
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	6	0.6
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	6	0.6
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	6	0.6
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	6	0.6
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	6	0.6
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	6	0.6
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	6	0.6
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	6	0.6
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	6	0.6
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	6	0.6
(1,1230)	1:402:A:PRO:HG2	1:455:A:ASN:HA	17	0.6
(1,1181)	1:479:A:GLN:HA	1:480:A:LEU:HG	13	0.6
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB2	3	0.6
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB3	3	0.6
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB2	3	0.6
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB3	3	0.6
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG2	5	0.6
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG3	5	0.6
(1,1127)	1:467:A:ASN:HA	1:469:A:PHE:H	17	0.6
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD11	15	0.6
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD12	15	0.6
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD13	15	0.6
(1,1005)	1:425:A:PHE:HB2	1:426:A:MET:H	2	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG21	10	0.6
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG22	10	0.6
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG23	10	0.6
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	9	0.6
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	9	0.6
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB1	10	0.6
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB2	10	0.6
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB3	10	0.6
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB1	19	0.6
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB2	19	0.6
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB3	19	0.6
(1,763)	1:457:A:VAL:HG11	1:459:A:ALA:H	4	0.6
(1,763)	1:457:A:VAL:HG12	1:459:A:ALA:H	4	0.6
(1,763)	1:457:A:VAL:HG13	1:459:A:ALA:H	4	0.6
(1,763)	1:457:A:VAL:HG21	1:459:A:ALA:H	4	0.6
(1,763)	1:457:A:VAL:HG22	1:459:A:ALA:H	4	0.6
(1,763)	1:457:A:VAL:HG23	1:459:A:ALA:H	4	0.6
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	18	0.6
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	18	0.6
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	18	0.6
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	18	0.6
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	18	0.6
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	18	0.6
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	18	0.6
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	18	0.6
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	18	0.6
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	18	0.6
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	18	0.6
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	18	0.6
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	18	0.6
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	18	0.6
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	18	0.6
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	18	0.6
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	18	0.6
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	18	0.6
(1,682)	1:442:A:THR:HB	1:443:A:ASN:H	5	0.6
(1,645)	1:407:A:LEU:HD11	1:451:A:VAL:H	6	0.6
(1,645)	1:407:A:LEU:HD12	1:451:A:VAL:H	6	0.6
(1,645)	1:407:A:LEU:HD13	1:451:A:VAL:H	6	0.6
(1,645)	1:407:A:LEU:HD21	1:451:A:VAL:H	6	0.6
(1,645)	1:407:A:LEU:HD22	1:451:A:VAL:H	6	0.6
(1,645)	1:407:A:LEU:HD23	1:451:A:VAL:H	6	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,638)	1:413:A:PRO:HD2	1:476:A:LEU:HG	14	0.6
(1,638)	1:413:A:PRO:HD3	1:476:A:LEU:HG	14	0.6
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG21	20	0.6
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG22	20	0.6
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG23	20	0.6
(1,531)	1:416:A:PHE:H	1:417:A:GLY:H	11	0.6
(1,363)	1:407:A:LEU:HD11	1:463:A:ILE:H	7	0.6
(1,363)	1:407:A:LEU:HD12	1:463:A:ILE:H	7	0.6
(1,363)	1:407:A:LEU:HD13	1:463:A:ILE:H	7	0.6
(1,363)	1:407:A:LEU:HD21	1:463:A:ILE:H	7	0.6
(1,363)	1:407:A:LEU:HD22	1:463:A:ILE:H	7	0.6
(1,363)	1:407:A:LEU:HD23	1:463:A:ILE:H	7	0.6
(1,281)	1:455:A:ASN:HB3	1:459:A:ALA:H	1	0.6
(1,200)	1:416:A:PHE:H	1:417:A:GLY:H	11	0.6
(1,148)	1:407:A:LEU:H	1:408:A:PHE:H	4	0.6
(1,148)	1:407:A:LEU:H	1:408:A:PHE:H	18	0.6
(1,128)	1:467:A:ASN:HA	1:469:A:PHE:H	17	0.6
(1,43)	1:438:A:ILE:H	1:439:A:ASP:H	4	0.6
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD11	15	0.6
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD12	15	0.6
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD13	15	0.6
(1,1)	1:469:A:PHE:HD1	1:470:A:GLN:H	2	0.6
(1,1)	1:469:A:PHE:HD2	1:470:A:GLN:H	2	0.6
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD11	4	0.59
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD12	4	0.59
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD13	4	0.59
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	17	0.59
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	17	0.59
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	17	0.59
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	17	0.59
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	17	0.59
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	17	0.59
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	17	0.59
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	17	0.59
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	17	0.59
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG11	13	0.59
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG12	13	0.59
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG13	13	0.59
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG11	13	0.59
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG12	13	0.59
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG13	13	0.59
(1,1247)	1:412:A:LEU:HG	1:421:A:ILE:HG13	19	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1194)	1:403:A:GLU:HB3	1:404:A:GLY:H	1	0.59
(1,965)	1:438:A:ILE:HB	1:439:A:ASP:H	2	0.59
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	17	0.59
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	17	0.59
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	17	0.59
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	17	0.59
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	17	0.59
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	17	0.59
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	17	0.59
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	17	0.59
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	17	0.59
(1,920)	1:402:A:PRO:HG3	1:455:A:ASN:HB2	8	0.59
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB1	13	0.59
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB2	13	0.59
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB3	13	0.59
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB1	13	0.59
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB2	13	0.59
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB3	13	0.59
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB1	13	0.59
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB2	13	0.59
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB3	13	0.59
(1,609)	1:409:A:ILE:HA	1:411:A:HIS:HB2	10	0.59
(1,553)	1:422:A:LEU:HA	1:425:A:PHE:H	4	0.59
(1,549)	1:403:A:GLU:HB3	1:404:A:GLY:H	1	0.59
(1,518)	1:430:A:ASN:HA	1:430:A:ASN:HD22	3	0.59
(1,373)	1:457:A:VAL:HB	1:458:A:SER:H	8	0.59
(1,298)	1:405:A:ALA:H	1:453:A:TYR:HB3	17	0.59
(1,279)	1:458:A:SER:HB3	1:459:A:ALA:H	19	0.59
(1,48)	1:438:A:ILE:HB	1:439:A:ASP:H	2	0.59
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD1	11	0.58
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD2	11	0.58
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD1	11	0.58
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD2	11	0.58
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB1	14	0.58
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB2	14	0.58
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB3	14	0.58
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB1	14	0.58
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB2	14	0.58
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB3	14	0.58
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD1	7	0.58
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD2	7	0.58
(1,1498)	1:428:A:PHE:HE1	1:465:A:ALA:HA	3	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1498)	1:428:A:PHE:HE2	1:465:A:ALA:HA	3	0.58
(1,1464)	1:431:A:VAL:HA	1:453:A:TYR:HA	17	0.58
(1,1464)	1:431:A:VAL:HA	1:453:A:TYR:HA	18	0.58
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG11	16	0.58
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG12	16	0.58
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG13	16	0.58
(1,1005)	1:425:A:PHE:HB2	1:426:A:MET:H	16	0.58
(1,918)	1:422:A:LEU:HB3	1:434:A:ALA:HB1	19	0.58
(1,918)	1:422:A:LEU:HB3	1:434:A:ALA:HB2	19	0.58
(1,918)	1:422:A:LEU:HB3	1:434:A:ALA:HB3	19	0.58
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	19	0.58
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	19	0.58
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	19	0.58
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	19	0.58
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	19	0.58
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	19	0.58
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	19	0.58
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	19	0.58
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	19	0.58
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	3	0.58
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	3	0.58
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	3	0.58
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD11	11	0.58
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD12	11	0.58
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD13	11	0.58
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD21	11	0.58
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD22	11	0.58
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD23	11	0.58
(1,700)	1:476:A:LEU:HD11	1:477:A:LYS:H	3	0.58
(1,700)	1:476:A:LEU:HD12	1:477:A:LYS:H	3	0.58
(1,700)	1:476:A:LEU:HD13	1:477:A:LYS:H	3	0.58
(1,700)	1:476:A:LEU:HD21	1:477:A:LYS:H	3	0.58
(1,700)	1:476:A:LEU:HD22	1:477:A:LYS:H	3	0.58
(1,700)	1:476:A:LEU:HD23	1:477:A:LYS:H	3	0.58
(1,679)	1:477:A:LYS:HG2	1:478:A:VAL:H	6	0.58
(1,679)	1:477:A:LYS:HG3	1:478:A:VAL:H	6	0.58
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB2	18	0.58
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB3	18	0.58
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB2	20	0.58
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB3	20	0.58
(1,583)	1:426:A:MET:HA	1:428:A:PHE:H	16	0.58
(1,579)	1:400:A:GLU:HB3	1:401:A:GLY:H	10	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,482)	1:405:A:ALA:H	1:406:A:ASN:H	16	0.58
(1,453)	1:456:A:PRO:HA	1:460:A:GLN:H	13	0.58
(1,373)	1:457:A:VAL:HB	1:458:A:SER:H	7	0.58
(1,247)	1:452:A:SER:HB3	1:453:A:TYR:H	16	0.58
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD11	13	0.58
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD12	13	0.58
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD13	13	0.58
(1,231)	1:437:A:PHE:HB3	1:438:A:ILE:H	7	0.58
(1,139)	1:409:A:ILE:H	1:410:A:TYR:H	1	0.58
(1,139)	1:409:A:ILE:H	1:410:A:TYR:H	19	0.58
(1,113)	1:476:A:LEU:HD11	1:477:A:LYS:H	3	0.58
(1,113)	1:476:A:LEU:HD12	1:477:A:LYS:H	3	0.58
(1,113)	1:476:A:LEU:HD13	1:477:A:LYS:H	3	0.58
(1,113)	1:476:A:LEU:HD21	1:477:A:LYS:H	3	0.58
(1,113)	1:476:A:LEU:HD22	1:477:A:LYS:H	3	0.58
(1,113)	1:476:A:LEU:HD23	1:477:A:LYS:H	3	0.58
(1,103)	1:407:A:LEU:HG	1:479:A:GLN:H	12	0.58
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD1	2	0.57
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD2	2	0.57
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG21	4	0.57
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG22	4	0.57
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG23	4	0.57
(1,1485)	1:398:A:GLN:HA	1:398:A:GLN:HG3	9	0.57
(1,1485)	1:398:A:GLN:HA	1:398:A:GLN:HG3	14	0.57
(1,1314)	1:429:A:GLY:HA2	1:430:A:ASN:HA	20	0.57
(1,1230)	1:402:A:PRO:HG2	1:455:A:ASN:HA	8	0.57
(1,1194)	1:403:A:GLU:HB3	1:404:A:GLY:H	5	0.57
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	15	0.57
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	15	0.57
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	15	0.57
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	15	0.57
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	15	0.57
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	15	0.57
(1,1011)	1:425:A:PHE:HB3	1:426:A:MET:H	7	0.57
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB1	14	0.57
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB2	14	0.57
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB3	14	0.57
(1,883)	1:453:A:TYR:HB3	1:454:A:ASP:H	13	0.57
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB1	19	0.57
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB2	19	0.57
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB3	19	0.57
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	4	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	4	0.57
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	4	0.57
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	4	0.57
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	4	0.57
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	4	0.57
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	6	0.57
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	6	0.57
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	6	0.57
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD11	16	0.57
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD12	16	0.57
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD13	16	0.57
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD21	16	0.57
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD22	16	0.57
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD23	16	0.57
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG21	6	0.57
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG22	6	0.57
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG23	6	0.57
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD11	6	0.57
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD12	6	0.57
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD13	6	0.57
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD21	6	0.57
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD22	6	0.57
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD23	6	0.57
(1,676)	1:481:A:LYS:HG2	1:482:A:ARG:H	20	0.57
(1,676)	1:481:A:LYS:HG3	1:482:A:ARG:H	20	0.57
(1,647)	1:407:A:LEU:HD11	1:408:A:PHE:H	19	0.57
(1,647)	1:407:A:LEU:HD12	1:408:A:PHE:H	19	0.57
(1,647)	1:407:A:LEU:HD13	1:408:A:PHE:H	19	0.57
(1,647)	1:407:A:LEU:HD21	1:408:A:PHE:H	19	0.57
(1,647)	1:407:A:LEU:HD22	1:408:A:PHE:H	19	0.57
(1,647)	1:407:A:LEU:HD23	1:408:A:PHE:H	19	0.57
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG11	16	0.57
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG12	16	0.57
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG13	16	0.57
(1,600)	1:428:A:PHE:HB2	1:429:A:GLY:H	9	0.57
(1,593)	1:421:A:ILE:HD11	1:449:A:GLY:H	8	0.57
(1,593)	1:421:A:ILE:HD12	1:449:A:GLY:H	8	0.57
(1,593)	1:421:A:ILE:HD13	1:449:A:GLY:H	8	0.57
(1,579)	1:400:A:GLU:HB3	1:401:A:GLY:H	14	0.57
(1,553)	1:422:A:LEU:HA	1:425:A:PHE:H	9	0.57
(1,549)	1:403:A:GLU:HB3	1:404:A:GLY:H	5	0.57
(1,542)	1:453:A:TYR:HB3	1:454:A:ASP:H	13	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,533)	1:417:A:GLY:H	1:420:A:ASP:HB3	5	0.57
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG21	19	0.57
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG22	19	0.57
(1,526)	1:433:A:SER:H	1:451:A:VAL:HG23	19	0.57
(1,508)	1:453:A:TYR:HD1	1:455:A:ASN:H	13	0.57
(1,508)	1:453:A:TYR:HD2	1:455:A:ASN:H	13	0.57
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG21	6	0.57
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG22	6	0.57
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG23	6	0.57
(1,352)	1:407:A:LEU:HD11	1:408:A:PHE:H	19	0.57
(1,352)	1:407:A:LEU:HD12	1:408:A:PHE:H	19	0.57
(1,352)	1:407:A:LEU:HD13	1:408:A:PHE:H	19	0.57
(1,352)	1:407:A:LEU:HD21	1:408:A:PHE:H	19	0.57
(1,352)	1:407:A:LEU:HD22	1:408:A:PHE:H	19	0.57
(1,352)	1:407:A:LEU:HD23	1:408:A:PHE:H	19	0.57
(1,258)	1:435:A:LYS:H	1:436:A:VAL:H	1	0.57
(1,258)	1:435:A:LYS:H	1:436:A:VAL:H	16	0.57
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD1	18	0.57
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD2	18	0.57
(1,148)	1:407:A:LEU:H	1:408:A:PHE:H	8	0.57
(1,148)	1:407:A:LEU:H	1:408:A:PHE:H	11	0.57
(1,139)	1:409:A:ILE:H	1:410:A:TYR:H	6	0.57
(1,101)	1:450:A:PHE:HB3	1:451:A:VAL:H	5	0.57
(1,1598)	1:453:A:TYR:HE1	1:459:A:ALA:HA	14	0.56
(1,1598)	1:453:A:TYR:HE2	1:459:A:ALA:HA	14	0.56
(1,1498)	1:428:A:PHE:HE1	1:465:A:ALA:HA	1	0.56
(1,1498)	1:428:A:PHE:HE2	1:465:A:ALA:HA	1	0.56
(1,1404)	1:420:A:ASP:HB2	1:423:A:GLN:HA	7	0.56
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	8	0.56
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	8	0.56
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	8	0.56
(1,1163)	1:453:A:TYR:HE1	1:459:A:ALA:HA	14	0.56
(1,1163)	1:453:A:TYR:HE2	1:459:A:ALA:HA	14	0.56
(1,1105)	1:463:A:ILE:HA	1:478:A:VAL:HB	17	0.56
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD11	5	0.56
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD12	5	0.56
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD13	5	0.56
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD11	5	0.56
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD12	5	0.56
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD13	5	0.56
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD11	5	0.56
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD12	5	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD13	5	0.56
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD11	5	0.56
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD12	5	0.56
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD13	5	0.56
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD11	5	0.56
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD12	5	0.56
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD13	5	0.56
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD11	5	0.56
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD12	5	0.56
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD13	5	0.56
(1,960)	1:432:A:ILE:HG21	1:433:A:SER:H	13	0.56
(1,960)	1:432:A:ILE:HG22	1:433:A:SER:H	13	0.56
(1,960)	1:432:A:ILE:HG23	1:433:A:SER:H	13	0.56
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB1	5	0.56
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB2	5	0.56
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB3	5	0.56
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB1	5	0.56
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB2	5	0.56
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB3	5	0.56
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB1	5	0.56
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB2	5	0.56
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB3	5	0.56
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB1	12	0.56
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB2	12	0.56
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB3	12	0.56
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB1	12	0.56
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB2	12	0.56
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB3	12	0.56
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB1	12	0.56
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB2	12	0.56
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB3	12	0.56
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB2	15	0.56
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB3	15	0.56
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD2	12	0.56
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD3	12	0.56
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	8	0.56
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	8	0.56
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	8	0.56
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB1	18	0.56
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB2	18	0.56
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB3	18	0.56
(1,803)	1:465:A:ALA:HB1	1:466:A:MET:HA	3	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:465:A:ALA:HB2	1:466:A:MET:HA	3	0.56
(1,803)	1:465:A:ALA:HB3	1:466:A:MET:HA	3	0.56
(1,759)	1:403:A:GLU:HA	1:404:A:GLY:HA3	4	0.56
(1,720)	1:444:A:LEU:HD11	1:445:A:SER:H	8	0.56
(1,720)	1:444:A:LEU:HD12	1:445:A:SER:H	8	0.56
(1,720)	1:444:A:LEU:HD13	1:445:A:SER:H	8	0.56
(1,720)	1:444:A:LEU:HD21	1:445:A:SER:H	8	0.56
(1,720)	1:444:A:LEU:HD22	1:445:A:SER:H	8	0.56
(1,720)	1:444:A:LEU:HD23	1:445:A:SER:H	8	0.56
(1,700)	1:476:A:LEU:HD11	1:477:A:LYS:H	19	0.56
(1,700)	1:476:A:LEU:HD12	1:477:A:LYS:H	19	0.56
(1,700)	1:476:A:LEU:HD13	1:477:A:LYS:H	19	0.56
(1,700)	1:476:A:LEU:HD21	1:477:A:LYS:H	19	0.56
(1,700)	1:476:A:LEU:HD22	1:477:A:LYS:H	19	0.56
(1,700)	1:476:A:LEU:HD23	1:477:A:LYS:H	19	0.56
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB2	14	0.56
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB3	14	0.56
(1,649)	1:407:A:LEU:HD11	1:479:A:GLN:HA	4	0.56
(1,649)	1:407:A:LEU:HD12	1:479:A:GLN:HA	4	0.56
(1,649)	1:407:A:LEU:HD13	1:479:A:GLN:HA	4	0.56
(1,649)	1:407:A:LEU:HD21	1:479:A:GLN:HA	4	0.56
(1,649)	1:407:A:LEU:HD22	1:479:A:GLN:HA	4	0.56
(1,649)	1:407:A:LEU:HD23	1:479:A:GLN:HA	4	0.56
(1,593)	1:421:A:ILE:HD11	1:449:A:GLY:H	4	0.56
(1,593)	1:421:A:ILE:HD12	1:449:A:GLY:H	4	0.56
(1,593)	1:421:A:ILE:HD13	1:449:A:GLY:H	4	0.56
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG11	19	0.56
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG12	19	0.56
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG13	19	0.56
(1,553)	1:422:A:LEU:HA	1:425:A:PHE:H	2	0.56
(1,482)	1:405:A:ALA:H	1:406:A:ASN:H	18	0.56
(1,479)	1:444:A:LEU:HD11	1:445:A:SER:H	8	0.56
(1,479)	1:444:A:LEU:HD12	1:445:A:SER:H	8	0.56
(1,479)	1:444:A:LEU:HD13	1:445:A:SER:H	8	0.56
(1,479)	1:444:A:LEU:HD21	1:445:A:SER:H	8	0.56
(1,479)	1:444:A:LEU:HD22	1:445:A:SER:H	8	0.56
(1,479)	1:444:A:LEU:HD23	1:445:A:SER:H	8	0.56
(1,369)	1:482:A:ARG:HB3	1:483:A:SER:H	16	0.56
(1,280)	1:458:A:SER:HB2	1:459:A:ALA:H	7	0.56
(1,271)	1:456:A:PRO:HD2	1:457:A:VAL:H	9	0.56
(1,258)	1:435:A:LYS:H	1:436:A:VAL:H	7	0.56
(1,148)	1:407:A:LEU:H	1:408:A:PHE:H	12	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:476:A:LEU:HD11	1:477:A:LYS:H	19	0.56
(1,113)	1:476:A:LEU:HD12	1:477:A:LYS:H	19	0.56
(1,113)	1:476:A:LEU:HD13	1:477:A:LYS:H	19	0.56
(1,113)	1:476:A:LEU:HD21	1:477:A:LYS:H	19	0.56
(1,113)	1:476:A:LEU:HD22	1:477:A:LYS:H	19	0.56
(1,113)	1:476:A:LEU:HD23	1:477:A:LYS:H	19	0.56
(1,78)	1:434:A:ALA:H	1:435:A:LYS:H	4	0.56
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	11	0.55
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	11	0.55
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	11	0.55
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	11	0.55
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	11	0.55
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	11	0.55
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE1	1	0.55
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE2	1	0.55
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE1	13	0.55
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE2	13	0.55
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD1	8	0.55
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD2	8	0.55
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD1	10	0.55
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD2	10	0.55
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD1	9	0.55
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD2	9	0.55
(1,1498)	1:428:A:PHE:HE1	1:465:A:ALA:HA	16	0.55
(1,1498)	1:428:A:PHE:HE2	1:465:A:ALA:HA	16	0.55
(1,1492)	1:461:A:ALA:HB1	1:462:A:ALA:HA	4	0.55
(1,1492)	1:461:A:ALA:HB2	1:462:A:ALA:HA	4	0.55
(1,1492)	1:461:A:ALA:HB3	1:462:A:ALA:HA	4	0.55
(1,1491)	1:407:A:LEU:HD11	1:459:A:ALA:HA	12	0.55
(1,1491)	1:407:A:LEU:HD12	1:459:A:ALA:HA	12	0.55
(1,1491)	1:407:A:LEU:HD13	1:459:A:ALA:HA	12	0.55
(1,1491)	1:407:A:LEU:HD21	1:459:A:ALA:HA	12	0.55
(1,1491)	1:407:A:LEU:HD22	1:459:A:ALA:HA	12	0.55
(1,1491)	1:407:A:LEU:HD23	1:459:A:ALA:HA	12	0.55
(1,1485)	1:398:A:GLN:HA	1:398:A:GLN:HG3	3	0.55
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG11	19	0.55
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG12	19	0.55
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG13	19	0.55
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD11	4	0.55
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD12	4	0.55
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD13	4	0.55
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	11	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	11	0.55
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	11	0.55
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	11	0.55
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	11	0.55
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	11	0.55
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	11	0.55
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	11	0.55
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	11	0.55
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG11	19	0.55
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG12	19	0.55
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG13	19	0.55
(1,1247)	1:412:A:LEU:HG	1:421:A:ILE:HG13	13	0.55
(1,1243)	1:407:A:LEU:HG	1:459:A:ALA:HA	6	0.55
(1,1230)	1:402:A:PRO:HG2	1:455:A:ASN:HA	7	0.55
(1,1165)	1:407:A:LEU:HG	1:459:A:ALA:HA	6	0.55
(1,1164)	1:407:A:LEU:HD11	1:459:A:ALA:HA	12	0.55
(1,1164)	1:407:A:LEU:HD12	1:459:A:ALA:HA	12	0.55
(1,1164)	1:407:A:LEU:HD13	1:459:A:ALA:HA	12	0.55
(1,1164)	1:407:A:LEU:HD21	1:459:A:ALA:HA	12	0.55
(1,1164)	1:407:A:LEU:HD22	1:459:A:ALA:HA	12	0.55
(1,1164)	1:407:A:LEU:HD23	1:459:A:ALA:HA	12	0.55
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	11	0.55
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	11	0.55
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	11	0.55
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	11	0.55
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	11	0.55
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	11	0.55
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	11	0.55
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	11	0.55
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	11	0.55
(1,1011)	1:425:A:PHE:HB3	1:426:A:MET:H	4	0.55
(1,949)	1:461:A:ALA:HB1	1:462:A:ALA:HA	4	0.55
(1,949)	1:461:A:ALA:HB2	1:462:A:ALA:HA	4	0.55
(1,949)	1:461:A:ALA:HB3	1:462:A:ALA:HA	4	0.55
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	7	0.55
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	7	0.55
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	7	0.55
(1,810)	1:434:A:ALA:HB1	1:452:A:SER:H	13	0.55
(1,810)	1:434:A:ALA:HB2	1:452:A:SER:H	13	0.55
(1,810)	1:434:A:ALA:HB3	1:452:A:SER:H	13	0.55
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB1	8	0.55
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB2	8	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB3	8	0.55
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB1	8	0.55
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB2	8	0.55
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB3	8	0.55
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB1	8	0.55
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB2	8	0.55
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB3	8	0.55
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	4	0.55
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	4	0.55
(1,750)	1:436:A:VAL:HG21	1:450:A:PHE:H	15	0.55
(1,750)	1:436:A:VAL:HG22	1:450:A:PHE:H	15	0.55
(1,750)	1:436:A:VAL:HG23	1:450:A:PHE:H	15	0.55
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	17	0.55
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	17	0.55
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	17	0.55
(1,320)	1:434:A:ALA:HB1	1:452:A:SER:H	13	0.55
(1,320)	1:434:A:ALA:HB2	1:452:A:SER:H	13	0.55
(1,320)	1:434:A:ALA:HB3	1:452:A:SER:H	13	0.55
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG11	10	0.55
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG12	10	0.55
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG13	10	0.55
(1,231)	1:437:A:PHE:HB3	1:438:A:ILE:H	6	0.55
(1,210)	1:418:A:ASP:H	1:420:A:ASP:HB2	18	0.55
(1,207)	1:417:A:GLY:H	1:418:A:ASP:H	9	0.55
(1,127)	1:466:A:MET:HA	1:469:A:PHE:H	9	0.55
(1,93)	1:476:A:LEU:H	1:477:A:LYS:H	15	0.55
(1,71)	1:414:A:GLN:H	1:414:A:GLN:HG3	8	0.55
(1,43)	1:438:A:ILE:H	1:439:A:ASP:H	2	0.55
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	3	0.54
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	3	0.54
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD1	9	0.54
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD2	9	0.54
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD1	9	0.54
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD2	9	0.54
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD1	9	0.54
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD2	9	0.54
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD1	6	0.54
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD2	6	0.54
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	4	0.54
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	4	0.54
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	9	0.54
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	9	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1464)	1:431:A:VAL:HA	1:453:A:TYR:HA	14	0.54
(1,1464)	1:431:A:VAL:HA	1:453:A:TYR:HA	20	0.54
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	4	0.54
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	4	0.54
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	4	0.54
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	4	0.54
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	4	0.54
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	4	0.54
(1,1387)	1:409:A:ILE:HB	1:449:A:GLY:HA3	12	0.54
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB1	12	0.54
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB2	12	0.54
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB3	12	0.54
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB1	12	0.54
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB2	12	0.54
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB3	12	0.54
(1,1302)	1:476:A:LEU:HD11	1:478:A:VAL:HG11	7	0.54
(1,1302)	1:476:A:LEU:HD11	1:478:A:VAL:HG12	7	0.54
(1,1302)	1:476:A:LEU:HD11	1:478:A:VAL:HG13	7	0.54
(1,1302)	1:476:A:LEU:HD12	1:478:A:VAL:HG11	7	0.54
(1,1302)	1:476:A:LEU:HD12	1:478:A:VAL:HG12	7	0.54
(1,1302)	1:476:A:LEU:HD12	1:478:A:VAL:HG13	7	0.54
(1,1302)	1:476:A:LEU:HD13	1:478:A:VAL:HG11	7	0.54
(1,1302)	1:476:A:LEU:HD13	1:478:A:VAL:HG12	7	0.54
(1,1302)	1:476:A:LEU:HD13	1:478:A:VAL:HG13	7	0.54
(1,1302)	1:476:A:LEU:HD21	1:478:A:VAL:HG11	7	0.54
(1,1302)	1:476:A:LEU:HD21	1:478:A:VAL:HG12	7	0.54
(1,1302)	1:476:A:LEU:HD21	1:478:A:VAL:HG13	7	0.54
(1,1302)	1:476:A:LEU:HD22	1:478:A:VAL:HG11	7	0.54
(1,1302)	1:476:A:LEU:HD22	1:478:A:VAL:HG12	7	0.54
(1,1302)	1:476:A:LEU:HD22	1:478:A:VAL:HG13	7	0.54
(1,1302)	1:476:A:LEU:HD23	1:478:A:VAL:HG11	7	0.54
(1,1302)	1:476:A:LEU:HD23	1:478:A:VAL:HG12	7	0.54
(1,1302)	1:476:A:LEU:HD23	1:478:A:VAL:HG13	7	0.54
(1,1230)	1:402:A:PRO:HG2	1:455:A:ASN:HA	5	0.54
(1,1127)	1:467:A:ASN:HA	1:469:A:PHE:H	19	0.54
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD11	8	0.54
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD12	8	0.54
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD13	8	0.54
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD11	15	0.54
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD12	15	0.54
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD13	15	0.54
(1,1005)	1:425:A:PHE:HB2	1:426:A:MET:H	20	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,975)	1:438:A:ILE:HG21	1:439:A:ASP:H	18	0.54
(1,975)	1:438:A:ILE:HG22	1:439:A:ASP:H	18	0.54
(1,975)	1:438:A:ILE:HG23	1:439:A:ASP:H	18	0.54
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB1	3	0.54
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB2	3	0.54
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB3	3	0.54
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB1	3	0.54
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB2	3	0.54
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB3	3	0.54
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE1	4	0.54
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE2	4	0.54
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	4	0.54
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	4	0.54
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB1	6	0.54
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB2	6	0.54
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB3	6	0.54
(1,679)	1:477:A:LYS:HG2	1:478:A:VAL:H	13	0.54
(1,679)	1:477:A:LYS:HG3	1:478:A:VAL:H	13	0.54
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB2	1	0.54
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB3	1	0.54
(1,645)	1:407:A:LEU:HD11	1:451:A:VAL:H	10	0.54
(1,645)	1:407:A:LEU:HD12	1:451:A:VAL:H	10	0.54
(1,645)	1:407:A:LEU:HD13	1:451:A:VAL:H	10	0.54
(1,645)	1:407:A:LEU:HD21	1:451:A:VAL:H	10	0.54
(1,645)	1:407:A:LEU:HD22	1:451:A:VAL:H	10	0.54
(1,645)	1:407:A:LEU:HD23	1:451:A:VAL:H	10	0.54
(1,609)	1:409:A:ILE:HA	1:411:A:HIS:HB2	12	0.54
(1,460)	1:457:A:VAL:H	1:460:A:GLN:H	3	0.54
(1,294)	1:409:A:ILE:HD11	1:450:A:PHE:H	6	0.54
(1,294)	1:409:A:ILE:HD12	1:450:A:PHE:H	6	0.54
(1,294)	1:409:A:ILE:HD13	1:450:A:PHE:H	6	0.54
(1,278)	1:453:A:TYR:HD1	1:459:A:ALA:H	20	0.54
(1,278)	1:453:A:TYR:HD2	1:459:A:ALA:H	20	0.54
(1,258)	1:435:A:LYS:H	1:436:A:VAL:H	4	0.54
(1,192)	1:418:A:ASP:HB2	1:436:A:VAL:H	6	0.54
(1,128)	1:467:A:ASN:HA	1:469:A:PHE:H	19	0.54
(1,1597)	1:431:A:VAL:HA	1:453:A:TYR:HE1	7	0.53
(1,1597)	1:431:A:VAL:HA	1:453:A:TYR:HE2	7	0.53
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD1	3	0.53
(1,1576)	1:425:A:PHE:HD1	1:428:A:PHE:HD2	3	0.53
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD1	3	0.53
(1,1576)	1:425:A:PHE:HD2	1:428:A:PHE:HD2	3	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG21	1	0.53
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG22	1	0.53
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG23	1	0.53
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG11	17	0.53
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG12	17	0.53
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG13	17	0.53
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD11	17	0.53
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD12	17	0.53
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD13	17	0.53
(1,1485)	1:398:A:GLN:HA	1:398:A:GLN:HG3	11	0.53
(1,1404)	1:420:A:ASP:HB2	1:423:A:GLN:HA	8	0.53
(1,1404)	1:420:A:ASP:HB2	1:423:A:GLN:HA	19	0.53
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB1	11	0.53
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB2	11	0.53
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB3	11	0.53
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB1	11	0.53
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB2	11	0.53
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB3	11	0.53
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB1	11	0.53
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB2	11	0.53
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB3	11	0.53
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	19	0.53
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	19	0.53
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	19	0.53
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	19	0.53
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	19	0.53
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	19	0.53
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	19	0.53
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	19	0.53
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	19	0.53
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB2	7	0.53
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB3	7	0.53
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB2	7	0.53
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB3	7	0.53
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB2	7	0.53
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB3	7	0.53
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG21	13	0.53
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG22	13	0.53
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG23	13	0.53
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG21	13	0.53
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG22	13	0.53
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG23	13	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	19	0.53
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	19	0.53
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	19	0.53
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	19	0.53
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	19	0.53
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	19	0.53
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	19	0.53
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	19	0.53
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	19	0.53
(1,942)	1:409:A:ILE:HB	1:449:A:GLY:H	3	0.53
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	11	0.53
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	11	0.53
(1,891)	1:439:A:ASP:HB3	1:444:A:LEU:H	4	0.53
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB2	1	0.53
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB3	1	0.53
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	14	0.53
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	14	0.53
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	14	0.53
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB1	18	0.53
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB2	18	0.53
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB3	18	0.53
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG11	17	0.53
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG12	17	0.53
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG13	17	0.53
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	2	0.53
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	2	0.53
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	2	0.53
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG21	13	0.53
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG22	13	0.53
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG23	13	0.53
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	8	0.53
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	8	0.53
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	8	0.53
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	8	0.53
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	8	0.53
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	8	0.53
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	8	0.53
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	8	0.53
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	8	0.53
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	8	0.53
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	8	0.53
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	8	0.53
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	8	0.53
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	8	0.53
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	8	0.53
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	8	0.53
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	8	0.53
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG11	14	0.53
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG12	14	0.53
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG13	14	0.53
(1,573)	1:463:A:ILE:HA	1:466:A:MET:H	17	0.53
(1,563)	1:410:A:TYR:HB3	1:411:A:HIS:H	11	0.53
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG21	6	0.53
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG22	6	0.53
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG23	6	0.53
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG21	13	0.53
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG22	13	0.53
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG23	13	0.53
(1,283)	1:407:A:LEU:HG	1:459:A:ALA:H	1	0.53
(1,280)	1:458:A:SER:HB2	1:459:A:ALA:H	5	0.53
(1,247)	1:452:A:SER:HB3	1:453:A:TYR:H	13	0.53
(1,227)	1:418:A:ASP:H	1:436:A:VAL:HB	17	0.53
(1,132)	1:434:A:ALA:HB1	1:451:A:VAL:H	16	0.53
(1,132)	1:434:A:ALA:HB2	1:451:A:VAL:H	16	0.53
(1,132)	1:434:A:ALA:HB3	1:451:A:VAL:H	16	0.53
(1,103)	1:407:A:LEU:HG	1:479:A:GLN:H	10	0.53
(1,78)	1:434:A:ALA:H	1:435:A:LYS:H	13	0.53
(1,29)	1:439:A:ASP:HB3	1:440:A:LYS:H	19	0.53
(1,29)	1:439:A:ASP:HB3	1:440:A:LYS:H	20	0.53
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG21	5	0.52
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG22	5	0.52
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG23	5	0.52
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	10	0.52
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	10	0.52
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	10	0.52
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	10	0.52
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	10	0.52
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	10	0.52
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	10	0.52
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	10	0.52
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	10	0.52
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	10	0.52
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	10	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	10	0.52
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	10	0.52
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	10	0.52
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	10	0.52
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	10	0.52
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	10	0.52
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	10	0.52
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	15	0.52
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	15	0.52
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	15	0.52
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	15	0.52
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	15	0.52
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	15	0.52
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	15	0.52
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	15	0.52
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	15	0.52
(1,1322)	1:436:A:VAL:HG11	1:448:A:PHE:HA	12	0.52
(1,1322)	1:436:A:VAL:HG12	1:448:A:PHE:HA	12	0.52
(1,1322)	1:436:A:VAL:HG13	1:448:A:PHE:HA	12	0.52
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG2	1	0.52
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG3	1	0.52
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG2	1	0.52
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG3	1	0.52
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG2	1	0.52
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG3	1	0.52
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG2	1	0.52
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG3	1	0.52
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG2	1	0.52
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG3	1	0.52
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG2	1	0.52
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG3	1	0.52
(1,1247)	1:412:A:LEU:HG	1:421:A:ILE:HG13	5	0.52
(1,1240)	1:432:A:ILE:HG12	1:454:A:ASP:H	20	0.52
(1,1240)	1:432:A:ILE:HG13	1:454:A:ASP:H	20	0.52
(1,1237)	1:422:A:LEU:HG	1:423:A:GLN:H	13	0.52
(1,1194)	1:403:A:GLU:HB3	1:404:A:GLY:H	16	0.52
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD11	10	0.52
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD12	10	0.52
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD13	10	0.52
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD11	18	0.52
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD12	18	0.52
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD13	18	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD11	18	0.52
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD12	18	0.52
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD13	18	0.52
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD11	18	0.52
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD12	18	0.52
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD13	18	0.52
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD11	18	0.52
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD12	18	0.52
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD13	18	0.52
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD11	18	0.52
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD12	18	0.52
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD13	18	0.52
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD11	18	0.52
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD12	18	0.52
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD13	18	0.52
(1,960)	1:432:A:ILE:HG21	1:433:A:SER:H	20	0.52
(1,960)	1:432:A:ILE:HG22	1:433:A:SER:H	20	0.52
(1,960)	1:432:A:ILE:HG23	1:433:A:SER:H	20	0.52
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	15	0.52
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	15	0.52
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	15	0.52
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	15	0.52
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	15	0.52
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	15	0.52
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	15	0.52
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	15	0.52
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	15	0.52
(1,883)	1:453:A:TYR:HB3	1:454:A:ASP:H	9	0.52
(1,852)	1:405:A:ALA:HB1	1:455:A:ASN:H	1	0.52
(1,852)	1:405:A:ALA:HB2	1:455:A:ASN:H	1	0.52
(1,852)	1:405:A:ALA:HB3	1:455:A:ASN:H	1	0.52
(1,852)	1:405:A:ALA:HB1	1:455:A:ASN:H	18	0.52
(1,852)	1:405:A:ALA:HB2	1:455:A:ASN:H	18	0.52
(1,852)	1:405:A:ALA:HB3	1:455:A:ASN:H	18	0.52
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD11	8	0.52
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD12	8	0.52
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD13	8	0.52
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD21	8	0.52
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD22	8	0.52
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD23	8	0.52
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	10	0.52
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	10	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	10	0.52
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	10	0.52
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	10	0.52
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	10	0.52
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	10	0.52
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	10	0.52
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	10	0.52
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	10	0.52
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	10	0.52
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	10	0.52
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	10	0.52
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	10	0.52
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	10	0.52
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	10	0.52
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	10	0.52
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	10	0.52
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG2	13	0.52
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG3	13	0.52
(1,682)	1:442:A:THR:HB	1:443:A:ASN:H	15	0.52
(1,649)	1:407:A:LEU:HD11	1:479:A:GLN:HA	6	0.52
(1,649)	1:407:A:LEU:HD12	1:479:A:GLN:HA	6	0.52
(1,649)	1:407:A:LEU:HD13	1:479:A:GLN:HA	6	0.52
(1,649)	1:407:A:LEU:HD21	1:479:A:GLN:HA	6	0.52
(1,649)	1:407:A:LEU:HD22	1:479:A:GLN:HA	6	0.52
(1,649)	1:407:A:LEU:HD23	1:479:A:GLN:HA	6	0.52
(1,629)	1:402:A:PRO:HD3	1:403:A:GLU:HB2	12	0.52
(1,605)	1:426:A:MET:HA	1:429:A:GLY:H	16	0.52
(1,549)	1:403:A:GLU:HB3	1:404:A:GLY:H	16	0.52
(1,542)	1:453:A:TYR:HB3	1:454:A:ASP:H	9	0.52
(1,534)	1:453:A:TYR:HD1	1:454:A:ASP:H	10	0.52
(1,534)	1:453:A:TYR:HD2	1:454:A:ASP:H	10	0.52
(1,518)	1:430:A:ASN:HA	1:430:A:ASN:HD22	13	0.52
(1,446)	1:418:A:ASP:HB3	1:419:A:GLN:H	4	0.52
(1,394)	1:430:A:ASN:H	1:453:A:TYR:HE1	19	0.52
(1,394)	1:430:A:ASN:H	1:453:A:TYR:HE2	19	0.52
(1,314)	1:474:A:LYS:HD2	1:475:A:ARG:H	9	0.52
(1,314)	1:474:A:LYS:HD3	1:475:A:ARG:H	9	0.52
(1,287)	1:436:A:VAL:HA	1:450:A:PHE:H	11	0.52
(1,281)	1:455:A:ASN:HB3	1:459:A:ALA:H	18	0.52
(1,258)	1:435:A:LYS:H	1:436:A:VAL:H	10	0.52
(1,247)	1:452:A:SER:HB3	1:453:A:TYR:H	18	0.52
(1,187)	1:460:A:GLN:HG2	1:461:A:ALA:H	12	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,187)	1:460:A:GLN:HG3	1:461:A:ALA:H	12	0.52
(1,101)	1:450:A:PHE:HB3	1:451:A:VAL:H	12	0.52
(1,43)	1:438:A:ILE:H	1:439:A:ASP:H	6	0.52
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD1	17	0.51
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD2	17	0.51
(1,1498)	1:428:A:PHE:HE1	1:465:A:ALA:HA	18	0.51
(1,1498)	1:428:A:PHE:HE2	1:465:A:ALA:HA	18	0.51
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	10	0.51
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	10	0.51
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD11	5	0.51
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD12	5	0.51
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD13	5	0.51
(1,1394)	1:463:A:ILE:HG21	1:464:A:GLN:HA	3	0.51
(1,1394)	1:463:A:ILE:HG22	1:464:A:GLN:HA	3	0.51
(1,1394)	1:463:A:ILE:HG23	1:464:A:GLN:HA	3	0.51
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	1	0.51
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	1	0.51
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	1	0.51
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	1	0.51
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	1	0.51
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	1	0.51
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	1	0.51
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	1	0.51
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	1	0.51
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD11	13	0.51
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD12	13	0.51
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD13	13	0.51
(1,1181)	1:479:A:GLN:HA	1:480:A:LEU:HG	6	0.51
(1,1157)	1:461:A:ALA:HA	1:464:A:GLN:H	20	0.51
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG21	15	0.51
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG22	15	0.51
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG23	15	0.51
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG21	15	0.51
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG22	15	0.51
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG23	15	0.51
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG21	10	0.51
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG22	10	0.51
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG23	10	0.51
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG21	10	0.51
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG22	10	0.51
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG23	10	0.51
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	1	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	1	0.51
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	1	0.51
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	1	0.51
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	1	0.51
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	1	0.51
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	1	0.51
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	1	0.51
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	1	0.51
(1,868)	1:411:A:HIS:HB2	1:475:A:ARG:HD2	16	0.51
(1,868)	1:411:A:HIS:HB2	1:475:A:ARG:HD3	16	0.51
(1,860)	1:409:A:ILE:HG21	1:450:A:PHE:H	20	0.51
(1,860)	1:409:A:ILE:HG22	1:450:A:PHE:H	20	0.51
(1,860)	1:409:A:ILE:HG23	1:450:A:PHE:H	20	0.51
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	3	0.51
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	3	0.51
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	3	0.51
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	3	0.51
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	3	0.51
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	3	0.51
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB1	1	0.51
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB2	1	0.51
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB3	1	0.51
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB1	8	0.51
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB2	8	0.51
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB3	8	0.51
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	10	0.51
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	10	0.51
(1,759)	1:403:A:GLU:HA	1:404:A:GLY:HA3	15	0.51
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	18	0.51
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	18	0.51
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD11	11	0.51
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD12	11	0.51
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD13	11	0.51
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD21	11	0.51
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD22	11	0.51
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD23	11	0.51
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG2	7	0.51
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG3	7	0.51
(1,638)	1:413:A:PRO:HD2	1:476:A:LEU:HG	2	0.51
(1,638)	1:413:A:PRO:HD3	1:476:A:LEU:HG	2	0.51
(1,615)	1:407:A:LEU:HG	1:462:A:ALA:H	14	0.51
(1,614)	1:407:A:LEU:H	1:407:A:LEU:HG	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,593)	1:421:A:ILE:HD11	1:449:A:GLY:H	16	0.51
(1,593)	1:421:A:ILE:HD12	1:449:A:GLY:H	16	0.51
(1,593)	1:421:A:ILE:HD13	1:449:A:GLY:H	16	0.51
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB1	6	0.51
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB2	6	0.51
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB3	6	0.51
(1,467)	1:422:A:LEU:HD11	1:423:A:GLN:H	6	0.51
(1,467)	1:422:A:LEU:HD12	1:423:A:GLN:H	6	0.51
(1,467)	1:422:A:LEU:HD13	1:423:A:GLN:H	6	0.51
(1,467)	1:422:A:LEU:HD21	1:423:A:GLN:H	6	0.51
(1,467)	1:422:A:LEU:HD22	1:423:A:GLN:H	6	0.51
(1,467)	1:422:A:LEU:HD23	1:423:A:GLN:H	6	0.51
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD11	20	0.51
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD12	20	0.51
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD13	20	0.51
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD21	20	0.51
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD22	20	0.51
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD23	20	0.51
(1,408)	1:420:A:ASP:H	1:422:A:LEU:H	10	0.51
(1,302)	1:403:A:GLU:HG2	1:405:A:ALA:H	11	0.51
(1,231)	1:437:A:PHE:HB3	1:438:A:ILE:H	10	0.51
(1,221)	1:407:A:LEU:HG	1:462:A:ALA:H	14	0.51
(1,43)	1:438:A:ILE:H	1:439:A:ASP:H	5	0.51
(1,43)	1:438:A:ILE:H	1:439:A:ASP:H	10	0.51
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD11	5	0.51
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD12	5	0.51
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD13	5	0.51
(1,1601)	1:407:A:LEU:HG	1:453:A:TYR:HE1	17	0.5
(1,1601)	1:407:A:LEU:HG	1:453:A:TYR:HE2	17	0.5
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD1	12	0.5
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD2	12	0.5
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG21	6	0.5
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG22	6	0.5
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG23	6	0.5
(1,1498)	1:428:A:PHE:HE1	1:465:A:ALA:HA	13	0.5
(1,1498)	1:428:A:PHE:HE2	1:465:A:ALA:HA	13	0.5
(1,1492)	1:461:A:ALA:HB1	1:462:A:ALA:HA	9	0.5
(1,1492)	1:461:A:ALA:HB2	1:462:A:ALA:HA	9	0.5
(1,1492)	1:461:A:ALA:HB3	1:462:A:ALA:HA	9	0.5
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG21	5	0.5
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG22	5	0.5
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG23	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	15	0.5
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	15	0.5
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	10	0.5
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	10	0.5
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	10	0.5
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	10	0.5
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	10	0.5
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	10	0.5
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG11	9	0.5
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG12	9	0.5
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG13	9	0.5
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG11	9	0.5
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG12	9	0.5
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG13	9	0.5
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG11	11	0.5
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG12	11	0.5
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG13	11	0.5
(1,1314)	1:429:A:GLY:HA2	1:430:A:ASN:HA	1	0.5
(1,1314)	1:429:A:GLY:HA2	1:430:A:ASN:HA	12	0.5
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG21	17	0.5
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG22	17	0.5
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG23	17	0.5
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG21	17	0.5
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG22	17	0.5
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG23	17	0.5
(1,1248)	1:404:A:GLY:HA3	1:480:A:LEU:HG	12	0.5
(1,1247)	1:412:A:LEU:HG	1:421:A:ILE:HG13	8	0.5
(1,1233)	1:419:A:GLN:HB2	1:420:A:ASP:H	9	0.5
(1,1233)	1:419:A:GLN:HB2	1:420:A:ASP:H	12	0.5
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	11	0.5
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	11	0.5
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	11	0.5
(1,1157)	1:461:A:ALA:HA	1:464:A:GLN:H	2	0.5
(1,1098)	1:440:A:LYS:HA	1:442:A:THR:H	8	0.5
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD11	5	0.5
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD12	5	0.5
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD13	5	0.5
(1,1065)	1:422:A:LEU:HA	1:426:A:MET:H	15	0.5
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	3	0.5
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	3	0.5
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	3	0.5
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	3	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	3	0.5
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	3	0.5
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD11	8	0.5
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD12	8	0.5
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD13	8	0.5
(1,1005)	1:425:A:PHE:HB2	1:426:A:MET:H	6	0.5
(1,976)	1:438:A:ILE:HG21	1:443:A:ASN:H	13	0.5
(1,976)	1:438:A:ILE:HG22	1:443:A:ASN:H	13	0.5
(1,976)	1:438:A:ILE:HG23	1:443:A:ASN:H	13	0.5
(1,975)	1:438:A:ILE:HG21	1:439:A:ASP:H	19	0.5
(1,975)	1:438:A:ILE:HG22	1:439:A:ASP:H	19	0.5
(1,975)	1:438:A:ILE:HG23	1:439:A:ASP:H	19	0.5
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB1	8	0.5
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB2	8	0.5
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB3	8	0.5
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB1	8	0.5
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB2	8	0.5
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB3	8	0.5
(1,949)	1:461:A:ALA:HB1	1:462:A:ALA:HA	9	0.5
(1,949)	1:461:A:ALA:HB2	1:462:A:ALA:HA	9	0.5
(1,949)	1:461:A:ALA:HB3	1:462:A:ALA:HA	9	0.5
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD2	2	0.5
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD3	2	0.5
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	8	0.5
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	8	0.5
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	8	0.5
(1,803)	1:465:A:ALA:HB1	1:466:A:MET:HA	5	0.5
(1,803)	1:465:A:ALA:HB2	1:466:A:MET:HA	5	0.5
(1,803)	1:465:A:ALA:HB3	1:466:A:MET:HA	5	0.5
(1,750)	1:436:A:VAL:HG21	1:450:A:PHE:H	11	0.5
(1,750)	1:436:A:VAL:HG22	1:450:A:PHE:H	11	0.5
(1,750)	1:436:A:VAL:HG23	1:450:A:PHE:H	11	0.5
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	15	0.5
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	15	0.5
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG21	6	0.5
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG22	6	0.5
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG23	6	0.5
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG21	2	0.5
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG22	2	0.5
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG23	2	0.5
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD11	4	0.5
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD12	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD13	4	0.5
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD21	4	0.5
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD22	4	0.5
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD23	4	0.5
(1,632)	1:476:A:LEU:H	1:476:A:LEU:HG	11	0.5
(1,632)	1:476:A:LEU:H	1:476:A:LEU:HG	15	0.5
(1,632)	1:476:A:LEU:H	1:476:A:LEU:HG	18	0.5
(1,588)	1:409:A:ILE:H	1:449:A:GLY:H	20	0.5
(1,573)	1:463:A:ILE:HA	1:466:A:MET:H	11	0.5
(1,539)	1:453:A:TYR:HB2	1:454:A:ASP:H	19	0.5
(1,520)	1:433:A:SER:H	1:453:A:TYR:HA	14	0.5
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB1	5	0.5
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB2	5	0.5
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB3	5	0.5
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB1	5	0.5
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB2	5	0.5
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB3	5	0.5
(1,373)	1:457:A:VAL:HB	1:458:A:SER:H	14	0.5
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG21	2	0.5
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG22	2	0.5
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG23	2	0.5
(1,314)	1:474:A:LYS:HD2	1:475:A:ARG:H	7	0.5
(1,314)	1:474:A:LYS:HD3	1:475:A:ARG:H	7	0.5
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG11	6	0.5
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG12	6	0.5
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG13	6	0.5
(1,280)	1:458:A:SER:HB2	1:459:A:ALA:H	15	0.5
(1,258)	1:435:A:LYS:H	1:436:A:VAL:H	12	0.5
(1,247)	1:452:A:SER:HB3	1:453:A:TYR:H	19	0.5
(1,247)	1:452:A:SER:HB3	1:453:A:TYR:H	20	0.5
(1,231)	1:437:A:PHE:HB3	1:438:A:ILE:H	12	0.5
(1,210)	1:418:A:ASP:H	1:420:A:ASP:HB2	1	0.5
(1,148)	1:407:A:LEU:H	1:408:A:PHE:H	3	0.5
(1,139)	1:409:A:ILE:H	1:410:A:TYR:H	2	0.5
(1,101)	1:450:A:PHE:HB3	1:451:A:VAL:H	1	0.5
(1,23)	1:422:A:LEU:HA	1:426:A:MET:H	15	0.5
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD11	5	0.5
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD12	5	0.5
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD13	5	0.5
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	17	0.49
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	17	0.49
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD1	11	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD2	11	0.49
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD1	11	0.49
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD2	11	0.49
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD1	11	0.49
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD2	11	0.49
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	17	0.49
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	17	0.49
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	17	0.49
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	17	0.49
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	17	0.49
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	17	0.49
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD11	11	0.49
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD12	11	0.49
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD13	11	0.49
(1,1492)	1:461:A:ALA:HB1	1:462:A:ALA:HA	10	0.49
(1,1492)	1:461:A:ALA:HB2	1:462:A:ALA:HA	10	0.49
(1,1492)	1:461:A:ALA:HB3	1:462:A:ALA:HA	10	0.49
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	16	0.49
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	16	0.49
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	16	0.49
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	16	0.49
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	16	0.49
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	16	0.49
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB1	18	0.49
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB2	18	0.49
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB3	18	0.49
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB1	18	0.49
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB2	18	0.49
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB3	18	0.49
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB1	18	0.49
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB2	18	0.49
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB3	18	0.49
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG11	12	0.49
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG12	12	0.49
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG13	12	0.49
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG11	12	0.49
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG12	12	0.49
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG13	12	0.49
(1,1314)	1:429:A:GLY:HA2	1:430:A:ASN:HA	7	0.49
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG2	14	0.49
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG3	14	0.49
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG2	14	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG3	14	0.49
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG2	14	0.49
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG3	14	0.49
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG2	14	0.49
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG3	14	0.49
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG2	14	0.49
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG3	14	0.49
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG2	14	0.49
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG3	14	0.49
(1,1240)	1:432:A:ILE:HG12	1:454:A:ASP:H	7	0.49
(1,1240)	1:432:A:ILE:HG13	1:454:A:ASP:H	7	0.49
(1,1240)	1:432:A:ILE:HG12	1:454:A:ASP:H	14	0.49
(1,1240)	1:432:A:ILE:HG13	1:454:A:ASP:H	14	0.49
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	7	0.49
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	7	0.49
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	7	0.49
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	7	0.49
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	7	0.49
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	7	0.49
(1,1194)	1:403:A:GLU:HB3	1:404:A:GLY:H	18	0.49
(1,1159)	1:459:A:ALA:HA	1:461:A:ALA:HA	8	0.49
(1,1005)	1:425:A:PHE:HB2	1:426:A:MET:H	4	0.49
(1,1005)	1:425:A:PHE:HB2	1:426:A:MET:H	14	0.49
(1,982)	1:437:A:PHE:HB2	1:438:A:ILE:HB	20	0.49
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB1	14	0.49
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB2	14	0.49
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB3	14	0.49
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB1	14	0.49
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB2	14	0.49
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB3	14	0.49
(1,949)	1:461:A:ALA:HB1	1:462:A:ALA:HA	10	0.49
(1,949)	1:461:A:ALA:HB2	1:462:A:ALA:HA	10	0.49
(1,949)	1:461:A:ALA:HB3	1:462:A:ALA:HA	10	0.49
(1,939)	1:486:A:ASP:H	1:486:A:ASP:HB3	5	0.49
(1,939)	1:486:A:ASP:H	1:486:A:ASP:HB3	11	0.49
(1,926)	1:406:A:ASN:HB3	1:407:A:LEU:H	11	0.49
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	2	0.49
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	2	0.49
(1,888)	1:448:A:PHE:HB2	1:449:A:GLY:HA2	16	0.49
(1,888)	1:448:A:PHE:HB3	1:449:A:GLY:HA2	16	0.49
(1,885)	1:433:A:SER:HB2	1:434:A:ALA:H	16	0.49
(1,860)	1:409:A:ILE:HG21	1:450:A:PHE:H	18	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,860)	1:409:A:ILE:HG22	1:450:A:PHE:H	18	0.49
(1,860)	1:409:A:ILE:HG23	1:450:A:PHE:H	18	0.49
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	15	0.49
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	15	0.49
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	15	0.49
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	15	0.49
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	15	0.49
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	15	0.49
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	15	0.49
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	15	0.49
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	15	0.49
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	17	0.49
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	17	0.49
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	17	0.49
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	17	0.49
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	17	0.49
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	17	0.49
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB1	5	0.49
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB2	5	0.49
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB3	5	0.49
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	7	0.49
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	7	0.49
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	7	0.49
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	7	0.49
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	7	0.49
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	7	0.49
(1,803)	1:465:A:ALA:HB1	1:466:A:MET:HA	19	0.49
(1,803)	1:465:A:ALA:HB2	1:466:A:MET:HA	19	0.49
(1,803)	1:465:A:ALA:HB3	1:466:A:MET:HA	19	0.49
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB2	17	0.49
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB3	17	0.49
(1,763)	1:457:A:VAL:HG11	1:459:A:ALA:H	16	0.49
(1,763)	1:457:A:VAL:HG12	1:459:A:ALA:H	16	0.49
(1,763)	1:457:A:VAL:HG13	1:459:A:ALA:H	16	0.49
(1,763)	1:457:A:VAL:HG21	1:459:A:ALA:H	16	0.49
(1,763)	1:457:A:VAL:HG22	1:459:A:ALA:H	16	0.49
(1,763)	1:457:A:VAL:HG23	1:459:A:ALA:H	16	0.49
(1,759)	1:403:A:GLU:HA	1:404:A:GLY:HA3	1	0.49
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	6	0.49
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	6	0.49
(1,682)	1:442:A:THR:HB	1:443:A:ASN:H	11	0.49
(1,682)	1:442:A:THR:HB	1:443:A:ASN:H	20	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:410:A:TYR:HB2	1:412:A:LEU:HG	2	0.49
(1,629)	1:402:A:PRO:HD3	1:403:A:GLU:HB2	6	0.49
(1,629)	1:402:A:PRO:HD3	1:403:A:GLU:HB2	9	0.49
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG11	17	0.49
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG12	17	0.49
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG13	17	0.49
(1,614)	1:407:A:LEU:H	1:407:A:LEU:HG	10	0.49
(1,612)	1:407:A:LEU:HG	1:451:A:VAL:H	8	0.49
(1,549)	1:403:A:GLU:HB3	1:404:A:GLY:H	18	0.49
(1,504)	1:409:A:ILE:HA	1:412:A:LEU:H	7	0.49
(1,468)	1:421:A:ILE:HG21	1:423:A:GLN:H	7	0.49
(1,468)	1:421:A:ILE:HG22	1:423:A:GLN:H	7	0.49
(1,468)	1:421:A:ILE:HG23	1:423:A:GLN:H	7	0.49
(1,446)	1:418:A:ASP:HB3	1:419:A:GLN:H	2	0.49
(1,366)	1:467:A:ASN:HB3	1:468:A:GLY:H	9	0.49
(1,329)	1:402:A:PRO:HG2	1:403:A:GLU:H	3	0.49
(1,281)	1:455:A:ASN:HB3	1:459:A:ALA:H	10	0.49
(1,280)	1:458:A:SER:HB2	1:459:A:ALA:H	16	0.49
(1,261)	1:486:A:ASP:H	1:486:A:ASP:HB3	5	0.49
(1,261)	1:486:A:ASP:H	1:486:A:ASP:HB3	11	0.49
(1,258)	1:435:A:LYS:H	1:436:A:VAL:H	2	0.49
(1,247)	1:452:A:SER:HB3	1:453:A:TYR:H	4	0.49
(1,247)	1:452:A:SER:HB3	1:453:A:TYR:H	7	0.49
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD11	7	0.49
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD12	7	0.49
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD13	7	0.49
(1,231)	1:437:A:PHE:HB3	1:438:A:ILE:H	19	0.49
(1,210)	1:418:A:ASP:H	1:420:A:ASP:HB2	9	0.49
(1,210)	1:418:A:ASP:H	1:420:A:ASP:HB2	13	0.49
(1,206)	1:412:A:LEU:HD11	1:416:A:PHE:H	4	0.49
(1,206)	1:412:A:LEU:HD12	1:416:A:PHE:H	4	0.49
(1,206)	1:412:A:LEU:HD13	1:416:A:PHE:H	4	0.49
(1,206)	1:412:A:LEU:HD21	1:416:A:PHE:H	4	0.49
(1,206)	1:412:A:LEU:HD22	1:416:A:PHE:H	4	0.49
(1,206)	1:412:A:LEU:HD23	1:416:A:PHE:H	4	0.49
(1,184)	1:479:A:GLN:H	1:480:A:LEU:H	20	0.49
(1,154)	1:406:A:ASN:HB3	1:407:A:LEU:H	11	0.49
(1,148)	1:407:A:LEU:H	1:408:A:PHE:H	15	0.49
(1,139)	1:409:A:ILE:H	1:410:A:TYR:H	9	0.49
(1,133)	1:405:A:ALA:HB1	1:451:A:VAL:H	7	0.49
(1,133)	1:405:A:ALA:HB2	1:451:A:VAL:H	7	0.49
(1,133)	1:405:A:ALA:HB3	1:451:A:VAL:H	7	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:405:A:ALA:HB1	1:451:A:VAL:H	20	0.49
(1,133)	1:405:A:ALA:HB2	1:451:A:VAL:H	20	0.49
(1,133)	1:405:A:ALA:HB3	1:451:A:VAL:H	20	0.49
(1,105)	1:408:A:PHE:HB3	1:479:A:GLN:H	6	0.49
(1,93)	1:476:A:LEU:H	1:477:A:LYS:H	20	0.49
(1,78)	1:434:A:ALA:H	1:435:A:LYS:H	5	0.49
(1,71)	1:414:A:GLN:H	1:414:A:GLN:HG3	17	0.49
(1,29)	1:439:A:ASP:HB3	1:440:A:LYS:H	2	0.49
(1,5)	1:469:A:PHE:HB2	1:470:A:GLN:H	4	0.49
(1,1604)	1:410:A:TYR:HA	1:410:A:TYR:HE1	12	0.48
(1,1604)	1:410:A:TYR:HA	1:410:A:TYR:HE2	12	0.48
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD1	19	0.48
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD2	19	0.48
(1,1492)	1:461:A:ALA:HB1	1:462:A:ALA:HA	6	0.48
(1,1492)	1:461:A:ALA:HB2	1:462:A:ALA:HA	6	0.48
(1,1492)	1:461:A:ALA:HB3	1:462:A:ALA:HA	6	0.48
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG21	8	0.48
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG22	8	0.48
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG23	8	0.48
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG11	1	0.48
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG12	1	0.48
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG13	1	0.48
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD11	6	0.48
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD12	6	0.48
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD13	6	0.48
(1,1408)	1:431:A:VAL:HA	1:432:A:ILE:HA	7	0.48
(1,1408)	1:431:A:VAL:HA	1:432:A:ILE:HA	13	0.48
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	2	0.48
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	2	0.48
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	2	0.48
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	2	0.48
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	2	0.48
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	2	0.48
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	2	0.48
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	2	0.48
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	2	0.48
(1,1344)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	15	0.48
(1,1344)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	15	0.48
(1,1344)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	15	0.48
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG11	8	0.48
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG12	8	0.48
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG13	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:429:A:GLY:HA2	1:430:A:ASN:HA	8	0.48
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG2	18	0.48
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG3	18	0.48
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG2	18	0.48
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG3	18	0.48
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG2	18	0.48
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG3	18	0.48
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG2	18	0.48
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG3	18	0.48
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG2	18	0.48
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG3	18	0.48
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG2	18	0.48
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG3	18	0.48
(1,1247)	1:412:A:LEU:HG	1:421:A:ILE:HG13	7	0.48
(1,1233)	1:419:A:GLN:HB2	1:420:A:ASP:H	3	0.48
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG2	20	0.48
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG3	20	0.48
(1,1097)	1:441:A:GLN:HA	1:444:A:LEU:H	7	0.48
(1,1069)	1:432:A:ILE:HD11	1:454:A:ASP:HA	17	0.48
(1,1069)	1:432:A:ILE:HD12	1:454:A:ASP:HA	17	0.48
(1,1069)	1:432:A:ILE:HD13	1:454:A:ASP:HA	17	0.48
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD11	17	0.48
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD12	17	0.48
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD13	17	0.48
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	12	0.48
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	12	0.48
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	12	0.48
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	12	0.48
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	12	0.48
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	12	0.48
(1,1005)	1:425:A:PHE:HB2	1:426:A:MET:H	7	0.48
(1,982)	1:437:A:PHE:HB2	1:438:A:ILE:HB	3	0.48
(1,949)	1:461:A:ALA:HB1	1:462:A:ALA:HA	6	0.48
(1,949)	1:461:A:ALA:HB2	1:462:A:ALA:HA	6	0.48
(1,949)	1:461:A:ALA:HB3	1:462:A:ALA:HA	6	0.48
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	2	0.48
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	2	0.48
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	2	0.48
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	2	0.48
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	2	0.48
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	2	0.48
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	2	0.48
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	2	0.48
(1,926)	1:406:A:ASN:HB3	1:407:A:LEU:H	7	0.48
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB1	2	0.48
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB2	2	0.48
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB3	2	0.48
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB1	2	0.48
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB2	2	0.48
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB3	2	0.48
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB1	2	0.48
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB2	2	0.48
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB3	2	0.48
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB2	2	0.48
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB3	2	0.48
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB2	18	0.48
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB3	18	0.48
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	11	0.48
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	11	0.48
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	11	0.48
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	11	0.48
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	11	0.48
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	11	0.48
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	11	0.48
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	11	0.48
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	11	0.48
(1,763)	1:457:A:VAL:HG11	1:459:A:ALA:H	3	0.48
(1,763)	1:457:A:VAL:HG12	1:459:A:ALA:H	3	0.48
(1,763)	1:457:A:VAL:HG13	1:459:A:ALA:H	3	0.48
(1,763)	1:457:A:VAL:HG21	1:459:A:ALA:H	3	0.48
(1,763)	1:457:A:VAL:HG22	1:459:A:ALA:H	3	0.48
(1,763)	1:457:A:VAL:HG23	1:459:A:ALA:H	3	0.48
(1,763)	1:457:A:VAL:HG11	1:459:A:ALA:H	7	0.48
(1,763)	1:457:A:VAL:HG12	1:459:A:ALA:H	7	0.48
(1,763)	1:457:A:VAL:HG13	1:459:A:ALA:H	7	0.48
(1,763)	1:457:A:VAL:HG21	1:459:A:ALA:H	7	0.48
(1,763)	1:457:A:VAL:HG22	1:459:A:ALA:H	7	0.48
(1,763)	1:457:A:VAL:HG23	1:459:A:ALA:H	7	0.48
(1,759)	1:403:A:GLU:HA	1:404:A:GLY:HA3	6	0.48
(1,759)	1:403:A:GLU:HA	1:404:A:GLY:HA3	7	0.48
(1,682)	1:442:A:THR:HB	1:443:A:ASN:H	9	0.48
(1,682)	1:442:A:THR:HB	1:443:A:ASN:H	12	0.48
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB2	13	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB3	13	0.48
(1,649)	1:407:A:LEU:HD11	1:479:A:GLN:HA	3	0.48
(1,649)	1:407:A:LEU:HD12	1:479:A:GLN:HA	3	0.48
(1,649)	1:407:A:LEU:HD13	1:479:A:GLN:HA	3	0.48
(1,649)	1:407:A:LEU:HD21	1:479:A:GLN:HA	3	0.48
(1,649)	1:407:A:LEU:HD22	1:479:A:GLN:HA	3	0.48
(1,649)	1:407:A:LEU:HD23	1:479:A:GLN:HA	3	0.48
(1,638)	1:413:A:PRO:HD2	1:476:A:LEU:HG	11	0.48
(1,638)	1:413:A:PRO:HD3	1:476:A:LEU:HG	11	0.48
(1,626)	1:401:A:GLY:H	1:402:A:PRO:HD3	2	0.48
(1,615)	1:407:A:LEU:HG	1:462:A:ALA:H	7	0.48
(1,588)	1:409:A:ILE:H	1:449:A:GLY:H	16	0.48
(1,573)	1:463:A:ILE:HA	1:466:A:MET:H	9	0.48
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG21	7	0.48
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG22	7	0.48
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG23	7	0.48
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG11	3	0.48
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG12	3	0.48
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG13	3	0.48
(1,546)	1:404:A:GLY:H	1:406:A:ASN:HD22	5	0.48
(1,520)	1:433:A:SER:H	1:453:A:TYR:HA	10	0.48
(1,496)	1:455:A:ASN:HA	1:455:A:ASN:HD22	16	0.48
(1,481)	1:406:A:ASN:H	1:407:A:LEU:H	19	0.48
(1,446)	1:418:A:ASP:HB3	1:419:A:GLN:H	3	0.48
(1,373)	1:457:A:VAL:HB	1:458:A:SER:H	1	0.48
(1,310)	1:475:A:ARG:H	1:475:A:ARG:HD2	17	0.48
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG11	20	0.48
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG12	20	0.48
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG13	20	0.48
(1,283)	1:407:A:LEU:HG	1:459:A:ALA:H	10	0.48
(1,280)	1:458:A:SER:HB2	1:459:A:ALA:H	18	0.48
(1,258)	1:435:A:LYS:H	1:436:A:VAL:H	8	0.48
(1,231)	1:437:A:PHE:HB3	1:438:A:ILE:H	2	0.48
(1,221)	1:407:A:LEU:HG	1:462:A:ALA:H	7	0.48
(1,207)	1:417:A:GLY:H	1:418:A:ASP:H	15	0.48
(1,184)	1:479:A:GLN:H	1:480:A:LEU:H	7	0.48
(1,154)	1:406:A:ASN:HB3	1:407:A:LEU:H	7	0.48
(1,152)	1:406:A:ASN:H	1:407:A:LEU:H	19	0.48
(1,148)	1:407:A:LEU:H	1:408:A:PHE:H	19	0.48
(1,139)	1:409:A:ILE:H	1:410:A:TYR:H	13	0.48
(1,139)	1:409:A:ILE:H	1:410:A:TYR:H	18	0.48
(1,93)	1:476:A:LEU:H	1:477:A:LYS:H	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,78)	1:434:A:ALA:H	1:435:A:LYS:H	9	0.48
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD11	16	0.48
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD12	16	0.48
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD13	16	0.48
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE1	3	0.47
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE2	3	0.47
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD1	14	0.47
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD2	14	0.47
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD1	14	0.47
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD2	14	0.47
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD1	14	0.47
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD2	14	0.47
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD1	14	0.47
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD2	14	0.47
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD1	14	0.47
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD2	14	0.47
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD1	14	0.47
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD2	14	0.47
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD1	17	0.47
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD2	17	0.47
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD1	17	0.47
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD2	17	0.47
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD1	17	0.47
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD2	17	0.47
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD1	17	0.47
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD2	17	0.47
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD1	17	0.47
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD2	17	0.47
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD1	17	0.47
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD2	17	0.47
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD1	11	0.47
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD2	11	0.47
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD1	15	0.47
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD2	15	0.47
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	3	0.47
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	3	0.47
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	3	0.47
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	3	0.47
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	3	0.47
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	3	0.47
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD1	15	0.47
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD2	15	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD2	4	0.47
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD3	4	0.47
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD2	3	0.47
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD3	3	0.47
(1,1492)	1:461:A:ALA:HB1	1:462:A:ALA:HA	7	0.47
(1,1492)	1:461:A:ALA:HB2	1:462:A:ALA:HA	7	0.47
(1,1492)	1:461:A:ALA:HB3	1:462:A:ALA:HA	7	0.47
(1,1492)	1:461:A:ALA:HB1	1:462:A:ALA:HA	14	0.47
(1,1492)	1:461:A:ALA:HB2	1:462:A:ALA:HA	14	0.47
(1,1492)	1:461:A:ALA:HB3	1:462:A:ALA:HA	14	0.47
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD2	4	0.47
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD3	4	0.47
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG21	14	0.47
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG22	14	0.47
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG23	14	0.47
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD2	3	0.47
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD3	3	0.47
(1,1408)	1:431:A:VAL:HA	1:432:A:ILE:HA	14	0.47
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB1	2	0.47
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB2	2	0.47
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB3	2	0.47
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB1	2	0.47
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB2	2	0.47
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB3	2	0.47
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB1	2	0.47
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB2	2	0.47
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB3	2	0.47
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB1	13	0.47
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB2	13	0.47
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB3	13	0.47
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB1	13	0.47
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB2	13	0.47
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB3	13	0.47
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB1	13	0.47
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB2	13	0.47
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB3	13	0.47
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	20	0.47
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	20	0.47
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	20	0.47
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	20	0.47
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	20	0.47
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	20	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	20	0.47
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	20	0.47
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	20	0.47
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG11	10	0.47
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG12	10	0.47
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG13	10	0.47
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG11	10	0.47
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG12	10	0.47
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG13	10	0.47
(1,1314)	1:429:A:GLY:HA2	1:430:A:ASN:HA	6	0.47
(1,1289)	1:431:A:VAL:HG11	1:453:A:TYR:HA	17	0.47
(1,1289)	1:431:A:VAL:HG12	1:453:A:TYR:HA	17	0.47
(1,1289)	1:431:A:VAL:HG13	1:453:A:TYR:HA	17	0.47
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB1	11	0.47
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB2	11	0.47
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB3	11	0.47
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB1	11	0.47
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB2	11	0.47
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB3	11	0.47
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB1	11	0.47
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB2	11	0.47
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB3	11	0.47
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB1	11	0.47
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB2	11	0.47
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB3	11	0.47
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB1	11	0.47
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB2	11	0.47
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB3	11	0.47
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB1	11	0.47
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB2	11	0.47
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB3	11	0.47
(1,1248)	1:404:A:GLY:HA3	1:480:A:LEU:HG	1	0.47
(1,1248)	1:404:A:GLY:HA3	1:480:A:LEU:HG	4	0.47
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	9	0.47
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	9	0.47
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	9	0.47
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	9	0.47
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	9	0.47
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	9	0.47
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	9	0.47
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	9	0.47
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	9	0.47
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	9	0.47
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	9	0.47
(1,1233)	1:419:A:GLN:HB2	1:420:A:ASP:H	5	0.47
(1,1201)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	6	0.47
(1,1201)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	6	0.47
(1,1194)	1:403:A:GLU:HB3	1:404:A:GLY:H	10	0.47
(1,1182)	1:432:A:ILE:HG21	1:454:A:ASP:HA	9	0.47
(1,1182)	1:432:A:ILE:HG22	1:454:A:ASP:HA	9	0.47
(1,1182)	1:432:A:ILE:HG23	1:454:A:ASP:HA	9	0.47
(1,1181)	1:479:A:GLN:HA	1:480:A:LEU:HG	5	0.47
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB2	15	0.47
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB3	15	0.47
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB2	15	0.47
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB3	15	0.47
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD11	9	0.47
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD12	9	0.47
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD13	9	0.47
(1,949)	1:461:A:ALA:HB1	1:462:A:ALA:HA	7	0.47
(1,949)	1:461:A:ALA:HB2	1:462:A:ALA:HA	7	0.47
(1,949)	1:461:A:ALA:HB3	1:462:A:ALA:HA	7	0.47
(1,949)	1:461:A:ALA:HB1	1:462:A:ALA:HA	14	0.47
(1,949)	1:461:A:ALA:HB2	1:462:A:ALA:HA	14	0.47
(1,949)	1:461:A:ALA:HB3	1:462:A:ALA:HA	14	0.47
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	20	0.47
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	20	0.47
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	20	0.47
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	20	0.47
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	20	0.47
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	20	0.47
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	20	0.47
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	20	0.47
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	20	0.47
(1,885)	1:433:A:SER:HB2	1:434:A:ALA:H	7	0.47
(1,885)	1:433:A:SER:HB2	1:434:A:ALA:H	10	0.47
(1,883)	1:453:A:TYR:HB3	1:454:A:ASP:H	2	0.47
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD2	14	0.47
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD3	14	0.47
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD2	19	0.47
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD3	19	0.47
(1,860)	1:409:A:ILE:HG21	1:450:A:PHE:H	19	0.47
(1,860)	1:409:A:ILE:HG22	1:450:A:PHE:H	19	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,860)	1:409:A:ILE:HG23	1:450:A:PHE:H	19	0.47
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	7	0.47
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	7	0.47
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	7	0.47
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	7	0.47
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	7	0.47
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	7	0.47
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	7	0.47
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	7	0.47
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	7	0.47
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	3	0.47
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	3	0.47
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	3	0.47
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	3	0.47
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	3	0.47
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	3	0.47
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB1	2	0.47
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB2	2	0.47
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB3	2	0.47
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB2	8	0.47
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB3	8	0.47
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB2	8	0.47
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB3	8	0.47
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB2	8	0.47
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB3	8	0.47
(1,803)	1:465:A:ALA:HB1	1:466:A:MET:HA	7	0.47
(1,803)	1:465:A:ALA:HB2	1:466:A:MET:HA	7	0.47
(1,803)	1:465:A:ALA:HB3	1:466:A:MET:HA	7	0.47
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB1	7	0.47
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB2	7	0.47
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB3	7	0.47
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB1	7	0.47
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB2	7	0.47
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB3	7	0.47
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB1	7	0.47
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB2	7	0.47
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB3	7	0.47
(1,763)	1:457:A:VAL:HG11	1:459:A:ALA:H	17	0.47
(1,763)	1:457:A:VAL:HG12	1:459:A:ALA:H	17	0.47
(1,763)	1:457:A:VAL:HG13	1:459:A:ALA:H	17	0.47
(1,763)	1:457:A:VAL:HG21	1:459:A:ALA:H	17	0.47
(1,763)	1:457:A:VAL:HG22	1:459:A:ALA:H	17	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:457:A:VAL:HG23	1:459:A:ALA:H	17	0.47
(1,759)	1:403:A:GLU:HA	1:404:A:GLY:HA3	9	0.47
(1,750)	1:436:A:VAL:HG21	1:450:A:PHE:H	19	0.47
(1,750)	1:436:A:VAL:HG22	1:450:A:PHE:H	19	0.47
(1,750)	1:436:A:VAL:HG23	1:450:A:PHE:H	19	0.47
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG21	17	0.47
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG22	17	0.47
(1,747)	1:431:A:VAL:HG11	1:451:A:VAL:HG23	17	0.47
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG21	17	0.47
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG22	17	0.47
(1,747)	1:431:A:VAL:HG12	1:451:A:VAL:HG23	17	0.47
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG21	17	0.47
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG22	17	0.47
(1,747)	1:431:A:VAL:HG13	1:451:A:VAL:HG23	17	0.47
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	6	0.47
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	6	0.47
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	6	0.47
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG2	2	0.47
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG3	2	0.47
(1,682)	1:442:A:THR:HB	1:443:A:ASN:H	10	0.47
(1,632)	1:476:A:LEU:H	1:476:A:LEU:HG	6	0.47
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG11	18	0.47
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG12	18	0.47
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG13	18	0.47
(1,615)	1:407:A:LEU:HG	1:462:A:ALA:H	6	0.47
(1,583)	1:426:A:MET:HA	1:428:A:PHE:H	17	0.47
(1,583)	1:426:A:MET:HA	1:428:A:PHE:H	19	0.47
(1,565)	1:410:A:TYR:HB2	1:411:A:HIS:H	12	0.47
(1,549)	1:403:A:GLU:HB3	1:404:A:GLY:H	10	0.47
(1,546)	1:404:A:GLY:H	1:406:A:ASN:HD22	16	0.47
(1,542)	1:453:A:TYR:HB3	1:454:A:ASP:H	2	0.47
(1,468)	1:421:A:ILE:HG21	1:423:A:GLN:H	8	0.47
(1,468)	1:421:A:ILE:HG22	1:423:A:GLN:H	8	0.47
(1,468)	1:421:A:ILE:HG23	1:423:A:GLN:H	8	0.47
(1,468)	1:421:A:ILE:HG21	1:423:A:GLN:H	10	0.47
(1,468)	1:421:A:ILE:HG22	1:423:A:GLN:H	10	0.47
(1,468)	1:421:A:ILE:HG23	1:423:A:GLN:H	10	0.47
(1,467)	1:422:A:LEU:HD11	1:423:A:GLN:H	10	0.47
(1,467)	1:422:A:LEU:HD12	1:423:A:GLN:H	10	0.47
(1,467)	1:422:A:LEU:HD13	1:423:A:GLN:H	10	0.47
(1,467)	1:422:A:LEU:HD21	1:423:A:GLN:H	10	0.47
(1,467)	1:422:A:LEU:HD22	1:423:A:GLN:H	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,467)	1:422:A:LEU:HD23	1:423:A:GLN:H	10	0.47
(1,467)	1:422:A:LEU:HD11	1:423:A:GLN:H	13	0.47
(1,467)	1:422:A:LEU:HD12	1:423:A:GLN:H	13	0.47
(1,467)	1:422:A:LEU:HD13	1:423:A:GLN:H	13	0.47
(1,467)	1:422:A:LEU:HD21	1:423:A:GLN:H	13	0.47
(1,467)	1:422:A:LEU:HD22	1:423:A:GLN:H	13	0.47
(1,467)	1:422:A:LEU:HD23	1:423:A:GLN:H	13	0.47
(1,425)	1:438:A:ILE:HB	1:443:A:ASN:H	6	0.47
(1,425)	1:438:A:ILE:HB	1:443:A:ASN:H	15	0.47
(1,379)	1:442:A:THR:HB	1:444:A:LEU:H	5	0.47
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB1	7	0.47
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB2	7	0.47
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB3	7	0.47
(1,306)	1:475:A:ARG:H	1:476:A:LEU:H	19	0.47
(1,298)	1:405:A:ALA:H	1:453:A:TYR:HB3	15	0.47
(1,280)	1:458:A:SER:HB2	1:459:A:ALA:H	14	0.47
(1,271)	1:456:A:PRO:HD2	1:457:A:VAL:H	17	0.47
(1,231)	1:437:A:PHE:HB3	1:438:A:ILE:H	1	0.47
(1,231)	1:437:A:PHE:HB3	1:438:A:ILE:H	15	0.47
(1,227)	1:418:A:ASP:H	1:436:A:VAL:HB	3	0.47
(1,227)	1:418:A:ASP:H	1:436:A:VAL:HB	9	0.47
(1,221)	1:407:A:LEU:HG	1:462:A:ALA:H	6	0.47
(1,210)	1:418:A:ASP:H	1:420:A:ASP:HB2	3	0.47
(1,187)	1:460:A:GLN:HG2	1:461:A:ALA:H	2	0.47
(1,187)	1:460:A:GLN:HG3	1:461:A:ALA:H	2	0.47
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD2	2	0.47
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD3	2	0.47
(1,120)	1:473:A:MET:H	1:473:A:MET:HG3	6	0.47
(1,105)	1:408:A:PHE:HB3	1:479:A:GLN:H	3	0.47
(1,103)	1:407:A:LEU:HG	1:479:A:GLN:H	18	0.47
(1,103)	1:407:A:LEU:HG	1:479:A:GLN:H	20	0.47
(1,93)	1:476:A:LEU:H	1:477:A:LYS:H	17	0.47
(1,93)	1:476:A:LEU:H	1:477:A:LYS:H	18	0.47
(1,78)	1:434:A:ALA:H	1:435:A:LYS:H	1	0.47
(1,78)	1:434:A:ALA:H	1:435:A:LYS:H	2	0.47
(1,78)	1:434:A:ALA:H	1:435:A:LYS:H	7	0.47
(1,78)	1:434:A:ALA:H	1:435:A:LYS:H	10	0.47
(1,78)	1:434:A:ALA:H	1:435:A:LYS:H	15	0.47
(1,43)	1:438:A:ILE:H	1:439:A:ASP:H	15	0.47
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB1	7	0.46
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB2	7	0.46
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB3	7	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB1	7	0.46
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB2	7	0.46
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB3	7	0.46
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	12	0.46
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	12	0.46
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD2	14	0.46
(1,1511)	1:477:A:LYS:HA	1:477:A:LYS:HD3	14	0.46
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG11	12	0.46
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG12	12	0.46
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG13	12	0.46
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	18	0.46
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	18	0.46
(1,1468)	1:484:A:LYS:HA	1:485:A:ASN:HA	20	0.46
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG11	14	0.46
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG12	14	0.46
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG13	14	0.46
(1,1408)	1:431:A:VAL:HA	1:432:A:ILE:HA	6	0.46
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	11	0.46
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	11	0.46
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	11	0.46
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	11	0.46
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	11	0.46
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	11	0.46
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	11	0.46
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	11	0.46
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	11	0.46
(1,1347)	1:475:A:ARG:HA	1:475:A:ARG:HD3	16	0.46
(1,1314)	1:429:A:GLY:HA2	1:430:A:ASN:HA	3	0.46
(1,1314)	1:429:A:GLY:HA2	1:430:A:ASN:HA	14	0.46
(1,1314)	1:429:A:GLY:HA2	1:430:A:ASN:HA	16	0.46
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG21	9	0.46
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG22	9	0.46
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG23	9	0.46
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG21	9	0.46
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG22	9	0.46
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG23	9	0.46
(1,1247)	1:412:A:LEU:HG	1:421:A:ILE:HG13	4	0.46
(1,1247)	1:412:A:LEU:HG	1:421:A:ILE:HG13	6	0.46
(1,1233)	1:419:A:GLN:HB2	1:420:A:ASP:H	7	0.46
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	5	0.46
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	5	0.46
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	5	0.46
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	5	0.46
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	5	0.46
(1,1219)	1:414:A:GLN:HB2	1:415:A:GLU:H	9	0.46
(1,1219)	1:414:A:GLN:HB2	1:415:A:GLU:H	17	0.46
(1,1219)	1:414:A:GLN:HB2	1:415:A:GLU:H	18	0.46
(1,1194)	1:403:A:GLU:HB3	1:404:A:GLY:H	9	0.46
(1,1194)	1:403:A:GLU:HB3	1:404:A:GLY:H	17	0.46
(1,1097)	1:441:A:GLN:HA	1:444:A:LEU:H	8	0.46
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD11	13	0.46
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD12	13	0.46
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD13	13	0.46
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD11	4	0.46
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD12	4	0.46
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD13	4	0.46
(1,975)	1:438:A:ILE:HG21	1:439:A:ASP:H	14	0.46
(1,975)	1:438:A:ILE:HG22	1:439:A:ASP:H	14	0.46
(1,975)	1:438:A:ILE:HG23	1:439:A:ASP:H	14	0.46
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG21	4	0.46
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG22	4	0.46
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG23	4	0.46
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG21	4	0.46
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG22	4	0.46
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG23	4	0.46
(1,960)	1:432:A:ILE:HG21	1:433:A:SER:H	5	0.46
(1,960)	1:432:A:ILE:HG22	1:433:A:SER:H	5	0.46
(1,960)	1:432:A:ILE:HG23	1:433:A:SER:H	5	0.46
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB1	9	0.46
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB2	9	0.46
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB3	9	0.46
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB1	9	0.46
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB2	9	0.46
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB3	9	0.46
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	11	0.46
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	11	0.46
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	11	0.46
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	11	0.46
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	11	0.46
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	11	0.46
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	11	0.46
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	11	0.46
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,888)	1:448:A:PHE:HB2	1:449:A:GLY:HA2	14	0.46
(1,888)	1:448:A:PHE:HB3	1:449:A:GLY:HA2	14	0.46
(1,874)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	17	0.46
(1,874)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	20	0.46
(1,860)	1:409:A:ILE:HG21	1:450:A:PHE:H	5	0.46
(1,860)	1:409:A:ILE:HG22	1:450:A:PHE:H	5	0.46
(1,860)	1:409:A:ILE:HG23	1:450:A:PHE:H	5	0.46
(1,850)	1:405:A:ALA:HB1	1:406:A:ASN:HD22	11	0.46
(1,850)	1:405:A:ALA:HB2	1:406:A:ASN:HD22	11	0.46
(1,850)	1:405:A:ALA:HB3	1:406:A:ASN:HD22	11	0.46
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	8	0.46
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	8	0.46
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	8	0.46
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	8	0.46
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	8	0.46
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	8	0.46
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	8	0.46
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	8	0.46
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	8	0.46
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB1	13	0.46
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB2	13	0.46
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB3	13	0.46
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB1	20	0.46
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB2	20	0.46
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB3	20	0.46
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB2	19	0.46
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB3	19	0.46
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB2	19	0.46
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB3	19	0.46
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB2	19	0.46
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB3	19	0.46
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	5	0.46
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	5	0.46
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	5	0.46
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	5	0.46
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	5	0.46
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	5	0.46
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB2	11	0.46
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB3	11	0.46
(1,759)	1:403:A:GLU:HA	1:404:A:GLY:HA3	3	0.46
(1,759)	1:403:A:GLU:HA	1:404:A:GLY:HA3	19	0.46
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG11	12	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG12	12	0.46
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG13	12	0.46
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG11	17	0.46
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG12	17	0.46
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG13	17	0.46
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG11	17	0.46
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG12	17	0.46
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG13	17	0.46
(1,735)	1:431:A:VAL:HG11	1:451:A:VAL:HB	18	0.46
(1,735)	1:431:A:VAL:HG12	1:451:A:VAL:HB	18	0.46
(1,735)	1:431:A:VAL:HG13	1:451:A:VAL:HB	18	0.46
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD2	15	0.46
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD3	15	0.46
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD2	15	0.46
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD3	15	0.46
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD2	15	0.46
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD3	15	0.46
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD11	14	0.46
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD12	14	0.46
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD13	14	0.46
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD21	14	0.46
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD22	14	0.46
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD23	14	0.46
(1,682)	1:442:A:THR:HB	1:443:A:ASN:H	2	0.46
(1,682)	1:442:A:THR:HB	1:443:A:ASN:H	16	0.46
(1,663)	1:412:A:LEU:H	1:412:A:LEU:HG	12	0.46
(1,643)	1:410:A:TYR:HB2	1:412:A:LEU:HG	14	0.46
(1,632)	1:476:A:LEU:H	1:476:A:LEU:HG	20	0.46
(1,615)	1:407:A:LEU:HG	1:462:A:ALA:H	1	0.46
(1,615)	1:407:A:LEU:HG	1:462:A:ALA:H	3	0.46
(1,615)	1:407:A:LEU:HG	1:462:A:ALA:H	19	0.46
(1,612)	1:407:A:LEU:HG	1:451:A:VAL:H	9	0.46
(1,549)	1:403:A:GLU:HB3	1:404:A:GLY:H	9	0.46
(1,549)	1:403:A:GLU:HB3	1:404:A:GLY:H	17	0.46
(1,534)	1:453:A:TYR:HD1	1:454:A:ASP:H	12	0.46
(1,534)	1:453:A:TYR:HD2	1:454:A:ASP:H	12	0.46
(1,520)	1:433:A:SER:H	1:453:A:TYR:HA	5	0.46
(1,504)	1:409:A:ILE:HA	1:412:A:LEU:H	10	0.46
(1,481)	1:406:A:ASN:H	1:407:A:LEU:H	9	0.46
(1,481)	1:406:A:ASN:H	1:407:A:LEU:H	17	0.46
(1,478)	1:444:A:LEU:HB2	1:445:A:SER:H	18	0.46
(1,467)	1:422:A:LEU:HD11	1:423:A:GLN:H	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,467)	1:422:A:LEU:HD12	1:423:A:GLN:H	1	0.46
(1,467)	1:422:A:LEU:HD13	1:423:A:GLN:H	1	0.46
(1,467)	1:422:A:LEU:HD21	1:423:A:GLN:H	1	0.46
(1,467)	1:422:A:LEU:HD22	1:423:A:GLN:H	1	0.46
(1,467)	1:422:A:LEU:HD23	1:423:A:GLN:H	1	0.46
(1,467)	1:422:A:LEU:HD11	1:423:A:GLN:H	19	0.46
(1,467)	1:422:A:LEU:HD12	1:423:A:GLN:H	19	0.46
(1,467)	1:422:A:LEU:HD13	1:423:A:GLN:H	19	0.46
(1,467)	1:422:A:LEU:HD21	1:423:A:GLN:H	19	0.46
(1,467)	1:422:A:LEU:HD22	1:423:A:GLN:H	19	0.46
(1,467)	1:422:A:LEU:HD23	1:423:A:GLN:H	19	0.46
(1,453)	1:456:A:PRO:HA	1:460:A:GLN:H	18	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD11	11	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD12	11	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD13	11	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD21	11	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD22	11	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD23	11	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD11	14	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD12	14	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD13	14	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD21	14	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD22	14	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD23	14	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD11	15	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD12	15	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD13	15	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD21	15	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD22	15	0.46
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD23	15	0.46
(1,446)	1:418:A:ASP:HB3	1:419:A:GLN:H	7	0.46
(1,446)	1:418:A:ASP:HB3	1:419:A:GLN:H	11	0.46
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD11	9	0.46
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD12	9	0.46
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD13	9	0.46
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD21	9	0.46
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD22	9	0.46
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD23	9	0.46
(1,425)	1:438:A:ILE:HB	1:443:A:ASN:H	1	0.46
(1,425)	1:438:A:ILE:HB	1:443:A:ASN:H	5	0.46
(1,400)	1:426:A:MET:HE1	1:430:A:ASN:H	17	0.46
(1,400)	1:426:A:MET:HE2	1:430:A:ASN:H	17	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:426:A:MET:HE3	1:430:A:ASN:H	17	0.46
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB1	19	0.46
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB2	19	0.46
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB3	19	0.46
(1,373)	1:457:A:VAL:HB	1:458:A:SER:H	4	0.46
(1,366)	1:467:A:ASN:HB3	1:468:A:GLY:H	3	0.46
(1,366)	1:467:A:ASN:HB3	1:468:A:GLY:H	8	0.46
(1,314)	1:474:A:LYS:HD2	1:475:A:ARG:H	8	0.46
(1,314)	1:474:A:LYS:HD3	1:475:A:ARG:H	8	0.46
(1,283)	1:407:A:LEU:HG	1:459:A:ALA:H	14	0.46
(1,247)	1:452:A:SER:HB3	1:453:A:TYR:H	8	0.46
(1,221)	1:407:A:LEU:HG	1:462:A:ALA:H	1	0.46
(1,221)	1:407:A:LEU:HG	1:462:A:ALA:H	3	0.46
(1,221)	1:407:A:LEU:HG	1:462:A:ALA:H	19	0.46
(1,210)	1:418:A:ASP:H	1:420:A:ASP:HB2	19	0.46
(1,184)	1:479:A:GLN:H	1:480:A:LEU:H	10	0.46
(1,184)	1:479:A:GLN:H	1:480:A:LEU:H	19	0.46
(1,152)	1:406:A:ASN:H	1:407:A:LEU:H	9	0.46
(1,152)	1:406:A:ASN:H	1:407:A:LEU:H	17	0.46
(1,139)	1:409:A:ILE:H	1:410:A:TYR:H	20	0.46
(1,138)	1:410:A:TYR:H	1:411:A:HIS:H	20	0.46
(1,105)	1:408:A:PHE:HB3	1:479:A:GLN:H	8	0.46
(1,101)	1:450:A:PHE:HB3	1:451:A:VAL:H	16	0.46
(1,93)	1:476:A:LEU:H	1:477:A:LYS:H	5	0.46
(1,93)	1:476:A:LEU:H	1:477:A:LYS:H	16	0.46
(1,93)	1:476:A:LEU:H	1:477:A:LYS:H	19	0.46
(1,84)	1:406:A:ASN:H	1:481:A:LYS:H	1	0.46
(1,78)	1:434:A:ALA:H	1:435:A:LYS:H	16	0.46
(1,78)	1:434:A:ALA:H	1:435:A:LYS:H	20	0.46
(1,75)	1:446:A:LYS:H	1:447:A:CYS:H	18	0.46
(1,43)	1:438:A:ILE:H	1:439:A:ASP:H	9	0.46
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD11	13	0.46
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD12	13	0.46
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD13	13	0.46
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE1	9	0.45
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE2	9	0.45
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	6	0.45
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	6	0.45
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	6	0.45
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	6	0.45
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	6	0.45
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	6	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE1	6	0.45
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE2	6	0.45
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE1	10	0.45
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE2	10	0.45
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE1	17	0.45
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE2	17	0.45
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD1	3	0.45
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD2	3	0.45
(1,1526)	1:422:A:LEU:HB3	1:423:A:GLN:HB2	3	0.45
(1,1526)	1:422:A:LEU:HB3	1:423:A:GLN:HB3	3	0.45
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG21	13	0.45
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG22	13	0.45
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG23	13	0.45
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD11	5	0.45
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD12	5	0.45
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD13	5	0.45
(1,1468)	1:484:A:LYS:HA	1:485:A:ASN:HA	6	0.45
(1,1408)	1:431:A:VAL:HA	1:432:A:ILE:HA	2	0.45
(1,1408)	1:431:A:VAL:HA	1:432:A:ILE:HA	5	0.45
(1,1408)	1:431:A:VAL:HA	1:432:A:ILE:HA	12	0.45
(1,1408)	1:431:A:VAL:HA	1:432:A:ILE:HA	18	0.45
(1,1408)	1:431:A:VAL:HA	1:432:A:ILE:HA	20	0.45
(1,1348)	1:475:A:ARG:HA	1:475:A:ARG:HD2	13	0.45
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG11	2	0.45
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG12	2	0.45
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG13	2	0.45
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG11	20	0.45
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG12	20	0.45
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG13	20	0.45
(1,1314)	1:429:A:GLY:HA2	1:430:A:ASN:HA	15	0.45
(1,1314)	1:429:A:GLY:HA2	1:430:A:ASN:HA	18	0.45
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	15	0.45
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	15	0.45
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	15	0.45
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	15	0.45
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	15	0.45
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	15	0.45
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	15	0.45
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	15	0.45
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	15	0.45
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	5	0.45
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	5	0.45
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB1	7	0.45
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB2	7	0.45
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB3	7	0.45
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB1	7	0.45
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB2	7	0.45
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB3	7	0.45
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB1	7	0.45
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB2	7	0.45
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB3	7	0.45
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB1	7	0.45
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB2	7	0.45
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB3	7	0.45
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB1	7	0.45
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB2	7	0.45
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB3	7	0.45
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB1	7	0.45
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB2	7	0.45
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB3	7	0.45
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG2	4	0.45
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG3	4	0.45
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG2	4	0.45
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG3	4	0.45
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG2	4	0.45
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG3	4	0.45
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG2	4	0.45
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG3	4	0.45
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG2	4	0.45
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG3	4	0.45
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG2	4	0.45
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG3	4	0.45
(1,1248)	1:404:A:GLY:HA3	1:480:A:LEU:HG	15	0.45
(1,1247)	1:412:A:LEU:HG	1:421:A:ILE:HG13	1	0.45
(1,1230)	1:402:A:PRO:HG2	1:455:A:ASN:HA	10	0.45
(1,1219)	1:414:A:GLN:HB2	1:415:A:GLU:H	3	0.45
(1,1201)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	10	0.45
(1,1201)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	10	0.45
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD11	20	0.45
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD12	20	0.45
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD13	20	0.45
(1,1179)	1:463:A:ILE:HD11	1:479:A:GLN:HA	11	0.45
(1,1179)	1:463:A:ILE:HD12	1:479:A:GLN:HA	11	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1179)	1:463:A:ILE:HD13	1:479:A:GLN:HA	11	0.45
(1,1174)	1:439:A:ASP:HA	1:442:A:THR:H	12	0.45
(1,1159)	1:459:A:ALA:HA	1:461:A:ALA:HA	18	0.45
(1,1097)	1:441:A:GLN:HA	1:444:A:LEU:H	16	0.45
(1,1088)	1:419:A:GLN:HA	1:422:A:LEU:H	1	0.45
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	6	0.45
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	6	0.45
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	6	0.45
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	6	0.45
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	6	0.45
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	6	0.45
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD11	19	0.45
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD12	19	0.45
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD13	19	0.45
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD11	19	0.45
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD12	19	0.45
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD13	19	0.45
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD11	19	0.45
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD12	19	0.45
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD13	19	0.45
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD11	19	0.45
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD12	19	0.45
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD13	19	0.45
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD11	19	0.45
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD12	19	0.45
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD13	19	0.45
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD11	19	0.45
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD12	19	0.45
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD13	19	0.45
(1,1011)	1:425:A:PHE:HB3	1:426:A:MET:H	3	0.45
(1,998)	1:485:A:ASN:HB3	1:486:A:ASP:H	16	0.45
(1,982)	1:437:A:PHE:HB2	1:438:A:ILE:HB	1	0.45
(1,982)	1:437:A:PHE:HB2	1:438:A:ILE:HB	2	0.45
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG21	2	0.45
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG22	2	0.45
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG23	2	0.45
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG21	2	0.45
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG22	2	0.45
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG23	2	0.45
(1,965)	1:438:A:ILE:HB	1:439:A:ASP:H	4	0.45
(1,926)	1:406:A:ASN:HB3	1:407:A:LEU:H	8	0.45
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	3	0.45
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	3	0.45
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	3	0.45
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	3	0.45
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	3	0.45
(1,885)	1:433:A:SER:HB2	1:434:A:ALA:H	1	0.45
(1,885)	1:433:A:SER:HB2	1:434:A:ALA:H	2	0.45
(1,885)	1:433:A:SER:HB2	1:434:A:ALA:H	14	0.45
(1,883)	1:453:A:TYR:HB3	1:454:A:ASP:H	5	0.45
(1,883)	1:453:A:TYR:HB3	1:454:A:ASP:H	10	0.45
(1,883)	1:453:A:TYR:HB3	1:454:A:ASP:H	17	0.45
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB2	4	0.45
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB3	4	0.45
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE1	2	0.45
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE2	2	0.45
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	2	0.45
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	2	0.45
(1,874)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	15	0.45
(1,860)	1:409:A:ILE:HG21	1:450:A:PHE:H	16	0.45
(1,860)	1:409:A:ILE:HG22	1:450:A:PHE:H	16	0.45
(1,860)	1:409:A:ILE:HG23	1:450:A:PHE:H	16	0.45
(1,759)	1:403:A:GLU:HA	1:404:A:GLY:HA3	11	0.45
(1,759)	1:403:A:GLU:HA	1:404:A:GLY:HA3	14	0.45
(1,759)	1:403:A:GLU:HA	1:404:A:GLY:HA3	17	0.45
(1,759)	1:403:A:GLU:HA	1:404:A:GLY:HA3	20	0.45
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	16	0.45
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	16	0.45
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	16	0.45
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	3	0.45
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	3	0.45
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	3	0.45
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD11	6	0.45
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD12	6	0.45
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD13	6	0.45
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD21	6	0.45
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD22	6	0.45
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD23	6	0.45
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD11	11	0.45
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD12	11	0.45
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD13	11	0.45
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD21	11	0.45
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD22	11	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD23	11	0.45
(1,682)	1:442:A:THR:HB	1:443:A:ASN:H	7	0.45
(1,682)	1:442:A:THR:HB	1:443:A:ASN:H	13	0.45
(1,676)	1:481:A:LYS:HG2	1:482:A:ARG:H	16	0.45
(1,676)	1:481:A:LYS:HG3	1:482:A:ARG:H	16	0.45
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB2	15	0.45
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB3	15	0.45
(1,664)	1:471:A:ILE:HG21	1:474:A:LYS:HG3	15	0.45
(1,664)	1:471:A:ILE:HG22	1:474:A:LYS:HG3	15	0.45
(1,664)	1:471:A:ILE:HG23	1:474:A:LYS:HG3	15	0.45
(1,645)	1:407:A:LEU:HD11	1:451:A:VAL:H	3	0.45
(1,645)	1:407:A:LEU:HD12	1:451:A:VAL:H	3	0.45
(1,645)	1:407:A:LEU:HD13	1:451:A:VAL:H	3	0.45
(1,645)	1:407:A:LEU:HD21	1:451:A:VAL:H	3	0.45
(1,645)	1:407:A:LEU:HD22	1:451:A:VAL:H	3	0.45
(1,645)	1:407:A:LEU:HD23	1:451:A:VAL:H	3	0.45
(1,645)	1:407:A:LEU:HD11	1:451:A:VAL:H	15	0.45
(1,645)	1:407:A:LEU:HD12	1:451:A:VAL:H	15	0.45
(1,645)	1:407:A:LEU:HD13	1:451:A:VAL:H	15	0.45
(1,645)	1:407:A:LEU:HD21	1:451:A:VAL:H	15	0.45
(1,645)	1:407:A:LEU:HD22	1:451:A:VAL:H	15	0.45
(1,645)	1:407:A:LEU:HD23	1:451:A:VAL:H	15	0.45
(1,638)	1:413:A:PRO:HD2	1:476:A:LEU:HG	13	0.45
(1,638)	1:413:A:PRO:HD3	1:476:A:LEU:HG	13	0.45
(1,632)	1:476:A:LEU:H	1:476:A:LEU:HG	16	0.45
(1,629)	1:402:A:PRO:HD3	1:403:A:GLU:HB2	16	0.45
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD1	7	0.45
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD2	7	0.45
(1,609)	1:409:A:ILE:HA	1:411:A:HIS:HB2	2	0.45
(1,602)	1:428:A:PHE:HB3	1:429:A:GLY:H	6	0.45
(1,594)	1:439:A:ASP:HB2	1:442:A:THR:H	2	0.45
(1,583)	1:426:A:MET:HA	1:428:A:PHE:H	14	0.45
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG11	11	0.45
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG12	11	0.45
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG13	11	0.45
(1,542)	1:453:A:TYR:HB3	1:454:A:ASP:H	5	0.45
(1,542)	1:453:A:TYR:HB3	1:454:A:ASP:H	10	0.45
(1,542)	1:453:A:TYR:HB3	1:454:A:ASP:H	17	0.45
(1,534)	1:453:A:TYR:HD1	1:454:A:ASP:H	6	0.45
(1,534)	1:453:A:TYR:HD2	1:454:A:ASP:H	6	0.45
(1,481)	1:406:A:ASN:H	1:407:A:LEU:H	10	0.45
(1,467)	1:422:A:LEU:HD11	1:423:A:GLN:H	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,467)	1:422:A:LEU:HD12	1:423:A:GLN:H	5	0.45
(1,467)	1:422:A:LEU:HD13	1:423:A:GLN:H	5	0.45
(1,467)	1:422:A:LEU:HD21	1:423:A:GLN:H	5	0.45
(1,467)	1:422:A:LEU:HD22	1:423:A:GLN:H	5	0.45
(1,467)	1:422:A:LEU:HD23	1:423:A:GLN:H	5	0.45
(1,439)	1:421:A:ILE:H	1:421:A:ILE:HG13	9	0.45
(1,425)	1:438:A:ILE:HB	1:443:A:ASN:H	16	0.45
(1,408)	1:420:A:ASP:H	1:422:A:LEU:H	5	0.45
(1,379)	1:442:A:THR:HB	1:444:A:LEU:H	15	0.45
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB1	4	0.45
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB2	4	0.45
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB3	4	0.45
(1,366)	1:467:A:ASN:HB3	1:468:A:GLY:H	12	0.45
(1,299)	1:403:A:GLU:HA	1:405:A:ALA:H	14	0.45
(1,289)	1:435:A:LYS:HB2	1:450:A:PHE:H	4	0.45
(1,289)	1:435:A:LYS:HB3	1:450:A:PHE:H	4	0.45
(1,287)	1:436:A:VAL:HA	1:450:A:PHE:H	18	0.45
(1,281)	1:455:A:ASN:HB3	1:459:A:ALA:H	5	0.45
(1,281)	1:455:A:ASN:HB3	1:459:A:ALA:H	9	0.45
(1,280)	1:458:A:SER:HB2	1:459:A:ALA:H	10	0.45
(1,271)	1:456:A:PRO:HD2	1:457:A:VAL:H	12	0.45
(1,271)	1:456:A:PRO:HD2	1:457:A:VAL:H	20	0.45
(1,258)	1:435:A:LYS:H	1:436:A:VAL:H	3	0.45
(1,231)	1:437:A:PHE:HB3	1:438:A:ILE:H	9	0.45
(1,207)	1:417:A:GLY:H	1:418:A:ASP:H	14	0.45
(1,184)	1:479:A:GLN:H	1:480:A:LEU:H	18	0.45
(1,178)	1:419:A:GLN:HA	1:422:A:LEU:H	1	0.45
(1,154)	1:406:A:ASN:HB3	1:407:A:LEU:H	8	0.45
(1,152)	1:406:A:ASN:H	1:407:A:LEU:H	10	0.45
(1,93)	1:476:A:LEU:H	1:477:A:LYS:H	1	0.45
(1,93)	1:476:A:LEU:H	1:477:A:LYS:H	9	0.45
(1,93)	1:476:A:LEU:H	1:477:A:LYS:H	10	0.45
(1,78)	1:434:A:ALA:H	1:435:A:LYS:H	8	0.45
(1,78)	1:434:A:ALA:H	1:435:A:LYS:H	12	0.45
(1,48)	1:438:A:ILE:HB	1:439:A:ASP:H	4	0.45
(1,43)	1:438:A:ILE:H	1:439:A:ASP:H	8	0.45
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD11	12	0.45
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD12	12	0.45
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD13	12	0.45
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	3	0.44
(1,1600)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	3	0.44
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	3	0.44
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	3	0.44
(1,1600)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	3	0.44
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	3	0.44
(1,1600)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	3	0.44
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	3	0.44
(1,1600)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	3	0.44
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	3	0.44
(1,1600)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	3	0.44
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE1	9	0.44
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE2	9	0.44
(1,1492)	1:461:A:ALA:HB1	1:462:A:ALA:HA	5	0.44
(1,1492)	1:461:A:ALA:HB2	1:462:A:ALA:HA	5	0.44
(1,1492)	1:461:A:ALA:HB3	1:462:A:ALA:HA	5	0.44
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG21	4	0.44
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG22	4	0.44
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG23	4	0.44
(1,1408)	1:431:A:VAL:HA	1:432:A:ILE:HA	4	0.44
(1,1408)	1:431:A:VAL:HA	1:432:A:ILE:HA	17	0.44
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB1	7	0.44
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB2	7	0.44
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB3	7	0.44
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB1	7	0.44
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB2	7	0.44
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB3	7	0.44
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	17	0.44
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	17	0.44
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	17	0.44
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	17	0.44
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	17	0.44
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	17	0.44
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	17	0.44
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	17	0.44
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	17	0.44
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	13	0.44
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	13	0.44
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	13	0.44
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	13	0.44
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	13	0.44
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	13	0.44
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	13	0.44
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	13	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	13	0.44
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	18	0.44
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	18	0.44
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	18	0.44
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	18	0.44
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	18	0.44
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	18	0.44
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	18	0.44
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	18	0.44
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	18	0.44
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG11	2	0.44
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG12	2	0.44
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG13	2	0.44
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG11	2	0.44
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG12	2	0.44
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG13	2	0.44
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG11	19	0.44
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG12	19	0.44
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG13	19	0.44
(1,1314)	1:429:A:GLY:HA2	1:430:A:ASN:HA	19	0.44
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	17	0.44
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	17	0.44
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	17	0.44
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	17	0.44
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	17	0.44
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	17	0.44
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	17	0.44
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	17	0.44
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	17	0.44
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	12	0.44
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	12	0.44
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	12	0.44
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE1	3	0.44
(1,1246)	1:407:A:LEU:HD11	1:453:A:TYR:HE2	3	0.44
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE1	3	0.44
(1,1246)	1:407:A:LEU:HD12	1:453:A:TYR:HE2	3	0.44
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE1	3	0.44
(1,1246)	1:407:A:LEU:HD13	1:453:A:TYR:HE2	3	0.44
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE1	3	0.44
(1,1246)	1:407:A:LEU:HD21	1:453:A:TYR:HE2	3	0.44
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE1	3	0.44
(1,1246)	1:407:A:LEU:HD22	1:453:A:TYR:HE2	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE1	3	0.44
(1,1246)	1:407:A:LEU:HD23	1:453:A:TYR:HE2	3	0.44
(1,1230)	1:402:A:PRO:HG2	1:455:A:ASN:HA	15	0.44
(1,1230)	1:402:A:PRO:HG2	1:455:A:ASN:HA	16	0.44
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB2	5	0.44
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB3	5	0.44
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB2	5	0.44
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB3	5	0.44
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB2	5	0.44
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB3	5	0.44
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	8	0.44
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	8	0.44
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	8	0.44
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	8	0.44
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	8	0.44
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	8	0.44
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	11	0.44
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	11	0.44
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	11	0.44
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	11	0.44
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	11	0.44
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	11	0.44
(1,1219)	1:414:A:GLN:HB2	1:415:A:GLU:H	2	0.44
(1,1194)	1:403:A:GLU:HB3	1:404:A:GLY:H	11	0.44
(1,1182)	1:432:A:ILE:HG21	1:454:A:ASP:HA	11	0.44
(1,1182)	1:432:A:ILE:HG22	1:454:A:ASP:HA	11	0.44
(1,1182)	1:432:A:ILE:HG23	1:454:A:ASP:HA	11	0.44
(1,1162)	1:453:A:TYR:HD1	1:459:A:ALA:HA	19	0.44
(1,1162)	1:453:A:TYR:HD2	1:459:A:ALA:HA	19	0.44
(1,1147)	1:424:A:MET:HG2	1:425:A:PHE:H	9	0.44
(1,1147)	1:424:A:MET:HG3	1:425:A:PHE:H	9	0.44
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD11	12	0.44
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD12	12	0.44
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD13	12	0.44
(1,1011)	1:425:A:PHE:HB3	1:426:A:MET:H	8	0.44
(1,982)	1:437:A:PHE:HB2	1:438:A:ILE:HB	10	0.44
(1,965)	1:438:A:ILE:HB	1:439:A:ASP:H	13	0.44
(1,949)	1:461:A:ALA:HB1	1:462:A:ALA:HA	5	0.44
(1,949)	1:461:A:ALA:HB2	1:462:A:ALA:HA	5	0.44
(1,949)	1:461:A:ALA:HB3	1:462:A:ALA:HA	5	0.44
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	13	0.44
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	13	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	13	0.44
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	13	0.44
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	13	0.44
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	13	0.44
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	13	0.44
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	13	0.44
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	13	0.44
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	18	0.44
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	18	0.44
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	18	0.44
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	18	0.44
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	18	0.44
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	18	0.44
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	18	0.44
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	18	0.44
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	18	0.44
(1,942)	1:409:A:ILE:HB	1:449:A:GLY:H	8	0.44
(1,926)	1:406:A:ASN:HB3	1:407:A:LEU:H	19	0.44
(1,914)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	17	0.44
(1,914)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	17	0.44
(1,914)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	17	0.44
(1,914)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	17	0.44
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	4	0.44
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	4	0.44
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB1	19	0.44
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB2	19	0.44
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB3	19	0.44
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB1	19	0.44
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB2	19	0.44
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB3	19	0.44
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB1	19	0.44
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB2	19	0.44
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB3	19	0.44
(1,885)	1:433:A:SER:HB2	1:434:A:ALA:H	6	0.44
(1,883)	1:453:A:TYR:HB3	1:454:A:ASP:H	12	0.44
(1,874)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	2	0.44
(1,874)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	16	0.44
(1,860)	1:409:A:ILE:HG21	1:450:A:PHE:H	4	0.44
(1,860)	1:409:A:ILE:HG22	1:450:A:PHE:H	4	0.44
(1,860)	1:409:A:ILE:HG23	1:450:A:PHE:H	4	0.44
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	8	0.44
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	8	0.44
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	8	0.44
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	8	0.44
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	8	0.44
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	8	0.44
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	8	0.44
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	8	0.44
(1,824)	1:436:A:VAL:HG11	1:437:A:PHE:H	11	0.44
(1,824)	1:436:A:VAL:HG12	1:437:A:PHE:H	11	0.44
(1,824)	1:436:A:VAL:HG13	1:437:A:PHE:H	11	0.44
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	8	0.44
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	8	0.44
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	8	0.44
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	8	0.44
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	8	0.44
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	8	0.44
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	8	0.44
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	8	0.44
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	8	0.44
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	20	0.44
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	20	0.44
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	20	0.44
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB1	12	0.44
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB2	12	0.44
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB3	12	0.44
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB1	17	0.44
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB2	17	0.44
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB3	17	0.44
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	8	0.44
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	8	0.44
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	8	0.44
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	8	0.44
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	8	0.44
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	8	0.44
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	11	0.44
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	11	0.44
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	11	0.44
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	11	0.44
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	11	0.44
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	11	0.44
(1,763)	1:457:A:VAL:HG11	1:459:A:ALA:H	12	0.44
(1,763)	1:457:A:VAL:HG12	1:459:A:ALA:H	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:457:A:VAL:HG13	1:459:A:ALA:H	12	0.44
(1,763)	1:457:A:VAL:HG21	1:459:A:ALA:H	12	0.44
(1,763)	1:457:A:VAL:HG22	1:459:A:ALA:H	12	0.44
(1,763)	1:457:A:VAL:HG23	1:459:A:ALA:H	12	0.44
(1,759)	1:403:A:GLU:HA	1:404:A:GLY:HA3	5	0.44
(1,759)	1:403:A:GLU:HA	1:404:A:GLY:HA3	8	0.44
(1,759)	1:403:A:GLU:HA	1:404:A:GLY:HA3	10	0.44
(1,729)	1:407:A:LEU:HB2	1:408:A:PHE:H	12	0.44
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG21	3	0.44
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG22	3	0.44
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG23	3	0.44
(1,682)	1:442:A:THR:HB	1:443:A:ASN:H	4	0.44
(1,676)	1:481:A:LYS:HG2	1:482:A:ARG:H	12	0.44
(1,676)	1:481:A:LYS:HG3	1:482:A:ARG:H	12	0.44
(1,660)	1:406:A:ASN:H	1:480:A:LEU:HG	10	0.44
(1,655)	1:474:A:LYS:H	1:474:A:LYS:HG3	10	0.44
(1,629)	1:402:A:PRO:HD3	1:403:A:GLU:HB2	5	0.44
(1,629)	1:402:A:PRO:HD3	1:403:A:GLU:HB2	11	0.44
(1,621)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	6	0.44
(1,621)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	6	0.44
(1,612)	1:407:A:LEU:HG	1:451:A:VAL:H	15	0.44
(1,609)	1:409:A:ILE:HA	1:411:A:HIS:HB2	15	0.44
(1,602)	1:428:A:PHE:HB3	1:429:A:GLY:H	4	0.44
(1,602)	1:428:A:PHE:HB3	1:429:A:GLY:H	15	0.44
(1,588)	1:409:A:ILE:H	1:449:A:GLY:H	8	0.44
(1,583)	1:426:A:MET:HA	1:428:A:PHE:H	2	0.44
(1,581)	1:401:A:GLY:H	1:452:A:SER:HB3	3	0.44
(1,573)	1:463:A:ILE:HA	1:466:A:MET:H	5	0.44
(1,549)	1:403:A:GLU:HB3	1:404:A:GLY:H	11	0.44
(1,542)	1:453:A:TYR:HB3	1:454:A:ASP:H	12	0.44
(1,520)	1:433:A:SER:H	1:453:A:TYR:HA	6	0.44
(1,518)	1:430:A:ASN:HA	1:430:A:ASN:HD22	12	0.44
(1,501)	1:467:A:ASN:H	1:467:A:ASN:HD21	18	0.44
(1,483)	1:406:A:ASN:H	1:406:A:ASN:HD22	9	0.44
(1,481)	1:406:A:ASN:H	1:407:A:LEU:H	12	0.44
(1,468)	1:421:A:ILE:HG21	1:423:A:GLN:H	1	0.44
(1,468)	1:421:A:ILE:HG22	1:423:A:GLN:H	1	0.44
(1,468)	1:421:A:ILE:HG23	1:423:A:GLN:H	1	0.44
(1,467)	1:422:A:LEU:HD11	1:423:A:GLN:H	16	0.44
(1,467)	1:422:A:LEU:HD12	1:423:A:GLN:H	16	0.44
(1,467)	1:422:A:LEU:HD13	1:423:A:GLN:H	16	0.44
(1,467)	1:422:A:LEU:HD21	1:423:A:GLN:H	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,467)	1:422:A:LEU:HD22	1:423:A:GLN:H	16	0.44
(1,467)	1:422:A:LEU:HD23	1:423:A:GLN:H	16	0.44
(1,446)	1:418:A:ASP:HB3	1:419:A:GLN:H	8	0.44
(1,439)	1:421:A:ILE:H	1:421:A:ILE:HG13	17	0.44
(1,408)	1:420:A:ASP:H	1:422:A:LEU:H	16	0.44
(1,369)	1:482:A:ARG:HB3	1:483:A:SER:H	9	0.44
(1,366)	1:467:A:ASN:HB3	1:468:A:GLY:H	2	0.44
(1,366)	1:467:A:ASN:HB3	1:468:A:GLY:H	10	0.44
(1,366)	1:467:A:ASN:HB3	1:468:A:GLY:H	11	0.44
(1,366)	1:467:A:ASN:HB3	1:468:A:GLY:H	15	0.44
(1,366)	1:467:A:ASN:HB3	1:468:A:GLY:H	16	0.44
(1,366)	1:467:A:ASN:HB3	1:468:A:GLY:H	19	0.44
(1,350)	1:407:A:LEU:HB2	1:408:A:PHE:H	12	0.44
(1,344)	1:467:A:ASN:H	1:468:A:GLY:H	7	0.44
(1,344)	1:467:A:ASN:H	1:468:A:GLY:H	8	0.44
(1,344)	1:467:A:ASN:H	1:468:A:GLY:H	14	0.44
(1,307)	1:474:A:LYS:H	1:475:A:ARG:H	17	0.44
(1,297)	1:405:A:ALA:H	1:406:A:ASN:HB3	3	0.44
(1,296)	1:450:A:PHE:H	1:451:A:VAL:H	12	0.44
(1,286)	1:435:A:LYS:H	1:450:A:PHE:H	15	0.44
(1,282)	1:407:A:LEU:HD11	1:459:A:ALA:H	2	0.44
(1,282)	1:407:A:LEU:HD12	1:459:A:ALA:H	2	0.44
(1,282)	1:407:A:LEU:HD13	1:459:A:ALA:H	2	0.44
(1,282)	1:407:A:LEU:HD21	1:459:A:ALA:H	2	0.44
(1,282)	1:407:A:LEU:HD22	1:459:A:ALA:H	2	0.44
(1,282)	1:407:A:LEU:HD23	1:459:A:ALA:H	2	0.44
(1,280)	1:458:A:SER:HB2	1:459:A:ALA:H	1	0.44
(1,258)	1:435:A:LYS:H	1:436:A:VAL:H	15	0.44
(1,247)	1:452:A:SER:HB3	1:453:A:TYR:H	5	0.44
(1,247)	1:452:A:SER:HB3	1:453:A:TYR:H	17	0.44
(1,207)	1:417:A:GLY:H	1:418:A:ASP:H	8	0.44
(1,207)	1:417:A:GLY:H	1:418:A:ASP:H	16	0.44
(1,206)	1:412:A:LEU:HD11	1:416:A:PHE:H	3	0.44
(1,206)	1:412:A:LEU:HD12	1:416:A:PHE:H	3	0.44
(1,206)	1:412:A:LEU:HD13	1:416:A:PHE:H	3	0.44
(1,206)	1:412:A:LEU:HD21	1:416:A:PHE:H	3	0.44
(1,206)	1:412:A:LEU:HD22	1:416:A:PHE:H	3	0.44
(1,206)	1:412:A:LEU:HD23	1:416:A:PHE:H	3	0.44
(1,184)	1:479:A:GLN:H	1:480:A:LEU:H	12	0.44
(1,184)	1:479:A:GLN:H	1:480:A:LEU:H	16	0.44
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD2	14	0.44
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD3	14	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,154)	1:406:A:ASN:HB3	1:407:A:LEU:H	19	0.44
(1,152)	1:406:A:ASN:H	1:407:A:LEU:H	12	0.44
(1,139)	1:409:A:ILE:H	1:410:A:TYR:H	7	0.44
(1,138)	1:410:A:TYR:H	1:411:A:HIS:H	3	0.44
(1,138)	1:410:A:TYR:H	1:411:A:HIS:H	7	0.44
(1,138)	1:410:A:TYR:H	1:411:A:HIS:H	13	0.44
(1,103)	1:407:A:LEU:HG	1:479:A:GLN:H	13	0.44
(1,101)	1:450:A:PHE:HB3	1:451:A:VAL:H	6	0.44
(1,93)	1:476:A:LEU:H	1:477:A:LYS:H	2	0.44
(1,93)	1:476:A:LEU:H	1:477:A:LYS:H	11	0.44
(1,76)	1:445:A:SER:H	1:446:A:LYS:H	10	0.44
(1,71)	1:414:A:GLN:H	1:414:A:GLN:HG3	7	0.44
(1,64)	1:436:A:VAL:HG11	1:437:A:PHE:H	11	0.44
(1,64)	1:436:A:VAL:HG12	1:437:A:PHE:H	11	0.44
(1,64)	1:436:A:VAL:HG13	1:437:A:PHE:H	11	0.44
(1,48)	1:438:A:ILE:HB	1:439:A:ASP:H	13	0.44
(1,28)	1:439:A:ASP:HB2	1:440:A:LYS:H	18	0.44
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD11	12	0.44
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD12	12	0.44
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD13	12	0.44
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD1	2	0.43
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD2	2	0.43
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD1	2	0.43
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD2	2	0.43
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD1	2	0.43
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD2	2	0.43
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD1	2	0.43
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD2	2	0.43
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD1	2	0.43
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD2	2	0.43
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD1	2	0.43
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD2	2	0.43
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE1	2	0.43
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE2	2	0.43
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE1	3	0.43
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE2	3	0.43
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE1	18	0.43
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE2	18	0.43
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG21	16	0.43
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG22	16	0.43
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG23	16	0.43
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG21	15	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG22	15	0.43
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG23	15	0.43
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG21	15	0.43
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG22	15	0.43
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG23	15	0.43
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG21	20	0.43
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG22	20	0.43
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG23	20	0.43
(1,1468)	1:484:A:LYS:HA	1:485:A:ASN:HA	1	0.43
(1,1464)	1:431:A:VAL:HA	1:453:A:TYR:HA	1	0.43
(1,1452)	1:432:A:ILE:HG21	1:433:A:SER:HA	11	0.43
(1,1452)	1:432:A:ILE:HG22	1:433:A:SER:HA	11	0.43
(1,1452)	1:432:A:ILE:HG23	1:433:A:SER:HA	11	0.43
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG11	13	0.43
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG12	13	0.43
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG13	13	0.43
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD11	16	0.43
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD12	16	0.43
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD13	16	0.43
(1,1408)	1:431:A:VAL:HA	1:432:A:ILE:HA	9	0.43
(1,1394)	1:463:A:ILE:HG21	1:464:A:GLN:HA	15	0.43
(1,1394)	1:463:A:ILE:HG22	1:464:A:GLN:HA	15	0.43
(1,1394)	1:463:A:ILE:HG23	1:464:A:GLN:HA	15	0.43
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	12	0.43
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	12	0.43
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	12	0.43
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	12	0.43
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	12	0.43
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	12	0.43
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	12	0.43
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	12	0.43
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	12	0.43
(1,1352)	1:412:A:LEU:HG	1:417:A:GLY:HA3	9	0.43
(1,1314)	1:429:A:GLY:HA2	1:430:A:ASN:HA	2	0.43
(1,1314)	1:429:A:GLY:HA2	1:430:A:ASN:HA	13	0.43
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD11	5	0.43
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD12	5	0.43
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD13	5	0.43
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD21	5	0.43
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD22	5	0.43
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD23	5	0.43
(1,1240)	1:432:A:ILE:HG12	1:454:A:ASP:H	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1240)	1:432:A:ILE:HG13	1:454:A:ASP:H	4	0.43
(1,1240)	1:432:A:ILE:HG12	1:454:A:ASP:H	13	0.43
(1,1240)	1:432:A:ILE:HG13	1:454:A:ASP:H	13	0.43
(1,1230)	1:402:A:PRO:HG2	1:455:A:ASN:HA	4	0.43
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	15	0.43
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	15	0.43
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	15	0.43
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	15	0.43
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	15	0.43
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	15	0.43
(1,1219)	1:414:A:GLN:HB2	1:415:A:GLU:H	1	0.43
(1,1219)	1:414:A:GLN:HB2	1:415:A:GLU:H	6	0.43
(1,1219)	1:414:A:GLN:HB2	1:415:A:GLU:H	12	0.43
(1,1219)	1:414:A:GLN:HB2	1:415:A:GLU:H	14	0.43
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	10	0.43
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	10	0.43
(1,1201)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	3	0.43
(1,1201)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	3	0.43
(1,1201)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	11	0.43
(1,1201)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	11	0.43
(1,1174)	1:439:A:ASP:HA	1:442:A:THR:H	9	0.43
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG2	8	0.43
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG3	8	0.43
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG2	8	0.43
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG3	8	0.43
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG2	8	0.43
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG3	8	0.43
(1,1097)	1:441:A:GLN:HA	1:444:A:LEU:H	3	0.43
(1,1089)	1:419:A:GLN:HA	1:422:A:LEU:HB3	18	0.43
(1,1084)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	8	0.43
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD11	2	0.43
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD12	2	0.43
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD13	2	0.43
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD11	6	0.43
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD12	6	0.43
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD13	6	0.43
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD11	10	0.43
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD12	10	0.43
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD13	10	0.43
(1,1011)	1:425:A:PHE:HB3	1:426:A:MET:H	9	0.43
(1,982)	1:437:A:PHE:HB2	1:438:A:ILE:HB	15	0.43
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB1	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB2	17	0.43
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB3	17	0.43
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB1	17	0.43
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB2	17	0.43
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB3	17	0.43
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	12	0.43
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	12	0.43
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	12	0.43
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	12	0.43
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	12	0.43
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	12	0.43
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	12	0.43
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	12	0.43
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	12	0.43
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG2	8	0.43
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG3	8	0.43
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG2	8	0.43
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG3	8	0.43
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG2	8	0.43
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG3	8	0.43
(1,888)	1:448:A:PHE:HB2	1:449:A:GLY:HA2	17	0.43
(1,888)	1:448:A:PHE:HB3	1:449:A:GLY:HA2	17	0.43
(1,885)	1:433:A:SER:HB2	1:434:A:ALA:H	12	0.43
(1,885)	1:433:A:SER:HB2	1:434:A:ALA:H	18	0.43
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE1	1	0.43
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE2	1	0.43
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	1	0.43
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	1	0.43
(1,860)	1:409:A:ILE:HG21	1:450:A:PHE:H	7	0.43
(1,860)	1:409:A:ILE:HG22	1:450:A:PHE:H	7	0.43
(1,860)	1:409:A:ILE:HG23	1:450:A:PHE:H	7	0.43
(1,852)	1:405:A:ALA:HB1	1:455:A:ASN:H	14	0.43
(1,852)	1:405:A:ALA:HB2	1:455:A:ASN:H	14	0.43
(1,852)	1:405:A:ALA:HB3	1:455:A:ASN:H	14	0.43
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	15	0.43
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	15	0.43
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	15	0.43
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	15	0.43
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	15	0.43
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	15	0.43
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	5	0.43
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,768)	1:457:A:VAL:HG11	1:458:A:SER:HB2	9	0.43
(1,768)	1:457:A:VAL:HG12	1:458:A:SER:HB2	9	0.43
(1,768)	1:457:A:VAL:HG13	1:458:A:SER:HB2	9	0.43
(1,768)	1:457:A:VAL:HG21	1:458:A:SER:HB2	9	0.43
(1,768)	1:457:A:VAL:HG22	1:458:A:SER:HB2	9	0.43
(1,768)	1:457:A:VAL:HG23	1:458:A:SER:HB2	9	0.43
(1,759)	1:403:A:GLU:HA	1:404:A:GLY:HA3	12	0.43
(1,759)	1:403:A:GLU:HA	1:404:A:GLY:HA3	13	0.43
(1,759)	1:403:A:GLU:HA	1:404:A:GLY:HA3	18	0.43
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG11	15	0.43
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG12	15	0.43
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG13	15	0.43
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG11	15	0.43
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG12	15	0.43
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG13	15	0.43
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB2	19	0.43
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB3	19	0.43
(1,659)	1:480:A:LEU:HG	1:481:A:LYS:H	16	0.43
(1,645)	1:407:A:LEU:HD11	1:451:A:VAL:H	13	0.43
(1,645)	1:407:A:LEU:HD12	1:451:A:VAL:H	13	0.43
(1,645)	1:407:A:LEU:HD13	1:451:A:VAL:H	13	0.43
(1,645)	1:407:A:LEU:HD21	1:451:A:VAL:H	13	0.43
(1,645)	1:407:A:LEU:HD22	1:451:A:VAL:H	13	0.43
(1,645)	1:407:A:LEU:HD23	1:451:A:VAL:H	13	0.43
(1,634)	1:469:A:PHE:HE1	1:476:A:LEU:HG	14	0.43
(1,634)	1:469:A:PHE:HE2	1:476:A:LEU:HG	14	0.43
(1,615)	1:407:A:LEU:HG	1:462:A:ALA:H	15	0.43
(1,602)	1:428:A:PHE:HB3	1:429:A:GLY:H	12	0.43
(1,602)	1:428:A:PHE:HB3	1:429:A:GLY:H	20	0.43
(1,597)	1:441:A:GLN:HB3	1:442:A:THR:H	19	0.43
(1,588)	1:409:A:ILE:H	1:449:A:GLY:H	3	0.43
(1,583)	1:426:A:MET:HA	1:428:A:PHE:H	1	0.43
(1,583)	1:426:A:MET:HA	1:428:A:PHE:H	3	0.43
(1,583)	1:426:A:MET:HA	1:428:A:PHE:H	12	0.43
(1,573)	1:463:A:ILE:HA	1:466:A:MET:H	19	0.43
(1,541)	1:454:A:ASP:H	1:458:A:SER:HB3	9	0.43
(1,531)	1:416:A:PHE:H	1:417:A:GLY:H	12	0.43
(1,520)	1:433:A:SER:H	1:453:A:TYR:HA	7	0.43
(1,501)	1:467:A:ASN:H	1:467:A:ASN:HD21	19	0.43
(1,496)	1:455:A:ASN:HA	1:455:A:ASN:HD22	13	0.43
(1,468)	1:421:A:ILE:HG21	1:423:A:GLN:H	2	0.43
(1,468)	1:421:A:ILE:HG22	1:423:A:GLN:H	2	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,468)	1:421:A:ILE:HG23	1:423:A:GLN:H	2	0.43
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD11	6	0.43
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD12	6	0.43
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD13	6	0.43
(1,456)	1:457:A:VAL:HA	1:460:A:GLN:H	8	0.43
(1,453)	1:456:A:PRO:HA	1:460:A:GLN:H	10	0.43
(1,434)	1:416:A:PHE:HB3	1:421:A:ILE:H	11	0.43
(1,379)	1:442:A:THR:HB	1:444:A:LEU:H	17	0.43
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB1	15	0.43
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB2	15	0.43
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB3	15	0.43
(1,329)	1:402:A:PRO:HG2	1:403:A:GLU:H	19	0.43
(1,306)	1:475:A:ARG:H	1:476:A:LEU:H	14	0.43
(1,306)	1:475:A:ARG:H	1:476:A:LEU:H	15	0.43
(1,306)	1:475:A:ARG:H	1:476:A:LEU:H	17	0.43
(1,302)	1:403:A:GLU:HG2	1:405:A:ALA:H	9	0.43
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG11	18	0.43
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG12	18	0.43
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG13	18	0.43
(1,271)	1:456:A:PRO:HD2	1:457:A:VAL:H	6	0.43
(1,247)	1:452:A:SER:HB3	1:453:A:TYR:H	11	0.43
(1,244)	1:399:A:LYS:HD2	1:400:A:GLU:H	19	0.43
(1,244)	1:399:A:LYS:HD3	1:400:A:GLU:H	19	0.43
(1,231)	1:437:A:PHE:HB3	1:438:A:ILE:H	3	0.43
(1,231)	1:437:A:PHE:HB3	1:438:A:ILE:H	5	0.43
(1,231)	1:437:A:PHE:HB3	1:438:A:ILE:H	13	0.43
(1,221)	1:407:A:LEU:HG	1:462:A:ALA:H	15	0.43
(1,207)	1:417:A:GLY:H	1:418:A:ASP:H	19	0.43
(1,206)	1:412:A:LEU:HD11	1:416:A:PHE:H	1	0.43
(1,206)	1:412:A:LEU:HD12	1:416:A:PHE:H	1	0.43
(1,206)	1:412:A:LEU:HD13	1:416:A:PHE:H	1	0.43
(1,206)	1:412:A:LEU:HD21	1:416:A:PHE:H	1	0.43
(1,206)	1:412:A:LEU:HD22	1:416:A:PHE:H	1	0.43
(1,206)	1:412:A:LEU:HD23	1:416:A:PHE:H	1	0.43
(1,205)	1:415:A:GLU:HG2	1:416:A:PHE:H	15	0.43
(1,205)	1:415:A:GLU:HG3	1:416:A:PHE:H	15	0.43
(1,200)	1:416:A:PHE:H	1:417:A:GLY:H	12	0.43
(1,184)	1:479:A:GLN:H	1:480:A:LEU:H	1	0.43
(1,184)	1:479:A:GLN:H	1:480:A:LEU:H	4	0.43
(1,181)	1:418:A:ASP:HB2	1:422:A:LEU:H	7	0.43
(1,148)	1:407:A:LEU:H	1:408:A:PHE:H	17	0.43
(1,139)	1:409:A:ILE:H	1:410:A:TYR:H	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,138)	1:410:A:TYR:H	1:411:A:HIS:H	16	0.43
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB2	15	0.43
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB3	15	0.43
(1,133)	1:405:A:ALA:HB1	1:451:A:VAL:H	15	0.43
(1,133)	1:405:A:ALA:HB2	1:451:A:VAL:H	15	0.43
(1,133)	1:405:A:ALA:HB3	1:451:A:VAL:H	15	0.43
(1,105)	1:408:A:PHE:HB3	1:479:A:GLN:H	2	0.43
(1,93)	1:476:A:LEU:H	1:477:A:LYS:H	3	0.43
(1,93)	1:476:A:LEU:H	1:477:A:LYS:H	4	0.43
(1,93)	1:476:A:LEU:H	1:477:A:LYS:H	14	0.43
(1,78)	1:434:A:ALA:H	1:435:A:LYS:H	6	0.43
(1,76)	1:445:A:SER:H	1:446:A:LYS:H	5	0.43
(1,52)	1:471:A:ILE:H	1:474:A:LYS:H	4	0.43
(1,21)	1:424:A:MET:H	1:426:A:MET:H	8	0.43
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD11	2	0.43
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD12	2	0.43
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD13	2	0.43
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD11	6	0.43
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD12	6	0.43
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD13	6	0.43
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD11	10	0.43
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD12	10	0.43
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD13	10	0.43
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD11	14	0.43
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD12	14	0.43
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD13	14	0.43
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE1	20	0.42
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE2	20	0.42
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD1	2	0.42
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD2	2	0.42
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG11	8	0.42
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG12	8	0.42
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG13	8	0.42
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD11	1	0.42
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD12	1	0.42
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD13	1	0.42
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD2	16	0.42
(1,1484)	1:482:A:ARG:HA	1:482:A:ARG:HD3	16	0.42
(1,1468)	1:484:A:LYS:HA	1:485:A:ASN:HA	10	0.42
(1,1468)	1:484:A:LYS:HA	1:485:A:ASN:HA	13	0.42
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD11	5	0.42
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD12	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD13	5	0.42
(1,1408)	1:431:A:VAL:HA	1:432:A:ILE:HA	1	0.42
(1,1408)	1:431:A:VAL:HA	1:432:A:ILE:HA	10	0.42
(1,1394)	1:463:A:ILE:HG21	1:464:A:GLN:HA	17	0.42
(1,1394)	1:463:A:ILE:HG22	1:464:A:GLN:HA	17	0.42
(1,1394)	1:463:A:ILE:HG23	1:464:A:GLN:HA	17	0.42
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD2	16	0.42
(1,1355)	1:482:A:ARG:HA	1:482:A:ARG:HD3	16	0.42
(1,1352)	1:412:A:LEU:HG	1:417:A:GLY:HA3	7	0.42
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	11	0.42
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	11	0.42
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	11	0.42
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	15	0.42
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	15	0.42
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	15	0.42
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	15	0.42
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	15	0.42
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	15	0.42
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	15	0.42
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	15	0.42
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	15	0.42
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG11	1	0.42
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG12	1	0.42
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG13	1	0.42
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG11	1	0.42
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG12	1	0.42
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG13	1	0.42
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG11	5	0.42
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG12	5	0.42
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG13	5	0.42
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG11	5	0.42
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG12	5	0.42
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG13	5	0.42
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG11	15	0.42
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG12	15	0.42
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG13	15	0.42
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG11	15	0.42
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG12	15	0.42
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG13	15	0.42
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG11	17	0.42
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG12	17	0.42
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG13	17	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG11	17	0.42
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG12	17	0.42
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG13	17	0.42
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG11	4	0.42
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG12	4	0.42
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG13	4	0.42
(1,1314)	1:429:A:GLY:HA2	1:430:A:ASN:HA	10	0.42
(1,1314)	1:429:A:GLY:HA2	1:430:A:ASN:HA	11	0.42
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG21	15	0.42
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG22	15	0.42
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG23	15	0.42
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG21	19	0.42
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG22	19	0.42
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG23	19	0.42
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD11	17	0.42
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD12	17	0.42
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD13	17	0.42
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD21	17	0.42
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD22	17	0.42
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD23	17	0.42
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG21	3	0.42
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG22	3	0.42
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG23	3	0.42
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG21	3	0.42
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG22	3	0.42
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG23	3	0.42
(1,1248)	1:404:A:GLY:HA3	1:480:A:LEU:HG	2	0.42
(1,1248)	1:404:A:GLY:HA3	1:480:A:LEU:HG	16	0.42
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	19	0.42
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	19	0.42
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	19	0.42
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	19	0.42
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	19	0.42
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	19	0.42
(1,1219)	1:414:A:GLN:HB2	1:415:A:GLU:H	7	0.42
(1,1194)	1:403:A:GLU:HB3	1:404:A:GLY:H	2	0.42
(1,1193)	1:406:A:ASN:HA	1:453:A:TYR:H	8	0.42
(1,1193)	1:406:A:ASN:HA	1:453:A:TYR:H	16	0.42
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD11	14	0.42
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD12	14	0.42
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD13	14	0.42
(1,1116)	1:432:A:ILE:H	1:453:A:TYR:HA	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1097)	1:441:A:GLN:HA	1:444:A:LEU:H	9	0.42
(1,1090)	1:419:A:GLN:HA	1:422:A:LEU:HB2	10	0.42
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD11	7	0.42
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD12	7	0.42
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD13	7	0.42
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	15	0.42
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	15	0.42
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	15	0.42
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	15	0.42
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	15	0.42
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	15	0.42
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	15	0.42
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	15	0.42
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	15	0.42
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD11	2	0.42
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD12	2	0.42
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD13	2	0.42
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD11	4	0.42
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD12	4	0.42
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD13	4	0.42
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD11	4	0.42
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD12	4	0.42
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD13	4	0.42
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD11	4	0.42
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD12	4	0.42
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD13	4	0.42
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD11	4	0.42
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD12	4	0.42
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD13	4	0.42
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD11	4	0.42
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD12	4	0.42
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD13	4	0.42
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD11	4	0.42
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD12	4	0.42
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD13	4	0.42
(1,1011)	1:425:A:PHE:HB3	1:426:A:MET:H	19	0.42
(1,982)	1:437:A:PHE:HB2	1:438:A:ILE:HB	4	0.42
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG21	9	0.42
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG22	9	0.42
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG23	9	0.42
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG21	1	0.42
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG22	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG23	1	0.42
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG21	1	0.42
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG22	1	0.42
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG23	1	0.42
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG21	12	0.42
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG22	12	0.42
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG23	12	0.42
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG21	12	0.42
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG22	12	0.42
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG23	12	0.42
(1,968)	1:470:A:GLN:HB3	1:471:A:ILE:HG21	1	0.42
(1,968)	1:470:A:GLN:HB3	1:471:A:ILE:HG22	1	0.42
(1,968)	1:470:A:GLN:HB3	1:471:A:ILE:HG23	1	0.42
(1,922)	1:455:A:ASN:HB3	1:458:A:SER:H	20	0.42
(1,888)	1:448:A:PHE:HB2	1:449:A:GLY:HA2	15	0.42
(1,888)	1:448:A:PHE:HB3	1:449:A:GLY:HA2	15	0.42
(1,885)	1:433:A:SER:HB2	1:434:A:ALA:H	20	0.42
(1,849)	1:405:A:ALA:HB1	1:454:A:ASP:H	9	0.42
(1,849)	1:405:A:ALA:HB2	1:454:A:ASP:H	9	0.42
(1,849)	1:405:A:ALA:HB3	1:454:A:ASP:H	9	0.42
(1,810)	1:434:A:ALA:HB1	1:452:A:SER:H	4	0.42
(1,810)	1:434:A:ALA:HB2	1:452:A:SER:H	4	0.42
(1,810)	1:434:A:ALA:HB3	1:452:A:SER:H	4	0.42
(1,810)	1:434:A:ALA:HB1	1:452:A:SER:H	19	0.42
(1,810)	1:434:A:ALA:HB2	1:452:A:SER:H	19	0.42
(1,810)	1:434:A:ALA:HB3	1:452:A:SER:H	19	0.42
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB2	5	0.42
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB3	5	0.42
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB2	5	0.42
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB3	5	0.42
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB2	5	0.42
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB3	5	0.42
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	19	0.42
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	19	0.42
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	19	0.42
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	19	0.42
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	19	0.42
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	19	0.42
(1,763)	1:457:A:VAL:HG11	1:459:A:ALA:H	5	0.42
(1,763)	1:457:A:VAL:HG12	1:459:A:ALA:H	5	0.42
(1,763)	1:457:A:VAL:HG13	1:459:A:ALA:H	5	0.42
(1,763)	1:457:A:VAL:HG21	1:459:A:ALA:H	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:457:A:VAL:HG22	1:459:A:ALA:H	5	0.42
(1,763)	1:457:A:VAL:HG23	1:459:A:ALA:H	5	0.42
(1,763)	1:457:A:VAL:HG11	1:459:A:ALA:H	6	0.42
(1,763)	1:457:A:VAL:HG12	1:459:A:ALA:H	6	0.42
(1,763)	1:457:A:VAL:HG13	1:459:A:ALA:H	6	0.42
(1,763)	1:457:A:VAL:HG21	1:459:A:ALA:H	6	0.42
(1,763)	1:457:A:VAL:HG22	1:459:A:ALA:H	6	0.42
(1,763)	1:457:A:VAL:HG23	1:459:A:ALA:H	6	0.42
(1,759)	1:403:A:GLU:HA	1:404:A:GLY:HA3	2	0.42
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG11	8	0.42
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG12	8	0.42
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG13	8	0.42
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG21	19	0.42
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG22	19	0.42
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG23	19	0.42
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD11	3	0.42
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD12	3	0.42
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD13	3	0.42
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD21	3	0.42
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD22	3	0.42
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD23	3	0.42
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD11	19	0.42
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD12	19	0.42
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD13	19	0.42
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD21	19	0.42
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD22	19	0.42
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD23	19	0.42
(1,676)	1:481:A:LYS:HG2	1:482:A:ARG:H	7	0.42
(1,676)	1:481:A:LYS:HG3	1:482:A:ARG:H	7	0.42
(1,676)	1:481:A:LYS:HG2	1:482:A:ARG:H	19	0.42
(1,676)	1:481:A:LYS:HG3	1:482:A:ARG:H	19	0.42
(1,655)	1:474:A:LYS:H	1:474:A:LYS:HG3	5	0.42
(1,649)	1:407:A:LEU:HD11	1:479:A:GLN:HA	13	0.42
(1,649)	1:407:A:LEU:HD12	1:479:A:GLN:HA	13	0.42
(1,649)	1:407:A:LEU:HD13	1:479:A:GLN:HA	13	0.42
(1,649)	1:407:A:LEU:HD21	1:479:A:GLN:HA	13	0.42
(1,649)	1:407:A:LEU:HD22	1:479:A:GLN:HA	13	0.42
(1,649)	1:407:A:LEU:HD23	1:479:A:GLN:HA	13	0.42
(1,629)	1:402:A:PRO:HD3	1:403:A:GLU:HB2	19	0.42
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	3	0.42
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	3	0.42
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	3	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	3	0.42
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	3	0.42
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	3	0.42
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	20	0.42
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	20	0.42
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	20	0.42
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	20	0.42
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	20	0.42
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	20	0.42
(1,615)	1:407:A:LEU:HG	1:462:A:ALA:H	16	0.42
(1,608)	1:410:A:TYR:HA	1:411:A:HIS:HB2	12	0.42
(1,598)	1:429:A:GLY:H	1:430:A:ASN:H	1	0.42
(1,593)	1:421:A:ILE:HD11	1:449:A:GLY:H	7	0.42
(1,593)	1:421:A:ILE:HD12	1:449:A:GLY:H	7	0.42
(1,593)	1:421:A:ILE:HD13	1:449:A:GLY:H	7	0.42
(1,593)	1:421:A:ILE:HD11	1:449:A:GLY:H	20	0.42
(1,593)	1:421:A:ILE:HD12	1:449:A:GLY:H	20	0.42
(1,593)	1:421:A:ILE:HD13	1:449:A:GLY:H	20	0.42
(1,549)	1:403:A:GLU:HB3	1:404:A:GLY:H	2	0.42
(1,541)	1:454:A:ASP:H	1:458:A:SER:HB3	15	0.42
(1,520)	1:433:A:SER:H	1:453:A:TYR:HA	1	0.42
(1,496)	1:455:A:ASN:HA	1:455:A:ASN:HD22	8	0.42
(1,481)	1:406:A:ASN:H	1:407:A:LEU:H	11	0.42
(1,456)	1:457:A:VAL:HA	1:460:A:GLN:H	20	0.42
(1,451)	1:460:A:GLN:H	1:480:A:LEU:HG	1	0.42
(1,451)	1:460:A:GLN:H	1:480:A:LEU:HG	18	0.42
(1,439)	1:421:A:ILE:H	1:421:A:ILE:HG13	15	0.42
(1,390)	1:430:A:ASN:H	1:431:A:VAL:H	17	0.42
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB1	11	0.42
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB2	11	0.42
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB3	11	0.42
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB1	16	0.42
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB2	16	0.42
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB3	16	0.42
(1,366)	1:467:A:ASN:HB3	1:468:A:GLY:H	6	0.42
(1,366)	1:467:A:ASN:HB3	1:468:A:GLY:H	13	0.42
(1,366)	1:467:A:ASN:HB3	1:468:A:GLY:H	18	0.42
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG21	19	0.42
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG22	19	0.42
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG23	19	0.42
(1,344)	1:467:A:ASN:H	1:468:A:GLY:H	11	0.42
(1,338)	1:408:A:PHE:H	1:409:A:ILE:H	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,329)	1:402:A:PRO:HG2	1:403:A:GLU:H	2	0.42
(1,320)	1:434:A:ALA:HB1	1:452:A:SER:H	4	0.42
(1,320)	1:434:A:ALA:HB2	1:452:A:SER:H	4	0.42
(1,320)	1:434:A:ALA:HB3	1:452:A:SER:H	4	0.42
(1,320)	1:434:A:ALA:HB1	1:452:A:SER:H	19	0.42
(1,320)	1:434:A:ALA:HB2	1:452:A:SER:H	19	0.42
(1,320)	1:434:A:ALA:HB3	1:452:A:SER:H	19	0.42
(1,307)	1:474:A:LYS:H	1:475:A:ARG:H	5	0.42
(1,306)	1:475:A:ARG:H	1:476:A:LEU:H	2	0.42
(1,306)	1:475:A:ARG:H	1:476:A:LEU:H	8	0.42
(1,306)	1:475:A:ARG:H	1:476:A:LEU:H	10	0.42
(1,306)	1:475:A:ARG:H	1:476:A:LEU:H	16	0.42
(1,298)	1:405:A:ALA:H	1:453:A:TYR:HB3	11	0.42
(1,283)	1:407:A:LEU:HG	1:459:A:ALA:H	11	0.42
(1,271)	1:456:A:PRO:HD2	1:457:A:VAL:H	16	0.42
(1,260)	1:408:A:PHE:H	1:409:A:ILE:H	2	0.42
(1,252)	1:402:A:PRO:HD2	1:453:A:TYR:H	8	0.42
(1,245)	1:453:A:TYR:H	1:454:A:ASP:H	9	0.42
(1,231)	1:437:A:PHE:HB3	1:438:A:ILE:H	4	0.42
(1,231)	1:437:A:PHE:HB3	1:438:A:ILE:H	11	0.42
(1,221)	1:407:A:LEU:HG	1:462:A:ALA:H	16	0.42
(1,207)	1:417:A:GLY:H	1:418:A:ASP:H	6	0.42
(1,184)	1:479:A:GLN:H	1:480:A:LEU:H	17	0.42
(1,152)	1:406:A:ASN:H	1:407:A:LEU:H	11	0.42
(1,138)	1:410:A:TYR:H	1:411:A:HIS:H	4	0.42
(1,138)	1:410:A:TYR:H	1:411:A:HIS:H	15	0.42
(1,101)	1:450:A:PHE:HB3	1:451:A:VAL:H	4	0.42
(1,101)	1:450:A:PHE:HB3	1:451:A:VAL:H	8	0.42
(1,78)	1:434:A:ALA:H	1:435:A:LYS:H	14	0.42
(1,29)	1:439:A:ASP:HB3	1:440:A:LYS:H	13	0.42
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD11	7	0.42
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD12	7	0.42
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD13	7	0.42
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE1	14	0.41
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE2	14	0.41
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE1	16	0.41
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE2	16	0.41
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	8	0.41
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	8	0.41
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	8	0.41
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	8	0.41
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	8	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	8	0.41
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	15	0.41
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	15	0.41
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	15	0.41
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	15	0.41
(1,1514)	1:409:A:ILE:HG12	1:478:A:VAL:HG11	15	0.41
(1,1514)	1:409:A:ILE:HG12	1:478:A:VAL:HG12	15	0.41
(1,1514)	1:409:A:ILE:HG12	1:478:A:VAL:HG13	15	0.41
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG11	2	0.41
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG12	2	0.41
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG13	2	0.41
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG11	6	0.41
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG12	6	0.41
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG13	6	0.41
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD11	2	0.41
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD12	2	0.41
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD13	2	0.41
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD11	13	0.41
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD12	13	0.41
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD13	13	0.41
(1,1498)	1:428:A:PHE:HE1	1:465:A:ALA:HA	4	0.41
(1,1498)	1:428:A:PHE:HE2	1:465:A:ALA:HA	4	0.41
(1,1492)	1:461:A:ALA:HB1	1:462:A:ALA:HA	3	0.41
(1,1492)	1:461:A:ALA:HB2	1:462:A:ALA:HA	3	0.41
(1,1492)	1:461:A:ALA:HB3	1:462:A:ALA:HA	3	0.41
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG21	3	0.41
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG22	3	0.41
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG23	3	0.41
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	2	0.41
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	2	0.41
(1,1468)	1:484:A:LYS:HA	1:485:A:ASN:HA	3	0.41
(1,1468)	1:484:A:LYS:HA	1:485:A:ASN:HA	14	0.41
(1,1468)	1:484:A:LYS:HA	1:485:A:ASN:HA	16	0.41
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD11	7	0.41
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD12	7	0.41
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD13	7	0.41
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD11	15	0.41
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD12	15	0.41
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD13	15	0.41
(1,1408)	1:431:A:VAL:HA	1:432:A:ILE:HA	11	0.41
(1,1408)	1:431:A:VAL:HA	1:432:A:ILE:HA	16	0.41
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	6	0.41
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	6	0.41
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	6	0.41
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	6	0.41
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	6	0.41
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	11	0.41
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	11	0.41
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	11	0.41
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	11	0.41
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	11	0.41
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	11	0.41
(1,1387)	1:409:A:ILE:HB	1:449:A:GLY:HA3	5	0.41
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	8	0.41
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	8	0.41
(1,1367)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	8	0.41
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	8	0.41
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	8	0.41
(1,1367)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	8	0.41
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	8	0.41
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	8	0.41
(1,1367)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	8	0.41
(1,1347)	1:475:A:ARG:HA	1:475:A:ARG:HD3	13	0.41
(1,1319)	1:434:A:ALA:HB1	1:451:A:VAL:HA	16	0.41
(1,1319)	1:434:A:ALA:HB2	1:451:A:VAL:HA	16	0.41
(1,1319)	1:434:A:ALA:HB3	1:451:A:VAL:HA	16	0.41
(1,1314)	1:429:A:GLY:HA2	1:430:A:ASN:HA	5	0.41
(1,1227)	1:412:A:LEU:HG	1:413:A:PRO:HG2	6	0.41
(1,1219)	1:414:A:GLN:HB2	1:415:A:GLU:H	5	0.41
(1,1219)	1:414:A:GLN:HB2	1:415:A:GLU:H	8	0.41
(1,1219)	1:414:A:GLN:HB2	1:415:A:GLU:H	15	0.41
(1,1219)	1:414:A:GLN:HB2	1:415:A:GLU:H	16	0.41
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD1	11	0.41
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD2	11	0.41
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB2	17	0.41
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB3	17	0.41
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB2	17	0.41
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB3	17	0.41
(1,1127)	1:467:A:ASN:HA	1:469:A:PHE:H	2	0.41
(1,1088)	1:419:A:GLN:HA	1:422:A:LEU:H	13	0.41
(1,1082)	1:422:A:LEU:HA	1:425:A:PHE:HB2	6	0.41
(1,1082)	1:422:A:LEU:HA	1:425:A:PHE:HB2	17	0.41
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD11	14	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD12	14	0.41
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD13	14	0.41
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	14	0.41
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	14	0.41
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	14	0.41
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	14	0.41
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	14	0.41
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	14	0.41
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	20	0.41
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	20	0.41
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	20	0.41
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	20	0.41
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	20	0.41
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	20	0.41
(1,998)	1:485:A:ASN:HB3	1:486:A:ASP:H	5	0.41
(1,998)	1:485:A:ASN:HB3	1:486:A:ASP:H	18	0.41
(1,982)	1:437:A:PHE:HB2	1:438:A:ILE:HB	13	0.41
(1,965)	1:438:A:ILE:HB	1:439:A:ASP:H	7	0.41
(1,949)	1:461:A:ALA:HB1	1:462:A:ALA:HA	3	0.41
(1,949)	1:461:A:ALA:HB2	1:462:A:ALA:HA	3	0.41
(1,949)	1:461:A:ALA:HB3	1:462:A:ALA:HA	3	0.41
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB1	8	0.41
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB2	8	0.41
(1,946)	1:461:A:ALA:HB1	1:462:A:ALA:HB3	8	0.41
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB1	8	0.41
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB2	8	0.41
(1,946)	1:461:A:ALA:HB2	1:462:A:ALA:HB3	8	0.41
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB1	8	0.41
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB2	8	0.41
(1,946)	1:461:A:ALA:HB3	1:462:A:ALA:HB3	8	0.41
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE1	17	0.41
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE2	17	0.41
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE3	17	0.41
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE1	17	0.41
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE2	17	0.41
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE3	17	0.41
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE1	17	0.41
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE2	17	0.41
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE3	17	0.41
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG11	18	0.41
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG12	18	0.41
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG13	18	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG11	18	0.41
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG12	18	0.41
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG13	18	0.41
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG11	18	0.41
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG12	18	0.41
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG13	18	0.41
(1,926)	1:406:A:ASN:HB3	1:407:A:LEU:H	17	0.41
(1,888)	1:448:A:PHE:HB2	1:449:A:GLY:HA2	11	0.41
(1,888)	1:448:A:PHE:HB3	1:449:A:GLY:HA2	11	0.41
(1,888)	1:448:A:PHE:HB2	1:449:A:GLY:HA2	12	0.41
(1,888)	1:448:A:PHE:HB3	1:449:A:GLY:HA2	12	0.41
(1,883)	1:453:A:TYR:HB3	1:454:A:ASP:H	8	0.41
(1,874)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	14	0.41
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD2	20	0.41
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD3	20	0.41
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB1	2	0.41
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB2	2	0.41
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB3	2	0.41
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	8	0.41
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	8	0.41
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	8	0.41
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	8	0.41
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	8	0.41
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	8	0.41
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	1	0.41
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	1	0.41
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	1	0.41
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB1	14	0.41
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB2	14	0.41
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB3	14	0.41
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG11	2	0.41
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG12	2	0.41
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG13	2	0.41
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG11	6	0.41
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG12	6	0.41
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG13	6	0.41
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	10	0.41
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	10	0.41
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	10	0.41
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	10	0.41
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	10	0.41
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	10	0.41
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	10	0.41
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	10	0.41
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG2	10	0.41
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG3	10	0.41
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG2	10	0.41
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG3	10	0.41
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG2	10	0.41
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG3	10	0.41
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG2	10	0.41
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG3	10	0.41
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG2	10	0.41
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG3	10	0.41
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG2	10	0.41
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG3	10	0.41
(1,682)	1:442:A:THR:HB	1:443:A:ASN:H	8	0.41
(1,662)	1:480:A:LEU:HG	1:481:A:LYS:HB3	11	0.41
(1,655)	1:474:A:LYS:H	1:474:A:LYS:HG3	3	0.41
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG11	6	0.41
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG12	6	0.41
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG13	6	0.41
(1,615)	1:407:A:LEU:HG	1:462:A:ALA:H	4	0.41
(1,609)	1:409:A:ILE:HA	1:411:A:HIS:HB2	14	0.41
(1,609)	1:409:A:ILE:HA	1:411:A:HIS:HB2	16	0.41
(1,602)	1:428:A:PHE:HB3	1:429:A:GLY:H	2	0.41
(1,594)	1:439:A:ASP:HB2	1:442:A:THR:H	20	0.41
(1,583)	1:426:A:MET:HA	1:428:A:PHE:H	15	0.41
(1,579)	1:400:A:GLU:HB3	1:401:A:GLY:H	20	0.41
(1,573)	1:463:A:ILE:HA	1:466:A:MET:H	16	0.41
(1,567)	1:419:A:GLN:HE22	1:423:A:GLN:HB2	11	0.41
(1,567)	1:419:A:GLN:HE22	1:423:A:GLN:HB3	11	0.41
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG21	2	0.41
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG22	2	0.41
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG23	2	0.41
(1,542)	1:453:A:TYR:HB3	1:454:A:ASP:H	8	0.41
(1,541)	1:454:A:ASP:H	1:458:A:SER:HB3	5	0.41
(1,504)	1:409:A:ILE:HA	1:412:A:LEU:H	3	0.41
(1,504)	1:409:A:ILE:HA	1:412:A:LEU:H	18	0.41
(1,501)	1:467:A:ASN:H	1:467:A:ASN:HD21	10	0.41
(1,501)	1:467:A:ASN:H	1:467:A:ASN:HD21	14	0.41
(1,496)	1:455:A:ASN:HA	1:455:A:ASN:HD22	18	0.41
(1,496)	1:455:A:ASN:HA	1:455:A:ASN:HD22	19	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,490)	1:406:A:ASN:H	1:406:A:ASN:HD21	19	0.41
(1,481)	1:406:A:ASN:H	1:407:A:LEU:H	8	0.41
(1,481)	1:406:A:ASN:H	1:407:A:LEU:H	13	0.41
(1,468)	1:421:A:ILE:HG21	1:423:A:GLN:H	6	0.41
(1,468)	1:421:A:ILE:HG22	1:423:A:GLN:H	6	0.41
(1,468)	1:421:A:ILE:HG23	1:423:A:GLN:H	6	0.41
(1,434)	1:416:A:PHE:HB3	1:421:A:ILE:H	13	0.41
(1,412)	1:441:A:GLN:H	1:443:A:ASN:H	11	0.41
(1,400)	1:426:A:MET:HE1	1:430:A:ASN:H	9	0.41
(1,400)	1:426:A:MET:HE2	1:430:A:ASN:H	9	0.41
(1,400)	1:426:A:MET:HE3	1:430:A:ASN:H	9	0.41
(1,344)	1:467:A:ASN:H	1:468:A:GLY:H	9	0.41
(1,338)	1:408:A:PHE:H	1:409:A:ILE:H	1	0.41
(1,317)	1:473:A:MET:HB3	1:474:A:LYS:H	6	0.41
(1,307)	1:474:A:LYS:H	1:475:A:ARG:H	7	0.41
(1,307)	1:474:A:LYS:H	1:475:A:ARG:H	10	0.41
(1,307)	1:474:A:LYS:H	1:475:A:ARG:H	16	0.41
(1,306)	1:475:A:ARG:H	1:476:A:LEU:H	3	0.41
(1,306)	1:475:A:ARG:H	1:476:A:LEU:H	6	0.41
(1,306)	1:475:A:ARG:H	1:476:A:LEU:H	11	0.41
(1,297)	1:405:A:ALA:H	1:406:A:ASN:HB3	13	0.41
(1,296)	1:450:A:PHE:H	1:451:A:VAL:H	20	0.41
(1,260)	1:408:A:PHE:H	1:409:A:ILE:H	1	0.41
(1,247)	1:452:A:SER:HB3	1:453:A:TYR:H	3	0.41
(1,231)	1:437:A:PHE:HB3	1:438:A:ILE:H	17	0.41
(1,221)	1:407:A:LEU:HG	1:462:A:ALA:H	4	0.41
(1,207)	1:417:A:GLY:H	1:418:A:ASP:H	10	0.41
(1,206)	1:412:A:LEU:HD11	1:416:A:PHE:H	19	0.41
(1,206)	1:412:A:LEU:HD12	1:416:A:PHE:H	19	0.41
(1,206)	1:412:A:LEU:HD13	1:416:A:PHE:H	19	0.41
(1,206)	1:412:A:LEU:HD21	1:416:A:PHE:H	19	0.41
(1,206)	1:412:A:LEU:HD22	1:416:A:PHE:H	19	0.41
(1,206)	1:412:A:LEU:HD23	1:416:A:PHE:H	19	0.41
(1,184)	1:479:A:GLN:H	1:480:A:LEU:H	9	0.41
(1,178)	1:419:A:GLN:HA	1:422:A:LEU:H	13	0.41
(1,157)	1:406:A:ASN:HB2	1:407:A:LEU:H	5	0.41
(1,154)	1:406:A:ASN:HB3	1:407:A:LEU:H	17	0.41
(1,152)	1:406:A:ASN:H	1:407:A:LEU:H	8	0.41
(1,152)	1:406:A:ASN:H	1:407:A:LEU:H	13	0.41
(1,139)	1:409:A:ILE:H	1:410:A:TYR:H	16	0.41
(1,138)	1:410:A:TYR:H	1:411:A:HIS:H	8	0.41
(1,138)	1:410:A:TYR:H	1:411:A:HIS:H	17	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:405:A:ALA:HB1	1:451:A:VAL:H	17	0.41
(1,133)	1:405:A:ALA:HB2	1:451:A:VAL:H	17	0.41
(1,133)	1:405:A:ALA:HB3	1:451:A:VAL:H	17	0.41
(1,128)	1:467:A:ASN:HA	1:469:A:PHE:H	2	0.41
(1,93)	1:476:A:LEU:H	1:477:A:LYS:H	7	0.41
(1,93)	1:476:A:LEU:H	1:477:A:LYS:H	13	0.41
(1,79)	1:433:A:SER:H	1:434:A:ALA:H	4	0.41
(1,76)	1:445:A:SER:H	1:446:A:LYS:H	15	0.41
(1,62)	1:435:A:LYS:HE2	1:437:A:PHE:H	18	0.41
(1,62)	1:435:A:LYS:HE3	1:437:A:PHE:H	18	0.41
(1,54)	1:470:A:GLN:H	1:471:A:ILE:H	4	0.41
(1,49)	1:439:A:ASP:H	1:444:A:LEU:HB3	7	0.41
(1,48)	1:438:A:ILE:HB	1:439:A:ASP:H	7	0.41
(1,42)	1:439:A:ASP:H	1:444:A:LEU:HG	5	0.41
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD11	14	0.41
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD12	14	0.41
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD13	14	0.41
(1,5)	1:469:A:PHE:HB2	1:470:A:GLN:H	19	0.41
(1,1601)	1:407:A:LEU:HG	1:453:A:TYR:HE1	9	0.4
(1,1601)	1:407:A:LEU:HG	1:453:A:TYR:HE2	9	0.4
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE1	17	0.4
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE2	17	0.4
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD1	16	0.4
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD2	16	0.4
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE1	5	0.4
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE2	5	0.4
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE1	8	0.4
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE2	8	0.4
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE1	15	0.4
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE2	15	0.4
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE1	19	0.4
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE2	19	0.4
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	19	0.4
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	19	0.4
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	19	0.4
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	19	0.4
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	19	0.4
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	19	0.4
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD2	4	0.4
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD3	4	0.4
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG21	1	0.4
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG22	1	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG23	1	0.4
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG11	5	0.4
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG12	5	0.4
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG13	5	0.4
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG11	14	0.4
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG12	14	0.4
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG13	14	0.4
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG11	15	0.4
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG12	15	0.4
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG13	15	0.4
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD11	16	0.4
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD12	16	0.4
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD13	16	0.4
(1,1492)	1:461:A:ALA:HB1	1:462:A:ALA:HA	17	0.4
(1,1492)	1:461:A:ALA:HB2	1:462:A:ALA:HA	17	0.4
(1,1492)	1:461:A:ALA:HB3	1:462:A:ALA:HA	17	0.4
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG21	19	0.4
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG22	19	0.4
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG23	19	0.4
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD2	4	0.4
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD3	4	0.4
(1,1468)	1:484:A:LYS:HA	1:485:A:ASN:HA	15	0.4
(1,1468)	1:484:A:LYS:HA	1:485:A:ASN:HA	18	0.4
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD11	7	0.4
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD12	7	0.4
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD13	7	0.4
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD11	7	0.4
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD12	7	0.4
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD13	7	0.4
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD11	7	0.4
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD12	7	0.4
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD13	7	0.4
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD11	7	0.4
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD12	7	0.4
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD13	7	0.4
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD11	7	0.4
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD12	7	0.4
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD13	7	0.4
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD11	7	0.4
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD12	7	0.4
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD13	7	0.4
(1,1408)	1:431:A:VAL:HA	1:432:A:ILE:HA	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1348)	1:475:A:ARG:HA	1:475:A:ARG:HD2	16	0.4
(1,1344)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	19	0.4
(1,1344)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	19	0.4
(1,1344)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	19	0.4
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG11	6	0.4
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG12	6	0.4
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG13	6	0.4
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG11	6	0.4
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG12	6	0.4
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG13	6	0.4
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG11	3	0.4
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG12	3	0.4
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG13	3	0.4
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG11	10	0.4
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG12	10	0.4
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG13	10	0.4
(1,1314)	1:429:A:GLY:HA2	1:430:A:ASN:HA	4	0.4
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG2	7	0.4
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG3	7	0.4
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG2	7	0.4
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG3	7	0.4
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG2	7	0.4
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG3	7	0.4
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG2	7	0.4
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG3	7	0.4
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG2	7	0.4
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG3	7	0.4
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG2	7	0.4
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG3	7	0.4
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG2	17	0.4
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG3	17	0.4
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG2	17	0.4
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG3	17	0.4
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG2	17	0.4
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG3	17	0.4
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG2	17	0.4
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG3	17	0.4
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG2	17	0.4
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG3	17	0.4
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG2	17	0.4
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG3	17	0.4
(1,1248)	1:404:A:GLY:HA3	1:480:A:LEU:HG	14	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1247)	1:412:A:LEU:HG	1:421:A:ILE:HG13	18	0.4
(1,1227)	1:412:A:LEU:HG	1:413:A:PRO:HG2	15	0.4
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	3	0.4
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	3	0.4
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	3	0.4
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	3	0.4
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	3	0.4
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	3	0.4
(1,1219)	1:414:A:GLN:HB2	1:415:A:GLU:H	10	0.4
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD1	10	0.4
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD2	10	0.4
(1,1193)	1:406:A:ASN:HA	1:453:A:TYR:H	17	0.4
(1,1159)	1:459:A:ALA:HA	1:461:A:ALA:HA	13	0.4
(1,1127)	1:467:A:ASN:HA	1:469:A:PHE:H	5	0.4
(1,1127)	1:467:A:ASN:HA	1:469:A:PHE:H	6	0.4
(1,1122)	1:408:A:PHE:HA	1:449:A:GLY:H	17	0.4
(1,1088)	1:419:A:GLN:HA	1:422:A:LEU:H	12	0.4
(1,1084)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	3	0.4
(1,1084)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	19	0.4
(1,1077)	1:413:A:PRO:HB2	1:414:A:GLN:HA	11	0.4
(1,1077)	1:413:A:PRO:HB3	1:414:A:GLN:HA	11	0.4
(1,1073)	1:432:A:ILE:HD11	1:454:A:ASP:H	20	0.4
(1,1073)	1:432:A:ILE:HD12	1:454:A:ASP:H	20	0.4
(1,1073)	1:432:A:ILE:HD13	1:454:A:ASP:H	20	0.4
(1,1052)	1:400:A:GLU:HG3	1:401:A:GLY:H	9	0.4
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD11	1	0.4
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD12	1	0.4
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD13	1	0.4
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD11	17	0.4
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD12	17	0.4
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD13	17	0.4
(1,975)	1:438:A:ILE:HG21	1:439:A:ASP:H	8	0.4
(1,975)	1:438:A:ILE:HG22	1:439:A:ASP:H	8	0.4
(1,975)	1:438:A:ILE:HG23	1:439:A:ASP:H	8	0.4
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG21	7	0.4
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG22	7	0.4
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG23	7	0.4
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG21	7	0.4
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG22	7	0.4
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG23	7	0.4
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG21	16	0.4
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG22	16	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG23	16	0.4
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG21	16	0.4
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG22	16	0.4
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG23	16	0.4
(1,959)	1:432:A:ILE:HG21	1:454:A:ASP:H	20	0.4
(1,959)	1:432:A:ILE:HG22	1:454:A:ASP:H	20	0.4
(1,959)	1:432:A:ILE:HG23	1:454:A:ASP:H	20	0.4
(1,949)	1:461:A:ALA:HB1	1:462:A:ALA:HA	17	0.4
(1,949)	1:461:A:ALA:HB2	1:462:A:ALA:HA	17	0.4
(1,949)	1:461:A:ALA:HB3	1:462:A:ALA:HA	17	0.4
(1,888)	1:448:A:PHE:HB2	1:449:A:GLY:HA2	2	0.4
(1,888)	1:448:A:PHE:HB3	1:449:A:GLY:HA2	2	0.4
(1,888)	1:448:A:PHE:HB2	1:449:A:GLY:HA2	10	0.4
(1,888)	1:448:A:PHE:HB3	1:449:A:GLY:HA2	10	0.4
(1,883)	1:453:A:TYR:HB3	1:454:A:ASP:H	11	0.4
(1,874)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	3	0.4
(1,852)	1:405:A:ALA:HB1	1:455:A:ASN:H	2	0.4
(1,852)	1:405:A:ALA:HB2	1:455:A:ASN:H	2	0.4
(1,852)	1:405:A:ALA:HB3	1:455:A:ASN:H	2	0.4
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	19	0.4
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	19	0.4
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	19	0.4
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	19	0.4
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	19	0.4
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	19	0.4
(1,828)	1:401:A:GLY:HA2	1:402:A:PRO:HG3	12	0.4
(1,828)	1:401:A:GLY:HA2	1:402:A:PRO:HG3	14	0.4
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	18	0.4
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	18	0.4
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	18	0.4
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB1	4	0.4
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB2	4	0.4
(1,814)	1:433:A:SER:HA	1:434:A:ALA:HB3	4	0.4
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	3	0.4
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	3	0.4
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	3	0.4
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	3	0.4
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	3	0.4
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	3	0.4
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	4	0.4
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	4	0.4
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	20	0.4
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	20	0.4
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG11	5	0.4
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG12	5	0.4
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG13	5	0.4
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG11	14	0.4
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG12	14	0.4
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG13	14	0.4
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG11	15	0.4
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG12	15	0.4
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG13	15	0.4
(1,738)	1:431:A:VAL:HG11	1:432:A:ILE:H	17	0.4
(1,738)	1:431:A:VAL:HG12	1:432:A:ILE:H	17	0.4
(1,738)	1:431:A:VAL:HG13	1:432:A:ILE:H	17	0.4
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	9	0.4
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	9	0.4
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG21	11	0.4
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG22	11	0.4
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG23	11	0.4
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD2	1	0.4
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD3	1	0.4
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD2	1	0.4
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD3	1	0.4
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD2	1	0.4
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD3	1	0.4
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG2	16	0.4
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG3	16	0.4
(1,682)	1:442:A:THR:HB	1:443:A:ASN:H	18	0.4
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB2	11	0.4
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB3	11	0.4
(1,660)	1:406:A:ASN:H	1:480:A:LEU:HG	20	0.4
(1,655)	1:474:A:LYS:H	1:474:A:LYS:HG3	16	0.4
(1,629)	1:402:A:PRO:HD3	1:403:A:GLU:HB2	13	0.4
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG11	3	0.4
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG12	3	0.4
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG13	3	0.4
(1,615)	1:407:A:LEU:HG	1:462:A:ALA:H	20	0.4
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD1	13	0.4
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD2	13	0.4
(1,605)	1:426:A:MET:HA	1:429:A:GLY:H	9	0.4
(1,602)	1:428:A:PHE:HB3	1:429:A:GLY:H	11	0.4
(1,598)	1:429:A:GLY:H	1:430:A:ASN:H	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,598)	1:429:A:GLY:H	1:430:A:ASN:H	16	0.4
(1,597)	1:441:A:GLN:HB3	1:442:A:THR:H	18	0.4
(1,588)	1:409:A:ILE:H	1:449:A:GLY:H	1	0.4
(1,586)	1:427:A:PRO:HG2	1:428:A:PHE:H	11	0.4
(1,583)	1:426:A:MET:HA	1:428:A:PHE:H	7	0.4
(1,579)	1:400:A:GLU:HB3	1:401:A:GLY:H	19	0.4
(1,544)	1:432:A:ILE:HG21	1:454:A:ASP:H	20	0.4
(1,544)	1:432:A:ILE:HG22	1:454:A:ASP:H	20	0.4
(1,544)	1:432:A:ILE:HG23	1:454:A:ASP:H	20	0.4
(1,542)	1:453:A:TYR:HB3	1:454:A:ASP:H	11	0.4
(1,520)	1:433:A:SER:H	1:453:A:TYR:HA	20	0.4
(1,496)	1:455:A:ASN:HA	1:455:A:ASN:HD22	3	0.4
(1,496)	1:455:A:ASN:HA	1:455:A:ASN:HD22	7	0.4
(1,468)	1:421:A:ILE:HG21	1:423:A:GLN:H	15	0.4
(1,468)	1:421:A:ILE:HG22	1:423:A:GLN:H	15	0.4
(1,468)	1:421:A:ILE:HG23	1:423:A:GLN:H	15	0.4
(1,468)	1:421:A:ILE:HG21	1:423:A:GLN:H	17	0.4
(1,468)	1:421:A:ILE:HG22	1:423:A:GLN:H	17	0.4
(1,468)	1:421:A:ILE:HG23	1:423:A:GLN:H	17	0.4
(1,366)	1:467:A:ASN:HB3	1:468:A:GLY:H	5	0.4
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG21	11	0.4
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG22	11	0.4
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG23	11	0.4
(1,344)	1:467:A:ASN:H	1:468:A:GLY:H	4	0.4
(1,340)	1:465:A:ALA:H	1:467:A:ASN:H	2	0.4
(1,338)	1:408:A:PHE:H	1:409:A:ILE:H	5	0.4
(1,338)	1:408:A:PHE:H	1:409:A:ILE:H	6	0.4
(1,338)	1:408:A:PHE:H	1:409:A:ILE:H	11	0.4
(1,338)	1:408:A:PHE:H	1:409:A:ILE:H	18	0.4
(1,338)	1:408:A:PHE:H	1:409:A:ILE:H	20	0.4
(1,314)	1:474:A:LYS:HD2	1:475:A:ARG:H	6	0.4
(1,314)	1:474:A:LYS:HD3	1:475:A:ARG:H	6	0.4
(1,307)	1:474:A:LYS:H	1:475:A:ARG:H	2	0.4
(1,307)	1:474:A:LYS:H	1:475:A:ARG:H	6	0.4
(1,306)	1:475:A:ARG:H	1:476:A:LEU:H	9	0.4
(1,306)	1:475:A:ARG:H	1:476:A:LEU:H	20	0.4
(1,302)	1:403:A:GLU:HG2	1:405:A:ALA:H	14	0.4
(1,287)	1:436:A:VAL:HA	1:450:A:PHE:H	9	0.4
(1,283)	1:407:A:LEU:HG	1:459:A:ALA:H	8	0.4
(1,283)	1:407:A:LEU:HG	1:459:A:ALA:H	18	0.4
(1,281)	1:455:A:ASN:HB3	1:459:A:ALA:H	13	0.4
(1,271)	1:456:A:PRO:HD2	1:457:A:VAL:H	5	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,260)	1:408:A:PHE:H	1:409:A:ILE:H	5	0.4
(1,260)	1:408:A:PHE:H	1:409:A:ILE:H	6	0.4
(1,260)	1:408:A:PHE:H	1:409:A:ILE:H	11	0.4
(1,260)	1:408:A:PHE:H	1:409:A:ILE:H	18	0.4
(1,260)	1:408:A:PHE:H	1:409:A:ILE:H	20	0.4
(1,245)	1:453:A:TYR:H	1:454:A:ASP:H	18	0.4
(1,227)	1:418:A:ASP:H	1:436:A:VAL:HB	18	0.4
(1,221)	1:407:A:LEU:HG	1:462:A:ALA:H	20	0.4
(1,209)	1:418:A:ASP:H	1:420:A:ASP:HB3	17	0.4
(1,207)	1:417:A:GLY:H	1:418:A:ASP:H	13	0.4
(1,207)	1:417:A:GLY:H	1:418:A:ASP:H	20	0.4
(1,187)	1:460:A:GLN:HG2	1:461:A:ALA:H	20	0.4
(1,187)	1:460:A:GLN:HG3	1:461:A:ALA:H	20	0.4
(1,184)	1:479:A:GLN:H	1:480:A:LEU:H	5	0.4
(1,184)	1:479:A:GLN:H	1:480:A:LEU:H	6	0.4
(1,184)	1:479:A:GLN:H	1:480:A:LEU:H	11	0.4
(1,181)	1:418:A:ASP:HB2	1:422:A:LEU:H	14	0.4
(1,181)	1:418:A:ASP:HB2	1:422:A:LEU:H	16	0.4
(1,178)	1:419:A:GLN:HA	1:422:A:LEU:H	12	0.4
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD2	13	0.4
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD3	13	0.4
(1,155)	1:407:A:LEU:H	1:408:A:PHE:HB2	12	0.4
(1,139)	1:409:A:ILE:H	1:410:A:TYR:H	11	0.4
(1,139)	1:409:A:ILE:H	1:410:A:TYR:H	17	0.4
(1,138)	1:410:A:TYR:H	1:411:A:HIS:H	11	0.4
(1,138)	1:410:A:TYR:H	1:411:A:HIS:H	18	0.4
(1,133)	1:405:A:ALA:HB1	1:451:A:VAL:H	3	0.4
(1,133)	1:405:A:ALA:HB2	1:451:A:VAL:H	3	0.4
(1,133)	1:405:A:ALA:HB3	1:451:A:VAL:H	3	0.4
(1,128)	1:467:A:ASN:HA	1:469:A:PHE:H	5	0.4
(1,128)	1:467:A:ASN:HA	1:469:A:PHE:H	6	0.4
(1,103)	1:407:A:LEU:HG	1:479:A:GLN:H	1	0.4
(1,101)	1:450:A:PHE:HB3	1:451:A:VAL:H	7	0.4
(1,84)	1:406:A:ASN:H	1:481:A:LYS:H	2	0.4
(1,79)	1:433:A:SER:H	1:434:A:ALA:H	6	0.4
(1,76)	1:445:A:SER:H	1:446:A:LYS:H	2	0.4
(1,54)	1:470:A:GLN:H	1:471:A:ILE:H	11	0.4
(1,52)	1:471:A:ILE:H	1:474:A:LYS:H	1	0.4
(1,21)	1:424:A:MET:H	1:426:A:MET:H	3	0.4
(1,21)	1:424:A:MET:H	1:426:A:MET:H	11	0.4
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	4	0.39
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	15	0.39
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	15	0.39
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	19	0.39
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	19	0.39
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	7	0.39
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	7	0.39
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	7	0.39
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	7	0.39
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	7	0.39
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	7	0.39
(1,1520)	1:434:A:ALA:HA	1:451:A:VAL:HA	4	0.39
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG21	8	0.39
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG22	8	0.39
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG23	8	0.39
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG21	7	0.39
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG22	7	0.39
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG23	7	0.39
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG21	11	0.39
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG22	11	0.39
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG23	11	0.39
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG11	9	0.39
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG12	9	0.39
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG13	9	0.39
(1,1492)	1:461:A:ALA:HB1	1:462:A:ALA:HA	13	0.39
(1,1492)	1:461:A:ALA:HB2	1:462:A:ALA:HA	13	0.39
(1,1492)	1:461:A:ALA:HB3	1:462:A:ALA:HA	13	0.39
(1,1468)	1:484:A:LYS:HA	1:485:A:ASN:HA	4	0.39
(1,1468)	1:484:A:LYS:HA	1:485:A:ASN:HA	17	0.39
(1,1464)	1:431:A:VAL:HA	1:453:A:TYR:HA	6	0.39
(1,1408)	1:431:A:VAL:HA	1:432:A:ILE:HA	3	0.39
(1,1408)	1:431:A:VAL:HA	1:432:A:ILE:HA	19	0.39
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB1	15	0.39
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB2	15	0.39
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB3	15	0.39
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB1	15	0.39
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB2	15	0.39
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB3	15	0.39
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB1	15	0.39
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB2	15	0.39
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB3	15	0.39
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	16	0.39
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	16	0.39
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	16	0.39
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	16	0.39
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	16	0.39
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	16	0.39
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	16	0.39
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	16	0.39
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	16	0.39
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	16	0.39
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	16	0.39
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	16	0.39
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	16	0.39
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	16	0.39
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	16	0.39
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	16	0.39
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	16	0.39
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	7	0.39
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	7	0.39
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	7	0.39
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	7	0.39
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	7	0.39
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	7	0.39
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG11	8	0.39
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG12	8	0.39
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG13	8	0.39
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG11	8	0.39
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG12	8	0.39
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG13	8	0.39
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG11	12	0.39
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG12	12	0.39
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG13	12	0.39
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	9	0.39
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	9	0.39
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	9	0.39
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	9	0.39
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	9	0.39
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	9	0.39
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	9	0.39
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	9	0.39
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	9	0.39
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	10	0.39
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	10	0.39
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG21	2	0.39
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG22	2	0.39
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG23	2	0.39
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG21	2	0.39
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG22	2	0.39
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG23	2	0.39
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG2	13	0.39
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG3	13	0.39
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG2	13	0.39
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG3	13	0.39
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG2	13	0.39
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG3	13	0.39
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG2	13	0.39
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG3	13	0.39
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG2	13	0.39
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG3	13	0.39
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG2	13	0.39
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG3	13	0.39
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	16	0.39
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	16	0.39
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	16	0.39
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	16	0.39
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	16	0.39
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	16	0.39
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	16	0.39
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	16	0.39
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	16	0.39
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	16	0.39
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	16	0.39
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	16	0.39
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	16	0.39
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	16	0.39
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	16	0.39
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	16	0.39
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	16	0.39
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	16	0.39
(1,1232)	1:419:A:GLN:HB3	1:420:A:ASP:H	7	0.39
(1,1230)	1:402:A:PRO:HG2	1:455:A:ASN:HA	1	0.39
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	2	0.39
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	2	0.39
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	2	0.39
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	2	0.39
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	2	0.39
(1,1161)	1:459:A:ALA:HA	1:461:A:ALA:H	8	0.39
(1,1157)	1:461:A:ALA:HA	1:464:A:GLN:H	8	0.39
(1,1147)	1:424:A:MET:HG2	1:425:A:PHE:H	8	0.39
(1,1147)	1:424:A:MET:HG3	1:425:A:PHE:H	8	0.39
(1,1147)	1:424:A:MET:HG2	1:425:A:PHE:H	19	0.39
(1,1147)	1:424:A:MET:HG3	1:425:A:PHE:H	19	0.39
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB2	2	0.39
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB3	2	0.39
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB2	2	0.39
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB3	2	0.39
(1,1127)	1:467:A:ASN:HA	1:469:A:PHE:H	1	0.39
(1,1127)	1:467:A:ASN:HA	1:469:A:PHE:H	11	0.39
(1,1127)	1:467:A:ASN:HA	1:469:A:PHE:H	13	0.39
(1,1116)	1:432:A:ILE:H	1:453:A:TYR:HA	15	0.39
(1,1105)	1:463:A:ILE:HA	1:478:A:VAL:HB	8	0.39
(1,1098)	1:440:A:LYS:HA	1:442:A:THR:H	16	0.39
(1,1088)	1:419:A:GLN:HA	1:422:A:LEU:H	3	0.39
(1,1084)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	4	0.39
(1,1084)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	6	0.39
(1,1077)	1:413:A:PRO:HB2	1:414:A:GLN:HA	9	0.39
(1,1077)	1:413:A:PRO:HB3	1:414:A:GLN:HA	9	0.39
(1,1073)	1:432:A:ILE:HD11	1:454:A:ASP:H	7	0.39
(1,1073)	1:432:A:ILE:HD12	1:454:A:ASP:H	7	0.39
(1,1073)	1:432:A:ILE:HD13	1:454:A:ASP:H	7	0.39
(1,1073)	1:432:A:ILE:HD11	1:454:A:ASP:H	14	0.39
(1,1073)	1:432:A:ILE:HD12	1:454:A:ASP:H	14	0.39
(1,1073)	1:432:A:ILE:HD13	1:454:A:ASP:H	14	0.39
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD11	1	0.39
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD12	1	0.39
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD13	1	0.39
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD11	8	0.39
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD12	8	0.39
(1,1041)	1:421:A:ILE:H	1:421:A:ILE:HD13	8	0.39
(1,997)	1:485:A:ASN:HB2	1:486:A:ASP:H	20	0.39
(1,975)	1:438:A:ILE:HG21	1:439:A:ASP:H	16	0.39
(1,975)	1:438:A:ILE:HG22	1:439:A:ASP:H	16	0.39
(1,975)	1:438:A:ILE:HG23	1:439:A:ASP:H	16	0.39
(1,959)	1:432:A:ILE:HG21	1:454:A:ASP:H	13	0.39
(1,959)	1:432:A:ILE:HG22	1:454:A:ASP:H	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,959)	1:432:A:ILE:HG23	1:454:A:ASP:H	13	0.39
(1,959)	1:432:A:ILE:HG21	1:454:A:ASP:H	14	0.39
(1,959)	1:432:A:ILE:HG22	1:454:A:ASP:H	14	0.39
(1,959)	1:432:A:ILE:HG23	1:454:A:ASP:H	14	0.39
(1,949)	1:461:A:ALA:HB1	1:462:A:ALA:HA	13	0.39
(1,949)	1:461:A:ALA:HB2	1:462:A:ALA:HA	13	0.39
(1,949)	1:461:A:ALA:HB3	1:462:A:ALA:HA	13	0.39
(1,888)	1:448:A:PHE:HB2	1:449:A:GLY:HA2	5	0.39
(1,888)	1:448:A:PHE:HB3	1:449:A:GLY:HA2	5	0.39
(1,888)	1:448:A:PHE:HB2	1:449:A:GLY:HA2	13	0.39
(1,888)	1:448:A:PHE:HB3	1:449:A:GLY:HA2	13	0.39
(1,874)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	1	0.39
(1,874)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	6	0.39
(1,863)	1:417:A:GLY:HA3	1:419:A:GLN:H	12	0.39
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB1	1	0.39
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB2	1	0.39
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB3	1	0.39
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB1	10	0.39
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB2	10	0.39
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB3	10	0.39
(1,831)	1:450:A:PHE:HB3	1:451:A:VAL:HB	5	0.39
(1,828)	1:401:A:GLY:HA2	1:402:A:PRO:HG3	10	0.39
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	12	0.39
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	12	0.39
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	12	0.39
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	2	0.39
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	2	0.39
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	2	0.39
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	2	0.39
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	2	0.39
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	2	0.39
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	5	0.39
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	5	0.39
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	5	0.39
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	5	0.39
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	5	0.39
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	5	0.39
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	9	0.39
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	9	0.39
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	9	0.39
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	9	0.39
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	9	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	9	0.39
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	9	0.39
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	9	0.39
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	9	0.39
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB2	15	0.39
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB3	15	0.39
(1,752)	1:436:A:VAL:HG21	1:437:A:PHE:H	19	0.39
(1,752)	1:436:A:VAL:HG22	1:437:A:PHE:H	19	0.39
(1,752)	1:436:A:VAL:HG23	1:437:A:PHE:H	19	0.39
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG11	9	0.39
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG12	9	0.39
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG13	9	0.39
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG21	17	0.39
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG22	17	0.39
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG23	17	0.39
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG21	9	0.39
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG22	9	0.39
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG23	9	0.39
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG21	12	0.39
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG22	12	0.39
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG23	12	0.39
(1,682)	1:442:A:THR:HB	1:443:A:ASN:H	3	0.39
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB2	4	0.39
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB3	4	0.39
(1,667)	1:473:A:MET:HG2	1:474:A:LYS:HG2	15	0.39
(1,643)	1:410:A:TYR:HB2	1:412:A:LEU:HG	6	0.39
(1,638)	1:413:A:PRO:HD2	1:476:A:LEU:HG	1	0.39
(1,638)	1:413:A:PRO:HD3	1:476:A:LEU:HG	1	0.39
(1,634)	1:469:A:PHE:HE1	1:476:A:LEU:HG	12	0.39
(1,634)	1:469:A:PHE:HE2	1:476:A:LEU:HG	12	0.39
(1,629)	1:402:A:PRO:HD3	1:403:A:GLU:HB2	15	0.39
(1,609)	1:409:A:ILE:HA	1:411:A:HIS:HB2	6	0.39
(1,602)	1:428:A:PHE:HB3	1:429:A:GLY:H	16	0.39
(1,598)	1:429:A:GLY:H	1:430:A:ASN:H	13	0.39
(1,573)	1:463:A:ILE:HA	1:466:A:MET:H	1	0.39
(1,573)	1:463:A:ILE:HA	1:466:A:MET:H	3	0.39
(1,573)	1:463:A:ILE:HA	1:466:A:MET:H	7	0.39
(1,573)	1:463:A:ILE:HA	1:466:A:MET:H	18	0.39
(1,567)	1:419:A:GLN:HE22	1:423:A:GLN:HB2	8	0.39
(1,567)	1:419:A:GLN:HE22	1:423:A:GLN:HB3	8	0.39
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG21	13	0.39
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG22	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG23	13	0.39
(1,544)	1:432:A:ILE:HG21	1:454:A:ASP:H	13	0.39
(1,544)	1:432:A:ILE:HG22	1:454:A:ASP:H	13	0.39
(1,544)	1:432:A:ILE:HG23	1:454:A:ASP:H	13	0.39
(1,544)	1:432:A:ILE:HG21	1:454:A:ASP:H	14	0.39
(1,544)	1:432:A:ILE:HG22	1:454:A:ASP:H	14	0.39
(1,544)	1:432:A:ILE:HG23	1:454:A:ASP:H	14	0.39
(1,539)	1:453:A:TYR:HB2	1:454:A:ASP:H	15	0.39
(1,504)	1:409:A:ILE:HA	1:412:A:LEU:H	20	0.39
(1,496)	1:455:A:ASN:HA	1:455:A:ASN:HD22	5	0.39
(1,483)	1:406:A:ASN:H	1:406:A:ASN:HD22	15	0.39
(1,483)	1:406:A:ASN:H	1:406:A:ASN:HD22	17	0.39
(1,466)	1:422:A:LEU:HB2	1:423:A:GLN:H	8	0.39
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG21	4	0.39
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG22	4	0.39
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG23	4	0.39
(1,425)	1:438:A:ILE:HB	1:443:A:ASN:H	18	0.39
(1,417)	1:439:A:ASP:HB2	1:441:A:GLN:H	16	0.39
(1,408)	1:420:A:ASP:H	1:422:A:LEU:H	6	0.39
(1,400)	1:426:A:MET:HE1	1:430:A:ASN:H	15	0.39
(1,400)	1:426:A:MET:HE2	1:430:A:ASN:H	15	0.39
(1,400)	1:426:A:MET:HE3	1:430:A:ASN:H	15	0.39
(1,387)	1:419:A:GLN:HB3	1:420:A:ASP:H	7	0.39
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB1	20	0.39
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB2	20	0.39
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB3	20	0.39
(1,369)	1:482:A:ARG:HB3	1:483:A:SER:H	19	0.39
(1,366)	1:467:A:ASN:HB3	1:468:A:GLY:H	17	0.39
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG21	9	0.39
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG22	9	0.39
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG23	9	0.39
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG21	12	0.39
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG22	12	0.39
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG23	12	0.39
(1,340)	1:465:A:ALA:H	1:467:A:ASN:H	5	0.39
(1,338)	1:408:A:PHE:H	1:409:A:ILE:H	10	0.39
(1,329)	1:402:A:PRO:HG2	1:403:A:GLU:H	20	0.39
(1,307)	1:474:A:LYS:H	1:475:A:ARG:H	3	0.39
(1,307)	1:474:A:LYS:H	1:475:A:ARG:H	12	0.39
(1,306)	1:475:A:ARG:H	1:476:A:LEU:H	1	0.39
(1,306)	1:475:A:ARG:H	1:476:A:LEU:H	12	0.39
(1,302)	1:403:A:GLU:HG2	1:405:A:ALA:H	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,296)	1:450:A:PHE:H	1:451:A:VAL:H	2	0.39
(1,296)	1:450:A:PHE:H	1:451:A:VAL:H	5	0.39
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG11	13	0.39
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG12	13	0.39
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG13	13	0.39
(1,283)	1:407:A:LEU:HG	1:459:A:ALA:H	2	0.39
(1,281)	1:455:A:ASN:HB3	1:459:A:ALA:H	6	0.39
(1,271)	1:456:A:PRO:HD2	1:457:A:VAL:H	2	0.39
(1,271)	1:456:A:PRO:HD2	1:457:A:VAL:H	14	0.39
(1,271)	1:456:A:PRO:HD2	1:457:A:VAL:H	15	0.39
(1,271)	1:456:A:PRO:HD2	1:457:A:VAL:H	18	0.39
(1,260)	1:408:A:PHE:H	1:409:A:ILE:H	10	0.39
(1,258)	1:435:A:LYS:H	1:436:A:VAL:H	17	0.39
(1,245)	1:453:A:TYR:H	1:454:A:ASP:H	2	0.39
(1,227)	1:418:A:ASP:H	1:436:A:VAL:HB	8	0.39
(1,205)	1:415:A:GLU:HG2	1:416:A:PHE:H	19	0.39
(1,205)	1:415:A:GLU:HG3	1:416:A:PHE:H	19	0.39
(1,186)	1:459:A:ALA:HA	1:461:A:ALA:H	8	0.39
(1,184)	1:479:A:GLN:H	1:480:A:LEU:H	3	0.39
(1,184)	1:479:A:GLN:H	1:480:A:LEU:H	8	0.39
(1,184)	1:479:A:GLN:H	1:480:A:LEU:H	13	0.39
(1,184)	1:479:A:GLN:H	1:480:A:LEU:H	14	0.39
(1,181)	1:418:A:ASP:HB2	1:422:A:LEU:H	8	0.39
(1,181)	1:418:A:ASP:HB2	1:422:A:LEU:H	9	0.39
(1,178)	1:419:A:GLN:HA	1:422:A:LEU:H	3	0.39
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD2	10	0.39
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD3	10	0.39
(1,139)	1:409:A:ILE:H	1:410:A:TYR:H	4	0.39
(1,139)	1:409:A:ILE:H	1:410:A:TYR:H	10	0.39
(1,128)	1:467:A:ASN:HA	1:469:A:PHE:H	1	0.39
(1,128)	1:467:A:ASN:HA	1:469:A:PHE:H	11	0.39
(1,128)	1:467:A:ASN:HA	1:469:A:PHE:H	13	0.39
(1,105)	1:408:A:PHE:HB3	1:479:A:GLN:H	12	0.39
(1,103)	1:407:A:LEU:HG	1:479:A:GLN:H	14	0.39
(1,101)	1:450:A:PHE:HB3	1:451:A:VAL:H	17	0.39
(1,94)	1:451:A:VAL:H	1:452:A:SER:H	7	0.39
(1,94)	1:451:A:VAL:H	1:452:A:SER:H	12	0.39
(1,94)	1:451:A:VAL:H	1:452:A:SER:H	19	0.39
(1,93)	1:476:A:LEU:H	1:477:A:LYS:H	12	0.39
(1,83)	1:431:A:VAL:HG21	1:434:A:ALA:H	11	0.39
(1,83)	1:431:A:VAL:HG22	1:434:A:ALA:H	11	0.39
(1,83)	1:431:A:VAL:HG23	1:434:A:ALA:H	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,79)	1:433:A:SER:H	1:434:A:ALA:H	13	0.39
(1,79)	1:433:A:SER:H	1:434:A:ALA:H	18	0.39
(1,78)	1:434:A:ALA:H	1:435:A:LYS:H	18	0.39
(1,76)	1:445:A:SER:H	1:446:A:LYS:H	1	0.39
(1,76)	1:445:A:SER:H	1:446:A:LYS:H	20	0.39
(1,71)	1:414:A:GLN:H	1:414:A:GLN:HG3	2	0.39
(1,71)	1:414:A:GLN:H	1:414:A:GLN:HG3	5	0.39
(1,60)	1:436:A:VAL:HG21	1:437:A:PHE:H	19	0.39
(1,60)	1:436:A:VAL:HG22	1:437:A:PHE:H	19	0.39
(1,60)	1:436:A:VAL:HG23	1:437:A:PHE:H	19	0.39
(1,28)	1:439:A:ASP:HB2	1:440:A:LYS:H	10	0.39
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD11	1	0.39
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD12	1	0.39
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD13	1	0.39
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE1	15	0.38
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE2	15	0.38
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE1	8	0.38
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE2	8	0.38
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	5	0.38
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	5	0.38
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	9	0.38
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	9	0.38
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	9	0.38
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	9	0.38
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	9	0.38
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	9	0.38
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD1	4	0.38
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD2	4	0.38
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD1	7	0.38
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD2	7	0.38
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD11	7	0.38
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD12	7	0.38
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD13	7	0.38
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD11	9	0.38
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD12	9	0.38
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD13	9	0.38
(1,1492)	1:461:A:ALA:HB1	1:462:A:ALA:HA	18	0.38
(1,1492)	1:461:A:ALA:HB2	1:462:A:ALA:HA	18	0.38
(1,1492)	1:461:A:ALA:HB3	1:462:A:ALA:HA	18	0.38
(1,1492)	1:461:A:ALA:HB1	1:462:A:ALA:HA	20	0.38
(1,1492)	1:461:A:ALA:HB2	1:462:A:ALA:HA	20	0.38
(1,1492)	1:461:A:ALA:HB3	1:462:A:ALA:HA	20	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG21	11	0.38
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG22	11	0.38
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG23	11	0.38
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	1	0.38
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	1	0.38
(1,1468)	1:484:A:LYS:HA	1:485:A:ASN:HA	7	0.38
(1,1468)	1:484:A:LYS:HA	1:485:A:ASN:HA	8	0.38
(1,1468)	1:484:A:LYS:HA	1:485:A:ASN:HA	12	0.38
(1,1468)	1:484:A:LYS:HA	1:485:A:ASN:HA	19	0.38
(1,1453)	1:433:A:SER:HA	1:434:A:ALA:HA	3	0.38
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD11	1	0.38
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD12	1	0.38
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD13	1	0.38
(1,1408)	1:431:A:VAL:HA	1:432:A:ILE:HA	15	0.38
(1,1405)	1:435:A:LYS:HB2	1:437:A:PHE:HB3	3	0.38
(1,1405)	1:435:A:LYS:HB3	1:437:A:PHE:HB3	3	0.38
(1,1387)	1:409:A:ILE:HB	1:449:A:GLY:HA3	3	0.38
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	13	0.38
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	13	0.38
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	13	0.38
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	13	0.38
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	13	0.38
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	13	0.38
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	13	0.38
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	13	0.38
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	13	0.38
(1,1322)	1:436:A:VAL:HG11	1:448:A:PHE:HA	2	0.38
(1,1322)	1:436:A:VAL:HG12	1:448:A:PHE:HA	2	0.38
(1,1322)	1:436:A:VAL:HG13	1:448:A:PHE:HA	2	0.38
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG11	6	0.38
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG12	6	0.38
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG13	6	0.38
(1,1314)	1:429:A:GLY:HA2	1:430:A:ASN:HA	9	0.38
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	3	0.38
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	3	0.38
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	3	0.38
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	3	0.38
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	3	0.38
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	3	0.38
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	3	0.38
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	3	0.38
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD11	15	0.38
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD12	15	0.38
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD13	15	0.38
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD21	15	0.38
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD22	15	0.38
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD23	15	0.38
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG2	2	0.38
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG3	2	0.38
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG2	2	0.38
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG3	2	0.38
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG2	2	0.38
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG3	2	0.38
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG2	2	0.38
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG3	2	0.38
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG2	2	0.38
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG3	2	0.38
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG2	2	0.38
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG3	2	0.38
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG2	6	0.38
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG3	6	0.38
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG2	6	0.38
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG3	6	0.38
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG2	6	0.38
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG3	6	0.38
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG2	6	0.38
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG3	6	0.38
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG2	6	0.38
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG3	6	0.38
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG2	6	0.38
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG3	6	0.38
(1,1240)	1:432:A:ILE:HG12	1:454:A:ASP:H	5	0.38
(1,1240)	1:432:A:ILE:HG13	1:454:A:ASP:H	5	0.38
(1,1227)	1:412:A:LEU:HG	1:413:A:PRO:HG2	20	0.38
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	10	0.38
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	10	0.38
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	10	0.38
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	10	0.38
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	10	0.38
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	10	0.38
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	14	0.38
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	14	0.38
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	14	0.38
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	14	0.38
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	14	0.38
(1,1219)	1:414:A:GLN:HB2	1:415:A:GLU:H	20	0.38
(1,1197)	1:441:A:GLN:HB2	1:442:A:THR:H	1	0.38
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD11	12	0.38
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD12	12	0.38
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD13	12	0.38
(1,1157)	1:461:A:ALA:HA	1:464:A:GLN:H	15	0.38
(1,1157)	1:461:A:ALA:HA	1:464:A:GLN:H	17	0.38
(1,1127)	1:467:A:ASN:HA	1:469:A:PHE:H	16	0.38
(1,1105)	1:463:A:ILE:HA	1:478:A:VAL:HB	16	0.38
(1,1084)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	15	0.38
(1,1076)	1:432:A:ILE:HD11	1:454:A:ASP:HB3	17	0.38
(1,1076)	1:432:A:ILE:HD12	1:454:A:ASP:HB3	17	0.38
(1,1076)	1:432:A:ILE:HD13	1:454:A:ASP:HB3	17	0.38
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD11	9	0.38
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD12	9	0.38
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD13	9	0.38
(1,1052)	1:400:A:GLU:HG3	1:401:A:GLY:H	4	0.38
(1,1052)	1:400:A:GLU:HG3	1:401:A:GLY:H	7	0.38
(1,1052)	1:400:A:GLU:HG3	1:401:A:GLY:H	10	0.38
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	13	0.38
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	13	0.38
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	13	0.38
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	13	0.38
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	13	0.38
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	13	0.38
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	13	0.38
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	13	0.38
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	13	0.38
(1,1040)	1:421:A:ILE:HD11	1:450:A:PHE:H	12	0.38
(1,1040)	1:421:A:ILE:HD12	1:450:A:PHE:H	12	0.38
(1,1040)	1:421:A:ILE:HD13	1:450:A:PHE:H	12	0.38
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG21	14	0.38
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG22	14	0.38
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG23	14	0.38
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG21	14	0.38
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG22	14	0.38
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG23	14	0.38
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG21	14	0.38
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG22	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG23	14	0.38
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD11	16	0.38
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD12	16	0.38
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD13	16	0.38
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	10	0.38
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	10	0.38
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	10	0.38
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	10	0.38
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	10	0.38
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	10	0.38
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG21	5	0.38
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG22	5	0.38
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG23	5	0.38
(1,949)	1:461:A:ALA:HB1	1:462:A:ALA:HA	18	0.38
(1,949)	1:461:A:ALA:HB2	1:462:A:ALA:HA	18	0.38
(1,949)	1:461:A:ALA:HB3	1:462:A:ALA:HA	18	0.38
(1,949)	1:461:A:ALA:HB1	1:462:A:ALA:HA	20	0.38
(1,949)	1:461:A:ALA:HB2	1:462:A:ALA:HA	20	0.38
(1,949)	1:461:A:ALA:HB3	1:462:A:ALA:HA	20	0.38
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE1	1	0.38
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE2	1	0.38
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE3	1	0.38
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE1	1	0.38
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE2	1	0.38
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE3	1	0.38
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE1	1	0.38
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE2	1	0.38
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE3	1	0.38
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE1	5	0.38
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE2	5	0.38
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE3	5	0.38
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE1	5	0.38
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE2	5	0.38
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE3	5	0.38
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE1	5	0.38
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE2	5	0.38
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE3	5	0.38
(1,925)	1:455:A:ASN:HB3	1:456:A:PRO:HD3	4	0.38
(1,922)	1:455:A:ASN:HB3	1:458:A:SER:H	5	0.38
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB2	11	0.38
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB3	11	0.38
(1,877)	1:408:A:PHE:HB2	1:479:A:GLN:H	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,877)	1:408:A:PHE:HB3	1:479:A:GLN:H	7	0.38
(1,874)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	8	0.38
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD2	17	0.38
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD3	17	0.38
(1,860)	1:409:A:ILE:HG21	1:450:A:PHE:H	17	0.38
(1,860)	1:409:A:ILE:HG22	1:450:A:PHE:H	17	0.38
(1,860)	1:409:A:ILE:HG23	1:450:A:PHE:H	17	0.38
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB1	14	0.38
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB2	14	0.38
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB3	14	0.38
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB1	16	0.38
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB2	16	0.38
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB3	16	0.38
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	9	0.38
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	9	0.38
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	9	0.38
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	9	0.38
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	9	0.38
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	9	0.38
(1,831)	1:450:A:PHE:HB3	1:451:A:VAL:HB	10	0.38
(1,828)	1:401:A:GLY:HA2	1:402:A:PRO:HG3	6	0.38
(1,828)	1:401:A:GLY:HA2	1:402:A:PRO:HG3	20	0.38
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	3	0.38
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	3	0.38
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	3	0.38
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	3	0.38
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	3	0.38
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	3	0.38
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	3	0.38
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	3	0.38
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	3	0.38
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	10	0.38
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	10	0.38
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	10	0.38
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	10	0.38
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	10	0.38
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	10	0.38
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	14	0.38
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	14	0.38
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	14	0.38
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	14	0.38
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	14	0.38
(1,770)	1:457:A:VAL:HG11	1:458:A:SER:HB3	2	0.38
(1,770)	1:457:A:VAL:HG12	1:458:A:SER:HB3	2	0.38
(1,770)	1:457:A:VAL:HG13	1:458:A:SER:HB3	2	0.38
(1,770)	1:457:A:VAL:HG21	1:458:A:SER:HB3	2	0.38
(1,770)	1:457:A:VAL:HG22	1:458:A:SER:HB3	2	0.38
(1,770)	1:457:A:VAL:HG23	1:458:A:SER:HB3	2	0.38
(1,752)	1:436:A:VAL:HG21	1:437:A:PHE:H	7	0.38
(1,752)	1:436:A:VAL:HG22	1:437:A:PHE:H	7	0.38
(1,752)	1:436:A:VAL:HG23	1:437:A:PHE:H	7	0.38
(1,752)	1:436:A:VAL:HG21	1:437:A:PHE:H	8	0.38
(1,752)	1:436:A:VAL:HG22	1:437:A:PHE:H	8	0.38
(1,752)	1:436:A:VAL:HG23	1:437:A:PHE:H	8	0.38
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	1	0.38
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	1	0.38
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	10	0.38
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	10	0.38
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	14	0.38
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	14	0.38
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	14	0.38
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG21	20	0.38
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG22	20	0.38
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG23	20	0.38
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG21	17	0.38
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG22	17	0.38
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG23	17	0.38
(1,670)	1:480:A:LEU:H	1:480:A:LEU:HG	7	0.38
(1,664)	1:471:A:ILE:HG21	1:474:A:LYS:HG3	19	0.38
(1,664)	1:471:A:ILE:HG22	1:474:A:LYS:HG3	19	0.38
(1,664)	1:471:A:ILE:HG23	1:474:A:LYS:HG3	19	0.38
(1,658)	1:480:A:LEU:H	1:480:A:LEU:HG	7	0.38
(1,653)	1:474:A:LYS:HG3	1:475:A:ARG:H	4	0.38
(1,643)	1:410:A:TYR:HB2	1:412:A:LEU:HG	18	0.38
(1,634)	1:469:A:PHE:HE1	1:476:A:LEU:HG	2	0.38
(1,634)	1:469:A:PHE:HE2	1:476:A:LEU:HG	2	0.38
(1,634)	1:469:A:PHE:HE1	1:476:A:LEU:HG	13	0.38
(1,634)	1:469:A:PHE:HE2	1:476:A:LEU:HG	13	0.38
(1,629)	1:402:A:PRO:HD3	1:403:A:GLU:HB2	1	0.38
(1,629)	1:402:A:PRO:HD3	1:403:A:GLU:HB2	14	0.38
(1,629)	1:402:A:PRO:HD3	1:403:A:GLU:HB2	18	0.38
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG21	8	0.38
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG22	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG23	8	0.38
(1,615)	1:407:A:LEU:HG	1:462:A:ALA:H	2	0.38
(1,615)	1:407:A:LEU:HG	1:462:A:ALA:H	10	0.38
(1,609)	1:409:A:ILE:HA	1:411:A:HIS:HB2	17	0.38
(1,602)	1:428:A:PHE:HB3	1:429:A:GLY:H	8	0.38
(1,593)	1:421:A:ILE:HD11	1:449:A:GLY:H	12	0.38
(1,593)	1:421:A:ILE:HD12	1:449:A:GLY:H	12	0.38
(1,593)	1:421:A:ILE:HD13	1:449:A:GLY:H	12	0.38
(1,587)	1:449:A:GLY:H	1:450:A:PHE:H	15	0.38
(1,573)	1:463:A:ILE:HA	1:466:A:MET:H	15	0.38
(1,541)	1:454:A:ASP:H	1:458:A:SER:HB3	2	0.38
(1,539)	1:453:A:TYR:HB2	1:454:A:ASP:H	9	0.38
(1,537)	1:430:A:ASN:HA	1:454:A:ASP:H	9	0.38
(1,520)	1:433:A:SER:H	1:453:A:TYR:HA	13	0.38
(1,501)	1:467:A:ASN:H	1:467:A:ASN:HD21	12	0.38
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB1	13	0.38
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB2	13	0.38
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB3	13	0.38
(1,481)	1:406:A:ASN:H	1:407:A:LEU:H	5	0.38
(1,456)	1:457:A:VAL:HA	1:460:A:GLN:H	6	0.38
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG21	2	0.38
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG22	2	0.38
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG23	2	0.38
(1,425)	1:438:A:ILE:HB	1:443:A:ASN:H	7	0.38
(1,405)	1:471:A:ILE:HG12	1:472:A:GLY:H	20	0.38
(1,405)	1:471:A:ILE:HG13	1:472:A:GLY:H	20	0.38
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB1	3	0.38
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB2	3	0.38
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB3	3	0.38
(1,366)	1:467:A:ASN:HB3	1:468:A:GLY:H	4	0.38
(1,366)	1:467:A:ASN:HB3	1:468:A:GLY:H	14	0.38
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG21	17	0.38
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG22	17	0.38
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG23	17	0.38
(1,344)	1:467:A:ASN:H	1:468:A:GLY:H	1	0.38
(1,338)	1:408:A:PHE:H	1:409:A:ILE:H	13	0.38
(1,307)	1:474:A:LYS:H	1:475:A:ARG:H	4	0.38
(1,307)	1:474:A:LYS:H	1:475:A:ARG:H	11	0.38
(1,307)	1:474:A:LYS:H	1:475:A:ARG:H	14	0.38
(1,307)	1:474:A:LYS:H	1:475:A:ARG:H	15	0.38
(1,307)	1:474:A:LYS:H	1:475:A:ARG:H	18	0.38
(1,307)	1:474:A:LYS:H	1:475:A:ARG:H	20	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,296)	1:450:A:PHE:H	1:451:A:VAL:H	4	0.38
(1,296)	1:450:A:PHE:H	1:451:A:VAL:H	11	0.38
(1,296)	1:450:A:PHE:H	1:451:A:VAL:H	14	0.38
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG11	9	0.38
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG12	9	0.38
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG13	9	0.38
(1,289)	1:435:A:LYS:HB2	1:450:A:PHE:H	7	0.38
(1,289)	1:435:A:LYS:HB3	1:450:A:PHE:H	7	0.38
(1,286)	1:435:A:LYS:H	1:450:A:PHE:H	16	0.38
(1,285)	1:449:A:GLY:H	1:450:A:PHE:H	15	0.38
(1,283)	1:407:A:LEU:HG	1:459:A:ALA:H	9	0.38
(1,271)	1:456:A:PRO:HD2	1:457:A:VAL:H	1	0.38
(1,271)	1:456:A:PRO:HD2	1:457:A:VAL:H	10	0.38
(1,271)	1:456:A:PRO:HD2	1:457:A:VAL:H	13	0.38
(1,260)	1:408:A:PHE:H	1:409:A:ILE:H	13	0.38
(1,245)	1:453:A:TYR:H	1:454:A:ASP:H	12	0.38
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD11	20	0.38
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD12	20	0.38
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD13	20	0.38
(1,221)	1:407:A:LEU:HG	1:462:A:ALA:H	2	0.38
(1,221)	1:407:A:LEU:HG	1:462:A:ALA:H	10	0.38
(1,207)	1:417:A:GLY:H	1:418:A:ASP:H	18	0.38
(1,205)	1:415:A:GLU:HG2	1:416:A:PHE:H	1	0.38
(1,205)	1:415:A:GLU:HG3	1:416:A:PHE:H	1	0.38
(1,205)	1:415:A:GLU:HG2	1:416:A:PHE:H	4	0.38
(1,205)	1:415:A:GLU:HG3	1:416:A:PHE:H	4	0.38
(1,181)	1:418:A:ASP:HB2	1:422:A:LEU:H	11	0.38
(1,167)	1:480:A:LEU:H	1:480:A:LEU:HG	7	0.38
(1,155)	1:407:A:LEU:H	1:408:A:PHE:HB2	5	0.38
(1,155)	1:407:A:LEU:H	1:408:A:PHE:HB2	7	0.38
(1,152)	1:406:A:ASN:H	1:407:A:LEU:H	5	0.38
(1,150)	1:407:A:LEU:H	1:409:A:ILE:H	2	0.38
(1,139)	1:409:A:ILE:H	1:410:A:TYR:H	8	0.38
(1,139)	1:409:A:ILE:H	1:410:A:TYR:H	15	0.38
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB2	19	0.38
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB3	19	0.38
(1,128)	1:467:A:ASN:HA	1:469:A:PHE:H	16	0.38
(1,105)	1:408:A:PHE:HB3	1:479:A:GLN:H	1	0.38
(1,94)	1:451:A:VAL:H	1:452:A:SER:H	14	0.38
(1,84)	1:406:A:ASN:H	1:481:A:LYS:H	10	0.38
(1,79)	1:433:A:SER:H	1:434:A:ALA:H	5	0.38
(1,79)	1:433:A:SER:H	1:434:A:ALA:H	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,60)	1:436:A:VAL:HG21	1:437:A:PHE:H	7	0.38
(1,60)	1:436:A:VAL:HG22	1:437:A:PHE:H	7	0.38
(1,60)	1:436:A:VAL:HG23	1:437:A:PHE:H	7	0.38
(1,60)	1:436:A:VAL:HG21	1:437:A:PHE:H	8	0.38
(1,60)	1:436:A:VAL:HG22	1:437:A:PHE:H	8	0.38
(1,60)	1:436:A:VAL:HG23	1:437:A:PHE:H	8	0.38
(1,54)	1:470:A:GLN:H	1:471:A:ILE:H	13	0.38
(1,29)	1:439:A:ASP:HB3	1:440:A:LYS:H	5	0.38
(1,24)	1:426:A:MET:H	1:431:A:VAL:HA	15	0.38
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD11	9	0.38
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD12	9	0.38
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD13	9	0.38
(1,5)	1:469:A:PHE:HB2	1:470:A:GLN:H	11	0.38
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD1	3	0.37
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD2	3	0.37
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD1	3	0.37
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD2	3	0.37
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD1	3	0.37
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD2	3	0.37
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD1	3	0.37
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD2	3	0.37
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD1	3	0.37
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD2	3	0.37
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD1	3	0.37
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD2	3	0.37
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE1	4	0.37
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE2	4	0.37
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD1	13	0.37
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD2	13	0.37
(1,1526)	1:422:A:LEU:HB3	1:423:A:GLN:HB2	6	0.37
(1,1526)	1:422:A:LEU:HB3	1:423:A:GLN:HB3	6	0.37
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG21	15	0.37
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG22	15	0.37
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG23	15	0.37
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG21	19	0.37
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG22	19	0.37
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG23	19	0.37
(1,1492)	1:461:A:ALA:HB1	1:462:A:ALA:HA	2	0.37
(1,1492)	1:461:A:ALA:HB2	1:462:A:ALA:HA	2	0.37
(1,1492)	1:461:A:ALA:HB3	1:462:A:ALA:HA	2	0.37
(1,1491)	1:407:A:LEU:HD11	1:459:A:ALA:HA	9	0.37
(1,1491)	1:407:A:LEU:HD12	1:459:A:ALA:HA	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1491)	1:407:A:LEU:HD13	1:459:A:ALA:HA	9	0.37
(1,1491)	1:407:A:LEU:HD21	1:459:A:ALA:HA	9	0.37
(1,1491)	1:407:A:LEU:HD22	1:459:A:ALA:HA	9	0.37
(1,1491)	1:407:A:LEU:HD23	1:459:A:ALA:HA	9	0.37
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG21	12	0.37
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG22	12	0.37
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG23	12	0.37
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG21	12	0.37
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG22	12	0.37
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG23	12	0.37
(1,1468)	1:484:A:LYS:HA	1:485:A:ASN:HA	11	0.37
(1,1452)	1:432:A:ILE:HG21	1:433:A:SER:HA	15	0.37
(1,1452)	1:432:A:ILE:HG22	1:433:A:SER:HA	15	0.37
(1,1452)	1:432:A:ILE:HG23	1:433:A:SER:HA	15	0.37
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD11	2	0.37
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD12	2	0.37
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD13	2	0.37
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD11	2	0.37
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD12	2	0.37
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD13	2	0.37
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD11	2	0.37
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD12	2	0.37
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD13	2	0.37
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD11	2	0.37
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD12	2	0.37
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD13	2	0.37
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD11	2	0.37
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD12	2	0.37
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD13	2	0.37
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD11	2	0.37
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD12	2	0.37
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD13	2	0.37
(1,1387)	1:409:A:ILE:HB	1:449:A:GLY:HA3	9	0.37
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB1	2	0.37
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB2	2	0.37
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB3	2	0.37
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB1	2	0.37
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB2	2	0.37
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB3	2	0.37
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB1	2	0.37
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB2	2	0.37
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB3	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB1	8	0.37
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB2	8	0.37
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB3	8	0.37
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB1	8	0.37
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB2	8	0.37
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB3	8	0.37
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB1	8	0.37
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB2	8	0.37
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB3	8	0.37
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB1	4	0.37
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB2	4	0.37
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB3	4	0.37
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB1	4	0.37
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB2	4	0.37
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB3	4	0.37
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	13	0.37
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	13	0.37
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	13	0.37
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG11	7	0.37
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG12	7	0.37
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG13	7	0.37
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG11	7	0.37
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG12	7	0.37
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG13	7	0.37
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	13	0.37
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	13	0.37
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	13	0.37
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	20	0.37
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	20	0.37
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	20	0.37
(1,1248)	1:404:A:GLY:HA3	1:480:A:LEU:HG	5	0.37
(1,1247)	1:412:A:LEU:HG	1:421:A:ILE:HG13	16	0.37
(1,1227)	1:412:A:LEU:HG	1:413:A:PRO:HG2	5	0.37
(1,1227)	1:412:A:LEU:HG	1:413:A:PRO:HG2	10	0.37
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	1	0.37
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	1	0.37
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	1	0.37
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	1	0.37
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	1	0.37
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	1	0.37
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	13	0.37
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	13	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	13	0.37
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	13	0.37
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	13	0.37
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	13	0.37
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	16	0.37
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	16	0.37
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	16	0.37
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	16	0.37
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	16	0.37
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	16	0.37
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	17	0.37
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	17	0.37
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	17	0.37
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	17	0.37
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	17	0.37
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	17	0.37
(1,1164)	1:407:A:LEU:HD11	1:459:A:ALA:HA	9	0.37
(1,1164)	1:407:A:LEU:HD12	1:459:A:ALA:HA	9	0.37
(1,1164)	1:407:A:LEU:HD13	1:459:A:ALA:HA	9	0.37
(1,1164)	1:407:A:LEU:HD21	1:459:A:ALA:HA	9	0.37
(1,1164)	1:407:A:LEU:HD22	1:459:A:ALA:HA	9	0.37
(1,1164)	1:407:A:LEU:HD23	1:459:A:ALA:HA	9	0.37
(1,1159)	1:459:A:ALA:HA	1:461:A:ALA:HA	2	0.37
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG2	15	0.37
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG3	15	0.37
(1,1127)	1:467:A:ASN:HA	1:469:A:PHE:H	10	0.37
(1,1127)	1:467:A:ASN:HA	1:469:A:PHE:H	14	0.37
(1,1092)	1:445:A:SER:HA	1:488:A:LYS:HA	8	0.37
(1,1082)	1:422:A:LEU:HA	1:425:A:PHE:HB2	8	0.37
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD11	18	0.37
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD12	18	0.37
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD13	18	0.37
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD11	20	0.37
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD12	20	0.37
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD13	20	0.37
(1,1052)	1:400:A:GLU:HG3	1:401:A:GLY:H	18	0.37
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD11	7	0.37
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD12	7	0.37
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD13	7	0.37
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD11	13	0.37
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD12	13	0.37
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD13	13	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	11	0.37
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	11	0.37
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	11	0.37
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	11	0.37
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	11	0.37
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	11	0.37
(1,987)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	17	0.37
(1,987)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	17	0.37
(1,985)	1:416:A:PHE:HB3	1:417:A:GLY:H	11	0.37
(1,976)	1:438:A:ILE:HG21	1:443:A:ASN:H	4	0.37
(1,976)	1:438:A:ILE:HG22	1:443:A:ASN:H	4	0.37
(1,976)	1:438:A:ILE:HG23	1:443:A:ASN:H	4	0.37
(1,965)	1:438:A:ILE:HB	1:439:A:ASP:H	20	0.37
(1,949)	1:461:A:ALA:HB1	1:462:A:ALA:HA	2	0.37
(1,949)	1:461:A:ALA:HB2	1:462:A:ALA:HA	2	0.37
(1,949)	1:461:A:ALA:HB3	1:462:A:ALA:HA	2	0.37
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG11	8	0.37
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG12	8	0.37
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG13	8	0.37
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG11	8	0.37
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG12	8	0.37
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG13	8	0.37
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG11	8	0.37
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG12	8	0.37
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG13	8	0.37
(1,922)	1:455:A:ASN:HB3	1:458:A:SER:H	6	0.37
(1,922)	1:455:A:ASN:HB3	1:458:A:SER:H	10	0.37
(1,922)	1:455:A:ASN:HB3	1:458:A:SER:H	17	0.37
(1,911)	1:435:A:LYS:HE2	1:436:A:VAL:H	15	0.37
(1,911)	1:435:A:LYS:HE3	1:436:A:VAL:H	15	0.37
(1,889)	1:439:A:ASP:HB2	1:444:A:LEU:HB3	9	0.37
(1,889)	1:439:A:ASP:HB2	1:444:A:LEU:HB3	18	0.37
(1,877)	1:408:A:PHE:HB2	1:479:A:GLN:H	11	0.37
(1,877)	1:408:A:PHE:HB3	1:479:A:GLN:H	11	0.37
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB1	4	0.37
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB2	4	0.37
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB3	4	0.37
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB1	5	0.37
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB2	5	0.37
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB3	5	0.37
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	9	0.37
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	9	0.37
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	9	0.37
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	9	0.37
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	9	0.37
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	9	0.37
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	9	0.37
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	9	0.37
(1,831)	1:450:A:PHE:HB3	1:451:A:VAL:HB	1	0.37
(1,828)	1:401:A:GLY:HA2	1:402:A:PRO:HG3	5	0.37
(1,828)	1:401:A:GLY:HA2	1:402:A:PRO:HG3	11	0.37
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB1	19	0.37
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB2	19	0.37
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB3	19	0.37
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB1	16	0.37
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB2	16	0.37
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB3	16	0.37
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB2	2	0.37
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB3	2	0.37
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB2	2	0.37
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB3	2	0.37
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB2	2	0.37
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB3	2	0.37
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB2	3	0.37
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB3	3	0.37
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB2	3	0.37
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB3	3	0.37
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB2	3	0.37
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB3	3	0.37
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	1	0.37
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	1	0.37
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	1	0.37
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	1	0.37
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	1	0.37
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	1	0.37
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	13	0.37
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	13	0.37
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	13	0.37
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	13	0.37
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	13	0.37
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	13	0.37
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	16	0.37
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	16	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	16	0.37
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	16	0.37
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	16	0.37
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	16	0.37
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	17	0.37
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	17	0.37
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	17	0.37
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	17	0.37
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	17	0.37
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	17	0.37
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB1	3	0.37
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB2	3	0.37
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB3	3	0.37
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB1	3	0.37
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB2	3	0.37
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB3	3	0.37
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB1	3	0.37
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB2	3	0.37
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB3	3	0.37
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB2	14	0.37
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB3	14	0.37
(1,763)	1:457:A:VAL:HG11	1:459:A:ALA:H	20	0.37
(1,763)	1:457:A:VAL:HG12	1:459:A:ALA:H	20	0.37
(1,763)	1:457:A:VAL:HG13	1:459:A:ALA:H	20	0.37
(1,763)	1:457:A:VAL:HG21	1:459:A:ALA:H	20	0.37
(1,763)	1:457:A:VAL:HG22	1:459:A:ALA:H	20	0.37
(1,763)	1:457:A:VAL:HG23	1:459:A:ALA:H	20	0.37
(1,759)	1:403:A:GLU:HA	1:404:A:GLY:HA3	16	0.37
(1,750)	1:436:A:VAL:HG21	1:450:A:PHE:H	12	0.37
(1,750)	1:436:A:VAL:HG22	1:450:A:PHE:H	12	0.37
(1,750)	1:436:A:VAL:HG23	1:450:A:PHE:H	12	0.37
(1,736)	1:426:A:MET:H	1:431:A:VAL:HG11	9	0.37
(1,736)	1:426:A:MET:H	1:431:A:VAL:HG12	9	0.37
(1,736)	1:426:A:MET:H	1:431:A:VAL:HG13	9	0.37
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD11	15	0.37
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD12	15	0.37
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD13	15	0.37
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD21	15	0.37
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD22	15	0.37
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD23	15	0.37
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG21	15	0.37
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG22	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG23	15	0.37
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD11	15	0.37
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD12	15	0.37
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD13	15	0.37
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD21	15	0.37
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD22	15	0.37
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD23	15	0.37
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG2	18	0.37
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG3	18	0.37
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG2	18	0.37
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG3	18	0.37
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG2	18	0.37
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG3	18	0.37
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG2	18	0.37
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG3	18	0.37
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG2	18	0.37
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG3	18	0.37
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG2	18	0.37
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG3	18	0.37
(1,691)	1:480:A:LEU:HD11	1:481:A:LYS:HB3	1	0.37
(1,691)	1:480:A:LEU:HD12	1:481:A:LYS:HB3	1	0.37
(1,691)	1:480:A:LEU:HD13	1:481:A:LYS:HB3	1	0.37
(1,691)	1:480:A:LEU:HD21	1:481:A:LYS:HB3	1	0.37
(1,691)	1:480:A:LEU:HD22	1:481:A:LYS:HB3	1	0.37
(1,691)	1:480:A:LEU:HD23	1:481:A:LYS:HB3	1	0.37
(1,684)	1:399:A:LYS:HG2	1:400:A:GLU:H	7	0.37
(1,684)	1:399:A:LYS:HG3	1:400:A:GLU:H	7	0.37
(1,684)	1:399:A:LYS:HG2	1:400:A:GLU:H	9	0.37
(1,684)	1:399:A:LYS:HG3	1:400:A:GLU:H	9	0.37
(1,634)	1:469:A:PHE:HE1	1:476:A:LEU:HG	10	0.37
(1,634)	1:469:A:PHE:HE2	1:476:A:LEU:HG	10	0.37
(1,629)	1:402:A:PRO:HD3	1:403:A:GLU:HB2	10	0.37
(1,628)	1:402:A:PRO:HD3	1:405:A:ALA:H	19	0.37
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG11	20	0.37
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG12	20	0.37
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG13	20	0.37
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG21	20	0.37
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG22	20	0.37
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG23	20	0.37
(1,612)	1:407:A:LEU:HG	1:451:A:VAL:H	17	0.37
(1,609)	1:409:A:ILE:HA	1:411:A:HIS:HB2	4	0.37
(1,609)	1:409:A:ILE:HA	1:411:A:HIS:HB2	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,607)	1:427:A:PRO:HG2	1:429:A:GLY:H	11	0.37
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG11	1	0.37
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG12	1	0.37
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG13	1	0.37
(1,602)	1:428:A:PHE:HB3	1:429:A:GLY:H	13	0.37
(1,598)	1:429:A:GLY:H	1:430:A:ASN:H	7	0.37
(1,597)	1:441:A:GLN:HB3	1:442:A:THR:H	14	0.37
(1,592)	1:409:A:ILE:HG21	1:449:A:GLY:H	17	0.37
(1,592)	1:409:A:ILE:HG22	1:449:A:GLY:H	17	0.37
(1,592)	1:409:A:ILE:HG23	1:449:A:GLY:H	17	0.37
(1,587)	1:449:A:GLY:H	1:450:A:PHE:H	19	0.37
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG21	1	0.37
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG22	1	0.37
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG23	1	0.37
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG21	5	0.37
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG22	5	0.37
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG23	5	0.37
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG21	12	0.37
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG22	12	0.37
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG23	12	0.37
(1,525)	1:433:A:SER:H	1:451:A:VAL:HG11	19	0.37
(1,525)	1:433:A:SER:H	1:451:A:VAL:HG12	19	0.37
(1,525)	1:433:A:SER:H	1:451:A:VAL:HG13	19	0.37
(1,520)	1:433:A:SER:H	1:453:A:TYR:HA	11	0.37
(1,508)	1:453:A:TYR:HD1	1:455:A:ASN:H	20	0.37
(1,508)	1:453:A:TYR:HD2	1:455:A:ASN:H	20	0.37
(1,504)	1:409:A:ILE:HA	1:412:A:LEU:H	5	0.37
(1,504)	1:409:A:ILE:HA	1:412:A:LEU:H	8	0.37
(1,504)	1:409:A:ILE:HA	1:412:A:LEU:H	11	0.37
(1,488)	1:406:A:ASN:H	1:407:A:LEU:HB3	12	0.37
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB1	12	0.37
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB2	12	0.37
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB3	12	0.37
(1,468)	1:421:A:ILE:HG21	1:423:A:GLN:H	5	0.37
(1,468)	1:421:A:ILE:HG22	1:423:A:GLN:H	5	0.37
(1,468)	1:421:A:ILE:HG23	1:423:A:GLN:H	5	0.37
(1,468)	1:421:A:ILE:HG21	1:423:A:GLN:H	13	0.37
(1,468)	1:421:A:ILE:HG22	1:423:A:GLN:H	13	0.37
(1,468)	1:421:A:ILE:HG23	1:423:A:GLN:H	13	0.37
(1,466)	1:422:A:LEU:HB2	1:423:A:GLN:H	17	0.37
(1,451)	1:460:A:GLN:H	1:480:A:LEU:HG	2	0.37
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD11	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD12	7	0.37
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD13	7	0.37
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD21	7	0.37
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD22	7	0.37
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD23	7	0.37
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD11	9	0.37
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD12	9	0.37
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD13	9	0.37
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD21	9	0.37
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD22	9	0.37
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD23	9	0.37
(1,412)	1:441:A:GLN:H	1:443:A:ASN:H	8	0.37
(1,369)	1:482:A:ARG:HB3	1:483:A:SER:H	5	0.37
(1,344)	1:467:A:ASN:H	1:468:A:GLY:H	20	0.37
(1,340)	1:465:A:ALA:H	1:467:A:ASN:H	16	0.37
(1,338)	1:408:A:PHE:H	1:409:A:ILE:H	4	0.37
(1,338)	1:408:A:PHE:H	1:409:A:ILE:H	14	0.37
(1,338)	1:408:A:PHE:H	1:409:A:ILE:H	16	0.37
(1,317)	1:473:A:MET:HB3	1:474:A:LYS:H	4	0.37
(1,307)	1:474:A:LYS:H	1:475:A:ARG:H	13	0.37
(1,307)	1:474:A:LYS:H	1:475:A:ARG:H	19	0.37
(1,306)	1:475:A:ARG:H	1:476:A:LEU:H	5	0.37
(1,306)	1:475:A:ARG:H	1:476:A:LEU:H	18	0.37
(1,285)	1:449:A:GLY:H	1:450:A:PHE:H	19	0.37
(1,271)	1:456:A:PRO:HD2	1:457:A:VAL:H	4	0.37
(1,260)	1:408:A:PHE:H	1:409:A:ILE:H	4	0.37
(1,260)	1:408:A:PHE:H	1:409:A:ILE:H	14	0.37
(1,260)	1:408:A:PHE:H	1:409:A:ILE:H	16	0.37
(1,258)	1:435:A:LYS:H	1:436:A:VAL:H	19	0.37
(1,252)	1:402:A:PRO:HD2	1:453:A:TYR:H	15	0.37
(1,245)	1:453:A:TYR:H	1:454:A:ASP:H	14	0.37
(1,245)	1:453:A:TYR:H	1:454:A:ASP:H	16	0.37
(1,242)	1:399:A:LYS:HG2	1:400:A:GLU:H	7	0.37
(1,242)	1:399:A:LYS:HG3	1:400:A:GLU:H	7	0.37
(1,242)	1:399:A:LYS:HG2	1:400:A:GLU:H	9	0.37
(1,242)	1:399:A:LYS:HG3	1:400:A:GLU:H	9	0.37
(1,227)	1:418:A:ASP:H	1:436:A:VAL:HB	11	0.37
(1,227)	1:418:A:ASP:H	1:436:A:VAL:HB	19	0.37
(1,212)	1:462:A:ALA:H	1:464:A:GLN:H	3	0.37
(1,207)	1:417:A:GLY:H	1:418:A:ASP:H	3	0.37
(1,205)	1:415:A:GLU:HG2	1:416:A:PHE:H	3	0.37
(1,205)	1:415:A:GLU:HG3	1:416:A:PHE:H	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:479:A:GLN:H	1:480:A:LEU:H	2	0.37
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD2	17	0.37
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD3	17	0.37
(1,155)	1:407:A:LEU:H	1:408:A:PHE:HB2	20	0.37
(1,144)	1:410:A:TYR:H	1:477:A:LYS:HB2	12	0.37
(1,144)	1:410:A:TYR:H	1:477:A:LYS:HB3	12	0.37
(1,139)	1:409:A:ILE:H	1:410:A:TYR:H	3	0.37
(1,138)	1:410:A:TYR:H	1:411:A:HIS:H	9	0.37
(1,128)	1:467:A:ASN:HA	1:469:A:PHE:H	10	0.37
(1,128)	1:467:A:ASN:HA	1:469:A:PHE:H	14	0.37
(1,101)	1:450:A:PHE:HB3	1:451:A:VAL:H	13	0.37
(1,79)	1:433:A:SER:H	1:434:A:ALA:H	1	0.37
(1,79)	1:433:A:SER:H	1:434:A:ALA:H	12	0.37
(1,76)	1:445:A:SER:H	1:446:A:LYS:H	9	0.37
(1,76)	1:445:A:SER:H	1:446:A:LYS:H	14	0.37
(1,76)	1:445:A:SER:H	1:446:A:LYS:H	17	0.37
(1,71)	1:414:A:GLN:H	1:414:A:GLN:HG3	10	0.37
(1,54)	1:470:A:GLN:H	1:471:A:ILE:H	16	0.37
(1,48)	1:438:A:ILE:HB	1:439:A:ASP:H	20	0.37
(1,43)	1:438:A:ILE:H	1:439:A:ASP:H	11	0.37
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD11	18	0.37
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD12	18	0.37
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD13	18	0.37
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD11	20	0.37
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD12	20	0.37
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD13	20	0.37
(1,4)	1:469:A:PHE:HB3	1:470:A:GLN:H	1	0.37
(1,1601)	1:407:A:LEU:HG	1:453:A:TYR:HE1	19	0.36
(1,1601)	1:407:A:LEU:HG	1:453:A:TYR:HE2	19	0.36
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB1	17	0.36
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB2	17	0.36
(1,1599)	1:453:A:TYR:HE1	1:462:A:ALA:HB3	17	0.36
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB1	17	0.36
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB2	17	0.36
(1,1599)	1:453:A:TYR:HE2	1:462:A:ALA:HB3	17	0.36
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD1	1	0.36
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD2	1	0.36
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	1	0.36
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	1	0.36
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	1	0.36
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	1	0.36
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	1	0.36
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	9	0.36
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	9	0.36
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	11	0.36
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	11	0.36
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	13	0.36
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	13	0.36
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	16	0.36
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	16	0.36
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	18	0.36
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	18	0.36
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	18	0.36
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	18	0.36
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	18	0.36
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	18	0.36
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD1	5	0.36
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD2	5	0.36
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD1	9	0.36
(1,1547)	1:453:A:TYR:H	1:453:A:TYR:HD2	9	0.36
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	15	0.36
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	15	0.36
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	15	0.36
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	15	0.36
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	15	0.36
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	15	0.36
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	10	0.36
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	10	0.36
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	10	0.36
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	10	0.36
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG21	7	0.36
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG22	7	0.36
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG23	7	0.36
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG21	11	0.36
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG22	11	0.36
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG23	11	0.36
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG21	13	0.36
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG22	13	0.36
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG23	13	0.36
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD2	18	0.36
(1,1510)	1:399:A:LYS:HA	1:399:A:LYS:HD3	18	0.36
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG21	16	0.36
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG22	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG23	16	0.36
(1,1506)	1:426:A:MET:HE1	1:430:A:ASN:HA	8	0.36
(1,1506)	1:426:A:MET:HE2	1:430:A:ASN:HA	8	0.36
(1,1506)	1:426:A:MET:HE3	1:430:A:ASN:HA	8	0.36
(1,1506)	1:426:A:MET:HE1	1:430:A:ASN:HA	17	0.36
(1,1506)	1:426:A:MET:HE2	1:430:A:ASN:HA	17	0.36
(1,1506)	1:426:A:MET:HE3	1:430:A:ASN:HA	17	0.36
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG11	11	0.36
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG12	11	0.36
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG13	11	0.36
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB2	9	0.36
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB3	9	0.36
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD2	18	0.36
(1,1481)	1:399:A:LYS:HA	1:399:A:LYS:HD3	18	0.36
(1,1464)	1:431:A:VAL:HA	1:453:A:TYR:HA	10	0.36
(1,1453)	1:433:A:SER:HA	1:434:A:ALA:HA	11	0.36
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD11	17	0.36
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD12	17	0.36
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD13	17	0.36
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB1	19	0.36
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB2	19	0.36
(1,1386)	1:451:A:VAL:HG21	1:459:A:ALA:HB3	19	0.36
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB1	19	0.36
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB2	19	0.36
(1,1386)	1:451:A:VAL:HG22	1:459:A:ALA:HB3	19	0.36
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB1	19	0.36
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB2	19	0.36
(1,1386)	1:451:A:VAL:HG23	1:459:A:ALA:HB3	19	0.36
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE2	17	0.36
(1,1368)	1:481:A:LYS:HE2	1:484:A:LYS:HE3	17	0.36
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE2	17	0.36
(1,1368)	1:481:A:LYS:HE3	1:484:A:LYS:HE3	17	0.36
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB1	18	0.36
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB2	18	0.36
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB3	18	0.36
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB1	18	0.36
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB2	18	0.36
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB3	18	0.36
(1,1352)	1:412:A:LEU:HG	1:417:A:GLY:HA3	15	0.36
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	18	0.36
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	18	0.36
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	18	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	18	0.36
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	18	0.36
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	18	0.36
(1,1302)	1:476:A:LEU:HD11	1:478:A:VAL:HG11	17	0.36
(1,1302)	1:476:A:LEU:HD11	1:478:A:VAL:HG12	17	0.36
(1,1302)	1:476:A:LEU:HD11	1:478:A:VAL:HG13	17	0.36
(1,1302)	1:476:A:LEU:HD12	1:478:A:VAL:HG11	17	0.36
(1,1302)	1:476:A:LEU:HD12	1:478:A:VAL:HG12	17	0.36
(1,1302)	1:476:A:LEU:HD12	1:478:A:VAL:HG13	17	0.36
(1,1302)	1:476:A:LEU:HD13	1:478:A:VAL:HG11	17	0.36
(1,1302)	1:476:A:LEU:HD13	1:478:A:VAL:HG12	17	0.36
(1,1302)	1:476:A:LEU:HD13	1:478:A:VAL:HG13	17	0.36
(1,1302)	1:476:A:LEU:HD21	1:478:A:VAL:HG11	17	0.36
(1,1302)	1:476:A:LEU:HD21	1:478:A:VAL:HG12	17	0.36
(1,1302)	1:476:A:LEU:HD21	1:478:A:VAL:HG13	17	0.36
(1,1302)	1:476:A:LEU:HD22	1:478:A:VAL:HG11	17	0.36
(1,1302)	1:476:A:LEU:HD22	1:478:A:VAL:HG12	17	0.36
(1,1302)	1:476:A:LEU:HD22	1:478:A:VAL:HG13	17	0.36
(1,1302)	1:476:A:LEU:HD23	1:478:A:VAL:HG11	17	0.36
(1,1302)	1:476:A:LEU:HD23	1:478:A:VAL:HG12	17	0.36
(1,1302)	1:476:A:LEU:HD23	1:478:A:VAL:HG13	17	0.36
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	2	0.36
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	2	0.36
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	2	0.36
(1,1288)	1:431:A:VAL:HG11	1:453:A:TYR:HE1	14	0.36
(1,1288)	1:431:A:VAL:HG11	1:453:A:TYR:HE2	14	0.36
(1,1288)	1:431:A:VAL:HG12	1:453:A:TYR:HE1	14	0.36
(1,1288)	1:431:A:VAL:HG12	1:453:A:TYR:HE2	14	0.36
(1,1288)	1:431:A:VAL:HG13	1:453:A:TYR:HE1	14	0.36
(1,1288)	1:431:A:VAL:HG13	1:453:A:TYR:HE2	14	0.36
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG2	8	0.36
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG3	8	0.36
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG2	8	0.36
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG3	8	0.36
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG2	8	0.36
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG3	8	0.36
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG2	8	0.36
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG3	8	0.36
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG2	8	0.36
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG3	8	0.36
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG2	8	0.36
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG3	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1232)	1:419:A:GLN:HB3	1:420:A:ASP:H	3	0.36
(1,1230)	1:402:A:PRO:HG2	1:455:A:ASN:HA	2	0.36
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	6	0.36
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	6	0.36
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	6	0.36
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	6	0.36
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	6	0.36
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	6	0.36
(1,1201)	1:398:A:GLN:HB2	1:398:A:GLN:HE22	16	0.36
(1,1201)	1:398:A:GLN:HB3	1:398:A:GLN:HE22	16	0.36
(1,1157)	1:461:A:ALA:HA	1:464:A:GLN:H	7	0.36
(1,1157)	1:461:A:ALA:HA	1:464:A:GLN:H	12	0.36
(1,1127)	1:467:A:ASN:HA	1:469:A:PHE:H	18	0.36
(1,1127)	1:467:A:ASN:HA	1:469:A:PHE:H	20	0.36
(1,1116)	1:432:A:ILE:H	1:453:A:TYR:HA	11	0.36
(1,1097)	1:441:A:GLN:HA	1:444:A:LEU:H	15	0.36
(1,1088)	1:419:A:GLN:HA	1:422:A:LEU:H	2	0.36
(1,1088)	1:419:A:GLN:HA	1:422:A:LEU:H	19	0.36
(1,1052)	1:400:A:GLU:HG3	1:401:A:GLY:H	17	0.36
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	1	0.36
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	1	0.36
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	1	0.36
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	1	0.36
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	1	0.36
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	1	0.36
(1,1012)	1:462:A:ALA:H	1:463:A:ILE:HB	16	0.36
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG21	3	0.36
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG22	3	0.36
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG23	3	0.36
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG21	3	0.36
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG22	3	0.36
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG23	3	0.36
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG21	11	0.36
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG22	11	0.36
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG23	11	0.36
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG21	11	0.36
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG22	11	0.36
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG23	11	0.36
(1,911)	1:435:A:LYS:HE2	1:436:A:VAL:H	10	0.36
(1,911)	1:435:A:LYS:HE3	1:436:A:VAL:H	10	0.36
(1,888)	1:448:A:PHE:HB2	1:449:A:GLY:HA2	9	0.36
(1,888)	1:448:A:PHE:HB3	1:449:A:GLY:HA2	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB2	9	0.36
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB3	9	0.36
(1,877)	1:408:A:PHE:HB2	1:479:A:GLN:H	16	0.36
(1,877)	1:408:A:PHE:HB3	1:479:A:GLN:H	16	0.36
(1,874)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	4	0.36
(1,874)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	9	0.36
(1,874)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	13	0.36
(1,863)	1:417:A:GLY:HA3	1:419:A:GLN:H	19	0.36
(1,850)	1:405:A:ALA:HB1	1:406:A:ASN:HD22	17	0.36
(1,850)	1:405:A:ALA:HB2	1:406:A:ASN:HD22	17	0.36
(1,850)	1:405:A:ALA:HB3	1:406:A:ASN:HD22	17	0.36
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB1	12	0.36
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB2	12	0.36
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB3	12	0.36
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	15	0.36
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	15	0.36
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	15	0.36
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	15	0.36
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	15	0.36
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	15	0.36
(1,831)	1:450:A:PHE:HB3	1:451:A:VAL:HB	2	0.36
(1,828)	1:401:A:GLY:HA2	1:402:A:PRO:HG3	1	0.36
(1,828)	1:401:A:GLY:HA2	1:402:A:PRO:HG3	7	0.36
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	6	0.36
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	6	0.36
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	6	0.36
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	6	0.36
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	6	0.36
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	6	0.36
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG11	3	0.36
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG12	3	0.36
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG13	3	0.36
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	19	0.36
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	19	0.36
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	19	0.36
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	19	0.36
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	19	0.36
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	19	0.36
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG11	1	0.36
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG12	1	0.36
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG13	1	0.36
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	7	0.36
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	7	0.36
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	13	0.36
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	13	0.36
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	13	0.36
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG21	7	0.36
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG22	7	0.36
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG23	7	0.36
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG21	11	0.36
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG22	11	0.36
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG23	11	0.36
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG21	13	0.36
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG22	13	0.36
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG23	13	0.36
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB2	5	0.36
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB3	5	0.36
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB2	8	0.36
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB3	8	0.36
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	7	0.36
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	7	0.36
(1,752)	1:436:A:VAL:HG21	1:437:A:PHE:H	4	0.36
(1,752)	1:436:A:VAL:HG22	1:437:A:PHE:H	4	0.36
(1,752)	1:436:A:VAL:HG23	1:437:A:PHE:H	4	0.36
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG11	11	0.36
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG12	11	0.36
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG13	11	0.36
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD11	10	0.36
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD12	10	0.36
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD13	10	0.36
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD21	10	0.36
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD22	10	0.36
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD23	10	0.36
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG21	4	0.36
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG22	4	0.36
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG23	4	0.36
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD2	16	0.36
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD3	16	0.36
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD2	16	0.36
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD3	16	0.36
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD2	16	0.36
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD3	16	0.36
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD11	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD12	1	0.36
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD13	1	0.36
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD21	1	0.36
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD22	1	0.36
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD23	1	0.36
(1,684)	1:399:A:LYS:HG2	1:400:A:GLU:H	13	0.36
(1,684)	1:399:A:LYS:HG3	1:400:A:GLU:H	13	0.36
(1,670)	1:480:A:LEU:H	1:480:A:LEU:HG	5	0.36
(1,670)	1:480:A:LEU:H	1:480:A:LEU:HG	12	0.36
(1,664)	1:471:A:ILE:HG21	1:474:A:LYS:HG3	3	0.36
(1,664)	1:471:A:ILE:HG22	1:474:A:LYS:HG3	3	0.36
(1,664)	1:471:A:ILE:HG23	1:474:A:LYS:HG3	3	0.36
(1,659)	1:480:A:LEU:HG	1:481:A:LYS:H	7	0.36
(1,658)	1:480:A:LEU:H	1:480:A:LEU:HG	5	0.36
(1,658)	1:480:A:LEU:H	1:480:A:LEU:HG	12	0.36
(1,655)	1:474:A:LYS:H	1:474:A:LYS:HG3	18	0.36
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	15	0.36
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	15	0.36
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	15	0.36
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	15	0.36
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	15	0.36
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	15	0.36
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	19	0.36
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	19	0.36
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	19	0.36
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	19	0.36
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	19	0.36
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	19	0.36
(1,619)	1:407:A:LEU:HG	1:453:A:TYR:H	7	0.36
(1,614)	1:407:A:LEU:H	1:407:A:LEU:HG	9	0.36
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD1	3	0.36
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD2	3	0.36
(1,609)	1:409:A:ILE:HA	1:411:A:HIS:HB2	8	0.36
(1,602)	1:428:A:PHE:HB3	1:429:A:GLY:H	10	0.36
(1,588)	1:409:A:ILE:H	1:449:A:GLY:H	11	0.36
(1,583)	1:426:A:MET:HA	1:428:A:PHE:H	9	0.36
(1,580)	1:401:A:GLY:H	1:406:A:ASN:HD21	1	0.36
(1,577)	1:401:A:GLY:H	1:452:A:SER:HB2	9	0.36
(1,573)	1:463:A:ILE:HA	1:466:A:MET:H	8	0.36
(1,520)	1:433:A:SER:H	1:453:A:TYR:HA	4	0.36
(1,520)	1:433:A:SER:H	1:453:A:TYR:HA	16	0.36
(1,504)	1:409:A:ILE:HA	1:412:A:LEU:H	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,468)	1:421:A:ILE:HG21	1:423:A:GLN:H	14	0.36
(1,468)	1:421:A:ILE:HG22	1:423:A:GLN:H	14	0.36
(1,468)	1:421:A:ILE:HG23	1:423:A:GLN:H	14	0.36
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG21	18	0.36
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG22	18	0.36
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG23	18	0.36
(1,438)	1:420:A:ASP:HB3	1:421:A:ILE:H	13	0.36
(1,425)	1:438:A:ILE:HB	1:443:A:ASN:H	8	0.36
(1,405)	1:471:A:ILE:HG12	1:472:A:GLY:H	3	0.36
(1,405)	1:471:A:ILE:HG13	1:472:A:GLY:H	3	0.36
(1,405)	1:471:A:ILE:HG12	1:472:A:GLY:H	14	0.36
(1,405)	1:471:A:ILE:HG13	1:472:A:GLY:H	14	0.36
(1,387)	1:419:A:GLN:HB3	1:420:A:ASP:H	3	0.36
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB1	6	0.36
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB2	6	0.36
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB3	6	0.36
(1,369)	1:482:A:ARG:HB3	1:483:A:SER:H	6	0.36
(1,369)	1:482:A:ARG:HB3	1:483:A:SER:H	8	0.36
(1,363)	1:407:A:LEU:HD11	1:463:A:ILE:H	14	0.36
(1,363)	1:407:A:LEU:HD12	1:463:A:ILE:H	14	0.36
(1,363)	1:407:A:LEU:HD13	1:463:A:ILE:H	14	0.36
(1,363)	1:407:A:LEU:HD21	1:463:A:ILE:H	14	0.36
(1,363)	1:407:A:LEU:HD22	1:463:A:ILE:H	14	0.36
(1,363)	1:407:A:LEU:HD23	1:463:A:ILE:H	14	0.36
(1,344)	1:467:A:ASN:H	1:468:A:GLY:H	13	0.36
(1,340)	1:465:A:ALA:H	1:467:A:ASN:H	3	0.36
(1,338)	1:408:A:PHE:H	1:409:A:ILE:H	3	0.36
(1,338)	1:408:A:PHE:H	1:409:A:ILE:H	9	0.36
(1,338)	1:408:A:PHE:H	1:409:A:ILE:H	19	0.36
(1,329)	1:402:A:PRO:HG2	1:403:A:GLU:H	4	0.36
(1,307)	1:474:A:LYS:H	1:475:A:ARG:H	8	0.36
(1,307)	1:474:A:LYS:H	1:475:A:ARG:H	9	0.36
(1,299)	1:403:A:GLU:HA	1:405:A:ALA:H	18	0.36
(1,297)	1:405:A:ALA:H	1:406:A:ASN:HB3	6	0.36
(1,296)	1:450:A:PHE:H	1:451:A:VAL:H	15	0.36
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG11	17	0.36
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG12	17	0.36
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG13	17	0.36
(1,294)	1:409:A:ILE:HD11	1:450:A:PHE:H	13	0.36
(1,294)	1:409:A:ILE:HD12	1:450:A:PHE:H	13	0.36
(1,294)	1:409:A:ILE:HD13	1:450:A:PHE:H	13	0.36
(1,287)	1:436:A:VAL:HA	1:450:A:PHE:H	15	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,281)	1:455:A:ASN:HB3	1:459:A:ALA:H	16	0.36
(1,280)	1:458:A:SER:HB2	1:459:A:ALA:H	17	0.36
(1,260)	1:408:A:PHE:H	1:409:A:ILE:H	3	0.36
(1,260)	1:408:A:PHE:H	1:409:A:ILE:H	9	0.36
(1,260)	1:408:A:PHE:H	1:409:A:ILE:H	19	0.36
(1,252)	1:402:A:PRO:HD2	1:453:A:TYR:H	3	0.36
(1,245)	1:453:A:TYR:H	1:454:A:ASP:H	1	0.36
(1,245)	1:453:A:TYR:H	1:454:A:ASP:H	6	0.36
(1,245)	1:453:A:TYR:H	1:454:A:ASP:H	17	0.36
(1,245)	1:453:A:TYR:H	1:454:A:ASP:H	20	0.36
(1,242)	1:399:A:LYS:HG2	1:400:A:GLU:H	13	0.36
(1,242)	1:399:A:LYS:HG3	1:400:A:GLU:H	13	0.36
(1,217)	1:462:A:ALA:H	1:463:A:ILE:HB	16	0.36
(1,207)	1:417:A:GLY:H	1:418:A:ASP:H	4	0.36
(1,205)	1:415:A:GLU:HG2	1:416:A:PHE:H	12	0.36
(1,205)	1:415:A:GLU:HG3	1:416:A:PHE:H	12	0.36
(1,184)	1:479:A:GLN:H	1:480:A:LEU:H	15	0.36
(1,178)	1:419:A:GLN:HA	1:422:A:LEU:H	2	0.36
(1,178)	1:419:A:GLN:HA	1:422:A:LEU:H	19	0.36
(1,171)	1:483:A:SER:H	1:484:A:LYS:H	11	0.36
(1,168)	1:463:A:ILE:HD11	1:480:A:LEU:H	15	0.36
(1,168)	1:463:A:ILE:HD12	1:480:A:LEU:H	15	0.36
(1,168)	1:463:A:ILE:HD13	1:480:A:LEU:H	15	0.36
(1,167)	1:480:A:LEU:H	1:480:A:LEU:HG	5	0.36
(1,167)	1:480:A:LEU:H	1:480:A:LEU:HG	12	0.36
(1,157)	1:406:A:ASN:HB2	1:407:A:LEU:H	4	0.36
(1,157)	1:406:A:ASN:HB2	1:407:A:LEU:H	6	0.36
(1,138)	1:410:A:TYR:H	1:411:A:HIS:H	2	0.36
(1,138)	1:410:A:TYR:H	1:411:A:HIS:H	10	0.36
(1,138)	1:410:A:TYR:H	1:411:A:HIS:H	19	0.36
(1,128)	1:467:A:ASN:HA	1:469:A:PHE:H	18	0.36
(1,128)	1:467:A:ASN:HA	1:469:A:PHE:H	20	0.36
(1,79)	1:433:A:SER:H	1:434:A:ALA:H	16	0.36
(1,75)	1:446:A:LYS:H	1:447:A:CYS:H	11	0.36
(1,71)	1:414:A:GLN:H	1:414:A:GLN:HG3	1	0.36
(1,71)	1:414:A:GLN:H	1:414:A:GLN:HG3	20	0.36
(1,60)	1:436:A:VAL:HG21	1:437:A:PHE:H	4	0.36
(1,60)	1:436:A:VAL:HG22	1:437:A:PHE:H	4	0.36
(1,60)	1:436:A:VAL:HG23	1:437:A:PHE:H	4	0.36
(1,54)	1:470:A:GLN:H	1:471:A:ILE:H	6	0.36
(1,54)	1:470:A:GLN:H	1:471:A:ILE:H	10	0.36
(1,54)	1:470:A:GLN:H	1:471:A:ILE:H	18	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:470:A:GLN:H	1:471:A:ILE:H	19	0.36
(1,49)	1:439:A:ASP:H	1:444:A:LEU:HB3	8	0.36
(1,35)	1:467:A:ASN:HB2	1:478:A:VAL:H	9	0.36
(1,28)	1:439:A:ASP:HB2	1:440:A:LYS:H	20	0.36
(1,21)	1:424:A:MET:H	1:426:A:MET:H	1	0.36
(1,5)	1:469:A:PHE:HB2	1:470:A:GLN:H	18	0.36
(1,1602)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	3	0.35
(1,1602)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	3	0.35
(1,1602)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	3	0.35
(1,1602)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	3	0.35
(1,1602)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	3	0.35
(1,1602)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	3	0.35
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD1	2	0.35
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD2	2	0.35
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD1	6	0.35
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD2	6	0.35
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE1	12	0.35
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE2	12	0.35
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	10	0.35
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	10	0.35
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	18	0.35
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	18	0.35
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD1	19	0.35
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD2	19	0.35
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD1	19	0.35
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD2	19	0.35
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD1	19	0.35
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD2	19	0.35
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	13	0.35
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	13	0.35
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	13	0.35
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	13	0.35
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	13	0.35
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	13	0.35
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD1	3	0.35
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD2	3	0.35
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD1	8	0.35
(1,1538)	1:448:A:PHE:H	1:448:A:PHE:HD2	8	0.35
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG21	20	0.35
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG22	20	0.35
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG23	20	0.35
(1,1504)	1:430:A:ASN:HA	1:453:A:TYR:HD1	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1504)	1:430:A:ASN:HA	1:453:A:TYR:HD2	19	0.35
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD11	15	0.35
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD12	15	0.35
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD13	15	0.35
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB2	12	0.35
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB3	12	0.35
(1,1492)	1:461:A:ALA:HB1	1:462:A:ALA:HA	15	0.35
(1,1492)	1:461:A:ALA:HB2	1:462:A:ALA:HA	15	0.35
(1,1492)	1:461:A:ALA:HB3	1:462:A:ALA:HA	15	0.35
(1,1492)	1:461:A:ALA:HB1	1:462:A:ALA:HA	19	0.35
(1,1492)	1:461:A:ALA:HB2	1:462:A:ALA:HA	19	0.35
(1,1492)	1:461:A:ALA:HB3	1:462:A:ALA:HA	19	0.35
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG21	2	0.35
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG22	2	0.35
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG23	2	0.35
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG21	2	0.35
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG22	2	0.35
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG23	2	0.35
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG21	4	0.35
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG22	4	0.35
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG23	4	0.35
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG21	4	0.35
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG22	4	0.35
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG23	4	0.35
(1,1464)	1:431:A:VAL:HA	1:453:A:TYR:HA	9	0.35
(1,1453)	1:433:A:SER:HA	1:434:A:ALA:HA	4	0.35
(1,1453)	1:433:A:SER:HA	1:434:A:ALA:HA	16	0.35
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	14	0.35
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	14	0.35
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	14	0.35
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	14	0.35
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	14	0.35
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	14	0.35
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	14	0.35
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	14	0.35
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	14	0.35
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	14	0.35
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	14	0.35
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	14	0.35
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	14	0.35
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	14	0.35
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	14	0.35
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	14	0.35
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	14	0.35
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	19	0.35
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	19	0.35
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	19	0.35
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	19	0.35
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	19	0.35
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	19	0.35
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	19	0.35
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	19	0.35
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	19	0.35
(1,1353)	1:412:A:LEU:HG	1:417:A:GLY:HA2	12	0.35
(1,1352)	1:412:A:LEU:HG	1:417:A:GLY:HA3	2	0.35
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	10	0.35
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	10	0.35
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	10	0.35
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	10	0.35
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	10	0.35
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	10	0.35
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	10	0.35
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	10	0.35
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	10	0.35
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	19	0.35
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	19	0.35
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	19	0.35
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	19	0.35
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	19	0.35
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	19	0.35
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	19	0.35
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	19	0.35
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	19	0.35
(1,1326)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	3	0.35
(1,1326)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	3	0.35
(1,1326)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	3	0.35
(1,1326)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	3	0.35
(1,1326)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	3	0.35
(1,1326)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	3	0.35
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	13	0.35
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	13	0.35
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	13	0.35
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	13	0.35
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	13	0.35
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG11	9	0.35
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG12	9	0.35
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG13	9	0.35
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG21	19	0.35
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG22	19	0.35
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG23	19	0.35
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG21	16	0.35
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG22	16	0.35
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG23	16	0.35
(1,1288)	1:431:A:VAL:HG11	1:453:A:TYR:HE1	18	0.35
(1,1288)	1:431:A:VAL:HG11	1:453:A:TYR:HE2	18	0.35
(1,1288)	1:431:A:VAL:HG12	1:453:A:TYR:HE1	18	0.35
(1,1288)	1:431:A:VAL:HG12	1:453:A:TYR:HE2	18	0.35
(1,1288)	1:431:A:VAL:HG13	1:453:A:TYR:HE1	18	0.35
(1,1288)	1:431:A:VAL:HG13	1:453:A:TYR:HE2	18	0.35
(1,1248)	1:404:A:GLY:HA3	1:480:A:LEU:HG	10	0.35
(1,1227)	1:412:A:LEU:HG	1:413:A:PRO:HG2	14	0.35
(1,1219)	1:414:A:GLN:HB2	1:415:A:GLU:H	11	0.35
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	14	0.35
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	14	0.35
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD11	17	0.35
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD12	17	0.35
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD13	17	0.35
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG2	7	0.35
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG3	7	0.35
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG2	7	0.35
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG3	7	0.35
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG2	7	0.35
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG3	7	0.35
(1,1127)	1:467:A:ASN:HA	1:469:A:PHE:H	7	0.35
(1,1098)	1:440:A:LYS:HA	1:442:A:THR:H	17	0.35
(1,1085)	1:403:A:GLU:HG2	1:404:A:GLY:H	16	0.35
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD11	16	0.35
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD12	16	0.35
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD13	16	0.35
(1,1066)	1:414:A:GLN:HA	1:415:A:GLU:HA	16	0.35
(1,1052)	1:400:A:GLU:HG3	1:401:A:GLY:H	19	0.35
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	10	0.35
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	10	0.35
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	10	0.35
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	10	0.35
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	10	0.35
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	10	0.35
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	10	0.35
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	10	0.35
(1,982)	1:437:A:PHE:HB2	1:438:A:ILE:HB	5	0.35
(1,982)	1:437:A:PHE:HB2	1:438:A:ILE:HB	6	0.35
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG21	5	0.35
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG22	5	0.35
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG23	5	0.35
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG21	5	0.35
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG22	5	0.35
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG23	5	0.35
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG21	18	0.35
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG22	18	0.35
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG23	18	0.35
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG21	18	0.35
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG22	18	0.35
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG23	18	0.35
(1,949)	1:461:A:ALA:HB1	1:462:A:ALA:HA	15	0.35
(1,949)	1:461:A:ALA:HB2	1:462:A:ALA:HA	15	0.35
(1,949)	1:461:A:ALA:HB3	1:462:A:ALA:HA	15	0.35
(1,949)	1:461:A:ALA:HB1	1:462:A:ALA:HA	19	0.35
(1,949)	1:461:A:ALA:HB2	1:462:A:ALA:HA	19	0.35
(1,949)	1:461:A:ALA:HB3	1:462:A:ALA:HA	19	0.35
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG2	7	0.35
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG3	7	0.35
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG2	7	0.35
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG3	7	0.35
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG2	7	0.35
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG3	7	0.35
(1,926)	1:406:A:ASN:HB3	1:407:A:LEU:H	15	0.35
(1,914)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	12	0.35
(1,914)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	12	0.35
(1,914)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	12	0.35
(1,914)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	12	0.35
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	8	0.35
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	8	0.35
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	8	0.35
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	8	0.35
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	8	0.35
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB2	3	0.35
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB3	3	0.35
(1,877)	1:408:A:PHE:HB2	1:479:A:GLN:H	14	0.35
(1,877)	1:408:A:PHE:HB3	1:479:A:GLN:H	14	0.35
(1,877)	1:408:A:PHE:HB2	1:479:A:GLN:H	20	0.35
(1,877)	1:408:A:PHE:HB3	1:479:A:GLN:H	20	0.35
(1,874)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	10	0.35
(1,861)	1:452:A:SER:HB2	1:453:A:TYR:H	2	0.35
(1,860)	1:409:A:ILE:HG21	1:450:A:PHE:H	8	0.35
(1,860)	1:409:A:ILE:HG22	1:450:A:PHE:H	8	0.35
(1,860)	1:409:A:ILE:HG23	1:450:A:PHE:H	8	0.35
(1,828)	1:401:A:GLY:HA2	1:402:A:PRO:HG3	13	0.35
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	5	0.35
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	5	0.35
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	5	0.35
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB2	4	0.35
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB3	4	0.35
(1,752)	1:436:A:VAL:HG21	1:437:A:PHE:H	3	0.35
(1,752)	1:436:A:VAL:HG22	1:437:A:PHE:H	3	0.35
(1,752)	1:436:A:VAL:HG23	1:437:A:PHE:H	3	0.35
(1,752)	1:436:A:VAL:HG21	1:437:A:PHE:H	13	0.35
(1,752)	1:436:A:VAL:HG22	1:437:A:PHE:H	13	0.35
(1,752)	1:436:A:VAL:HG23	1:437:A:PHE:H	13	0.35
(1,750)	1:436:A:VAL:HG21	1:450:A:PHE:H	7	0.35
(1,750)	1:436:A:VAL:HG22	1:450:A:PHE:H	7	0.35
(1,750)	1:436:A:VAL:HG23	1:450:A:PHE:H	7	0.35
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG11	8	0.35
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG12	8	0.35
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG13	8	0.35
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG11	8	0.35
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG12	8	0.35
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG13	8	0.35
(1,736)	1:426:A:MET:H	1:431:A:VAL:HG11	3	0.35
(1,736)	1:426:A:MET:H	1:431:A:VAL:HG12	3	0.35
(1,736)	1:426:A:MET:H	1:431:A:VAL:HG13	3	0.35
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	4	0.35
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	4	0.35
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	14	0.35
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	14	0.35
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	14	0.35
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	14	0.35
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	14	0.35
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	14	0.35
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	14	0.35
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	14	0.35
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	14	0.35
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	14	0.35
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	14	0.35
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	14	0.35
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	14	0.35
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	14	0.35
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	14	0.35
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	14	0.35
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	14	0.35
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD11	5	0.35
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD12	5	0.35
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD13	5	0.35
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD21	5	0.35
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD22	5	0.35
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD23	5	0.35
(1,692)	1:471:A:ILE:HA	1:472:A:GLY:HA2	1	0.35
(1,667)	1:473:A:MET:HG2	1:474:A:LYS:HG2	11	0.35
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	14	0.35
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	14	0.35
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	14	0.35
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	14	0.35
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	14	0.35
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	14	0.35
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG21	15	0.35
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG22	15	0.35
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG23	15	0.35
(1,615)	1:407:A:LEU:HG	1:462:A:ALA:H	9	0.35
(1,614)	1:407:A:LEU:H	1:407:A:LEU:HG	17	0.35
(1,609)	1:409:A:ILE:HA	1:411:A:HIS:HB2	9	0.35
(1,602)	1:428:A:PHE:HB3	1:429:A:GLY:H	1	0.35
(1,602)	1:428:A:PHE:HB3	1:429:A:GLY:H	5	0.35
(1,602)	1:428:A:PHE:HB3	1:429:A:GLY:H	18	0.35
(1,598)	1:429:A:GLY:H	1:430:A:ASN:H	10	0.35
(1,587)	1:449:A:GLY:H	1:450:A:PHE:H	16	0.35
(1,587)	1:449:A:GLY:H	1:450:A:PHE:H	20	0.35
(1,580)	1:401:A:GLY:H	1:406:A:ASN:HD21	2	0.35
(1,573)	1:463:A:ILE:HA	1:466:A:MET:H	2	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,567)	1:419:A:GLN:HE22	1:423:A:GLN:HB2	17	0.35
(1,567)	1:419:A:GLN:HE22	1:423:A:GLN:HB3	17	0.35
(1,539)	1:453:A:TYR:HB2	1:454:A:ASP:H	4	0.35
(1,520)	1:433:A:SER:H	1:453:A:TYR:HA	3	0.35
(1,504)	1:409:A:ILE:HA	1:412:A:LEU:H	13	0.35
(1,490)	1:406:A:ASN:H	1:406:A:ASN:HD21	20	0.35
(1,468)	1:421:A:ILE:HG21	1:423:A:GLN:H	11	0.35
(1,468)	1:421:A:ILE:HG22	1:423:A:GLN:H	11	0.35
(1,468)	1:421:A:ILE:HG23	1:423:A:GLN:H	11	0.35
(1,465)	1:422:A:LEU:HB3	1:423:A:GLN:H	10	0.35
(1,460)	1:457:A:VAL:H	1:460:A:GLN:H	7	0.35
(1,439)	1:421:A:ILE:H	1:421:A:ILE:HG13	8	0.35
(1,425)	1:438:A:ILE:HB	1:443:A:ASN:H	4	0.35
(1,414)	1:441:A:GLN:H	1:441:A:GLN:HG3	5	0.35
(1,405)	1:471:A:ILE:HG12	1:472:A:GLY:H	13	0.35
(1,405)	1:471:A:ILE:HG13	1:472:A:GLY:H	13	0.35
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB1	10	0.35
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB2	10	0.35
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB3	10	0.35
(1,369)	1:482:A:ARG:HB3	1:483:A:SER:H	13	0.35
(1,366)	1:467:A:ASN:HB3	1:468:A:GLY:H	7	0.35
(1,344)	1:467:A:ASN:H	1:468:A:GLY:H	5	0.35
(1,344)	1:467:A:ASN:H	1:468:A:GLY:H	17	0.35
(1,344)	1:467:A:ASN:H	1:468:A:GLY:H	19	0.35
(1,340)	1:465:A:ALA:H	1:467:A:ASN:H	8	0.35
(1,302)	1:403:A:GLU:HG2	1:405:A:ALA:H	16	0.35
(1,299)	1:403:A:GLU:HA	1:405:A:ALA:H	2	0.35
(1,297)	1:405:A:ALA:H	1:406:A:ASN:HB3	12	0.35
(1,296)	1:450:A:PHE:H	1:451:A:VAL:H	10	0.35
(1,296)	1:450:A:PHE:H	1:451:A:VAL:H	19	0.35
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG11	16	0.35
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG12	16	0.35
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG13	16	0.35
(1,287)	1:436:A:VAL:HA	1:450:A:PHE:H	19	0.35
(1,286)	1:435:A:LYS:H	1:450:A:PHE:H	17	0.35
(1,285)	1:449:A:GLY:H	1:450:A:PHE:H	16	0.35
(1,285)	1:449:A:GLY:H	1:450:A:PHE:H	20	0.35
(1,281)	1:455:A:ASN:HB3	1:459:A:ALA:H	20	0.35
(1,280)	1:458:A:SER:HB2	1:459:A:ALA:H	9	0.35
(1,251)	1:452:A:SER:HB2	1:453:A:TYR:H	2	0.35
(1,245)	1:453:A:TYR:H	1:454:A:ASP:H	7	0.35
(1,245)	1:453:A:TYR:H	1:454:A:ASP:H	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,245)	1:453:A:TYR:H	1:454:A:ASP:H	11	0.35
(1,245)	1:453:A:TYR:H	1:454:A:ASP:H	15	0.35
(1,228)	1:418:A:ASP:H	1:436:A:VAL:HG11	12	0.35
(1,228)	1:418:A:ASP:H	1:436:A:VAL:HG12	12	0.35
(1,228)	1:418:A:ASP:H	1:436:A:VAL:HG13	12	0.35
(1,227)	1:418:A:ASP:H	1:436:A:VAL:HB	7	0.35
(1,221)	1:407:A:LEU:HG	1:462:A:ALA:H	9	0.35
(1,220)	1:407:A:LEU:HD11	1:462:A:ALA:H	4	0.35
(1,220)	1:407:A:LEU:HD12	1:462:A:ALA:H	4	0.35
(1,220)	1:407:A:LEU:HD13	1:462:A:ALA:H	4	0.35
(1,220)	1:407:A:LEU:HD21	1:462:A:ALA:H	4	0.35
(1,220)	1:407:A:LEU:HD22	1:462:A:ALA:H	4	0.35
(1,220)	1:407:A:LEU:HD23	1:462:A:ALA:H	4	0.35
(1,207)	1:417:A:GLY:H	1:418:A:ASP:H	1	0.35
(1,206)	1:412:A:LEU:HD11	1:416:A:PHE:H	5	0.35
(1,206)	1:412:A:LEU:HD12	1:416:A:PHE:H	5	0.35
(1,206)	1:412:A:LEU:HD13	1:416:A:PHE:H	5	0.35
(1,206)	1:412:A:LEU:HD21	1:416:A:PHE:H	5	0.35
(1,206)	1:412:A:LEU:HD22	1:416:A:PHE:H	5	0.35
(1,206)	1:412:A:LEU:HD23	1:416:A:PHE:H	5	0.35
(1,206)	1:412:A:LEU:HD11	1:416:A:PHE:H	8	0.35
(1,206)	1:412:A:LEU:HD12	1:416:A:PHE:H	8	0.35
(1,206)	1:412:A:LEU:HD13	1:416:A:PHE:H	8	0.35
(1,206)	1:412:A:LEU:HD21	1:416:A:PHE:H	8	0.35
(1,206)	1:412:A:LEU:HD22	1:416:A:PHE:H	8	0.35
(1,206)	1:412:A:LEU:HD23	1:416:A:PHE:H	8	0.35
(1,205)	1:415:A:GLU:HG2	1:416:A:PHE:H	7	0.35
(1,205)	1:415:A:GLU:HG3	1:416:A:PHE:H	7	0.35
(1,205)	1:415:A:GLU:HG2	1:416:A:PHE:H	8	0.35
(1,205)	1:415:A:GLU:HG3	1:416:A:PHE:H	8	0.35
(1,157)	1:406:A:ASN:HB2	1:407:A:LEU:H	3	0.35
(1,154)	1:406:A:ASN:HB3	1:407:A:LEU:H	15	0.35
(1,150)	1:407:A:LEU:H	1:409:A:ILE:H	10	0.35
(1,138)	1:410:A:TYR:H	1:411:A:HIS:H	1	0.35
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB2	9	0.35
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB3	9	0.35
(1,128)	1:467:A:ASN:HA	1:469:A:PHE:H	7	0.35
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG11	17	0.35
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG12	17	0.35
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG13	17	0.35
(1,94)	1:451:A:VAL:H	1:452:A:SER:H	5	0.35
(1,94)	1:451:A:VAL:H	1:452:A:SER:H	11	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:451:A:VAL:H	1:452:A:SER:H	17	0.35
(1,94)	1:451:A:VAL:H	1:452:A:SER:H	20	0.35
(1,79)	1:433:A:SER:H	1:434:A:ALA:H	2	0.35
(1,76)	1:445:A:SER:H	1:446:A:LYS:H	6	0.35
(1,60)	1:436:A:VAL:HG21	1:437:A:PHE:H	3	0.35
(1,60)	1:436:A:VAL:HG22	1:437:A:PHE:H	3	0.35
(1,60)	1:436:A:VAL:HG23	1:437:A:PHE:H	3	0.35
(1,60)	1:436:A:VAL:HG21	1:437:A:PHE:H	13	0.35
(1,60)	1:436:A:VAL:HG22	1:437:A:PHE:H	13	0.35
(1,60)	1:436:A:VAL:HG23	1:437:A:PHE:H	13	0.35
(1,54)	1:470:A:GLN:H	1:471:A:ILE:H	1	0.35
(1,54)	1:470:A:GLN:H	1:471:A:ILE:H	3	0.35
(1,54)	1:470:A:GLN:H	1:471:A:ILE:H	14	0.35
(1,52)	1:471:A:ILE:H	1:474:A:LYS:H	13	0.35
(1,43)	1:438:A:ILE:H	1:439:A:ASP:H	12	0.35
(1,28)	1:439:A:ASP:HB2	1:440:A:LYS:H	5	0.35
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD11	16	0.35
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD12	16	0.35
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD13	16	0.35
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD11	7	0.35
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD12	7	0.35
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD13	7	0.35
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD11	20	0.35
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD12	20	0.35
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD13	20	0.35
(1,5)	1:469:A:PHE:HB2	1:470:A:GLN:H	3	0.35
(1,5)	1:469:A:PHE:HB2	1:470:A:GLN:H	12	0.35
(1,5)	1:469:A:PHE:HB2	1:470:A:GLN:H	17	0.35
(1,4)	1:469:A:PHE:HB3	1:470:A:GLN:H	2	0.35
(1,4)	1:469:A:PHE:HB3	1:470:A:GLN:H	7	0.35
(1,4)	1:469:A:PHE:HB3	1:470:A:GLN:H	12	0.35
(1,4)	1:469:A:PHE:HB3	1:470:A:GLN:H	17	0.35
(1,4)	1:469:A:PHE:HB3	1:470:A:GLN:H	20	0.35
(1,1598)	1:453:A:TYR:HE1	1:459:A:ALA:HA	1	0.34
(1,1598)	1:453:A:TYR:HE2	1:459:A:ALA:HA	1	0.34
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE1	19	0.34
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE2	19	0.34
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	2	0.34
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	2	0.34
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	14	0.34
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	14	0.34
(1,1526)	1:422:A:LEU:HB3	1:423:A:GLN:HB2	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1526)	1:422:A:LEU:HB3	1:423:A:GLN:HB3	2	0.34
(1,1520)	1:434:A:ALA:HA	1:451:A:VAL:HA	7	0.34
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG21	9	0.34
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG22	9	0.34
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG23	9	0.34
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG11	19	0.34
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG12	19	0.34
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG13	19	0.34
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD11	3	0.34
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD12	3	0.34
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD13	3	0.34
(1,1493)	1:455:A:ASN:HB3	1:457:A:VAL:HB	20	0.34
(1,1492)	1:461:A:ALA:HB1	1:462:A:ALA:HA	8	0.34
(1,1492)	1:461:A:ALA:HB2	1:462:A:ALA:HA	8	0.34
(1,1492)	1:461:A:ALA:HB3	1:462:A:ALA:HA	8	0.34
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG11	17	0.34
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG12	17	0.34
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG13	17	0.34
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD11	7	0.34
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD12	7	0.34
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD13	7	0.34
(1,1405)	1:435:A:LYS:HB2	1:437:A:PHE:HB3	16	0.34
(1,1405)	1:435:A:LYS:HB3	1:437:A:PHE:HB3	16	0.34
(1,1404)	1:420:A:ASP:HB2	1:423:A:GLN:HA	10	0.34
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	20	0.34
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	20	0.34
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	20	0.34
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	20	0.34
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	20	0.34
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	20	0.34
(1,1387)	1:409:A:ILE:HB	1:449:A:GLY:HA3	6	0.34
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB1	2	0.34
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB2	2	0.34
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB3	2	0.34
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB1	2	0.34
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB2	2	0.34
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB3	2	0.34
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD11	7	0.34
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD12	7	0.34
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD13	7	0.34
(1,1348)	1:475:A:ARG:HA	1:475:A:ARG:HD2	12	0.34
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG11	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG12	17	0.34
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG13	17	0.34
(1,1319)	1:434:A:ALA:HB1	1:451:A:VAL:HA	17	0.34
(1,1319)	1:434:A:ALA:HB2	1:451:A:VAL:HA	17	0.34
(1,1319)	1:434:A:ALA:HB3	1:451:A:VAL:HA	17	0.34
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG2	3	0.34
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG3	3	0.34
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG2	3	0.34
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG3	3	0.34
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG2	3	0.34
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG3	3	0.34
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG2	3	0.34
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG3	3	0.34
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG2	3	0.34
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG3	3	0.34
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG2	3	0.34
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG3	3	0.34
(1,1255)	1:463:A:ILE:HD11	1:480:A:LEU:HG	8	0.34
(1,1255)	1:463:A:ILE:HD12	1:480:A:LEU:HG	8	0.34
(1,1255)	1:463:A:ILE:HD13	1:480:A:LEU:HG	8	0.34
(1,1248)	1:404:A:GLY:HA3	1:480:A:LEU:HG	7	0.34
(1,1248)	1:404:A:GLY:HA3	1:480:A:LEU:HG	18	0.34
(1,1247)	1:412:A:LEU:HG	1:421:A:ILE:HG13	12	0.34
(1,1232)	1:419:A:GLN:HB3	1:420:A:ASP:H	1	0.34
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD1	8	0.34
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD2	8	0.34
(1,1193)	1:406:A:ASN:HA	1:453:A:TYR:H	9	0.34
(1,1181)	1:479:A:GLN:HA	1:480:A:LEU:HG	19	0.34
(1,1163)	1:453:A:TYR:HE1	1:459:A:ALA:HA	1	0.34
(1,1163)	1:453:A:TYR:HE2	1:459:A:ALA:HA	1	0.34
(1,1157)	1:461:A:ALA:HA	1:464:A:GLN:H	11	0.34
(1,1147)	1:424:A:MET:HG2	1:425:A:PHE:H	17	0.34
(1,1147)	1:424:A:MET:HG3	1:425:A:PHE:H	17	0.34
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG2	9	0.34
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG3	9	0.34
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG2	9	0.34
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG3	9	0.34
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG2	9	0.34
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG3	9	0.34
(1,1122)	1:408:A:PHE:HA	1:449:A:GLY:H	3	0.34
(1,1097)	1:441:A:GLN:HA	1:444:A:LEU:H	5	0.34
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	17	0.34
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	17	0.34
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD11	4	0.34
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD12	4	0.34
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD13	4	0.34
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG21	6	0.34
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG22	6	0.34
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG23	6	0.34
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG21	6	0.34
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG22	6	0.34
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG23	6	0.34
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG21	6	0.34
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG22	6	0.34
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG23	6	0.34
(1,998)	1:485:A:ASN:HB3	1:486:A:ASP:H	9	0.34
(1,997)	1:485:A:ASN:HB2	1:486:A:ASP:H	17	0.34
(1,982)	1:437:A:PHE:HB2	1:438:A:ILE:HB	7	0.34
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG21	8	0.34
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG22	8	0.34
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG23	8	0.34
(1,959)	1:432:A:ILE:HG21	1:454:A:ASP:H	7	0.34
(1,959)	1:432:A:ILE:HG22	1:454:A:ASP:H	7	0.34
(1,959)	1:432:A:ILE:HG23	1:454:A:ASP:H	7	0.34
(1,959)	1:432:A:ILE:HG21	1:454:A:ASP:H	12	0.34
(1,959)	1:432:A:ILE:HG22	1:454:A:ASP:H	12	0.34
(1,959)	1:432:A:ILE:HG23	1:454:A:ASP:H	12	0.34
(1,949)	1:461:A:ALA:HB1	1:462:A:ALA:HA	8	0.34
(1,949)	1:461:A:ALA:HB2	1:462:A:ALA:HA	8	0.34
(1,949)	1:461:A:ALA:HB3	1:462:A:ALA:HA	8	0.34
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG2	9	0.34
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG3	9	0.34
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG2	9	0.34
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG3	9	0.34
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG2	9	0.34
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG3	9	0.34
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE1	7	0.34
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE2	7	0.34
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE3	7	0.34
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE1	7	0.34
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE2	7	0.34
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE3	7	0.34
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE1	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE2	7	0.34
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE3	7	0.34
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE1	10	0.34
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE2	10	0.34
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE3	10	0.34
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE1	10	0.34
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE2	10	0.34
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE3	10	0.34
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE1	10	0.34
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE2	10	0.34
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE3	10	0.34
(1,926)	1:406:A:ASN:HB3	1:407:A:LEU:H	9	0.34
(1,884)	1:433:A:SER:HB2	1:452:A:SER:H	3	0.34
(1,877)	1:408:A:PHE:HB2	1:479:A:GLN:H	17	0.34
(1,877)	1:408:A:PHE:HB3	1:479:A:GLN:H	17	0.34
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD2	15	0.34
(1,869)	1:475:A:ARG:HA	1:475:A:ARG:HD3	15	0.34
(1,828)	1:401:A:GLY:HA2	1:402:A:PRO:HG3	18	0.34
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	18	0.34
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	18	0.34
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	18	0.34
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	18	0.34
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	18	0.34
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	18	0.34
(1,763)	1:457:A:VAL:HG11	1:459:A:ALA:H	14	0.34
(1,763)	1:457:A:VAL:HG12	1:459:A:ALA:H	14	0.34
(1,763)	1:457:A:VAL:HG13	1:459:A:ALA:H	14	0.34
(1,763)	1:457:A:VAL:HG21	1:459:A:ALA:H	14	0.34
(1,763)	1:457:A:VAL:HG22	1:459:A:ALA:H	14	0.34
(1,763)	1:457:A:VAL:HG23	1:459:A:ALA:H	14	0.34
(1,752)	1:436:A:VAL:HG21	1:437:A:PHE:H	16	0.34
(1,752)	1:436:A:VAL:HG22	1:437:A:PHE:H	16	0.34
(1,752)	1:436:A:VAL:HG23	1:437:A:PHE:H	16	0.34
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG11	19	0.34
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG12	19	0.34
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG13	19	0.34
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	5	0.34
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	5	0.34
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	16	0.34
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	16	0.34
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG21	20	0.34
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG22	20	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG23	20	0.34
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD2	6	0.34
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD3	6	0.34
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD2	6	0.34
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD3	6	0.34
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD2	6	0.34
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD3	6	0.34
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD11	10	0.34
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD12	10	0.34
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD13	10	0.34
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD21	10	0.34
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD22	10	0.34
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD23	10	0.34
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD11	18	0.34
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD12	18	0.34
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD13	18	0.34
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD21	18	0.34
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD22	18	0.34
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD23	18	0.34
(1,692)	1:471:A:ILE:HA	1:472:A:GLY:HA2	16	0.34
(1,684)	1:399:A:LYS:HG2	1:400:A:GLU:H	4	0.34
(1,684)	1:399:A:LYS:HG3	1:400:A:GLU:H	4	0.34
(1,670)	1:480:A:LEU:H	1:480:A:LEU:HG	16	0.34
(1,667)	1:473:A:MET:HG2	1:474:A:LYS:HG2	18	0.34
(1,658)	1:480:A:LEU:H	1:480:A:LEU:HG	16	0.34
(1,634)	1:469:A:PHE:HE1	1:476:A:LEU:HG	7	0.34
(1,634)	1:469:A:PHE:HE2	1:476:A:LEU:HG	7	0.34
(1,634)	1:469:A:PHE:HE1	1:476:A:LEU:HG	15	0.34
(1,634)	1:469:A:PHE:HE2	1:476:A:LEU:HG	15	0.34
(1,629)	1:402:A:PRO:HD3	1:403:A:GLU:HB2	17	0.34
(1,626)	1:401:A:GLY:H	1:402:A:PRO:HD3	4	0.34
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	18	0.34
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	18	0.34
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	18	0.34
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	18	0.34
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	18	0.34
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	18	0.34
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG21	14	0.34
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG22	14	0.34
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG23	14	0.34
(1,615)	1:407:A:LEU:HG	1:462:A:ALA:H	18	0.34
(1,609)	1:409:A:ILE:HA	1:411:A:HIS:HB2	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:410:A:TYR:HA	1:411:A:HIS:HB2	16	0.34
(1,602)	1:428:A:PHE:HB3	1:429:A:GLY:H	17	0.34
(1,598)	1:429:A:GLY:H	1:430:A:ASN:H	6	0.34
(1,598)	1:429:A:GLY:H	1:430:A:ASN:H	14	0.34
(1,598)	1:429:A:GLY:H	1:430:A:ASN:H	15	0.34
(1,598)	1:429:A:GLY:H	1:430:A:ASN:H	18	0.34
(1,598)	1:429:A:GLY:H	1:430:A:ASN:H	20	0.34
(1,587)	1:449:A:GLY:H	1:450:A:PHE:H	6	0.34
(1,587)	1:449:A:GLY:H	1:450:A:PHE:H	10	0.34
(1,587)	1:449:A:GLY:H	1:450:A:PHE:H	17	0.34
(1,573)	1:463:A:ILE:HA	1:466:A:MET:H	10	0.34
(1,573)	1:463:A:ILE:HA	1:466:A:MET:H	14	0.34
(1,564)	1:411:A:HIS:H	1:448:A:PHE:HB2	8	0.34
(1,564)	1:411:A:HIS:H	1:448:A:PHE:HB3	8	0.34
(1,553)	1:422:A:LEU:HA	1:425:A:PHE:H	19	0.34
(1,544)	1:432:A:ILE:HG21	1:454:A:ASP:H	7	0.34
(1,544)	1:432:A:ILE:HG22	1:454:A:ASP:H	7	0.34
(1,544)	1:432:A:ILE:HG23	1:454:A:ASP:H	7	0.34
(1,544)	1:432:A:ILE:HG21	1:454:A:ASP:H	12	0.34
(1,544)	1:432:A:ILE:HG22	1:454:A:ASP:H	12	0.34
(1,544)	1:432:A:ILE:HG23	1:454:A:ASP:H	12	0.34
(1,531)	1:416:A:PHE:H	1:417:A:GLY:H	19	0.34
(1,520)	1:433:A:SER:H	1:453:A:TYR:HA	9	0.34
(1,508)	1:453:A:TYR:HD1	1:455:A:ASN:H	5	0.34
(1,508)	1:453:A:TYR:HD2	1:455:A:ASN:H	5	0.34
(1,501)	1:467:A:ASN:H	1:467:A:ASN:HD21	17	0.34
(1,497)	1:454:A:ASP:HB3	1:455:A:ASN:HD22	15	0.34
(1,467)	1:422:A:LEU:HD11	1:423:A:GLN:H	9	0.34
(1,467)	1:422:A:LEU:HD12	1:423:A:GLN:H	9	0.34
(1,467)	1:422:A:LEU:HD13	1:423:A:GLN:H	9	0.34
(1,467)	1:422:A:LEU:HD21	1:423:A:GLN:H	9	0.34
(1,467)	1:422:A:LEU:HD22	1:423:A:GLN:H	9	0.34
(1,467)	1:422:A:LEU:HD23	1:423:A:GLN:H	9	0.34
(1,456)	1:457:A:VAL:HA	1:460:A:GLN:H	12	0.34
(1,456)	1:457:A:VAL:HA	1:460:A:GLN:H	16	0.34
(1,451)	1:460:A:GLN:H	1:480:A:LEU:HG	6	0.34
(1,451)	1:460:A:GLN:H	1:480:A:LEU:HG	20	0.34
(1,438)	1:420:A:ASP:HB3	1:421:A:ILE:H	7	0.34
(1,434)	1:416:A:PHE:HB3	1:421:A:ILE:H	20	0.34
(1,408)	1:420:A:ASP:H	1:422:A:LEU:H	12	0.34
(1,408)	1:420:A:ASP:H	1:422:A:LEU:H	18	0.34
(1,405)	1:471:A:ILE:HG12	1:472:A:GLY:H	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,405)	1:471:A:ILE:HG13	1:472:A:GLY:H	6	0.34
(1,405)	1:471:A:ILE:HG12	1:472:A:GLY:H	16	0.34
(1,405)	1:471:A:ILE:HG13	1:472:A:GLY:H	16	0.34
(1,387)	1:419:A:GLN:HB3	1:420:A:ASP:H	1	0.34
(1,369)	1:482:A:ARG:HB3	1:483:A:SER:H	3	0.34
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG21	20	0.34
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG22	20	0.34
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG23	20	0.34
(1,344)	1:467:A:ASN:H	1:468:A:GLY:H	6	0.34
(1,344)	1:467:A:ASN:H	1:468:A:GLY:H	12	0.34
(1,344)	1:467:A:ASN:H	1:468:A:GLY:H	18	0.34
(1,338)	1:408:A:PHE:H	1:409:A:ILE:H	15	0.34
(1,299)	1:403:A:GLU:HA	1:405:A:ALA:H	1	0.34
(1,299)	1:403:A:GLU:HA	1:405:A:ALA:H	3	0.34
(1,297)	1:405:A:ALA:H	1:406:A:ASN:HB3	5	0.34
(1,296)	1:450:A:PHE:H	1:451:A:VAL:H	16	0.34
(1,296)	1:450:A:PHE:H	1:451:A:VAL:H	18	0.34
(1,285)	1:449:A:GLY:H	1:450:A:PHE:H	6	0.34
(1,285)	1:449:A:GLY:H	1:450:A:PHE:H	10	0.34
(1,285)	1:449:A:GLY:H	1:450:A:PHE:H	17	0.34
(1,260)	1:408:A:PHE:H	1:409:A:ILE:H	15	0.34
(1,245)	1:453:A:TYR:H	1:454:A:ASP:H	10	0.34
(1,242)	1:399:A:LYS:HG2	1:400:A:GLU:H	4	0.34
(1,242)	1:399:A:LYS:HG3	1:400:A:GLU:H	4	0.34
(1,227)	1:418:A:ASP:H	1:436:A:VAL:HB	16	0.34
(1,221)	1:407:A:LEU:HG	1:462:A:ALA:H	18	0.34
(1,205)	1:415:A:GLU:HG2	1:416:A:PHE:H	18	0.34
(1,205)	1:415:A:GLU:HG3	1:416:A:PHE:H	18	0.34
(1,200)	1:416:A:PHE:H	1:417:A:GLY:H	19	0.34
(1,171)	1:483:A:SER:H	1:484:A:LYS:H	1	0.34
(1,171)	1:483:A:SER:H	1:484:A:LYS:H	10	0.34
(1,167)	1:480:A:LEU:H	1:480:A:LEU:HG	16	0.34
(1,157)	1:406:A:ASN:HB2	1:407:A:LEU:H	12	0.34
(1,154)	1:406:A:ASN:HB3	1:407:A:LEU:H	9	0.34
(1,138)	1:410:A:TYR:H	1:411:A:HIS:H	6	0.34
(1,132)	1:434:A:ALA:HB1	1:451:A:VAL:H	17	0.34
(1,132)	1:434:A:ALA:HB2	1:451:A:VAL:H	17	0.34
(1,132)	1:434:A:ALA:HB3	1:451:A:VAL:H	17	0.34
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG11	15	0.34
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG12	15	0.34
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG13	15	0.34
(1,101)	1:450:A:PHE:HB3	1:451:A:VAL:H	3	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:451:A:VAL:H	1:452:A:SER:H	3	0.34
(1,84)	1:406:A:ASN:H	1:481:A:LYS:H	16	0.34
(1,76)	1:445:A:SER:H	1:446:A:LYS:H	19	0.34
(1,71)	1:414:A:GLN:H	1:414:A:GLN:HG3	6	0.34
(1,71)	1:414:A:GLN:H	1:414:A:GLN:HG3	12	0.34
(1,71)	1:414:A:GLN:H	1:414:A:GLN:HG3	13	0.34
(1,66)	1:437:A:PHE:H	1:450:A:PHE:HD1	11	0.34
(1,66)	1:437:A:PHE:H	1:450:A:PHE:HD2	11	0.34
(1,60)	1:436:A:VAL:HG21	1:437:A:PHE:H	16	0.34
(1,60)	1:436:A:VAL:HG22	1:437:A:PHE:H	16	0.34
(1,60)	1:436:A:VAL:HG23	1:437:A:PHE:H	16	0.34
(1,54)	1:470:A:GLN:H	1:471:A:ILE:H	2	0.34
(1,54)	1:470:A:GLN:H	1:471:A:ILE:H	12	0.34
(1,42)	1:439:A:ASP:H	1:444:A:LEU:HG	20	0.34
(1,19)	1:425:A:PHE:HD1	1:426:A:MET:H	15	0.34
(1,19)	1:425:A:PHE:HD2	1:426:A:MET:H	15	0.34
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD11	4	0.34
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD12	4	0.34
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD13	4	0.34
(1,9)	1:431:A:VAL:H	1:432:A:ILE:H	17	0.34
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD11	1	0.34
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD12	1	0.34
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD13	1	0.34
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD11	18	0.34
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD12	18	0.34
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD13	18	0.34
(1,5)	1:469:A:PHE:HB2	1:470:A:GLN:H	10	0.34
(1,5)	1:469:A:PHE:HB2	1:470:A:GLN:H	16	0.34
(1,4)	1:469:A:PHE:HB3	1:470:A:GLN:H	16	0.34
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG21	3	0.33
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG22	3	0.33
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG23	3	0.33
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG11	10	0.33
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG12	10	0.33
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG13	10	0.33
(1,1493)	1:455:A:ASN:HB3	1:457:A:VAL:HB	6	0.33
(1,1492)	1:461:A:ALA:HB1	1:462:A:ALA:HA	11	0.33
(1,1492)	1:461:A:ALA:HB2	1:462:A:ALA:HA	11	0.33
(1,1492)	1:461:A:ALA:HB3	1:462:A:ALA:HA	11	0.33
(1,1492)	1:461:A:ALA:HB1	1:462:A:ALA:HA	12	0.33
(1,1492)	1:461:A:ALA:HB2	1:462:A:ALA:HA	12	0.33
(1,1492)	1:461:A:ALA:HB3	1:462:A:ALA:HA	12	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG21	6	0.33
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG22	6	0.33
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG23	6	0.33
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG21	6	0.33
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG22	6	0.33
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG23	6	0.33
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG21	6	0.33
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG22	6	0.33
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG23	6	0.33
(1,1468)	1:484:A:LYS:HA	1:485:A:ASN:HA	5	0.33
(1,1453)	1:433:A:SER:HA	1:434:A:ALA:HA	13	0.33
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD11	19	0.33
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD12	19	0.33
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD13	19	0.33
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	9	0.33
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	9	0.33
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	9	0.33
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	9	0.33
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	9	0.33
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	9	0.33
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD11	10	0.33
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD12	10	0.33
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD13	10	0.33
(1,1404)	1:420:A:ASP:HB2	1:423:A:GLN:HA	20	0.33
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB1	7	0.33
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB2	7	0.33
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB3	7	0.33
(1,1352)	1:412:A:LEU:HG	1:417:A:GLY:HA3	17	0.33
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	20	0.33
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	20	0.33
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	20	0.33
(1,1314)	1:429:A:GLY:HA2	1:430:A:ASN:HA	17	0.33
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG21	9	0.33
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG22	9	0.33
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG23	9	0.33
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG21	8	0.33
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG22	8	0.33
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG23	8	0.33
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD11	6	0.33
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD12	6	0.33
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD13	6	0.33
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD21	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD22	6	0.33
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD23	6	0.33
(1,1267)	1:412:A:LEU:HD11	1:414:A:GLN:HB3	11	0.33
(1,1267)	1:412:A:LEU:HD12	1:414:A:GLN:HB3	11	0.33
(1,1267)	1:412:A:LEU:HD13	1:414:A:GLN:HB3	11	0.33
(1,1267)	1:412:A:LEU:HD21	1:414:A:GLN:HB3	11	0.33
(1,1267)	1:412:A:LEU:HD22	1:414:A:GLN:HB3	11	0.33
(1,1267)	1:412:A:LEU:HD23	1:414:A:GLN:HB3	11	0.33
(1,1248)	1:404:A:GLY:HA3	1:480:A:LEU:HG	9	0.33
(1,1248)	1:404:A:GLY:HA3	1:480:A:LEU:HG	13	0.33
(1,1227)	1:412:A:LEU:HG	1:413:A:PRO:HG2	18	0.33
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	9	0.33
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	9	0.33
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	9	0.33
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	9	0.33
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	9	0.33
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	9	0.33
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	18	0.33
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	18	0.33
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	18	0.33
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	18	0.33
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	18	0.33
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	18	0.33
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	20	0.33
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	20	0.33
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	20	0.33
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	20	0.33
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	20	0.33
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	20	0.33
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD1	13	0.33
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD2	13	0.33
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	13	0.33
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	13	0.33
(1,1207)	1:421:A:ILE:HG12	1:425:A:PHE:HD1	12	0.33
(1,1207)	1:421:A:ILE:HG12	1:425:A:PHE:HD2	12	0.33
(1,1161)	1:459:A:ALA:HA	1:461:A:ALA:H	19	0.33
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG2	15	0.33
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG3	15	0.33
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG2	15	0.33
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG3	15	0.33
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG2	15	0.33
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG3	15	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG2	17	0.33
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG3	17	0.33
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG2	17	0.33
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG3	17	0.33
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG2	17	0.33
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG3	17	0.33
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB2	14	0.33
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB3	14	0.33
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB2	14	0.33
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB3	14	0.33
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB2	19	0.33
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB3	19	0.33
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB2	19	0.33
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB3	19	0.33
(1,1105)	1:463:A:ILE:HA	1:478:A:VAL:HB	9	0.33
(1,1105)	1:463:A:ILE:HA	1:478:A:VAL:HB	14	0.33
(1,1085)	1:403:A:GLU:HG2	1:404:A:GLY:H	2	0.33
(1,1084)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	7	0.33
(1,1084)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	12	0.33
(1,1084)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	13	0.33
(1,1084)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	20	0.33
(1,1077)	1:413:A:PRO:HB2	1:414:A:GLN:HA	2	0.33
(1,1077)	1:413:A:PRO:HB3	1:414:A:GLN:HA	2	0.33
(1,1077)	1:413:A:PRO:HB2	1:414:A:GLN:HA	8	0.33
(1,1077)	1:413:A:PRO:HB3	1:414:A:GLN:HA	8	0.33
(1,1071)	1:432:A:ILE:HD11	1:454:A:ASP:HB2	17	0.33
(1,1071)	1:432:A:ILE:HD12	1:454:A:ASP:HB2	17	0.33
(1,1071)	1:432:A:ILE:HD13	1:454:A:ASP:HB2	17	0.33
(1,1066)	1:414:A:GLN:HA	1:415:A:GLU:HA	15	0.33
(1,1052)	1:400:A:GLU:HG3	1:401:A:GLY:H	20	0.33
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD11	13	0.33
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD12	13	0.33
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD13	13	0.33
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD11	12	0.33
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD12	12	0.33
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD13	12	0.33
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD11	12	0.33
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD12	12	0.33
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD13	12	0.33
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD11	12	0.33
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD12	12	0.33
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD13	12	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD11	12	0.33
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD12	12	0.33
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD13	12	0.33
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD11	12	0.33
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD12	12	0.33
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD13	12	0.33
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD11	12	0.33
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD12	12	0.33
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD13	12	0.33
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD11	5	0.33
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD12	5	0.33
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD13	5	0.33
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD11	10	0.33
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD12	10	0.33
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD13	10	0.33
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD11	11	0.33
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD12	11	0.33
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD13	11	0.33
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD11	19	0.33
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD12	19	0.33
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD13	19	0.33
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB1	6	0.33
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB2	6	0.33
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB3	6	0.33
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB1	6	0.33
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB2	6	0.33
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB3	6	0.33
(1,949)	1:461:A:ALA:HB1	1:462:A:ALA:HA	11	0.33
(1,949)	1:461:A:ALA:HB2	1:462:A:ALA:HA	11	0.33
(1,949)	1:461:A:ALA:HB3	1:462:A:ALA:HA	11	0.33
(1,949)	1:461:A:ALA:HB1	1:462:A:ALA:HA	12	0.33
(1,949)	1:461:A:ALA:HB2	1:462:A:ALA:HA	12	0.33
(1,949)	1:461:A:ALA:HB3	1:462:A:ALA:HA	12	0.33
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG2	15	0.33
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG3	15	0.33
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG2	15	0.33
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG3	15	0.33
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG2	15	0.33
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG3	15	0.33
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG2	17	0.33
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG3	17	0.33
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG2	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG3	17	0.33
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG2	17	0.33
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG3	17	0.33
(1,912)	1:435:A:LYS:HE2	1:438:A:ILE:H	6	0.33
(1,912)	1:435:A:LYS:HE3	1:438:A:ILE:H	6	0.33
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	7	0.33
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	7	0.33
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	6	0.33
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	6	0.33
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	6	0.33
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	6	0.33
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	6	0.33
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	6	0.33
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	6	0.33
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	6	0.33
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	6	0.33
(1,885)	1:433:A:SER:HB2	1:434:A:ALA:H	4	0.33
(1,885)	1:433:A:SER:HB2	1:434:A:ALA:H	5	0.33
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB2	14	0.33
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB3	14	0.33
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB2	17	0.33
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB3	17	0.33
(1,874)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	19	0.33
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	20	0.33
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	20	0.33
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	20	0.33
(1,828)	1:401:A:GLY:HA2	1:402:A:PRO:HG3	17	0.33
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB1	7	0.33
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB2	7	0.33
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB3	7	0.33
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB1	10	0.33
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB2	10	0.33
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB3	10	0.33
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	9	0.33
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	9	0.33
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	9	0.33
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	9	0.33
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	9	0.33
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	9	0.33
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	18	0.33
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	18	0.33
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	18	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	18	0.33
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	18	0.33
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	18	0.33
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	20	0.33
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	20	0.33
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	20	0.33
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	20	0.33
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	20	0.33
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	20	0.33
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB1	18	0.33
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB2	18	0.33
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB3	18	0.33
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	6	0.33
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	6	0.33
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	6	0.33
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	6	0.33
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	6	0.33
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	6	0.33
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	6	0.33
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	6	0.33
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	6	0.33
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	7	0.33
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	7	0.33
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	7	0.33
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	7	0.33
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	7	0.33
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	7	0.33
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	7	0.33
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	7	0.33
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	7	0.33
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB2	10	0.33
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB3	10	0.33
(1,763)	1:457:A:VAL:HG11	1:459:A:ALA:H	8	0.33
(1,763)	1:457:A:VAL:HG12	1:459:A:ALA:H	8	0.33
(1,763)	1:457:A:VAL:HG13	1:459:A:ALA:H	8	0.33
(1,763)	1:457:A:VAL:HG21	1:459:A:ALA:H	8	0.33
(1,763)	1:457:A:VAL:HG22	1:459:A:ALA:H	8	0.33
(1,763)	1:457:A:VAL:HG23	1:459:A:ALA:H	8	0.33
(1,763)	1:457:A:VAL:HG11	1:459:A:ALA:H	9	0.33
(1,763)	1:457:A:VAL:HG12	1:459:A:ALA:H	9	0.33
(1,763)	1:457:A:VAL:HG13	1:459:A:ALA:H	9	0.33
(1,763)	1:457:A:VAL:HG21	1:459:A:ALA:H	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:457:A:VAL:HG22	1:459:A:ALA:H	9	0.33
(1,763)	1:457:A:VAL:HG23	1:459:A:ALA:H	9	0.33
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG11	10	0.33
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG12	10	0.33
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG13	10	0.33
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD1	5	0.33
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD2	5	0.33
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD11	5	0.33
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD12	5	0.33
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD13	5	0.33
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD21	5	0.33
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD22	5	0.33
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD23	5	0.33
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG21	7	0.33
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG22	7	0.33
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG23	7	0.33
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	15	0.33
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	15	0.33
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	15	0.33
(1,692)	1:471:A:ILE:HA	1:472:A:GLY:HA2	5	0.33
(1,692)	1:471:A:ILE:HA	1:472:A:GLY:HA2	6	0.33
(1,692)	1:471:A:ILE:HA	1:472:A:GLY:HA2	10	0.33
(1,692)	1:471:A:ILE:HA	1:472:A:GLY:HA2	19	0.33
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG2	8	0.33
(1,687)	1:484:A:LYS:H	1:484:A:LYS:HG3	8	0.33
(1,684)	1:399:A:LYS:HG2	1:400:A:GLU:H	11	0.33
(1,684)	1:399:A:LYS:HG3	1:400:A:GLU:H	11	0.33
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB2	17	0.33
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB3	17	0.33
(1,667)	1:473:A:MET:HG2	1:474:A:LYS:HG2	2	0.33
(1,667)	1:473:A:MET:HG2	1:474:A:LYS:HG2	12	0.33
(1,655)	1:474:A:LYS:H	1:474:A:LYS:HG3	11	0.33
(1,634)	1:469:A:PHE:HE1	1:476:A:LEU:HG	1	0.33
(1,634)	1:469:A:PHE:HE2	1:476:A:LEU:HG	1	0.33
(1,615)	1:407:A:LEU:HG	1:462:A:ALA:H	17	0.33
(1,612)	1:407:A:LEU:HG	1:451:A:VAL:H	13	0.33
(1,612)	1:407:A:LEU:HG	1:451:A:VAL:H	19	0.33
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD1	14	0.33
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD2	14	0.33
(1,608)	1:410:A:TYR:HA	1:411:A:HIS:HB2	6	0.33
(1,587)	1:449:A:GLY:H	1:450:A:PHE:H	12	0.33
(1,587)	1:449:A:GLY:H	1:450:A:PHE:H	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,581)	1:401:A:GLY:H	1:452:A:SER:HB3	8	0.33
(1,573)	1:463:A:ILE:HA	1:466:A:MET:H	13	0.33
(1,539)	1:453:A:TYR:HB2	1:454:A:ASP:H	11	0.33
(1,537)	1:430:A:ASN:HA	1:454:A:ASP:H	11	0.33
(1,520)	1:433:A:SER:H	1:453:A:TYR:HA	18	0.33
(1,517)	1:430:A:ASN:HD22	1:431:A:VAL:H	16	0.33
(1,501)	1:467:A:ASN:H	1:467:A:ASN:HD21	20	0.33
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB1	16	0.33
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB2	16	0.33
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB3	16	0.33
(1,468)	1:421:A:ILE:HG21	1:423:A:GLN:H	4	0.33
(1,468)	1:421:A:ILE:HG22	1:423:A:GLN:H	4	0.33
(1,468)	1:421:A:ILE:HG23	1:423:A:GLN:H	4	0.33
(1,466)	1:422:A:LEU:HB2	1:423:A:GLN:H	14	0.33
(1,438)	1:420:A:ASP:HB3	1:421:A:ILE:H	9	0.33
(1,408)	1:420:A:ASP:H	1:422:A:LEU:H	7	0.33
(1,408)	1:420:A:ASP:H	1:422:A:LEU:H	20	0.33
(1,397)	1:430:A:ASN:H	1:458:A:SER:HB3	3	0.33
(1,369)	1:482:A:ARG:HB3	1:483:A:SER:H	2	0.33
(1,369)	1:482:A:ARG:HB3	1:483:A:SER:H	7	0.33
(1,369)	1:482:A:ARG:HB3	1:483:A:SER:H	15	0.33
(1,369)	1:482:A:ARG:HB3	1:483:A:SER:H	17	0.33
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG21	7	0.33
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG22	7	0.33
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG23	7	0.33
(1,340)	1:465:A:ALA:H	1:467:A:ASN:H	7	0.33
(1,317)	1:473:A:MET:HB3	1:474:A:LYS:H	10	0.33
(1,307)	1:474:A:LYS:H	1:475:A:ARG:H	1	0.33
(1,304)	1:405:A:ALA:H	1:406:A:ASN:HD22	19	0.33
(1,299)	1:403:A:GLU:HA	1:405:A:ALA:H	10	0.33
(1,296)	1:450:A:PHE:H	1:451:A:VAL:H	1	0.33
(1,286)	1:435:A:LYS:H	1:450:A:PHE:H	7	0.33
(1,285)	1:449:A:GLY:H	1:450:A:PHE:H	12	0.33
(1,285)	1:449:A:GLY:H	1:450:A:PHE:H	14	0.33
(1,284)	1:450:A:PHE:H	1:450:A:PHE:HE1	11	0.33
(1,284)	1:450:A:PHE:H	1:450:A:PHE:HE2	11	0.33
(1,281)	1:455:A:ASN:HB3	1:459:A:ALA:H	7	0.33
(1,263)	1:408:A:PHE:HD1	1:409:A:ILE:H	9	0.33
(1,263)	1:408:A:PHE:HD2	1:409:A:ILE:H	9	0.33
(1,242)	1:399:A:LYS:HG2	1:400:A:GLU:H	11	0.33
(1,242)	1:399:A:LYS:HG3	1:400:A:GLU:H	11	0.33
(1,221)	1:407:A:LEU:HG	1:462:A:ALA:H	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,209)	1:418:A:ASP:H	1:420:A:ASP:HB3	10	0.33
(1,207)	1:417:A:GLY:H	1:418:A:ASP:H	2	0.33
(1,206)	1:412:A:LEU:HD11	1:416:A:PHE:H	15	0.33
(1,206)	1:412:A:LEU:HD12	1:416:A:PHE:H	15	0.33
(1,206)	1:412:A:LEU:HD13	1:416:A:PHE:H	15	0.33
(1,206)	1:412:A:LEU:HD21	1:416:A:PHE:H	15	0.33
(1,206)	1:412:A:LEU:HD22	1:416:A:PHE:H	15	0.33
(1,206)	1:412:A:LEU:HD23	1:416:A:PHE:H	15	0.33
(1,205)	1:415:A:GLU:HG2	1:416:A:PHE:H	9	0.33
(1,205)	1:415:A:GLU:HG3	1:416:A:PHE:H	9	0.33
(1,187)	1:460:A:GLN:HG2	1:461:A:ALA:H	10	0.33
(1,187)	1:460:A:GLN:HG3	1:461:A:ALA:H	10	0.33
(1,186)	1:459:A:ALA:HA	1:461:A:ALA:H	19	0.33
(1,181)	1:418:A:ASP:HB2	1:422:A:LEU:H	20	0.33
(1,171)	1:483:A:SER:H	1:484:A:LYS:H	4	0.33
(1,157)	1:406:A:ASN:HB2	1:407:A:LEU:H	13	0.33
(1,148)	1:407:A:LEU:H	1:408:A:PHE:H	9	0.33
(1,144)	1:410:A:TYR:H	1:477:A:LYS:HB2	17	0.33
(1,144)	1:410:A:TYR:H	1:477:A:LYS:HB3	17	0.33
(1,138)	1:410:A:TYR:H	1:411:A:HIS:H	5	0.33
(1,138)	1:410:A:TYR:H	1:411:A:HIS:H	14	0.33
(1,100)	1:450:A:PHE:HD1	1:451:A:VAL:H	11	0.33
(1,100)	1:450:A:PHE:HD2	1:451:A:VAL:H	11	0.33
(1,94)	1:451:A:VAL:H	1:452:A:SER:H	2	0.33
(1,94)	1:451:A:VAL:H	1:452:A:SER:H	9	0.33
(1,94)	1:451:A:VAL:H	1:452:A:SER:H	10	0.33
(1,94)	1:451:A:VAL:H	1:452:A:SER:H	15	0.33
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG21	7	0.33
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG22	7	0.33
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG23	7	0.33
(1,54)	1:470:A:GLN:H	1:471:A:ILE:H	5	0.33
(1,49)	1:439:A:ASP:H	1:444:A:LEU:HB3	6	0.33
(1,28)	1:439:A:ASP:HB2	1:440:A:LYS:H	11	0.33
(1,28)	1:439:A:ASP:HB2	1:440:A:LYS:H	15	0.33
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD11	13	0.33
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD12	13	0.33
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD13	13	0.33
(1,4)	1:469:A:PHE:HB3	1:470:A:GLN:H	8	0.33
(1,4)	1:469:A:PHE:HB3	1:470:A:GLN:H	13	0.33
(1,4)	1:469:A:PHE:HB3	1:470:A:GLN:H	14	0.33
(1,4)	1:469:A:PHE:HB3	1:470:A:GLN:H	19	0.33
(1,1601)	1:407:A:LEU:HG	1:453:A:TYR:HE1	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1601)	1:407:A:LEU:HG	1:453:A:TYR:HE2	11	0.32
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE1	8	0.32
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE2	8	0.32
(1,1587)	1:412:A:LEU:HG	1:416:A:PHE:HD1	17	0.32
(1,1587)	1:412:A:LEU:HG	1:416:A:PHE:HD2	17	0.32
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD1	9	0.32
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD2	9	0.32
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD1	9	0.32
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD2	9	0.32
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD1	9	0.32
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD2	9	0.32
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD1	9	0.32
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD2	9	0.32
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD1	9	0.32
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD2	9	0.32
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD1	9	0.32
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD2	9	0.32
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD1	15	0.32
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD2	15	0.32
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD1	15	0.32
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD2	15	0.32
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD1	15	0.32
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD2	15	0.32
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD1	15	0.32
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD2	15	0.32
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD1	15	0.32
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD2	15	0.32
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD1	15	0.32
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD2	15	0.32
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD1	4	0.32
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD2	4	0.32
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB1	15	0.32
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB2	15	0.32
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB3	15	0.32
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB1	15	0.32
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB2	15	0.32
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB3	15	0.32
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE1	7	0.32
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE2	7	0.32
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	1	0.32
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	1	0.32
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD1	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD2	3	0.32
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD1	3	0.32
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD2	3	0.32
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD1	3	0.32
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD2	3	0.32
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD1	13	0.32
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD2	13	0.32
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	7	0.32
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	7	0.32
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	7	0.32
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	7	0.32
(1,1526)	1:422:A:LEU:HB3	1:423:A:GLN:HB2	12	0.32
(1,1526)	1:422:A:LEU:HB3	1:423:A:GLN:HB3	12	0.32
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG21	10	0.32
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG22	10	0.32
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG23	10	0.32
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG21	8	0.32
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG22	8	0.32
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG23	8	0.32
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG21	20	0.32
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG22	20	0.32
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG23	20	0.32
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD11	18	0.32
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD12	18	0.32
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD13	18	0.32
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD11	20	0.32
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD12	20	0.32
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD13	20	0.32
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB2	5	0.32
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB3	5	0.32
(1,1493)	1:455:A:ASN:HB3	1:457:A:VAL:HB	12	0.32
(1,1492)	1:461:A:ALA:HB1	1:462:A:ALA:HA	1	0.32
(1,1492)	1:461:A:ALA:HB2	1:462:A:ALA:HA	1	0.32
(1,1492)	1:461:A:ALA:HB3	1:462:A:ALA:HA	1	0.32
(1,1477)	1:481:A:LYS:HA	1:481:A:LYS:HE2	20	0.32
(1,1477)	1:481:A:LYS:HA	1:481:A:LYS:HE3	20	0.32
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	12	0.32
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	12	0.32
(1,1453)	1:433:A:SER:HA	1:434:A:ALA:HA	10	0.32
(1,1433)	1:422:A:LEU:HA	1:426:A:MET:HA	15	0.32
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	2	0.32
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	2	0.32
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	2	0.32
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	2	0.32
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	2	0.32
(1,1415)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	17	0.32
(1,1415)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	17	0.32
(1,1415)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	17	0.32
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	12	0.32
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	12	0.32
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	12	0.32
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	12	0.32
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	12	0.32
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	12	0.32
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	12	0.32
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	12	0.32
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	12	0.32
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	12	0.32
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	12	0.32
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	12	0.32
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	12	0.32
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	12	0.32
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	12	0.32
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	12	0.32
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	12	0.32
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	12	0.32
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	20	0.32
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	20	0.32
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	20	0.32
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	20	0.32
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	20	0.32
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	20	0.32
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	20	0.32
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	20	0.32
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	20	0.32
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	20	0.32
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	20	0.32
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	20	0.32
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	20	0.32
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	20	0.32
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	20	0.32
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	20	0.32
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	20	0.32
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD11	20	0.32
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD12	20	0.32
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD13	20	0.32
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	19	0.32
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	19	0.32
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	19	0.32
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	19	0.32
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	19	0.32
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	19	0.32
(1,1395)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	17	0.32
(1,1395)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	17	0.32
(1,1395)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	17	0.32
(1,1393)	1:432:A:ILE:HG21	1:433:A:SER:HB2	15	0.32
(1,1393)	1:432:A:ILE:HG22	1:433:A:SER:HB2	15	0.32
(1,1393)	1:432:A:ILE:HG23	1:433:A:SER:HB2	15	0.32
(1,1387)	1:409:A:ILE:HB	1:449:A:GLY:HA3	1	0.32
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	7	0.32
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	7	0.32
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	7	0.32
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	7	0.32
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	7	0.32
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	7	0.32
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	7	0.32
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	7	0.32
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	7	0.32
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD11	2	0.32
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD12	2	0.32
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD13	2	0.32
(1,1356)	1:482:A:ARG:HD2	1:483:A:SER:HA	7	0.32
(1,1356)	1:482:A:ARG:HD3	1:483:A:SER:HA	7	0.32
(1,1352)	1:412:A:LEU:HG	1:417:A:GLY:HA3	10	0.32
(1,1352)	1:412:A:LEU:HG	1:417:A:GLY:HA3	16	0.32
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD2	11	0.32
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD3	11	0.32
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD2	11	0.32
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD3	11	0.32
(1,1347)	1:475:A:ARG:HA	1:475:A:ARG:HD3	10	0.32
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	7	0.32
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	7	0.32
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	7	0.32
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	7	0.32
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	7	0.32
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	7	0.32
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	7	0.32
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	7	0.32
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB1	10	0.32
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB2	10	0.32
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB3	10	0.32
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG11	1	0.32
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG12	1	0.32
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG13	1	0.32
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	9	0.32
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	9	0.32
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	9	0.32
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	1	0.32
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	1	0.32
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	1	0.32
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	16	0.32
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	16	0.32
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	16	0.32
(1,1267)	1:412:A:LEU:HD11	1:414:A:GLN:HB3	7	0.32
(1,1267)	1:412:A:LEU:HD12	1:414:A:GLN:HB3	7	0.32
(1,1267)	1:412:A:LEU:HD13	1:414:A:GLN:HB3	7	0.32
(1,1267)	1:412:A:LEU:HD21	1:414:A:GLN:HB3	7	0.32
(1,1267)	1:412:A:LEU:HD22	1:414:A:GLN:HB3	7	0.32
(1,1267)	1:412:A:LEU:HD23	1:414:A:GLN:HB3	7	0.32
(1,1243)	1:407:A:LEU:HG	1:459:A:ALA:HA	16	0.32
(1,1227)	1:412:A:LEU:HG	1:413:A:PRO:HG2	13	0.32
(1,1227)	1:412:A:LEU:HG	1:413:A:PRO:HG2	16	0.32
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	4	0.32
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	4	0.32
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	4	0.32
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	4	0.32
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	4	0.32
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	4	0.32
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	5	0.32
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	5	0.32
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	5	0.32
(1,1193)	1:406:A:ASN:HA	1:453:A:TYR:H	15	0.32
(1,1176)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	11	0.32
(1,1176)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	11	0.32
(1,1176)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1176)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	11	0.32
(1,1174)	1:439:A:ASP:HA	1:442:A:THR:H	8	0.32
(1,1165)	1:407:A:LEU:HG	1:459:A:ALA:HA	16	0.32
(1,1161)	1:459:A:ALA:HA	1:461:A:ALA:H	2	0.32
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB2	7	0.32
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB3	7	0.32
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB2	7	0.32
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB3	7	0.32
(1,1147)	1:424:A:MET:HG2	1:425:A:PHE:H	12	0.32
(1,1147)	1:424:A:MET:HG3	1:425:A:PHE:H	12	0.32
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG2	11	0.32
(1,1141)	1:423:A:GLN:HA	1:426:A:MET:HG3	11	0.32
(1,1127)	1:467:A:ASN:HA	1:469:A:PHE:H	4	0.32
(1,1122)	1:408:A:PHE:HA	1:449:A:GLY:H	4	0.32
(1,1105)	1:463:A:ILE:HA	1:478:A:VAL:HB	15	0.32
(1,1097)	1:441:A:GLN:HA	1:444:A:LEU:H	12	0.32
(1,1082)	1:422:A:LEU:HA	1:425:A:PHE:HB2	2	0.32
(1,1079)	1:423:A:GLN:HA	1:426:A:MET:H	17	0.32
(1,1077)	1:413:A:PRO:HB2	1:414:A:GLN:HA	10	0.32
(1,1077)	1:413:A:PRO:HB3	1:414:A:GLN:HA	10	0.32
(1,1077)	1:413:A:PRO:HB2	1:414:A:GLN:HA	16	0.32
(1,1077)	1:413:A:PRO:HB3	1:414:A:GLN:HA	16	0.32
(1,1073)	1:432:A:ILE:HD11	1:454:A:ASP:H	13	0.32
(1,1073)	1:432:A:ILE:HD12	1:454:A:ASP:H	13	0.32
(1,1073)	1:432:A:ILE:HD13	1:454:A:ASP:H	13	0.32
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	9	0.32
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	9	0.32
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	9	0.32
(1,998)	1:485:A:ASN:HB3	1:486:A:ASP:H	2	0.32
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	8	0.32
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	8	0.32
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	8	0.32
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	8	0.32
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	8	0.32
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	8	0.32
(1,982)	1:437:A:PHE:HB2	1:438:A:ILE:HB	11	0.32
(1,982)	1:437:A:PHE:HB2	1:438:A:ILE:HB	12	0.32
(1,949)	1:461:A:ALA:HB1	1:462:A:ALA:HA	1	0.32
(1,949)	1:461:A:ALA:HB2	1:462:A:ALA:HA	1	0.32
(1,949)	1:461:A:ALA:HB3	1:462:A:ALA:HA	1	0.32
(1,922)	1:455:A:ASN:HB3	1:458:A:SER:H	7	0.32
(1,889)	1:439:A:ASP:HB2	1:444:A:LEU:HB3	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,883)	1:453:A:TYR:HB3	1:454:A:ASP:H	3	0.32
(1,868)	1:411:A:HIS:HB2	1:475:A:ARG:HD2	15	0.32
(1,868)	1:411:A:HIS:HB2	1:475:A:ARG:HD3	15	0.32
(1,861)	1:452:A:SER:HB2	1:453:A:TYR:H	1	0.32
(1,861)	1:452:A:SER:HB2	1:453:A:TYR:H	12	0.32
(1,850)	1:405:A:ALA:HB1	1:406:A:ASN:HD22	8	0.32
(1,850)	1:405:A:ALA:HB2	1:406:A:ASN:HD22	8	0.32
(1,850)	1:405:A:ALA:HB3	1:406:A:ASN:HD22	8	0.32
(1,850)	1:405:A:ALA:HB1	1:406:A:ASN:HD22	20	0.32
(1,850)	1:405:A:ALA:HB2	1:406:A:ASN:HD22	20	0.32
(1,850)	1:405:A:ALA:HB3	1:406:A:ASN:HD22	20	0.32
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG11	8	0.32
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG12	8	0.32
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG13	8	0.32
(1,831)	1:450:A:PHE:HB3	1:451:A:VAL:HB	20	0.32
(1,828)	1:401:A:GLY:HA2	1:402:A:PRO:HG3	9	0.32
(1,828)	1:401:A:GLY:HA2	1:402:A:PRO:HG3	16	0.32
(1,820)	1:431:A:VAL:HG21	1:434:A:ALA:HB1	11	0.32
(1,820)	1:431:A:VAL:HG21	1:434:A:ALA:HB2	11	0.32
(1,820)	1:431:A:VAL:HG21	1:434:A:ALA:HB3	11	0.32
(1,820)	1:431:A:VAL:HG22	1:434:A:ALA:HB1	11	0.32
(1,820)	1:431:A:VAL:HG22	1:434:A:ALA:HB2	11	0.32
(1,820)	1:431:A:VAL:HG22	1:434:A:ALA:HB3	11	0.32
(1,820)	1:431:A:VAL:HG23	1:434:A:ALA:HB1	11	0.32
(1,820)	1:431:A:VAL:HG23	1:434:A:ALA:HB2	11	0.32
(1,820)	1:431:A:VAL:HG23	1:434:A:ALA:HB3	11	0.32
(1,817)	1:431:A:VAL:HB	1:434:A:ALA:HB1	16	0.32
(1,817)	1:431:A:VAL:HB	1:434:A:ALA:HB2	16	0.32
(1,817)	1:431:A:VAL:HB	1:434:A:ALA:HB3	16	0.32
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB1	10	0.32
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB2	10	0.32
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB3	10	0.32
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	4	0.32
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	4	0.32
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	4	0.32
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	4	0.32
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	4	0.32
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	4	0.32
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG11	16	0.32
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG12	16	0.32
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG13	16	0.32
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	14	0.32
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	14	0.32
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG21	10	0.32
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG22	10	0.32
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG23	10	0.32
(1,776)	1:435:A:LYS:H	1:451:A:VAL:HG21	19	0.32
(1,776)	1:435:A:LYS:H	1:451:A:VAL:HG22	19	0.32
(1,776)	1:435:A:LYS:H	1:451:A:VAL:HG23	19	0.32
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB2	3	0.32
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB3	3	0.32
(1,763)	1:457:A:VAL:HG11	1:459:A:ALA:H	10	0.32
(1,763)	1:457:A:VAL:HG12	1:459:A:ALA:H	10	0.32
(1,763)	1:457:A:VAL:HG13	1:459:A:ALA:H	10	0.32
(1,763)	1:457:A:VAL:HG21	1:459:A:ALA:H	10	0.32
(1,763)	1:457:A:VAL:HG22	1:459:A:ALA:H	10	0.32
(1,763)	1:457:A:VAL:HG23	1:459:A:ALA:H	10	0.32
(1,752)	1:436:A:VAL:HG21	1:437:A:PHE:H	17	0.32
(1,752)	1:436:A:VAL:HG22	1:437:A:PHE:H	17	0.32
(1,752)	1:436:A:VAL:HG23	1:437:A:PHE:H	17	0.32
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	17	0.32
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	17	0.32
(1,725)	1:407:A:LEU:HB3	1:425:A:PHE:HD1	19	0.32
(1,725)	1:407:A:LEU:HB3	1:425:A:PHE:HD2	19	0.32
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG21	18	0.32
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG22	18	0.32
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG23	18	0.32
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	12	0.32
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	12	0.32
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	12	0.32
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	12	0.32
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	12	0.32
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	12	0.32
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	12	0.32
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	12	0.32
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	12	0.32
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	12	0.32
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	12	0.32
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	12	0.32
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	12	0.32
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	12	0.32
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	12	0.32
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	12	0.32
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	12	0.32
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	20	0.32
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	20	0.32
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	20	0.32
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	20	0.32
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	20	0.32
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	20	0.32
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	20	0.32
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	20	0.32
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	20	0.32
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	20	0.32
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	20	0.32
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	20	0.32
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	20	0.32
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	20	0.32
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	20	0.32
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	20	0.32
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	20	0.32
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	20	0.32
(1,692)	1:471:A:ILE:HA	1:472:A:GLY:HA2	2	0.32
(1,692)	1:471:A:ILE:HA	1:472:A:GLY:HA2	14	0.32
(1,692)	1:471:A:ILE:HA	1:472:A:GLY:HA2	20	0.32
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD11	14	0.32
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD12	14	0.32
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD13	14	0.32
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD21	14	0.32
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD22	14	0.32
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD23	14	0.32
(1,673)	1:412:A:LEU:HG	1:416:A:PHE:HD1	17	0.32
(1,673)	1:412:A:LEU:HG	1:416:A:PHE:HD2	17	0.32
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB2	3	0.32
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB3	3	0.32
(1,667)	1:473:A:MET:HG2	1:474:A:LYS:HG2	3	0.32
(1,667)	1:473:A:MET:HG2	1:474:A:LYS:HG2	9	0.32
(1,659)	1:480:A:LEU:HG	1:481:A:LYS:H	12	0.32
(1,655)	1:474:A:LYS:H	1:474:A:LYS:HG3	7	0.32
(1,624)	1:402:A:PRO:HD2	1:403:A:GLU:HB2	20	0.32
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	12	0.32
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	12	0.32
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	12	0.32
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	12	0.32
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	12	0.32
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG11	13	0.32
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG12	13	0.32
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG13	13	0.32
(1,612)	1:407:A:LEU:HG	1:451:A:VAL:H	3	0.32
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD1	20	0.32
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD2	20	0.32
(1,608)	1:410:A:TYR:HA	1:411:A:HIS:HB2	13	0.32
(1,602)	1:428:A:PHE:HB3	1:429:A:GLY:H	7	0.32
(1,598)	1:429:A:GLY:H	1:430:A:ASN:H	2	0.32
(1,598)	1:429:A:GLY:H	1:430:A:ASN:H	4	0.32
(1,580)	1:401:A:GLY:H	1:406:A:ASN:HD21	12	0.32
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG21	15	0.32
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG22	15	0.32
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG23	15	0.32
(1,542)	1:453:A:TYR:HB3	1:454:A:ASP:H	3	0.32
(1,539)	1:453:A:TYR:HB2	1:454:A:ASP:H	16	0.32
(1,539)	1:453:A:TYR:HB2	1:454:A:ASP:H	17	0.32
(1,518)	1:430:A:ASN:HA	1:430:A:ASN:HD22	20	0.32
(1,490)	1:406:A:ASN:H	1:406:A:ASN:HD21	11	0.32
(1,483)	1:406:A:ASN:H	1:406:A:ASN:HD22	8	0.32
(1,473)	1:444:A:LEU:H	1:445:A:SER:H	16	0.32
(1,468)	1:421:A:ILE:HG21	1:423:A:GLN:H	16	0.32
(1,468)	1:421:A:ILE:HG22	1:423:A:GLN:H	16	0.32
(1,468)	1:421:A:ILE:HG23	1:423:A:GLN:H	16	0.32
(1,468)	1:421:A:ILE:HG21	1:423:A:GLN:H	19	0.32
(1,468)	1:421:A:ILE:HG22	1:423:A:GLN:H	19	0.32
(1,468)	1:421:A:ILE:HG23	1:423:A:GLN:H	19	0.32
(1,466)	1:422:A:LEU:HB2	1:423:A:GLN:H	20	0.32
(1,456)	1:457:A:VAL:HA	1:460:A:GLN:H	11	0.32
(1,451)	1:460:A:GLN:H	1:480:A:LEU:HG	13	0.32
(1,451)	1:460:A:GLN:H	1:480:A:LEU:HG	19	0.32
(1,439)	1:421:A:ILE:H	1:421:A:ILE:HG13	12	0.32
(1,438)	1:420:A:ASP:HB3	1:421:A:ILE:H	15	0.32
(1,408)	1:420:A:ASP:H	1:422:A:LEU:H	13	0.32
(1,405)	1:471:A:ILE:HG12	1:472:A:GLY:H	5	0.32
(1,405)	1:471:A:ILE:HG13	1:472:A:GLY:H	5	0.32
(1,405)	1:471:A:ILE:HG12	1:472:A:GLY:H	12	0.32
(1,405)	1:471:A:ILE:HG13	1:472:A:GLY:H	12	0.32
(1,405)	1:471:A:ILE:HG12	1:472:A:GLY:H	15	0.32
(1,405)	1:471:A:ILE:HG13	1:472:A:GLY:H	15	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,405)	1:471:A:ILE:HG12	1:472:A:GLY:H	18	0.32
(1,405)	1:471:A:ILE:HG13	1:472:A:GLY:H	18	0.32
(1,376)	1:444:A:LEU:H	1:445:A:SER:H	16	0.32
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB1	1	0.32
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB2	1	0.32
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB3	1	0.32
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB1	13	0.32
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB2	13	0.32
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB3	13	0.32
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB1	14	0.32
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB2	14	0.32
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB3	14	0.32
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB1	18	0.32
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB2	18	0.32
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB3	18	0.32
(1,366)	1:467:A:ASN:HB3	1:468:A:GLY:H	20	0.32
(1,344)	1:467:A:ASN:H	1:468:A:GLY:H	3	0.32
(1,340)	1:465:A:ALA:H	1:467:A:ASN:H	9	0.32
(1,306)	1:475:A:ARG:H	1:476:A:LEU:H	4	0.32
(1,298)	1:405:A:ALA:H	1:453:A:TYR:HB3	3	0.32
(1,296)	1:450:A:PHE:H	1:451:A:VAL:H	3	0.32
(1,296)	1:450:A:PHE:H	1:451:A:VAL:H	6	0.32
(1,296)	1:450:A:PHE:H	1:451:A:VAL:H	7	0.32
(1,296)	1:450:A:PHE:H	1:451:A:VAL:H	17	0.32
(1,289)	1:435:A:LYS:HB2	1:450:A:PHE:H	13	0.32
(1,289)	1:435:A:LYS:HB3	1:450:A:PHE:H	13	0.32
(1,287)	1:436:A:VAL:HA	1:450:A:PHE:H	14	0.32
(1,281)	1:455:A:ASN:HB3	1:459:A:ALA:H	12	0.32
(1,280)	1:458:A:SER:HB2	1:459:A:ALA:H	8	0.32
(1,280)	1:458:A:SER:HB2	1:459:A:ALA:H	11	0.32
(1,270)	1:456:A:PRO:HD3	1:457:A:VAL:H	3	0.32
(1,251)	1:452:A:SER:HB2	1:453:A:TYR:H	1	0.32
(1,251)	1:452:A:SER:HB2	1:453:A:TYR:H	12	0.32
(1,245)	1:453:A:TYR:H	1:454:A:ASP:H	3	0.32
(1,245)	1:453:A:TYR:H	1:454:A:ASP:H	4	0.32
(1,227)	1:418:A:ASP:H	1:436:A:VAL:HB	6	0.32
(1,227)	1:418:A:ASP:H	1:436:A:VAL:HB	12	0.32
(1,207)	1:417:A:GLY:H	1:418:A:ASP:H	5	0.32
(1,186)	1:459:A:ALA:HA	1:461:A:ALA:H	2	0.32
(1,138)	1:410:A:TYR:H	1:411:A:HIS:H	12	0.32
(1,128)	1:467:A:ASN:HA	1:469:A:PHE:H	4	0.32
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG11	4	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG12	4	0.32
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG13	4	0.32
(1,105)	1:408:A:PHE:HB3	1:479:A:GLN:H	20	0.32
(1,103)	1:407:A:LEU:HG	1:479:A:GLN:H	4	0.32
(1,103)	1:407:A:LEU:HG	1:479:A:GLN:H	6	0.32
(1,103)	1:407:A:LEU:HG	1:479:A:GLN:H	7	0.32
(1,94)	1:451:A:VAL:H	1:452:A:SER:H	18	0.32
(1,84)	1:406:A:ASN:H	1:481:A:LYS:H	18	0.32
(1,79)	1:433:A:SER:H	1:434:A:ALA:H	10	0.32
(1,79)	1:433:A:SER:H	1:434:A:ALA:H	11	0.32
(1,76)	1:445:A:SER:H	1:446:A:LYS:H	4	0.32
(1,76)	1:445:A:SER:H	1:446:A:LYS:H	8	0.32
(1,71)	1:414:A:GLN:H	1:414:A:GLN:HG3	4	0.32
(1,71)	1:414:A:GLN:H	1:414:A:GLN:HG3	11	0.32
(1,60)	1:436:A:VAL:HG21	1:437:A:PHE:H	17	0.32
(1,60)	1:436:A:VAL:HG22	1:437:A:PHE:H	17	0.32
(1,60)	1:436:A:VAL:HG23	1:437:A:PHE:H	17	0.32
(1,54)	1:470:A:GLN:H	1:471:A:ILE:H	15	0.32
(1,54)	1:470:A:GLN:H	1:471:A:ILE:H	20	0.32
(1,29)	1:439:A:ASP:HB3	1:440:A:LYS:H	3	0.32
(1,22)	1:423:A:GLN:HA	1:426:A:MET:H	17	0.32
(1,13)	1:432:A:ILE:H	1:454:A:ASP:H	9	0.32
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD11	2	0.32
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD12	2	0.32
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD13	2	0.32
(1,5)	1:469:A:PHE:HB2	1:470:A:GLN:H	6	0.32
(1,5)	1:469:A:PHE:HB2	1:470:A:GLN:H	8	0.32
(1,5)	1:469:A:PHE:HB2	1:470:A:GLN:H	9	0.32
(1,5)	1:469:A:PHE:HB2	1:470:A:GLN:H	14	0.32
(1,4)	1:469:A:PHE:HB3	1:470:A:GLN:H	3	0.32
(1,4)	1:469:A:PHE:HB3	1:470:A:GLN:H	9	0.32
(1,1601)	1:407:A:LEU:HG	1:453:A:TYR:HE1	15	0.31
(1,1601)	1:407:A:LEU:HG	1:453:A:TYR:HE2	15	0.31
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD1	7	0.31
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD2	7	0.31
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD1	7	0.31
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD2	7	0.31
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD1	7	0.31
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD2	7	0.31
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD1	7	0.31
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD2	7	0.31
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD1	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD2	7	0.31
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD1	7	0.31
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD2	7	0.31
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	6	0.31
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	6	0.31
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	20	0.31
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	20	0.31
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	8	0.31
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	8	0.31
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	8	0.31
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	8	0.31
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	8	0.31
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	8	0.31
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	19	0.31
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	19	0.31
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	19	0.31
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	19	0.31
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	19	0.31
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	19	0.31
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	4	0.31
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	4	0.31
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	4	0.31
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	4	0.31
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG21	1	0.31
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG22	1	0.31
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG23	1	0.31
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG21	9	0.31
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG22	9	0.31
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG23	9	0.31
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD11	4	0.31
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD12	4	0.31
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD13	4	0.31
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD11	10	0.31
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD12	10	0.31
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD13	10	0.31
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD11	19	0.31
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD12	19	0.31
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD13	19	0.31
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB2	7	0.31
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB3	7	0.31
(1,1493)	1:455:A:ASN:HB3	1:457:A:VAL:HB	16	0.31
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG21	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG22	19	0.31
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG23	19	0.31
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG21	19	0.31
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG22	19	0.31
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG23	19	0.31
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD11	11	0.31
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD12	11	0.31
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD13	11	0.31
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD11	11	0.31
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD12	11	0.31
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD13	11	0.31
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	16	0.31
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	16	0.31
(1,1464)	1:431:A:VAL:HA	1:453:A:TYR:HA	2	0.31
(1,1464)	1:431:A:VAL:HA	1:453:A:TYR:HA	5	0.31
(1,1453)	1:433:A:SER:HA	1:434:A:ALA:HA	14	0.31
(1,1453)	1:433:A:SER:HA	1:434:A:ALA:HA	17	0.31
(1,1453)	1:433:A:SER:HA	1:434:A:ALA:HA	20	0.31
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG11	3	0.31
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG12	3	0.31
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG13	3	0.31
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD11	11	0.31
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD12	11	0.31
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD13	11	0.31
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD11	11	0.31
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD12	11	0.31
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD13	11	0.31
(1,1405)	1:435:A:LYS:HB2	1:437:A:PHE:HB3	11	0.31
(1,1405)	1:435:A:LYS:HB3	1:437:A:PHE:HB3	11	0.31
(1,1393)	1:432:A:ILE:HG21	1:433:A:SER:HB2	19	0.31
(1,1393)	1:432:A:ILE:HG22	1:433:A:SER:HB2	19	0.31
(1,1393)	1:432:A:ILE:HG23	1:433:A:SER:HB2	19	0.31
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	9	0.31
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	9	0.31
(1,1379)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	9	0.31
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	9	0.31
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	9	0.31
(1,1379)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	9	0.31
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	9	0.31
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	9	0.31
(1,1379)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	9	0.31
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB1	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB2	13	0.31
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB3	13	0.31
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB1	13	0.31
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB2	13	0.31
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB3	13	0.31
(1,1349)	1:474:A:LYS:HD2	1:475:A:ARG:HD2	6	0.31
(1,1349)	1:474:A:LYS:HD3	1:475:A:ARG:HD2	6	0.31
(1,1348)	1:475:A:ARG:HA	1:475:A:ARG:HD2	10	0.31
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	17	0.31
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	17	0.31
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	17	0.31
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	8	0.31
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	8	0.31
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	8	0.31
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	8	0.31
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	8	0.31
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	8	0.31
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	19	0.31
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	19	0.31
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	19	0.31
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	19	0.31
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	19	0.31
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	19	0.31
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG21	9	0.31
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG22	9	0.31
(1,1310)	1:421:A:ILE:HG21	1:451:A:VAL:HG23	9	0.31
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG21	9	0.31
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG22	9	0.31
(1,1310)	1:421:A:ILE:HG22	1:451:A:VAL:HG23	9	0.31
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG21	9	0.31
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG22	9	0.31
(1,1310)	1:421:A:ILE:HG23	1:451:A:VAL:HG23	9	0.31
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	3	0.31
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	3	0.31
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	3	0.31
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	11	0.31
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	11	0.31
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	11	0.31
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG21	7	0.31
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG22	7	0.31
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG23	7	0.31
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG21	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG22	13	0.31
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG23	13	0.31
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG21	13	0.31
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG22	13	0.31
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG23	13	0.31
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG2	5	0.31
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG3	5	0.31
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG2	5	0.31
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG3	5	0.31
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG2	5	0.31
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG3	5	0.31
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG2	5	0.31
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG3	5	0.31
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG2	5	0.31
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG3	5	0.31
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG2	5	0.31
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG3	5	0.31
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	12	0.31
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	12	0.31
(1,1225)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	12	0.31
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	12	0.31
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	12	0.31
(1,1225)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	12	0.31
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD1	5	0.31
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD2	5	0.31
(1,1181)	1:479:A:GLN:HA	1:480:A:LEU:HG	12	0.31
(1,1161)	1:459:A:ALA:HA	1:461:A:ALA:H	17	0.31
(1,1160)	1:459:A:ALA:HA	1:462:A:ALA:H	15	0.31
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB2	11	0.31
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB3	11	0.31
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB2	11	0.31
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB3	11	0.31
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB2	20	0.31
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB3	20	0.31
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB2	20	0.31
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB3	20	0.31
(1,1133)	1:407:A:LEU:H	1:452:A:SER:HA	2	0.31
(1,1105)	1:463:A:ILE:HA	1:478:A:VAL:HB	20	0.31
(1,1098)	1:440:A:LYS:HA	1:442:A:THR:H	11	0.31
(1,1088)	1:419:A:GLN:HA	1:422:A:LEU:H	11	0.31
(1,1078)	1:414:A:GLN:HA	1:415:A:GLU:HG2	15	0.31
(1,1078)	1:414:A:GLN:HA	1:415:A:GLU:HG3	15	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1077)	1:413:A:PRO:HB2	1:414:A:GLN:HA	5	0.31
(1,1077)	1:413:A:PRO:HB3	1:414:A:GLN:HA	5	0.31
(1,1052)	1:400:A:GLU:HG3	1:401:A:GLY:H	3	0.31
(1,1052)	1:400:A:GLU:HG3	1:401:A:GLY:H	6	0.31
(1,1052)	1:400:A:GLU:HG3	1:401:A:GLY:H	11	0.31
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD11	15	0.31
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD12	15	0.31
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD13	15	0.31
(1,1012)	1:462:A:ALA:H	1:463:A:ILE:HB	6	0.31
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	3	0.31
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	3	0.31
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	3	0.31
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	11	0.31
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	11	0.31
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	11	0.31
(1,998)	1:485:A:ASN:HB3	1:486:A:ASP:H	14	0.31
(1,991)	1:409:A:ILE:HD11	1:451:A:VAL:H	3	0.31
(1,991)	1:409:A:ILE:HD12	1:451:A:VAL:H	3	0.31
(1,991)	1:409:A:ILE:HD13	1:451:A:VAL:H	3	0.31
(1,991)	1:409:A:ILE:HD11	1:451:A:VAL:H	11	0.31
(1,991)	1:409:A:ILE:HD12	1:451:A:VAL:H	11	0.31
(1,991)	1:409:A:ILE:HD13	1:451:A:VAL:H	11	0.31
(1,965)	1:438:A:ILE:HB	1:439:A:ASP:H	9	0.31
(1,960)	1:432:A:ILE:HG21	1:433:A:SER:H	17	0.31
(1,960)	1:432:A:ILE:HG22	1:433:A:SER:H	17	0.31
(1,960)	1:432:A:ILE:HG23	1:433:A:SER:H	17	0.31
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB1	11	0.31
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB2	11	0.31
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB3	11	0.31
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB1	11	0.31
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB2	11	0.31
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB3	11	0.31
(1,942)	1:409:A:ILE:HB	1:449:A:GLY:H	17	0.31
(1,922)	1:455:A:ASN:HB3	1:458:A:SER:H	9	0.31
(1,920)	1:402:A:PRO:HG3	1:455:A:ASN:HB2	13	0.31
(1,888)	1:448:A:PHE:HB2	1:449:A:GLY:HA2	4	0.31
(1,888)	1:448:A:PHE:HB3	1:449:A:GLY:HA2	4	0.31
(1,888)	1:448:A:PHE:HB2	1:449:A:GLY:HA2	7	0.31
(1,888)	1:448:A:PHE:HB3	1:449:A:GLY:HA2	7	0.31
(1,884)	1:433:A:SER:HB2	1:452:A:SER:H	20	0.31
(1,874)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	5	0.31
(1,861)	1:452:A:SER:HB2	1:453:A:TYR:H	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB1	6	0.31
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB2	6	0.31
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB3	6	0.31
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	17	0.31
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	17	0.31
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	17	0.31
(1,836)	1:444:A:LEU:HB3	1:445:A:SER:H	7	0.31
(1,831)	1:450:A:PHE:HB3	1:451:A:VAL:HB	11	0.31
(1,831)	1:450:A:PHE:HB3	1:451:A:VAL:HB	13	0.31
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB1	11	0.31
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB2	11	0.31
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB3	11	0.31
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB1	7	0.31
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB2	7	0.31
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB3	7	0.31
(1,805)	1:465:A:ALA:HB1	1:466:A:MET:HG2	19	0.31
(1,805)	1:465:A:ALA:HB1	1:466:A:MET:HG3	19	0.31
(1,805)	1:465:A:ALA:HB2	1:466:A:MET:HG2	19	0.31
(1,805)	1:465:A:ALA:HB2	1:466:A:MET:HG3	19	0.31
(1,805)	1:465:A:ALA:HB3	1:466:A:MET:HG2	19	0.31
(1,805)	1:465:A:ALA:HB3	1:466:A:MET:HG3	19	0.31
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB1	12	0.31
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB2	12	0.31
(1,804)	1:464:A:GLN:HB2	1:465:A:ALA:HB3	12	0.31
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB1	12	0.31
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB2	12	0.31
(1,804)	1:464:A:GLN:HB3	1:465:A:ALA:HB3	12	0.31
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB1	4	0.31
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB2	4	0.31
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB3	4	0.31
(1,799)	1:465:A:ALA:HB1	1:467:A:ASN:H	4	0.31
(1,799)	1:465:A:ALA:HB2	1:467:A:ASN:H	4	0.31
(1,799)	1:465:A:ALA:HB3	1:467:A:ASN:H	4	0.31
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG21	1	0.31
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG22	1	0.31
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG23	1	0.31
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG21	9	0.31
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG22	9	0.31
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG23	9	0.31
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB2	19	0.31
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB3	19	0.31
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	10	0.31
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	10	0.31
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	10	0.31
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	10	0.31
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	10	0.31
(1,763)	1:457:A:VAL:HG11	1:459:A:ALA:H	1	0.31
(1,763)	1:457:A:VAL:HG12	1:459:A:ALA:H	1	0.31
(1,763)	1:457:A:VAL:HG13	1:459:A:ALA:H	1	0.31
(1,763)	1:457:A:VAL:HG21	1:459:A:ALA:H	1	0.31
(1,763)	1:457:A:VAL:HG22	1:459:A:ALA:H	1	0.31
(1,763)	1:457:A:VAL:HG23	1:459:A:ALA:H	1	0.31
(1,752)	1:436:A:VAL:HG21	1:437:A:PHE:H	12	0.31
(1,752)	1:436:A:VAL:HG22	1:437:A:PHE:H	12	0.31
(1,752)	1:436:A:VAL:HG23	1:437:A:PHE:H	12	0.31
(1,752)	1:436:A:VAL:HG21	1:437:A:PHE:H	15	0.31
(1,752)	1:436:A:VAL:HG22	1:437:A:PHE:H	15	0.31
(1,752)	1:436:A:VAL:HG23	1:437:A:PHE:H	15	0.31
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	16	0.31
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	16	0.31
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	16	0.31
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	16	0.31
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	16	0.31
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	16	0.31
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	16	0.31
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	16	0.31
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	16	0.31
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG11	3	0.31
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG12	3	0.31
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG13	3	0.31
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG11	3	0.31
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG12	3	0.31
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG13	3	0.31
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG21	2	0.31
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG22	2	0.31
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG23	2	0.31
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG21	15	0.31
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG22	15	0.31
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG23	15	0.31
(1,692)	1:471:A:ILE:HA	1:472:A:GLY:HA2	15	0.31
(1,676)	1:481:A:LYS:HG2	1:482:A:ARG:H	18	0.31
(1,676)	1:481:A:LYS:HG3	1:482:A:ARG:H	18	0.31
(1,667)	1:473:A:MET:HG2	1:474:A:LYS:HG2	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,664)	1:471:A:ILE:HG21	1:474:A:LYS:HG3	18	0.31
(1,664)	1:471:A:ILE:HG22	1:474:A:LYS:HG3	18	0.31
(1,664)	1:471:A:ILE:HG23	1:474:A:LYS:HG3	18	0.31
(1,660)	1:406:A:ASN:H	1:480:A:LEU:HG	18	0.31
(1,655)	1:474:A:LYS:H	1:474:A:LYS:HG3	12	0.31
(1,634)	1:469:A:PHE:HE1	1:476:A:LEU:HG	16	0.31
(1,634)	1:469:A:PHE:HE2	1:476:A:LEU:HG	16	0.31
(1,624)	1:402:A:PRO:HD2	1:403:A:GLU:HB2	19	0.31
(1,619)	1:407:A:LEU:HG	1:453:A:TYR:H	16	0.31
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG11	4	0.31
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG12	4	0.31
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG13	4	0.31
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG21	3	0.31
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG22	3	0.31
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG23	3	0.31
(1,612)	1:407:A:LEU:HG	1:451:A:VAL:H	10	0.31
(1,609)	1:409:A:ILE:HA	1:411:A:HIS:HB2	11	0.31
(1,605)	1:426:A:MET:HA	1:429:A:GLY:H	7	0.31
(1,602)	1:428:A:PHE:HB3	1:429:A:GLY:H	3	0.31
(1,602)	1:428:A:PHE:HB3	1:429:A:GLY:H	9	0.31
(1,602)	1:428:A:PHE:HB3	1:429:A:GLY:H	14	0.31
(1,598)	1:429:A:GLY:H	1:430:A:ASN:H	11	0.31
(1,594)	1:439:A:ASP:HB2	1:442:A:THR:H	17	0.31
(1,593)	1:421:A:ILE:HD11	1:449:A:GLY:H	10	0.31
(1,593)	1:421:A:ILE:HD12	1:449:A:GLY:H	10	0.31
(1,593)	1:421:A:ILE:HD13	1:449:A:GLY:H	10	0.31
(1,588)	1:409:A:ILE:H	1:449:A:GLY:H	13	0.31
(1,581)	1:401:A:GLY:H	1:452:A:SER:HB3	19	0.31
(1,580)	1:401:A:GLY:H	1:406:A:ASN:HD21	9	0.31
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG21	4	0.31
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG22	4	0.31
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG23	4	0.31
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG11	17	0.31
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG12	17	0.31
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG13	17	0.31
(1,553)	1:422:A:LEU:HA	1:425:A:PHE:H	5	0.31
(1,541)	1:454:A:ASP:H	1:458:A:SER:HB3	10	0.31
(1,541)	1:454:A:ASP:H	1:458:A:SER:HB3	19	0.31
(1,539)	1:453:A:TYR:HB2	1:454:A:ASP:H	3	0.31
(1,537)	1:430:A:ASN:HA	1:454:A:ASP:H	8	0.31
(1,537)	1:430:A:ASN:HA	1:454:A:ASP:H	15	0.31
(1,477)	1:444:A:LEU:HB3	1:445:A:SER:H	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,466)	1:422:A:LEU:HB2	1:423:A:GLN:H	4	0.31
(1,466)	1:422:A:LEU:HB2	1:423:A:GLN:H	7	0.31
(1,465)	1:422:A:LEU:HB3	1:423:A:GLN:H	1	0.31
(1,456)	1:457:A:VAL:HA	1:460:A:GLN:H	5	0.31
(1,454)	1:458:A:SER:HA	1:460:A:GLN:H	11	0.31
(1,408)	1:420:A:ASP:H	1:422:A:LEU:H	1	0.31
(1,405)	1:471:A:ILE:HG12	1:472:A:GLY:H	2	0.31
(1,405)	1:471:A:ILE:HG13	1:472:A:GLY:H	2	0.31
(1,405)	1:471:A:ILE:HG12	1:472:A:GLY:H	19	0.31
(1,405)	1:471:A:ILE:HG13	1:472:A:GLY:H	19	0.31
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG21	15	0.31
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG22	15	0.31
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG23	15	0.31
(1,344)	1:467:A:ASN:H	1:468:A:GLY:H	15	0.31
(1,344)	1:467:A:ASN:H	1:468:A:GLY:H	16	0.31
(1,343)	1:465:A:ALA:HB1	1:467:A:ASN:H	4	0.31
(1,343)	1:465:A:ALA:HB2	1:467:A:ASN:H	4	0.31
(1,343)	1:465:A:ALA:HB3	1:467:A:ASN:H	4	0.31
(1,306)	1:475:A:ARG:H	1:476:A:LEU:H	7	0.31
(1,306)	1:475:A:ARG:H	1:476:A:LEU:H	13	0.31
(1,299)	1:403:A:GLU:HA	1:405:A:ALA:H	12	0.31
(1,299)	1:403:A:GLU:HA	1:405:A:ALA:H	13	0.31
(1,287)	1:436:A:VAL:HA	1:450:A:PHE:H	17	0.31
(1,282)	1:407:A:LEU:HD11	1:459:A:ALA:H	10	0.31
(1,282)	1:407:A:LEU:HD12	1:459:A:ALA:H	10	0.31
(1,282)	1:407:A:LEU:HD13	1:459:A:ALA:H	10	0.31
(1,282)	1:407:A:LEU:HD21	1:459:A:ALA:H	10	0.31
(1,282)	1:407:A:LEU:HD22	1:459:A:ALA:H	10	0.31
(1,282)	1:407:A:LEU:HD23	1:459:A:ALA:H	10	0.31
(1,280)	1:458:A:SER:HB2	1:459:A:ALA:H	3	0.31
(1,263)	1:408:A:PHE:HD1	1:409:A:ILE:H	12	0.31
(1,263)	1:408:A:PHE:HD2	1:409:A:ILE:H	12	0.31
(1,252)	1:402:A:PRO:HD2	1:453:A:TYR:H	19	0.31
(1,251)	1:452:A:SER:HB2	1:453:A:TYR:H	14	0.31
(1,217)	1:462:A:ALA:H	1:463:A:ILE:HB	6	0.31
(1,214)	1:459:A:ALA:HA	1:462:A:ALA:H	15	0.31
(1,210)	1:418:A:ASP:H	1:420:A:ASP:HB2	16	0.31
(1,206)	1:412:A:LEU:HD11	1:416:A:PHE:H	10	0.31
(1,206)	1:412:A:LEU:HD12	1:416:A:PHE:H	10	0.31
(1,206)	1:412:A:LEU:HD13	1:416:A:PHE:H	10	0.31
(1,206)	1:412:A:LEU:HD21	1:416:A:PHE:H	10	0.31
(1,206)	1:412:A:LEU:HD22	1:416:A:PHE:H	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,206)	1:412:A:LEU:HD23	1:416:A:PHE:H	10	0.31
(1,186)	1:459:A:ALA:HA	1:461:A:ALA:H	17	0.31
(1,178)	1:419:A:GLN:HA	1:422:A:LEU:H	11	0.31
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD2	15	0.31
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD3	15	0.31
(1,157)	1:406:A:ASN:HB2	1:407:A:LEU:H	10	0.31
(1,150)	1:407:A:LEU:H	1:409:A:ILE:H	12	0.31
(1,117)	1:489:A:PRO:HG2	1:490:A:TYR:H	20	0.31
(1,94)	1:451:A:VAL:H	1:452:A:SER:H	1	0.31
(1,94)	1:451:A:VAL:H	1:452:A:SER:H	6	0.31
(1,94)	1:451:A:VAL:H	1:452:A:SER:H	8	0.31
(1,84)	1:406:A:ASN:H	1:481:A:LYS:H	4	0.31
(1,84)	1:406:A:ASN:H	1:481:A:LYS:H	14	0.31
(1,72)	1:414:A:GLN:H	1:415:A:GLU:HB3	2	0.31
(1,72)	1:414:A:GLN:H	1:415:A:GLU:HB3	5	0.31
(1,71)	1:414:A:GLN:H	1:414:A:GLN:HG3	3	0.31
(1,62)	1:435:A:LYS:HE2	1:437:A:PHE:H	19	0.31
(1,62)	1:435:A:LYS:HE3	1:437:A:PHE:H	19	0.31
(1,60)	1:436:A:VAL:HG21	1:437:A:PHE:H	12	0.31
(1,60)	1:436:A:VAL:HG22	1:437:A:PHE:H	12	0.31
(1,60)	1:436:A:VAL:HG23	1:437:A:PHE:H	12	0.31
(1,60)	1:436:A:VAL:HG21	1:437:A:PHE:H	15	0.31
(1,60)	1:436:A:VAL:HG22	1:437:A:PHE:H	15	0.31
(1,60)	1:436:A:VAL:HG23	1:437:A:PHE:H	15	0.31
(1,48)	1:438:A:ILE:HB	1:439:A:ASP:H	9	0.31
(1,29)	1:439:A:ASP:HB3	1:440:A:LYS:H	10	0.31
(1,29)	1:439:A:ASP:HB3	1:440:A:LYS:H	11	0.31
(1,29)	1:439:A:ASP:HB3	1:440:A:LYS:H	15	0.31
(1,28)	1:439:A:ASP:HB2	1:440:A:LYS:H	3	0.31
(1,28)	1:439:A:ASP:HB2	1:440:A:LYS:H	12	0.31
(1,21)	1:424:A:MET:H	1:426:A:MET:H	14	0.31
(1,21)	1:424:A:MET:H	1:426:A:MET:H	15	0.31
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD11	10	0.31
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD12	10	0.31
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD13	10	0.31
(1,5)	1:469:A:PHE:HB2	1:470:A:GLN:H	15	0.31
(1,4)	1:469:A:PHE:HB3	1:470:A:GLN:H	5	0.31
(1,4)	1:469:A:PHE:HB3	1:470:A:GLN:H	6	0.31
(1,4)	1:469:A:PHE:HB3	1:470:A:GLN:H	10	0.31
(1,4)	1:469:A:PHE:HB3	1:470:A:GLN:H	11	0.31
(1,4)	1:469:A:PHE:HB3	1:470:A:GLN:H	15	0.31
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE1	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE2	4	0.3
(1,1587)	1:412:A:LEU:HG	1:416:A:PHE:HD1	7	0.3
(1,1587)	1:412:A:LEU:HG	1:416:A:PHE:HD2	7	0.3
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD1	7	0.3
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD2	7	0.3
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE1	19	0.3
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE2	19	0.3
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB1	8	0.3
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB2	8	0.3
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB3	8	0.3
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB1	8	0.3
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB2	8	0.3
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB3	8	0.3
(1,1554)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	9	0.3
(1,1554)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	9	0.3
(1,1554)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	17	0.3
(1,1554)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	17	0.3
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG21	4	0.3
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG22	4	0.3
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG23	4	0.3
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG21	12	0.3
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG22	12	0.3
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG23	12	0.3
(1,1504)	1:430:A:ASN:HA	1:453:A:TYR:HD1	8	0.3
(1,1504)	1:430:A:ASN:HA	1:453:A:TYR:HD2	8	0.3
(1,1493)	1:455:A:ASN:HB3	1:457:A:VAL:HB	5	0.3
(1,1493)	1:455:A:ASN:HB3	1:457:A:VAL:HB	7	0.3
(1,1493)	1:455:A:ASN:HB3	1:457:A:VAL:HB	18	0.3
(1,1469)	1:483:A:SER:HB2	1:484:A:LYS:HA	8	0.3
(1,1469)	1:483:A:SER:HB3	1:484:A:LYS:HA	8	0.3
(1,1453)	1:433:A:SER:HA	1:434:A:ALA:HA	1	0.3
(1,1453)	1:433:A:SER:HA	1:434:A:ALA:HA	8	0.3
(1,1453)	1:433:A:SER:HA	1:434:A:ALA:HA	15	0.3
(1,1453)	1:433:A:SER:HA	1:434:A:ALA:HA	18	0.3
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	2	0.3
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	2	0.3
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	2	0.3
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG11	8	0.3
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG12	8	0.3
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG13	8	0.3
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG11	6	0.3
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG12	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG13	6	0.3
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	5	0.3
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	5	0.3
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	5	0.3
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	5	0.3
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	5	0.3
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	5	0.3
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD11	16	0.3
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD12	16	0.3
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD13	16	0.3
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD11	16	0.3
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD12	16	0.3
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD13	16	0.3
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD11	16	0.3
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD12	16	0.3
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD13	16	0.3
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD11	16	0.3
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD12	16	0.3
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD13	16	0.3
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD11	16	0.3
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD12	16	0.3
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD13	16	0.3
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD11	16	0.3
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD12	16	0.3
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD13	16	0.3
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD11	13	0.3
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD12	13	0.3
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD13	13	0.3
(1,1387)	1:409:A:ILE:HB	1:449:A:GLY:HA3	2	0.3
(1,1387)	1:409:A:ILE:HB	1:449:A:GLY:HA3	10	0.3
(1,1387)	1:409:A:ILE:HB	1:449:A:GLY:HA3	17	0.3
(1,1352)	1:412:A:LEU:HG	1:417:A:GLY:HA3	3	0.3
(1,1352)	1:412:A:LEU:HG	1:417:A:GLY:HA3	6	0.3
(1,1349)	1:474:A:LYS:HD2	1:475:A:ARG:HD2	4	0.3
(1,1349)	1:474:A:LYS:HD3	1:475:A:ARG:HD2	4	0.3
(1,1347)	1:475:A:ARG:HA	1:475:A:ARG:HD3	4	0.3
(1,1341)	1:402:A:PRO:HD3	1:405:A:ALA:HB1	2	0.3
(1,1341)	1:402:A:PRO:HD3	1:405:A:ALA:HB2	2	0.3
(1,1341)	1:402:A:PRO:HD3	1:405:A:ALA:HB3	2	0.3
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	18	0.3
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	18	0.3
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	18	0.3
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	18	0.3
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	18	0.3
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	18	0.3
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	18	0.3
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	18	0.3
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG11	8	0.3
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG12	8	0.3
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG13	8	0.3
(1,1322)	1:436:A:VAL:HG11	1:448:A:PHE:HA	5	0.3
(1,1322)	1:436:A:VAL:HG12	1:448:A:PHE:HA	5	0.3
(1,1322)	1:436:A:VAL:HG13	1:448:A:PHE:HA	5	0.3
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG11	15	0.3
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG12	15	0.3
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG13	15	0.3
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG11	17	0.3
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG12	17	0.3
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG13	17	0.3
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	19	0.3
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	19	0.3
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	19	0.3
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	7	0.3
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	7	0.3
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	7	0.3
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	7	0.3
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	7	0.3
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	7	0.3
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	7	0.3
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	7	0.3
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	7	0.3
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG21	9	0.3
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG22	9	0.3
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG23	9	0.3
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG21	9	0.3
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG22	9	0.3
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG23	9	0.3
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG21	17	0.3
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG22	17	0.3
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG23	17	0.3
(1,1288)	1:431:A:VAL:HG11	1:453:A:TYR:HE1	4	0.3
(1,1288)	1:431:A:VAL:HG11	1:453:A:TYR:HE2	4	0.3
(1,1288)	1:431:A:VAL:HG12	1:453:A:TYR:HE1	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1288)	1:431:A:VAL:HG12	1:453:A:TYR:HE2	4	0.3
(1,1288)	1:431:A:VAL:HG13	1:453:A:TYR:HE1	4	0.3
(1,1288)	1:431:A:VAL:HG13	1:453:A:TYR:HE2	4	0.3
(1,1288)	1:431:A:VAL:HG11	1:453:A:TYR:HE1	10	0.3
(1,1288)	1:431:A:VAL:HG11	1:453:A:TYR:HE2	10	0.3
(1,1288)	1:431:A:VAL:HG12	1:453:A:TYR:HE1	10	0.3
(1,1288)	1:431:A:VAL:HG12	1:453:A:TYR:HE2	10	0.3
(1,1288)	1:431:A:VAL:HG13	1:453:A:TYR:HE1	10	0.3
(1,1288)	1:431:A:VAL:HG13	1:453:A:TYR:HE2	10	0.3
(1,1248)	1:404:A:GLY:HA3	1:480:A:LEU:HG	8	0.3
(1,1232)	1:419:A:GLN:HB3	1:420:A:ASP:H	12	0.3
(1,1227)	1:412:A:LEU:HG	1:413:A:PRO:HG2	19	0.3
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	2	0.3
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	2	0.3
(1,1185)	1:411:A:HIS:HA	1:412:A:LEU:HA	12	0.3
(1,1179)	1:463:A:ILE:HD11	1:479:A:GLN:HA	18	0.3
(1,1179)	1:463:A:ILE:HD12	1:479:A:GLN:HA	18	0.3
(1,1179)	1:463:A:ILE:HD13	1:479:A:GLN:HA	18	0.3
(1,1147)	1:424:A:MET:HG2	1:425:A:PHE:H	11	0.3
(1,1147)	1:424:A:MET:HG3	1:425:A:PHE:H	11	0.3
(1,1147)	1:424:A:MET:HG2	1:425:A:PHE:H	18	0.3
(1,1147)	1:424:A:MET:HG3	1:425:A:PHE:H	18	0.3
(1,1145)	1:474:A:LYS:HA	1:475:A:ARG:HG2	20	0.3
(1,1145)	1:474:A:LYS:HA	1:475:A:ARG:HG3	20	0.3
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG2	20	0.3
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG3	20	0.3
(1,1116)	1:432:A:ILE:H	1:453:A:TYR:HA	7	0.3
(1,1116)	1:432:A:ILE:H	1:453:A:TYR:HA	8	0.3
(1,1110)	1:423:A:GLN:H	1:423:A:GLN:HG3	15	0.3
(1,1088)	1:419:A:GLN:HA	1:422:A:LEU:H	4	0.3
(1,1088)	1:419:A:GLN:HA	1:422:A:LEU:H	15	0.3
(1,1077)	1:413:A:PRO:HB2	1:414:A:GLN:HA	7	0.3
(1,1077)	1:413:A:PRO:HB3	1:414:A:GLN:HA	7	0.3
(1,1077)	1:413:A:PRO:HB2	1:414:A:GLN:HA	12	0.3
(1,1077)	1:413:A:PRO:HB3	1:414:A:GLN:HA	12	0.3
(1,1066)	1:414:A:GLN:HA	1:415:A:GLU:HA	3	0.3
(1,1066)	1:414:A:GLN:HA	1:415:A:GLU:HA	14	0.3
(1,1052)	1:400:A:GLU:HG3	1:401:A:GLY:H	8	0.3
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	18	0.3
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	18	0.3
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	18	0.3
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	18	0.3
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	18	0.3
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	18	0.3
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	18	0.3
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	18	0.3
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	6	0.3
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	6	0.3
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	6	0.3
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	6	0.3
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	6	0.3
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	6	0.3
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD11	7	0.3
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD12	7	0.3
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD13	7	0.3
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD11	7	0.3
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD12	7	0.3
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD13	7	0.3
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD11	7	0.3
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD12	7	0.3
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD13	7	0.3
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD11	7	0.3
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD12	7	0.3
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD13	7	0.3
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD11	7	0.3
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD12	7	0.3
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD13	7	0.3
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD11	7	0.3
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD12	7	0.3
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD13	7	0.3
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD11	11	0.3
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD12	11	0.3
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD13	11	0.3
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD11	11	0.3
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD12	11	0.3
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD13	11	0.3
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD11	11	0.3
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD12	11	0.3
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD13	11	0.3
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD11	11	0.3
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD12	11	0.3
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD13	11	0.3
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD11	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD12	11	0.3
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD13	11	0.3
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD11	11	0.3
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD12	11	0.3
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD13	11	0.3
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD11	12	0.3
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD12	12	0.3
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD13	12	0.3
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	19	0.3
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	19	0.3
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	19	0.3
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	3	0.3
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	3	0.3
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	3	0.3
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	3	0.3
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	3	0.3
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	3	0.3
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD11	14	0.3
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD12	14	0.3
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD13	14	0.3
(1,982)	1:437:A:PHE:HB2	1:438:A:ILE:HB	18	0.3
(1,965)	1:438:A:ILE:HB	1:439:A:ASP:H	8	0.3
(1,959)	1:432:A:ILE:HG21	1:454:A:ASP:H	18	0.3
(1,959)	1:432:A:ILE:HG22	1:454:A:ASP:H	18	0.3
(1,959)	1:432:A:ILE:HG23	1:454:A:ASP:H	18	0.3
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE1	12	0.3
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE2	12	0.3
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE3	12	0.3
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE1	12	0.3
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE2	12	0.3
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE3	12	0.3
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE1	12	0.3
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE2	12	0.3
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE3	12	0.3
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG11	7	0.3
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG12	7	0.3
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG13	7	0.3
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG11	7	0.3
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG12	7	0.3
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG13	7	0.3
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG11	7	0.3
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG12	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG13	7	0.3
(1,922)	1:455:A:ASN:HB3	1:458:A:SER:H	12	0.3
(1,920)	1:402:A:PRO:HG3	1:455:A:ASN:HB2	18	0.3
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	16	0.3
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	16	0.3
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	4	0.3
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	4	0.3
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	4	0.3
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	4	0.3
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	4	0.3
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	4	0.3
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	4	0.3
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	4	0.3
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	4	0.3
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	12	0.3
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	12	0.3
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	12	0.3
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	12	0.3
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	12	0.3
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	12	0.3
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	12	0.3
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	12	0.3
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	12	0.3
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	15	0.3
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	15	0.3
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	15	0.3
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	15	0.3
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	15	0.3
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	15	0.3
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	15	0.3
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	15	0.3
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	15	0.3
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	16	0.3
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	16	0.3
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	16	0.3
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	16	0.3
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	16	0.3
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	16	0.3
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	16	0.3
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	16	0.3
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	16	0.3
(1,901)	1:462:A:ALA:HB1	1:465:A:ALA:H	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,901)	1:462:A:ALA:HB2	1:465:A:ALA:H	6	0.3
(1,901)	1:462:A:ALA:HB3	1:465:A:ALA:H	6	0.3
(1,884)	1:433:A:SER:HB2	1:452:A:SER:H	14	0.3
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB2	6	0.3
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB3	6	0.3
(1,877)	1:408:A:PHE:HB2	1:479:A:GLN:H	18	0.3
(1,877)	1:408:A:PHE:HB3	1:479:A:GLN:H	18	0.3
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB1	18	0.3
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB2	18	0.3
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB3	18	0.3
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB1	13	0.3
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB2	13	0.3
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB3	13	0.3
(1,799)	1:465:A:ALA:HB1	1:467:A:ASN:H	8	0.3
(1,799)	1:465:A:ALA:HB2	1:467:A:ASN:H	8	0.3
(1,799)	1:465:A:ALA:HB3	1:467:A:ASN:H	8	0.3
(1,799)	1:465:A:ALA:HB1	1:467:A:ASN:H	20	0.3
(1,799)	1:465:A:ALA:HB2	1:467:A:ASN:H	20	0.3
(1,799)	1:465:A:ALA:HB3	1:467:A:ASN:H	20	0.3
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	4	0.3
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	4	0.3
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	4	0.3
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	4	0.3
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	4	0.3
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	4	0.3
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	4	0.3
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	4	0.3
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	4	0.3
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	12	0.3
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	12	0.3
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	12	0.3
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	12	0.3
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	12	0.3
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	12	0.3
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	12	0.3
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	12	0.3
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	12	0.3
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	15	0.3
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	15	0.3
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	15	0.3
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	15	0.3
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	15	0.3
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	15	0.3
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	15	0.3
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	15	0.3
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	16	0.3
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	16	0.3
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	16	0.3
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	16	0.3
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	16	0.3
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	16	0.3
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	16	0.3
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	16	0.3
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	16	0.3
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB2	2	0.3
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB3	2	0.3
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB2	6	0.3
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB3	6	0.3
(1,750)	1:436:A:VAL:HG21	1:450:A:PHE:H	9	0.3
(1,750)	1:436:A:VAL:HG22	1:450:A:PHE:H	9	0.3
(1,750)	1:436:A:VAL:HG23	1:450:A:PHE:H	9	0.3
(1,737)	1:426:A:MET:H	1:426:A:MET:HE1	15	0.3
(1,737)	1:426:A:MET:H	1:426:A:MET:HE2	15	0.3
(1,737)	1:426:A:MET:H	1:426:A:MET:HE3	15	0.3
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	7	0.3
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	7	0.3
(1,725)	1:407:A:LEU:HB3	1:425:A:PHE:HD1	8	0.3
(1,725)	1:407:A:LEU:HB3	1:425:A:PHE:HD2	8	0.3
(1,725)	1:407:A:LEU:HB3	1:425:A:PHE:HD1	15	0.3
(1,725)	1:407:A:LEU:HB3	1:425:A:PHE:HD2	15	0.3
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD11	4	0.3
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD12	4	0.3
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD13	4	0.3
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD21	4	0.3
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD22	4	0.3
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD23	4	0.3
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD11	13	0.3
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD12	13	0.3
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD13	13	0.3
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD21	13	0.3
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD22	13	0.3
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD23	13	0.3
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG21	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG22	9	0.3
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG23	9	0.3
(1,692)	1:471:A:ILE:HA	1:472:A:GLY:HA2	13	0.3
(1,692)	1:471:A:ILE:HA	1:472:A:GLY:HA2	18	0.3
(1,676)	1:481:A:LYS:HG2	1:482:A:ARG:H	10	0.3
(1,676)	1:481:A:LYS:HG3	1:482:A:ARG:H	10	0.3
(1,673)	1:412:A:LEU:HG	1:416:A:PHE:HD1	7	0.3
(1,673)	1:412:A:LEU:HG	1:416:A:PHE:HD2	7	0.3
(1,670)	1:480:A:LEU:H	1:480:A:LEU:HG	6	0.3
(1,664)	1:471:A:ILE:HG21	1:474:A:LYS:HG3	2	0.3
(1,664)	1:471:A:ILE:HG22	1:474:A:LYS:HG3	2	0.3
(1,664)	1:471:A:ILE:HG23	1:474:A:LYS:HG3	2	0.3
(1,664)	1:471:A:ILE:HG21	1:474:A:LYS:HG3	14	0.3
(1,664)	1:471:A:ILE:HG22	1:474:A:LYS:HG3	14	0.3
(1,664)	1:471:A:ILE:HG23	1:474:A:LYS:HG3	14	0.3
(1,664)	1:471:A:ILE:HG21	1:474:A:LYS:HG3	16	0.3
(1,664)	1:471:A:ILE:HG22	1:474:A:LYS:HG3	16	0.3
(1,664)	1:471:A:ILE:HG23	1:474:A:LYS:HG3	16	0.3
(1,658)	1:480:A:LEU:H	1:480:A:LEU:HG	6	0.3
(1,655)	1:474:A:LYS:H	1:474:A:LYS:HG3	2	0.3
(1,655)	1:474:A:LYS:H	1:474:A:LYS:HG3	9	0.3
(1,655)	1:474:A:LYS:H	1:474:A:LYS:HG3	14	0.3
(1,649)	1:407:A:LEU:HD11	1:479:A:GLN:HA	5	0.3
(1,649)	1:407:A:LEU:HD12	1:479:A:GLN:HA	5	0.3
(1,649)	1:407:A:LEU:HD13	1:479:A:GLN:HA	5	0.3
(1,649)	1:407:A:LEU:HD21	1:479:A:GLN:HA	5	0.3
(1,649)	1:407:A:LEU:HD22	1:479:A:GLN:HA	5	0.3
(1,649)	1:407:A:LEU:HD23	1:479:A:GLN:HA	5	0.3
(1,643)	1:410:A:TYR:HB2	1:412:A:LEU:HG	8	0.3
(1,642)	1:439:A:ASP:HB3	1:444:A:LEU:HG	14	0.3
(1,634)	1:469:A:PHE:HE1	1:476:A:LEU:HG	5	0.3
(1,634)	1:469:A:PHE:HE2	1:476:A:LEU:HG	5	0.3
(1,634)	1:469:A:PHE:HE1	1:476:A:LEU:HG	9	0.3
(1,634)	1:469:A:PHE:HE2	1:476:A:LEU:HG	9	0.3
(1,629)	1:402:A:PRO:HD3	1:403:A:GLU:HB2	8	0.3
(1,623)	1:411:A:HIS:HB2	1:475:A:ARG:HG2	12	0.3
(1,623)	1:411:A:HIS:HB2	1:475:A:ARG:HG3	12	0.3
(1,614)	1:407:A:LEU:H	1:407:A:LEU:HG	15	0.3
(1,614)	1:407:A:LEU:H	1:407:A:LEU:HG	19	0.3
(1,612)	1:407:A:LEU:HG	1:451:A:VAL:H	11	0.3
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD1	16	0.3
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD2	16	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:409:A:ILE:HA	1:411:A:HIS:HB2	20	0.3
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG11	16	0.3
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG12	16	0.3
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG13	16	0.3
(1,602)	1:428:A:PHE:HB3	1:429:A:GLY:H	19	0.3
(1,587)	1:449:A:GLY:H	1:450:A:PHE:H	2	0.3
(1,587)	1:449:A:GLY:H	1:450:A:PHE:H	11	0.3
(1,544)	1:432:A:ILE:HG21	1:454:A:ASP:H	18	0.3
(1,544)	1:432:A:ILE:HG22	1:454:A:ASP:H	18	0.3
(1,544)	1:432:A:ILE:HG23	1:454:A:ASP:H	18	0.3
(1,539)	1:453:A:TYR:HB2	1:454:A:ASP:H	8	0.3
(1,539)	1:453:A:TYR:HB2	1:454:A:ASP:H	18	0.3
(1,531)	1:416:A:PHE:H	1:417:A:GLY:H	7	0.3
(1,516)	1:402:A:PRO:HG2	1:455:A:ASN:H	2	0.3
(1,511)	1:455:A:ASN:H	1:458:A:SER:HB3	17	0.3
(1,510)	1:453:A:TYR:HB2	1:455:A:ASN:H	14	0.3
(1,504)	1:409:A:ILE:HA	1:412:A:LEU:H	16	0.3
(1,492)	1:415:A:GLU:H	1:416:A:PHE:HB2	19	0.3
(1,488)	1:406:A:ASN:H	1:407:A:LEU:HB3	5	0.3
(1,465)	1:422:A:LEU:HB3	1:423:A:GLN:H	19	0.3
(1,460)	1:457:A:VAL:H	1:460:A:GLN:H	4	0.3
(1,456)	1:457:A:VAL:HA	1:460:A:GLN:H	9	0.3
(1,454)	1:458:A:SER:HA	1:460:A:GLN:H	3	0.3
(1,417)	1:439:A:ASP:HB2	1:441:A:GLN:H	7	0.3
(1,412)	1:441:A:GLN:H	1:443:A:ASN:H	17	0.3
(1,408)	1:420:A:ASP:H	1:422:A:LEU:H	14	0.3
(1,407)	1:417:A:GLY:H	1:420:A:ASP:H	8	0.3
(1,405)	1:471:A:ILE:HG12	1:472:A:GLY:H	11	0.3
(1,405)	1:471:A:ILE:HG13	1:472:A:GLY:H	11	0.3
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD1	4	0.3
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD2	4	0.3
(1,387)	1:419:A:GLN:HB3	1:420:A:ASP:H	12	0.3
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD11	14	0.3
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD12	14	0.3
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD13	14	0.3
(1,343)	1:465:A:ALA:HB1	1:467:A:ASN:H	8	0.3
(1,343)	1:465:A:ALA:HB2	1:467:A:ASN:H	8	0.3
(1,343)	1:465:A:ALA:HB3	1:467:A:ASN:H	8	0.3
(1,343)	1:465:A:ALA:HB1	1:467:A:ASN:H	20	0.3
(1,343)	1:465:A:ALA:HB2	1:467:A:ASN:H	20	0.3
(1,343)	1:465:A:ALA:HB3	1:467:A:ASN:H	20	0.3
(1,342)	1:467:A:ASN:H	1:478:A:VAL:HB	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,340)	1:465:A:ALA:H	1:467:A:ASN:H	11	0.3
(1,340)	1:465:A:ALA:H	1:467:A:ASN:H	17	0.3
(1,340)	1:465:A:ALA:H	1:467:A:ASN:H	20	0.3
(1,338)	1:408:A:PHE:H	1:409:A:ILE:H	8	0.3
(1,338)	1:408:A:PHE:H	1:409:A:ILE:H	12	0.3
(1,298)	1:405:A:ALA:H	1:453:A:TYR:HB3	9	0.3
(1,296)	1:450:A:PHE:H	1:451:A:VAL:H	13	0.3
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG11	7	0.3
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG12	7	0.3
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG13	7	0.3
(1,285)	1:449:A:GLY:H	1:450:A:PHE:H	2	0.3
(1,285)	1:449:A:GLY:H	1:450:A:PHE:H	11	0.3
(1,282)	1:407:A:LEU:HD11	1:459:A:ALA:H	12	0.3
(1,282)	1:407:A:LEU:HD12	1:459:A:ALA:H	12	0.3
(1,282)	1:407:A:LEU:HD13	1:459:A:ALA:H	12	0.3
(1,282)	1:407:A:LEU:HD21	1:459:A:ALA:H	12	0.3
(1,282)	1:407:A:LEU:HD22	1:459:A:ALA:H	12	0.3
(1,282)	1:407:A:LEU:HD23	1:459:A:ALA:H	12	0.3
(1,260)	1:408:A:PHE:H	1:409:A:ILE:H	8	0.3
(1,260)	1:408:A:PHE:H	1:409:A:ILE:H	12	0.3
(1,243)	1:400:A:GLU:H	1:401:A:GLY:H	14	0.3
(1,215)	1:428:A:PHE:HB3	1:462:A:ALA:H	12	0.3
(1,210)	1:418:A:ASP:H	1:420:A:ASP:HB2	4	0.3
(1,210)	1:418:A:ASP:H	1:420:A:ASP:HB2	5	0.3
(1,209)	1:418:A:ASP:H	1:420:A:ASP:HB3	15	0.3
(1,206)	1:412:A:LEU:HD11	1:416:A:PHE:H	2	0.3
(1,206)	1:412:A:LEU:HD12	1:416:A:PHE:H	2	0.3
(1,206)	1:412:A:LEU:HD13	1:416:A:PHE:H	2	0.3
(1,206)	1:412:A:LEU:HD21	1:416:A:PHE:H	2	0.3
(1,206)	1:412:A:LEU:HD22	1:416:A:PHE:H	2	0.3
(1,206)	1:412:A:LEU:HD23	1:416:A:PHE:H	2	0.3
(1,206)	1:412:A:LEU:HD11	1:416:A:PHE:H	9	0.3
(1,206)	1:412:A:LEU:HD12	1:416:A:PHE:H	9	0.3
(1,206)	1:412:A:LEU:HD13	1:416:A:PHE:H	9	0.3
(1,206)	1:412:A:LEU:HD21	1:416:A:PHE:H	9	0.3
(1,206)	1:412:A:LEU:HD22	1:416:A:PHE:H	9	0.3
(1,206)	1:412:A:LEU:HD23	1:416:A:PHE:H	9	0.3
(1,200)	1:416:A:PHE:H	1:417:A:GLY:H	7	0.3
(1,181)	1:418:A:ASP:HB2	1:422:A:LEU:H	19	0.3
(1,178)	1:419:A:GLN:HA	1:422:A:LEU:H	4	0.3
(1,178)	1:419:A:GLN:HA	1:422:A:LEU:H	15	0.3
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD2	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD3	3	0.3
(1,171)	1:483:A:SER:H	1:484:A:LYS:H	14	0.3
(1,171)	1:483:A:SER:H	1:484:A:LYS:H	20	0.3
(1,167)	1:480:A:LEU:H	1:480:A:LEU:HG	6	0.3
(1,155)	1:407:A:LEU:H	1:408:A:PHE:HB2	6	0.3
(1,155)	1:407:A:LEU:H	1:408:A:PHE:HB2	15	0.3
(1,155)	1:407:A:LEU:H	1:408:A:PHE:HB2	17	0.3
(1,144)	1:410:A:TYR:H	1:477:A:LYS:HB2	9	0.3
(1,144)	1:410:A:TYR:H	1:477:A:LYS:HB3	9	0.3
(1,94)	1:451:A:VAL:H	1:452:A:SER:H	16	0.3
(1,79)	1:433:A:SER:H	1:434:A:ALA:H	3	0.3
(1,79)	1:433:A:SER:H	1:434:A:ALA:H	8	0.3
(1,79)	1:433:A:SER:H	1:434:A:ALA:H	19	0.3
(1,79)	1:433:A:SER:H	1:434:A:ALA:H	20	0.3
(1,76)	1:445:A:SER:H	1:446:A:LYS:H	12	0.3
(1,71)	1:414:A:GLN:H	1:414:A:GLN:HG3	14	0.3
(1,71)	1:414:A:GLN:H	1:414:A:GLN:HG3	16	0.3
(1,71)	1:414:A:GLN:H	1:414:A:GLN:HG3	18	0.3
(1,71)	1:414:A:GLN:H	1:414:A:GLN:HG3	19	0.3
(1,54)	1:470:A:GLN:H	1:471:A:ILE:H	17	0.3
(1,48)	1:438:A:ILE:HB	1:439:A:ASP:H	8	0.3
(1,42)	1:439:A:ASP:H	1:444:A:LEU:HG	2	0.3
(1,21)	1:424:A:MET:H	1:426:A:MET:H	5	0.3
(1,21)	1:424:A:MET:H	1:426:A:MET:H	12	0.3
(1,12)	1:440:A:LYS:H	1:442:A:THR:H	19	0.3
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD11	6	0.3
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD12	6	0.3
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD13	6	0.3
(1,4)	1:469:A:PHE:HB3	1:470:A:GLN:H	18	0.3
(1,1602)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	11	0.29
(1,1602)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	11	0.29
(1,1602)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	11	0.29
(1,1602)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	11	0.29
(1,1602)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	11	0.29
(1,1602)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	11	0.29
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE1	11	0.29
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE2	11	0.29
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD1	3	0.29
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD2	3	0.29
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD1	13	0.29
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD2	13	0.29
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	8	0.29
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD1	12	0.29
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD2	12	0.29
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	7	0.29
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	7	0.29
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	7	0.29
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	7	0.29
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	7	0.29
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	7	0.29
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD2	13	0.29
(1,1516)	1:474:A:LYS:HA	1:474:A:LYS:HD3	13	0.29
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG21	14	0.29
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG22	14	0.29
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG23	14	0.29
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD11	6	0.29
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD12	6	0.29
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD13	6	0.29
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB2	8	0.29
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB3	8	0.29
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB2	18	0.29
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB3	18	0.29
(1,1493)	1:455:A:ASN:HB3	1:457:A:VAL:HB	19	0.29
(1,1491)	1:407:A:LEU:HD11	1:459:A:ALA:HA	19	0.29
(1,1491)	1:407:A:LEU:HD12	1:459:A:ALA:HA	19	0.29
(1,1491)	1:407:A:LEU:HD13	1:459:A:ALA:HA	19	0.29
(1,1491)	1:407:A:LEU:HD21	1:459:A:ALA:HA	19	0.29
(1,1491)	1:407:A:LEU:HD22	1:459:A:ALA:HA	19	0.29
(1,1491)	1:407:A:LEU:HD23	1:459:A:ALA:HA	19	0.29
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD2	13	0.29
(1,1488)	1:474:A:LYS:HA	1:474:A:LYS:HD3	13	0.29
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG21	15	0.29
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG22	15	0.29
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG23	15	0.29
(1,1477)	1:481:A:LYS:HA	1:481:A:LYS:HE2	9	0.29
(1,1477)	1:481:A:LYS:HA	1:481:A:LYS:HE3	9	0.29
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	19	0.29
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	19	0.29
(1,1453)	1:433:A:SER:HA	1:434:A:ALA:HA	2	0.29
(1,1453)	1:433:A:SER:HA	1:434:A:ALA:HA	5	0.29
(1,1453)	1:433:A:SER:HA	1:434:A:ALA:HA	6	0.29
(1,1453)	1:433:A:SER:HA	1:434:A:ALA:HA	7	0.29
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG11	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG12	10	0.29
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG13	10	0.29
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG11	14	0.29
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG12	14	0.29
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG13	14	0.29
(1,1415)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	20	0.29
(1,1415)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	20	0.29
(1,1415)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	20	0.29
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD11	10	0.29
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD12	10	0.29
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD13	10	0.29
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD11	10	0.29
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD12	10	0.29
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD13	10	0.29
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD11	10	0.29
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD12	10	0.29
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD13	10	0.29
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD11	10	0.29
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD12	10	0.29
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD13	10	0.29
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD11	10	0.29
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD12	10	0.29
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD13	10	0.29
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD11	10	0.29
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD12	10	0.29
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD13	10	0.29
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	8	0.29
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	8	0.29
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	8	0.29
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	8	0.29
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	8	0.29
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	8	0.29
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	8	0.29
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	8	0.29
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	8	0.29
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	8	0.29
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	8	0.29
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	8	0.29
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	8	0.29
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	8	0.29
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	8	0.29
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	8	0.29
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	8	0.29
(1,1395)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	20	0.29
(1,1395)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	20	0.29
(1,1395)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	20	0.29
(1,1393)	1:432:A:ILE:HG21	1:433:A:SER:HB2	1	0.29
(1,1393)	1:432:A:ILE:HG22	1:433:A:SER:HB2	1	0.29
(1,1393)	1:432:A:ILE:HG23	1:433:A:SER:HB2	1	0.29
(1,1352)	1:412:A:LEU:HG	1:417:A:GLY:HA3	14	0.29
(1,1352)	1:412:A:LEU:HG	1:417:A:GLY:HA3	20	0.29
(1,1350)	1:474:A:LYS:HD2	1:475:A:ARG:HD3	15	0.29
(1,1350)	1:474:A:LYS:HD3	1:475:A:ARG:HD3	15	0.29
(1,1350)	1:474:A:LYS:HD2	1:475:A:ARG:HD3	20	0.29
(1,1350)	1:474:A:LYS:HD3	1:475:A:ARG:HD3	20	0.29
(1,1349)	1:474:A:LYS:HD2	1:475:A:ARG:HD2	17	0.29
(1,1349)	1:474:A:LYS:HD3	1:475:A:ARG:HD2	17	0.29
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	12	0.29
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	12	0.29
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	12	0.29
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	18	0.29
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	18	0.29
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	18	0.29
(1,1336)	1:421:A:ILE:HG13	1:436:A:VAL:HG11	3	0.29
(1,1336)	1:421:A:ILE:HG13	1:436:A:VAL:HG12	3	0.29
(1,1336)	1:421:A:ILE:HG13	1:436:A:VAL:HG13	3	0.29
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG11	10	0.29
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG12	10	0.29
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG13	10	0.29
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG11	14	0.29
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG12	14	0.29
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG13	14	0.29
(1,1326)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	11	0.29
(1,1326)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	11	0.29
(1,1326)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	11	0.29
(1,1326)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	11	0.29
(1,1326)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	11	0.29
(1,1326)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	11	0.29
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG11	14	0.29
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG12	14	0.29
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG13	14	0.29
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	8	0.29
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	8	0.29
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	19	0.29
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	19	0.29
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	19	0.29
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	19	0.29
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	19	0.29
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	19	0.29
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	19	0.29
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	19	0.29
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	19	0.29
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	6	0.29
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	6	0.29
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	6	0.29
(1,1288)	1:431:A:VAL:HG11	1:453:A:TYR:HE1	1	0.29
(1,1288)	1:431:A:VAL:HG11	1:453:A:TYR:HE2	1	0.29
(1,1288)	1:431:A:VAL:HG12	1:453:A:TYR:HE1	1	0.29
(1,1288)	1:431:A:VAL:HG12	1:453:A:TYR:HE2	1	0.29
(1,1288)	1:431:A:VAL:HG13	1:453:A:TYR:HE1	1	0.29
(1,1288)	1:431:A:VAL:HG13	1:453:A:TYR:HE2	1	0.29
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD11	20	0.29
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD12	20	0.29
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD13	20	0.29
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD21	20	0.29
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD22	20	0.29
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD23	20	0.29
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD11	20	0.29
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD12	20	0.29
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD13	20	0.29
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD21	20	0.29
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD22	20	0.29
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD23	20	0.29
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD11	20	0.29
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD12	20	0.29
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD13	20	0.29
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD21	20	0.29
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD22	20	0.29
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD23	20	0.29
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG21	20	0.29
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG22	20	0.29
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG23	20	0.29
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB1	14	0.29
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB2	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB3	14	0.29
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB1	14	0.29
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB2	14	0.29
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB3	14	0.29
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB1	14	0.29
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB2	14	0.29
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB3	14	0.29
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB1	14	0.29
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB2	14	0.29
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB3	14	0.29
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB1	14	0.29
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB2	14	0.29
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB3	14	0.29
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB1	14	0.29
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB2	14	0.29
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB3	14	0.29
(1,1237)	1:422:A:LEU:HG	1:423:A:GLN:H	1	0.29
(1,1227)	1:412:A:LEU:HG	1:413:A:PRO:HG2	1	0.29
(1,1227)	1:412:A:LEU:HG	1:413:A:PRO:HG2	4	0.29
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	6	0.29
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	6	0.29
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	12	0.29
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	12	0.29
(1,1193)	1:406:A:ASN:HA	1:453:A:TYR:H	7	0.29
(1,1164)	1:407:A:LEU:HD11	1:459:A:ALA:HA	19	0.29
(1,1164)	1:407:A:LEU:HD12	1:459:A:ALA:HA	19	0.29
(1,1164)	1:407:A:LEU:HD13	1:459:A:ALA:HA	19	0.29
(1,1164)	1:407:A:LEU:HD21	1:459:A:ALA:HA	19	0.29
(1,1164)	1:407:A:LEU:HD22	1:459:A:ALA:HA	19	0.29
(1,1164)	1:407:A:LEU:HD23	1:459:A:ALA:HA	19	0.29
(1,1157)	1:461:A:ALA:HA	1:464:A:GLN:H	9	0.29
(1,1157)	1:461:A:ALA:HA	1:464:A:GLN:H	19	0.29
(1,1147)	1:424:A:MET:HG2	1:425:A:PHE:H	3	0.29
(1,1147)	1:424:A:MET:HG3	1:425:A:PHE:H	3	0.29
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB2	12	0.29
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB3	12	0.29
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB2	12	0.29
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB3	12	0.29
(1,1121)	1:410:A:TYR:HA	1:449:A:GLY:H	7	0.29
(1,1121)	1:410:A:TYR:HA	1:449:A:GLY:H	8	0.29
(1,1110)	1:423:A:GLN:H	1:423:A:GLN:HG3	9	0.29
(1,1098)	1:440:A:LYS:HA	1:442:A:THR:H	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1097)	1:441:A:GLN:HA	1:444:A:LEU:H	10	0.29
(1,1084)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	1	0.29
(1,1084)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	5	0.29
(1,1079)	1:423:A:GLN:HA	1:426:A:MET:H	3	0.29
(1,1077)	1:413:A:PRO:HB2	1:414:A:GLN:HA	3	0.29
(1,1077)	1:413:A:PRO:HB3	1:414:A:GLN:HA	3	0.29
(1,1077)	1:413:A:PRO:HB2	1:414:A:GLN:HA	17	0.29
(1,1077)	1:413:A:PRO:HB3	1:414:A:GLN:HA	17	0.29
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD11	1	0.29
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD12	1	0.29
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD13	1	0.29
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD11	3	0.29
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD12	3	0.29
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD13	3	0.29
(1,1052)	1:400:A:GLU:HG3	1:401:A:GLY:H	13	0.29
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD11	18	0.29
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD12	18	0.29
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD13	18	0.29
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD11	20	0.29
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD12	20	0.29
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD13	20	0.29
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	8	0.29
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	8	0.29
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	8	0.29
(1,997)	1:485:A:ASN:HB2	1:486:A:ASP:H	8	0.29
(1,982)	1:437:A:PHE:HB2	1:438:A:ILE:HB	14	0.29
(1,965)	1:438:A:ILE:HB	1:439:A:ASP:H	16	0.29
(1,965)	1:438:A:ILE:HB	1:439:A:ASP:H	19	0.29
(1,959)	1:432:A:ILE:HG21	1:454:A:ASP:H	1	0.29
(1,959)	1:432:A:ILE:HG22	1:454:A:ASP:H	1	0.29
(1,959)	1:432:A:ILE:HG23	1:454:A:ASP:H	1	0.29
(1,959)	1:432:A:ILE:HG21	1:454:A:ASP:H	2	0.29
(1,959)	1:432:A:ILE:HG22	1:454:A:ASP:H	2	0.29
(1,959)	1:432:A:ILE:HG23	1:454:A:ASP:H	2	0.29
(1,959)	1:432:A:ILE:HG21	1:454:A:ASP:H	5	0.29
(1,959)	1:432:A:ILE:HG22	1:454:A:ASP:H	5	0.29
(1,959)	1:432:A:ILE:HG23	1:454:A:ASP:H	5	0.29
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE1	9	0.29
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE2	9	0.29
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE3	9	0.29
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE1	9	0.29
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE2	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE3	9	0.29
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE1	9	0.29
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE2	9	0.29
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE3	9	0.29
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE1	14	0.29
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE2	14	0.29
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE3	14	0.29
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE1	14	0.29
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE2	14	0.29
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE3	14	0.29
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE1	14	0.29
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE2	14	0.29
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE3	14	0.29
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE1	16	0.29
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE2	16	0.29
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE3	16	0.29
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE1	16	0.29
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE2	16	0.29
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE3	16	0.29
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE1	16	0.29
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE2	16	0.29
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE3	16	0.29
(1,922)	1:455:A:ASN:HB3	1:458:A:SER:H	18	0.29
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	8	0.29
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	8	0.29
(1,891)	1:439:A:ASP:HB3	1:444:A:LEU:H	18	0.29
(1,877)	1:408:A:PHE:HB2	1:479:A:GLN:H	1	0.29
(1,877)	1:408:A:PHE:HB3	1:479:A:GLN:H	1	0.29
(1,877)	1:408:A:PHE:HB2	1:479:A:GLN:H	4	0.29
(1,877)	1:408:A:PHE:HB3	1:479:A:GLN:H	4	0.29
(1,877)	1:408:A:PHE:HB2	1:479:A:GLN:H	19	0.29
(1,877)	1:408:A:PHE:HB3	1:479:A:GLN:H	19	0.29
(1,874)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	12	0.29
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG21	20	0.29
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG22	20	0.29
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG23	20	0.29
(1,861)	1:452:A:SER:HB2	1:453:A:TYR:H	6	0.29
(1,861)	1:452:A:SER:HB2	1:453:A:TYR:H	10	0.29
(1,852)	1:405:A:ALA:HB1	1:455:A:ASN:H	16	0.29
(1,852)	1:405:A:ALA:HB2	1:455:A:ASN:H	16	0.29
(1,852)	1:405:A:ALA:HB3	1:455:A:ASN:H	16	0.29
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB1	20	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB2	20	0.29
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB3	20	0.29
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	12	0.29
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	12	0.29
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	12	0.29
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	18	0.29
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	18	0.29
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	18	0.29
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	7	0.29
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	7	0.29
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	7	0.29
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	7	0.29
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	7	0.29
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	7	0.29
(1,836)	1:444:A:LEU:HB3	1:445:A:SER:H	15	0.29
(1,832)	1:401:A:GLY:HA3	1:402:A:PRO:HG2	19	0.29
(1,831)	1:450:A:PHE:HB3	1:451:A:VAL:HB	9	0.29
(1,831)	1:450:A:PHE:HB3	1:451:A:VAL:HB	16	0.29
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	6	0.29
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	6	0.29
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	6	0.29
(1,817)	1:431:A:VAL:HB	1:434:A:ALA:HB1	3	0.29
(1,817)	1:431:A:VAL:HB	1:434:A:ALA:HB2	3	0.29
(1,817)	1:431:A:VAL:HB	1:434:A:ALA:HB3	3	0.29
(1,817)	1:431:A:VAL:HB	1:434:A:ALA:HB1	13	0.29
(1,817)	1:431:A:VAL:HB	1:434:A:ALA:HB2	13	0.29
(1,817)	1:431:A:VAL:HB	1:434:A:ALA:HB3	13	0.29
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB1	2	0.29
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB2	2	0.29
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB3	2	0.29
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB1	18	0.29
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB2	18	0.29
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB3	18	0.29
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB2	7	0.29
(1,806)	1:465:A:ALA:HB1	1:466:A:MET:HB3	7	0.29
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB2	7	0.29
(1,806)	1:465:A:ALA:HB2	1:466:A:MET:HB3	7	0.29
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB2	7	0.29
(1,806)	1:465:A:ALA:HB3	1:466:A:MET:HB3	7	0.29
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB1	13	0.29
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB2	13	0.29
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB3	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG11	12	0.29
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG12	12	0.29
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG13	12	0.29
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB2	13	0.29
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB3	13	0.29
(1,763)	1:457:A:VAL:HG11	1:459:A:ALA:H	13	0.29
(1,763)	1:457:A:VAL:HG12	1:459:A:ALA:H	13	0.29
(1,763)	1:457:A:VAL:HG13	1:459:A:ALA:H	13	0.29
(1,763)	1:457:A:VAL:HG21	1:459:A:ALA:H	13	0.29
(1,763)	1:457:A:VAL:HG22	1:459:A:ALA:H	13	0.29
(1,763)	1:457:A:VAL:HG23	1:459:A:ALA:H	13	0.29
(1,763)	1:457:A:VAL:HG11	1:459:A:ALA:H	18	0.29
(1,763)	1:457:A:VAL:HG12	1:459:A:ALA:H	18	0.29
(1,763)	1:457:A:VAL:HG13	1:459:A:ALA:H	18	0.29
(1,763)	1:457:A:VAL:HG21	1:459:A:ALA:H	18	0.29
(1,763)	1:457:A:VAL:HG22	1:459:A:ALA:H	18	0.29
(1,763)	1:457:A:VAL:HG23	1:459:A:ALA:H	18	0.29
(1,752)	1:436:A:VAL:HG21	1:437:A:PHE:H	9	0.29
(1,752)	1:436:A:VAL:HG22	1:437:A:PHE:H	9	0.29
(1,752)	1:436:A:VAL:HG23	1:437:A:PHE:H	9	0.29
(1,752)	1:436:A:VAL:HG21	1:437:A:PHE:H	14	0.29
(1,752)	1:436:A:VAL:HG22	1:437:A:PHE:H	14	0.29
(1,752)	1:436:A:VAL:HG23	1:437:A:PHE:H	14	0.29
(1,749)	1:417:A:GLY:H	1:436:A:VAL:HG21	12	0.29
(1,749)	1:417:A:GLY:H	1:436:A:VAL:HG22	12	0.29
(1,749)	1:417:A:GLY:H	1:436:A:VAL:HG23	12	0.29
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG11	11	0.29
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG12	11	0.29
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG13	11	0.29
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG11	11	0.29
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG12	11	0.29
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG13	11	0.29
(1,725)	1:407:A:LEU:HB3	1:425:A:PHE:HD1	11	0.29
(1,725)	1:407:A:LEU:HB3	1:425:A:PHE:HD2	11	0.29
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD11	7	0.29
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD12	7	0.29
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD13	7	0.29
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD21	7	0.29
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD22	7	0.29
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD23	7	0.29
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	8	0.29
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	8	0.29
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	8	0.29
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	8	0.29
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	8	0.29
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	8	0.29
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	8	0.29
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	8	0.29
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	8	0.29
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	8	0.29
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	8	0.29
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	8	0.29
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	8	0.29
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	8	0.29
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	8	0.29
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	8	0.29
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	8	0.29
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD11	13	0.29
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD12	13	0.29
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD13	13	0.29
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD21	13	0.29
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD22	13	0.29
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD23	13	0.29
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD11	16	0.29
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD12	16	0.29
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD13	16	0.29
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD21	16	0.29
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD22	16	0.29
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD23	16	0.29
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD11	20	0.29
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD12	20	0.29
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD13	20	0.29
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD21	20	0.29
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD22	20	0.29
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD23	20	0.29
(1,692)	1:471:A:ILE:HA	1:472:A:GLY:HA2	3	0.29
(1,692)	1:471:A:ILE:HA	1:472:A:GLY:HA2	4	0.29
(1,692)	1:471:A:ILE:HA	1:472:A:GLY:HA2	8	0.29
(1,692)	1:471:A:ILE:HA	1:472:A:GLY:HA2	11	0.29
(1,692)	1:471:A:ILE:HA	1:472:A:GLY:HA2	12	0.29
(1,692)	1:471:A:ILE:HA	1:472:A:GLY:HA2	17	0.29
(1,691)	1:480:A:LEU:HD11	1:481:A:LYS:HB3	2	0.29
(1,691)	1:480:A:LEU:HD12	1:481:A:LYS:HB3	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,691)	1:480:A:LEU:HD13	1:481:A:LYS:HB3	2	0.29
(1,691)	1:480:A:LEU:HD21	1:481:A:LYS:HB3	2	0.29
(1,691)	1:480:A:LEU:HD22	1:481:A:LYS:HB3	2	0.29
(1,691)	1:480:A:LEU:HD23	1:481:A:LYS:HB3	2	0.29
(1,667)	1:473:A:MET:HG2	1:474:A:LYS:HG2	7	0.29
(1,655)	1:474:A:LYS:H	1:474:A:LYS:HG3	8	0.29
(1,655)	1:474:A:LYS:H	1:474:A:LYS:HG3	15	0.29
(1,655)	1:474:A:LYS:H	1:474:A:LYS:HG3	19	0.29
(1,655)	1:474:A:LYS:H	1:474:A:LYS:HG3	20	0.29
(1,653)	1:474:A:LYS:HG3	1:475:A:ARG:H	13	0.29
(1,647)	1:407:A:LEU:HD11	1:408:A:PHE:H	13	0.29
(1,647)	1:407:A:LEU:HD12	1:408:A:PHE:H	13	0.29
(1,647)	1:407:A:LEU:HD13	1:408:A:PHE:H	13	0.29
(1,647)	1:407:A:LEU:HD21	1:408:A:PHE:H	13	0.29
(1,647)	1:407:A:LEU:HD22	1:408:A:PHE:H	13	0.29
(1,647)	1:407:A:LEU:HD23	1:408:A:PHE:H	13	0.29
(1,643)	1:410:A:TYR:HB2	1:412:A:LEU:HG	9	0.29
(1,643)	1:410:A:TYR:HB2	1:412:A:LEU:HG	15	0.29
(1,639)	1:469:A:PHE:HB3	1:476:A:LEU:HG	20	0.29
(1,634)	1:469:A:PHE:HE1	1:476:A:LEU:HG	8	0.29
(1,634)	1:469:A:PHE:HE2	1:476:A:LEU:HG	8	0.29
(1,632)	1:476:A:LEU:H	1:476:A:LEU:HG	17	0.29
(1,628)	1:402:A:PRO:HD3	1:405:A:ALA:H	3	0.29
(1,615)	1:407:A:LEU:HG	1:462:A:ALA:H	8	0.29
(1,612)	1:407:A:LEU:HG	1:451:A:VAL:H	1	0.29
(1,609)	1:409:A:ILE:HA	1:411:A:HIS:HB2	1	0.29
(1,609)	1:409:A:ILE:HA	1:411:A:HIS:HB2	5	0.29
(1,598)	1:429:A:GLY:H	1:430:A:ASN:H	5	0.29
(1,598)	1:429:A:GLY:H	1:430:A:ASN:H	19	0.29
(1,597)	1:441:A:GLN:HB3	1:442:A:THR:H	1	0.29
(1,595)	1:439:A:ASP:HB3	1:442:A:THR:H	13	0.29
(1,590)	1:410:A:TYR:HA	1:449:A:GLY:H	7	0.29
(1,590)	1:410:A:TYR:HA	1:449:A:GLY:H	8	0.29
(1,587)	1:449:A:GLY:H	1:450:A:PHE:H	7	0.29
(1,587)	1:449:A:GLY:H	1:450:A:PHE:H	13	0.29
(1,587)	1:449:A:GLY:H	1:450:A:PHE:H	18	0.29
(1,580)	1:401:A:GLY:H	1:406:A:ASN:HD21	14	0.29
(1,548)	1:404:A:GLY:H	1:406:A:ASN:HD21	11	0.29
(1,544)	1:432:A:ILE:HG21	1:454:A:ASP:H	1	0.29
(1,544)	1:432:A:ILE:HG22	1:454:A:ASP:H	1	0.29
(1,544)	1:432:A:ILE:HG23	1:454:A:ASP:H	1	0.29
(1,544)	1:432:A:ILE:HG21	1:454:A:ASP:H	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,544)	1:432:A:ILE:HG22	1:454:A:ASP:H	2	0.29
(1,544)	1:432:A:ILE:HG23	1:454:A:ASP:H	2	0.29
(1,544)	1:432:A:ILE:HG21	1:454:A:ASP:H	5	0.29
(1,544)	1:432:A:ILE:HG22	1:454:A:ASP:H	5	0.29
(1,544)	1:432:A:ILE:HG23	1:454:A:ASP:H	5	0.29
(1,541)	1:454:A:ASP:H	1:458:A:SER:HB3	17	0.29
(1,525)	1:433:A:SER:H	1:451:A:VAL:HG11	13	0.29
(1,525)	1:433:A:SER:H	1:451:A:VAL:HG12	13	0.29
(1,525)	1:433:A:SER:H	1:451:A:VAL:HG13	13	0.29
(1,520)	1:433:A:SER:H	1:453:A:TYR:HA	15	0.29
(1,504)	1:409:A:ILE:HA	1:412:A:LEU:H	19	0.29
(1,488)	1:406:A:ASN:H	1:407:A:LEU:HB3	13	0.29
(1,477)	1:444:A:LEU:HB3	1:445:A:SER:H	15	0.29
(1,473)	1:444:A:LEU:H	1:445:A:SER:H	8	0.29
(1,468)	1:421:A:ILE:HG21	1:423:A:GLN:H	18	0.29
(1,468)	1:421:A:ILE:HG22	1:423:A:GLN:H	18	0.29
(1,468)	1:421:A:ILE:HG23	1:423:A:GLN:H	18	0.29
(1,466)	1:422:A:LEU:HB2	1:423:A:GLN:H	11	0.29
(1,456)	1:457:A:VAL:HA	1:460:A:GLN:H	14	0.29
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG21	10	0.29
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG22	10	0.29
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG23	10	0.29
(1,438)	1:420:A:ASP:HB3	1:421:A:ILE:H	10	0.29
(1,438)	1:420:A:ASP:HB3	1:421:A:ILE:H	11	0.29
(1,424)	1:443:A:ASN:H	1:444:A:LEU:HB3	9	0.29
(1,408)	1:420:A:ASP:H	1:422:A:LEU:H	11	0.29
(1,376)	1:444:A:LEU:H	1:445:A:SER:H	8	0.29
(1,369)	1:482:A:ARG:HB3	1:483:A:SER:H	12	0.29
(1,367)	1:468:A:GLY:H	1:469:A:PHE:HB2	20	0.29
(1,363)	1:407:A:LEU:HD11	1:463:A:ILE:H	11	0.29
(1,363)	1:407:A:LEU:HD12	1:463:A:ILE:H	11	0.29
(1,363)	1:407:A:LEU:HD13	1:463:A:ILE:H	11	0.29
(1,363)	1:407:A:LEU:HD21	1:463:A:ILE:H	11	0.29
(1,363)	1:407:A:LEU:HD22	1:463:A:ILE:H	11	0.29
(1,363)	1:407:A:LEU:HD23	1:463:A:ILE:H	11	0.29
(1,352)	1:407:A:LEU:HD11	1:408:A:PHE:H	13	0.29
(1,352)	1:407:A:LEU:HD12	1:408:A:PHE:H	13	0.29
(1,352)	1:407:A:LEU:HD13	1:408:A:PHE:H	13	0.29
(1,352)	1:407:A:LEU:HD21	1:408:A:PHE:H	13	0.29
(1,352)	1:407:A:LEU:HD22	1:408:A:PHE:H	13	0.29
(1,352)	1:407:A:LEU:HD23	1:408:A:PHE:H	13	0.29
(1,344)	1:467:A:ASN:H	1:468:A:GLY:H	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,340)	1:465:A:ALA:H	1:467:A:ASN:H	4	0.29
(1,340)	1:465:A:ALA:H	1:467:A:ASN:H	19	0.29
(1,338)	1:408:A:PHE:H	1:409:A:ILE:H	7	0.29
(1,304)	1:405:A:ALA:H	1:406:A:ASN:HD22	11	0.29
(1,298)	1:405:A:ALA:H	1:453:A:TYR:HB3	8	0.29
(1,294)	1:409:A:ILE:HD11	1:450:A:PHE:H	14	0.29
(1,294)	1:409:A:ILE:HD12	1:450:A:PHE:H	14	0.29
(1,294)	1:409:A:ILE:HD13	1:450:A:PHE:H	14	0.29
(1,289)	1:435:A:LYS:HB2	1:450:A:PHE:H	1	0.29
(1,289)	1:435:A:LYS:HB3	1:450:A:PHE:H	1	0.29
(1,285)	1:449:A:GLY:H	1:450:A:PHE:H	7	0.29
(1,285)	1:449:A:GLY:H	1:450:A:PHE:H	13	0.29
(1,285)	1:449:A:GLY:H	1:450:A:PHE:H	18	0.29
(1,284)	1:450:A:PHE:H	1:450:A:PHE:HE1	14	0.29
(1,284)	1:450:A:PHE:H	1:450:A:PHE:HE2	14	0.29
(1,279)	1:458:A:SER:HB3	1:459:A:ALA:H	7	0.29
(1,271)	1:456:A:PRO:HD2	1:457:A:VAL:H	7	0.29
(1,260)	1:408:A:PHE:H	1:409:A:ILE:H	7	0.29
(1,251)	1:452:A:SER:HB2	1:453:A:TYR:H	6	0.29
(1,251)	1:452:A:SER:HB2	1:453:A:TYR:H	10	0.29
(1,243)	1:400:A:GLU:H	1:401:A:GLY:H	17	0.29
(1,221)	1:407:A:LEU:HG	1:462:A:ALA:H	8	0.29
(1,212)	1:462:A:ALA:H	1:464:A:GLN:H	9	0.29
(1,210)	1:418:A:ASP:H	1:420:A:ASP:HB2	14	0.29
(1,205)	1:415:A:GLU:HG2	1:416:A:PHE:H	20	0.29
(1,205)	1:415:A:GLU:HG3	1:416:A:PHE:H	20	0.29
(1,181)	1:418:A:ASP:HB2	1:422:A:LEU:H	13	0.29
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD2	11	0.29
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD3	11	0.29
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD2	20	0.29
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD3	20	0.29
(1,155)	1:407:A:LEU:H	1:408:A:PHE:HB2	11	0.29
(1,144)	1:410:A:TYR:H	1:477:A:LYS:HB2	7	0.29
(1,144)	1:410:A:TYR:H	1:477:A:LYS:HB3	7	0.29
(1,105)	1:408:A:PHE:HB3	1:479:A:GLN:H	17	0.29
(1,103)	1:407:A:LEU:HG	1:479:A:GLN:H	3	0.29
(1,92)	1:477:A:LYS:H	1:478:A:VAL:H	1	0.29
(1,92)	1:477:A:LYS:H	1:478:A:VAL:H	9	0.29
(1,79)	1:433:A:SER:H	1:434:A:ALA:H	15	0.29
(1,71)	1:414:A:GLN:H	1:414:A:GLN:HG3	15	0.29
(1,62)	1:435:A:LYS:HE2	1:437:A:PHE:H	16	0.29
(1,62)	1:435:A:LYS:HE3	1:437:A:PHE:H	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,60)	1:436:A:VAL:HG21	1:437:A:PHE:H	9	0.29
(1,60)	1:436:A:VAL:HG22	1:437:A:PHE:H	9	0.29
(1,60)	1:436:A:VAL:HG23	1:437:A:PHE:H	9	0.29
(1,60)	1:436:A:VAL:HG21	1:437:A:PHE:H	14	0.29
(1,60)	1:436:A:VAL:HG22	1:437:A:PHE:H	14	0.29
(1,60)	1:436:A:VAL:HG23	1:437:A:PHE:H	14	0.29
(1,48)	1:438:A:ILE:HB	1:439:A:ASP:H	16	0.29
(1,48)	1:438:A:ILE:HB	1:439:A:ASP:H	19	0.29
(1,33)	1:477:A:LYS:H	1:478:A:VAL:H	1	0.29
(1,33)	1:477:A:LYS:H	1:478:A:VAL:H	9	0.29
(1,28)	1:439:A:ASP:HB2	1:440:A:LYS:H	9	0.29
(1,28)	1:439:A:ASP:HB2	1:440:A:LYS:H	16	0.29
(1,22)	1:423:A:GLN:HA	1:426:A:MET:H	3	0.29
(1,21)	1:424:A:MET:H	1:426:A:MET:H	16	0.29
(1,5)	1:469:A:PHE:HB2	1:470:A:GLN:H	2	0.29
(1,5)	1:469:A:PHE:HB2	1:470:A:GLN:H	7	0.29
(1,1598)	1:453:A:TYR:HE1	1:459:A:ALA:HA	9	0.28
(1,1598)	1:453:A:TYR:HE2	1:459:A:ALA:HA	9	0.28
(1,1589)	1:411:A:HIS:HA	1:411:A:HIS:HD2	14	0.28
(1,1586)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	9	0.28
(1,1586)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	9	0.28
(1,1586)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	9	0.28
(1,1586)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	9	0.28
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	10	0.28
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	10	0.28
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	10	0.28
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	10	0.28
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	10	0.28
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	10	0.28
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	17	0.28
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	17	0.28
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	17	0.28
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	17	0.28
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	17	0.28
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	17	0.28
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB1	1	0.28
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB2	1	0.28
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB3	1	0.28
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB1	1	0.28
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB2	1	0.28
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB3	1	0.28
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG21	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG22	5	0.28
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG23	5	0.28
(1,1514)	1:409:A:ILE:HG12	1:478:A:VAL:HG11	11	0.28
(1,1514)	1:409:A:ILE:HG12	1:478:A:VAL:HG12	11	0.28
(1,1514)	1:409:A:ILE:HG12	1:478:A:VAL:HG13	11	0.28
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG21	19	0.28
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG22	19	0.28
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG23	19	0.28
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG21	18	0.28
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG22	18	0.28
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG23	18	0.28
(1,1493)	1:455:A:ASN:HB3	1:457:A:VAL:HB	10	0.28
(1,1491)	1:407:A:LEU:HD11	1:459:A:ALA:HA	8	0.28
(1,1491)	1:407:A:LEU:HD12	1:459:A:ALA:HA	8	0.28
(1,1491)	1:407:A:LEU:HD13	1:459:A:ALA:HA	8	0.28
(1,1491)	1:407:A:LEU:HD21	1:459:A:ALA:HA	8	0.28
(1,1491)	1:407:A:LEU:HD22	1:459:A:ALA:HA	8	0.28
(1,1491)	1:407:A:LEU:HD23	1:459:A:ALA:HA	8	0.28
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	7	0.28
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	7	0.28
(1,1469)	1:483:A:SER:HB2	1:484:A:LYS:HA	5	0.28
(1,1469)	1:483:A:SER:HB3	1:484:A:LYS:HA	5	0.28
(1,1453)	1:433:A:SER:HA	1:434:A:ALA:HA	19	0.28
(1,1452)	1:432:A:ILE:HG21	1:433:A:SER:HA	10	0.28
(1,1452)	1:432:A:ILE:HG22	1:433:A:SER:HA	10	0.28
(1,1452)	1:432:A:ILE:HG23	1:433:A:SER:HA	10	0.28
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	12	0.28
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	12	0.28
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	12	0.28
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	12	0.28
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	12	0.28
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	12	0.28
(1,1415)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	5	0.28
(1,1415)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	5	0.28
(1,1415)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	5	0.28
(1,1404)	1:420:A:ASP:HB2	1:423:A:GLN:HA	12	0.28
(1,1395)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	5	0.28
(1,1395)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	5	0.28
(1,1395)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	5	0.28
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB1	17	0.28
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB2	17	0.28
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB3	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB1	17	0.28
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB2	17	0.28
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB3	17	0.28
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB1	17	0.28
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB2	17	0.28
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB3	17	0.28
(1,1352)	1:412:A:LEU:HG	1:417:A:GLY:HA3	1	0.28
(1,1352)	1:412:A:LEU:HG	1:417:A:GLY:HA3	11	0.28
(1,1348)	1:475:A:ARG:HA	1:475:A:ARG:HD2	2	0.28
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	8	0.28
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	8	0.28
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	8	0.28
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	10	0.28
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	10	0.28
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	10	0.28
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	14	0.28
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	14	0.28
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	14	0.28
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	10	0.28
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	10	0.28
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	10	0.28
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	10	0.28
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	10	0.28
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	10	0.28
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	17	0.28
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	17	0.28
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	17	0.28
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	17	0.28
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	17	0.28
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	17	0.28
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG11	19	0.28
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG12	19	0.28
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG13	19	0.28
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG11	19	0.28
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG12	19	0.28
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG13	19	0.28
(1,1322)	1:436:A:VAL:HG11	1:448:A:PHE:HA	1	0.28
(1,1322)	1:436:A:VAL:HG12	1:448:A:PHE:HA	1	0.28
(1,1322)	1:436:A:VAL:HG13	1:448:A:PHE:HA	1	0.28
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB1	8	0.28
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB2	8	0.28
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB3	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG11	5	0.28
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG12	5	0.28
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG13	5	0.28
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG11	13	0.28
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG12	13	0.28
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG13	13	0.28
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	8	0.28
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	8	0.28
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	8	0.28
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	8	0.28
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	8	0.28
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	8	0.28
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	8	0.28
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	8	0.28
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	8	0.28
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	4	0.28
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	4	0.28
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	4	0.28
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD11	2	0.28
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD12	2	0.28
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD13	2	0.28
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD21	2	0.28
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD22	2	0.28
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD23	2	0.28
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD11	2	0.28
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD12	2	0.28
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD13	2	0.28
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD21	2	0.28
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD22	2	0.28
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD23	2	0.28
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD11	2	0.28
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD12	2	0.28
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD13	2	0.28
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD21	2	0.28
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD22	2	0.28
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD23	2	0.28
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD11	11	0.28
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD12	11	0.28
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD13	11	0.28
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD21	11	0.28
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD22	11	0.28
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD23	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG2	20	0.28
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG3	20	0.28
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG2	20	0.28
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG3	20	0.28
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG2	20	0.28
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG3	20	0.28
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG2	20	0.28
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG3	20	0.28
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG2	20	0.28
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG3	20	0.28
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG2	20	0.28
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG3	20	0.28
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD11	11	0.28
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD12	11	0.28
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD13	11	0.28
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD21	11	0.28
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD22	11	0.28
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD23	11	0.28
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	13	0.28
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	13	0.28
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	13	0.28
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	13	0.28
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	13	0.28
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	13	0.28
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	13	0.28
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	13	0.28
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	13	0.28
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	13	0.28
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	13	0.28
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	13	0.28
(1,1179)	1:463:A:ILE:HD11	1:479:A:GLN:HA	4	0.28
(1,1179)	1:463:A:ILE:HD12	1:479:A:GLN:HA	4	0.28
(1,1179)	1:463:A:ILE:HD13	1:479:A:GLN:HA	4	0.28
(1,1179)	1:463:A:ILE:HD11	1:479:A:GLN:HA	13	0.28
(1,1179)	1:463:A:ILE:HD12	1:479:A:GLN:HA	13	0.28
(1,1179)	1:463:A:ILE:HD13	1:479:A:GLN:HA	13	0.28
(1,1174)	1:439:A:ASP:HA	1:442:A:THR:H	20	0.28
(1,1164)	1:407:A:LEU:HD11	1:459:A:ALA:HA	8	0.28
(1,1164)	1:407:A:LEU:HD12	1:459:A:ALA:HA	8	0.28
(1,1164)	1:407:A:LEU:HD13	1:459:A:ALA:HA	8	0.28
(1,1164)	1:407:A:LEU:HD21	1:459:A:ALA:HA	8	0.28
(1,1164)	1:407:A:LEU:HD22	1:459:A:ALA:HA	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:407:A:LEU:HD23	1:459:A:ALA:HA	8	0.28
(1,1163)	1:453:A:TYR:HE1	1:459:A:ALA:HA	9	0.28
(1,1163)	1:453:A:TYR:HE2	1:459:A:ALA:HA	9	0.28
(1,1161)	1:459:A:ALA:HA	1:461:A:ALA:H	18	0.28
(1,1157)	1:461:A:ALA:HA	1:464:A:GLN:H	3	0.28
(1,1157)	1:461:A:ALA:HA	1:464:A:GLN:H	5	0.28
(1,1157)	1:461:A:ALA:HA	1:464:A:GLN:H	13	0.28
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG2	7	0.28
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG3	7	0.28
(1,1137)	1:446:A:LYS:HB2	1:489:A:PRO:HD2	19	0.28
(1,1137)	1:446:A:LYS:HB3	1:489:A:PRO:HD2	19	0.28
(1,1121)	1:410:A:TYR:HA	1:449:A:GLY:H	17	0.28
(1,1098)	1:440:A:LYS:HA	1:442:A:THR:H	15	0.28
(1,1097)	1:441:A:GLN:HA	1:444:A:LEU:H	2	0.28
(1,1089)	1:419:A:GLN:HA	1:422:A:LEU:HB3	20	0.28
(1,1077)	1:413:A:PRO:HB2	1:414:A:GLN:HA	1	0.28
(1,1077)	1:413:A:PRO:HB3	1:414:A:GLN:HA	1	0.28
(1,1077)	1:413:A:PRO:HB2	1:414:A:GLN:HA	4	0.28
(1,1077)	1:413:A:PRO:HB3	1:414:A:GLN:HA	4	0.28
(1,1077)	1:413:A:PRO:HB2	1:414:A:GLN:HA	19	0.28
(1,1077)	1:413:A:PRO:HB3	1:414:A:GLN:HA	19	0.28
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD11	17	0.28
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD12	17	0.28
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD13	17	0.28
(1,1066)	1:414:A:GLN:HA	1:415:A:GLU:HA	18	0.28
(1,1052)	1:400:A:GLU:HG3	1:401:A:GLY:H	16	0.28
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD11	13	0.28
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD12	13	0.28
(1,1030)	1:413:A:PRO:HD2	1:471:A:ILE:HD13	13	0.28
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD11	13	0.28
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD12	13	0.28
(1,1030)	1:413:A:PRO:HD3	1:471:A:ILE:HD13	13	0.28
(1,1027)	1:471:A:ILE:HD11	1:472:A:GLY:H	1	0.28
(1,1027)	1:471:A:ILE:HD12	1:472:A:GLY:H	1	0.28
(1,1027)	1:471:A:ILE:HD13	1:472:A:GLY:H	1	0.28
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD11	6	0.28
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD12	6	0.28
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD13	6	0.28
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD11	14	0.28
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD12	14	0.28
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD13	14	0.28
(1,1012)	1:462:A:ALA:H	1:463:A:ILE:HB	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1010)	1:425:A:PHE:HB2	1:453:A:TYR:HE1	12	0.28
(1,1010)	1:425:A:PHE:HB2	1:453:A:TYR:HE2	12	0.28
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD11	14	0.28
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD12	14	0.28
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD13	14	0.28
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	13	0.28
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	13	0.28
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	13	0.28
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	13	0.28
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	13	0.28
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	13	0.28
(1,991)	1:409:A:ILE:HD11	1:451:A:VAL:H	8	0.28
(1,991)	1:409:A:ILE:HD12	1:451:A:VAL:H	8	0.28
(1,991)	1:409:A:ILE:HD13	1:451:A:VAL:H	8	0.28
(1,982)	1:437:A:PHE:HB2	1:438:A:ILE:HB	19	0.28
(1,959)	1:432:A:ILE:HG21	1:454:A:ASP:H	4	0.28
(1,959)	1:432:A:ILE:HG22	1:454:A:ASP:H	4	0.28
(1,959)	1:432:A:ILE:HG23	1:454:A:ASP:H	4	0.28
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE1	4	0.28
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE2	4	0.28
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE3	4	0.28
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE1	4	0.28
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE2	4	0.28
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE3	4	0.28
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE1	4	0.28
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE2	4	0.28
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE3	4	0.28
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE1	6	0.28
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE2	6	0.28
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE3	6	0.28
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE1	6	0.28
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE2	6	0.28
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE3	6	0.28
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE1	6	0.28
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE2	6	0.28
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE3	6	0.28
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE2	3	0.28
(1,907)	1:484:A:LYS:HB3	1:484:A:LYS:HE3	3	0.28
(1,901)	1:462:A:ALA:HB1	1:465:A:ALA:H	4	0.28
(1,901)	1:462:A:ALA:HB2	1:465:A:ALA:H	4	0.28
(1,901)	1:462:A:ALA:HB3	1:465:A:ALA:H	4	0.28
(1,888)	1:448:A:PHE:HB2	1:449:A:GLY:HA2	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,888)	1:448:A:PHE:HB3	1:449:A:GLY:HA2	3	0.28
(1,885)	1:433:A:SER:HB2	1:434:A:ALA:H	13	0.28
(1,885)	1:433:A:SER:HB2	1:434:A:ALA:H	17	0.28
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB2	8	0.28
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB3	8	0.28
(1,863)	1:417:A:GLY:HA3	1:419:A:GLN:H	4	0.28
(1,861)	1:452:A:SER:HB2	1:453:A:TYR:H	15	0.28
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB1	7	0.28
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB2	7	0.28
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB3	7	0.28
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	10	0.28
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	10	0.28
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	10	0.28
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	14	0.28
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	14	0.28
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	14	0.28
(1,836)	1:444:A:LEU:HB3	1:445:A:SER:H	8	0.28
(1,836)	1:444:A:LEU:HB3	1:445:A:SER:H	19	0.28
(1,831)	1:450:A:PHE:HB3	1:451:A:VAL:HB	4	0.28
(1,831)	1:450:A:PHE:HB3	1:451:A:VAL:HB	12	0.28
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	2	0.28
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	2	0.28
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	2	0.28
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB1	8	0.28
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB2	8	0.28
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB3	8	0.28
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB1	6	0.28
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB2	6	0.28
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB3	6	0.28
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB1	10	0.28
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB2	10	0.28
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB3	10	0.28
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB1	12	0.28
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB2	12	0.28
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB3	12	0.28
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	11	0.28
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	11	0.28
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	11	0.28
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	11	0.28
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	11	0.28
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	11	0.28
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	11	0.28
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	11	0.28
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG21	5	0.28
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG22	5	0.28
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG23	5	0.28
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	5	0.28
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	5	0.28
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	5	0.28
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	5	0.28
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	5	0.28
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	5	0.28
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG11	8	0.28
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG12	8	0.28
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG13	8	0.28
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG21	8	0.28
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG22	8	0.28
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG23	8	0.28
(1,729)	1:407:A:LEU:HB2	1:408:A:PHE:H	14	0.28
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD11	14	0.28
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD12	14	0.28
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD13	14	0.28
(1,725)	1:407:A:LEU:HB3	1:425:A:PHE:HD1	12	0.28
(1,725)	1:407:A:LEU:HB3	1:425:A:PHE:HD2	12	0.28
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD11	4	0.28
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD12	4	0.28
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD13	4	0.28
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD21	4	0.28
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD22	4	0.28
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD23	4	0.28
(1,692)	1:471:A:ILE:HA	1:472:A:GLY:HA2	7	0.28
(1,692)	1:471:A:ILE:HA	1:472:A:GLY:HA2	9	0.28
(1,684)	1:399:A:LYS:HG2	1:400:A:GLU:H	2	0.28
(1,684)	1:399:A:LYS:HG3	1:400:A:GLU:H	2	0.28
(1,684)	1:399:A:LYS:HG2	1:400:A:GLU:H	6	0.28
(1,684)	1:399:A:LYS:HG3	1:400:A:GLU:H	6	0.28
(1,676)	1:481:A:LYS:HG2	1:482:A:ARG:H	4	0.28
(1,676)	1:481:A:LYS:HG3	1:482:A:ARG:H	4	0.28
(1,667)	1:473:A:MET:HG2	1:474:A:LYS:HG2	8	0.28
(1,667)	1:473:A:MET:HG2	1:474:A:LYS:HG2	16	0.28
(1,667)	1:473:A:MET:HG2	1:474:A:LYS:HG2	17	0.28
(1,664)	1:471:A:ILE:HG21	1:474:A:LYS:HG3	5	0.28
(1,664)	1:471:A:ILE:HG22	1:474:A:LYS:HG3	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,664)	1:471:A:ILE:HG23	1:474:A:LYS:HG3	5	0.28
(1,664)	1:471:A:ILE:HG21	1:474:A:LYS:HG3	10	0.28
(1,664)	1:471:A:ILE:HG22	1:474:A:LYS:HG3	10	0.28
(1,664)	1:471:A:ILE:HG23	1:474:A:LYS:HG3	10	0.28
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG21	15	0.28
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG22	15	0.28
(1,650)	1:407:A:LEU:HD11	1:451:A:VAL:HG23	15	0.28
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG21	15	0.28
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG22	15	0.28
(1,650)	1:407:A:LEU:HD12	1:451:A:VAL:HG23	15	0.28
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG21	15	0.28
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG22	15	0.28
(1,650)	1:407:A:LEU:HD13	1:451:A:VAL:HG23	15	0.28
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG21	15	0.28
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG22	15	0.28
(1,650)	1:407:A:LEU:HD21	1:451:A:VAL:HG23	15	0.28
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG21	15	0.28
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG22	15	0.28
(1,650)	1:407:A:LEU:HD22	1:451:A:VAL:HG23	15	0.28
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG21	15	0.28
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG22	15	0.28
(1,650)	1:407:A:LEU:HD23	1:451:A:VAL:HG23	15	0.28
(1,634)	1:469:A:PHE:HE1	1:476:A:LEU:HG	18	0.28
(1,634)	1:469:A:PHE:HE2	1:476:A:LEU:HG	18	0.28
(1,624)	1:402:A:PRO:HD2	1:403:A:GLU:HB2	2	0.28
(1,624)	1:402:A:PRO:HD2	1:403:A:GLU:HB2	3	0.28
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	10	0.28
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	10	0.28
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	10	0.28
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	10	0.28
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	10	0.28
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	10	0.28
(1,619)	1:407:A:LEU:HG	1:453:A:TYR:H	20	0.28
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG11	8	0.28
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG12	8	0.28
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG13	8	0.28
(1,614)	1:407:A:LEU:H	1:407:A:LEU:HG	8	0.28
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD1	5	0.28
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD2	5	0.28
(1,609)	1:409:A:ILE:HA	1:411:A:HIS:HB2	3	0.28
(1,608)	1:410:A:TYR:HA	1:411:A:HIS:HB2	2	0.28
(1,608)	1:410:A:TYR:HA	1:411:A:HIS:HB2	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:410:A:TYR:HA	1:449:A:GLY:H	17	0.28
(1,587)	1:449:A:GLY:H	1:450:A:PHE:H	4	0.28
(1,581)	1:401:A:GLY:H	1:452:A:SER:HB3	15	0.28
(1,553)	1:422:A:LEU:HA	1:425:A:PHE:H	1	0.28
(1,544)	1:432:A:ILE:HG21	1:454:A:ASP:H	4	0.28
(1,544)	1:432:A:ILE:HG22	1:454:A:ASP:H	4	0.28
(1,544)	1:432:A:ILE:HG23	1:454:A:ASP:H	4	0.28
(1,539)	1:453:A:TYR:HB2	1:454:A:ASP:H	7	0.28
(1,537)	1:430:A:ASN:HA	1:454:A:ASP:H	3	0.28
(1,530)	1:417:A:GLY:H	1:421:A:ILE:H	6	0.28
(1,530)	1:417:A:GLY:H	1:421:A:ILE:H	10	0.28
(1,530)	1:417:A:GLY:H	1:421:A:ILE:H	20	0.28
(1,516)	1:402:A:PRO:HG2	1:455:A:ASN:H	16	0.28
(1,516)	1:402:A:PRO:HG2	1:455:A:ASN:H	17	0.28
(1,510)	1:453:A:TYR:HB2	1:455:A:ASN:H	2	0.28
(1,504)	1:409:A:ILE:HA	1:412:A:LEU:H	2	0.28
(1,504)	1:409:A:ILE:HA	1:412:A:LEU:H	9	0.28
(1,477)	1:444:A:LEU:HB3	1:445:A:SER:H	8	0.28
(1,477)	1:444:A:LEU:HB3	1:445:A:SER:H	19	0.28
(1,473)	1:444:A:LEU:H	1:445:A:SER:H	4	0.28
(1,468)	1:421:A:ILE:HG21	1:423:A:GLN:H	12	0.28
(1,468)	1:421:A:ILE:HG22	1:423:A:GLN:H	12	0.28
(1,468)	1:421:A:ILE:HG23	1:423:A:GLN:H	12	0.28
(1,465)	1:422:A:LEU:HB3	1:423:A:GLN:H	3	0.28
(1,460)	1:457:A:VAL:H	1:460:A:GLN:H	9	0.28
(1,454)	1:458:A:SER:HA	1:460:A:GLN:H	7	0.28
(1,451)	1:460:A:GLN:H	1:480:A:LEU:HG	10	0.28
(1,443)	1:417:A:GLY:H	1:421:A:ILE:H	6	0.28
(1,443)	1:417:A:GLY:H	1:421:A:ILE:H	10	0.28
(1,443)	1:417:A:GLY:H	1:421:A:ILE:H	20	0.28
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD11	15	0.28
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD12	15	0.28
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD13	15	0.28
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD21	15	0.28
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD22	15	0.28
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD23	15	0.28
(1,438)	1:420:A:ASP:HB3	1:421:A:ILE:H	16	0.28
(1,434)	1:416:A:PHE:HB3	1:421:A:ILE:H	14	0.28
(1,424)	1:443:A:ASN:H	1:444:A:LEU:HB3	12	0.28
(1,412)	1:441:A:GLN:H	1:443:A:ASN:H	9	0.28
(1,408)	1:420:A:ASP:H	1:422:A:LEU:H	3	0.28
(1,408)	1:420:A:ASP:H	1:422:A:LEU:H	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,407)	1:417:A:GLY:H	1:420:A:ASP:H	11	0.28
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD1	9	0.28
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD2	9	0.28
(1,376)	1:444:A:LEU:H	1:445:A:SER:H	4	0.28
(1,350)	1:407:A:LEU:HB2	1:408:A:PHE:H	14	0.28
(1,340)	1:465:A:ALA:H	1:467:A:ASN:H	1	0.28
(1,338)	1:408:A:PHE:H	1:409:A:ILE:H	17	0.28
(1,323)	1:431:A:VAL:HG21	1:452:A:SER:H	10	0.28
(1,323)	1:431:A:VAL:HG22	1:452:A:SER:H	10	0.28
(1,323)	1:431:A:VAL:HG23	1:452:A:SER:H	10	0.28
(1,317)	1:473:A:MET:HB3	1:474:A:LYS:H	1	0.28
(1,299)	1:403:A:GLU:HA	1:405:A:ALA:H	20	0.28
(1,297)	1:405:A:ALA:H	1:406:A:ASN:HB3	19	0.28
(1,291)	1:435:A:LYS:HG3	1:450:A:PHE:H	14	0.28
(1,285)	1:449:A:GLY:H	1:450:A:PHE:H	4	0.28
(1,279)	1:458:A:SER:HB3	1:459:A:ALA:H	6	0.28
(1,279)	1:458:A:SER:HB3	1:459:A:ALA:H	12	0.28
(1,279)	1:458:A:SER:HB3	1:459:A:ALA:H	13	0.28
(1,279)	1:458:A:SER:HB3	1:459:A:ALA:H	16	0.28
(1,263)	1:408:A:PHE:HD1	1:409:A:ILE:H	14	0.28
(1,263)	1:408:A:PHE:HD2	1:409:A:ILE:H	14	0.28
(1,263)	1:408:A:PHE:HD1	1:409:A:ILE:H	17	0.28
(1,263)	1:408:A:PHE:HD2	1:409:A:ILE:H	17	0.28
(1,263)	1:408:A:PHE:HD1	1:409:A:ILE:H	18	0.28
(1,263)	1:408:A:PHE:HD2	1:409:A:ILE:H	18	0.28
(1,260)	1:408:A:PHE:H	1:409:A:ILE:H	17	0.28
(1,251)	1:452:A:SER:HB2	1:453:A:TYR:H	15	0.28
(1,243)	1:400:A:GLU:H	1:401:A:GLY:H	12	0.28
(1,242)	1:399:A:LYS:HG2	1:400:A:GLU:H	2	0.28
(1,242)	1:399:A:LYS:HG3	1:400:A:GLU:H	2	0.28
(1,242)	1:399:A:LYS:HG2	1:400:A:GLU:H	6	0.28
(1,242)	1:399:A:LYS:HG3	1:400:A:GLU:H	6	0.28
(1,217)	1:462:A:ALA:H	1:463:A:ILE:HB	4	0.28
(1,215)	1:428:A:PHE:HB3	1:462:A:ALA:H	1	0.28
(1,187)	1:460:A:GLN:HG2	1:461:A:ALA:H	17	0.28
(1,187)	1:460:A:GLN:HG3	1:461:A:ALA:H	17	0.28
(1,186)	1:459:A:ALA:HA	1:461:A:ALA:H	18	0.28
(1,171)	1:483:A:SER:H	1:484:A:LYS:H	7	0.28
(1,157)	1:406:A:ASN:HB2	1:407:A:LEU:H	14	0.28
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD1	9	0.28
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD2	9	0.28
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB2	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB3	17	0.28
(1,133)	1:405:A:ALA:HB1	1:451:A:VAL:H	19	0.28
(1,133)	1:405:A:ALA:HB2	1:451:A:VAL:H	19	0.28
(1,133)	1:405:A:ALA:HB3	1:451:A:VAL:H	19	0.28
(1,103)	1:407:A:LEU:HG	1:479:A:GLN:H	16	0.28
(1,94)	1:451:A:VAL:H	1:452:A:SER:H	13	0.28
(1,92)	1:477:A:LYS:H	1:478:A:VAL:H	7	0.28
(1,79)	1:433:A:SER:H	1:434:A:ALA:H	9	0.28
(1,76)	1:445:A:SER:H	1:446:A:LYS:H	3	0.28
(1,76)	1:445:A:SER:H	1:446:A:LYS:H	7	0.28
(1,76)	1:445:A:SER:H	1:446:A:LYS:H	16	0.28
(1,62)	1:435:A:LYS:HE2	1:437:A:PHE:H	14	0.28
(1,62)	1:435:A:LYS:HE3	1:437:A:PHE:H	14	0.28
(1,42)	1:439:A:ASP:H	1:444:A:LEU:HG	12	0.28
(1,33)	1:477:A:LYS:H	1:478:A:VAL:H	7	0.28
(1,28)	1:439:A:ASP:HB2	1:440:A:LYS:H	2	0.28
(1,28)	1:439:A:ASP:HB2	1:440:A:LYS:H	14	0.28
(1,21)	1:424:A:MET:H	1:426:A:MET:H	2	0.28
(1,13)	1:432:A:ILE:H	1:454:A:ASP:H	17	0.28
(1,5)	1:469:A:PHE:HB2	1:470:A:GLN:H	5	0.28
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE1	12	0.27
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE2	12	0.27
(1,1589)	1:411:A:HIS:HA	1:411:A:HIS:HD2	19	0.27
(1,1586)	1:413:A:PRO:HB2	1:416:A:PHE:HD1	8	0.27
(1,1586)	1:413:A:PRO:HB2	1:416:A:PHE:HD2	8	0.27
(1,1586)	1:413:A:PRO:HB3	1:416:A:PHE:HD1	8	0.27
(1,1586)	1:413:A:PRO:HB3	1:416:A:PHE:HD2	8	0.27
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB1	6	0.27
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB2	6	0.27
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB3	6	0.27
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB1	6	0.27
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB2	6	0.27
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB3	6	0.27
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	1	0.27
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	1	0.27
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	1	0.27
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	1	0.27
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	1	0.27
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	1	0.27
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	20	0.27
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	20	0.27
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	20	0.27
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	20	0.27
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	20	0.27
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG21	4	0.27
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG22	4	0.27
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG23	4	0.27
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG21	2	0.27
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG22	2	0.27
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG23	2	0.27
(1,1504)	1:430:A:ASN:HA	1:453:A:TYR:HD1	11	0.27
(1,1504)	1:430:A:ASN:HA	1:453:A:TYR:HD2	11	0.27
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB2	1	0.27
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB3	1	0.27
(1,1477)	1:481:A:LYS:HA	1:481:A:LYS:HE2	7	0.27
(1,1477)	1:481:A:LYS:HA	1:481:A:LYS:HE3	7	0.27
(1,1468)	1:484:A:LYS:HA	1:485:A:ASN:HA	2	0.27
(1,1453)	1:433:A:SER:HA	1:434:A:ALA:HA	12	0.27
(1,1452)	1:432:A:ILE:HG21	1:433:A:SER:HA	1	0.27
(1,1452)	1:432:A:ILE:HG22	1:433:A:SER:HA	1	0.27
(1,1452)	1:432:A:ILE:HG23	1:433:A:SER:HA	1	0.27
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG11	7	0.27
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG12	7	0.27
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG13	7	0.27
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD11	17	0.27
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD12	17	0.27
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD13	17	0.27
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	14	0.27
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	14	0.27
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	14	0.27
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	14	0.27
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	14	0.27
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	14	0.27
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	16	0.27
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	16	0.27
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	16	0.27
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	16	0.27
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	16	0.27
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	16	0.27
(1,1404)	1:420:A:ASP:HB2	1:423:A:GLN:HA	9	0.27
(1,1392)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	15	0.27
(1,1392)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	15	0.27
(1,1392)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1356)	1:482:A:ARG:HD2	1:483:A:SER:HA	19	0.27
(1,1356)	1:482:A:ARG:HD3	1:483:A:SER:HA	19	0.27
(1,1352)	1:412:A:LEU:HG	1:417:A:GLY:HA3	8	0.27
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD2	12	0.27
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD3	12	0.27
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD2	12	0.27
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD3	12	0.27
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	8	0.27
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	8	0.27
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	8	0.27
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	8	0.27
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	8	0.27
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	8	0.27
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	8	0.27
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	8	0.27
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	8	0.27
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB1	1	0.27
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB2	1	0.27
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB3	1	0.27
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB1	6	0.27
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB2	6	0.27
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB3	6	0.27
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG21	17	0.27
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG22	17	0.27
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG23	17	0.27
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	13	0.27
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	13	0.27
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	13	0.27
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG21	13	0.27
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG22	13	0.27
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG23	13	0.27
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG21	6	0.27
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG22	6	0.27
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG23	6	0.27
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG21	6	0.27
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG22	6	0.27
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG23	6	0.27
(1,1267)	1:412:A:LEU:HD11	1:414:A:GLN:HB3	9	0.27
(1,1267)	1:412:A:LEU:HD12	1:414:A:GLN:HB3	9	0.27
(1,1267)	1:412:A:LEU:HD13	1:414:A:GLN:HB3	9	0.27
(1,1267)	1:412:A:LEU:HD21	1:414:A:GLN:HB3	9	0.27
(1,1267)	1:412:A:LEU:HD22	1:414:A:GLN:HB3	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1267)	1:412:A:LEU:HD23	1:414:A:GLN:HB3	9	0.27
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG2	12	0.27
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG3	12	0.27
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG2	12	0.27
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG3	12	0.27
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG2	12	0.27
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG3	12	0.27
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG2	12	0.27
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG3	12	0.27
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG2	12	0.27
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG3	12	0.27
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG2	12	0.27
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG3	12	0.27
(1,1248)	1:404:A:GLY:HA3	1:480:A:LEU:HG	11	0.27
(1,1241)	1:407:A:LEU:HG	1:425:A:PHE:HE1	11	0.27
(1,1241)	1:407:A:LEU:HG	1:425:A:PHE:HE2	11	0.27
(1,1237)	1:422:A:LEU:HG	1:423:A:GLN:H	5	0.27
(1,1190)	1:481:A:LYS:HD3	1:482:A:ARG:HB3	16	0.27
(1,1179)	1:463:A:ILE:HD11	1:479:A:GLN:HA	16	0.27
(1,1179)	1:463:A:ILE:HD12	1:479:A:GLN:HA	16	0.27
(1,1179)	1:463:A:ILE:HD13	1:479:A:GLN:HA	16	0.27
(1,1179)	1:463:A:ILE:HD11	1:479:A:GLN:HA	19	0.27
(1,1179)	1:463:A:ILE:HD12	1:479:A:GLN:HA	19	0.27
(1,1179)	1:463:A:ILE:HD13	1:479:A:GLN:HA	19	0.27
(1,1174)	1:439:A:ASP:HA	1:442:A:THR:H	18	0.27
(1,1161)	1:459:A:ALA:HA	1:461:A:ALA:H	15	0.27
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB2	15	0.27
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB3	15	0.27
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB2	15	0.27
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB3	15	0.27
(1,1137)	1:446:A:LYS:HB2	1:489:A:PRO:HD2	3	0.27
(1,1137)	1:446:A:LYS:HB3	1:489:A:PRO:HD2	3	0.27
(1,1132)	1:470:A:GLN:HG2	1:474:A:LYS:H	4	0.27
(1,1132)	1:470:A:GLN:HG3	1:474:A:LYS:H	4	0.27
(1,1098)	1:440:A:LYS:HA	1:442:A:THR:H	2	0.27
(1,1088)	1:419:A:GLN:HA	1:422:A:LEU:H	18	0.27
(1,1085)	1:403:A:GLU:HG2	1:404:A:GLY:H	9	0.27
(1,1077)	1:413:A:PRO:HB2	1:414:A:GLN:HA	6	0.27
(1,1077)	1:413:A:PRO:HB3	1:414:A:GLN:HA	6	0.27
(1,1071)	1:432:A:ILE:HD11	1:454:A:ASP:HB2	5	0.27
(1,1071)	1:432:A:ILE:HD12	1:454:A:ASP:HB2	5	0.27
(1,1071)	1:432:A:ILE:HD13	1:454:A:ASP:HB2	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD11	11	0.27
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD12	11	0.27
(1,1068)	1:432:A:ILE:H	1:432:A:ILE:HD13	11	0.27
(1,1066)	1:414:A:GLN:HA	1:415:A:GLU:HA	1	0.27
(1,1052)	1:400:A:GLU:HG3	1:401:A:GLY:H	1	0.27
(1,1052)	1:400:A:GLU:HG3	1:401:A:GLY:H	2	0.27
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	8	0.27
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	8	0.27
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	8	0.27
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	8	0.27
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	8	0.27
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	8	0.27
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	8	0.27
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	8	0.27
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	8	0.27
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD11	3	0.27
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD12	3	0.27
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD13	3	0.27
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	13	0.27
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	13	0.27
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	13	0.27
(1,983)	1:430:A:ASN:HB2	1:431:A:VAL:HA	5	0.27
(1,983)	1:430:A:ASN:HB3	1:431:A:VAL:HA	5	0.27
(1,983)	1:430:A:ASN:HB2	1:431:A:VAL:HA	17	0.27
(1,983)	1:430:A:ASN:HB3	1:431:A:VAL:HA	17	0.27
(1,976)	1:438:A:ILE:HG21	1:443:A:ASN:H	3	0.27
(1,976)	1:438:A:ILE:HG22	1:443:A:ASN:H	3	0.27
(1,976)	1:438:A:ILE:HG23	1:443:A:ASN:H	3	0.27
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG21	11	0.27
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG22	11	0.27
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG23	11	0.27
(1,943)	1:409:A:ILE:HB	1:450:A:PHE:H	10	0.27
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE1	8	0.27
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE2	8	0.27
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE3	8	0.27
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE1	8	0.27
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE2	8	0.27
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE3	8	0.27
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE1	8	0.27
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE2	8	0.27
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE3	8	0.27
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE1	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE2	13	0.27
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE3	13	0.27
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE1	13	0.27
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE2	13	0.27
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE3	13	0.27
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE1	13	0.27
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE2	13	0.27
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE3	13	0.27
(1,922)	1:455:A:ASN:HB3	1:458:A:SER:H	16	0.27
(1,912)	1:435:A:LYS:HE2	1:438:A:ILE:H	15	0.27
(1,912)	1:435:A:LYS:HE3	1:438:A:ILE:H	15	0.27
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	11	0.27
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	11	0.27
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	11	0.27
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	11	0.27
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	11	0.27
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	11	0.27
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	11	0.27
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	11	0.27
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	11	0.27
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	19	0.27
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	19	0.27
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	19	0.27
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	19	0.27
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	19	0.27
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	19	0.27
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	19	0.27
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	19	0.27
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	19	0.27
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB1	7	0.27
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB2	7	0.27
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB3	7	0.27
(1,888)	1:448:A:PHE:HB2	1:449:A:GLY:HA2	1	0.27
(1,888)	1:448:A:PHE:HB3	1:449:A:GLY:HA2	1	0.27
(1,861)	1:452:A:SER:HB2	1:453:A:TYR:H	5	0.27
(1,852)	1:405:A:ALA:HB1	1:455:A:ASN:H	8	0.27
(1,852)	1:405:A:ALA:HB2	1:455:A:ASN:H	8	0.27
(1,852)	1:405:A:ALA:HB3	1:455:A:ASN:H	8	0.27
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	19	0.27
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	19	0.27
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	19	0.27
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	19	0.27
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	19	0.27
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	19	0.27
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	19	0.27
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	19	0.27
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	1	0.27
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	1	0.27
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	1	0.27
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	1	0.27
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	1	0.27
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	1	0.27
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	20	0.27
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	20	0.27
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	20	0.27
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	20	0.27
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	20	0.27
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	20	0.27
(1,836)	1:444:A:LEU:HB3	1:445:A:SER:H	17	0.27
(1,831)	1:450:A:PHE:HB3	1:451:A:VAL:HB	6	0.27
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	19	0.27
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	19	0.27
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	19	0.27
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	19	0.27
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	19	0.27
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	19	0.27
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	19	0.27
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	19	0.27
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	19	0.27
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB1	1	0.27
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB2	1	0.27
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB3	1	0.27
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB1	6	0.27
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB2	6	0.27
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB3	6	0.27
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB1	1	0.27
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB2	1	0.27
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB3	1	0.27
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB1	15	0.27
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB2	15	0.27
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB3	15	0.27
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB1	10	0.27
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB2	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB3	10	0.27
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB1	6	0.27
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB2	6	0.27
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB3	6	0.27
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB1	11	0.27
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB2	11	0.27
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB3	11	0.27
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB1	15	0.27
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB2	15	0.27
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB3	15	0.27
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB1	17	0.27
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB2	17	0.27
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB3	17	0.27
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	11	0.27
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	11	0.27
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	11	0.27
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	11	0.27
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	11	0.27
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	11	0.27
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	11	0.27
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	11	0.27
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	11	0.27
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	19	0.27
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	19	0.27
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	19	0.27
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	19	0.27
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	19	0.27
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	19	0.27
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	19	0.27
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	19	0.27
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	19	0.27
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG11	15	0.27
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG12	15	0.27
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG13	15	0.27
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG21	4	0.27
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG22	4	0.27
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG23	4	0.27
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	7	0.27
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	7	0.27
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	7	0.27
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	7	0.27
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	7	0.27
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	17	0.27
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	17	0.27
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	17	0.27
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	17	0.27
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	17	0.27
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	17	0.27
(1,752)	1:436:A:VAL:HG21	1:437:A:PHE:H	18	0.27
(1,752)	1:436:A:VAL:HG22	1:437:A:PHE:H	18	0.27
(1,752)	1:436:A:VAL:HG23	1:437:A:PHE:H	18	0.27
(1,735)	1:431:A:VAL:HG11	1:451:A:VAL:HB	16	0.27
(1,735)	1:431:A:VAL:HG12	1:451:A:VAL:HB	16	0.27
(1,735)	1:431:A:VAL:HG13	1:451:A:VAL:HB	16	0.27
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD1	19	0.27
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD2	19	0.27
(1,695)	1:480:A:LEU:HD11	1:481:A:LYS:HB2	12	0.27
(1,695)	1:480:A:LEU:HD12	1:481:A:LYS:HB2	12	0.27
(1,695)	1:480:A:LEU:HD13	1:481:A:LYS:HB2	12	0.27
(1,695)	1:480:A:LEU:HD21	1:481:A:LYS:HB2	12	0.27
(1,695)	1:480:A:LEU:HD22	1:481:A:LYS:HB2	12	0.27
(1,695)	1:480:A:LEU:HD23	1:481:A:LYS:HB2	12	0.27
(1,679)	1:477:A:LYS:HG2	1:478:A:VAL:H	14	0.27
(1,679)	1:477:A:LYS:HG3	1:478:A:VAL:H	14	0.27
(1,670)	1:480:A:LEU:H	1:480:A:LEU:HG	13	0.27
(1,664)	1:471:A:ILE:HG21	1:474:A:LYS:HG3	6	0.27
(1,664)	1:471:A:ILE:HG22	1:474:A:LYS:HG3	6	0.27
(1,664)	1:471:A:ILE:HG23	1:474:A:LYS:HG3	6	0.27
(1,658)	1:480:A:LEU:H	1:480:A:LEU:HG	13	0.27
(1,641)	1:466:A:MET:HB2	1:476:A:LEU:HG	10	0.27
(1,641)	1:466:A:MET:HB3	1:476:A:LEU:HG	10	0.27
(1,638)	1:413:A:PRO:HD2	1:476:A:LEU:HG	12	0.27
(1,638)	1:413:A:PRO:HD3	1:476:A:LEU:HG	12	0.27
(1,634)	1:469:A:PHE:HE1	1:476:A:LEU:HG	20	0.27
(1,634)	1:469:A:PHE:HE2	1:476:A:LEU:HG	20	0.27
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	4	0.27
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	4	0.27
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	4	0.27
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	4	0.27
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	4	0.27
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	4	0.27
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	16	0.27
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	16	0.27
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	16	0.27
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	16	0.27
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	16	0.27
(1,619)	1:407:A:LEU:HG	1:453:A:TYR:H	5	0.27
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG11	5	0.27
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG12	5	0.27
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG13	5	0.27
(1,612)	1:407:A:LEU:HG	1:451:A:VAL:H	14	0.27
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD1	2	0.27
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD2	2	0.27
(1,608)	1:410:A:TYR:HA	1:411:A:HIS:HB2	4	0.27
(1,608)	1:410:A:TYR:HA	1:411:A:HIS:HB2	5	0.27
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG11	12	0.27
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG12	12	0.27
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG13	12	0.27
(1,588)	1:409:A:ILE:H	1:449:A:GLY:H	15	0.27
(1,587)	1:449:A:GLY:H	1:450:A:PHE:H	8	0.27
(1,580)	1:401:A:GLY:H	1:406:A:ASN:HD21	5	0.27
(1,568)	1:419:A:GLN:HE22	1:420:A:ASP:HB3	8	0.27
(1,568)	1:419:A:GLN:HE22	1:420:A:ASP:HB3	11	0.27
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG11	8	0.27
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG12	8	0.27
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG13	8	0.27
(1,541)	1:454:A:ASP:H	1:458:A:SER:HB3	1	0.27
(1,541)	1:454:A:ASP:H	1:458:A:SER:HB3	8	0.27
(1,531)	1:416:A:PHE:H	1:417:A:GLY:H	17	0.27
(1,530)	1:417:A:GLY:H	1:421:A:ILE:H	14	0.27
(1,523)	1:431:A:VAL:HG21	1:433:A:SER:H	15	0.27
(1,523)	1:431:A:VAL:HG22	1:433:A:SER:H	15	0.27
(1,523)	1:431:A:VAL:HG23	1:433:A:SER:H	15	0.27
(1,517)	1:430:A:ASN:HD22	1:431:A:VAL:H	4	0.27
(1,510)	1:453:A:TYR:HB2	1:455:A:ASN:H	4	0.27
(1,510)	1:453:A:TYR:HB2	1:455:A:ASN:H	20	0.27
(1,477)	1:444:A:LEU:HB3	1:445:A:SER:H	17	0.27
(1,456)	1:457:A:VAL:HA	1:460:A:GLN:H	3	0.27
(1,454)	1:458:A:SER:HA	1:460:A:GLN:H	4	0.27
(1,453)	1:456:A:PRO:HA	1:460:A:GLN:H	14	0.27
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG21	1	0.27
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG22	1	0.27
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG23	1	0.27
(1,443)	1:417:A:GLY:H	1:421:A:ILE:H	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:438:A:ILE:HB	1:443:A:ASN:H	2	0.27
(1,423)	1:463:A:ILE:HB	1:465:A:ALA:H	5	0.27
(1,418)	1:440:A:LYS:HG2	1:441:A:GLN:H	3	0.27
(1,418)	1:440:A:LYS:HG3	1:441:A:GLN:H	3	0.27
(1,405)	1:471:A:ILE:HG12	1:472:A:GLY:H	10	0.27
(1,405)	1:471:A:ILE:HG13	1:472:A:GLY:H	10	0.27
(1,381)	1:439:A:ASP:HB2	1:444:A:LEU:H	18	0.27
(1,379)	1:442:A:THR:HB	1:444:A:LEU:H	19	0.27
(1,367)	1:468:A:GLY:H	1:469:A:PHE:HB2	10	0.27
(1,344)	1:467:A:ASN:H	1:468:A:GLY:H	10	0.27
(1,342)	1:467:A:ASN:H	1:478:A:VAL:HB	19	0.27
(1,304)	1:405:A:ALA:H	1:406:A:ASN:HD22	20	0.27
(1,296)	1:450:A:PHE:H	1:451:A:VAL:H	9	0.27
(1,290)	1:409:A:ILE:HB	1:450:A:PHE:H	10	0.27
(1,289)	1:435:A:LYS:HB2	1:450:A:PHE:H	17	0.27
(1,289)	1:435:A:LYS:HB3	1:450:A:PHE:H	17	0.27
(1,287)	1:436:A:VAL:HA	1:450:A:PHE:H	5	0.27
(1,285)	1:449:A:GLY:H	1:450:A:PHE:H	8	0.27
(1,251)	1:452:A:SER:HB2	1:453:A:TYR:H	5	0.27
(1,245)	1:453:A:TYR:H	1:454:A:ASP:H	19	0.27
(1,243)	1:400:A:GLU:H	1:401:A:GLY:H	4	0.27
(1,227)	1:418:A:ASP:H	1:436:A:VAL:HB	10	0.27
(1,212)	1:462:A:ALA:H	1:464:A:GLN:H	15	0.27
(1,212)	1:462:A:ALA:H	1:464:A:GLN:H	20	0.27
(1,210)	1:418:A:ASP:H	1:420:A:ASP:HB2	11	0.27
(1,210)	1:418:A:ASP:H	1:420:A:ASP:HB2	12	0.27
(1,209)	1:418:A:ASP:H	1:420:A:ASP:HB3	11	0.27
(1,206)	1:412:A:LEU:HD11	1:416:A:PHE:H	11	0.27
(1,206)	1:412:A:LEU:HD12	1:416:A:PHE:H	11	0.27
(1,206)	1:412:A:LEU:HD13	1:416:A:PHE:H	11	0.27
(1,206)	1:412:A:LEU:HD21	1:416:A:PHE:H	11	0.27
(1,206)	1:412:A:LEU:HD22	1:416:A:PHE:H	11	0.27
(1,206)	1:412:A:LEU:HD23	1:416:A:PHE:H	11	0.27
(1,205)	1:415:A:GLU:HG2	1:416:A:PHE:H	14	0.27
(1,205)	1:415:A:GLU:HG3	1:416:A:PHE:H	14	0.27
(1,205)	1:415:A:GLU:HG2	1:416:A:PHE:H	16	0.27
(1,205)	1:415:A:GLU:HG3	1:416:A:PHE:H	16	0.27
(1,200)	1:416:A:PHE:H	1:417:A:GLY:H	17	0.27
(1,186)	1:459:A:ALA:HA	1:461:A:ALA:H	15	0.27
(1,178)	1:419:A:GLN:HA	1:422:A:LEU:H	18	0.27
(1,167)	1:480:A:LEU:H	1:480:A:LEU:HG	13	0.27
(1,157)	1:406:A:ASN:HB2	1:407:A:LEU:H	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:407:A:LEU:H	1:408:A:PHE:HB2	13	0.27
(1,155)	1:407:A:LEU:H	1:408:A:PHE:HB2	19	0.27
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE1	11	0.27
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE2	11	0.27
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE1	15	0.27
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE2	15	0.27
(1,107)	1:410:A:TYR:H	1:477:A:LYS:H	13	0.27
(1,105)	1:408:A:PHE:HB3	1:479:A:GLN:H	4	0.27
(1,105)	1:408:A:PHE:HB3	1:479:A:GLN:H	19	0.27
(1,94)	1:451:A:VAL:H	1:452:A:SER:H	4	0.27
(1,92)	1:477:A:LYS:H	1:478:A:VAL:H	5	0.27
(1,92)	1:477:A:LYS:H	1:478:A:VAL:H	17	0.27
(1,92)	1:477:A:LYS:H	1:478:A:VAL:H	19	0.27
(1,76)	1:445:A:SER:H	1:446:A:LYS:H	13	0.27
(1,60)	1:436:A:VAL:HG21	1:437:A:PHE:H	18	0.27
(1,60)	1:436:A:VAL:HG22	1:437:A:PHE:H	18	0.27
(1,60)	1:436:A:VAL:HG23	1:437:A:PHE:H	18	0.27
(1,54)	1:470:A:GLN:H	1:471:A:ILE:H	7	0.27
(1,54)	1:470:A:GLN:H	1:471:A:ILE:H	9	0.27
(1,33)	1:477:A:LYS:H	1:478:A:VAL:H	5	0.27
(1,33)	1:477:A:LYS:H	1:478:A:VAL:H	17	0.27
(1,33)	1:477:A:LYS:H	1:478:A:VAL:H	19	0.27
(1,28)	1:439:A:ASP:HB2	1:440:A:LYS:H	17	0.27
(1,21)	1:424:A:MET:H	1:426:A:MET:H	7	0.27
(1,21)	1:424:A:MET:H	1:426:A:MET:H	10	0.27
(1,21)	1:424:A:MET:H	1:426:A:MET:H	13	0.27
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD11	11	0.27
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD12	11	0.27
(1,18)	1:432:A:ILE:H	1:432:A:ILE:HD13	11	0.27
(1,13)	1:432:A:ILE:H	1:454:A:ASP:H	10	0.27
(1,9)	1:431:A:VAL:H	1:432:A:ILE:H	5	0.27
(1,9)	1:431:A:VAL:H	1:432:A:ILE:H	13	0.27
(1,5)	1:469:A:PHE:HB2	1:470:A:GLN:H	13	0.27
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG11	4	0.26
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG12	4	0.26
(1,1505)	1:430:A:ASN:HA	1:431:A:VAL:HG13	4	0.26
(1,1504)	1:430:A:ASN:HA	1:453:A:TYR:HD1	15	0.26
(1,1504)	1:430:A:ASN:HA	1:453:A:TYR:HD2	15	0.26
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD11	14	0.26
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD12	14	0.26
(1,1501)	1:407:A:LEU:HA	1:409:A:ILE:HD13	14	0.26
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB2	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB3	11	0.26
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB2	15	0.26
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB3	15	0.26
(1,1469)	1:483:A:SER:HB2	1:484:A:LYS:HA	11	0.26
(1,1469)	1:483:A:SER:HB3	1:484:A:LYS:HA	11	0.26
(1,1452)	1:432:A:ILE:HG21	1:433:A:SER:HA	16	0.26
(1,1452)	1:432:A:ILE:HG22	1:433:A:SER:HA	16	0.26
(1,1452)	1:432:A:ILE:HG23	1:433:A:SER:HA	16	0.26
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	18	0.26
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	18	0.26
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	18	0.26
(1,1415)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	6	0.26
(1,1415)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	6	0.26
(1,1415)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	6	0.26
(1,1415)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	14	0.26
(1,1415)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	14	0.26
(1,1415)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	14	0.26
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	2	0.26
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	2	0.26
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	2	0.26
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	2	0.26
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	2	0.26
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	2	0.26
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	2	0.26
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	2	0.26
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	2	0.26
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	2	0.26
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	2	0.26
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	2	0.26
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	2	0.26
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	2	0.26
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	2	0.26
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	2	0.26
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	2	0.26
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	2	0.26
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	13	0.26
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	13	0.26
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	13	0.26
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	13	0.26
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	13	0.26
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	13	0.26
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	13	0.26
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	13	0.26
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	13	0.26
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	13	0.26
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	13	0.26
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	13	0.26
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	13	0.26
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	13	0.26
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	13	0.26
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	13	0.26
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	13	0.26
(1,1395)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	6	0.26
(1,1395)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	6	0.26
(1,1395)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	6	0.26
(1,1395)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	14	0.26
(1,1395)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	14	0.26
(1,1395)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	14	0.26
(1,1387)	1:409:A:ILE:HB	1:449:A:GLY:HA3	4	0.26
(1,1387)	1:409:A:ILE:HB	1:449:A:GLY:HA3	18	0.26
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	12	0.26
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	12	0.26
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	12	0.26
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	12	0.26
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	12	0.26
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	12	0.26
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	12	0.26
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	12	0.26
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	12	0.26
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	12	0.26
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	12	0.26
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	12	0.26
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	12	0.26
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	12	0.26
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	12	0.26
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	12	0.26
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	12	0.26
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	12	0.26
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB1	5	0.26
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB2	5	0.26
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB3	5	0.26
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB1	5	0.26
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB2	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB3	5	0.26
(1,1352)	1:412:A:LEU:HG	1:417:A:GLY:HA3	4	0.26
(1,1352)	1:412:A:LEU:HG	1:417:A:GLY:HA3	12	0.26
(1,1352)	1:412:A:LEU:HG	1:417:A:GLY:HA3	13	0.26
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD2	7	0.26
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD3	7	0.26
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD2	7	0.26
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD3	7	0.26
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	3	0.26
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	3	0.26
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	3	0.26
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	2	0.26
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	2	0.26
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	2	0.26
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	2	0.26
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	2	0.26
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	2	0.26
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	2	0.26
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	2	0.26
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	2	0.26
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	1	0.26
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	1	0.26
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	1	0.26
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	7	0.26
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	7	0.26
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	7	0.26
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG11	4	0.26
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG12	4	0.26
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG13	4	0.26
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG11	4	0.26
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG12	4	0.26
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG13	4	0.26
(1,1319)	1:434:A:ALA:HB1	1:451:A:VAL:HA	19	0.26
(1,1319)	1:434:A:ALA:HB2	1:451:A:VAL:HA	19	0.26
(1,1319)	1:434:A:ALA:HB3	1:451:A:VAL:HA	19	0.26
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD1	4	0.26
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD2	4	0.26
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD1	4	0.26
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD2	4	0.26
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD1	4	0.26
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD2	4	0.26
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD11	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD12	9	0.26
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD13	9	0.26
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD21	9	0.26
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD22	9	0.26
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD23	9	0.26
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD11	9	0.26
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD12	9	0.26
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD13	9	0.26
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD21	9	0.26
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD22	9	0.26
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD23	9	0.26
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD11	9	0.26
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD12	9	0.26
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD13	9	0.26
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD21	9	0.26
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD22	9	0.26
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD23	9	0.26
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD11	12	0.26
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD12	12	0.26
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD13	12	0.26
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD21	12	0.26
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD22	12	0.26
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD23	12	0.26
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD11	12	0.26
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD12	12	0.26
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD13	12	0.26
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD21	12	0.26
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD22	12	0.26
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD23	12	0.26
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD11	12	0.26
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD12	12	0.26
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD13	12	0.26
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD21	12	0.26
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD22	12	0.26
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD23	12	0.26
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD11	1	0.26
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD12	1	0.26
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD13	1	0.26
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD21	1	0.26
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD22	1	0.26
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD23	1	0.26
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD11	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD12	6	0.26
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD13	6	0.26
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD21	6	0.26
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD22	6	0.26
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD23	6	0.26
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB1	20	0.26
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB2	20	0.26
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB3	20	0.26
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB1	20	0.26
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB2	20	0.26
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB3	20	0.26
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB1	20	0.26
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB2	20	0.26
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB3	20	0.26
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB1	20	0.26
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB2	20	0.26
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB3	20	0.26
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB1	20	0.26
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB2	20	0.26
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB3	20	0.26
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB1	20	0.26
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB2	20	0.26
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB3	20	0.26
(1,1260)	1:442:A:THR:HB	1:444:A:LEU:HG	11	0.26
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD11	6	0.26
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD12	6	0.26
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD13	6	0.26
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD21	6	0.26
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD22	6	0.26
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD23	6	0.26
(1,1254)	1:442:A:THR:HB	1:444:A:LEU:HG	11	0.26
(1,1248)	1:404:A:GLY:HA3	1:480:A:LEU:HG	6	0.26
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	12	0.26
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	12	0.26
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	12	0.26
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	12	0.26
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	12	0.26
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	12	0.26
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	12	0.26
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	12	0.26
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	12	0.26
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	12	0.26
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	12	0.26
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	12	0.26
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	12	0.26
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	12	0.26
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	12	0.26
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	12	0.26
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	12	0.26
(1,1227)	1:412:A:LEU:HG	1:413:A:PRO:HG2	2	0.26
(1,1196)	1:403:A:GLU:HB2	1:404:A:GLY:H	3	0.26
(1,1190)	1:481:A:LYS:HD3	1:482:A:ARG:HB3	10	0.26
(1,1160)	1:459:A:ALA:HA	1:462:A:ALA:H	17	0.26
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB2	17	0.26
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB3	17	0.26
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB2	17	0.26
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB3	17	0.26
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB2	4	0.26
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB3	4	0.26
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB2	4	0.26
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB3	4	0.26
(1,1137)	1:446:A:LYS:HB2	1:489:A:PRO:HD2	17	0.26
(1,1137)	1:446:A:LYS:HB3	1:489:A:PRO:HD2	17	0.26
(1,1133)	1:407:A:LEU:H	1:452:A:SER:HA	7	0.26
(1,1116)	1:432:A:ILE:H	1:453:A:TYR:HA	4	0.26
(1,1105)	1:463:A:ILE:HA	1:478:A:VAL:HB	10	0.26
(1,1097)	1:441:A:GLN:HA	1:444:A:LEU:H	4	0.26
(1,1092)	1:445:A:SER:HA	1:488:A:LYS:HA	1	0.26
(1,1089)	1:419:A:GLN:HA	1:422:A:LEU:HB3	14	0.26
(1,1088)	1:419:A:GLN:HA	1:422:A:LEU:H	20	0.26
(1,1085)	1:403:A:GLU:HG2	1:404:A:GLY:H	14	0.26
(1,1084)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	14	0.26
(1,1077)	1:413:A:PRO:HB2	1:414:A:GLN:HA	13	0.26
(1,1077)	1:413:A:PRO:HB3	1:414:A:GLN:HA	13	0.26
(1,1077)	1:413:A:PRO:HB2	1:414:A:GLN:HA	15	0.26
(1,1077)	1:413:A:PRO:HB3	1:414:A:GLN:HA	15	0.26
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD11	6	0.26
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD12	6	0.26
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD13	6	0.26
(1,1066)	1:414:A:GLN:HA	1:415:A:GLU:HA	4	0.26
(1,1066)	1:414:A:GLN:HA	1:415:A:GLU:HA	6	0.26
(1,1066)	1:414:A:GLN:HA	1:415:A:GLU:HA	20	0.26
(1,1052)	1:400:A:GLU:HG3	1:401:A:GLY:H	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	2	0.26
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	2	0.26
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	2	0.26
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	2	0.26
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	2	0.26
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	2	0.26
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	2	0.26
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	2	0.26
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	2	0.26
(1,1035)	1:463:A:ILE:HD11	1:464:A:GLN:H	5	0.26
(1,1035)	1:463:A:ILE:HD12	1:464:A:GLN:H	5	0.26
(1,1035)	1:463:A:ILE:HD13	1:464:A:GLN:H	5	0.26
(1,997)	1:485:A:ASN:HB2	1:486:A:ASP:H	16	0.26
(1,984)	1:416:A:PHE:HB2	1:417:A:GLY:H	7	0.26
(1,976)	1:438:A:ILE:HG21	1:443:A:ASN:H	20	0.26
(1,976)	1:438:A:ILE:HG22	1:443:A:ASN:H	20	0.26
(1,976)	1:438:A:ILE:HG23	1:443:A:ASN:H	20	0.26
(1,965)	1:438:A:ILE:HB	1:439:A:ASP:H	14	0.26
(1,965)	1:438:A:ILE:HB	1:439:A:ASP:H	18	0.26
(1,959)	1:432:A:ILE:HG21	1:454:A:ASP:H	16	0.26
(1,959)	1:432:A:ILE:HG22	1:454:A:ASP:H	16	0.26
(1,959)	1:432:A:ILE:HG23	1:454:A:ASP:H	16	0.26
(1,943)	1:409:A:ILE:HB	1:450:A:PHE:H	6	0.26
(1,922)	1:455:A:ASN:HB3	1:458:A:SER:H	1	0.26
(1,920)	1:402:A:PRO:HG3	1:455:A:ASN:HB2	5	0.26
(1,911)	1:435:A:LYS:HE2	1:436:A:VAL:H	2	0.26
(1,911)	1:435:A:LYS:HE3	1:436:A:VAL:H	2	0.26
(1,901)	1:462:A:ALA:HB1	1:465:A:ALA:H	10	0.26
(1,901)	1:462:A:ALA:HB2	1:465:A:ALA:H	10	0.26
(1,901)	1:462:A:ALA:HB3	1:465:A:ALA:H	10	0.26
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	5	0.26
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	5	0.26
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	5	0.26
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	5	0.26
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	5	0.26
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	5	0.26
(1,889)	1:439:A:ASP:HB2	1:444:A:LEU:HB3	10	0.26
(1,888)	1:448:A:PHE:HB2	1:449:A:GLY:HA2	6	0.26
(1,888)	1:448:A:PHE:HB3	1:449:A:GLY:HA2	6	0.26
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB2	13	0.26
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB3	13	0.26
(1,863)	1:417:A:GLY:HA3	1:419:A:GLN:H	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	1	0.26
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	1	0.26
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	1	0.26
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	7	0.26
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	7	0.26
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	7	0.26
(1,836)	1:444:A:LEU:HB3	1:445:A:SER:H	14	0.26
(1,832)	1:401:A:GLY:HA3	1:402:A:PRO:HG2	8	0.26
(1,823)	1:436:A:VAL:HG11	1:450:A:PHE:H	7	0.26
(1,823)	1:436:A:VAL:HG12	1:450:A:PHE:H	7	0.26
(1,823)	1:436:A:VAL:HG13	1:450:A:PHE:H	7	0.26
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB1	5	0.26
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB2	5	0.26
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB3	5	0.26
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB1	2	0.26
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB2	2	0.26
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB3	2	0.26
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB1	14	0.26
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB2	14	0.26
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB3	14	0.26
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB1	16	0.26
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB2	16	0.26
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB3	16	0.26
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	16	0.26
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	16	0.26
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	16	0.26
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB2	20	0.26
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB3	20	0.26
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	6	0.26
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	6	0.26
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	6	0.26
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	6	0.26
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	6	0.26
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	6	0.26
(1,768)	1:457:A:VAL:HG11	1:458:A:SER:HB2	4	0.26
(1,768)	1:457:A:VAL:HG12	1:458:A:SER:HB2	4	0.26
(1,768)	1:457:A:VAL:HG13	1:458:A:SER:HB2	4	0.26
(1,768)	1:457:A:VAL:HG21	1:458:A:SER:HB2	4	0.26
(1,768)	1:457:A:VAL:HG22	1:458:A:SER:HB2	4	0.26
(1,768)	1:457:A:VAL:HG23	1:458:A:SER:HB2	4	0.26
(1,752)	1:436:A:VAL:HG21	1:437:A:PHE:H	6	0.26
(1,752)	1:436:A:VAL:HG22	1:437:A:PHE:H	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,752)	1:436:A:VAL:HG23	1:437:A:PHE:H	6	0.26
(1,752)	1:436:A:VAL:HG21	1:437:A:PHE:H	11	0.26
(1,752)	1:436:A:VAL:HG22	1:437:A:PHE:H	11	0.26
(1,752)	1:436:A:VAL:HG23	1:437:A:PHE:H	11	0.26
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	5	0.26
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	5	0.26
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	5	0.26
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	5	0.26
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	5	0.26
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	5	0.26
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	5	0.26
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	5	0.26
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	5	0.26
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG11	4	0.26
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG12	4	0.26
(1,745)	1:430:A:ASN:HA	1:431:A:VAL:HG13	4	0.26
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE1	4	0.26
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE2	4	0.26
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE3	4	0.26
(1,736)	1:426:A:MET:H	1:431:A:VAL:HG11	8	0.26
(1,736)	1:426:A:MET:H	1:431:A:VAL:HG12	8	0.26
(1,736)	1:426:A:MET:H	1:431:A:VAL:HG13	8	0.26
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	8	0.26
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	8	0.26
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	19	0.26
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	19	0.26
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	19	0.26
(1,729)	1:407:A:LEU:HB2	1:408:A:PHE:H	13	0.26
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	4	0.26
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	4	0.26
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	4	0.26
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	4	0.26
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	4	0.26
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	4	0.26
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	4	0.26
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	4	0.26
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	4	0.26
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG21	8	0.26
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG22	8	0.26
(1,713)	1:463:A:ILE:H	1:478:A:VAL:HG23	8	0.26
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	2	0.26
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	2	0.26
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	2	0.26
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	2	0.26
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	2	0.26
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	2	0.26
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	2	0.26
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	2	0.26
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	2	0.26
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	2	0.26
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	2	0.26
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	2	0.26
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	2	0.26
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	2	0.26
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	2	0.26
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	2	0.26
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	2	0.26
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	13	0.26
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	13	0.26
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	13	0.26
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	13	0.26
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	13	0.26
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	13	0.26
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	13	0.26
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	13	0.26
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	13	0.26
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	13	0.26
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	13	0.26
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	13	0.26
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	13	0.26
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	13	0.26
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	13	0.26
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	13	0.26
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	13	0.26
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	13	0.26
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD11	4	0.26
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD12	4	0.26
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD13	4	0.26
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD21	4	0.26
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD22	4	0.26
(1,701)	1:411:A:HIS:HA	1:412:A:LEU:HD23	4	0.26
(1,667)	1:473:A:MET:HG2	1:474:A:LYS:HG2	20	0.26
(1,638)	1:413:A:PRO:HD2	1:476:A:LEU:HG	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,638)	1:413:A:PRO:HD3	1:476:A:LEU:HG	19	0.26
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	2	0.26
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	2	0.26
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	2	0.26
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	2	0.26
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	2	0.26
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	2	0.26
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	13	0.26
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	13	0.26
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	13	0.26
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	13	0.26
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	13	0.26
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	13	0.26
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG11	9	0.26
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG12	9	0.26
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG13	9	0.26
(1,612)	1:407:A:LEU:HG	1:451:A:VAL:H	18	0.26
(1,609)	1:409:A:ILE:HA	1:411:A:HIS:HB2	7	0.26
(1,608)	1:410:A:TYR:HA	1:411:A:HIS:HB2	10	0.26
(1,608)	1:410:A:TYR:HA	1:411:A:HIS:HB2	18	0.26
(1,592)	1:409:A:ILE:HG21	1:449:A:GLY:H	3	0.26
(1,592)	1:409:A:ILE:HG22	1:449:A:GLY:H	3	0.26
(1,592)	1:409:A:ILE:HG23	1:449:A:GLY:H	3	0.26
(1,588)	1:409:A:ILE:H	1:449:A:GLY:H	10	0.26
(1,587)	1:449:A:GLY:H	1:450:A:PHE:H	1	0.26
(1,587)	1:449:A:GLY:H	1:450:A:PHE:H	5	0.26
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE1	4	0.26
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE2	4	0.26
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE3	4	0.26
(1,548)	1:404:A:GLY:H	1:406:A:ASN:HD21	19	0.26
(1,548)	1:404:A:GLY:H	1:406:A:ASN:HD21	20	0.26
(1,544)	1:432:A:ILE:HG21	1:454:A:ASP:H	16	0.26
(1,544)	1:432:A:ILE:HG22	1:454:A:ASP:H	16	0.26
(1,544)	1:432:A:ILE:HG23	1:454:A:ASP:H	16	0.26
(1,539)	1:453:A:TYR:HB2	1:454:A:ASP:H	20	0.26
(1,531)	1:416:A:PHE:H	1:417:A:GLY:H	13	0.26
(1,531)	1:416:A:PHE:H	1:417:A:GLY:H	16	0.26
(1,516)	1:402:A:PRO:HG2	1:455:A:ASN:H	3	0.26
(1,516)	1:402:A:PRO:HG2	1:455:A:ASN:H	8	0.26
(1,510)	1:453:A:TYR:HB2	1:455:A:ASN:H	6	0.26
(1,510)	1:453:A:TYR:HB2	1:455:A:ASN:H	7	0.26
(1,510)	1:453:A:TYR:HB2	1:455:A:ASN:H	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:453:A:TYR:HB2	1:455:A:ASN:H	18	0.26
(1,506)	1:453:A:TYR:H	1:455:A:ASN:H	16	0.26
(1,504)	1:409:A:ILE:HA	1:412:A:LEU:H	6	0.26
(1,488)	1:406:A:ASN:H	1:407:A:LEU:HB3	3	0.26
(1,477)	1:444:A:LEU:HB3	1:445:A:SER:H	14	0.26
(1,469)	1:424:A:MET:H	1:425:A:PHE:HB3	8	0.26
(1,469)	1:424:A:MET:H	1:425:A:PHE:HB3	19	0.26
(1,466)	1:422:A:LEU:HB2	1:423:A:GLN:H	18	0.26
(1,465)	1:422:A:LEU:HB3	1:423:A:GLN:H	2	0.26
(1,453)	1:456:A:PRO:HA	1:460:A:GLN:H	19	0.26
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG21	12	0.26
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG22	12	0.26
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG23	12	0.26
(1,434)	1:416:A:PHE:HB3	1:421:A:ILE:H	6	0.26
(1,433)	1:463:A:ILE:HD11	1:464:A:GLN:H	5	0.26
(1,433)	1:463:A:ILE:HD12	1:464:A:GLN:H	5	0.26
(1,433)	1:463:A:ILE:HD13	1:464:A:GLN:H	5	0.26
(1,417)	1:439:A:ASP:HB2	1:441:A:GLN:H	8	0.26
(1,412)	1:441:A:GLN:H	1:443:A:ASN:H	14	0.26
(1,367)	1:468:A:GLY:H	1:469:A:PHE:HB2	11	0.26
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG21	8	0.26
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG22	8	0.26
(1,362)	1:463:A:ILE:H	1:478:A:VAL:HG23	8	0.26
(1,350)	1:407:A:LEU:HB2	1:408:A:PHE:H	13	0.26
(1,340)	1:465:A:ALA:H	1:467:A:ASN:H	6	0.26
(1,317)	1:473:A:MET:HB3	1:474:A:LYS:H	16	0.26
(1,317)	1:473:A:MET:HB3	1:474:A:LYS:H	20	0.26
(1,299)	1:403:A:GLU:HA	1:405:A:ALA:H	5	0.26
(1,299)	1:403:A:GLU:HA	1:405:A:ALA:H	11	0.26
(1,297)	1:405:A:ALA:H	1:406:A:ASN:HB3	10	0.26
(1,292)	1:436:A:VAL:HG11	1:450:A:PHE:H	7	0.26
(1,292)	1:436:A:VAL:HG12	1:450:A:PHE:H	7	0.26
(1,292)	1:436:A:VAL:HG13	1:450:A:PHE:H	7	0.26
(1,291)	1:435:A:LYS:HG3	1:450:A:PHE:H	20	0.26
(1,290)	1:409:A:ILE:HB	1:450:A:PHE:H	6	0.26
(1,286)	1:435:A:LYS:H	1:450:A:PHE:H	13	0.26
(1,285)	1:449:A:GLY:H	1:450:A:PHE:H	1	0.26
(1,285)	1:449:A:GLY:H	1:450:A:PHE:H	5	0.26
(1,279)	1:458:A:SER:HB3	1:459:A:ALA:H	20	0.26
(1,243)	1:400:A:GLU:H	1:401:A:GLY:H	3	0.26
(1,227)	1:418:A:ASP:H	1:436:A:VAL:HB	1	0.26
(1,214)	1:459:A:ALA:HA	1:462:A:ALA:H	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,212)	1:462:A:ALA:H	1:464:A:GLN:H	17	0.26
(1,212)	1:462:A:ALA:H	1:464:A:GLN:H	19	0.26
(1,209)	1:418:A:ASP:H	1:420:A:ASP:HB3	9	0.26
(1,206)	1:412:A:LEU:HD11	1:416:A:PHE:H	7	0.26
(1,206)	1:412:A:LEU:HD12	1:416:A:PHE:H	7	0.26
(1,206)	1:412:A:LEU:HD13	1:416:A:PHE:H	7	0.26
(1,206)	1:412:A:LEU:HD21	1:416:A:PHE:H	7	0.26
(1,206)	1:412:A:LEU:HD22	1:416:A:PHE:H	7	0.26
(1,206)	1:412:A:LEU:HD23	1:416:A:PHE:H	7	0.26
(1,200)	1:416:A:PHE:H	1:417:A:GLY:H	13	0.26
(1,200)	1:416:A:PHE:H	1:417:A:GLY:H	16	0.26
(1,187)	1:460:A:GLN:HG2	1:461:A:ALA:H	13	0.26
(1,187)	1:460:A:GLN:HG3	1:461:A:ALA:H	13	0.26
(1,178)	1:419:A:GLN:HA	1:422:A:LEU:H	20	0.26
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD2	6	0.26
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD3	6	0.26
(1,171)	1:483:A:SER:H	1:484:A:LYS:H	16	0.26
(1,171)	1:483:A:SER:H	1:484:A:LYS:H	18	0.26
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE1	5	0.26
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE2	5	0.26
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE1	9	0.26
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE2	9	0.26
(1,133)	1:405:A:ALA:HB1	1:451:A:VAL:H	8	0.26
(1,133)	1:405:A:ALA:HB2	1:451:A:VAL:H	8	0.26
(1,133)	1:405:A:ALA:HB3	1:451:A:VAL:H	8	0.26
(1,132)	1:434:A:ALA:HB1	1:451:A:VAL:H	8	0.26
(1,132)	1:434:A:ALA:HB2	1:451:A:VAL:H	8	0.26
(1,132)	1:434:A:ALA:HB3	1:451:A:VAL:H	8	0.26
(1,107)	1:410:A:TYR:H	1:477:A:LYS:H	18	0.26
(1,104)	1:408:A:PHE:HB2	1:479:A:GLN:H	7	0.26
(1,100)	1:450:A:PHE:HD1	1:451:A:VAL:H	15	0.26
(1,100)	1:450:A:PHE:HD2	1:451:A:VAL:H	15	0.26
(1,92)	1:477:A:LYS:H	1:478:A:VAL:H	8	0.26
(1,92)	1:477:A:LYS:H	1:478:A:VAL:H	11	0.26
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG21	11	0.26
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG22	11	0.26
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG23	11	0.26
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG21	13	0.26
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG22	13	0.26
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG23	13	0.26
(1,60)	1:436:A:VAL:HG21	1:437:A:PHE:H	6	0.26
(1,60)	1:436:A:VAL:HG22	1:437:A:PHE:H	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,60)	1:436:A:VAL:HG23	1:437:A:PHE:H	6	0.26
(1,60)	1:436:A:VAL:HG21	1:437:A:PHE:H	11	0.26
(1,60)	1:436:A:VAL:HG22	1:437:A:PHE:H	11	0.26
(1,60)	1:436:A:VAL:HG23	1:437:A:PHE:H	11	0.26
(1,54)	1:470:A:GLN:H	1:471:A:ILE:H	8	0.26
(1,49)	1:439:A:ASP:H	1:444:A:LEU:HB3	17	0.26
(1,48)	1:438:A:ILE:HB	1:439:A:ASP:H	14	0.26
(1,48)	1:438:A:ILE:HB	1:439:A:ASP:H	18	0.26
(1,33)	1:477:A:LYS:H	1:478:A:VAL:H	8	0.26
(1,33)	1:477:A:LYS:H	1:478:A:VAL:H	11	0.26
(1,30)	1:440:A:LYS:H	1:441:A:GLN:HG3	18	0.26
(1,28)	1:439:A:ASP:HB2	1:440:A:LYS:H	1	0.26
(1,28)	1:439:A:ASP:HB2	1:440:A:LYS:H	7	0.26
(1,28)	1:439:A:ASP:HB2	1:440:A:LYS:H	13	0.26
(1,21)	1:424:A:MET:H	1:426:A:MET:H	4	0.26
(1,5)	1:469:A:PHE:HB2	1:470:A:GLN:H	20	0.26
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	8	0.25
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	8	0.25
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	8	0.25
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	8	0.25
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	8	0.25
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	8	0.25
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE1	7	0.25
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE2	7	0.25
(1,1587)	1:412:A:LEU:HG	1:416:A:PHE:HD1	8	0.25
(1,1587)	1:412:A:LEU:HG	1:416:A:PHE:HD2	8	0.25
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE1	5	0.25
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE2	5	0.25
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE1	11	0.25
(1,1563)	1:416:A:PHE:HA	1:416:A:PHE:HE2	11	0.25
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	1	0.25
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	1	0.25
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	1	0.25
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	1	0.25
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	1	0.25
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	1	0.25
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	15	0.25
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	15	0.25
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	15	0.25
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	15	0.25
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	15	0.25
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1541)	1:421:A:ILE:HA	1:425:A:PHE:HD1	9	0.25
(1,1541)	1:421:A:ILE:HA	1:425:A:PHE:HD2	9	0.25
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB2	13	0.25
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB3	13	0.25
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB2	14	0.25
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB3	14	0.25
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB2	16	0.25
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB3	16	0.25
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG21	1	0.25
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG22	1	0.25
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG23	1	0.25
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG21	7	0.25
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG22	7	0.25
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG23	7	0.25
(1,1469)	1:483:A:SER:HB2	1:484:A:LYS:HA	17	0.25
(1,1469)	1:483:A:SER:HB3	1:484:A:LYS:HA	17	0.25
(1,1468)	1:484:A:LYS:HA	1:485:A:ASN:HA	9	0.25
(1,1464)	1:431:A:VAL:HA	1:453:A:TYR:HA	12	0.25
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	16	0.25
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	16	0.25
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	16	0.25
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG11	1	0.25
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG12	1	0.25
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG13	1	0.25
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD11	3	0.25
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD12	3	0.25
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD13	3	0.25
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	8	0.25
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	8	0.25
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	8	0.25
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	8	0.25
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	8	0.25
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	8	0.25
(1,1415)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	10	0.25
(1,1415)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	10	0.25
(1,1415)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	10	0.25
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD11	13	0.25
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD12	13	0.25
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD13	13	0.25
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD11	13	0.25
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD12	13	0.25
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD13	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD11	13	0.25
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD12	13	0.25
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD13	13	0.25
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD11	13	0.25
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD12	13	0.25
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD13	13	0.25
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD11	13	0.25
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD12	13	0.25
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD13	13	0.25
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD11	13	0.25
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD12	13	0.25
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD13	13	0.25
(1,1404)	1:420:A:ASP:HB2	1:423:A:GLN:HA	1	0.25
(1,1404)	1:420:A:ASP:HB2	1:423:A:GLN:HA	3	0.25
(1,1395)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	10	0.25
(1,1395)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	10	0.25
(1,1395)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	10	0.25
(1,1387)	1:409:A:ILE:HB	1:449:A:GLY:HA3	20	0.25
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD11	17	0.25
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD12	17	0.25
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD13	17	0.25
(1,1349)	1:474:A:LYS:HD2	1:475:A:ARG:HD2	19	0.25
(1,1349)	1:474:A:LYS:HD3	1:475:A:ARG:HD2	19	0.25
(1,1344)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	3	0.25
(1,1344)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	3	0.25
(1,1344)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	3	0.25
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	17	0.25
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	17	0.25
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	17	0.25
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	17	0.25
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	17	0.25
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	17	0.25
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	17	0.25
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	17	0.25
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	17	0.25
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	20	0.25
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	20	0.25
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	20	0.25
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	20	0.25
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	20	0.25
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	20	0.25
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	20	0.25
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	20	0.25
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	5	0.25
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	5	0.25
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	5	0.25
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	6	0.25
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	6	0.25
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	6	0.25
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG11	1	0.25
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG12	1	0.25
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG13	1	0.25
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	1	0.25
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	1	0.25
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	1	0.25
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	1	0.25
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	1	0.25
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	1	0.25
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	15	0.25
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	15	0.25
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	15	0.25
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	15	0.25
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	15	0.25
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	15	0.25
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG11	14	0.25
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG12	14	0.25
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG13	14	0.25
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG11	14	0.25
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG12	14	0.25
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG13	14	0.25
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB1	13	0.25
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB2	13	0.25
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB3	13	0.25
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB1	16	0.25
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB2	16	0.25
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB3	16	0.25
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG11	16	0.25
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG12	16	0.25
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG13	16	0.25
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	8	0.25
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	8	0.25
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	8	0.25
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	8	0.25
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	8	0.25
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG21	8	0.25
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG22	8	0.25
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG23	8	0.25
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG21	6	0.25
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG22	6	0.25
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG23	6	0.25
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG21	10	0.25
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG22	10	0.25
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG23	10	0.25
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD1	3	0.25
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD2	3	0.25
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD1	3	0.25
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD2	3	0.25
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD1	3	0.25
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD2	3	0.25
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD1	16	0.25
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD2	16	0.25
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD1	16	0.25
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD2	16	0.25
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD1	16	0.25
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD2	16	0.25
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	4	0.25
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	4	0.25
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	4	0.25
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	4	0.25
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	4	0.25
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	4	0.25
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	4	0.25
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	4	0.25
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	4	0.25
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	4	0.25
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	4	0.25
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	4	0.25
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	4	0.25
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	4	0.25
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	4	0.25
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	4	0.25
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	4	0.25
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	4	0.25
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG21	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG22	19	0.25
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG23	19	0.25
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG2	19	0.25
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG3	19	0.25
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG2	19	0.25
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG3	19	0.25
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG2	19	0.25
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG3	19	0.25
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG2	19	0.25
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG3	19	0.25
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG2	19	0.25
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG3	19	0.25
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG2	19	0.25
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG3	19	0.25
(1,1248)	1:404:A:GLY:HA3	1:480:A:LEU:HG	20	0.25
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	20	0.25
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	20	0.25
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	20	0.25
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	20	0.25
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	20	0.25
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	20	0.25
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	20	0.25
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	20	0.25
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	20	0.25
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	20	0.25
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	20	0.25
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	20	0.25
(1,1227)	1:412:A:LEU:HG	1:413:A:PRO:HG2	3	0.25
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD1	1	0.25
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD2	1	0.25
(1,1190)	1:481:A:LYS:HD3	1:482:A:ARG:HB3	2	0.25
(1,1190)	1:481:A:LYS:HD3	1:482:A:ARG:HB3	7	0.25
(1,1190)	1:481:A:LYS:HD3	1:482:A:ARG:HB3	12	0.25
(1,1179)	1:463:A:ILE:HD11	1:479:A:GLN:HA	6	0.25
(1,1179)	1:463:A:ILE:HD12	1:479:A:GLN:HA	6	0.25
(1,1179)	1:463:A:ILE:HD13	1:479:A:GLN:HA	6	0.25
(1,1176)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	9	0.25
(1,1176)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	9	0.25
(1,1176)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	9	0.25
(1,1176)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	9	0.25
(1,1162)	1:453:A:TYR:HD1	1:459:A:ALA:HA	9	0.25
(1,1162)	1:453:A:TYR:HD2	1:459:A:ALA:HA	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1157)	1:461:A:ALA:HA	1:464:A:GLN:H	18	0.25
(1,1150)	1:466:A:MET:HG2	1:467:A:ASN:H	11	0.25
(1,1150)	1:466:A:MET:HG3	1:467:A:ASN:H	11	0.25
(1,1147)	1:424:A:MET:HG2	1:425:A:PHE:H	15	0.25
(1,1147)	1:424:A:MET:HG3	1:425:A:PHE:H	15	0.25
(1,1145)	1:474:A:LYS:HA	1:475:A:ARG:HG2	14	0.25
(1,1145)	1:474:A:LYS:HA	1:475:A:ARG:HG3	14	0.25
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB2	7	0.25
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB3	7	0.25
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB2	7	0.25
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB3	7	0.25
(1,1133)	1:407:A:LEU:H	1:452:A:SER:HA	4	0.25
(1,1133)	1:407:A:LEU:H	1:452:A:SER:HA	6	0.25
(1,1118)	1:423:A:GLN:HG3	1:424:A:MET:H	2	0.25
(1,1116)	1:432:A:ILE:H	1:453:A:TYR:HA	9	0.25
(1,1105)	1:463:A:ILE:HA	1:478:A:VAL:HB	1	0.25
(1,1105)	1:463:A:ILE:HA	1:478:A:VAL:HB	11	0.25
(1,1092)	1:445:A:SER:HA	1:488:A:LYS:HA	10	0.25
(1,1088)	1:419:A:GLN:HA	1:422:A:LEU:H	7	0.25
(1,1088)	1:419:A:GLN:HA	1:422:A:LEU:H	8	0.25
(1,1085)	1:403:A:GLU:HG2	1:404:A:GLY:H	10	0.25
(1,1085)	1:403:A:GLU:HG2	1:404:A:GLY:H	11	0.25
(1,1077)	1:413:A:PRO:HB2	1:414:A:GLN:HA	18	0.25
(1,1077)	1:413:A:PRO:HB3	1:414:A:GLN:HA	18	0.25
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD11	2	0.25
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD12	2	0.25
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD13	2	0.25
(1,1066)	1:414:A:GLN:HA	1:415:A:GLU:HA	19	0.25
(1,1052)	1:400:A:GLU:HG3	1:401:A:GLY:H	5	0.25
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	17	0.25
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	17	0.25
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	17	0.25
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	17	0.25
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	17	0.25
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	17	0.25
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	17	0.25
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	17	0.25
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	17	0.25
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	20	0.25
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	20	0.25
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	20	0.25
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	20	0.25
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	20	0.25
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	20	0.25
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	20	0.25
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	20	0.25
(1,1044)	1:412:A:LEU:HA	1:421:A:ILE:HD11	12	0.25
(1,1044)	1:412:A:LEU:HA	1:421:A:ILE:HD12	12	0.25
(1,1044)	1:412:A:LEU:HA	1:421:A:ILE:HD13	12	0.25
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD11	2	0.25
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD12	2	0.25
(1,1022)	1:471:A:ILE:H	1:471:A:ILE:HD13	2	0.25
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	6	0.25
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	6	0.25
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	6	0.25
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	6	0.25
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	6	0.25
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	6	0.25
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD11	7	0.25
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD12	7	0.25
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD13	7	0.25
(1,983)	1:430:A:ASN:HB2	1:431:A:VAL:HA	20	0.25
(1,983)	1:430:A:ASN:HB3	1:431:A:VAL:HA	20	0.25
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG21	6	0.25
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG22	6	0.25
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG23	6	0.25
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG21	6	0.25
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG22	6	0.25
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG23	6	0.25
(1,942)	1:409:A:ILE:HB	1:449:A:GLY:H	7	0.25
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE1	2	0.25
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE2	2	0.25
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE3	2	0.25
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE1	2	0.25
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE2	2	0.25
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE3	2	0.25
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE1	2	0.25
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE2	2	0.25
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE3	2	0.25
(1,920)	1:402:A:PRO:HG3	1:455:A:ASN:HB2	16	0.25
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB1	9	0.25
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB2	9	0.25
(1,902)	1:459:A:ALA:HA	1:462:A:ALA:HB3	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,901)	1:462:A:ALA:HB1	1:465:A:ALA:H	1	0.25
(1,901)	1:462:A:ALA:HB2	1:465:A:ALA:H	1	0.25
(1,901)	1:462:A:ALA:HB3	1:465:A:ALA:H	1	0.25
(1,901)	1:462:A:ALA:HB1	1:465:A:ALA:H	14	0.25
(1,901)	1:462:A:ALA:HB2	1:465:A:ALA:H	14	0.25
(1,901)	1:462:A:ALA:HB3	1:465:A:ALA:H	14	0.25
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB1	16	0.25
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB2	16	0.25
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB3	16	0.25
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	12	0.25
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	12	0.25
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	12	0.25
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	12	0.25
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	12	0.25
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	12	0.25
(1,888)	1:448:A:PHE:HB2	1:449:A:GLY:HA2	8	0.25
(1,888)	1:448:A:PHE:HB3	1:449:A:GLY:HA2	8	0.25
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE1	16	0.25
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE2	16	0.25
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	16	0.25
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	16	0.25
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG21	19	0.25
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG22	19	0.25
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG23	19	0.25
(1,861)	1:452:A:SER:HB2	1:453:A:TYR:H	17	0.25
(1,854)	1:405:A:ALA:HB1	1:406:A:ASN:HD21	9	0.25
(1,854)	1:405:A:ALA:HB2	1:406:A:ASN:HD21	9	0.25
(1,854)	1:405:A:ALA:HB3	1:406:A:ASN:HD21	9	0.25
(1,852)	1:405:A:ALA:HB1	1:455:A:ASN:H	15	0.25
(1,852)	1:405:A:ALA:HB2	1:455:A:ASN:H	15	0.25
(1,852)	1:405:A:ALA:HB3	1:455:A:ASN:H	15	0.25
(1,850)	1:405:A:ALA:HB1	1:406:A:ASN:HD22	9	0.25
(1,850)	1:405:A:ALA:HB2	1:406:A:ASN:HD22	9	0.25
(1,850)	1:405:A:ALA:HB3	1:406:A:ASN:HD22	9	0.25
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	5	0.25
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	5	0.25
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	5	0.25
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	6	0.25
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	6	0.25
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	6	0.25
(1,823)	1:436:A:VAL:HG11	1:450:A:PHE:H	11	0.25
(1,823)	1:436:A:VAL:HG12	1:450:A:PHE:H	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:436:A:VAL:HG13	1:450:A:PHE:H	11	0.25
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB1	13	0.25
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB2	13	0.25
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB3	13	0.25
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB1	16	0.25
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB2	16	0.25
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB3	16	0.25
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB1	9	0.25
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB2	9	0.25
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB3	9	0.25
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB1	14	0.25
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB2	14	0.25
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB3	14	0.25
(1,810)	1:434:A:ALA:HB1	1:452:A:SER:H	3	0.25
(1,810)	1:434:A:ALA:HB2	1:452:A:SER:H	3	0.25
(1,810)	1:434:A:ALA:HB3	1:452:A:SER:H	3	0.25
(1,805)	1:465:A:ALA:HB1	1:466:A:MET:HG2	8	0.25
(1,805)	1:465:A:ALA:HB1	1:466:A:MET:HG3	8	0.25
(1,805)	1:465:A:ALA:HB2	1:466:A:MET:HG2	8	0.25
(1,805)	1:465:A:ALA:HB2	1:466:A:MET:HG3	8	0.25
(1,805)	1:465:A:ALA:HB3	1:466:A:MET:HG2	8	0.25
(1,805)	1:465:A:ALA:HB3	1:466:A:MET:HG3	8	0.25
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	1	0.25
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	1	0.25
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	1	0.25
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	1	0.25
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	1	0.25
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	1	0.25
(1,777)	1:451:A:VAL:HG21	1:453:A:TYR:H	17	0.25
(1,777)	1:451:A:VAL:HG22	1:453:A:TYR:H	17	0.25
(1,777)	1:451:A:VAL:HG23	1:453:A:TYR:H	17	0.25
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	16	0.25
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	16	0.25
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	16	0.25
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	16	0.25
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	16	0.25
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	16	0.25
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG11	3	0.25
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG12	3	0.25
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG13	3	0.25
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG21	3	0.25
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG22	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG23	3	0.25
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG11	17	0.25
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG12	17	0.25
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG13	17	0.25
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG21	17	0.25
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG22	17	0.25
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG23	17	0.25
(1,763)	1:457:A:VAL:HG11	1:459:A:ALA:H	2	0.25
(1,763)	1:457:A:VAL:HG12	1:459:A:ALA:H	2	0.25
(1,763)	1:457:A:VAL:HG13	1:459:A:ALA:H	2	0.25
(1,763)	1:457:A:VAL:HG21	1:459:A:ALA:H	2	0.25
(1,763)	1:457:A:VAL:HG22	1:459:A:ALA:H	2	0.25
(1,763)	1:457:A:VAL:HG23	1:459:A:ALA:H	2	0.25
(1,752)	1:436:A:VAL:HG21	1:437:A:PHE:H	2	0.25
(1,752)	1:436:A:VAL:HG22	1:437:A:PHE:H	2	0.25
(1,752)	1:436:A:VAL:HG23	1:437:A:PHE:H	2	0.25
(1,752)	1:436:A:VAL:HG21	1:437:A:PHE:H	20	0.25
(1,752)	1:436:A:VAL:HG22	1:437:A:PHE:H	20	0.25
(1,752)	1:436:A:VAL:HG23	1:437:A:PHE:H	20	0.25
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE1	5	0.25
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE2	5	0.25
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE3	5	0.25
(1,725)	1:407:A:LEU:HB3	1:425:A:PHE:HD1	9	0.25
(1,725)	1:407:A:LEU:HB3	1:425:A:PHE:HD2	9	0.25
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD11	16	0.25
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD12	16	0.25
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD13	16	0.25
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD21	16	0.25
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD22	16	0.25
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD23	16	0.25
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD11	16	0.25
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD12	16	0.25
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD13	16	0.25
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD21	16	0.25
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD22	16	0.25
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD23	16	0.25
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	4	0.25
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	4	0.25
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	4	0.25
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	4	0.25
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	4	0.25
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	4	0.25
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	4	0.25
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	4	0.25
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	4	0.25
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	4	0.25
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	4	0.25
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	4	0.25
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	4	0.25
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	4	0.25
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	4	0.25
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	4	0.25
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	4	0.25
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG2	4	0.25
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG3	4	0.25
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG2	4	0.25
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG3	4	0.25
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG2	4	0.25
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG3	4	0.25
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG2	4	0.25
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG3	4	0.25
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG2	4	0.25
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG3	4	0.25
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG2	4	0.25
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG3	4	0.25
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG2	19	0.25
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG3	19	0.25
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG2	19	0.25
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG3	19	0.25
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG2	19	0.25
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG3	19	0.25
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG2	19	0.25
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG3	19	0.25
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG2	19	0.25
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG3	19	0.25
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG2	19	0.25
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG3	19	0.25
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD11	18	0.25
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD12	18	0.25
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD13	18	0.25
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD21	18	0.25
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD22	18	0.25
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD23	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,684)	1:399:A:LYS:HG2	1:400:A:GLU:H	1	0.25
(1,684)	1:399:A:LYS:HG3	1:400:A:GLU:H	1	0.25
(1,684)	1:399:A:LYS:HG2	1:400:A:GLU:H	18	0.25
(1,684)	1:399:A:LYS:HG3	1:400:A:GLU:H	18	0.25
(1,673)	1:412:A:LEU:HG	1:416:A:PHE:HD1	8	0.25
(1,673)	1:412:A:LEU:HG	1:416:A:PHE:HD2	8	0.25
(1,667)	1:473:A:MET:HG2	1:474:A:LYS:HG2	4	0.25
(1,664)	1:471:A:ILE:HG21	1:474:A:LYS:HG3	20	0.25
(1,664)	1:471:A:ILE:HG22	1:474:A:LYS:HG3	20	0.25
(1,664)	1:471:A:ILE:HG23	1:474:A:LYS:HG3	20	0.25
(1,660)	1:406:A:ASN:H	1:480:A:LEU:HG	1	0.25
(1,660)	1:406:A:ASN:H	1:480:A:LEU:HG	16	0.25
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	4	0.25
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	4	0.25
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	4	0.25
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	4	0.25
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	4	0.25
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	4	0.25
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	4	0.25
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	4	0.25
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	4	0.25
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	4	0.25
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	4	0.25
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	4	0.25
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	4	0.25
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	4	0.25
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	4	0.25
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	4	0.25
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	4	0.25
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	4	0.25
(1,643)	1:410:A:TYR:HB2	1:412:A:LEU:HG	10	0.25
(1,643)	1:410:A:TYR:HB2	1:412:A:LEU:HG	16	0.25
(1,639)	1:469:A:PHE:HB3	1:476:A:LEU:HG	2	0.25
(1,635)	1:469:A:PHE:HD1	1:476:A:LEU:HG	17	0.25
(1,635)	1:469:A:PHE:HD2	1:476:A:LEU:HG	17	0.25
(1,634)	1:469:A:PHE:HE1	1:476:A:LEU:HG	3	0.25
(1,634)	1:469:A:PHE:HE2	1:476:A:LEU:HG	3	0.25
(1,628)	1:402:A:PRO:HD3	1:405:A:ALA:H	8	0.25
(1,628)	1:402:A:PRO:HD3	1:405:A:ALA:H	15	0.25
(1,624)	1:402:A:PRO:HD2	1:403:A:GLU:HB2	8	0.25
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	5	0.25
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	5	0.25
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	5	0.25
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	5	0.25
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	5	0.25
(1,619)	1:407:A:LEU:HG	1:453:A:TYR:H	13	0.25
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD1	6	0.25
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD2	6	0.25
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD1	10	0.25
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD2	10	0.25
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD1	18	0.25
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD2	18	0.25
(1,608)	1:410:A:TYR:HA	1:411:A:HIS:HB2	1	0.25
(1,608)	1:410:A:TYR:HA	1:411:A:HIS:HB2	11	0.25
(1,598)	1:429:A:GLY:H	1:430:A:ASN:H	8	0.25
(1,598)	1:429:A:GLY:H	1:430:A:ASN:H	9	0.25
(1,592)	1:409:A:ILE:HG21	1:449:A:GLY:H	20	0.25
(1,592)	1:409:A:ILE:HG22	1:449:A:GLY:H	20	0.25
(1,592)	1:409:A:ILE:HG23	1:449:A:GLY:H	20	0.25
(1,580)	1:401:A:GLY:H	1:406:A:ASN:HD21	6	0.25
(1,573)	1:463:A:ILE:HA	1:466:A:MET:H	4	0.25
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE1	5	0.25
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE2	5	0.25
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE3	5	0.25
(1,550)	1:402:A:PRO:HG2	1:404:A:GLY:H	4	0.25
(1,548)	1:404:A:GLY:H	1:406:A:ASN:HD21	12	0.25
(1,541)	1:454:A:ASP:H	1:458:A:SER:HB3	6	0.25
(1,541)	1:454:A:ASP:H	1:458:A:SER:HB3	13	0.25
(1,541)	1:454:A:ASP:H	1:458:A:SER:HB3	14	0.25
(1,541)	1:454:A:ASP:H	1:458:A:SER:HB3	16	0.25
(1,531)	1:416:A:PHE:H	1:417:A:GLY:H	6	0.25
(1,531)	1:416:A:PHE:H	1:417:A:GLY:H	8	0.25
(1,531)	1:416:A:PHE:H	1:417:A:GLY:H	9	0.25
(1,530)	1:417:A:GLY:H	1:421:A:ILE:H	13	0.25
(1,520)	1:433:A:SER:H	1:453:A:TYR:HA	19	0.25
(1,517)	1:430:A:ASN:HD22	1:431:A:VAL:H	12	0.25
(1,510)	1:453:A:TYR:HB2	1:455:A:ASN:H	10	0.25
(1,510)	1:453:A:TYR:HB2	1:455:A:ASN:H	13	0.25
(1,510)	1:453:A:TYR:HB2	1:455:A:ASN:H	15	0.25
(1,508)	1:453:A:TYR:HD1	1:455:A:ASN:H	2	0.25
(1,508)	1:453:A:TYR:HD2	1:455:A:ASN:H	2	0.25
(1,504)	1:409:A:ILE:HA	1:412:A:LEU:H	1	0.25
(1,492)	1:415:A:GLU:H	1:416:A:PHE:HB2	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,490)	1:406:A:ASN:H	1:406:A:ASN:HD21	9	0.25
(1,490)	1:406:A:ASN:H	1:406:A:ASN:HD21	15	0.25
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD11	12	0.25
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD12	12	0.25
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD13	12	0.25
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD21	12	0.25
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD22	12	0.25
(1,489)	1:406:A:ASN:H	1:407:A:LEU:HD23	12	0.25
(1,488)	1:406:A:ASN:H	1:407:A:LEU:HB3	11	0.25
(1,483)	1:406:A:ASN:H	1:406:A:ASN:HD22	7	0.25
(1,473)	1:444:A:LEU:H	1:445:A:SER:H	13	0.25
(1,468)	1:421:A:ILE:HG21	1:423:A:GLN:H	20	0.25
(1,468)	1:421:A:ILE:HG22	1:423:A:GLN:H	20	0.25
(1,468)	1:421:A:ILE:HG23	1:423:A:GLN:H	20	0.25
(1,467)	1:422:A:LEU:HD11	1:423:A:GLN:H	15	0.25
(1,467)	1:422:A:LEU:HD12	1:423:A:GLN:H	15	0.25
(1,467)	1:422:A:LEU:HD13	1:423:A:GLN:H	15	0.25
(1,467)	1:422:A:LEU:HD21	1:423:A:GLN:H	15	0.25
(1,467)	1:422:A:LEU:HD22	1:423:A:GLN:H	15	0.25
(1,467)	1:422:A:LEU:HD23	1:423:A:GLN:H	15	0.25
(1,465)	1:422:A:LEU:HB3	1:423:A:GLN:H	5	0.25
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD11	5	0.25
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD12	5	0.25
(1,458)	1:460:A:GLN:H	1:463:A:ILE:HD13	5	0.25
(1,456)	1:457:A:VAL:HA	1:460:A:GLN:H	1	0.25
(1,454)	1:458:A:SER:HA	1:460:A:GLN:H	8	0.25
(1,443)	1:417:A:GLY:H	1:421:A:ILE:H	13	0.25
(1,438)	1:420:A:ASP:HB3	1:421:A:ILE:H	6	0.25
(1,438)	1:420:A:ASP:HB3	1:421:A:ILE:H	8	0.25
(1,438)	1:420:A:ASP:HB3	1:421:A:ILE:H	14	0.25
(1,434)	1:416:A:PHE:HB3	1:421:A:ILE:H	2	0.25
(1,418)	1:440:A:LYS:HG2	1:441:A:GLN:H	17	0.25
(1,418)	1:440:A:LYS:HG3	1:441:A:GLN:H	17	0.25
(1,405)	1:471:A:ILE:HG12	1:472:A:GLY:H	17	0.25
(1,405)	1:471:A:ILE:HG13	1:472:A:GLY:H	17	0.25
(1,376)	1:444:A:LEU:H	1:445:A:SER:H	13	0.25
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB1	2	0.25
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB2	2	0.25
(1,374)	1:458:A:SER:H	1:459:A:ALA:HB3	2	0.25
(1,357)	1:463:A:ILE:H	1:465:A:ALA:H	13	0.25
(1,356)	1:461:A:ALA:H	1:463:A:ILE:H	1	0.25
(1,356)	1:461:A:ALA:H	1:463:A:ILE:H	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD11	7	0.25
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD12	7	0.25
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD13	7	0.25
(1,340)	1:465:A:ALA:H	1:467:A:ASN:H	12	0.25
(1,340)	1:465:A:ALA:H	1:467:A:ASN:H	13	0.25
(1,340)	1:465:A:ALA:H	1:467:A:ASN:H	14	0.25
(1,335)	1:466:A:MET:HG2	1:467:A:ASN:H	11	0.25
(1,335)	1:466:A:MET:HG3	1:467:A:ASN:H	11	0.25
(1,320)	1:434:A:ALA:HB1	1:452:A:SER:H	3	0.25
(1,320)	1:434:A:ALA:HB2	1:452:A:SER:H	3	0.25
(1,320)	1:434:A:ALA:HB3	1:452:A:SER:H	3	0.25
(1,314)	1:474:A:LYS:HD2	1:475:A:ARG:H	3	0.25
(1,314)	1:474:A:LYS:HD3	1:475:A:ARG:H	3	0.25
(1,299)	1:403:A:GLU:HA	1:405:A:ALA:H	8	0.25
(1,297)	1:405:A:ALA:H	1:406:A:ASN:HB3	4	0.25
(1,297)	1:405:A:ALA:H	1:406:A:ASN:HB3	20	0.25
(1,296)	1:450:A:PHE:H	1:451:A:VAL:H	8	0.25
(1,292)	1:436:A:VAL:HG11	1:450:A:PHE:H	11	0.25
(1,292)	1:436:A:VAL:HG12	1:450:A:PHE:H	11	0.25
(1,292)	1:436:A:VAL:HG13	1:450:A:PHE:H	11	0.25
(1,289)	1:435:A:LYS:HB2	1:450:A:PHE:H	8	0.25
(1,289)	1:435:A:LYS:HB3	1:450:A:PHE:H	8	0.25
(1,278)	1:453:A:TYR:HD1	1:459:A:ALA:H	4	0.25
(1,278)	1:453:A:TYR:HD2	1:459:A:ALA:H	4	0.25
(1,263)	1:408:A:PHE:HD1	1:409:A:ILE:H	19	0.25
(1,263)	1:408:A:PHE:HD2	1:409:A:ILE:H	19	0.25
(1,251)	1:452:A:SER:HB2	1:453:A:TYR:H	17	0.25
(1,250)	1:451:A:VAL:HG21	1:453:A:TYR:H	17	0.25
(1,250)	1:451:A:VAL:HG22	1:453:A:TYR:H	17	0.25
(1,250)	1:451:A:VAL:HG23	1:453:A:TYR:H	17	0.25
(1,248)	1:405:A:ALA:HB1	1:453:A:TYR:H	11	0.25
(1,248)	1:405:A:ALA:HB2	1:453:A:TYR:H	11	0.25
(1,248)	1:405:A:ALA:HB3	1:453:A:TYR:H	11	0.25
(1,245)	1:453:A:TYR:H	1:454:A:ASP:H	5	0.25
(1,243)	1:400:A:GLU:H	1:401:A:GLY:H	2	0.25
(1,243)	1:400:A:GLU:H	1:401:A:GLY:H	16	0.25
(1,243)	1:400:A:GLU:H	1:401:A:GLY:H	18	0.25
(1,242)	1:399:A:LYS:HG2	1:400:A:GLU:H	1	0.25
(1,242)	1:399:A:LYS:HG3	1:400:A:GLU:H	1	0.25
(1,242)	1:399:A:LYS:HG2	1:400:A:GLU:H	18	0.25
(1,242)	1:399:A:LYS:HG3	1:400:A:GLU:H	18	0.25
(1,210)	1:418:A:ASP:H	1:420:A:ASP:HB2	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,200)	1:416:A:PHE:H	1:417:A:GLY:H	6	0.25
(1,200)	1:416:A:PHE:H	1:417:A:GLY:H	8	0.25
(1,200)	1:416:A:PHE:H	1:417:A:GLY:H	9	0.25
(1,185)	1:461:A:ALA:H	1:463:A:ILE:H	1	0.25
(1,185)	1:461:A:ALA:H	1:463:A:ILE:H	5	0.25
(1,178)	1:419:A:GLN:HA	1:422:A:LEU:H	7	0.25
(1,178)	1:419:A:GLN:HA	1:422:A:LEU:H	8	0.25
(1,174)	1:398:A:GLN:HG3	1:399:A:LYS:H	2	0.25
(1,174)	1:398:A:GLN:HG3	1:399:A:LYS:H	16	0.25
(1,157)	1:406:A:ASN:HB2	1:407:A:LEU:H	1	0.25
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE1	19	0.25
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE2	19	0.25
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB2	20	0.25
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB3	20	0.25
(1,132)	1:434:A:ALA:HB1	1:451:A:VAL:H	7	0.25
(1,132)	1:434:A:ALA:HB2	1:451:A:VAL:H	7	0.25
(1,132)	1:434:A:ALA:HB3	1:451:A:VAL:H	7	0.25
(1,107)	1:410:A:TYR:H	1:477:A:LYS:H	10	0.25
(1,105)	1:408:A:PHE:HB3	1:479:A:GLN:H	16	0.25
(1,92)	1:477:A:LYS:H	1:478:A:VAL:H	15	0.25
(1,87)	1:481:A:LYS:H	1:481:A:LYS:HE2	20	0.25
(1,87)	1:481:A:LYS:H	1:481:A:LYS:HE3	20	0.25
(1,82)	1:421:A:ILE:HG21	1:434:A:ALA:H	11	0.25
(1,82)	1:421:A:ILE:HG22	1:434:A:ALA:H	11	0.25
(1,82)	1:421:A:ILE:HG23	1:434:A:ALA:H	11	0.25
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG21	16	0.25
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG22	16	0.25
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG23	16	0.25
(1,60)	1:436:A:VAL:HG21	1:437:A:PHE:H	2	0.25
(1,60)	1:436:A:VAL:HG22	1:437:A:PHE:H	2	0.25
(1,60)	1:436:A:VAL:HG23	1:437:A:PHE:H	2	0.25
(1,60)	1:436:A:VAL:HG21	1:437:A:PHE:H	20	0.25
(1,60)	1:436:A:VAL:HG22	1:437:A:PHE:H	20	0.25
(1,60)	1:436:A:VAL:HG23	1:437:A:PHE:H	20	0.25
(1,59)	1:471:A:ILE:H	1:475:A:ARG:HG2	1	0.25
(1,59)	1:471:A:ILE:H	1:475:A:ARG:HG3	1	0.25
(1,49)	1:439:A:ASP:H	1:444:A:LEU:HB3	13	0.25
(1,33)	1:477:A:LYS:H	1:478:A:VAL:H	15	0.25
(1,28)	1:439:A:ASP:HB2	1:440:A:LYS:H	8	0.25
(1,13)	1:432:A:ILE:H	1:454:A:ASP:H	7	0.25
(1,13)	1:432:A:ILE:H	1:454:A:ASP:H	14	0.25
(1,12)	1:440:A:LYS:H	1:442:A:THR:H	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:469:A:PHE:HB2	1:470:A:GLN:H	1	0.25
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE1	12	0.24
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE2	12	0.24
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE1	2	0.24
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE2	2	0.24
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE1	20	0.24
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE2	20	0.24
(1,1589)	1:411:A:HIS:HA	1:411:A:HIS:HD2	17	0.24
(1,1583)	1:416:A:PHE:HD1	1:417:A:GLY:H	11	0.24
(1,1583)	1:416:A:PHE:HD2	1:417:A:GLY:H	11	0.24
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB1	4	0.24
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB2	4	0.24
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB3	4	0.24
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB1	4	0.24
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB2	4	0.24
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB3	4	0.24
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB1	18	0.24
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB2	18	0.24
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB3	18	0.24
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB1	18	0.24
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB2	18	0.24
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB3	18	0.24
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	13	0.24
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	13	0.24
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	13	0.24
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	13	0.24
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	13	0.24
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	13	0.24
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	7	0.24
(1,1561)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	7	0.24
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD1	15	0.24
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD2	15	0.24
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD1	15	0.24
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD2	15	0.24
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD1	15	0.24
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD2	15	0.24
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	14	0.24
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	14	0.24
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	14	0.24
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	14	0.24
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	14	0.24
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1544)	1:421:A:ILE:HG21	1:425:A:PHE:HD1	18	0.24
(1,1544)	1:421:A:ILE:HG21	1:425:A:PHE:HD2	18	0.24
(1,1544)	1:421:A:ILE:HG22	1:425:A:PHE:HD1	18	0.24
(1,1544)	1:421:A:ILE:HG22	1:425:A:PHE:HD2	18	0.24
(1,1544)	1:421:A:ILE:HG23	1:425:A:PHE:HD1	18	0.24
(1,1544)	1:421:A:ILE:HG23	1:425:A:PHE:HD2	18	0.24
(1,1526)	1:422:A:LEU:HB3	1:423:A:GLN:HB2	9	0.24
(1,1526)	1:422:A:LEU:HB3	1:423:A:GLN:HB3	9	0.24
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD1	14	0.24
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD2	14	0.24
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG21	11	0.24
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG22	11	0.24
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG23	11	0.24
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB2	2	0.24
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB3	2	0.24
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB2	3	0.24
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB3	3	0.24
(1,1493)	1:455:A:ASN:HB3	1:457:A:VAL:HB	17	0.24
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG21	17	0.24
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG22	17	0.24
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG23	17	0.24
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG21	17	0.24
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG22	17	0.24
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG23	17	0.24
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG21	2	0.24
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG22	2	0.24
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG23	2	0.24
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE2	20	0.24
(1,1471)	1:481:A:LYS:HB3	1:481:A:LYS:HE3	20	0.24
(1,1469)	1:483:A:SER:HB2	1:484:A:LYS:HA	1	0.24
(1,1469)	1:483:A:SER:HB3	1:484:A:LYS:HA	1	0.24
(1,1469)	1:483:A:SER:HB2	1:484:A:LYS:HA	2	0.24
(1,1469)	1:483:A:SER:HB3	1:484:A:LYS:HA	2	0.24
(1,1469)	1:483:A:SER:HB2	1:484:A:LYS:HA	6	0.24
(1,1469)	1:483:A:SER:HB3	1:484:A:LYS:HA	6	0.24
(1,1453)	1:433:A:SER:HA	1:434:A:ALA:HA	9	0.24
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG11	7	0.24
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG12	7	0.24
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG13	7	0.24
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG11	10	0.24
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG12	10	0.24
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG13	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1415)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	1	0.24
(1,1415)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	1	0.24
(1,1415)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	1	0.24
(1,1415)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	7	0.24
(1,1415)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	7	0.24
(1,1415)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	7	0.24
(1,1415)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	16	0.24
(1,1415)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	16	0.24
(1,1415)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	16	0.24
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD11	20	0.24
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD12	20	0.24
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD13	20	0.24
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD11	20	0.24
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD12	20	0.24
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD13	20	0.24
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD11	20	0.24
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD12	20	0.24
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD13	20	0.24
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD11	20	0.24
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD12	20	0.24
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD13	20	0.24
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD11	20	0.24
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD12	20	0.24
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD13	20	0.24
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD11	20	0.24
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD12	20	0.24
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD13	20	0.24
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD11	11	0.24
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD12	11	0.24
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD13	11	0.24
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD11	18	0.24
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD12	18	0.24
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD13	18	0.24
(1,1405)	1:435:A:LYS:HB2	1:437:A:PHE:HB3	6	0.24
(1,1405)	1:435:A:LYS:HB3	1:437:A:PHE:HB3	6	0.24
(1,1404)	1:420:A:ASP:HB2	1:423:A:GLN:HA	5	0.24
(1,1404)	1:420:A:ASP:HB2	1:423:A:GLN:HA	17	0.24
(1,1395)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	1	0.24
(1,1395)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	1	0.24
(1,1395)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	1	0.24
(1,1395)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	7	0.24
(1,1395)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1395)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	7	0.24
(1,1395)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	16	0.24
(1,1395)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	16	0.24
(1,1395)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	16	0.24
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB1	10	0.24
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB2	10	0.24
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB3	10	0.24
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB1	10	0.24
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB2	10	0.24
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB3	10	0.24
(1,1352)	1:412:A:LEU:HG	1:417:A:GLY:HA3	18	0.24
(1,1350)	1:474:A:LYS:HD2	1:475:A:ARG:HD3	14	0.24
(1,1350)	1:474:A:LYS:HD3	1:475:A:ARG:HD3	14	0.24
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	5	0.24
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	5	0.24
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	5	0.24
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG11	7	0.24
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG12	7	0.24
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG13	7	0.24
(1,1318)	1:422:A:LEU:HA	1:434:A:ALA:HB1	9	0.24
(1,1318)	1:422:A:LEU:HA	1:434:A:ALA:HB2	9	0.24
(1,1318)	1:422:A:LEU:HA	1:434:A:ALA:HB3	9	0.24
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG21	15	0.24
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG22	15	0.24
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG23	15	0.24
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	2	0.24
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	2	0.24
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	2	0.24
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	15	0.24
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	15	0.24
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	15	0.24
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	17	0.24
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	17	0.24
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	17	0.24
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	16	0.24
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	16	0.24
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	16	0.24
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	16	0.24
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	16	0.24
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	16	0.24
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	16	0.24
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	16	0.24
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG21	3	0.24
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG22	3	0.24
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG23	3	0.24
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD11	4	0.24
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD12	4	0.24
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD13	4	0.24
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD21	4	0.24
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD22	4	0.24
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD23	4	0.24
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD11	4	0.24
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD12	4	0.24
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD13	4	0.24
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD21	4	0.24
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD22	4	0.24
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD23	4	0.24
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD11	4	0.24
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD12	4	0.24
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD13	4	0.24
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD21	4	0.24
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD22	4	0.24
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD23	4	0.24
(1,1248)	1:404:A:GLY:HA3	1:480:A:LEU:HG	3	0.24
(1,1247)	1:412:A:LEU:HG	1:421:A:ILE:HG13	17	0.24
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	4	0.24
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	4	0.24
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	4	0.24
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	20	0.24
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	20	0.24
(1,1196)	1:403:A:GLU:HB2	1:404:A:GLY:H	8	0.24
(1,1190)	1:481:A:LYS:HD3	1:482:A:ARG:HB3	4	0.24
(1,1190)	1:481:A:LYS:HD3	1:482:A:ARG:HB3	14	0.24
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD11	16	0.24
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD12	16	0.24
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD13	16	0.24
(1,1182)	1:432:A:ILE:HG21	1:454:A:ASP:HA	14	0.24
(1,1182)	1:432:A:ILE:HG22	1:454:A:ASP:HA	14	0.24
(1,1182)	1:432:A:ILE:HG23	1:454:A:ASP:HA	14	0.24
(1,1174)	1:439:A:ASP:HA	1:442:A:THR:H	2	0.24
(1,1161)	1:459:A:ALA:HA	1:461:A:ALA:H	13	0.24
(1,1157)	1:461:A:ALA:HA	1:464:A:GLN:H	16	0.24
(1,1146)	1:438:A:ILE:HA	1:443:A:ASN:HA	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1118)	1:423:A:GLN:HG3	1:424:A:MET:H	14	0.24
(1,1118)	1:423:A:GLN:HG3	1:424:A:MET:H	16	0.24
(1,1105)	1:463:A:ILE:HA	1:478:A:VAL:HB	13	0.24
(1,1078)	1:414:A:GLN:HA	1:415:A:GLU:HG2	18	0.24
(1,1078)	1:414:A:GLN:HA	1:415:A:GLU:HG3	18	0.24
(1,1077)	1:413:A:PRO:HB2	1:414:A:GLN:HA	14	0.24
(1,1077)	1:413:A:PRO:HB3	1:414:A:GLN:HA	14	0.24
(1,1073)	1:432:A:ILE:HD11	1:454:A:ASP:H	5	0.24
(1,1073)	1:432:A:ILE:HD12	1:454:A:ASP:H	5	0.24
(1,1073)	1:432:A:ILE:HD13	1:454:A:ASP:H	5	0.24
(1,1066)	1:414:A:GLN:HA	1:415:A:GLU:HA	5	0.24
(1,1042)	1:416:A:PHE:HD1	1:421:A:ILE:HD11	17	0.24
(1,1042)	1:416:A:PHE:HD1	1:421:A:ILE:HD12	17	0.24
(1,1042)	1:416:A:PHE:HD1	1:421:A:ILE:HD13	17	0.24
(1,1042)	1:416:A:PHE:HD2	1:421:A:ILE:HD11	17	0.24
(1,1042)	1:416:A:PHE:HD2	1:421:A:ILE:HD12	17	0.24
(1,1042)	1:416:A:PHE:HD2	1:421:A:ILE:HD13	17	0.24
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	13	0.24
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	13	0.24
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	13	0.24
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	13	0.24
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	13	0.24
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	13	0.24
(1,1012)	1:462:A:ALA:H	1:463:A:ILE:HB	1	0.24
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	2	0.24
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	2	0.24
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	2	0.24
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	15	0.24
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	15	0.24
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	15	0.24
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	17	0.24
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	17	0.24
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	17	0.24
(1,997)	1:485:A:ASN:HB2	1:486:A:ASP:H	2	0.24
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD11	10	0.24
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD12	10	0.24
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD13	10	0.24
(1,983)	1:430:A:ASN:HB2	1:431:A:VAL:HA	13	0.24
(1,983)	1:430:A:ASN:HB3	1:431:A:VAL:HA	13	0.24
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG21	20	0.24
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG22	20	0.24
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG23	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,958)	1:431:A:VAL:H	1:432:A:ILE:HG21	15	0.24
(1,958)	1:431:A:VAL:H	1:432:A:ILE:HG22	15	0.24
(1,958)	1:431:A:VAL:H	1:432:A:ILE:HG23	15	0.24
(1,943)	1:409:A:ILE:HB	1:450:A:PHE:H	11	0.24
(1,920)	1:402:A:PRO:HG3	1:455:A:ASN:HB2	1	0.24
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	17	0.24
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	17	0.24
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	17	0.24
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	17	0.24
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	17	0.24
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	17	0.24
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	17	0.24
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	17	0.24
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	17	0.24
(1,901)	1:462:A:ALA:HB1	1:465:A:ALA:H	9	0.24
(1,901)	1:462:A:ALA:HB2	1:465:A:ALA:H	9	0.24
(1,901)	1:462:A:ALA:HB3	1:465:A:ALA:H	9	0.24
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB1	6	0.24
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB2	6	0.24
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB3	6	0.24
(1,890)	1:439:A:ASP:HB3	1:440:A:LYS:HD2	3	0.24
(1,890)	1:439:A:ASP:HB3	1:440:A:LYS:HD3	3	0.24
(1,879)	1:453:A:TYR:HB3	1:455:A:ASN:H	3	0.24
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE1	8	0.24
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE2	8	0.24
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	8	0.24
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	8	0.24
(1,874)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	18	0.24
(1,863)	1:417:A:GLY:HA3	1:419:A:GLN:H	2	0.24
(1,861)	1:452:A:SER:HB2	1:453:A:TYR:H	4	0.24
(1,854)	1:405:A:ALA:HB1	1:406:A:ASN:HD21	17	0.24
(1,854)	1:405:A:ALA:HB2	1:406:A:ASN:HD21	17	0.24
(1,854)	1:405:A:ALA:HB3	1:406:A:ASN:HD21	17	0.24
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	14	0.24
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	14	0.24
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	14	0.24
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	14	0.24
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	14	0.24
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	14	0.24
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	14	0.24
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	14	0.24
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	14	0.24
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	14	0.24
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	14	0.24
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	14	0.24
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	14	0.24
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	14	0.24
(1,836)	1:444:A:LEU:HB3	1:445:A:SER:H	5	0.24
(1,832)	1:401:A:GLY:HA3	1:402:A:PRO:HG2	3	0.24
(1,831)	1:450:A:PHE:HB3	1:451:A:VAL:HB	3	0.24
(1,831)	1:450:A:PHE:HB3	1:451:A:VAL:HB	15	0.24
(1,831)	1:450:A:PHE:HB3	1:451:A:VAL:HB	18	0.24
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	14	0.24
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	14	0.24
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	14	0.24
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	14	0.24
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	14	0.24
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	14	0.24
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	14	0.24
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	14	0.24
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	14	0.24
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	10	0.24
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	10	0.24
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	10	0.24
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB1	1	0.24
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB2	1	0.24
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB3	1	0.24
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	17	0.24
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	17	0.24
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	17	0.24
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	17	0.24
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	17	0.24
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	17	0.24
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	17	0.24
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	17	0.24
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	17	0.24
(1,777)	1:451:A:VAL:HG21	1:453:A:TYR:H	3	0.24
(1,777)	1:451:A:VAL:HG22	1:453:A:TYR:H	3	0.24
(1,777)	1:451:A:VAL:HG23	1:453:A:TYR:H	3	0.24
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	9	0.24
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	9	0.24
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	9	0.24
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	9	0.24
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	9	0.24
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	12	0.24
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	12	0.24
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	12	0.24
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	12	0.24
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	12	0.24
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	12	0.24
(1,757)	1:404:A:GLY:HA2	1:480:A:LEU:HG	19	0.24
(1,752)	1:436:A:VAL:HG21	1:437:A:PHE:H	1	0.24
(1,752)	1:436:A:VAL:HG22	1:437:A:PHE:H	1	0.24
(1,752)	1:436:A:VAL:HG23	1:437:A:PHE:H	1	0.24
(1,752)	1:436:A:VAL:HG21	1:437:A:PHE:H	5	0.24
(1,752)	1:436:A:VAL:HG22	1:437:A:PHE:H	5	0.24
(1,752)	1:436:A:VAL:HG23	1:437:A:PHE:H	5	0.24
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	2	0.24
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	2	0.24
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	2	0.24
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	2	0.24
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	2	0.24
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	2	0.24
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	2	0.24
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	2	0.24
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	2	0.24
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	17	0.24
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	17	0.24
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	17	0.24
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	17	0.24
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	17	0.24
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	17	0.24
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	17	0.24
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	17	0.24
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	17	0.24
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	20	0.24
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	20	0.24
(1,729)	1:407:A:LEU:HB2	1:408:A:PHE:H	16	0.24
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD11	10	0.24
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD12	10	0.24
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD13	10	0.24
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG21	8	0.24
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG22	8	0.24
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG23	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,700)	1:476:A:LEU:HD11	1:477:A:LYS:H	4	0.24
(1,700)	1:476:A:LEU:HD12	1:477:A:LYS:H	4	0.24
(1,700)	1:476:A:LEU:HD13	1:477:A:LYS:H	4	0.24
(1,700)	1:476:A:LEU:HD21	1:477:A:LYS:H	4	0.24
(1,700)	1:476:A:LEU:HD22	1:477:A:LYS:H	4	0.24
(1,700)	1:476:A:LEU:HD23	1:477:A:LYS:H	4	0.24
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD11	2	0.24
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD12	2	0.24
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD13	2	0.24
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD21	2	0.24
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD22	2	0.24
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD23	2	0.24
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD11	20	0.24
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD12	20	0.24
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD13	20	0.24
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD21	20	0.24
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD22	20	0.24
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD23	20	0.24
(1,684)	1:399:A:LYS:HG2	1:400:A:GLU:H	5	0.24
(1,684)	1:399:A:LYS:HG3	1:400:A:GLU:H	5	0.24
(1,668)	1:473:A:MET:HG2	1:474:A:LYS:HG3	17	0.24
(1,668)	1:473:A:MET:HG2	1:474:A:LYS:HG3	20	0.24
(1,660)	1:406:A:ASN:H	1:480:A:LEU:HG	12	0.24
(1,643)	1:410:A:TYR:HB2	1:412:A:LEU:HG	5	0.24
(1,639)	1:469:A:PHE:HB3	1:476:A:LEU:HG	13	0.24
(1,635)	1:469:A:PHE:HD1	1:476:A:LEU:HG	11	0.24
(1,635)	1:469:A:PHE:HD2	1:476:A:LEU:HG	11	0.24
(1,632)	1:476:A:LEU:H	1:476:A:LEU:HG	7	0.24
(1,624)	1:402:A:PRO:HD2	1:403:A:GLU:HB2	17	0.24
(1,619)	1:407:A:LEU:HG	1:453:A:TYR:H	3	0.24
(1,619)	1:407:A:LEU:HG	1:453:A:TYR:H	6	0.24
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG11	1	0.24
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG12	1	0.24
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG13	1	0.24
(1,612)	1:407:A:LEU:HG	1:451:A:VAL:H	6	0.24
(1,609)	1:409:A:ILE:HA	1:411:A:HIS:HB2	13	0.24
(1,608)	1:410:A:TYR:HA	1:411:A:HIS:HB2	14	0.24
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG11	10	0.24
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG12	10	0.24
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG13	10	0.24
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG11	17	0.24
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG12	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG13	17	0.24
(1,596)	1:441:A:GLN:HG3	1:442:A:THR:H	7	0.24
(1,595)	1:439:A:ASP:HB3	1:442:A:THR:H	4	0.24
(1,594)	1:439:A:ASP:HB2	1:442:A:THR:H	4	0.24
(1,594)	1:439:A:ASP:HB2	1:442:A:THR:H	18	0.24
(1,593)	1:421:A:ILE:HD11	1:449:A:GLY:H	1	0.24
(1,593)	1:421:A:ILE:HD12	1:449:A:GLY:H	1	0.24
(1,593)	1:421:A:ILE:HD13	1:449:A:GLY:H	1	0.24
(1,593)	1:421:A:ILE:HD11	1:449:A:GLY:H	11	0.24
(1,593)	1:421:A:ILE:HD12	1:449:A:GLY:H	11	0.24
(1,593)	1:421:A:ILE:HD13	1:449:A:GLY:H	11	0.24
(1,587)	1:449:A:GLY:H	1:450:A:PHE:H	3	0.24
(1,587)	1:449:A:GLY:H	1:450:A:PHE:H	9	0.24
(1,581)	1:401:A:GLY:H	1:452:A:SER:HB3	1	0.24
(1,580)	1:401:A:GLY:H	1:406:A:ASN:HD21	11	0.24
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG21	1	0.24
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG22	1	0.24
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG23	1	0.24
(1,573)	1:463:A:ILE:HA	1:466:A:MET:H	6	0.24
(1,573)	1:463:A:ILE:HA	1:466:A:MET:H	12	0.24
(1,539)	1:453:A:TYR:HB2	1:454:A:ASP:H	1	0.24
(1,537)	1:430:A:ASN:HA	1:454:A:ASP:H	1	0.24
(1,537)	1:430:A:ASN:HA	1:454:A:ASP:H	17	0.24
(1,531)	1:416:A:PHE:H	1:417:A:GLY:H	14	0.24
(1,531)	1:416:A:PHE:H	1:417:A:GLY:H	20	0.24
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG21	16	0.24
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG22	16	0.24
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG23	16	0.24
(1,516)	1:402:A:PRO:HG2	1:455:A:ASN:H	1	0.24
(1,513)	1:453:A:TYR:HB3	1:455:A:ASN:H	3	0.24
(1,511)	1:455:A:ASN:H	1:458:A:SER:HB3	9	0.24
(1,492)	1:415:A:GLU:H	1:416:A:PHE:HB2	5	0.24
(1,490)	1:406:A:ASN:H	1:406:A:ASN:HD21	17	0.24
(1,477)	1:444:A:LEU:HB3	1:445:A:SER:H	5	0.24
(1,473)	1:444:A:LEU:H	1:445:A:SER:H	11	0.24
(1,468)	1:421:A:ILE:HG21	1:423:A:GLN:H	3	0.24
(1,468)	1:421:A:ILE:HG22	1:423:A:GLN:H	3	0.24
(1,468)	1:421:A:ILE:HG23	1:423:A:GLN:H	3	0.24
(1,453)	1:456:A:PRO:HA	1:460:A:GLN:H	2	0.24
(1,438)	1:420:A:ASP:HB3	1:421:A:ILE:H	20	0.24
(1,434)	1:416:A:PHE:HB3	1:421:A:ILE:H	3	0.24
(1,425)	1:438:A:ILE:HB	1:443:A:ASN:H	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,424)	1:443:A:ASN:H	1:444:A:LEU:HB3	2	0.24
(1,424)	1:443:A:ASN:H	1:444:A:LEU:HB3	20	0.24
(1,408)	1:420:A:ASP:H	1:422:A:LEU:H	4	0.24
(1,405)	1:471:A:ILE:HG12	1:472:A:GLY:H	4	0.24
(1,405)	1:471:A:ILE:HG13	1:472:A:GLY:H	4	0.24
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD1	18	0.24
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD2	18	0.24
(1,376)	1:444:A:LEU:H	1:445:A:SER:H	11	0.24
(1,350)	1:407:A:LEU:HB2	1:408:A:PHE:H	16	0.24
(1,342)	1:467:A:ASN:H	1:478:A:VAL:HB	11	0.24
(1,340)	1:465:A:ALA:H	1:467:A:ASN:H	15	0.24
(1,323)	1:431:A:VAL:HG21	1:452:A:SER:H	2	0.24
(1,323)	1:431:A:VAL:HG22	1:452:A:SER:H	2	0.24
(1,323)	1:431:A:VAL:HG23	1:452:A:SER:H	2	0.24
(1,317)	1:473:A:MET:HB3	1:474:A:LYS:H	17	0.24
(1,299)	1:403:A:GLU:HA	1:405:A:ALA:H	9	0.24
(1,299)	1:403:A:GLU:HA	1:405:A:ALA:H	16	0.24
(1,297)	1:405:A:ALA:H	1:406:A:ASN:HB3	14	0.24
(1,294)	1:409:A:ILE:HD11	1:450:A:PHE:H	11	0.24
(1,294)	1:409:A:ILE:HD12	1:450:A:PHE:H	11	0.24
(1,294)	1:409:A:ILE:HD13	1:450:A:PHE:H	11	0.24
(1,290)	1:409:A:ILE:HB	1:450:A:PHE:H	11	0.24
(1,286)	1:435:A:LYS:H	1:450:A:PHE:H	4	0.24
(1,285)	1:449:A:GLY:H	1:450:A:PHE:H	3	0.24
(1,285)	1:449:A:GLY:H	1:450:A:PHE:H	9	0.24
(1,281)	1:455:A:ASN:HB3	1:459:A:ALA:H	4	0.24
(1,263)	1:408:A:PHE:HD1	1:409:A:ILE:H	5	0.24
(1,263)	1:408:A:PHE:HD2	1:409:A:ILE:H	5	0.24
(1,251)	1:452:A:SER:HB2	1:453:A:TYR:H	4	0.24
(1,250)	1:451:A:VAL:HG21	1:453:A:TYR:H	3	0.24
(1,250)	1:451:A:VAL:HG22	1:453:A:TYR:H	3	0.24
(1,250)	1:451:A:VAL:HG23	1:453:A:TYR:H	3	0.24
(1,245)	1:453:A:TYR:H	1:454:A:ASP:H	13	0.24
(1,242)	1:399:A:LYS:HG2	1:400:A:GLU:H	5	0.24
(1,242)	1:399:A:LYS:HG3	1:400:A:GLU:H	5	0.24
(1,217)	1:462:A:ALA:H	1:463:A:ILE:HB	1	0.24
(1,212)	1:462:A:ALA:H	1:464:A:GLN:H	8	0.24
(1,205)	1:415:A:GLU:HG2	1:416:A:PHE:H	6	0.24
(1,205)	1:415:A:GLU:HG3	1:416:A:PHE:H	6	0.24
(1,205)	1:415:A:GLU:HG2	1:416:A:PHE:H	17	0.24
(1,205)	1:415:A:GLU:HG3	1:416:A:PHE:H	17	0.24
(1,200)	1:416:A:PHE:H	1:417:A:GLY:H	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,200)	1:416:A:PHE:H	1:417:A:GLY:H	20	0.24
(1,186)	1:459:A:ALA:HA	1:461:A:ALA:H	13	0.24
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD2	5	0.24
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD3	5	0.24
(1,163)	1:463:A:ILE:HB	1:480:A:LEU:H	9	0.24
(1,150)	1:407:A:LEU:H	1:409:A:ILE:H	18	0.24
(1,113)	1:476:A:LEU:HD11	1:477:A:LYS:H	4	0.24
(1,113)	1:476:A:LEU:HD12	1:477:A:LYS:H	4	0.24
(1,113)	1:476:A:LEU:HD13	1:477:A:LYS:H	4	0.24
(1,113)	1:476:A:LEU:HD21	1:477:A:LYS:H	4	0.24
(1,113)	1:476:A:LEU:HD22	1:477:A:LYS:H	4	0.24
(1,113)	1:476:A:LEU:HD23	1:477:A:LYS:H	4	0.24
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG11	8	0.24
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG12	8	0.24
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG13	8	0.24
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG11	10	0.24
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG12	10	0.24
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG13	10	0.24
(1,105)	1:408:A:PHE:HB3	1:479:A:GLN:H	7	0.24
(1,104)	1:408:A:PHE:HB2	1:479:A:GLN:H	11	0.24
(1,92)	1:477:A:LYS:H	1:478:A:VAL:H	6	0.24
(1,92)	1:477:A:LYS:H	1:478:A:VAL:H	12	0.24
(1,92)	1:477:A:LYS:H	1:478:A:VAL:H	16	0.24
(1,92)	1:477:A:LYS:H	1:478:A:VAL:H	20	0.24
(1,79)	1:433:A:SER:H	1:434:A:ALA:H	7	0.24
(1,66)	1:437:A:PHE:H	1:450:A:PHE:HD1	18	0.24
(1,66)	1:437:A:PHE:H	1:450:A:PHE:HD2	18	0.24
(1,66)	1:437:A:PHE:H	1:450:A:PHE:HD1	20	0.24
(1,66)	1:437:A:PHE:H	1:450:A:PHE:HD2	20	0.24
(1,60)	1:436:A:VAL:HG21	1:437:A:PHE:H	1	0.24
(1,60)	1:436:A:VAL:HG22	1:437:A:PHE:H	1	0.24
(1,60)	1:436:A:VAL:HG23	1:437:A:PHE:H	1	0.24
(1,60)	1:436:A:VAL:HG21	1:437:A:PHE:H	5	0.24
(1,60)	1:436:A:VAL:HG22	1:437:A:PHE:H	5	0.24
(1,60)	1:436:A:VAL:HG23	1:437:A:PHE:H	5	0.24
(1,49)	1:439:A:ASP:H	1:444:A:LEU:HB3	15	0.24
(1,42)	1:439:A:ASP:H	1:444:A:LEU:HG	14	0.24
(1,33)	1:477:A:LYS:H	1:478:A:VAL:H	6	0.24
(1,33)	1:477:A:LYS:H	1:478:A:VAL:H	12	0.24
(1,33)	1:477:A:LYS:H	1:478:A:VAL:H	16	0.24
(1,33)	1:477:A:LYS:H	1:478:A:VAL:H	20	0.24
(1,28)	1:439:A:ASP:HB2	1:440:A:LYS:H	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,19)	1:425:A:PHE:HD1	1:426:A:MET:H	19	0.24
(1,19)	1:425:A:PHE:HD2	1:426:A:MET:H	19	0.24
(1,4)	1:469:A:PHE:HB3	1:470:A:GLN:H	4	0.24
(1,1587)	1:412:A:LEU:HG	1:416:A:PHE:HD1	9	0.23
(1,1587)	1:412:A:LEU:HG	1:416:A:PHE:HD2	9	0.23
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE1	9	0.23
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE2	9	0.23
(1,1566)	1:428:A:PHE:HE1	1:466:A:MET:HB2	20	0.23
(1,1566)	1:428:A:PHE:HE1	1:466:A:MET:HB3	20	0.23
(1,1566)	1:428:A:PHE:HE2	1:466:A:MET:HB2	20	0.23
(1,1566)	1:428:A:PHE:HE2	1:466:A:MET:HB3	20	0.23
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD1	8	0.23
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD2	8	0.23
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD1	8	0.23
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD2	8	0.23
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD1	8	0.23
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD2	8	0.23
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD1	15	0.23
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD2	15	0.23
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB2	17	0.23
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB3	17	0.23
(1,1477)	1:481:A:LYS:HA	1:481:A:LYS:HE2	1	0.23
(1,1477)	1:481:A:LYS:HA	1:481:A:LYS:HE3	1	0.23
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD11	19	0.23
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD12	19	0.23
(1,1472)	1:460:A:GLN:HG2	1:463:A:ILE:HD13	19	0.23
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD11	19	0.23
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD12	19	0.23
(1,1472)	1:460:A:GLN:HG3	1:463:A:ILE:HD13	19	0.23
(1,1469)	1:483:A:SER:HB2	1:484:A:LYS:HA	10	0.23
(1,1469)	1:483:A:SER:HB3	1:484:A:LYS:HA	10	0.23
(1,1469)	1:483:A:SER:HB2	1:484:A:LYS:HA	18	0.23
(1,1469)	1:483:A:SER:HB3	1:484:A:LYS:HA	18	0.23
(1,1469)	1:483:A:SER:HB2	1:484:A:LYS:HA	20	0.23
(1,1469)	1:483:A:SER:HB3	1:484:A:LYS:HA	20	0.23
(1,1452)	1:432:A:ILE:HG21	1:433:A:SER:HA	3	0.23
(1,1452)	1:432:A:ILE:HG22	1:433:A:SER:HA	3	0.23
(1,1452)	1:432:A:ILE:HG23	1:433:A:SER:HA	3	0.23
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	12	0.23
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	12	0.23
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	12	0.23
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG11	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG12	5	0.23
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG13	5	0.23
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD1	1	0.23
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD2	1	0.23
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD1	2	0.23
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD2	2	0.23
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD1	14	0.23
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD2	14	0.23
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD11	19	0.23
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD12	19	0.23
(1,1424)	1:460:A:GLN:HG2	1:463:A:ILE:HD13	19	0.23
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD11	19	0.23
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD12	19	0.23
(1,1424)	1:460:A:GLN:HG3	1:463:A:ILE:HD13	19	0.23
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	20	0.23
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	20	0.23
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	20	0.23
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	20	0.23
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	20	0.23
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	20	0.23
(1,1415)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	11	0.23
(1,1415)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	11	0.23
(1,1415)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	11	0.23
(1,1415)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	15	0.23
(1,1415)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	15	0.23
(1,1415)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	15	0.23
(1,1415)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	18	0.23
(1,1415)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	18	0.23
(1,1415)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	18	0.23
(1,1415)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	19	0.23
(1,1415)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	19	0.23
(1,1415)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	19	0.23
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	7	0.23
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	7	0.23
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	7	0.23
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	7	0.23
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	7	0.23
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	7	0.23
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	7	0.23
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	7	0.23
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	7	0.23
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	7	0.23
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	7	0.23
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	7	0.23
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	7	0.23
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	7	0.23
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	7	0.23
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	7	0.23
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	7	0.23
(1,1406)	1:435:A:LYS:HB2	1:437:A:PHE:HB2	19	0.23
(1,1406)	1:435:A:LYS:HB3	1:437:A:PHE:HB2	19	0.23
(1,1405)	1:435:A:LYS:HB2	1:437:A:PHE:HB3	12	0.23
(1,1405)	1:435:A:LYS:HB3	1:437:A:PHE:HB3	12	0.23
(1,1395)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	11	0.23
(1,1395)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	11	0.23
(1,1395)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	11	0.23
(1,1395)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	15	0.23
(1,1395)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	15	0.23
(1,1395)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	15	0.23
(1,1395)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	18	0.23
(1,1395)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	18	0.23
(1,1395)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	18	0.23
(1,1395)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	19	0.23
(1,1395)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	19	0.23
(1,1395)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	19	0.23
(1,1387)	1:409:A:ILE:HB	1:449:A:GLY:HA3	13	0.23
(1,1387)	1:409:A:ILE:HB	1:449:A:GLY:HA3	14	0.23
(1,1371)	1:439:A:ASP:HA	1:440:A:LYS:HE2	5	0.23
(1,1371)	1:439:A:ASP:HA	1:440:A:LYS:HE3	5	0.23
(1,1371)	1:439:A:ASP:HA	1:440:A:LYS:HE2	12	0.23
(1,1371)	1:439:A:ASP:HA	1:440:A:LYS:HE3	12	0.23
(1,1356)	1:482:A:ARG:HD2	1:483:A:SER:HA	16	0.23
(1,1356)	1:482:A:ARG:HD3	1:483:A:SER:HA	16	0.23
(1,1352)	1:412:A:LEU:HG	1:417:A:GLY:HA3	5	0.23
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	4	0.23
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	4	0.23
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	4	0.23
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	4	0.23
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	4	0.23
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	4	0.23
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	4	0.23
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	4	0.23
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1336)	1:421:A:ILE:HG13	1:436:A:VAL:HG11	11	0.23
(1,1336)	1:421:A:ILE:HG13	1:436:A:VAL:HG12	11	0.23
(1,1336)	1:421:A:ILE:HG13	1:436:A:VAL:HG13	11	0.23
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG11	5	0.23
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG12	5	0.23
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG13	5	0.23
(1,1322)	1:436:A:VAL:HG11	1:448:A:PHE:HA	6	0.23
(1,1322)	1:436:A:VAL:HG12	1:448:A:PHE:HA	6	0.23
(1,1322)	1:436:A:VAL:HG13	1:448:A:PHE:HA	6	0.23
(1,1319)	1:434:A:ALA:HB1	1:451:A:VAL:HA	3	0.23
(1,1319)	1:434:A:ALA:HB2	1:451:A:VAL:HA	3	0.23
(1,1319)	1:434:A:ALA:HB3	1:451:A:VAL:HA	3	0.23
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	7	0.23
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	7	0.23
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	7	0.23
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG21	20	0.23
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG22	20	0.23
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG23	20	0.23
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD11	13	0.23
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD12	13	0.23
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD13	13	0.23
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD21	13	0.23
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD22	13	0.23
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD23	13	0.23
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD11	13	0.23
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD12	13	0.23
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD13	13	0.23
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD21	13	0.23
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD22	13	0.23
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD23	13	0.23
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD11	13	0.23
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD12	13	0.23
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD13	13	0.23
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD21	13	0.23
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD22	13	0.23
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD23	13	0.23
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	3	0.23
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	3	0.23
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	3	0.23
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	3	0.23
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	3	0.23
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	3	0.23
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	3	0.23
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	3	0.23
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	3	0.23
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	3	0.23
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	3	0.23
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	3	0.23
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	3	0.23
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	3	0.23
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	3	0.23
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	3	0.23
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	3	0.23
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	9	0.23
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	9	0.23
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	9	0.23
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	9	0.23
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	9	0.23
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	9	0.23
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	9	0.23
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	9	0.23
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	9	0.23
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	9	0.23
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	9	0.23
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	9	0.23
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	9	0.23
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	9	0.23
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	9	0.23
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	9	0.23
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	9	0.23
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	9	0.23
(1,1267)	1:412:A:LEU:HD11	1:414:A:GLN:HB3	8	0.23
(1,1267)	1:412:A:LEU:HD12	1:414:A:GLN:HB3	8	0.23
(1,1267)	1:412:A:LEU:HD13	1:414:A:GLN:HB3	8	0.23
(1,1267)	1:412:A:LEU:HD21	1:414:A:GLN:HB3	8	0.23
(1,1267)	1:412:A:LEU:HD22	1:414:A:GLN:HB3	8	0.23
(1,1267)	1:412:A:LEU:HD23	1:414:A:GLN:HB3	8	0.23
(1,1237)	1:422:A:LEU:HG	1:423:A:GLN:H	10	0.23
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD1	2	0.23
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD2	2	0.23
(1,1196)	1:403:A:GLU:HB2	1:404:A:GLY:H	4	0.23
(1,1196)	1:403:A:GLU:HB2	1:404:A:GLY:H	19	0.23
(1,1190)	1:481:A:LYS:HD3	1:482:A:ARG:HB3	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1189)	1:481:A:LYS:HD2	1:482:A:ARG:HB3	17	0.23
(1,1174)	1:439:A:ASP:HA	1:442:A:THR:H	7	0.23
(1,1150)	1:466:A:MET:HG2	1:467:A:ASN:H	17	0.23
(1,1150)	1:466:A:MET:HG3	1:467:A:ASN:H	17	0.23
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG2	14	0.23
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG3	14	0.23
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG2	19	0.23
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG3	19	0.23
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG2	19	0.23
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG3	19	0.23
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG2	19	0.23
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG3	19	0.23
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG2	20	0.23
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG3	20	0.23
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG2	20	0.23
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG3	20	0.23
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG2	20	0.23
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG3	20	0.23
(1,1122)	1:408:A:PHE:HA	1:449:A:GLY:H	5	0.23
(1,1116)	1:432:A:ILE:H	1:453:A:TYR:HA	16	0.23
(1,1116)	1:432:A:ILE:H	1:453:A:TYR:HA	18	0.23
(1,1116)	1:432:A:ILE:H	1:453:A:TYR:HA	20	0.23
(1,1092)	1:445:A:SER:HA	1:488:A:LYS:HA	12	0.23
(1,1092)	1:445:A:SER:HA	1:488:A:LYS:HA	17	0.23
(1,1089)	1:419:A:GLN:HA	1:422:A:LEU:HB3	7	0.23
(1,1088)	1:419:A:GLN:HA	1:422:A:LEU:H	9	0.23
(1,1082)	1:422:A:LEU:HA	1:425:A:PHE:HB2	4	0.23
(1,1078)	1:414:A:GLN:HA	1:415:A:GLU:HG2	16	0.23
(1,1078)	1:414:A:GLN:HA	1:415:A:GLU:HG3	16	0.23
(1,1077)	1:413:A:PRO:HB2	1:414:A:GLN:HA	20	0.23
(1,1077)	1:413:A:PRO:HB3	1:414:A:GLN:HA	20	0.23
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD11	16	0.23
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD12	16	0.23
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD13	16	0.23
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD11	20	0.23
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD12	20	0.23
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD13	20	0.23
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	4	0.23
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	4	0.23
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	4	0.23
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	4	0.23
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	4	0.23
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	4	0.23
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	4	0.23
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	4	0.23
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG21	4	0.23
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG22	4	0.23
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG23	4	0.23
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG21	4	0.23
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG22	4	0.23
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG23	4	0.23
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG21	4	0.23
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG22	4	0.23
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG23	4	0.23
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	7	0.23
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	7	0.23
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	7	0.23
(1,1006)	1:425:A:PHE:HB3	1:426:A:MET:HE1	15	0.23
(1,1006)	1:425:A:PHE:HB3	1:426:A:MET:HE2	15	0.23
(1,1006)	1:425:A:PHE:HB3	1:426:A:MET:HE3	15	0.23
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD11	6	0.23
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD12	6	0.23
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD13	6	0.23
(1,987)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	13	0.23
(1,987)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	13	0.23
(1,980)	1:471:A:ILE:HB	1:472:A:GLY:H	9	0.23
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG2	19	0.23
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG3	19	0.23
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG2	19	0.23
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG3	19	0.23
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG2	19	0.23
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG3	19	0.23
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG2	20	0.23
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG3	20	0.23
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG2	20	0.23
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG3	20	0.23
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG2	20	0.23
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG3	20	0.23
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE1	11	0.23
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE2	11	0.23
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE3	11	0.23
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE1	11	0.23
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE2	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE3	11	0.23
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE1	11	0.23
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE2	11	0.23
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE3	11	0.23
(1,920)	1:402:A:PRO:HG3	1:455:A:ASN:HB2	10	0.23
(1,911)	1:435:A:LYS:HE2	1:436:A:VAL:H	1	0.23
(1,911)	1:435:A:LYS:HE3	1:436:A:VAL:H	1	0.23
(1,901)	1:462:A:ALA:HB1	1:465:A:ALA:H	16	0.23
(1,901)	1:462:A:ALA:HB2	1:465:A:ALA:H	16	0.23
(1,901)	1:462:A:ALA:HB3	1:465:A:ALA:H	16	0.23
(1,884)	1:433:A:SER:HB2	1:452:A:SER:H	11	0.23
(1,877)	1:408:A:PHE:HB2	1:479:A:GLN:H	9	0.23
(1,877)	1:408:A:PHE:HB3	1:479:A:GLN:H	9	0.23
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE1	3	0.23
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE2	3	0.23
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	3	0.23
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	3	0.23
(1,874)	1:416:A:PHE:HB3	1:417:A:GLY:HA2	11	0.23
(1,850)	1:405:A:ALA:HB1	1:406:A:ASN:HD22	15	0.23
(1,850)	1:405:A:ALA:HB2	1:406:A:ASN:HD22	15	0.23
(1,850)	1:405:A:ALA:HB3	1:406:A:ASN:HD22	15	0.23
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	7	0.23
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	7	0.23
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	7	0.23
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	7	0.23
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	7	0.23
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	7	0.23
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	7	0.23
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	7	0.23
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	7	0.23
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	16	0.23
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	16	0.23
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	16	0.23
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	16	0.23
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	16	0.23
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	16	0.23
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	16	0.23
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	16	0.23
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	16	0.23
(1,836)	1:444:A:LEU:HB3	1:445:A:SER:H	6	0.23
(1,833)	1:449:A:GLY:HA3	1:450:A:PHE:HB2	9	0.23
(1,832)	1:401:A:GLY:HA3	1:402:A:PRO:HG2	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,831)	1:450:A:PHE:HB3	1:451:A:VAL:HB	8	0.23
(1,831)	1:450:A:PHE:HB3	1:451:A:VAL:HB	17	0.23
(1,828)	1:401:A:GLY:HA2	1:402:A:PRO:HG3	3	0.23
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	7	0.23
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	7	0.23
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	7	0.23
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	7	0.23
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	7	0.23
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	7	0.23
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	7	0.23
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	7	0.23
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	7	0.23
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	16	0.23
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	16	0.23
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	16	0.23
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	16	0.23
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	16	0.23
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	16	0.23
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	16	0.23
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	16	0.23
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	16	0.23
(1,820)	1:431:A:VAL:HG21	1:434:A:ALA:HB1	15	0.23
(1,820)	1:431:A:VAL:HG21	1:434:A:ALA:HB2	15	0.23
(1,820)	1:431:A:VAL:HG21	1:434:A:ALA:HB3	15	0.23
(1,820)	1:431:A:VAL:HG22	1:434:A:ALA:HB1	15	0.23
(1,820)	1:431:A:VAL:HG22	1:434:A:ALA:HB2	15	0.23
(1,820)	1:431:A:VAL:HG22	1:434:A:ALA:HB3	15	0.23
(1,820)	1:431:A:VAL:HG23	1:434:A:ALA:HB1	15	0.23
(1,820)	1:431:A:VAL:HG23	1:434:A:ALA:HB2	15	0.23
(1,820)	1:431:A:VAL:HG23	1:434:A:ALA:HB3	15	0.23
(1,817)	1:431:A:VAL:HB	1:434:A:ALA:HB1	8	0.23
(1,817)	1:431:A:VAL:HB	1:434:A:ALA:HB2	8	0.23
(1,817)	1:431:A:VAL:HB	1:434:A:ALA:HB3	8	0.23
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB1	1	0.23
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB2	1	0.23
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB3	1	0.23
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB1	12	0.23
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB2	12	0.23
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB3	12	0.23
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB1	5	0.23
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB2	5	0.23
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB3	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB1	18	0.23
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB2	18	0.23
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB3	18	0.23
(1,805)	1:465:A:ALA:HB1	1:466:A:MET:HG2	9	0.23
(1,805)	1:465:A:ALA:HB1	1:466:A:MET:HG3	9	0.23
(1,805)	1:465:A:ALA:HB2	1:466:A:MET:HG2	9	0.23
(1,805)	1:465:A:ALA:HB2	1:466:A:MET:HG3	9	0.23
(1,805)	1:465:A:ALA:HB3	1:466:A:MET:HG2	9	0.23
(1,805)	1:465:A:ALA:HB3	1:466:A:MET:HG3	9	0.23
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB1	3	0.23
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB2	3	0.23
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB3	3	0.23
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG11	6	0.23
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG12	6	0.23
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG13	6	0.23
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	3	0.23
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	3	0.23
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	3	0.23
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	3	0.23
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	3	0.23
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	3	0.23
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	13	0.23
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	13	0.23
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	13	0.23
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	13	0.23
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	13	0.23
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	13	0.23
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	16	0.23
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	16	0.23
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	16	0.23
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	16	0.23
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	16	0.23
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	16	0.23
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG11	6	0.23
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG12	6	0.23
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG13	6	0.23
(1,768)	1:457:A:VAL:HG11	1:458:A:SER:HB2	20	0.23
(1,768)	1:457:A:VAL:HG12	1:458:A:SER:HB2	20	0.23
(1,768)	1:457:A:VAL:HG13	1:458:A:SER:HB2	20	0.23
(1,768)	1:457:A:VAL:HG21	1:458:A:SER:HB2	20	0.23
(1,768)	1:457:A:VAL:HG22	1:458:A:SER:HB2	20	0.23
(1,768)	1:457:A:VAL:HG23	1:458:A:SER:HB2	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	12	0.23
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	12	0.23
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	12	0.23
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	12	0.23
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	12	0.23
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	12	0.23
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	12	0.23
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	12	0.23
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	12	0.23
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG11	19	0.23
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG12	19	0.23
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG13	19	0.23
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG11	19	0.23
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG12	19	0.23
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG13	19	0.23
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	7	0.23
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	7	0.23
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	7	0.23
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	16	0.23
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	16	0.23
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	16	0.23
(1,729)	1:407:A:LEU:HB2	1:408:A:PHE:H	1	0.23
(1,729)	1:407:A:LEU:HB2	1:408:A:PHE:H	2	0.23
(1,729)	1:407:A:LEU:HB2	1:408:A:PHE:H	9	0.23
(1,729)	1:407:A:LEU:HB2	1:408:A:PHE:H	17	0.23
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD11	6	0.23
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD12	6	0.23
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD13	6	0.23
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	3	0.23
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	3	0.23
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	3	0.23
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	3	0.23
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	3	0.23
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	3	0.23
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	3	0.23
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	3	0.23
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	3	0.23
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	3	0.23
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	3	0.23
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	3	0.23
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	3	0.23
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	3	0.23
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	3	0.23
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	3	0.23
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	3	0.23
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	9	0.23
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	9	0.23
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	9	0.23
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	9	0.23
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	9	0.23
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	9	0.23
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	9	0.23
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	9	0.23
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	9	0.23
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	9	0.23
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	9	0.23
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	9	0.23
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	9	0.23
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	9	0.23
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	9	0.23
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	9	0.23
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	9	0.23
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	9	0.23
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD2	9	0.23
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD3	9	0.23
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD2	9	0.23
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD3	9	0.23
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD2	9	0.23
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD3	9	0.23
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	7	0.23
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	7	0.23
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	7	0.23
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	7	0.23
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	7	0.23
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	7	0.23
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	7	0.23
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	7	0.23
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	7	0.23
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	7	0.23
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	7	0.23
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	7	0.23
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	7	0.23
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	7	0.23
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	7	0.23
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	7	0.23
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	7	0.23
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD11	1	0.23
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD12	1	0.23
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD13	1	0.23
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD21	1	0.23
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD22	1	0.23
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD23	1	0.23
(1,690)	1:480:A:LEU:HD11	1:481:A:LYS:HA	10	0.23
(1,690)	1:480:A:LEU:HD12	1:481:A:LYS:HA	10	0.23
(1,690)	1:480:A:LEU:HD13	1:481:A:LYS:HA	10	0.23
(1,690)	1:480:A:LEU:HD21	1:481:A:LYS:HA	10	0.23
(1,690)	1:480:A:LEU:HD22	1:481:A:LYS:HA	10	0.23
(1,690)	1:480:A:LEU:HD23	1:481:A:LYS:HA	10	0.23
(1,684)	1:399:A:LYS:HG2	1:400:A:GLU:H	8	0.23
(1,684)	1:399:A:LYS:HG3	1:400:A:GLU:H	8	0.23
(1,684)	1:399:A:LYS:HG2	1:400:A:GLU:H	20	0.23
(1,684)	1:399:A:LYS:HG3	1:400:A:GLU:H	20	0.23
(1,673)	1:412:A:LEU:HG	1:416:A:PHE:HD1	9	0.23
(1,673)	1:412:A:LEU:HG	1:416:A:PHE:HD2	9	0.23
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB2	2	0.23
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB3	2	0.23
(1,670)	1:480:A:LEU:H	1:480:A:LEU:HG	17	0.23
(1,670)	1:480:A:LEU:H	1:480:A:LEU:HG	19	0.23
(1,670)	1:480:A:LEU:H	1:480:A:LEU:HG	20	0.23
(1,658)	1:480:A:LEU:H	1:480:A:LEU:HG	17	0.23
(1,658)	1:480:A:LEU:H	1:480:A:LEU:HG	19	0.23
(1,658)	1:480:A:LEU:H	1:480:A:LEU:HG	20	0.23
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	3	0.23
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	3	0.23
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	3	0.23
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	3	0.23
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	3	0.23
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	3	0.23
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	3	0.23
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	3	0.23
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	3	0.23
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	3	0.23
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	3	0.23
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	3	0.23
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	3	0.23
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	3	0.23
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	3	0.23
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	3	0.23
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	3	0.23
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	9	0.23
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	9	0.23
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	9	0.23
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	9	0.23
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	9	0.23
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	9	0.23
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	9	0.23
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	9	0.23
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	9	0.23
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	9	0.23
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	9	0.23
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	9	0.23
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	9	0.23
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	9	0.23
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	9	0.23
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	9	0.23
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	9	0.23
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	9	0.23
(1,634)	1:469:A:PHE:HE1	1:476:A:LEU:HG	17	0.23
(1,634)	1:469:A:PHE:HE2	1:476:A:LEU:HG	17	0.23
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG11	10	0.23
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG12	10	0.23
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG13	10	0.23
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG11	12	0.23
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG12	12	0.23
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG13	12	0.23
(1,608)	1:410:A:TYR:HA	1:411:A:HIS:HB2	20	0.23
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG11	5	0.23
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG12	5	0.23
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG13	5	0.23
(1,598)	1:429:A:GLY:H	1:430:A:ASN:H	17	0.23
(1,594)	1:439:A:ASP:HB2	1:442:A:THR:H	6	0.23
(1,593)	1:421:A:ILE:HD11	1:449:A:GLY:H	15	0.23
(1,593)	1:421:A:ILE:HD12	1:449:A:GLY:H	15	0.23
(1,593)	1:421:A:ILE:HD13	1:449:A:GLY:H	15	0.23
(1,546)	1:404:A:GLY:H	1:406:A:ASN:HD22	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,541)	1:454:A:ASP:H	1:458:A:SER:HB3	18	0.23
(1,530)	1:417:A:GLY:H	1:421:A:ILE:H	15	0.23
(1,530)	1:417:A:GLY:H	1:421:A:ILE:H	17	0.23
(1,508)	1:453:A:TYR:HD1	1:455:A:ASN:H	10	0.23
(1,508)	1:453:A:TYR:HD2	1:455:A:ASN:H	10	0.23
(1,506)	1:453:A:TYR:H	1:455:A:ASN:H	20	0.23
(1,492)	1:415:A:GLU:H	1:416:A:PHE:HB2	3	0.23
(1,492)	1:415:A:GLU:H	1:416:A:PHE:HB2	18	0.23
(1,488)	1:406:A:ASN:H	1:407:A:LEU:HB3	6	0.23
(1,477)	1:444:A:LEU:HB3	1:445:A:SER:H	6	0.23
(1,473)	1:444:A:LEU:H	1:445:A:SER:H	3	0.23
(1,469)	1:424:A:MET:H	1:425:A:PHE:HB3	3	0.23
(1,465)	1:422:A:LEU:HB3	1:423:A:GLN:H	12	0.23
(1,465)	1:422:A:LEU:HB3	1:423:A:GLN:H	16	0.23
(1,443)	1:417:A:GLY:H	1:421:A:ILE:H	15	0.23
(1,443)	1:417:A:GLY:H	1:421:A:ILE:H	17	0.23
(1,434)	1:416:A:PHE:HB3	1:421:A:ILE:H	4	0.23
(1,425)	1:438:A:ILE:HB	1:443:A:ASN:H	19	0.23
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD11	2	0.23
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD12	2	0.23
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD13	2	0.23
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD21	2	0.23
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD22	2	0.23
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD23	2	0.23
(1,408)	1:420:A:ASP:H	1:422:A:LEU:H	17	0.23
(1,405)	1:471:A:ILE:HG12	1:472:A:GLY:H	7	0.23
(1,405)	1:471:A:ILE:HG13	1:472:A:GLY:H	7	0.23
(1,404)	1:471:A:ILE:HB	1:472:A:GLY:H	9	0.23
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD1	11	0.23
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD2	11	0.23
(1,390)	1:430:A:ASN:H	1:431:A:VAL:H	8	0.23
(1,376)	1:444:A:LEU:H	1:445:A:SER:H	3	0.23
(1,367)	1:468:A:GLY:H	1:469:A:PHE:HB2	14	0.23
(1,363)	1:407:A:LEU:HD11	1:463:A:ILE:H	10	0.23
(1,363)	1:407:A:LEU:HD12	1:463:A:ILE:H	10	0.23
(1,363)	1:407:A:LEU:HD13	1:463:A:ILE:H	10	0.23
(1,363)	1:407:A:LEU:HD21	1:463:A:ILE:H	10	0.23
(1,363)	1:407:A:LEU:HD22	1:463:A:ILE:H	10	0.23
(1,363)	1:407:A:LEU:HD23	1:463:A:ILE:H	10	0.23
(1,350)	1:407:A:LEU:HB2	1:408:A:PHE:H	1	0.23
(1,350)	1:407:A:LEU:HB2	1:408:A:PHE:H	2	0.23
(1,350)	1:407:A:LEU:HB2	1:408:A:PHE:H	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,350)	1:407:A:LEU:HB2	1:408:A:PHE:H	17	0.23
(1,342)	1:467:A:ASN:H	1:478:A:VAL:HB	9	0.23
(1,340)	1:465:A:ALA:H	1:467:A:ASN:H	18	0.23
(1,336)	1:464:A:GLN:HB2	1:467:A:ASN:H	16	0.23
(1,336)	1:464:A:GLN:HB3	1:467:A:ASN:H	16	0.23
(1,335)	1:466:A:MET:HG2	1:467:A:ASN:H	17	0.23
(1,335)	1:466:A:MET:HG3	1:467:A:ASN:H	17	0.23
(1,317)	1:473:A:MET:HB3	1:474:A:LYS:H	5	0.23
(1,317)	1:473:A:MET:HB3	1:474:A:LYS:H	15	0.23
(1,314)	1:474:A:LYS:HD2	1:475:A:ARG:H	5	0.23
(1,314)	1:474:A:LYS:HD3	1:475:A:ARG:H	5	0.23
(1,287)	1:436:A:VAL:HA	1:450:A:PHE:H	10	0.23
(1,283)	1:407:A:LEU:HG	1:459:A:ALA:H	19	0.23
(1,279)	1:458:A:SER:HB3	1:459:A:ALA:H	4	0.23
(1,269)	1:455:A:ASN:HD21	1:457:A:VAL:H	6	0.23
(1,259)	1:435:A:LYS:H	1:450:A:PHE:HD1	2	0.23
(1,259)	1:435:A:LYS:H	1:450:A:PHE:HD2	2	0.23
(1,259)	1:435:A:LYS:H	1:450:A:PHE:HD1	9	0.23
(1,259)	1:435:A:LYS:H	1:450:A:PHE:HD2	9	0.23
(1,242)	1:399:A:LYS:HG2	1:400:A:GLU:H	8	0.23
(1,242)	1:399:A:LYS:HG3	1:400:A:GLU:H	8	0.23
(1,242)	1:399:A:LYS:HG2	1:400:A:GLU:H	20	0.23
(1,242)	1:399:A:LYS:HG3	1:400:A:GLU:H	20	0.23
(1,205)	1:415:A:GLU:HG2	1:416:A:PHE:H	13	0.23
(1,205)	1:415:A:GLU:HG3	1:416:A:PHE:H	13	0.23
(1,178)	1:419:A:GLN:HA	1:422:A:LEU:H	9	0.23
(1,167)	1:480:A:LEU:H	1:480:A:LEU:HG	17	0.23
(1,167)	1:480:A:LEU:H	1:480:A:LEU:HG	19	0.23
(1,167)	1:480:A:LEU:H	1:480:A:LEU:HG	20	0.23
(1,155)	1:407:A:LEU:H	1:408:A:PHE:HB2	3	0.23
(1,155)	1:407:A:LEU:H	1:408:A:PHE:HB2	8	0.23
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE1	6	0.23
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE2	6	0.23
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE1	8	0.23
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE2	8	0.23
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB2	10	0.23
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB3	10	0.23
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB2	16	0.23
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB3	16	0.23
(1,105)	1:408:A:PHE:HB3	1:479:A:GLN:H	18	0.23
(1,104)	1:408:A:PHE:HB2	1:479:A:GLN:H	16	0.23
(1,104)	1:408:A:PHE:HB2	1:479:A:GLN:H	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,103)	1:407:A:LEU:HG	1:479:A:GLN:H	11	0.23
(1,92)	1:477:A:LYS:H	1:478:A:VAL:H	3	0.23
(1,92)	1:477:A:LYS:H	1:478:A:VAL:H	10	0.23
(1,35)	1:467:A:ASN:HB2	1:478:A:VAL:H	3	0.23
(1,33)	1:477:A:LYS:H	1:478:A:VAL:H	3	0.23
(1,33)	1:477:A:LYS:H	1:478:A:VAL:H	10	0.23
(1,21)	1:424:A:MET:H	1:426:A:MET:H	6	0.23
(1,21)	1:424:A:MET:H	1:426:A:MET:H	20	0.23
(1,13)	1:432:A:ILE:H	1:454:A:ASP:H	1	0.23
(1,12)	1:440:A:LYS:H	1:442:A:THR:H	17	0.23
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE1	18	0.22
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE2	18	0.22
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE1	12	0.22
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE2	12	0.22
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE1	15	0.22
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE2	15	0.22
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE1	18	0.22
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE2	18	0.22
(1,1583)	1:416:A:PHE:HD1	1:417:A:GLY:H	7	0.22
(1,1583)	1:416:A:PHE:HD2	1:417:A:GLY:H	7	0.22
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD1	8	0.22
(1,1582)	1:412:A:LEU:HD11	1:416:A:PHE:HD2	8	0.22
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD1	8	0.22
(1,1582)	1:412:A:LEU:HD12	1:416:A:PHE:HD2	8	0.22
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD1	8	0.22
(1,1582)	1:412:A:LEU:HD13	1:416:A:PHE:HD2	8	0.22
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD1	8	0.22
(1,1582)	1:412:A:LEU:HD21	1:416:A:PHE:HD2	8	0.22
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD1	8	0.22
(1,1582)	1:412:A:LEU:HD22	1:416:A:PHE:HD2	8	0.22
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD1	8	0.22
(1,1582)	1:412:A:LEU:HD23	1:416:A:PHE:HD2	8	0.22
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD1	8	0.22
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD2	8	0.22
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD1	17	0.22
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD2	17	0.22
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	15	0.22
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	15	0.22
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	15	0.22
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	15	0.22
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	15	0.22
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1566)	1:428:A:PHE:HE1	1:466:A:MET:HB2	2	0.22
(1,1566)	1:428:A:PHE:HE1	1:466:A:MET:HB3	2	0.22
(1,1566)	1:428:A:PHE:HE2	1:466:A:MET:HB2	2	0.22
(1,1566)	1:428:A:PHE:HE2	1:466:A:MET:HB3	2	0.22
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB1	19	0.22
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB2	19	0.22
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB3	19	0.22
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB1	19	0.22
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB2	19	0.22
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB3	19	0.22
(1,1554)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	11	0.22
(1,1554)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	11	0.22
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	9	0.22
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	9	0.22
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	9	0.22
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	9	0.22
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	9	0.22
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	9	0.22
(1,1546)	1:425:A:PHE:HD1	1:451:A:VAL:HG21	19	0.22
(1,1546)	1:425:A:PHE:HD1	1:451:A:VAL:HG22	19	0.22
(1,1546)	1:425:A:PHE:HD1	1:451:A:VAL:HG23	19	0.22
(1,1546)	1:425:A:PHE:HD2	1:451:A:VAL:HG21	19	0.22
(1,1546)	1:425:A:PHE:HD2	1:451:A:VAL:HG22	19	0.22
(1,1546)	1:425:A:PHE:HD2	1:451:A:VAL:HG23	19	0.22
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	10	0.22
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	10	0.22
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	10	0.22
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	10	0.22
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	10	0.22
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	10	0.22
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	11	0.22
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	11	0.22
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	11	0.22
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	11	0.22
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	11	0.22
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	11	0.22
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	18	0.22
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	18	0.22
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	18	0.22
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	18	0.22
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	18	0.22
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1544)	1:421:A:ILE:HG21	1:425:A:PHE:HD1	11	0.22
(1,1544)	1:421:A:ILE:HG21	1:425:A:PHE:HD2	11	0.22
(1,1544)	1:421:A:ILE:HG22	1:425:A:PHE:HD1	11	0.22
(1,1544)	1:421:A:ILE:HG22	1:425:A:PHE:HD2	11	0.22
(1,1544)	1:421:A:ILE:HG23	1:425:A:PHE:HD1	11	0.22
(1,1544)	1:421:A:ILE:HG23	1:425:A:PHE:HD2	11	0.22
(1,1541)	1:421:A:ILE:HA	1:425:A:PHE:HD1	8	0.22
(1,1541)	1:421:A:ILE:HA	1:425:A:PHE:HD2	8	0.22
(1,1515)	1:409:A:ILE:HG12	1:421:A:ILE:HD11	8	0.22
(1,1515)	1:409:A:ILE:HG12	1:421:A:ILE:HD12	8	0.22
(1,1515)	1:409:A:ILE:HG12	1:421:A:ILE:HD13	8	0.22
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG21	6	0.22
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG22	6	0.22
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG23	6	0.22
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB2	6	0.22
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB3	6	0.22
(1,1493)	1:455:A:ASN:HB3	1:457:A:VAL:HB	8	0.22
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG21	13	0.22
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG22	13	0.22
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG23	13	0.22
(1,1478)	1:467:A:ASN:HA	1:478:A:VAL:HG21	13	0.22
(1,1478)	1:467:A:ASN:HA	1:478:A:VAL:HG22	13	0.22
(1,1478)	1:467:A:ASN:HA	1:478:A:VAL:HG23	13	0.22
(1,1477)	1:481:A:LYS:HA	1:481:A:LYS:HE2	2	0.22
(1,1477)	1:481:A:LYS:HA	1:481:A:LYS:HE3	2	0.22
(1,1475)	1:467:A:ASN:HA	1:478:A:VAL:HG21	13	0.22
(1,1475)	1:467:A:ASN:HA	1:478:A:VAL:HG22	13	0.22
(1,1475)	1:467:A:ASN:HA	1:478:A:VAL:HG23	13	0.22
(1,1452)	1:432:A:ILE:HG21	1:433:A:SER:HA	9	0.22
(1,1452)	1:432:A:ILE:HG22	1:433:A:SER:HA	9	0.22
(1,1452)	1:432:A:ILE:HG23	1:433:A:SER:HA	9	0.22
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD11	6	0.22
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD12	6	0.22
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD13	6	0.22
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG11	6	0.22
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG12	6	0.22
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG13	6	0.22
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG11	16	0.22
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG12	16	0.22
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG13	16	0.22
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG11	20	0.22
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG12	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG13	20	0.22
(1,1415)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	2	0.22
(1,1415)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	2	0.22
(1,1415)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	2	0.22
(1,1415)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	4	0.22
(1,1415)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	4	0.22
(1,1415)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	4	0.22
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD11	18	0.22
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD12	18	0.22
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD13	18	0.22
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD11	18	0.22
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD12	18	0.22
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD13	18	0.22
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD11	18	0.22
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD12	18	0.22
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD13	18	0.22
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD11	18	0.22
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD12	18	0.22
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD13	18	0.22
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD11	18	0.22
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD12	18	0.22
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD13	18	0.22
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD11	18	0.22
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD12	18	0.22
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD13	18	0.22
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD11	6	0.22
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD12	6	0.22
(1,1410)	1:408:A:PHE:HA	1:409:A:ILE:HD13	6	0.22
(1,1395)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	2	0.22
(1,1395)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	2	0.22
(1,1395)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	2	0.22
(1,1395)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	4	0.22
(1,1395)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	4	0.22
(1,1395)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	4	0.22
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB1	2	0.22
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB2	2	0.22
(1,1385)	1:451:A:VAL:HG11	1:459:A:ALA:HB3	2	0.22
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB1	2	0.22
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB2	2	0.22
(1,1385)	1:451:A:VAL:HG12	1:459:A:ALA:HB3	2	0.22
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB1	2	0.22
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB2	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1385)	1:451:A:VAL:HG13	1:459:A:ALA:HB3	2	0.22
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB1	5	0.22
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB2	5	0.22
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB3	5	0.22
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB1	5	0.22
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB2	5	0.22
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB3	5	0.22
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB1	5	0.22
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB2	5	0.22
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB3	5	0.22
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB1	9	0.22
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB2	9	0.22
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB3	9	0.22
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB1	9	0.22
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB2	9	0.22
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB3	9	0.22
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB1	9	0.22
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB2	9	0.22
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB3	9	0.22
(1,1348)	1:475:A:ARG:HA	1:475:A:ARG:HD2	14	0.22
(1,1347)	1:475:A:ARG:HA	1:475:A:ARG:HD3	19	0.22
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	9	0.22
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	9	0.22
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	9	0.22
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	9	0.22
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	9	0.22
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	9	0.22
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	9	0.22
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	9	0.22
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	9	0.22
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	16	0.22
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	16	0.22
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	16	0.22
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG11	6	0.22
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG12	6	0.22
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG13	6	0.22
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG11	16	0.22
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG12	16	0.22
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG13	16	0.22
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG11	20	0.22
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG12	20	0.22
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG13	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	9	0.22
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	9	0.22
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	9	0.22
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	9	0.22
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	9	0.22
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	9	0.22
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG11	16	0.22
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG12	16	0.22
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG13	16	0.22
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG11	16	0.22
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG12	16	0.22
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG13	16	0.22
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	5	0.22
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	5	0.22
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	5	0.22
(1,1303)	1:425:A:PHE:HD1	1:451:A:VAL:HG21	19	0.22
(1,1303)	1:425:A:PHE:HD1	1:451:A:VAL:HG22	19	0.22
(1,1303)	1:425:A:PHE:HD1	1:451:A:VAL:HG23	19	0.22
(1,1303)	1:425:A:PHE:HD2	1:451:A:VAL:HG21	19	0.22
(1,1303)	1:425:A:PHE:HD2	1:451:A:VAL:HG22	19	0.22
(1,1303)	1:425:A:PHE:HD2	1:451:A:VAL:HG23	19	0.22
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG21	14	0.22
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG22	14	0.22
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG23	14	0.22
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	14	0.22
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	14	0.22
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	14	0.22
(1,1288)	1:431:A:VAL:HG11	1:453:A:TYR:HE1	16	0.22
(1,1288)	1:431:A:VAL:HG11	1:453:A:TYR:HE2	16	0.22
(1,1288)	1:431:A:VAL:HG12	1:453:A:TYR:HE1	16	0.22
(1,1288)	1:431:A:VAL:HG12	1:453:A:TYR:HE2	16	0.22
(1,1288)	1:431:A:VAL:HG13	1:453:A:TYR:HE1	16	0.22
(1,1288)	1:431:A:VAL:HG13	1:453:A:TYR:HE2	16	0.22
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD1	14	0.22
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD2	14	0.22
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD1	14	0.22
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD2	14	0.22
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD1	14	0.22
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD2	14	0.22
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG21	11	0.22
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG22	11	0.22
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG23	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1274)	1:467:A:ASN:HA	1:478:A:VAL:HG21	13	0.22
(1,1274)	1:467:A:ASN:HA	1:478:A:VAL:HG22	13	0.22
(1,1274)	1:467:A:ASN:HA	1:478:A:VAL:HG23	13	0.22
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG21	20	0.22
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG22	20	0.22
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG23	20	0.22
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG21	20	0.22
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG22	20	0.22
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG23	20	0.22
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB1	8	0.22
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB2	8	0.22
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB3	8	0.22
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB1	8	0.22
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB2	8	0.22
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB3	8	0.22
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB1	8	0.22
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB2	8	0.22
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB3	8	0.22
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB1	8	0.22
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB2	8	0.22
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB3	8	0.22
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB1	8	0.22
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB2	8	0.22
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB3	8	0.22
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB1	8	0.22
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB2	8	0.22
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB3	8	0.22
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG2	15	0.22
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG3	15	0.22
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG2	15	0.22
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG3	15	0.22
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG2	15	0.22
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG3	15	0.22
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG2	15	0.22
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG3	15	0.22
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG2	15	0.22
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG3	15	0.22
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG2	15	0.22
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG3	15	0.22
(1,1260)	1:442:A:THR:HB	1:444:A:LEU:HG	15	0.22
(1,1254)	1:442:A:THR:HB	1:444:A:LEU:HG	15	0.22
(1,1248)	1:404:A:GLY:HA3	1:480:A:LEU:HG	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1237)	1:422:A:LEU:HG	1:423:A:GLN:H	16	0.22
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	1	0.22
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	1	0.22
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	4	0.22
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	4	0.22
(1,1174)	1:439:A:ASP:HA	1:442:A:THR:H	16	0.22
(1,1160)	1:459:A:ALA:HA	1:462:A:ALA:H	11	0.22
(1,1159)	1:459:A:ALA:HA	1:461:A:ALA:HA	9	0.22
(1,1157)	1:461:A:ALA:HA	1:464:A:GLN:H	1	0.22
(1,1154)	1:461:A:ALA:HA	1:462:A:ALA:HA	16	0.22
(1,1150)	1:466:A:MET:HG2	1:467:A:ASN:H	12	0.22
(1,1150)	1:466:A:MET:HG3	1:467:A:ASN:H	12	0.22
(1,1146)	1:438:A:ILE:HA	1:443:A:ASN:HA	11	0.22
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG2	17	0.22
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG3	17	0.22
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG2	16	0.22
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG3	16	0.22
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG2	16	0.22
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG3	16	0.22
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG2	16	0.22
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG3	16	0.22
(1,1121)	1:410:A:TYR:HA	1:449:A:GLY:H	3	0.22
(1,1119)	1:464:A:GLN:HG2	1:465:A:ALA:H	14	0.22
(1,1119)	1:464:A:GLN:HG3	1:465:A:ALA:H	14	0.22
(1,1098)	1:440:A:LYS:HA	1:442:A:THR:H	12	0.22
(1,1089)	1:419:A:GLN:HA	1:422:A:LEU:HB3	9	0.22
(1,1082)	1:422:A:LEU:HA	1:425:A:PHE:HB2	19	0.22
(1,1081)	1:422:A:LEU:HD11	1:423:A:GLN:HA	3	0.22
(1,1081)	1:422:A:LEU:HD12	1:423:A:GLN:HA	3	0.22
(1,1081)	1:422:A:LEU:HD13	1:423:A:GLN:HA	3	0.22
(1,1081)	1:422:A:LEU:HD21	1:423:A:GLN:HA	3	0.22
(1,1081)	1:422:A:LEU:HD22	1:423:A:GLN:HA	3	0.22
(1,1081)	1:422:A:LEU:HD23	1:423:A:GLN:HA	3	0.22
(1,1079)	1:423:A:GLN:HA	1:426:A:MET:H	16	0.22
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD11	7	0.22
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD12	7	0.22
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD13	7	0.22
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD11	13	0.22
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD12	13	0.22
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD13	13	0.22
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	9	0.22
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	9	0.22
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	9	0.22
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	9	0.22
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	9	0.22
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	9	0.22
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	9	0.22
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	9	0.22
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG21	7	0.22
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG22	7	0.22
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG23	7	0.22
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG21	7	0.22
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG22	7	0.22
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG23	7	0.22
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG21	7	0.22
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG22	7	0.22
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG23	7	0.22
(1,1012)	1:462:A:ALA:H	1:463:A:ILE:HB	13	0.22
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	5	0.22
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	5	0.22
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	5	0.22
(1,997)	1:485:A:ASN:HB2	1:486:A:ASP:H	9	0.22
(1,997)	1:485:A:ASN:HB2	1:486:A:ASP:H	14	0.22
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD11	1	0.22
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD12	1	0.22
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD13	1	0.22
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD11	5	0.22
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD12	5	0.22
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD13	5	0.22
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD11	16	0.22
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD12	16	0.22
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD13	16	0.22
(1,983)	1:430:A:ASN:HB2	1:431:A:VAL:HA	4	0.22
(1,983)	1:430:A:ASN:HB3	1:431:A:VAL:HA	4	0.22
(1,983)	1:430:A:ASN:HB2	1:431:A:VAL:HA	19	0.22
(1,983)	1:430:A:ASN:HB3	1:431:A:VAL:HA	19	0.22
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG21	12	0.22
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG22	12	0.22
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG23	12	0.22
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG2	16	0.22
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG3	16	0.22
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG2	16	0.22
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG3	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG2	16	0.22
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG3	16	0.22
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG11	3	0.22
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG12	3	0.22
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG13	3	0.22
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG11	3	0.22
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG12	3	0.22
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG13	3	0.22
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG11	3	0.22
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG12	3	0.22
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG13	3	0.22
(1,922)	1:455:A:ASN:HB3	1:458:A:SER:H	14	0.22
(1,920)	1:402:A:PRO:HG3	1:455:A:ASN:HB2	20	0.22
(1,912)	1:435:A:LYS:HE2	1:438:A:ILE:H	9	0.22
(1,912)	1:435:A:LYS:HE3	1:438:A:ILE:H	9	0.22
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	18	0.22
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	18	0.22
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	18	0.22
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	18	0.22
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	18	0.22
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	18	0.22
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	18	0.22
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	18	0.22
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	18	0.22
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	20	0.22
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	20	0.22
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	20	0.22
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	20	0.22
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	20	0.22
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	20	0.22
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	20	0.22
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	20	0.22
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	20	0.22
(1,904)	1:451:A:VAL:HG11	1:462:A:ALA:HB1	14	0.22
(1,904)	1:451:A:VAL:HG11	1:462:A:ALA:HB2	14	0.22
(1,904)	1:451:A:VAL:HG11	1:462:A:ALA:HB3	14	0.22
(1,904)	1:451:A:VAL:HG12	1:462:A:ALA:HB1	14	0.22
(1,904)	1:451:A:VAL:HG12	1:462:A:ALA:HB2	14	0.22
(1,904)	1:451:A:VAL:HG12	1:462:A:ALA:HB3	14	0.22
(1,904)	1:451:A:VAL:HG13	1:462:A:ALA:HB1	14	0.22
(1,904)	1:451:A:VAL:HG13	1:462:A:ALA:HB2	14	0.22
(1,904)	1:451:A:VAL:HG13	1:462:A:ALA:HB3	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,901)	1:462:A:ALA:HB1	1:465:A:ALA:H	20	0.22
(1,901)	1:462:A:ALA:HB2	1:465:A:ALA:H	20	0.22
(1,901)	1:462:A:ALA:HB3	1:465:A:ALA:H	20	0.22
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB1	1	0.22
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB2	1	0.22
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB3	1	0.22
(1,889)	1:439:A:ASP:HB2	1:444:A:LEU:HB3	20	0.22
(1,884)	1:433:A:SER:HB2	1:452:A:SER:H	1	0.22
(1,884)	1:433:A:SER:HB2	1:452:A:SER:H	18	0.22
(1,877)	1:408:A:PHE:HB2	1:479:A:GLN:H	2	0.22
(1,877)	1:408:A:PHE:HB3	1:479:A:GLN:H	2	0.22
(1,877)	1:408:A:PHE:HB2	1:479:A:GLN:H	12	0.22
(1,877)	1:408:A:PHE:HB3	1:479:A:GLN:H	12	0.22
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG21	11	0.22
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG22	11	0.22
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG23	11	0.22
(1,861)	1:452:A:SER:HB2	1:453:A:TYR:H	7	0.22
(1,861)	1:452:A:SER:HB2	1:453:A:TYR:H	11	0.22
(1,861)	1:452:A:SER:HB2	1:453:A:TYR:H	13	0.22
(1,861)	1:452:A:SER:HB2	1:453:A:TYR:H	18	0.22
(1,860)	1:409:A:ILE:HG21	1:450:A:PHE:H	3	0.22
(1,860)	1:409:A:ILE:HG22	1:450:A:PHE:H	3	0.22
(1,860)	1:409:A:ILE:HG23	1:450:A:PHE:H	3	0.22
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	16	0.22
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	16	0.22
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	16	0.22
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	10	0.22
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	10	0.22
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	10	0.22
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	10	0.22
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	10	0.22
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	10	0.22
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	11	0.22
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	11	0.22
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	11	0.22
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	11	0.22
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	11	0.22
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	11	0.22
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	18	0.22
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	18	0.22
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	18	0.22
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	18	0.22
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	18	0.22
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG11	9	0.22
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG12	9	0.22
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG13	9	0.22
(1,836)	1:444:A:LEU:HB3	1:445:A:SER:H	4	0.22
(1,833)	1:449:A:GLY:HA3	1:450:A:PHE:HB2	15	0.22
(1,831)	1:450:A:PHE:HB3	1:451:A:VAL:HB	7	0.22
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	11	0.22
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	11	0.22
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	11	0.22
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB1	9	0.22
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB2	9	0.22
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB3	9	0.22
(1,799)	1:465:A:ALA:HB1	1:467:A:ASN:H	9	0.22
(1,799)	1:465:A:ALA:HB2	1:467:A:ASN:H	9	0.22
(1,799)	1:465:A:ALA:HB3	1:467:A:ASN:H	9	0.22
(1,799)	1:465:A:ALA:HB1	1:467:A:ASN:H	16	0.22
(1,799)	1:465:A:ALA:HB2	1:467:A:ASN:H	16	0.22
(1,799)	1:465:A:ALA:HB3	1:467:A:ASN:H	16	0.22
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	18	0.22
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	18	0.22
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	18	0.22
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	18	0.22
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	18	0.22
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	18	0.22
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	18	0.22
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	18	0.22
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	18	0.22
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	20	0.22
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	20	0.22
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	20	0.22
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	20	0.22
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	20	0.22
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	20	0.22
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	20	0.22
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	20	0.22
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	20	0.22
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG11	19	0.22
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG12	19	0.22
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG13	19	0.22
(1,791)	1:466:A:MET:H	1:478:A:VAL:HG11	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,791)	1:466:A:MET:H	1:478:A:VAL:HG12	20	0.22
(1,791)	1:466:A:MET:H	1:478:A:VAL:HG13	20	0.22
(1,779)	1:425:A:PHE:HD1	1:451:A:VAL:HG21	19	0.22
(1,779)	1:425:A:PHE:HD1	1:451:A:VAL:HG22	19	0.22
(1,779)	1:425:A:PHE:HD1	1:451:A:VAL:HG23	19	0.22
(1,779)	1:425:A:PHE:HD2	1:451:A:VAL:HG21	19	0.22
(1,779)	1:425:A:PHE:HD2	1:451:A:VAL:HG22	19	0.22
(1,779)	1:425:A:PHE:HD2	1:451:A:VAL:HG23	19	0.22
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	19	0.22
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	19	0.22
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	19	0.22
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	19	0.22
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	19	0.22
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	19	0.22
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG11	7	0.22
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG12	7	0.22
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG13	7	0.22
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG21	7	0.22
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG22	7	0.22
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG23	7	0.22
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG11	16	0.22
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG12	16	0.22
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG13	16	0.22
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG21	16	0.22
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG22	16	0.22
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG23	16	0.22
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE1	15	0.22
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE2	15	0.22
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE3	15	0.22
(1,729)	1:407:A:LEU:HB2	1:408:A:PHE:H	5	0.22
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD11	18	0.22
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD12	18	0.22
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD13	18	0.22
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD21	18	0.22
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD22	18	0.22
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD23	18	0.22
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD11	2	0.22
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD12	2	0.22
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD13	2	0.22
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD21	2	0.22
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD22	2	0.22
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD23	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD11	2	0.22
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD12	2	0.22
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD13	2	0.22
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD21	2	0.22
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD22	2	0.22
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD23	2	0.22
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	2	0.22
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	2	0.22
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	2	0.22
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	2	0.22
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	2	0.22
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	2	0.22
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	2	0.22
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	2	0.22
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	2	0.22
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD2	19	0.22
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD3	19	0.22
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD2	19	0.22
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD3	19	0.22
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD2	19	0.22
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD3	19	0.22
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD11	19	0.22
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD12	19	0.22
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD13	19	0.22
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD21	19	0.22
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD22	19	0.22
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD23	19	0.22
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG2	5	0.22
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG3	5	0.22
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG2	5	0.22
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG3	5	0.22
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG2	5	0.22
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG3	5	0.22
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG2	5	0.22
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG3	5	0.22
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG2	5	0.22
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG3	5	0.22
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG2	5	0.22
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG3	5	0.22
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG2	15	0.22
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG3	15	0.22
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG2	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG3	15	0.22
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG2	15	0.22
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG3	15	0.22
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG2	15	0.22
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG3	15	0.22
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG2	15	0.22
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG3	15	0.22
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG2	15	0.22
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG3	15	0.22
(1,670)	1:480:A:LEU:H	1:480:A:LEU:HG	1	0.22
(1,670)	1:480:A:LEU:H	1:480:A:LEU:HG	14	0.22
(1,668)	1:473:A:MET:HG2	1:474:A:LYS:HG3	14	0.22
(1,664)	1:471:A:ILE:HG21	1:474:A:LYS:HG3	11	0.22
(1,664)	1:471:A:ILE:HG22	1:474:A:LYS:HG3	11	0.22
(1,664)	1:471:A:ILE:HG23	1:474:A:LYS:HG3	11	0.22
(1,660)	1:406:A:ASN:H	1:480:A:LEU:HG	2	0.22
(1,660)	1:406:A:ASN:H	1:480:A:LEU:HG	7	0.22
(1,658)	1:480:A:LEU:H	1:480:A:LEU:HG	1	0.22
(1,658)	1:480:A:LEU:H	1:480:A:LEU:HG	14	0.22
(1,647)	1:407:A:LEU:HD11	1:408:A:PHE:H	5	0.22
(1,647)	1:407:A:LEU:HD12	1:408:A:PHE:H	5	0.22
(1,647)	1:407:A:LEU:HD13	1:408:A:PHE:H	5	0.22
(1,647)	1:407:A:LEU:HD21	1:408:A:PHE:H	5	0.22
(1,647)	1:407:A:LEU:HD22	1:408:A:PHE:H	5	0.22
(1,647)	1:407:A:LEU:HD23	1:408:A:PHE:H	5	0.22
(1,642)	1:439:A:ASP:HB3	1:444:A:LEU:HG	16	0.22
(1,641)	1:466:A:MET:HB2	1:476:A:LEU:HG	13	0.22
(1,641)	1:466:A:MET:HB3	1:476:A:LEU:HG	13	0.22
(1,635)	1:469:A:PHE:HD1	1:476:A:LEU:HG	16	0.22
(1,635)	1:469:A:PHE:HD2	1:476:A:LEU:HG	16	0.22
(1,635)	1:469:A:PHE:HD1	1:476:A:LEU:HG	18	0.22
(1,635)	1:469:A:PHE:HD2	1:476:A:LEU:HG	18	0.22
(1,634)	1:469:A:PHE:HE1	1:476:A:LEU:HG	4	0.22
(1,634)	1:469:A:PHE:HE2	1:476:A:LEU:HG	4	0.22
(1,632)	1:476:A:LEU:H	1:476:A:LEU:HG	9	0.22
(1,629)	1:402:A:PRO:HD3	1:403:A:GLU:HB2	3	0.22
(1,626)	1:401:A:GLY:H	1:402:A:PRO:HD3	12	0.22
(1,624)	1:402:A:PRO:HD2	1:403:A:GLU:HB2	11	0.22
(1,623)	1:411:A:HIS:HB2	1:475:A:ARG:HG2	19	0.22
(1,623)	1:411:A:HIS:HB2	1:475:A:ARG:HG3	19	0.22
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG11	15	0.22
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG12	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG13	15	0.22
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG21	6	0.22
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG22	6	0.22
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG23	6	0.22
(1,614)	1:407:A:LEU:H	1:407:A:LEU:HG	11	0.22
(1,612)	1:407:A:LEU:HG	1:451:A:VAL:H	16	0.22
(1,608)	1:410:A:TYR:HA	1:411:A:HIS:HB2	3	0.22
(1,608)	1:410:A:TYR:HA	1:411:A:HIS:HB2	8	0.22
(1,608)	1:410:A:TYR:HA	1:411:A:HIS:HB2	9	0.22
(1,608)	1:410:A:TYR:HA	1:411:A:HIS:HB2	19	0.22
(1,598)	1:429:A:GLY:H	1:430:A:ASN:H	3	0.22
(1,596)	1:441:A:GLN:HG3	1:442:A:THR:H	3	0.22
(1,592)	1:409:A:ILE:HG21	1:449:A:GLY:H	8	0.22
(1,592)	1:409:A:ILE:HG22	1:449:A:GLY:H	8	0.22
(1,592)	1:409:A:ILE:HG23	1:449:A:GLY:H	8	0.22
(1,590)	1:410:A:TYR:HA	1:449:A:GLY:H	3	0.22
(1,580)	1:401:A:GLY:H	1:406:A:ASN:HD21	20	0.22
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE1	15	0.22
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE2	15	0.22
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE3	15	0.22
(1,553)	1:422:A:LEU:HA	1:425:A:PHE:H	10	0.22
(1,539)	1:453:A:TYR:HB2	1:454:A:ASP:H	14	0.22
(1,537)	1:430:A:ASN:HA	1:454:A:ASP:H	7	0.22
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG21	1	0.22
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG22	1	0.22
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG23	1	0.22
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG21	9	0.22
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG22	9	0.22
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG23	9	0.22
(1,523)	1:431:A:VAL:HG21	1:433:A:SER:H	7	0.22
(1,523)	1:431:A:VAL:HG22	1:433:A:SER:H	7	0.22
(1,523)	1:431:A:VAL:HG23	1:433:A:SER:H	7	0.22
(1,523)	1:431:A:VAL:HG21	1:433:A:SER:H	8	0.22
(1,523)	1:431:A:VAL:HG22	1:433:A:SER:H	8	0.22
(1,523)	1:431:A:VAL:HG23	1:433:A:SER:H	8	0.22
(1,523)	1:431:A:VAL:HG21	1:433:A:SER:H	11	0.22
(1,523)	1:431:A:VAL:HG22	1:433:A:SER:H	11	0.22
(1,523)	1:431:A:VAL:HG23	1:433:A:SER:H	11	0.22
(1,520)	1:433:A:SER:H	1:453:A:TYR:HA	8	0.22
(1,517)	1:430:A:ASN:HD22	1:431:A:VAL:H	7	0.22
(1,516)	1:402:A:PRO:HG2	1:455:A:ASN:H	4	0.22
(1,511)	1:455:A:ASN:H	1:458:A:SER:HB3	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:453:A:TYR:HB2	1:455:A:ASN:H	1	0.22
(1,510)	1:453:A:TYR:HB2	1:455:A:ASN:H	5	0.22
(1,506)	1:453:A:TYR:H	1:455:A:ASN:H	4	0.22
(1,505)	1:409:A:ILE:HG21	1:412:A:LEU:H	11	0.22
(1,505)	1:409:A:ILE:HG22	1:412:A:LEU:H	11	0.22
(1,505)	1:409:A:ILE:HG23	1:412:A:LEU:H	11	0.22
(1,497)	1:454:A:ASP:HB3	1:455:A:ASN:HD22	10	0.22
(1,497)	1:454:A:ASP:HB3	1:455:A:ASN:HD22	12	0.22
(1,497)	1:454:A:ASP:HB3	1:455:A:ASN:HD22	17	0.22
(1,492)	1:415:A:GLU:H	1:416:A:PHE:HB2	2	0.22
(1,492)	1:415:A:GLU:H	1:416:A:PHE:HB2	6	0.22
(1,492)	1:415:A:GLU:H	1:416:A:PHE:HB2	11	0.22
(1,492)	1:415:A:GLU:H	1:416:A:PHE:HB2	17	0.22
(1,477)	1:444:A:LEU:HB3	1:445:A:SER:H	4	0.22
(1,473)	1:444:A:LEU:H	1:445:A:SER:H	7	0.22
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD1	7	0.22
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD2	7	0.22
(1,460)	1:457:A:VAL:H	1:460:A:GLN:H	16	0.22
(1,456)	1:457:A:VAL:HA	1:460:A:GLN:H	15	0.22
(1,456)	1:457:A:VAL:HA	1:460:A:GLN:H	19	0.22
(1,454)	1:458:A:SER:HA	1:460:A:GLN:H	17	0.22
(1,438)	1:420:A:ASP:HB3	1:421:A:ILE:H	17	0.22
(1,434)	1:416:A:PHE:HB3	1:421:A:ILE:H	15	0.22
(1,434)	1:416:A:PHE:HB3	1:421:A:ILE:H	16	0.22
(1,425)	1:438:A:ILE:HB	1:443:A:ASN:H	10	0.22
(1,422)	1:464:A:GLN:HG2	1:465:A:ALA:H	14	0.22
(1,422)	1:464:A:GLN:HG3	1:465:A:ALA:H	14	0.22
(1,381)	1:439:A:ASP:HB2	1:444:A:LEU:H	5	0.22
(1,379)	1:442:A:THR:HB	1:444:A:LEU:H	4	0.22
(1,376)	1:444:A:LEU:H	1:445:A:SER:H	7	0.22
(1,356)	1:461:A:ALA:H	1:463:A:ILE:H	10	0.22
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD11	1	0.22
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD12	1	0.22
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD13	1	0.22
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD11	5	0.22
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD12	5	0.22
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD13	5	0.22
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD11	16	0.22
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD12	16	0.22
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD13	16	0.22
(1,352)	1:407:A:LEU:HD11	1:408:A:PHE:H	5	0.22
(1,352)	1:407:A:LEU:HD12	1:408:A:PHE:H	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,352)	1:407:A:LEU:HD13	1:408:A:PHE:H	5	0.22
(1,352)	1:407:A:LEU:HD21	1:408:A:PHE:H	5	0.22
(1,352)	1:407:A:LEU:HD22	1:408:A:PHE:H	5	0.22
(1,352)	1:407:A:LEU:HD23	1:408:A:PHE:H	5	0.22
(1,350)	1:407:A:LEU:HB2	1:408:A:PHE:H	5	0.22
(1,343)	1:465:A:ALA:HB1	1:467:A:ASN:H	9	0.22
(1,343)	1:465:A:ALA:HB2	1:467:A:ASN:H	9	0.22
(1,343)	1:465:A:ALA:HB3	1:467:A:ASN:H	9	0.22
(1,343)	1:465:A:ALA:HB1	1:467:A:ASN:H	16	0.22
(1,343)	1:465:A:ALA:HB2	1:467:A:ASN:H	16	0.22
(1,343)	1:465:A:ALA:HB3	1:467:A:ASN:H	16	0.22
(1,335)	1:466:A:MET:HG2	1:467:A:ASN:H	12	0.22
(1,335)	1:466:A:MET:HG3	1:467:A:ASN:H	12	0.22
(1,323)	1:431:A:VAL:HG21	1:452:A:SER:H	9	0.22
(1,323)	1:431:A:VAL:HG22	1:452:A:SER:H	9	0.22
(1,323)	1:431:A:VAL:HG23	1:452:A:SER:H	9	0.22
(1,317)	1:473:A:MET:HB3	1:474:A:LYS:H	7	0.22
(1,317)	1:473:A:MET:HB3	1:474:A:LYS:H	8	0.22
(1,317)	1:473:A:MET:HB3	1:474:A:LYS:H	9	0.22
(1,317)	1:473:A:MET:HB3	1:474:A:LYS:H	12	0.22
(1,299)	1:403:A:GLU:HA	1:405:A:ALA:H	19	0.22
(1,297)	1:405:A:ALA:H	1:406:A:ASN:HB3	18	0.22
(1,287)	1:436:A:VAL:HA	1:450:A:PHE:H	1	0.22
(1,282)	1:407:A:LEU:HD11	1:459:A:ALA:H	1	0.22
(1,282)	1:407:A:LEU:HD12	1:459:A:ALA:H	1	0.22
(1,282)	1:407:A:LEU:HD13	1:459:A:ALA:H	1	0.22
(1,282)	1:407:A:LEU:HD21	1:459:A:ALA:H	1	0.22
(1,282)	1:407:A:LEU:HD22	1:459:A:ALA:H	1	0.22
(1,282)	1:407:A:LEU:HD23	1:459:A:ALA:H	1	0.22
(1,282)	1:407:A:LEU:HD11	1:459:A:ALA:H	18	0.22
(1,282)	1:407:A:LEU:HD12	1:459:A:ALA:H	18	0.22
(1,282)	1:407:A:LEU:HD13	1:459:A:ALA:H	18	0.22
(1,282)	1:407:A:LEU:HD21	1:459:A:ALA:H	18	0.22
(1,282)	1:407:A:LEU:HD22	1:459:A:ALA:H	18	0.22
(1,282)	1:407:A:LEU:HD23	1:459:A:ALA:H	18	0.22
(1,279)	1:458:A:SER:HB3	1:459:A:ALA:H	15	0.22
(1,270)	1:456:A:PRO:HD3	1:457:A:VAL:H	8	0.22
(1,263)	1:408:A:PHE:HD1	1:409:A:ILE:H	15	0.22
(1,263)	1:408:A:PHE:HD2	1:409:A:ILE:H	15	0.22
(1,251)	1:452:A:SER:HB2	1:453:A:TYR:H	7	0.22
(1,251)	1:452:A:SER:HB2	1:453:A:TYR:H	11	0.22
(1,251)	1:452:A:SER:HB2	1:453:A:TYR:H	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,251)	1:452:A:SER:HB2	1:453:A:TYR:H	18	0.22
(1,243)	1:400:A:GLU:H	1:401:A:GLY:H	8	0.22
(1,243)	1:400:A:GLU:H	1:401:A:GLY:H	15	0.22
(1,227)	1:418:A:ASP:H	1:436:A:VAL:HB	5	0.22
(1,220)	1:407:A:LEU:HD11	1:462:A:ALA:H	2	0.22
(1,220)	1:407:A:LEU:HD12	1:462:A:ALA:H	2	0.22
(1,220)	1:407:A:LEU:HD13	1:462:A:ALA:H	2	0.22
(1,220)	1:407:A:LEU:HD21	1:462:A:ALA:H	2	0.22
(1,220)	1:407:A:LEU:HD22	1:462:A:ALA:H	2	0.22
(1,220)	1:407:A:LEU:HD23	1:462:A:ALA:H	2	0.22
(1,220)	1:407:A:LEU:HD11	1:462:A:ALA:H	6	0.22
(1,220)	1:407:A:LEU:HD12	1:462:A:ALA:H	6	0.22
(1,220)	1:407:A:LEU:HD13	1:462:A:ALA:H	6	0.22
(1,220)	1:407:A:LEU:HD21	1:462:A:ALA:H	6	0.22
(1,220)	1:407:A:LEU:HD22	1:462:A:ALA:H	6	0.22
(1,220)	1:407:A:LEU:HD23	1:462:A:ALA:H	6	0.22
(1,217)	1:462:A:ALA:H	1:463:A:ILE:HB	13	0.22
(1,214)	1:459:A:ALA:HA	1:462:A:ALA:H	11	0.22
(1,197)	1:435:A:LYS:HG3	1:436:A:VAL:H	10	0.22
(1,185)	1:461:A:ALA:H	1:463:A:ILE:H	10	0.22
(1,168)	1:463:A:ILE:HD11	1:480:A:LEU:H	19	0.22
(1,168)	1:463:A:ILE:HD12	1:480:A:LEU:H	19	0.22
(1,168)	1:463:A:ILE:HD13	1:480:A:LEU:H	19	0.22
(1,167)	1:480:A:LEU:H	1:480:A:LEU:HG	1	0.22
(1,167)	1:480:A:LEU:H	1:480:A:LEU:HG	14	0.22
(1,150)	1:407:A:LEU:H	1:409:A:ILE:H	14	0.22
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE1	2	0.22
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE2	2	0.22
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE1	20	0.22
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE2	20	0.22
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG11	11	0.22
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG12	11	0.22
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG13	11	0.22
(1,107)	1:410:A:TYR:H	1:477:A:LYS:H	5	0.22
(1,92)	1:477:A:LYS:H	1:478:A:VAL:H	2	0.22
(1,92)	1:477:A:LYS:H	1:478:A:VAL:H	14	0.22
(1,92)	1:477:A:LYS:H	1:478:A:VAL:H	18	0.22
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG21	18	0.22
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG22	18	0.22
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG23	18	0.22
(1,35)	1:467:A:ASN:HB2	1:478:A:VAL:H	19	0.22
(1,33)	1:477:A:LYS:H	1:478:A:VAL:H	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:477:A:LYS:H	1:478:A:VAL:H	14	0.22
(1,33)	1:477:A:LYS:H	1:478:A:VAL:H	18	0.22
(1,28)	1:439:A:ASP:HB2	1:440:A:LYS:H	4	0.22
(1,28)	1:439:A:ASP:HB2	1:440:A:LYS:H	6	0.22
(1,22)	1:423:A:GLN:HA	1:426:A:MET:H	16	0.22
(1,9)	1:431:A:VAL:H	1:432:A:ILE:H	7	0.22
(1,9)	1:431:A:VAL:H	1:432:A:ILE:H	9	0.22
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD11	17	0.22
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD12	17	0.22
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD13	17	0.22
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	10	0.21
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	10	0.21
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	10	0.21
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	10	0.21
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	10	0.21
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	10	0.21
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE1	14	0.21
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE2	14	0.21
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE1	13	0.21
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE2	13	0.21
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE1	14	0.21
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE2	14	0.21
(1,1589)	1:411:A:HIS:HA	1:411:A:HIS:HD2	3	0.21
(1,1589)	1:411:A:HIS:HA	1:411:A:HIS:HD2	13	0.21
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD1	12	0.21
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD2	12	0.21
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD1	20	0.21
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD2	20	0.21
(1,1573)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	5	0.21
(1,1573)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	5	0.21
(1,1573)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	5	0.21
(1,1573)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	5	0.21
(1,1573)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	5	0.21
(1,1573)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	5	0.21
(1,1566)	1:428:A:PHE:HE1	1:466:A:MET:HB2	3	0.21
(1,1566)	1:428:A:PHE:HE1	1:466:A:MET:HB3	3	0.21
(1,1566)	1:428:A:PHE:HE2	1:466:A:MET:HB2	3	0.21
(1,1566)	1:428:A:PHE:HE2	1:466:A:MET:HB3	3	0.21
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	2	0.21
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	2	0.21
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	2	0.21
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	2	0.21
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	2	0.21
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	8	0.21
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	8	0.21
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	8	0.21
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	8	0.21
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE1	8	0.21
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE2	8	0.21
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	8	0.21
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	8	0.21
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG21	15	0.21
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG22	15	0.21
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG23	15	0.21
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG21	13	0.21
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG22	13	0.21
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG23	13	0.21
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB2	10	0.21
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB3	10	0.21
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB2	19	0.21
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB3	19	0.21
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG21	18	0.21
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG22	18	0.21
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG23	18	0.21
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD11	7	0.21
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD12	7	0.21
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD13	7	0.21
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD11	20	0.21
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD12	20	0.21
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD13	20	0.21
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	5	0.21
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	5	0.21
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	5	0.21
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	13	0.21
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	13	0.21
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	13	0.21
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG21	13	0.21
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG22	13	0.21
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG23	13	0.21
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG11	2	0.21
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG12	2	0.21
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG13	2	0.21
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG11	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG12	15	0.21
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG13	15	0.21
(1,1415)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	13	0.21
(1,1415)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	13	0.21
(1,1415)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	13	0.21
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD11	6	0.21
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD12	6	0.21
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD13	6	0.21
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD11	6	0.21
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD12	6	0.21
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD13	6	0.21
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD11	6	0.21
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD12	6	0.21
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD13	6	0.21
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD11	6	0.21
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD12	6	0.21
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD13	6	0.21
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD11	6	0.21
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD12	6	0.21
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD13	6	0.21
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD11	6	0.21
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD12	6	0.21
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD13	6	0.21
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	10	0.21
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	10	0.21
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	10	0.21
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	10	0.21
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	10	0.21
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	10	0.21
(1,1395)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	13	0.21
(1,1395)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	13	0.21
(1,1395)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	13	0.21
(1,1393)	1:432:A:ILE:HG21	1:433:A:SER:HB2	6	0.21
(1,1393)	1:432:A:ILE:HG22	1:433:A:SER:HB2	6	0.21
(1,1393)	1:432:A:ILE:HG23	1:433:A:SER:HB2	6	0.21
(1,1393)	1:432:A:ILE:HG21	1:433:A:SER:HB2	10	0.21
(1,1393)	1:432:A:ILE:HG22	1:433:A:SER:HB2	10	0.21
(1,1393)	1:432:A:ILE:HG23	1:433:A:SER:HB2	10	0.21
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB1	15	0.21
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB2	15	0.21
(1,1382)	1:405:A:ALA:HA	1:459:A:ALA:HB3	15	0.21
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB1	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB2	9	0.21
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB3	9	0.21
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB1	9	0.21
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB2	9	0.21
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB3	9	0.21
(1,1376)	1:411:A:HIS:HB2	1:474:A:LYS:HE2	12	0.21
(1,1376)	1:411:A:HIS:HB2	1:474:A:LYS:HE3	12	0.21
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB1	7	0.21
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB2	7	0.21
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB3	7	0.21
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD11	14	0.21
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD12	14	0.21
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD13	14	0.21
(1,1356)	1:482:A:ARG:HD2	1:483:A:SER:HA	12	0.21
(1,1356)	1:482:A:ARG:HD3	1:483:A:SER:HA	12	0.21
(1,1350)	1:474:A:LYS:HD2	1:475:A:ARG:HD3	9	0.21
(1,1350)	1:474:A:LYS:HD3	1:475:A:ARG:HD3	9	0.21
(1,1349)	1:474:A:LYS:HD2	1:475:A:ARG:HD2	10	0.21
(1,1349)	1:474:A:LYS:HD3	1:475:A:ARG:HD2	10	0.21
(1,1344)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	8	0.21
(1,1344)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	8	0.21
(1,1344)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	8	0.21
(1,1344)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	17	0.21
(1,1344)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	17	0.21
(1,1344)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	17	0.21
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	6	0.21
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	6	0.21
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	6	0.21
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	6	0.21
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	6	0.21
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	6	0.21
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	6	0.21
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	6	0.21
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	6	0.21
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	2	0.21
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	2	0.21
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	2	0.21
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	2	0.21
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	2	0.21
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	2	0.21
(1,1322)	1:436:A:VAL:HG11	1:448:A:PHE:HA	10	0.21
(1,1322)	1:436:A:VAL:HG12	1:448:A:PHE:HA	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1322)	1:436:A:VAL:HG13	1:448:A:PHE:HA	10	0.21
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB1	5	0.21
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB2	5	0.21
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB3	5	0.21
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG11	7	0.21
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG12	7	0.21
(1,1317)	1:467:A:ASN:HA	1:478:A:VAL:HG13	7	0.21
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	10	0.21
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	10	0.21
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	10	0.21
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	10	0.21
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	10	0.21
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	10	0.21
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG21	13	0.21
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG22	13	0.21
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG23	13	0.21
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG21	4	0.21
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG22	4	0.21
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG23	4	0.21
(1,1286)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	2	0.21
(1,1286)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	2	0.21
(1,1286)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	2	0.21
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD11	8	0.21
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD12	8	0.21
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD13	8	0.21
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD21	8	0.21
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD22	8	0.21
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD23	8	0.21
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD11	8	0.21
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD12	8	0.21
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD13	8	0.21
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD21	8	0.21
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD22	8	0.21
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD23	8	0.21
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD11	8	0.21
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD12	8	0.21
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD13	8	0.21
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD21	8	0.21
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD22	8	0.21
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD23	8	0.21
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG21	15	0.21
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG22	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG23	15	0.21
(1,1271)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	5	0.21
(1,1271)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	5	0.21
(1,1271)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	5	0.21
(1,1271)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	5	0.21
(1,1271)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	5	0.21
(1,1271)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	5	0.21
(1,1255)	1:463:A:ILE:HD11	1:480:A:LEU:HG	3	0.21
(1,1255)	1:463:A:ILE:HD12	1:480:A:LEU:HG	3	0.21
(1,1255)	1:463:A:ILE:HD13	1:480:A:LEU:HG	3	0.21
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD1	4	0.21
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD2	4	0.21
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD1	18	0.21
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD2	18	0.21
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD1	19	0.21
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD2	19	0.21
(1,1196)	1:403:A:GLU:HB2	1:404:A:GLY:H	15	0.21
(1,1190)	1:481:A:LYS:HD3	1:482:A:ARG:HB3	20	0.21
(1,1176)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	17	0.21
(1,1176)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	17	0.21
(1,1176)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	17	0.21
(1,1176)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	17	0.21
(1,1176)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	19	0.21
(1,1176)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	19	0.21
(1,1176)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	19	0.21
(1,1176)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	19	0.21
(1,1160)	1:459:A:ALA:HA	1:462:A:ALA:H	12	0.21
(1,1157)	1:461:A:ALA:HA	1:464:A:GLN:H	6	0.21
(1,1154)	1:461:A:ALA:HA	1:462:A:ALA:HA	20	0.21
(1,1150)	1:466:A:MET:HG2	1:467:A:ASN:H	6	0.21
(1,1150)	1:466:A:MET:HG3	1:467:A:ASN:H	6	0.21
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG2	18	0.21
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG3	18	0.21
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG2	5	0.21
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG3	5	0.21
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG2	5	0.21
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG3	5	0.21
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG2	5	0.21
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG3	5	0.21
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG2	10	0.21
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG3	10	0.21
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG2	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG3	10	0.21
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG2	10	0.21
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG3	10	0.21
(1,1133)	1:407:A:LEU:H	1:452:A:SER:HA	15	0.21
(1,1122)	1:408:A:PHE:HA	1:449:A:GLY:H	8	0.21
(1,1119)	1:464:A:GLN:HG2	1:465:A:ALA:H	2	0.21
(1,1119)	1:464:A:GLN:HG3	1:465:A:ALA:H	2	0.21
(1,1119)	1:464:A:GLN:HG2	1:465:A:ALA:H	4	0.21
(1,1119)	1:464:A:GLN:HG3	1:465:A:ALA:H	4	0.21
(1,1116)	1:432:A:ILE:H	1:453:A:TYR:HA	3	0.21
(1,1098)	1:440:A:LYS:HA	1:442:A:THR:H	18	0.21
(1,1089)	1:419:A:GLN:HA	1:422:A:LEU:HB3	13	0.21
(1,1089)	1:419:A:GLN:HA	1:422:A:LEU:HB3	19	0.21
(1,1088)	1:419:A:GLN:HA	1:422:A:LEU:H	17	0.21
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD11	12	0.21
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD12	12	0.21
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD13	12	0.21
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD11	18	0.21
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD12	18	0.21
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD13	18	0.21
(1,1066)	1:414:A:GLN:HA	1:415:A:GLU:HA	12	0.21
(1,1052)	1:400:A:GLU:HG3	1:401:A:GLY:H	14	0.21
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	6	0.21
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	6	0.21
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	6	0.21
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	6	0.21
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	6	0.21
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	6	0.21
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	6	0.21
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	6	0.21
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	6	0.21
(1,1010)	1:425:A:PHE:HB2	1:453:A:TYR:HE1	6	0.21
(1,1010)	1:425:A:PHE:HB2	1:453:A:TYR:HE2	6	0.21
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD11	2	0.21
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD12	2	0.21
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD13	2	0.21
(1,980)	1:471:A:ILE:HB	1:472:A:GLY:H	1	0.21
(1,980)	1:471:A:ILE:HB	1:472:A:GLY:H	4	0.21
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG21	2	0.21
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG22	2	0.21
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG23	2	0.21
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG21	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG22	2	0.21
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG23	2	0.21
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG21	4	0.21
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG22	4	0.21
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG23	4	0.21
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG2	5	0.21
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG3	5	0.21
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG2	5	0.21
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG3	5	0.21
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG2	5	0.21
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG3	5	0.21
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG2	10	0.21
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG3	10	0.21
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG2	10	0.21
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG3	10	0.21
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG2	10	0.21
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG3	10	0.21
(1,922)	1:455:A:ASN:HB3	1:458:A:SER:H	13	0.21
(1,901)	1:462:A:ALA:HB1	1:465:A:ALA:H	12	0.21
(1,901)	1:462:A:ALA:HB2	1:465:A:ALA:H	12	0.21
(1,901)	1:462:A:ALA:HB3	1:465:A:ALA:H	12	0.21
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB1	4	0.21
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB2	4	0.21
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB3	4	0.21
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB1	9	0.21
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB2	9	0.21
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB3	9	0.21
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB1	7	0.21
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB2	7	0.21
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB3	7	0.21
(1,889)	1:439:A:ASP:HB2	1:444:A:LEU:HB3	2	0.21
(1,888)	1:448:A:PHE:HB2	1:449:A:GLY:HA2	20	0.21
(1,888)	1:448:A:PHE:HB3	1:449:A:GLY:HA2	20	0.21
(1,884)	1:433:A:SER:HB2	1:452:A:SER:H	10	0.21
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG21	15	0.21
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG22	15	0.21
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG23	15	0.21
(1,861)	1:452:A:SER:HB2	1:453:A:TYR:H	16	0.21
(1,850)	1:405:A:ALA:HB1	1:406:A:ASN:HD22	19	0.21
(1,850)	1:405:A:ALA:HB2	1:406:A:ASN:HD22	19	0.21
(1,850)	1:405:A:ALA:HB3	1:406:A:ASN:HD22	19	0.21
(1,849)	1:405:A:ALA:HB1	1:454:A:ASP:H	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:405:A:ALA:HB2	1:454:A:ASP:H	17	0.21
(1,849)	1:405:A:ALA:HB3	1:454:A:ASP:H	17	0.21
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG11	10	0.21
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG12	10	0.21
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG13	10	0.21
(1,836)	1:444:A:LEU:HB3	1:445:A:SER:H	13	0.21
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB1	5	0.21
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB2	5	0.21
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB3	5	0.21
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB1	4	0.21
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB2	4	0.21
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB3	4	0.21
(1,810)	1:434:A:ALA:HB1	1:452:A:SER:H	1	0.21
(1,810)	1:434:A:ALA:HB2	1:452:A:SER:H	1	0.21
(1,810)	1:434:A:ALA:HB3	1:452:A:SER:H	1	0.21
(1,810)	1:434:A:ALA:HB1	1:452:A:SER:H	18	0.21
(1,810)	1:434:A:ALA:HB2	1:452:A:SER:H	18	0.21
(1,810)	1:434:A:ALA:HB3	1:452:A:SER:H	18	0.21
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB1	3	0.21
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB2	3	0.21
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB3	3	0.21
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB1	5	0.21
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB2	5	0.21
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB3	5	0.21
(1,799)	1:465:A:ALA:HB1	1:467:A:ASN:H	14	0.21
(1,799)	1:465:A:ALA:HB2	1:467:A:ASN:H	14	0.21
(1,799)	1:465:A:ALA:HB3	1:467:A:ASN:H	14	0.21
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	11	0.21
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	11	0.21
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	11	0.21
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	11	0.21
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	11	0.21
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	11	0.21
(1,791)	1:466:A:MET:H	1:478:A:VAL:HG11	12	0.21
(1,791)	1:466:A:MET:H	1:478:A:VAL:HG12	12	0.21
(1,791)	1:466:A:MET:H	1:478:A:VAL:HG13	12	0.21
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	17	0.21
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	17	0.21
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	17	0.21
(1,781)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	2	0.21
(1,781)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	2	0.21
(1,781)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:451:A:VAL:HG21	1:453:A:TYR:H	9	0.21
(1,777)	1:451:A:VAL:HG22	1:453:A:TYR:H	9	0.21
(1,777)	1:451:A:VAL:HG23	1:453:A:TYR:H	9	0.21
(1,777)	1:451:A:VAL:HG21	1:453:A:TYR:H	11	0.21
(1,777)	1:451:A:VAL:HG22	1:453:A:TYR:H	11	0.21
(1,777)	1:451:A:VAL:HG23	1:453:A:TYR:H	11	0.21
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	19	0.21
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	19	0.21
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	20	0.21
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	20	0.21
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	20	0.21
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	20	0.21
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	20	0.21
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	20	0.21
(1,770)	1:457:A:VAL:HG11	1:458:A:SER:HB3	11	0.21
(1,770)	1:457:A:VAL:HG12	1:458:A:SER:HB3	11	0.21
(1,770)	1:457:A:VAL:HG13	1:458:A:SER:HB3	11	0.21
(1,770)	1:457:A:VAL:HG21	1:458:A:SER:HB3	11	0.21
(1,770)	1:457:A:VAL:HG22	1:458:A:SER:HB3	11	0.21
(1,770)	1:457:A:VAL:HG23	1:458:A:SER:HB3	11	0.21
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG11	11	0.21
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG12	11	0.21
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG13	11	0.21
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG21	11	0.21
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG22	11	0.21
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG23	11	0.21
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG11	12	0.21
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG12	12	0.21
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG13	12	0.21
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG21	12	0.21
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG22	12	0.21
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG23	12	0.21
(1,752)	1:436:A:VAL:HG21	1:437:A:PHE:H	10	0.21
(1,752)	1:436:A:VAL:HG22	1:437:A:PHE:H	10	0.21
(1,752)	1:436:A:VAL:HG23	1:437:A:PHE:H	10	0.21
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	15	0.21
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	15	0.21
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	15	0.21
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	15	0.21
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	15	0.21
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	15	0.21
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	15	0.21
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	15	0.21
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	9	0.21
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	9	0.21
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	9	0.21
(1,729)	1:407:A:LEU:HB2	1:408:A:PHE:H	4	0.21
(1,729)	1:407:A:LEU:HB2	1:408:A:PHE:H	7	0.21
(1,729)	1:407:A:LEU:HB2	1:408:A:PHE:H	8	0.21
(1,729)	1:407:A:LEU:HB2	1:408:A:PHE:H	10	0.21
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD1	7	0.21
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD2	7	0.21
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD11	2	0.21
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD12	2	0.21
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD13	2	0.21
(1,725)	1:407:A:LEU:HB3	1:425:A:PHE:HD1	17	0.21
(1,725)	1:407:A:LEU:HB3	1:425:A:PHE:HD2	17	0.21
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD11	18	0.21
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD12	18	0.21
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD13	18	0.21
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD21	18	0.21
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD22	18	0.21
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD23	18	0.21
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD11	18	0.21
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD12	18	0.21
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD13	18	0.21
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD21	18	0.21
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD22	18	0.21
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD23	18	0.21
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD11	20	0.21
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD12	20	0.21
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD13	20	0.21
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD21	20	0.21
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD22	20	0.21
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD23	20	0.21
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD11	20	0.21
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD12	20	0.21
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD13	20	0.21
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD21	20	0.21
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD22	20	0.21
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD23	20	0.21
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	8	0.21
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	8	0.21
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	8	0.21
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	8	0.21
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	8	0.21
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	8	0.21
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	8	0.21
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	8	0.21
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG21	14	0.21
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG22	14	0.21
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG23	14	0.21
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	14	0.21
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	14	0.21
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	14	0.21
(1,690)	1:480:A:LEU:HD11	1:481:A:LYS:HA	19	0.21
(1,690)	1:480:A:LEU:HD12	1:481:A:LYS:HA	19	0.21
(1,690)	1:480:A:LEU:HD13	1:481:A:LYS:HA	19	0.21
(1,690)	1:480:A:LEU:HD21	1:481:A:LYS:HA	19	0.21
(1,690)	1:480:A:LEU:HD22	1:481:A:LYS:HA	19	0.21
(1,690)	1:480:A:LEU:HD23	1:481:A:LYS:HA	19	0.21
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD11	9	0.21
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD12	9	0.21
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD13	9	0.21
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD21	9	0.21
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD22	9	0.21
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD23	9	0.21
(1,684)	1:399:A:LYS:HG2	1:400:A:GLU:H	16	0.21
(1,684)	1:399:A:LYS:HG3	1:400:A:GLU:H	16	0.21
(1,670)	1:480:A:LEU:H	1:480:A:LEU:HG	4	0.21
(1,670)	1:480:A:LEU:H	1:480:A:LEU:HG	18	0.21
(1,668)	1:473:A:MET:HG2	1:474:A:LYS:HG3	11	0.21
(1,668)	1:473:A:MET:HG2	1:474:A:LYS:HG3	12	0.21
(1,667)	1:473:A:MET:HG2	1:474:A:LYS:HG2	10	0.21
(1,662)	1:480:A:LEU:HG	1:481:A:LYS:HB3	2	0.21
(1,660)	1:406:A:ASN:H	1:480:A:LEU:HG	4	0.21
(1,658)	1:480:A:LEU:H	1:480:A:LEU:HG	4	0.21
(1,658)	1:480:A:LEU:H	1:480:A:LEU:HG	18	0.21
(1,653)	1:474:A:LYS:HG3	1:475:A:ARG:H	15	0.21
(1,619)	1:407:A:LEU:HG	1:453:A:TYR:H	11	0.21
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG21	16	0.21
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG22	16	0.21
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG23	16	0.21
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB1	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB2	7	0.21
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB3	7	0.21
(1,612)	1:407:A:LEU:HG	1:451:A:VAL:H	20	0.21
(1,608)	1:410:A:TYR:HA	1:411:A:HIS:HB2	7	0.21
(1,596)	1:441:A:GLN:HG3	1:442:A:THR:H	13	0.21
(1,594)	1:439:A:ASP:HB2	1:442:A:THR:H	13	0.21
(1,581)	1:401:A:GLY:H	1:452:A:SER:HB3	5	0.21
(1,581)	1:401:A:GLY:H	1:452:A:SER:HB3	6	0.21
(1,581)	1:401:A:GLY:H	1:452:A:SER:HB3	14	0.21
(1,539)	1:453:A:TYR:HB2	1:454:A:ASP:H	2	0.21
(1,533)	1:417:A:GLY:H	1:420:A:ASP:HB3	18	0.21
(1,530)	1:417:A:GLY:H	1:421:A:ILE:H	16	0.21
(1,523)	1:431:A:VAL:HG21	1:433:A:SER:H	13	0.21
(1,523)	1:431:A:VAL:HG22	1:433:A:SER:H	13	0.21
(1,523)	1:431:A:VAL:HG23	1:433:A:SER:H	13	0.21
(1,518)	1:430:A:ASN:HA	1:430:A:ASN:HD22	16	0.21
(1,517)	1:430:A:ASN:HD22	1:431:A:VAL:H	14	0.21
(1,510)	1:453:A:TYR:HB2	1:455:A:ASN:H	12	0.21
(1,506)	1:453:A:TYR:H	1:455:A:ASN:H	14	0.21
(1,497)	1:454:A:ASP:HB3	1:455:A:ASN:HD22	1	0.21
(1,490)	1:406:A:ASN:H	1:406:A:ASN:HD21	8	0.21
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB1	3	0.21
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB2	3	0.21
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB3	3	0.21
(1,484)	1:404:A:GLY:HA3	1:406:A:ASN:H	6	0.21
(1,484)	1:404:A:GLY:HA3	1:406:A:ASN:H	11	0.21
(1,477)	1:444:A:LEU:HB3	1:445:A:SER:H	13	0.21
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD1	5	0.21
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD2	5	0.21
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD1	13	0.21
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD2	13	0.21
(1,469)	1:424:A:MET:H	1:425:A:PHE:HB3	17	0.21
(1,460)	1:457:A:VAL:H	1:460:A:GLN:H	17	0.21
(1,456)	1:457:A:VAL:HA	1:460:A:GLN:H	4	0.21
(1,456)	1:457:A:VAL:HA	1:460:A:GLN:H	7	0.21
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG21	5	0.21
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG22	5	0.21
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG23	5	0.21
(1,443)	1:417:A:GLY:H	1:421:A:ILE:H	16	0.21
(1,434)	1:416:A:PHE:HB3	1:421:A:ILE:H	1	0.21
(1,422)	1:464:A:GLN:HG2	1:465:A:ALA:H	2	0.21
(1,422)	1:464:A:GLN:HG3	1:465:A:ALA:H	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:464:A:GLN:HG2	1:465:A:ALA:H	4	0.21
(1,422)	1:464:A:GLN:HG3	1:465:A:ALA:H	4	0.21
(1,417)	1:439:A:ASP:HB2	1:441:A:GLN:H	3	0.21
(1,408)	1:420:A:ASP:H	1:422:A:LEU:H	2	0.21
(1,404)	1:471:A:ILE:HB	1:472:A:GLY:H	1	0.21
(1,404)	1:471:A:ILE:HB	1:472:A:GLY:H	4	0.21
(1,400)	1:426:A:MET:HE1	1:430:A:ASN:H	3	0.21
(1,400)	1:426:A:MET:HE2	1:430:A:ASN:H	3	0.21
(1,400)	1:426:A:MET:HE3	1:430:A:ASN:H	3	0.21
(1,397)	1:430:A:ASN:H	1:458:A:SER:HB3	8	0.21
(1,390)	1:430:A:ASN:H	1:431:A:VAL:H	3	0.21
(1,367)	1:468:A:GLY:H	1:469:A:PHE:HB2	3	0.21
(1,367)	1:468:A:GLY:H	1:469:A:PHE:HB2	13	0.21
(1,367)	1:468:A:GLY:H	1:469:A:PHE:HB2	15	0.21
(1,363)	1:407:A:LEU:HD11	1:463:A:ILE:H	13	0.21
(1,363)	1:407:A:LEU:HD12	1:463:A:ILE:H	13	0.21
(1,363)	1:407:A:LEU:HD13	1:463:A:ILE:H	13	0.21
(1,363)	1:407:A:LEU:HD21	1:463:A:ILE:H	13	0.21
(1,363)	1:407:A:LEU:HD22	1:463:A:ILE:H	13	0.21
(1,363)	1:407:A:LEU:HD23	1:463:A:ILE:H	13	0.21
(1,363)	1:407:A:LEU:HD11	1:463:A:ILE:H	18	0.21
(1,363)	1:407:A:LEU:HD12	1:463:A:ILE:H	18	0.21
(1,363)	1:407:A:LEU:HD13	1:463:A:ILE:H	18	0.21
(1,363)	1:407:A:LEU:HD21	1:463:A:ILE:H	18	0.21
(1,363)	1:407:A:LEU:HD22	1:463:A:ILE:H	18	0.21
(1,363)	1:407:A:LEU:HD23	1:463:A:ILE:H	18	0.21
(1,356)	1:461:A:ALA:H	1:463:A:ILE:H	14	0.21
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG21	14	0.21
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG22	14	0.21
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG23	14	0.21
(1,350)	1:407:A:LEU:HB2	1:408:A:PHE:H	4	0.21
(1,350)	1:407:A:LEU:HB2	1:408:A:PHE:H	7	0.21
(1,350)	1:407:A:LEU:HB2	1:408:A:PHE:H	8	0.21
(1,350)	1:407:A:LEU:HB2	1:408:A:PHE:H	10	0.21
(1,343)	1:465:A:ALA:HB1	1:467:A:ASN:H	14	0.21
(1,343)	1:465:A:ALA:HB2	1:467:A:ASN:H	14	0.21
(1,343)	1:465:A:ALA:HB3	1:467:A:ASN:H	14	0.21
(1,340)	1:465:A:ALA:H	1:467:A:ASN:H	10	0.21
(1,336)	1:464:A:GLN:HB2	1:467:A:ASN:H	12	0.21
(1,336)	1:464:A:GLN:HB3	1:467:A:ASN:H	12	0.21
(1,336)	1:464:A:GLN:HB2	1:467:A:ASN:H	17	0.21
(1,336)	1:464:A:GLN:HB3	1:467:A:ASN:H	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,335)	1:466:A:MET:HG2	1:467:A:ASN:H	6	0.21
(1,335)	1:466:A:MET:HG3	1:467:A:ASN:H	6	0.21
(1,323)	1:431:A:VAL:HG21	1:452:A:SER:H	5	0.21
(1,323)	1:431:A:VAL:HG22	1:452:A:SER:H	5	0.21
(1,323)	1:431:A:VAL:HG23	1:452:A:SER:H	5	0.21
(1,320)	1:434:A:ALA:HB1	1:452:A:SER:H	1	0.21
(1,320)	1:434:A:ALA:HB2	1:452:A:SER:H	1	0.21
(1,320)	1:434:A:ALA:HB3	1:452:A:SER:H	1	0.21
(1,320)	1:434:A:ALA:HB1	1:452:A:SER:H	18	0.21
(1,320)	1:434:A:ALA:HB2	1:452:A:SER:H	18	0.21
(1,320)	1:434:A:ALA:HB3	1:452:A:SER:H	18	0.21
(1,317)	1:473:A:MET:HB3	1:474:A:LYS:H	18	0.21
(1,317)	1:473:A:MET:HB3	1:474:A:LYS:H	19	0.21
(1,305)	1:405:A:ALA:H	1:406:A:ASN:HD21	2	0.21
(1,299)	1:403:A:GLU:HA	1:405:A:ALA:H	15	0.21
(1,298)	1:405:A:ALA:H	1:453:A:TYR:HB3	10	0.21
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG11	15	0.21
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG12	15	0.21
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG13	15	0.21
(1,289)	1:435:A:LYS:HB2	1:450:A:PHE:H	5	0.21
(1,289)	1:435:A:LYS:HB3	1:450:A:PHE:H	5	0.21
(1,289)	1:435:A:LYS:HB2	1:450:A:PHE:H	10	0.21
(1,289)	1:435:A:LYS:HB3	1:450:A:PHE:H	10	0.21
(1,281)	1:455:A:ASN:HB3	1:459:A:ALA:H	17	0.21
(1,281)	1:455:A:ASN:HB3	1:459:A:ALA:H	19	0.21
(1,279)	1:458:A:SER:HB3	1:459:A:ALA:H	5	0.21
(1,269)	1:455:A:ASN:HD21	1:457:A:VAL:H	14	0.21
(1,269)	1:455:A:ASN:HD21	1:457:A:VAL:H	17	0.21
(1,255)	1:433:A:SER:HB3	1:435:A:LYS:H	17	0.21
(1,251)	1:452:A:SER:HB2	1:453:A:TYR:H	16	0.21
(1,250)	1:451:A:VAL:HG21	1:453:A:TYR:H	9	0.21
(1,250)	1:451:A:VAL:HG22	1:453:A:TYR:H	9	0.21
(1,250)	1:451:A:VAL:HG23	1:453:A:TYR:H	9	0.21
(1,250)	1:451:A:VAL:HG21	1:453:A:TYR:H	11	0.21
(1,250)	1:451:A:VAL:HG22	1:453:A:TYR:H	11	0.21
(1,250)	1:451:A:VAL:HG23	1:453:A:TYR:H	11	0.21
(1,243)	1:400:A:GLU:H	1:401:A:GLY:H	1	0.21
(1,243)	1:400:A:GLU:H	1:401:A:GLY:H	5	0.21
(1,242)	1:399:A:LYS:HG2	1:400:A:GLU:H	16	0.21
(1,242)	1:399:A:LYS:HG3	1:400:A:GLU:H	16	0.21
(1,227)	1:418:A:ASP:H	1:436:A:VAL:HB	13	0.21
(1,214)	1:459:A:ALA:HA	1:462:A:ALA:H	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,212)	1:462:A:ALA:H	1:464:A:GLN:H	18	0.21
(1,199)	1:436:A:VAL:H	1:437:A:PHE:HD1	9	0.21
(1,199)	1:436:A:VAL:H	1:437:A:PHE:HD2	9	0.21
(1,199)	1:436:A:VAL:H	1:437:A:PHE:HD1	13	0.21
(1,199)	1:436:A:VAL:H	1:437:A:PHE:HD2	13	0.21
(1,199)	1:436:A:VAL:H	1:437:A:PHE:HD1	17	0.21
(1,199)	1:436:A:VAL:H	1:437:A:PHE:HD2	17	0.21
(1,196)	1:435:A:LYS:HD2	1:436:A:VAL:H	12	0.21
(1,196)	1:435:A:LYS:HD3	1:436:A:VAL:H	12	0.21
(1,192)	1:418:A:ASP:HB2	1:436:A:VAL:H	10	0.21
(1,187)	1:460:A:GLN:HG2	1:461:A:ALA:H	15	0.21
(1,187)	1:460:A:GLN:HG3	1:461:A:ALA:H	15	0.21
(1,185)	1:461:A:ALA:H	1:463:A:ILE:H	14	0.21
(1,178)	1:419:A:GLN:HA	1:422:A:LEU:H	17	0.21
(1,167)	1:480:A:LEU:H	1:480:A:LEU:HG	4	0.21
(1,167)	1:480:A:LEU:H	1:480:A:LEU:HG	18	0.21
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD1	14	0.21
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD2	14	0.21
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE1	14	0.21
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE2	14	0.21
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB2	12	0.21
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB3	12	0.21
(1,131)	1:469:A:PHE:H	1:471:A:ILE:HG12	1	0.21
(1,131)	1:469:A:PHE:H	1:471:A:ILE:HG13	1	0.21
(1,105)	1:408:A:PHE:HB3	1:479:A:GLN:H	11	0.21
(1,104)	1:408:A:PHE:HB2	1:479:A:GLN:H	14	0.21
(1,104)	1:408:A:PHE:HB2	1:479:A:GLN:H	17	0.21
(1,92)	1:477:A:LYS:H	1:478:A:VAL:H	13	0.21
(1,87)	1:481:A:LYS:H	1:481:A:LYS:HE2	19	0.21
(1,87)	1:481:A:LYS:H	1:481:A:LYS:HE3	19	0.21
(1,76)	1:445:A:SER:H	1:446:A:LYS:H	11	0.21
(1,72)	1:414:A:GLN:H	1:415:A:GLU:HB3	10	0.21
(1,60)	1:436:A:VAL:HG21	1:437:A:PHE:H	10	0.21
(1,60)	1:436:A:VAL:HG22	1:437:A:PHE:H	10	0.21
(1,60)	1:436:A:VAL:HG23	1:437:A:PHE:H	10	0.21
(1,58)	1:471:A:ILE:H	1:474:A:LYS:HB2	13	0.21
(1,42)	1:439:A:ASP:H	1:444:A:LEU:HG	15	0.21
(1,33)	1:477:A:LYS:H	1:478:A:VAL:H	13	0.21
(1,30)	1:440:A:LYS:H	1:441:A:GLN:HG3	11	0.21
(1,12)	1:440:A:LYS:H	1:442:A:THR:H	1	0.21
(1,9)	1:431:A:VAL:H	1:432:A:ILE:H	6	0.21
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE1	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE2	9	0.2
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE1	16	0.2
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE2	16	0.2
(1,1554)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	3	0.2
(1,1554)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	3	0.2
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD1	17	0.2
(1,1553)	1:451:A:VAL:HG21	1:453:A:TYR:HD2	17	0.2
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD1	17	0.2
(1,1553)	1:451:A:VAL:HG22	1:453:A:TYR:HD2	17	0.2
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD1	17	0.2
(1,1553)	1:451:A:VAL:HG23	1:453:A:TYR:HD2	17	0.2
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	4	0.2
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	4	0.2
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	4	0.2
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	4	0.2
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	4	0.2
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	4	0.2
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	5	0.2
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	5	0.2
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	5	0.2
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	5	0.2
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	5	0.2
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	5	0.2
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE1	7	0.2
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE2	7	0.2
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	7	0.2
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	7	0.2
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG21	10	0.2
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG22	10	0.2
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG23	10	0.2
(1,1504)	1:430:A:ASN:HA	1:453:A:TYR:HD1	5	0.2
(1,1504)	1:430:A:ASN:HA	1:453:A:TYR:HD2	5	0.2
(1,1469)	1:483:A:SER:HB2	1:484:A:LYS:HA	14	0.2
(1,1469)	1:483:A:SER:HB3	1:484:A:LYS:HA	14	0.2
(1,1467)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	8	0.2
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	4	0.2
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	4	0.2
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	4	0.2
(1,1435)	1:469:A:PHE:HA	1:471:A:ILE:HD11	20	0.2
(1,1435)	1:469:A:PHE:HA	1:471:A:ILE:HD12	20	0.2
(1,1435)	1:469:A:PHE:HA	1:471:A:ILE:HD13	20	0.2
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD1	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1431)	1:409:A:ILE:HA	1:410:A:TYR:HD2	6	0.2
(1,1415)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	12	0.2
(1,1415)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	12	0.2
(1,1415)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	12	0.2
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	14	0.2
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	14	0.2
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	14	0.2
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	14	0.2
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	14	0.2
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	14	0.2
(1,1395)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	12	0.2
(1,1395)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	12	0.2
(1,1395)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	12	0.2
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD11	19	0.2
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD12	19	0.2
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD13	19	0.2
(1,1356)	1:482:A:ARG:HD2	1:483:A:SER:HA	11	0.2
(1,1356)	1:482:A:ARG:HD3	1:483:A:SER:HA	11	0.2
(1,1354)	1:457:A:VAL:HA	1:460:A:GLN:HB2	2	0.2
(1,1354)	1:457:A:VAL:HA	1:460:A:GLN:HB3	2	0.2
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	12	0.2
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	12	0.2
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	12	0.2
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	17	0.2
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	17	0.2
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	17	0.2
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	19	0.2
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	19	0.2
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	19	0.2
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	9	0.2
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	9	0.2
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	9	0.2
(1,1336)	1:421:A:ILE:HG13	1:436:A:VAL:HG11	17	0.2
(1,1336)	1:421:A:ILE:HG13	1:436:A:VAL:HG12	17	0.2
(1,1336)	1:421:A:ILE:HG13	1:436:A:VAL:HG13	17	0.2
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	4	0.2
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	4	0.2
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	4	0.2
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	4	0.2
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	4	0.2
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	4	0.2
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	5	0.2
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	5	0.2
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	5	0.2
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	5	0.2
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	5	0.2
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB1	11	0.2
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB2	11	0.2
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB3	11	0.2
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	11	0.2
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	11	0.2
(1,1309)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	11	0.2
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	11	0.2
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	11	0.2
(1,1309)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	11	0.2
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	11	0.2
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	11	0.2
(1,1309)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	11	0.2
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	12	0.2
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	12	0.2
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	12	0.2
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	14	0.2
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	14	0.2
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	14	0.2
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	14	0.2
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	14	0.2
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	14	0.2
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	14	0.2
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	14	0.2
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	14	0.2
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG21	6	0.2
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG22	6	0.2
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG23	6	0.2
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG11	18	0.2
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG12	18	0.2
(1,1291)	1:425:A:PHE:HB2	1:431:A:VAL:HG13	18	0.2
(1,1288)	1:431:A:VAL:HG11	1:453:A:TYR:HE1	20	0.2
(1,1288)	1:431:A:VAL:HG11	1:453:A:TYR:HE2	20	0.2
(1,1288)	1:431:A:VAL:HG12	1:453:A:TYR:HE1	20	0.2
(1,1288)	1:431:A:VAL:HG12	1:453:A:TYR:HE2	20	0.2
(1,1288)	1:431:A:VAL:HG13	1:453:A:TYR:HE1	20	0.2
(1,1288)	1:431:A:VAL:HG13	1:453:A:TYR:HE2	20	0.2
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD11	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD12	16	0.2
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD13	16	0.2
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD21	16	0.2
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD22	16	0.2
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD23	16	0.2
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD11	16	0.2
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD12	16	0.2
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD13	16	0.2
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD21	16	0.2
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD22	16	0.2
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD23	16	0.2
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD11	16	0.2
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD12	16	0.2
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD13	16	0.2
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD21	16	0.2
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD22	16	0.2
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD23	16	0.2
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD11	17	0.2
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD12	17	0.2
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD13	17	0.2
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD21	17	0.2
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD22	17	0.2
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD23	17	0.2
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG21	2	0.2
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG22	2	0.2
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG23	2	0.2
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG21	7	0.2
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG22	7	0.2
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG23	7	0.2
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG21	12	0.2
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG22	12	0.2
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG23	12	0.2
(1,1267)	1:412:A:LEU:HD11	1:414:A:GLN:HB3	19	0.2
(1,1267)	1:412:A:LEU:HD12	1:414:A:GLN:HB3	19	0.2
(1,1267)	1:412:A:LEU:HD13	1:414:A:GLN:HB3	19	0.2
(1,1267)	1:412:A:LEU:HD21	1:414:A:GLN:HB3	19	0.2
(1,1267)	1:412:A:LEU:HD22	1:414:A:GLN:HB3	19	0.2
(1,1267)	1:412:A:LEU:HD23	1:414:A:GLN:HB3	19	0.2
(1,1266)	1:412:A:LEU:HD11	1:413:A:PRO:HB2	18	0.2
(1,1266)	1:412:A:LEU:HD11	1:413:A:PRO:HB3	18	0.2
(1,1266)	1:412:A:LEU:HD12	1:413:A:PRO:HB2	18	0.2
(1,1266)	1:412:A:LEU:HD12	1:413:A:PRO:HB3	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1266)	1:412:A:LEU:HD13	1:413:A:PRO:HB2	18	0.2
(1,1266)	1:412:A:LEU:HD13	1:413:A:PRO:HB3	18	0.2
(1,1266)	1:412:A:LEU:HD21	1:413:A:PRO:HB2	18	0.2
(1,1266)	1:412:A:LEU:HD21	1:413:A:PRO:HB3	18	0.2
(1,1266)	1:412:A:LEU:HD22	1:413:A:PRO:HB2	18	0.2
(1,1266)	1:412:A:LEU:HD22	1:413:A:PRO:HB3	18	0.2
(1,1266)	1:412:A:LEU:HD23	1:413:A:PRO:HB2	18	0.2
(1,1266)	1:412:A:LEU:HD23	1:413:A:PRO:HB3	18	0.2
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG2	9	0.2
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG3	9	0.2
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG2	9	0.2
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG3	9	0.2
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG2	9	0.2
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG3	9	0.2
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG2	9	0.2
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG3	9	0.2
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG2	9	0.2
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG3	9	0.2
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG2	9	0.2
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG3	9	0.2
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD11	17	0.2
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD12	17	0.2
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD13	17	0.2
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD21	17	0.2
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD22	17	0.2
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD23	17	0.2
(1,1234)	1:457:A:VAL:HA	1:460:A:GLN:HB2	2	0.2
(1,1234)	1:457:A:VAL:HA	1:460:A:GLN:HB3	2	0.2
(1,1227)	1:412:A:LEU:HG	1:413:A:PRO:HG2	17	0.2
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	10	0.2
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	10	0.2
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	10	0.2
(1,1196)	1:403:A:GLU:HB2	1:404:A:GLY:H	6	0.2
(1,1190)	1:481:A:LYS:HD3	1:482:A:ARG:HB3	6	0.2
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD11	3	0.2
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD12	3	0.2
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD13	3	0.2
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD11	15	0.2
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD12	15	0.2
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD13	15	0.2
(1,1181)	1:479:A:GLN:HA	1:480:A:LEU:HG	16	0.2
(1,1179)	1:463:A:ILE:HD11	1:479:A:GLN:HA	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1179)	1:463:A:ILE:HD12	1:479:A:GLN:HA	2	0.2
(1,1179)	1:463:A:ILE:HD13	1:479:A:GLN:HA	2	0.2
(1,1179)	1:463:A:ILE:HD11	1:479:A:GLN:HA	12	0.2
(1,1179)	1:463:A:ILE:HD12	1:479:A:GLN:HA	12	0.2
(1,1179)	1:463:A:ILE:HD13	1:479:A:GLN:HA	12	0.2
(1,1176)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	8	0.2
(1,1176)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	8	0.2
(1,1176)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	8	0.2
(1,1176)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	8	0.2
(1,1176)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	15	0.2
(1,1176)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	15	0.2
(1,1176)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	15	0.2
(1,1176)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	15	0.2
(1,1161)	1:459:A:ALA:HA	1:461:A:ALA:H	3	0.2
(1,1161)	1:459:A:ALA:HA	1:461:A:ALA:H	11	0.2
(1,1154)	1:461:A:ALA:HA	1:462:A:ALA:HA	18	0.2
(1,1150)	1:466:A:MET:HG2	1:467:A:ASN:H	1	0.2
(1,1150)	1:466:A:MET:HG3	1:467:A:ASN:H	1	0.2
(1,1142)	1:426:A:MET:HG2	1:431:A:VAL:HB	17	0.2
(1,1142)	1:426:A:MET:HG3	1:431:A:VAL:HB	17	0.2
(1,1133)	1:407:A:LEU:H	1:452:A:SER:HA	16	0.2
(1,1122)	1:408:A:PHE:HA	1:449:A:GLY:H	13	0.2
(1,1119)	1:464:A:GLN:HG2	1:465:A:ALA:H	1	0.2
(1,1119)	1:464:A:GLN:HG3	1:465:A:ALA:H	1	0.2
(1,1119)	1:464:A:GLN:HG2	1:465:A:ALA:H	5	0.2
(1,1119)	1:464:A:GLN:HG3	1:465:A:ALA:H	5	0.2
(1,1119)	1:464:A:GLN:HG2	1:465:A:ALA:H	6	0.2
(1,1119)	1:464:A:GLN:HG3	1:465:A:ALA:H	6	0.2
(1,1119)	1:464:A:GLN:HG2	1:465:A:ALA:H	13	0.2
(1,1119)	1:464:A:GLN:HG3	1:465:A:ALA:H	13	0.2
(1,1119)	1:464:A:GLN:HG2	1:465:A:ALA:H	16	0.2
(1,1119)	1:464:A:GLN:HG3	1:465:A:ALA:H	16	0.2
(1,1118)	1:423:A:GLN:HG3	1:424:A:MET:H	18	0.2
(1,1115)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	8	0.2
(1,1105)	1:463:A:ILE:HA	1:478:A:VAL:HB	19	0.2
(1,1089)	1:419:A:GLN:HA	1:422:A:LEU:HB3	11	0.2
(1,1088)	1:419:A:GLN:HA	1:422:A:LEU:H	14	0.2
(1,1085)	1:403:A:GLU:HG2	1:404:A:GLY:H	13	0.2
(1,1085)	1:403:A:GLU:HG2	1:404:A:GLY:H	15	0.2
(1,1083)	1:403:A:GLU:HG3	1:404:A:GLY:H	7	0.2
(1,1078)	1:414:A:GLN:HA	1:415:A:GLU:HG2	14	0.2
(1,1078)	1:414:A:GLN:HA	1:415:A:GLU:HG3	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	2	0.2
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	2	0.2
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	2	0.2
(1,1066)	1:414:A:GLN:HA	1:415:A:GLU:HA	2	0.2
(1,1066)	1:414:A:GLN:HA	1:415:A:GLU:HA	10	0.2
(1,1066)	1:414:A:GLN:HA	1:415:A:GLU:HA	11	0.2
(1,1066)	1:414:A:GLN:HA	1:415:A:GLU:HA	13	0.2
(1,1012)	1:462:A:ALA:H	1:463:A:ILE:HB	2	0.2
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	12	0.2
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	12	0.2
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	12	0.2
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD11	2	0.2
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD12	2	0.2
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD13	2	0.2
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD11	20	0.2
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD12	20	0.2
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD13	20	0.2
(1,983)	1:430:A:ASN:HB2	1:431:A:VAL:HA	9	0.2
(1,983)	1:430:A:ASN:HB3	1:431:A:VAL:HA	9	0.2
(1,980)	1:471:A:ILE:HB	1:472:A:GLY:H	8	0.2
(1,980)	1:471:A:ILE:HB	1:472:A:GLY:H	13	0.2
(1,976)	1:438:A:ILE:HG21	1:443:A:ASN:H	12	0.2
(1,976)	1:438:A:ILE:HG22	1:443:A:ASN:H	12	0.2
(1,976)	1:438:A:ILE:HG23	1:443:A:ASN:H	12	0.2
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG21	2	0.2
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG22	2	0.2
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG23	2	0.2
(1,942)	1:409:A:ILE:HB	1:449:A:GLY:H	20	0.2
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD1	5	0.2
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD2	5	0.2
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD1	5	0.2
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD2	5	0.2
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD1	12	0.2
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD2	12	0.2
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD1	12	0.2
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD2	12	0.2
(1,912)	1:435:A:LYS:HE2	1:438:A:ILE:H	13	0.2
(1,912)	1:435:A:LYS:HE3	1:438:A:ILE:H	13	0.2
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	9	0.2
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	9	0.2
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	9	0.2
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	9	0.2
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	9	0.2
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	9	0.2
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	9	0.2
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	9	0.2
(1,904)	1:451:A:VAL:HG11	1:462:A:ALA:HB1	11	0.2
(1,904)	1:451:A:VAL:HG11	1:462:A:ALA:HB2	11	0.2
(1,904)	1:451:A:VAL:HG11	1:462:A:ALA:HB3	11	0.2
(1,904)	1:451:A:VAL:HG12	1:462:A:ALA:HB1	11	0.2
(1,904)	1:451:A:VAL:HG12	1:462:A:ALA:HB2	11	0.2
(1,904)	1:451:A:VAL:HG12	1:462:A:ALA:HB3	11	0.2
(1,904)	1:451:A:VAL:HG13	1:462:A:ALA:HB1	11	0.2
(1,904)	1:451:A:VAL:HG13	1:462:A:ALA:HB2	11	0.2
(1,904)	1:451:A:VAL:HG13	1:462:A:ALA:HB3	11	0.2
(1,901)	1:462:A:ALA:HB1	1:465:A:ALA:H	18	0.2
(1,901)	1:462:A:ALA:HB2	1:465:A:ALA:H	18	0.2
(1,901)	1:462:A:ALA:HB3	1:465:A:ALA:H	18	0.2
(1,884)	1:433:A:SER:HB2	1:452:A:SER:H	5	0.2
(1,884)	1:433:A:SER:HB2	1:452:A:SER:H	6	0.2
(1,877)	1:408:A:PHE:HB2	1:479:A:GLN:H	6	0.2
(1,877)	1:408:A:PHE:HB3	1:479:A:GLN:H	6	0.2
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE1	6	0.2
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE2	6	0.2
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	6	0.2
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	6	0.2
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG21	2	0.2
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG22	2	0.2
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG23	2	0.2
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG21	7	0.2
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG22	7	0.2
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG23	7	0.2
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG21	12	0.2
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG22	12	0.2
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG23	12	0.2
(1,863)	1:417:A:GLY:HA3	1:419:A:GLN:H	18	0.2
(1,861)	1:452:A:SER:HB2	1:453:A:TYR:H	19	0.2
(1,852)	1:405:A:ALA:HB1	1:455:A:ASN:H	4	0.2
(1,852)	1:405:A:ALA:HB2	1:455:A:ASN:H	4	0.2
(1,852)	1:405:A:ALA:HB3	1:455:A:ASN:H	4	0.2
(1,850)	1:405:A:ALA:HB1	1:406:A:ASN:HD22	7	0.2
(1,850)	1:405:A:ALA:HB2	1:406:A:ASN:HD22	7	0.2
(1,850)	1:405:A:ALA:HB3	1:406:A:ASN:HD22	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB1	17	0.2
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB2	17	0.2
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB3	17	0.2
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	9	0.2
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	9	0.2
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	9	0.2
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	3	0.2
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	3	0.2
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	3	0.2
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	3	0.2
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	3	0.2
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	3	0.2
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	3	0.2
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	3	0.2
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	3	0.2
(1,823)	1:436:A:VAL:HG11	1:450:A:PHE:H	20	0.2
(1,823)	1:436:A:VAL:HG12	1:450:A:PHE:H	20	0.2
(1,823)	1:436:A:VAL:HG13	1:450:A:PHE:H	20	0.2
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG21	11	0.2
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG22	11	0.2
(1,822)	1:434:A:ALA:HB1	1:451:A:VAL:HG23	11	0.2
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG21	11	0.2
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG22	11	0.2
(1,822)	1:434:A:ALA:HB2	1:451:A:VAL:HG23	11	0.2
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG21	11	0.2
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG22	11	0.2
(1,822)	1:434:A:ALA:HB3	1:451:A:VAL:HG23	11	0.2
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	3	0.2
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	3	0.2
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	3	0.2
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	3	0.2
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	3	0.2
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	3	0.2
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	3	0.2
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	3	0.2
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	3	0.2
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	13	0.2
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	13	0.2
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	13	0.2
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB1	11	0.2
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB2	11	0.2
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB3	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB1	6	0.2
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB2	6	0.2
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB3	6	0.2
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB1	16	0.2
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB2	16	0.2
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB3	16	0.2
(1,810)	1:434:A:ALA:HB1	1:452:A:SER:H	5	0.2
(1,810)	1:434:A:ALA:HB2	1:452:A:SER:H	5	0.2
(1,810)	1:434:A:ALA:HB3	1:452:A:SER:H	5	0.2
(1,810)	1:434:A:ALA:HB1	1:452:A:SER:H	8	0.2
(1,810)	1:434:A:ALA:HB2	1:452:A:SER:H	8	0.2
(1,810)	1:434:A:ALA:HB3	1:452:A:SER:H	8	0.2
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB1	5	0.2
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB2	5	0.2
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB3	5	0.2
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB1	5	0.2
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB2	5	0.2
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB3	5	0.2
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB1	5	0.2
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB2	5	0.2
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB3	5	0.2
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	9	0.2
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	9	0.2
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	9	0.2
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	9	0.2
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	9	0.2
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	9	0.2
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	9	0.2
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	9	0.2
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	9	0.2
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG11	2	0.2
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG12	2	0.2
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG13	2	0.2
(1,791)	1:466:A:MET:H	1:478:A:VAL:HG11	4	0.2
(1,791)	1:466:A:MET:H	1:478:A:VAL:HG12	4	0.2
(1,791)	1:466:A:MET:H	1:478:A:VAL:HG13	4	0.2
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	20	0.2
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	20	0.2
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	20	0.2
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	8	0.2
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	8	0.2
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	8	0.2
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	8	0.2
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	8	0.2
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	8	0.2
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	8	0.2
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	8	0.2
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	15	0.2
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	15	0.2
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	15	0.2
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	15	0.2
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	15	0.2
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	15	0.2
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	15	0.2
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	15	0.2
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	15	0.2
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	19	0.2
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	19	0.2
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	19	0.2
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	19	0.2
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	19	0.2
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	19	0.2
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	19	0.2
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	19	0.2
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	19	0.2
(1,776)	1:435:A:LYS:H	1:451:A:VAL:HG21	2	0.2
(1,776)	1:435:A:LYS:H	1:451:A:VAL:HG22	2	0.2
(1,776)	1:435:A:LYS:H	1:451:A:VAL:HG23	2	0.2
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB2	18	0.2
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB3	18	0.2
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	8	0.2
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	8	0.2
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	8	0.2
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	8	0.2
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	8	0.2
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	8	0.2
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	11	0.2
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	11	0.2
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	11	0.2
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	11	0.2
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	11	0.2
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	11	0.2
(1,763)	1:457:A:VAL:HG11	1:459:A:ALA:H	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:457:A:VAL:HG12	1:459:A:ALA:H	19	0.2
(1,763)	1:457:A:VAL:HG13	1:459:A:ALA:H	19	0.2
(1,763)	1:457:A:VAL:HG21	1:459:A:ALA:H	19	0.2
(1,763)	1:457:A:VAL:HG22	1:459:A:ALA:H	19	0.2
(1,763)	1:457:A:VAL:HG23	1:459:A:ALA:H	19	0.2
(1,750)	1:436:A:VAL:HG21	1:450:A:PHE:H	13	0.2
(1,750)	1:436:A:VAL:HG22	1:450:A:PHE:H	13	0.2
(1,750)	1:436:A:VAL:HG23	1:450:A:PHE:H	13	0.2
(1,742)	1:426:A:MET:HE1	1:429:A:GLY:H	7	0.2
(1,742)	1:426:A:MET:HE2	1:429:A:GLY:H	7	0.2
(1,742)	1:426:A:MET:HE3	1:429:A:GLY:H	7	0.2
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE1	1	0.2
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE2	1	0.2
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE3	1	0.2
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD1	10	0.2
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD2	10	0.2
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD11	1	0.2
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD12	1	0.2
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD13	1	0.2
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD21	1	0.2
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD22	1	0.2
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD23	1	0.2
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD11	1	0.2
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD12	1	0.2
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD13	1	0.2
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD21	1	0.2
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD22	1	0.2
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD23	1	0.2
(1,704)	1:412:A:LEU:HD11	1:413:A:PRO:HB2	18	0.2
(1,704)	1:412:A:LEU:HD11	1:413:A:PRO:HB3	18	0.2
(1,704)	1:412:A:LEU:HD12	1:413:A:PRO:HB2	18	0.2
(1,704)	1:412:A:LEU:HD12	1:413:A:PRO:HB3	18	0.2
(1,704)	1:412:A:LEU:HD13	1:413:A:PRO:HB2	18	0.2
(1,704)	1:412:A:LEU:HD13	1:413:A:PRO:HB3	18	0.2
(1,704)	1:412:A:LEU:HD21	1:413:A:PRO:HB2	18	0.2
(1,704)	1:412:A:LEU:HD21	1:413:A:PRO:HB3	18	0.2
(1,704)	1:412:A:LEU:HD22	1:413:A:PRO:HB2	18	0.2
(1,704)	1:412:A:LEU:HD22	1:413:A:PRO:HB3	18	0.2
(1,704)	1:412:A:LEU:HD23	1:413:A:PRO:HB2	18	0.2
(1,704)	1:412:A:LEU:HD23	1:413:A:PRO:HB3	18	0.2
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG2	16	0.2
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG3	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG2	16	0.2
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG3	16	0.2
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG2	16	0.2
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG3	16	0.2
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG2	16	0.2
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG3	16	0.2
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG2	16	0.2
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG3	16	0.2
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG2	16	0.2
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG3	16	0.2
(1,684)	1:399:A:LYS:HG2	1:400:A:GLU:H	17	0.2
(1,684)	1:399:A:LYS:HG3	1:400:A:GLU:H	17	0.2
(1,670)	1:480:A:LEU:H	1:480:A:LEU:HG	2	0.2
(1,670)	1:480:A:LEU:H	1:480:A:LEU:HG	9	0.2
(1,670)	1:480:A:LEU:H	1:480:A:LEU:HG	10	0.2
(1,669)	1:444:A:LEU:HG	1:445:A:SER:H	11	0.2
(1,667)	1:473:A:MET:HG2	1:474:A:LYS:HG2	5	0.2
(1,658)	1:480:A:LEU:H	1:480:A:LEU:HG	2	0.2
(1,658)	1:480:A:LEU:H	1:480:A:LEU:HG	9	0.2
(1,658)	1:480:A:LEU:H	1:480:A:LEU:HG	10	0.2
(1,649)	1:407:A:LEU:HD11	1:479:A:GLN:HA	12	0.2
(1,649)	1:407:A:LEU:HD12	1:479:A:GLN:HA	12	0.2
(1,649)	1:407:A:LEU:HD13	1:479:A:GLN:HA	12	0.2
(1,649)	1:407:A:LEU:HD21	1:479:A:GLN:HA	12	0.2
(1,649)	1:407:A:LEU:HD22	1:479:A:GLN:HA	12	0.2
(1,649)	1:407:A:LEU:HD23	1:479:A:GLN:HA	12	0.2
(1,647)	1:407:A:LEU:HD11	1:408:A:PHE:H	6	0.2
(1,647)	1:407:A:LEU:HD12	1:408:A:PHE:H	6	0.2
(1,647)	1:407:A:LEU:HD13	1:408:A:PHE:H	6	0.2
(1,647)	1:407:A:LEU:HD21	1:408:A:PHE:H	6	0.2
(1,647)	1:407:A:LEU:HD22	1:408:A:PHE:H	6	0.2
(1,647)	1:407:A:LEU:HD23	1:408:A:PHE:H	6	0.2
(1,639)	1:469:A:PHE:HB3	1:476:A:LEU:HG	5	0.2
(1,639)	1:469:A:PHE:HB3	1:476:A:LEU:HG	14	0.2
(1,639)	1:469:A:PHE:HB3	1:476:A:LEU:HG	15	0.2
(1,635)	1:469:A:PHE:HD1	1:476:A:LEU:HG	1	0.2
(1,635)	1:469:A:PHE:HD2	1:476:A:LEU:HG	1	0.2
(1,635)	1:469:A:PHE:HD1	1:476:A:LEU:HG	8	0.2
(1,635)	1:469:A:PHE:HD2	1:476:A:LEU:HG	8	0.2
(1,634)	1:469:A:PHE:HE1	1:476:A:LEU:HG	11	0.2
(1,634)	1:469:A:PHE:HE2	1:476:A:LEU:HG	11	0.2
(1,628)	1:402:A:PRO:HD3	1:405:A:ALA:H	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	2	0.2
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	2	0.2
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	2	0.2
(1,619)	1:407:A:LEU:HG	1:453:A:TYR:H	14	0.2
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG21	17	0.2
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG22	17	0.2
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG23	17	0.2
(1,604)	1:426:A:MET:HE1	1:429:A:GLY:H	7	0.2
(1,604)	1:426:A:MET:HE2	1:429:A:GLY:H	7	0.2
(1,604)	1:426:A:MET:HE3	1:429:A:GLY:H	7	0.2
(1,581)	1:401:A:GLY:H	1:452:A:SER:HB3	17	0.2
(1,580)	1:401:A:GLY:H	1:406:A:ASN:HD21	4	0.2
(1,564)	1:411:A:HIS:H	1:448:A:PHE:HB2	7	0.2
(1,564)	1:411:A:HIS:H	1:448:A:PHE:HB3	7	0.2
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG21	17	0.2
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG22	17	0.2
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG23	17	0.2
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE1	1	0.2
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE2	1	0.2
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE3	1	0.2
(1,546)	1:404:A:GLY:H	1:406:A:ASN:HD22	20	0.2
(1,533)	1:417:A:GLY:H	1:420:A:ASP:HB3	1	0.2
(1,530)	1:417:A:GLY:H	1:421:A:ILE:H	1	0.2
(1,530)	1:417:A:GLY:H	1:421:A:ILE:H	2	0.2
(1,530)	1:417:A:GLY:H	1:421:A:ILE:H	5	0.2
(1,530)	1:417:A:GLY:H	1:421:A:ILE:H	8	0.2
(1,518)	1:430:A:ASN:HA	1:430:A:ASN:HD22	18	0.2
(1,517)	1:430:A:ASN:HD22	1:431:A:VAL:H	10	0.2
(1,517)	1:430:A:ASN:HD22	1:431:A:VAL:H	20	0.2
(1,516)	1:402:A:PRO:HG2	1:455:A:ASN:H	15	0.2
(1,505)	1:409:A:ILE:HG21	1:412:A:LEU:H	17	0.2
(1,505)	1:409:A:ILE:HG22	1:412:A:LEU:H	17	0.2
(1,505)	1:409:A:ILE:HG23	1:412:A:LEU:H	17	0.2
(1,504)	1:409:A:ILE:HA	1:412:A:LEU:H	4	0.2
(1,497)	1:454:A:ASP:HB3	1:455:A:ASN:HD22	9	0.2
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB1	4	0.2
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB2	4	0.2
(1,487)	1:406:A:ASN:H	1:459:A:ALA:HB3	4	0.2
(1,484)	1:404:A:GLY:HA3	1:406:A:ASN:H	4	0.2
(1,480)	1:444:A:LEU:HG	1:445:A:SER:H	11	0.2
(1,478)	1:444:A:LEU:HB2	1:445:A:SER:H	3	0.2
(1,473)	1:444:A:LEU:H	1:445:A:SER:H	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,460)	1:457:A:VAL:H	1:460:A:GLN:H	18	0.2
(1,454)	1:458:A:SER:HA	1:460:A:GLN:H	20	0.2
(1,453)	1:456:A:PRO:HA	1:460:A:GLN:H	1	0.2
(1,453)	1:456:A:PRO:HA	1:460:A:GLN:H	5	0.2
(1,453)	1:456:A:PRO:HA	1:460:A:GLN:H	12	0.2
(1,443)	1:417:A:GLY:H	1:421:A:ILE:H	1	0.2
(1,443)	1:417:A:GLY:H	1:421:A:ILE:H	2	0.2
(1,443)	1:417:A:GLY:H	1:421:A:ILE:H	5	0.2
(1,443)	1:417:A:GLY:H	1:421:A:ILE:H	8	0.2
(1,422)	1:464:A:GLN:HG2	1:465:A:ALA:H	1	0.2
(1,422)	1:464:A:GLN:HG3	1:465:A:ALA:H	1	0.2
(1,422)	1:464:A:GLN:HG2	1:465:A:ALA:H	5	0.2
(1,422)	1:464:A:GLN:HG3	1:465:A:ALA:H	5	0.2
(1,422)	1:464:A:GLN:HG2	1:465:A:ALA:H	6	0.2
(1,422)	1:464:A:GLN:HG3	1:465:A:ALA:H	6	0.2
(1,422)	1:464:A:GLN:HG2	1:465:A:ALA:H	13	0.2
(1,422)	1:464:A:GLN:HG3	1:465:A:ALA:H	13	0.2
(1,422)	1:464:A:GLN:HG2	1:465:A:ALA:H	16	0.2
(1,422)	1:464:A:GLN:HG3	1:465:A:ALA:H	16	0.2
(1,418)	1:440:A:LYS:HG2	1:441:A:GLN:H	5	0.2
(1,418)	1:440:A:LYS:HG3	1:441:A:GLN:H	5	0.2
(1,418)	1:440:A:LYS:HG2	1:441:A:GLN:H	20	0.2
(1,418)	1:440:A:LYS:HG3	1:441:A:GLN:H	20	0.2
(1,417)	1:439:A:ASP:HB2	1:441:A:GLN:H	10	0.2
(1,412)	1:441:A:GLN:H	1:443:A:ASN:H	19	0.2
(1,405)	1:471:A:ILE:HG12	1:472:A:GLY:H	8	0.2
(1,405)	1:471:A:ILE:HG13	1:472:A:GLY:H	8	0.2
(1,404)	1:471:A:ILE:HB	1:472:A:GLY:H	8	0.2
(1,404)	1:471:A:ILE:HB	1:472:A:GLY:H	13	0.2
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD1	3	0.2
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD2	3	0.2
(1,381)	1:439:A:ASP:HB2	1:444:A:LEU:H	12	0.2
(1,376)	1:444:A:LEU:H	1:445:A:SER:H	14	0.2
(1,357)	1:463:A:ILE:H	1:465:A:ALA:H	18	0.2
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD11	2	0.2
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD12	2	0.2
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD13	2	0.2
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD11	20	0.2
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD12	20	0.2
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD13	20	0.2
(1,352)	1:407:A:LEU:HD11	1:408:A:PHE:H	6	0.2
(1,352)	1:407:A:LEU:HD12	1:408:A:PHE:H	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,352)	1:407:A:LEU:HD13	1:408:A:PHE:H	6	0.2
(1,352)	1:407:A:LEU:HD21	1:408:A:PHE:H	6	0.2
(1,352)	1:407:A:LEU:HD22	1:408:A:PHE:H	6	0.2
(1,352)	1:407:A:LEU:HD23	1:408:A:PHE:H	6	0.2
(1,337)	1:408:A:PHE:H	1:481:A:LYS:H	20	0.2
(1,336)	1:464:A:GLN:HB2	1:467:A:ASN:H	6	0.2
(1,336)	1:464:A:GLN:HB3	1:467:A:ASN:H	6	0.2
(1,335)	1:466:A:MET:HG2	1:467:A:ASN:H	1	0.2
(1,335)	1:466:A:MET:HG3	1:467:A:ASN:H	1	0.2
(1,320)	1:434:A:ALA:HB1	1:452:A:SER:H	5	0.2
(1,320)	1:434:A:ALA:HB2	1:452:A:SER:H	5	0.2
(1,320)	1:434:A:ALA:HB3	1:452:A:SER:H	5	0.2
(1,320)	1:434:A:ALA:HB1	1:452:A:SER:H	8	0.2
(1,320)	1:434:A:ALA:HB2	1:452:A:SER:H	8	0.2
(1,320)	1:434:A:ALA:HB3	1:452:A:SER:H	8	0.2
(1,317)	1:473:A:MET:HB3	1:474:A:LYS:H	2	0.2
(1,317)	1:473:A:MET:HB3	1:474:A:LYS:H	11	0.2
(1,317)	1:473:A:MET:HB3	1:474:A:LYS:H	14	0.2
(1,292)	1:436:A:VAL:HG11	1:450:A:PHE:H	20	0.2
(1,292)	1:436:A:VAL:HG12	1:450:A:PHE:H	20	0.2
(1,292)	1:436:A:VAL:HG13	1:450:A:PHE:H	20	0.2
(1,287)	1:436:A:VAL:HA	1:450:A:PHE:H	2	0.2
(1,287)	1:436:A:VAL:HA	1:450:A:PHE:H	6	0.2
(1,269)	1:455:A:ASN:HD21	1:457:A:VAL:H	15	0.2
(1,259)	1:435:A:LYS:H	1:450:A:PHE:HD1	8	0.2
(1,259)	1:435:A:LYS:H	1:450:A:PHE:HD2	8	0.2
(1,251)	1:452:A:SER:HB2	1:453:A:TYR:H	19	0.2
(1,243)	1:400:A:GLU:H	1:401:A:GLY:H	6	0.2
(1,242)	1:399:A:LYS:HG2	1:400:A:GLU:H	17	0.2
(1,242)	1:399:A:LYS:HG3	1:400:A:GLU:H	17	0.2
(1,217)	1:462:A:ALA:H	1:463:A:ILE:HB	2	0.2
(1,215)	1:428:A:PHE:HB3	1:462:A:ALA:H	6	0.2
(1,187)	1:460:A:GLN:HG2	1:461:A:ALA:H	7	0.2
(1,187)	1:460:A:GLN:HG3	1:461:A:ALA:H	7	0.2
(1,186)	1:459:A:ALA:HA	1:461:A:ALA:H	3	0.2
(1,186)	1:459:A:ALA:HA	1:461:A:ALA:H	11	0.2
(1,181)	1:418:A:ASP:HB2	1:422:A:LEU:H	6	0.2
(1,178)	1:419:A:GLN:HA	1:422:A:LEU:H	14	0.2
(1,171)	1:483:A:SER:H	1:484:A:LYS:H	2	0.2
(1,167)	1:480:A:LEU:H	1:480:A:LEU:HG	2	0.2
(1,167)	1:480:A:LEU:H	1:480:A:LEU:HG	9	0.2
(1,167)	1:480:A:LEU:H	1:480:A:LEU:HG	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:406:A:ASN:HB2	1:407:A:LEU:H	20	0.2
(1,150)	1:407:A:LEU:H	1:409:A:ILE:H	5	0.2
(1,144)	1:410:A:TYR:H	1:477:A:LYS:HB2	8	0.2
(1,144)	1:410:A:TYR:H	1:477:A:LYS:HB3	8	0.2
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE1	7	0.2
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE2	7	0.2
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE1	10	0.2
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE2	10	0.2
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE1	17	0.2
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE2	17	0.2
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB2	5	0.2
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB3	5	0.2
(1,127)	1:466:A:MET:HA	1:469:A:PHE:H	3	0.2
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG11	19	0.2
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG12	19	0.2
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG13	19	0.2
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG11	20	0.2
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG12	20	0.2
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG13	20	0.2
(1,104)	1:408:A:PHE:HB2	1:479:A:GLN:H	15	0.2
(1,103)	1:407:A:LEU:HG	1:479:A:GLN:H	5	0.2
(1,92)	1:477:A:LYS:H	1:478:A:VAL:H	4	0.2
(1,87)	1:481:A:LYS:H	1:481:A:LYS:HE2	1	0.2
(1,87)	1:481:A:LYS:H	1:481:A:LYS:HE3	1	0.2
(1,42)	1:439:A:ASP:H	1:444:A:LEU:HG	13	0.2
(1,35)	1:467:A:ASN:HB2	1:478:A:VAL:H	4	0.2
(1,33)	1:477:A:LYS:H	1:478:A:VAL:H	4	0.2
(1,19)	1:425:A:PHE:HD1	1:426:A:MET:H	9	0.2
(1,19)	1:425:A:PHE:HD2	1:426:A:MET:H	9	0.2
(1,9)	1:431:A:VAL:H	1:432:A:ILE:H	15	0.2
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	1	0.19
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	1	0.19
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	1	0.19
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	1	0.19
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	1	0.19
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	1	0.19
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	6	0.19
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	6	0.19
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	6	0.19
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	6	0.19
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	6	0.19
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1602)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	17	0.19
(1,1602)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	17	0.19
(1,1602)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	17	0.19
(1,1602)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	17	0.19
(1,1602)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	17	0.19
(1,1602)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	17	0.19
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE1	20	0.19
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE2	20	0.19
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE1	1	0.19
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE2	1	0.19
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE1	3	0.19
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE2	3	0.19
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE1	5	0.19
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE2	5	0.19
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE1	17	0.19
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE2	17	0.19
(1,1589)	1:411:A:HIS:HA	1:411:A:HIS:HD2	4	0.19
(1,1588)	1:411:A:HIS:H	1:411:A:HIS:HD2	7	0.19
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD1	15	0.19
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD2	15	0.19
(1,1554)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	15	0.19
(1,1554)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	15	0.19
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	16	0.19
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	16	0.19
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	16	0.19
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	16	0.19
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	16	0.19
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	16	0.19
(1,1544)	1:421:A:ILE:HG21	1:425:A:PHE:HD1	12	0.19
(1,1544)	1:421:A:ILE:HG21	1:425:A:PHE:HD2	12	0.19
(1,1544)	1:421:A:ILE:HG22	1:425:A:PHE:HD1	12	0.19
(1,1544)	1:421:A:ILE:HG22	1:425:A:PHE:HD2	12	0.19
(1,1544)	1:421:A:ILE:HG23	1:425:A:PHE:HD1	12	0.19
(1,1544)	1:421:A:ILE:HG23	1:425:A:PHE:HD2	12	0.19
(1,1536)	1:409:A:ILE:HG21	1:410:A:TYR:HD1	11	0.19
(1,1536)	1:409:A:ILE:HG21	1:410:A:TYR:HD2	11	0.19
(1,1536)	1:409:A:ILE:HG22	1:410:A:TYR:HD1	11	0.19
(1,1536)	1:409:A:ILE:HG22	1:410:A:TYR:HD2	11	0.19
(1,1536)	1:409:A:ILE:HG23	1:410:A:TYR:HD1	11	0.19
(1,1536)	1:409:A:ILE:HG23	1:410:A:TYR:HD2	11	0.19
(1,1535)	1:410:A:TYR:HD1	1:448:A:PHE:HB2	12	0.19
(1,1535)	1:410:A:TYR:HD1	1:448:A:PHE:HB3	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1535)	1:410:A:TYR:HD2	1:448:A:PHE:HB2	12	0.19
(1,1535)	1:410:A:TYR:HD2	1:448:A:PHE:HB3	12	0.19
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	3	0.19
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	3	0.19
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	3	0.19
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	3	0.19
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE1	20	0.19
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE2	20	0.19
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	20	0.19
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	20	0.19
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG21	9	0.19
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG22	9	0.19
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG23	9	0.19
(1,1477)	1:481:A:LYS:HA	1:481:A:LYS:HE2	12	0.19
(1,1477)	1:481:A:LYS:HA	1:481:A:LYS:HE3	12	0.19
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD11	1	0.19
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD12	1	0.19
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD13	1	0.19
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG11	13	0.19
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG12	13	0.19
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG13	13	0.19
(1,1435)	1:469:A:PHE:HA	1:471:A:ILE:HD11	15	0.19
(1,1435)	1:469:A:PHE:HA	1:471:A:ILE:HD12	15	0.19
(1,1435)	1:469:A:PHE:HA	1:471:A:ILE:HD13	15	0.19
(1,1429)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	12	0.19
(1,1429)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	12	0.19
(1,1429)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	12	0.19
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	11	0.19
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	11	0.19
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	11	0.19
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	11	0.19
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	11	0.19
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	11	0.19
(1,1415)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	3	0.19
(1,1415)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	3	0.19
(1,1415)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	3	0.19
(1,1406)	1:435:A:LYS:HB2	1:437:A:PHE:HB2	13	0.19
(1,1406)	1:435:A:LYS:HB3	1:437:A:PHE:HB2	13	0.19
(1,1404)	1:420:A:ASP:HB2	1:423:A:GLN:HA	15	0.19
(1,1395)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	3	0.19
(1,1395)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	3	0.19
(1,1395)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1393)	1:432:A:ILE:HG21	1:433:A:SER:HB2	8	0.19
(1,1393)	1:432:A:ILE:HG22	1:433:A:SER:HB2	8	0.19
(1,1393)	1:432:A:ILE:HG23	1:433:A:SER:HB2	8	0.19
(1,1393)	1:432:A:ILE:HG21	1:433:A:SER:HB2	9	0.19
(1,1393)	1:432:A:ILE:HG22	1:433:A:SER:HB2	9	0.19
(1,1393)	1:432:A:ILE:HG23	1:433:A:SER:HB2	9	0.19
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB1	7	0.19
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB2	7	0.19
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB3	7	0.19
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB1	7	0.19
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB2	7	0.19
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB3	7	0.19
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB1	12	0.19
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB2	12	0.19
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB3	12	0.19
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB1	12	0.19
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB2	12	0.19
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB3	12	0.19
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB1	15	0.19
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB2	15	0.19
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB3	15	0.19
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB1	15	0.19
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB2	15	0.19
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB3	15	0.19
(1,1350)	1:474:A:LYS:HD2	1:475:A:ARG:HD3	2	0.19
(1,1350)	1:474:A:LYS:HD3	1:475:A:ARG:HD3	2	0.19
(1,1350)	1:474:A:LYS:HD2	1:475:A:ARG:HD3	3	0.19
(1,1350)	1:474:A:LYS:HD3	1:475:A:ARG:HD3	3	0.19
(1,1350)	1:474:A:LYS:HD2	1:475:A:ARG:HD3	5	0.19
(1,1350)	1:474:A:LYS:HD3	1:475:A:ARG:HD3	5	0.19
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	9	0.19
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	9	0.19
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	9	0.19
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	5	0.19
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	5	0.19
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	5	0.19
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	5	0.19
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	5	0.19
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	5	0.19
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	5	0.19
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	5	0.19
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG11	13	0.19
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG12	13	0.19
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG13	13	0.19
(1,1326)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	17	0.19
(1,1326)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	17	0.19
(1,1326)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	17	0.19
(1,1326)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	17	0.19
(1,1326)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	17	0.19
(1,1326)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	17	0.19
(1,1315)	1:429:A:GLY:HA3	1:430:A:ASN:HA	3	0.19
(1,1315)	1:429:A:GLY:HA3	1:430:A:ASN:HA	8	0.19
(1,1315)	1:429:A:GLY:HA3	1:430:A:ASN:HA	11	0.19
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	1	0.19
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	1	0.19
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	1	0.19
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	1	0.19
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	1	0.19
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	1	0.19
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	6	0.19
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	6	0.19
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	6	0.19
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	6	0.19
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	6	0.19
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	6	0.19
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	6	0.19
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	6	0.19
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	6	0.19
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD1	18	0.19
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD2	18	0.19
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD1	18	0.19
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD2	18	0.19
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD1	18	0.19
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD2	18	0.19
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD11	11	0.19
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD12	11	0.19
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD13	11	0.19
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD21	11	0.19
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD22	11	0.19
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD23	11	0.19
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	15	0.19
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	15	0.19
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	15	0.19
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	15	0.19
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	15	0.19
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	15	0.19
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	15	0.19
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	15	0.19
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	15	0.19
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	15	0.19
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	15	0.19
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	15	0.19
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	15	0.19
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	15	0.19
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	15	0.19
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	15	0.19
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	15	0.19
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	18	0.19
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	18	0.19
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	18	0.19
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	18	0.19
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	18	0.19
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	18	0.19
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	18	0.19
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	18	0.19
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	18	0.19
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	18	0.19
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	18	0.19
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	18	0.19
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	18	0.19
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	18	0.19
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	18	0.19
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	18	0.19
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	18	0.19
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	18	0.19
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG21	8	0.19
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG22	8	0.19
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG23	8	0.19
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG21	9	0.19
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG22	9	0.19
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG23	9	0.19
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG21	10	0.19
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG22	10	0.19
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG23	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB1	18	0.19
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB2	18	0.19
(1,1268)	1:422:A:LEU:HD11	1:434:A:ALA:HB3	18	0.19
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB1	18	0.19
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB2	18	0.19
(1,1268)	1:422:A:LEU:HD12	1:434:A:ALA:HB3	18	0.19
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB1	18	0.19
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB2	18	0.19
(1,1268)	1:422:A:LEU:HD13	1:434:A:ALA:HB3	18	0.19
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB1	18	0.19
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB2	18	0.19
(1,1268)	1:422:A:LEU:HD21	1:434:A:ALA:HB3	18	0.19
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB1	18	0.19
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB2	18	0.19
(1,1268)	1:422:A:LEU:HD22	1:434:A:ALA:HB3	18	0.19
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB1	18	0.19
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB2	18	0.19
(1,1268)	1:422:A:LEU:HD23	1:434:A:ALA:HB3	18	0.19
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG2	10	0.19
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG3	10	0.19
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG2	10	0.19
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG3	10	0.19
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG2	10	0.19
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG3	10	0.19
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG2	10	0.19
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG3	10	0.19
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG2	10	0.19
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG3	10	0.19
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG2	10	0.19
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG3	10	0.19
(1,1260)	1:442:A:THR:HB	1:444:A:LEU:HG	5	0.19
(1,1255)	1:463:A:ILE:HD11	1:480:A:LEU:HG	10	0.19
(1,1255)	1:463:A:ILE:HD12	1:480:A:LEU:HG	10	0.19
(1,1255)	1:463:A:ILE:HD13	1:480:A:LEU:HG	10	0.19
(1,1254)	1:442:A:THR:HB	1:444:A:LEU:HG	5	0.19
(1,1241)	1:407:A:LEU:HG	1:425:A:PHE:HE1	15	0.19
(1,1241)	1:407:A:LEU:HG	1:425:A:PHE:HE2	15	0.19
(1,1237)	1:422:A:LEU:HG	1:423:A:GLN:H	19	0.19
(1,1220)	1:402:A:PRO:HG2	1:456:A:PRO:HD2	16	0.19
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD1	6	0.19
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD2	6	0.19
(1,1196)	1:403:A:GLU:HB2	1:404:A:GLY:H	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1162)	1:453:A:TYR:HD1	1:459:A:ALA:HA	7	0.19
(1,1162)	1:453:A:TYR:HD2	1:459:A:ALA:HA	7	0.19
(1,1157)	1:461:A:ALA:HA	1:464:A:GLN:H	4	0.19
(1,1150)	1:466:A:MET:HG2	1:467:A:ASN:H	13	0.19
(1,1150)	1:466:A:MET:HG3	1:467:A:ASN:H	13	0.19
(1,1146)	1:438:A:ILE:HA	1:443:A:ASN:HA	12	0.19
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG2	11	0.19
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG3	11	0.19
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG2	11	0.19
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG3	11	0.19
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG2	11	0.19
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG3	11	0.19
(1,1137)	1:446:A:LYS:HB2	1:489:A:PRO:HD2	13	0.19
(1,1137)	1:446:A:LYS:HB3	1:489:A:PRO:HD2	13	0.19
(1,1133)	1:407:A:LEU:H	1:452:A:SER:HA	13	0.19
(1,1119)	1:464:A:GLN:HG2	1:465:A:ALA:H	7	0.19
(1,1119)	1:464:A:GLN:HG3	1:465:A:ALA:H	7	0.19
(1,1118)	1:423:A:GLN:HG3	1:424:A:MET:H	13	0.19
(1,1116)	1:432:A:ILE:H	1:453:A:TYR:HA	14	0.19
(1,1098)	1:440:A:LYS:HA	1:442:A:THR:H	13	0.19
(1,1097)	1:441:A:GLN:HA	1:444:A:LEU:H	13	0.19
(1,1090)	1:419:A:GLN:HA	1:422:A:LEU:HB2	15	0.19
(1,1084)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	18	0.19
(1,1082)	1:422:A:LEU:HA	1:425:A:PHE:HB2	5	0.19
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD11	5	0.19
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD12	5	0.19
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD13	5	0.19
(1,1066)	1:414:A:GLN:HA	1:415:A:GLU:HA	7	0.19
(1,1066)	1:414:A:GLN:HA	1:415:A:GLU:HA	8	0.19
(1,1066)	1:414:A:GLN:HA	1:415:A:GLU:HA	9	0.19
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	5	0.19
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	5	0.19
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	5	0.19
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	5	0.19
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	5	0.19
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	5	0.19
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	5	0.19
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	5	0.19
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	5	0.19
(1,1045)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	12	0.19
(1,1045)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	12	0.19
(1,1045)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD11	10	0.19
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD12	10	0.19
(1,1036)	1:460:A:GLN:HA	1:463:A:ILE:HD13	10	0.19
(1,1035)	1:463:A:ILE:HD11	1:464:A:GLN:H	7	0.19
(1,1035)	1:463:A:ILE:HD12	1:464:A:GLN:H	7	0.19
(1,1035)	1:463:A:ILE:HD13	1:464:A:GLN:H	7	0.19
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD11	17	0.19
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD12	17	0.19
(1,1026)	1:412:A:LEU:HD11	1:471:A:ILE:HD13	17	0.19
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD11	17	0.19
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD12	17	0.19
(1,1026)	1:412:A:LEU:HD12	1:471:A:ILE:HD13	17	0.19
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD11	17	0.19
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD12	17	0.19
(1,1026)	1:412:A:LEU:HD13	1:471:A:ILE:HD13	17	0.19
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD11	17	0.19
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD12	17	0.19
(1,1026)	1:412:A:LEU:HD21	1:471:A:ILE:HD13	17	0.19
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD11	17	0.19
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD12	17	0.19
(1,1026)	1:412:A:LEU:HD22	1:471:A:ILE:HD13	17	0.19
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD11	17	0.19
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD12	17	0.19
(1,1026)	1:412:A:LEU:HD23	1:471:A:ILE:HD13	17	0.19
(1,1012)	1:462:A:ALA:H	1:463:A:ILE:HB	7	0.19
(1,1012)	1:462:A:ALA:H	1:463:A:ILE:HB	14	0.19
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	6	0.19
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	6	0.19
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	6	0.19
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD11	13	0.19
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD12	13	0.19
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD13	13	0.19
(1,983)	1:430:A:ASN:HB2	1:431:A:VAL:HA	12	0.19
(1,983)	1:430:A:ASN:HB3	1:431:A:VAL:HA	12	0.19
(1,983)	1:430:A:ASN:HB2	1:431:A:VAL:HA	14	0.19
(1,983)	1:430:A:ASN:HB3	1:431:A:VAL:HA	14	0.19
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG21	6	0.19
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG22	6	0.19
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG23	6	0.19
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG21	16	0.19
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG22	16	0.19
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG23	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,959)	1:432:A:ILE:HG21	1:454:A:ASP:H	15	0.19
(1,959)	1:432:A:ILE:HG22	1:454:A:ASP:H	15	0.19
(1,959)	1:432:A:ILE:HG23	1:454:A:ASP:H	15	0.19
(1,958)	1:431:A:VAL:H	1:432:A:ILE:HG21	17	0.19
(1,958)	1:431:A:VAL:H	1:432:A:ILE:HG22	17	0.19
(1,958)	1:431:A:VAL:H	1:432:A:ILE:HG23	17	0.19
(1,945)	1:461:A:ALA:HB1	1:465:A:ALA:HB1	12	0.19
(1,945)	1:461:A:ALA:HB1	1:465:A:ALA:HB2	12	0.19
(1,945)	1:461:A:ALA:HB1	1:465:A:ALA:HB3	12	0.19
(1,945)	1:461:A:ALA:HB2	1:465:A:ALA:HB1	12	0.19
(1,945)	1:461:A:ALA:HB2	1:465:A:ALA:HB2	12	0.19
(1,945)	1:461:A:ALA:HB2	1:465:A:ALA:HB3	12	0.19
(1,945)	1:461:A:ALA:HB3	1:465:A:ALA:HB1	12	0.19
(1,945)	1:461:A:ALA:HB3	1:465:A:ALA:HB2	12	0.19
(1,945)	1:461:A:ALA:HB3	1:465:A:ALA:HB3	12	0.19
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG2	11	0.19
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG3	11	0.19
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG2	11	0.19
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG3	11	0.19
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG2	11	0.19
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG3	11	0.19
(1,920)	1:402:A:PRO:HG3	1:455:A:ASN:HB2	6	0.19
(1,920)	1:402:A:PRO:HG3	1:455:A:ASN:HB2	7	0.19
(1,920)	1:402:A:PRO:HG3	1:455:A:ASN:HB2	14	0.19
(1,911)	1:435:A:LYS:HE2	1:436:A:VAL:H	20	0.19
(1,911)	1:435:A:LYS:HE3	1:436:A:VAL:H	20	0.19
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	5	0.19
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	5	0.19
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	5	0.19
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	5	0.19
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	5	0.19
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	5	0.19
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	5	0.19
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	5	0.19
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	5	0.19
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	14	0.19
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	14	0.19
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	14	0.19
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	14	0.19
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	14	0.19
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	14	0.19
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	14	0.19
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	14	0.19
(1,904)	1:451:A:VAL:HG11	1:462:A:ALA:HB1	12	0.19
(1,904)	1:451:A:VAL:HG11	1:462:A:ALA:HB2	12	0.19
(1,904)	1:451:A:VAL:HG11	1:462:A:ALA:HB3	12	0.19
(1,904)	1:451:A:VAL:HG12	1:462:A:ALA:HB1	12	0.19
(1,904)	1:451:A:VAL:HG12	1:462:A:ALA:HB2	12	0.19
(1,904)	1:451:A:VAL:HG12	1:462:A:ALA:HB3	12	0.19
(1,904)	1:451:A:VAL:HG13	1:462:A:ALA:HB1	12	0.19
(1,904)	1:451:A:VAL:HG13	1:462:A:ALA:HB2	12	0.19
(1,904)	1:451:A:VAL:HG13	1:462:A:ALA:HB3	12	0.19
(1,889)	1:439:A:ASP:HB2	1:444:A:LEU:HB3	17	0.19
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB2	5	0.19
(1,881)	1:479:A:GLN:HA	1:480:A:LEU:HB3	5	0.19
(1,879)	1:453:A:TYR:HB3	1:455:A:ASN:H	4	0.19
(1,877)	1:408:A:PHE:HB2	1:479:A:GLN:H	3	0.19
(1,877)	1:408:A:PHE:HB3	1:479:A:GLN:H	3	0.19
(1,877)	1:408:A:PHE:HB2	1:479:A:GLN:H	8	0.19
(1,877)	1:408:A:PHE:HB3	1:479:A:GLN:H	8	0.19
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG21	8	0.19
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG22	8	0.19
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG23	8	0.19
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG21	9	0.19
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG22	9	0.19
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG23	9	0.19
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG21	10	0.19
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG22	10	0.19
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG23	10	0.19
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB1	11	0.19
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB2	11	0.19
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB3	11	0.19
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB1	8	0.19
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB2	8	0.19
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB3	8	0.19
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB1	9	0.19
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB2	9	0.19
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB3	9	0.19
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	16	0.19
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	16	0.19
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	16	0.19
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	16	0.19
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	16	0.19
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG11	1	0.19
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG12	1	0.19
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG13	1	0.19
(1,836)	1:444:A:LEU:HB3	1:445:A:SER:H	1	0.19
(1,836)	1:444:A:LEU:HB3	1:445:A:SER:H	16	0.19
(1,833)	1:449:A:GLY:HA3	1:450:A:PHE:HB2	18	0.19
(1,823)	1:436:A:VAL:HG11	1:450:A:PHE:H	12	0.19
(1,823)	1:436:A:VAL:HG12	1:450:A:PHE:H	12	0.19
(1,823)	1:436:A:VAL:HG13	1:450:A:PHE:H	12	0.19
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB1	3	0.19
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB2	3	0.19
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB3	3	0.19
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB1	8	0.19
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB2	8	0.19
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB3	8	0.19
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB1	9	0.19
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB2	9	0.19
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB3	9	0.19
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB1	14	0.19
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB2	14	0.19
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB3	14	0.19
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB1	19	0.19
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB2	19	0.19
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB3	19	0.19
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	5	0.19
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	5	0.19
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	5	0.19
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	5	0.19
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	5	0.19
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	5	0.19
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	5	0.19
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	5	0.19
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	5	0.19
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	14	0.19
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	14	0.19
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	14	0.19
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	14	0.19
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	14	0.19
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	14	0.19
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	14	0.19
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	14	0.19
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG11	18	0.19
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG12	18	0.19
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG13	18	0.19
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	18	0.19
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	18	0.19
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	18	0.19
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	18	0.19
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	18	0.19
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	18	0.19
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	10	0.19
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	10	0.19
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	10	0.19
(1,777)	1:451:A:VAL:HG21	1:453:A:TYR:H	12	0.19
(1,777)	1:451:A:VAL:HG22	1:453:A:TYR:H	12	0.19
(1,777)	1:451:A:VAL:HG23	1:453:A:TYR:H	12	0.19
(1,768)	1:457:A:VAL:HG11	1:458:A:SER:HB2	6	0.19
(1,768)	1:457:A:VAL:HG12	1:458:A:SER:HB2	6	0.19
(1,768)	1:457:A:VAL:HG13	1:458:A:SER:HB2	6	0.19
(1,768)	1:457:A:VAL:HG21	1:458:A:SER:HB2	6	0.19
(1,768)	1:457:A:VAL:HG22	1:458:A:SER:HB2	6	0.19
(1,768)	1:457:A:VAL:HG23	1:458:A:SER:HB2	6	0.19
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG11	9	0.19
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG12	9	0.19
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG13	9	0.19
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG21	9	0.19
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG22	9	0.19
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG23	9	0.19
(1,763)	1:457:A:VAL:HG11	1:459:A:ALA:H	11	0.19
(1,763)	1:457:A:VAL:HG12	1:459:A:ALA:H	11	0.19
(1,763)	1:457:A:VAL:HG13	1:459:A:ALA:H	11	0.19
(1,763)	1:457:A:VAL:HG21	1:459:A:ALA:H	11	0.19
(1,763)	1:457:A:VAL:HG22	1:459:A:ALA:H	11	0.19
(1,763)	1:457:A:VAL:HG23	1:459:A:ALA:H	11	0.19
(1,749)	1:417:A:GLY:H	1:436:A:VAL:HG21	19	0.19
(1,749)	1:417:A:GLY:H	1:436:A:VAL:HG22	19	0.19
(1,749)	1:417:A:GLY:H	1:436:A:VAL:HG23	19	0.19
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	8	0.19
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	8	0.19
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	8	0.19
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	8	0.19
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	8	0.19
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	8	0.19
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	8	0.19
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	8	0.19
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	20	0.19
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	20	0.19
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	20	0.19
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	20	0.19
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	20	0.19
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	20	0.19
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	20	0.19
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	20	0.19
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	20	0.19
(1,742)	1:426:A:MET:HE1	1:429:A:GLY:H	3	0.19
(1,742)	1:426:A:MET:HE2	1:429:A:GLY:H	3	0.19
(1,742)	1:426:A:MET:HE3	1:429:A:GLY:H	3	0.19
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD1	3	0.19
(1,733)	1:449:A:GLY:HA2	1:450:A:PHE:HD2	3	0.19
(1,729)	1:407:A:LEU:HB2	1:408:A:PHE:H	15	0.19
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD1	14	0.19
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD2	14	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD11	10	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD12	10	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD13	10	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD21	10	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD22	10	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD23	10	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD11	10	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD12	10	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD13	10	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD21	10	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD22	10	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD23	10	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD11	12	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD12	12	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD13	12	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD21	12	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD22	12	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD23	12	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD11	12	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD12	12	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD13	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD21	12	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD22	12	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD23	12	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD11	14	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD12	14	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD13	14	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD21	14	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD22	14	0.19
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD23	14	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD11	14	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD12	14	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD13	14	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD21	14	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD22	14	0.19
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD23	14	0.19
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	15	0.19
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	15	0.19
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	15	0.19
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	15	0.19
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	15	0.19
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	15	0.19
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	15	0.19
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	15	0.19
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	15	0.19
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	15	0.19
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	15	0.19
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	15	0.19
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	15	0.19
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	15	0.19
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	15	0.19
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	15	0.19
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	15	0.19
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	15	0.19
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	18	0.19
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	18	0.19
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	18	0.19
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	18	0.19
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	18	0.19
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	18	0.19
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	18	0.19
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	18	0.19
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	18	0.19
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	18	0.19
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	18	0.19
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	18	0.19
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	18	0.19
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	18	0.19
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	18	0.19
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	18	0.19
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	18	0.19
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG2	17	0.19
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG3	17	0.19
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG2	17	0.19
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG3	17	0.19
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG2	17	0.19
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG3	17	0.19
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG2	17	0.19
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG3	17	0.19
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG2	17	0.19
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG3	17	0.19
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG2	17	0.19
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG3	17	0.19
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB2	9	0.19
(1,671)	1:412:A:LEU:HG	1:413:A:PRO:HB3	9	0.19
(1,669)	1:444:A:LEU:HG	1:445:A:SER:H	6	0.19
(1,668)	1:473:A:MET:HG2	1:474:A:LYS:HG3	2	0.19
(1,668)	1:473:A:MET:HG2	1:474:A:LYS:HG3	5	0.19
(1,655)	1:474:A:LYS:H	1:474:A:LYS:HG3	17	0.19
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	15	0.19
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	15	0.19
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	15	0.19
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	15	0.19
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	15	0.19
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	15	0.19
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	15	0.19
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	15	0.19
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	15	0.19
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	15	0.19
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	15	0.19
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	15	0.19
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	15	0.19
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	15	0.19
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	15	0.19
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	15	0.19
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	15	0.19
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	18	0.19
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	18	0.19
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	18	0.19
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	18	0.19
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	18	0.19
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	18	0.19
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	18	0.19
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	18	0.19
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	18	0.19
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	18	0.19
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	18	0.19
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	18	0.19
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	18	0.19
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	18	0.19
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	18	0.19
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	18	0.19
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	18	0.19
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	18	0.19
(1,647)	1:407:A:LEU:HD11	1:408:A:PHE:H	2	0.19
(1,647)	1:407:A:LEU:HD12	1:408:A:PHE:H	2	0.19
(1,647)	1:407:A:LEU:HD13	1:408:A:PHE:H	2	0.19
(1,647)	1:407:A:LEU:HD21	1:408:A:PHE:H	2	0.19
(1,647)	1:407:A:LEU:HD22	1:408:A:PHE:H	2	0.19
(1,647)	1:407:A:LEU:HD23	1:408:A:PHE:H	2	0.19
(1,643)	1:410:A:TYR:HB2	1:412:A:LEU:HG	7	0.19
(1,635)	1:469:A:PHE:HD1	1:476:A:LEU:HG	7	0.19
(1,635)	1:469:A:PHE:HD2	1:476:A:LEU:HG	7	0.19
(1,634)	1:469:A:PHE:HE1	1:476:A:LEU:HG	19	0.19
(1,634)	1:469:A:PHE:HE2	1:476:A:LEU:HG	19	0.19
(1,632)	1:476:A:LEU:H	1:476:A:LEU:HG	8	0.19
(1,620)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	12	0.19
(1,620)	1:411:A:HIS:HB2	1:474:A:LYS:HB3	12	0.19
(1,607)	1:427:A:PRO:HG2	1:429:A:GLY:H	8	0.19
(1,604)	1:426:A:MET:HE1	1:429:A:GLY:H	3	0.19
(1,604)	1:426:A:MET:HE2	1:429:A:GLY:H	3	0.19
(1,604)	1:426:A:MET:HE3	1:429:A:GLY:H	3	0.19
(1,596)	1:441:A:GLN:HG3	1:442:A:THR:H	8	0.19
(1,592)	1:409:A:ILE:HG21	1:449:A:GLY:H	16	0.19
(1,592)	1:409:A:ILE:HG22	1:449:A:GLY:H	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,592)	1:409:A:ILE:HG23	1:449:A:GLY:H	16	0.19
(1,581)	1:401:A:GLY:H	1:452:A:SER:HB3	13	0.19
(1,572)	1:414:A:GLN:HE21	1:472:A:GLY:HA2	4	0.19
(1,564)	1:411:A:HIS:H	1:448:A:PHE:HB2	12	0.19
(1,564)	1:411:A:HIS:H	1:448:A:PHE:HB3	12	0.19
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG11	9	0.19
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG12	9	0.19
(1,559)	1:425:A:PHE:H	1:451:A:VAL:HG13	9	0.19
(1,544)	1:432:A:ILE:HG21	1:454:A:ASP:H	15	0.19
(1,544)	1:432:A:ILE:HG22	1:454:A:ASP:H	15	0.19
(1,544)	1:432:A:ILE:HG23	1:454:A:ASP:H	15	0.19
(1,530)	1:417:A:GLY:H	1:421:A:ILE:H	18	0.19
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG21	11	0.19
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG22	11	0.19
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG23	11	0.19
(1,518)	1:430:A:ASN:HA	1:430:A:ASN:HD22	9	0.19
(1,518)	1:430:A:ASN:HA	1:430:A:ASN:HD22	15	0.19
(1,517)	1:430:A:ASN:HD22	1:431:A:VAL:H	5	0.19
(1,517)	1:430:A:ASN:HD22	1:431:A:VAL:H	13	0.19
(1,513)	1:453:A:TYR:HB3	1:455:A:ASN:H	4	0.19
(1,511)	1:455:A:ASN:H	1:458:A:SER:HB3	10	0.19
(1,506)	1:453:A:TYR:H	1:455:A:ASN:H	6	0.19
(1,506)	1:453:A:TYR:H	1:455:A:ASN:H	19	0.19
(1,492)	1:415:A:GLU:H	1:416:A:PHE:HB2	4	0.19
(1,492)	1:415:A:GLU:H	1:416:A:PHE:HB2	10	0.19
(1,492)	1:415:A:GLU:H	1:416:A:PHE:HB2	15	0.19
(1,491)	1:415:A:GLU:H	1:416:A:PHE:HD1	11	0.19
(1,491)	1:415:A:GLU:H	1:416:A:PHE:HD2	11	0.19
(1,483)	1:406:A:ASN:H	1:406:A:ASN:HD22	16	0.19
(1,480)	1:444:A:LEU:HG	1:445:A:SER:H	6	0.19
(1,477)	1:444:A:LEU:HB3	1:445:A:SER:H	1	0.19
(1,477)	1:444:A:LEU:HB3	1:445:A:SER:H	16	0.19
(1,473)	1:444:A:LEU:H	1:445:A:SER:H	6	0.19
(1,473)	1:444:A:LEU:H	1:445:A:SER:H	17	0.19
(1,469)	1:424:A:MET:H	1:425:A:PHE:HB3	11	0.19
(1,460)	1:457:A:VAL:H	1:460:A:GLN:H	8	0.19
(1,454)	1:458:A:SER:HA	1:460:A:GLN:H	16	0.19
(1,451)	1:460:A:GLN:H	1:480:A:LEU:HG	5	0.19
(1,443)	1:417:A:GLY:H	1:421:A:ILE:H	18	0.19
(1,433)	1:463:A:ILE:HD11	1:464:A:GLN:H	7	0.19
(1,433)	1:463:A:ILE:HD12	1:464:A:GLN:H	7	0.19
(1,433)	1:463:A:ILE:HD13	1:464:A:GLN:H	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:438:A:ILE:HB	1:443:A:ASN:H	11	0.19
(1,425)	1:438:A:ILE:HB	1:443:A:ASN:H	13	0.19
(1,422)	1:464:A:GLN:HG2	1:465:A:ALA:H	7	0.19
(1,422)	1:464:A:GLN:HG3	1:465:A:ALA:H	7	0.19
(1,410)	1:420:A:ASP:H	1:421:A:ILE:HG21	9	0.19
(1,410)	1:420:A:ASP:H	1:421:A:ILE:HG22	9	0.19
(1,410)	1:420:A:ASP:H	1:421:A:ILE:HG23	9	0.19
(1,389)	1:402:A:PRO:HA	1:406:A:ASN:HD21	3	0.19
(1,381)	1:439:A:ASP:HB2	1:444:A:LEU:H	14	0.19
(1,376)	1:444:A:LEU:H	1:445:A:SER:H	6	0.19
(1,376)	1:444:A:LEU:H	1:445:A:SER:H	17	0.19
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD11	13	0.19
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD12	13	0.19
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD13	13	0.19
(1,352)	1:407:A:LEU:HD11	1:408:A:PHE:H	2	0.19
(1,352)	1:407:A:LEU:HD12	1:408:A:PHE:H	2	0.19
(1,352)	1:407:A:LEU:HD13	1:408:A:PHE:H	2	0.19
(1,352)	1:407:A:LEU:HD21	1:408:A:PHE:H	2	0.19
(1,352)	1:407:A:LEU:HD22	1:408:A:PHE:H	2	0.19
(1,352)	1:407:A:LEU:HD23	1:408:A:PHE:H	2	0.19
(1,350)	1:407:A:LEU:HB2	1:408:A:PHE:H	15	0.19
(1,335)	1:466:A:MET:HG2	1:467:A:ASN:H	13	0.19
(1,335)	1:466:A:MET:HG3	1:467:A:ASN:H	13	0.19
(1,321)	1:433:A:SER:H	1:452:A:SER:H	17	0.19
(1,317)	1:473:A:MET:HB3	1:474:A:LYS:H	3	0.19
(1,314)	1:474:A:LYS:HD2	1:475:A:ARG:H	1	0.19
(1,314)	1:474:A:LYS:HD3	1:475:A:ARG:H	1	0.19
(1,302)	1:403:A:GLU:HG2	1:405:A:ALA:H	2	0.19
(1,302)	1:403:A:GLU:HG2	1:405:A:ALA:H	10	0.19
(1,299)	1:403:A:GLU:HA	1:405:A:ALA:H	6	0.19
(1,298)	1:405:A:ALA:H	1:453:A:TYR:HB3	19	0.19
(1,297)	1:405:A:ALA:H	1:406:A:ASN:HB3	11	0.19
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG11	3	0.19
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG12	3	0.19
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG13	3	0.19
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG11	8	0.19
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG12	8	0.19
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG13	8	0.19
(1,292)	1:436:A:VAL:HG11	1:450:A:PHE:H	12	0.19
(1,292)	1:436:A:VAL:HG12	1:450:A:PHE:H	12	0.19
(1,292)	1:436:A:VAL:HG13	1:450:A:PHE:H	12	0.19
(1,284)	1:450:A:PHE:H	1:450:A:PHE:HE1	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,284)	1:450:A:PHE:H	1:450:A:PHE:HE2	15	0.19
(1,263)	1:408:A:PHE:HD1	1:409:A:ILE:H	10	0.19
(1,263)	1:408:A:PHE:HD2	1:409:A:ILE:H	10	0.19
(1,250)	1:451:A:VAL:HG21	1:453:A:TYR:H	12	0.19
(1,250)	1:451:A:VAL:HG22	1:453:A:TYR:H	12	0.19
(1,250)	1:451:A:VAL:HG23	1:453:A:TYR:H	12	0.19
(1,243)	1:400:A:GLU:H	1:401:A:GLY:H	13	0.19
(1,228)	1:418:A:ASP:H	1:436:A:VAL:HG11	11	0.19
(1,228)	1:418:A:ASP:H	1:436:A:VAL:HG12	11	0.19
(1,228)	1:418:A:ASP:H	1:436:A:VAL:HG13	11	0.19
(1,217)	1:462:A:ALA:H	1:463:A:ILE:HB	7	0.19
(1,217)	1:462:A:ALA:H	1:463:A:ILE:HB	14	0.19
(1,210)	1:418:A:ASP:H	1:420:A:ASP:HB2	7	0.19
(1,209)	1:418:A:ASP:H	1:420:A:ASP:HB3	6	0.19
(1,187)	1:460:A:GLN:HG2	1:461:A:ALA:H	18	0.19
(1,187)	1:460:A:GLN:HG3	1:461:A:ALA:H	18	0.19
(1,175)	1:399:A:LYS:H	1:400:A:GLU:HG2	20	0.19
(1,174)	1:398:A:GLN:HG3	1:399:A:LYS:H	6	0.19
(1,155)	1:407:A:LEU:H	1:408:A:PHE:HB2	1	0.19
(1,155)	1:407:A:LEU:H	1:408:A:PHE:HB2	14	0.19
(1,155)	1:407:A:LEU:H	1:408:A:PHE:HB2	16	0.19
(1,144)	1:410:A:TYR:H	1:477:A:LYS:HB2	4	0.19
(1,144)	1:410:A:TYR:H	1:477:A:LYS:HB3	4	0.19
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB2	6	0.19
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB3	6	0.19
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB2	14	0.19
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB3	14	0.19
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG11	12	0.19
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG12	12	0.19
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG13	12	0.19
(1,105)	1:408:A:PHE:HB3	1:479:A:GLN:H	14	0.19
(1,76)	1:445:A:SER:H	1:446:A:LYS:H	18	0.19
(1,62)	1:435:A:LYS:HE2	1:437:A:PHE:H	4	0.19
(1,62)	1:435:A:LYS:HE3	1:437:A:PHE:H	4	0.19
(1,42)	1:439:A:ASP:H	1:444:A:LEU:HG	9	0.19
(1,30)	1:440:A:LYS:H	1:441:A:GLN:HG3	13	0.19
(1,19)	1:425:A:PHE:HD1	1:426:A:MET:H	17	0.19
(1,19)	1:425:A:PHE:HD2	1:426:A:MET:H	17	0.19
(1,13)	1:432:A:ILE:H	1:454:A:ASP:H	12	0.19
(1,9)	1:431:A:VAL:H	1:432:A:ILE:H	1	0.19
(1,9)	1:431:A:VAL:H	1:432:A:ILE:H	2	0.19
(1,9)	1:431:A:VAL:H	1:432:A:ILE:H	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:431:A:VAL:H	1:432:A:ILE:H	11	0.19
(1,9)	1:431:A:VAL:H	1:432:A:ILE:H	14	0.19
(1,9)	1:431:A:VAL:H	1:432:A:ILE:H	18	0.19
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE1	4	0.18
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE2	4	0.18
(1,1589)	1:411:A:HIS:HA	1:411:A:HIS:HD2	8	0.18
(1,1583)	1:416:A:PHE:HD1	1:417:A:GLY:H	19	0.18
(1,1583)	1:416:A:PHE:HD2	1:417:A:GLY:H	19	0.18
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD1	5	0.18
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD2	5	0.18
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD1	9	0.18
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD2	9	0.18
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	11	0.18
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	11	0.18
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	11	0.18
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	11	0.18
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	11	0.18
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	11	0.18
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE1	13	0.18
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE2	13	0.18
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE1	17	0.18
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE2	17	0.18
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD1	13	0.18
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD2	13	0.18
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD1	13	0.18
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD2	13	0.18
(1,1554)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	8	0.18
(1,1554)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	8	0.18
(1,1541)	1:421:A:ILE:HA	1:425:A:PHE:HD1	18	0.18
(1,1541)	1:421:A:ILE:HA	1:425:A:PHE:HD2	18	0.18
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE1	14	0.18
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE2	14	0.18
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	14	0.18
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	14	0.18
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG21	5	0.18
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG22	5	0.18
(1,1508)	1:430:A:ASN:HA	1:431:A:VAL:HG23	5	0.18
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB2	4	0.18
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB3	4	0.18
(1,1493)	1:455:A:ASN:HB3	1:457:A:VAL:HB	3	0.18
(1,1490)	1:438:A:ILE:HG21	1:443:A:ASN:HA	8	0.18
(1,1490)	1:438:A:ILE:HG22	1:443:A:ASN:HA	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1490)	1:438:A:ILE:HG23	1:443:A:ASN:HA	8	0.18
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG21	9	0.18
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG22	9	0.18
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG23	9	0.18
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG21	9	0.18
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG22	9	0.18
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG23	9	0.18
(1,1478)	1:467:A:ASN:HA	1:478:A:VAL:HG21	5	0.18
(1,1478)	1:467:A:ASN:HA	1:478:A:VAL:HG22	5	0.18
(1,1478)	1:467:A:ASN:HA	1:478:A:VAL:HG23	5	0.18
(1,1478)	1:467:A:ASN:HA	1:478:A:VAL:HG21	7	0.18
(1,1478)	1:467:A:ASN:HA	1:478:A:VAL:HG22	7	0.18
(1,1478)	1:467:A:ASN:HA	1:478:A:VAL:HG23	7	0.18
(1,1475)	1:467:A:ASN:HA	1:478:A:VAL:HG21	5	0.18
(1,1475)	1:467:A:ASN:HA	1:478:A:VAL:HG22	5	0.18
(1,1475)	1:467:A:ASN:HA	1:478:A:VAL:HG23	5	0.18
(1,1475)	1:467:A:ASN:HA	1:478:A:VAL:HG21	7	0.18
(1,1475)	1:467:A:ASN:HA	1:478:A:VAL:HG22	7	0.18
(1,1475)	1:467:A:ASN:HA	1:478:A:VAL:HG23	7	0.18
(1,1415)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	8	0.18
(1,1415)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	8	0.18
(1,1415)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	8	0.18
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD11	1	0.18
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD12	1	0.18
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD13	1	0.18
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD11	1	0.18
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD12	1	0.18
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD13	1	0.18
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD11	1	0.18
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD12	1	0.18
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD13	1	0.18
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD11	1	0.18
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD12	1	0.18
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD13	1	0.18
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD11	1	0.18
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD12	1	0.18
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD13	1	0.18
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD11	1	0.18
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD12	1	0.18
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD13	1	0.18
(1,1404)	1:420:A:ASP:HB2	1:423:A:GLN:HA	6	0.18
(1,1395)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1395)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	8	0.18
(1,1395)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	8	0.18
(1,1393)	1:432:A:ILE:HG21	1:433:A:SER:HB2	16	0.18
(1,1393)	1:432:A:ILE:HG22	1:433:A:SER:HB2	16	0.18
(1,1393)	1:432:A:ILE:HG23	1:433:A:SER:HB2	16	0.18
(1,1393)	1:432:A:ILE:HG21	1:433:A:SER:HB2	18	0.18
(1,1393)	1:432:A:ILE:HG22	1:433:A:SER:HB2	18	0.18
(1,1393)	1:432:A:ILE:HG23	1:433:A:SER:HB2	18	0.18
(1,1392)	1:428:A:PHE:HB3	1:461:A:ALA:HB1	6	0.18
(1,1392)	1:428:A:PHE:HB3	1:461:A:ALA:HB2	6	0.18
(1,1392)	1:428:A:PHE:HB3	1:461:A:ALA:HB3	6	0.18
(1,1387)	1:409:A:ILE:HB	1:449:A:GLY:HA3	16	0.18
(1,1356)	1:482:A:ARG:HD2	1:483:A:SER:HA	2	0.18
(1,1356)	1:482:A:ARG:HD3	1:483:A:SER:HA	2	0.18
(1,1356)	1:482:A:ARG:HD2	1:483:A:SER:HA	15	0.18
(1,1356)	1:482:A:ARG:HD3	1:483:A:SER:HA	15	0.18
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD2	14	0.18
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD3	14	0.18
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD2	14	0.18
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD3	14	0.18
(1,1344)	1:402:A:PRO:HG3	1:405:A:ALA:HB1	11	0.18
(1,1344)	1:402:A:PRO:HG3	1:405:A:ALA:HB2	11	0.18
(1,1344)	1:402:A:PRO:HG3	1:405:A:ALA:HB3	11	0.18
(1,1341)	1:402:A:PRO:HD3	1:405:A:ALA:HB1	17	0.18
(1,1341)	1:402:A:PRO:HD3	1:405:A:ALA:HB2	17	0.18
(1,1341)	1:402:A:PRO:HD3	1:405:A:ALA:HB3	17	0.18
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	16	0.18
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	16	0.18
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	16	0.18
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	16	0.18
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	16	0.18
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	16	0.18
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	16	0.18
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	16	0.18
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	16	0.18
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	19	0.18
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	19	0.18
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	19	0.18
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	1	0.18
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	1	0.18
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	1	0.18
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG21	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG22	5	0.18
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG23	5	0.18
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG21	18	0.18
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG22	18	0.18
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG23	18	0.18
(1,1289)	1:431:A:VAL:HG11	1:453:A:TYR:HA	10	0.18
(1,1289)	1:431:A:VAL:HG12	1:453:A:TYR:HA	10	0.18
(1,1289)	1:431:A:VAL:HG13	1:453:A:TYR:HA	10	0.18
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD1	15	0.18
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD2	15	0.18
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD1	15	0.18
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD2	15	0.18
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD1	15	0.18
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD2	15	0.18
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD11	3	0.18
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD12	3	0.18
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD13	3	0.18
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD21	3	0.18
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD22	3	0.18
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD23	3	0.18
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD11	3	0.18
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD12	3	0.18
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD13	3	0.18
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD21	3	0.18
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD22	3	0.18
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD23	3	0.18
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD11	3	0.18
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD12	3	0.18
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD13	3	0.18
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD21	3	0.18
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD22	3	0.18
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD23	3	0.18
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG21	17	0.18
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG22	17	0.18
(1,1275)	1:463:A:ILE:HA	1:478:A:VAL:HG23	17	0.18
(1,1274)	1:467:A:ASN:HA	1:478:A:VAL:HG21	5	0.18
(1,1274)	1:467:A:ASN:HA	1:478:A:VAL:HG22	5	0.18
(1,1274)	1:467:A:ASN:HA	1:478:A:VAL:HG23	5	0.18
(1,1274)	1:467:A:ASN:HA	1:478:A:VAL:HG21	7	0.18
(1,1274)	1:467:A:ASN:HA	1:478:A:VAL:HG22	7	0.18
(1,1274)	1:467:A:ASN:HA	1:478:A:VAL:HG23	7	0.18
(1,1241)	1:407:A:LEU:HG	1:425:A:PHE:HE1	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1241)	1:407:A:LEU:HG	1:425:A:PHE:HE2	17	0.18
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	2	0.18
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	2	0.18
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	2	0.18
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	2	0.18
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	2	0.18
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	2	0.18
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	2	0.18
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	2	0.18
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	2	0.18
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	2	0.18
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	2	0.18
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	2	0.18
(1,1230)	1:402:A:PRO:HG2	1:455:A:ASN:HA	3	0.18
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	1	0.18
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	1	0.18
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	1	0.18
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	16	0.18
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	16	0.18
(1,1207)	1:421:A:ILE:HG12	1:425:A:PHE:HD1	19	0.18
(1,1207)	1:421:A:ILE:HG12	1:425:A:PHE:HD2	19	0.18
(1,1190)	1:481:A:LYS:HD3	1:482:A:ARG:HB3	9	0.18
(1,1168)	1:446:A:LYS:HA	1:489:A:PRO:HB2	20	0.18
(1,1168)	1:446:A:LYS:HA	1:489:A:PRO:HB3	20	0.18
(1,1161)	1:459:A:ALA:HA	1:461:A:ALA:H	10	0.18
(1,1160)	1:459:A:ALA:HA	1:462:A:ALA:H	1	0.18
(1,1159)	1:459:A:ALA:HA	1:461:A:ALA:HA	19	0.18
(1,1154)	1:461:A:ALA:HA	1:462:A:ALA:HA	2	0.18
(1,1154)	1:461:A:ALA:HA	1:462:A:ALA:HA	7	0.18
(1,1153)	1:461:A:ALA:HA	1:465:A:ALA:H	12	0.18
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG2	1	0.18
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG3	1	0.18
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG2	1	0.18
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG3	1	0.18
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG2	1	0.18
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG3	1	0.18
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG2	14	0.18
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG3	14	0.18
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG2	14	0.18
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG3	14	0.18
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG2	14	0.18
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG3	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1122)	1:408:A:PHE:HA	1:449:A:GLY:H	2	0.18
(1,1121)	1:410:A:TYR:HA	1:449:A:GLY:H	12	0.18
(1,1119)	1:464:A:GLN:HG2	1:465:A:ALA:H	20	0.18
(1,1119)	1:464:A:GLN:HG3	1:465:A:ALA:H	20	0.18
(1,1118)	1:423:A:GLN:HG3	1:424:A:MET:H	6	0.18
(1,1105)	1:463:A:ILE:HA	1:478:A:VAL:HB	5	0.18
(1,1098)	1:440:A:LYS:HA	1:442:A:THR:H	20	0.18
(1,1092)	1:445:A:SER:HA	1:488:A:LYS:HA	4	0.18
(1,1090)	1:419:A:GLN:HA	1:422:A:LEU:HB2	9	0.18
(1,1085)	1:403:A:GLU:HG2	1:404:A:GLY:H	18	0.18
(1,1084)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	16	0.18
(1,1081)	1:422:A:LEU:HD11	1:423:A:GLN:HA	2	0.18
(1,1081)	1:422:A:LEU:HD12	1:423:A:GLN:HA	2	0.18
(1,1081)	1:422:A:LEU:HD13	1:423:A:GLN:HA	2	0.18
(1,1081)	1:422:A:LEU:HD21	1:423:A:GLN:HA	2	0.18
(1,1081)	1:422:A:LEU:HD22	1:423:A:GLN:HA	2	0.18
(1,1081)	1:422:A:LEU:HD23	1:423:A:GLN:HA	2	0.18
(1,1079)	1:423:A:GLN:HA	1:426:A:MET:H	11	0.18
(1,1079)	1:423:A:GLN:HA	1:426:A:MET:H	13	0.18
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	16	0.18
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	16	0.18
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	16	0.18
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	16	0.18
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	16	0.18
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	16	0.18
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	16	0.18
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	16	0.18
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	16	0.18
(1,1035)	1:463:A:ILE:HD11	1:464:A:GLN:H	4	0.18
(1,1035)	1:463:A:ILE:HD12	1:464:A:GLN:H	4	0.18
(1,1035)	1:463:A:ILE:HD13	1:464:A:GLN:H	4	0.18
(1,1010)	1:425:A:PHE:HB2	1:453:A:TYR:HE1	4	0.18
(1,1010)	1:425:A:PHE:HB2	1:453:A:TYR:HE2	4	0.18
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	1	0.18
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	1	0.18
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	1	0.18
(1,999)	1:467:A:ASN:HB2	1:468:A:GLY:H	15	0.18
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE1	20	0.18
(1,992)	1:409:A:ILE:HD11	1:425:A:PHE:HE2	20	0.18
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE1	20	0.18
(1,992)	1:409:A:ILE:HD12	1:425:A:PHE:HE2	20	0.18
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE1	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,992)	1:409:A:ILE:HD13	1:425:A:PHE:HE2	20	0.18
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD11	18	0.18
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD12	18	0.18
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD13	18	0.18
(1,980)	1:471:A:ILE:HB	1:472:A:GLY:H	15	0.18
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG21	1	0.18
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG22	1	0.18
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG23	1	0.18
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG21	5	0.18
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG22	5	0.18
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG23	5	0.18
(1,959)	1:432:A:ILE:HG21	1:454:A:ASP:H	9	0.18
(1,959)	1:432:A:ILE:HG22	1:454:A:ASP:H	9	0.18
(1,959)	1:432:A:ILE:HG23	1:454:A:ASP:H	9	0.18
(1,958)	1:431:A:VAL:H	1:432:A:ILE:HG21	1	0.18
(1,958)	1:431:A:VAL:H	1:432:A:ILE:HG22	1	0.18
(1,958)	1:431:A:VAL:H	1:432:A:ILE:HG23	1	0.18
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB1	19	0.18
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB2	19	0.18
(1,950)	1:460:A:GLN:HB2	1:461:A:ALA:HB3	19	0.18
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB1	19	0.18
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB2	19	0.18
(1,950)	1:460:A:GLN:HB3	1:461:A:ALA:HB3	19	0.18
(1,942)	1:409:A:ILE:HB	1:449:A:GLY:H	19	0.18
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG2	1	0.18
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG3	1	0.18
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG2	1	0.18
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG3	1	0.18
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG2	1	0.18
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG3	1	0.18
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG2	14	0.18
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG3	14	0.18
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG2	14	0.18
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG3	14	0.18
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG2	14	0.18
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG3	14	0.18
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE1	19	0.18
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE2	19	0.18
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE3	19	0.18
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE1	19	0.18
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE2	19	0.18
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE3	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE1	19	0.18
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE2	19	0.18
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE3	19	0.18
(1,920)	1:402:A:PRO:HG3	1:455:A:ASN:HB2	9	0.18
(1,920)	1:402:A:PRO:HG3	1:455:A:ASN:HB2	12	0.18
(1,911)	1:435:A:LYS:HE2	1:436:A:VAL:H	5	0.18
(1,911)	1:435:A:LYS:HE3	1:436:A:VAL:H	5	0.18
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	1	0.18
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	1	0.18
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	1	0.18
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	1	0.18
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	1	0.18
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	1	0.18
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	1	0.18
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	1	0.18
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	1	0.18
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	10	0.18
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	10	0.18
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	10	0.18
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	10	0.18
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	10	0.18
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	10	0.18
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	10	0.18
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	10	0.18
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	10	0.18
(1,901)	1:462:A:ALA:HB1	1:465:A:ALA:H	17	0.18
(1,901)	1:462:A:ALA:HB2	1:465:A:ALA:H	17	0.18
(1,901)	1:462:A:ALA:HB3	1:465:A:ALA:H	17	0.18
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG21	17	0.18
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG22	17	0.18
(1,866)	1:463:A:ILE:HA	1:478:A:VAL:HG23	17	0.18
(1,861)	1:452:A:SER:HB2	1:453:A:TYR:H	9	0.18
(1,861)	1:452:A:SER:HB2	1:453:A:TYR:H	20	0.18
(1,854)	1:405:A:ALA:HB1	1:406:A:ASN:HD21	7	0.18
(1,854)	1:405:A:ALA:HB2	1:406:A:ASN:HD21	7	0.18
(1,854)	1:405:A:ALA:HB3	1:406:A:ASN:HD21	7	0.18
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	19	0.18
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	19	0.18
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	19	0.18
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB1	12	0.18
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB2	12	0.18
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB3	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB1	20	0.18
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB2	20	0.18
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB3	20	0.18
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB1	2	0.18
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB2	2	0.18
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB3	2	0.18
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB1	8	0.18
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB2	8	0.18
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB3	8	0.18
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB1	20	0.18
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB2	20	0.18
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB3	20	0.18
(1,799)	1:465:A:ALA:HB1	1:467:A:ASN:H	1	0.18
(1,799)	1:465:A:ALA:HB2	1:467:A:ASN:H	1	0.18
(1,799)	1:465:A:ALA:HB3	1:467:A:ASN:H	1	0.18
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	1	0.18
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	1	0.18
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	1	0.18
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	1	0.18
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	1	0.18
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	1	0.18
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	1	0.18
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	1	0.18
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	1	0.18
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	10	0.18
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	10	0.18
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	10	0.18
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	10	0.18
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	10	0.18
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	10	0.18
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	10	0.18
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	10	0.18
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	10	0.18
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG11	11	0.18
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG12	11	0.18
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG13	11	0.18
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG11	17	0.18
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG12	17	0.18
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG13	17	0.18
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	1	0.18
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	1	0.18
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	1	0.18
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	1	0.18
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	1	0.18
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	1	0.18
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	1	0.18
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	1	0.18
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	10	0.18
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	10	0.18
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	10	0.18
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	10	0.18
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	10	0.18
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	10	0.18
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	10	0.18
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	10	0.18
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	10	0.18
(1,776)	1:435:A:LYS:H	1:451:A:VAL:HG21	12	0.18
(1,776)	1:435:A:LYS:H	1:451:A:VAL:HG22	12	0.18
(1,776)	1:435:A:LYS:H	1:451:A:VAL:HG23	12	0.18
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	14	0.18
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	14	0.18
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	14	0.18
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	14	0.18
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	14	0.18
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	14	0.18
(1,770)	1:457:A:VAL:HG11	1:458:A:SER:HB3	13	0.18
(1,770)	1:457:A:VAL:HG12	1:458:A:SER:HB3	13	0.18
(1,770)	1:457:A:VAL:HG13	1:458:A:SER:HB3	13	0.18
(1,770)	1:457:A:VAL:HG21	1:458:A:SER:HB3	13	0.18
(1,770)	1:457:A:VAL:HG22	1:458:A:SER:HB3	13	0.18
(1,770)	1:457:A:VAL:HG23	1:458:A:SER:HB3	13	0.18
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG11	5	0.18
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG12	5	0.18
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG13	5	0.18
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG21	5	0.18
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG22	5	0.18
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG23	5	0.18
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG11	10	0.18
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG12	10	0.18
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG13	10	0.18
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG21	10	0.18
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG22	10	0.18
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG23	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG11	18	0.18
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG12	18	0.18
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG13	18	0.18
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG21	18	0.18
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG22	18	0.18
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG23	18	0.18
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE1	10	0.18
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE2	10	0.18
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE3	10	0.18
(1,736)	1:426:A:MET:H	1:431:A:VAL:HG11	11	0.18
(1,736)	1:426:A:MET:H	1:431:A:VAL:HG12	11	0.18
(1,736)	1:426:A:MET:H	1:431:A:VAL:HG13	11	0.18
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	14	0.18
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	14	0.18
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	14	0.18
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	20	0.18
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	20	0.18
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	20	0.18
(1,729)	1:407:A:LEU:HB2	1:408:A:PHE:H	6	0.18
(1,729)	1:407:A:LEU:HB2	1:408:A:PHE:H	19	0.18
(1,729)	1:407:A:LEU:HB2	1:408:A:PHE:H	20	0.18
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD1	13	0.18
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD2	13	0.18
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG21	19	0.18
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG22	19	0.18
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG23	19	0.18
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	10	0.18
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	10	0.18
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	10	0.18
(1,684)	1:399:A:LYS:HG2	1:400:A:GLU:H	3	0.18
(1,684)	1:399:A:LYS:HG3	1:400:A:GLU:H	3	0.18
(1,670)	1:480:A:LEU:H	1:480:A:LEU:HG	8	0.18
(1,669)	1:444:A:LEU:HG	1:445:A:SER:H	17	0.18
(1,668)	1:473:A:MET:HG2	1:474:A:LYS:HG3	9	0.18
(1,668)	1:473:A:MET:HG2	1:474:A:LYS:HG3	10	0.18
(1,667)	1:473:A:MET:HG2	1:474:A:LYS:HG2	1	0.18
(1,658)	1:480:A:LEU:H	1:480:A:LEU:HG	8	0.18
(1,647)	1:407:A:LEU:HD11	1:408:A:PHE:H	3	0.18
(1,647)	1:407:A:LEU:HD12	1:408:A:PHE:H	3	0.18
(1,647)	1:407:A:LEU:HD13	1:408:A:PHE:H	3	0.18
(1,647)	1:407:A:LEU:HD21	1:408:A:PHE:H	3	0.18
(1,647)	1:407:A:LEU:HD22	1:408:A:PHE:H	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:407:A:LEU:HD23	1:408:A:PHE:H	3	0.18
(1,641)	1:466:A:MET:HB2	1:476:A:LEU:HG	16	0.18
(1,641)	1:466:A:MET:HB3	1:476:A:LEU:HG	16	0.18
(1,638)	1:413:A:PRO:HD2	1:476:A:LEU:HG	15	0.18
(1,638)	1:413:A:PRO:HD3	1:476:A:LEU:HG	15	0.18
(1,635)	1:469:A:PHE:HD1	1:476:A:LEU:HG	19	0.18
(1,635)	1:469:A:PHE:HD2	1:476:A:LEU:HG	19	0.18
(1,630)	1:401:A:GLY:H	1:402:A:PRO:HD2	15	0.18
(1,630)	1:401:A:GLY:H	1:402:A:PRO:HD2	19	0.18
(1,626)	1:401:A:GLY:H	1:402:A:PRO:HD3	16	0.18
(1,612)	1:407:A:LEU:HG	1:451:A:VAL:H	7	0.18
(1,608)	1:410:A:TYR:HA	1:411:A:HIS:HB2	15	0.18
(1,595)	1:439:A:ASP:HB3	1:442:A:THR:H	14	0.18
(1,592)	1:409:A:ILE:HG21	1:449:A:GLY:H	10	0.18
(1,592)	1:409:A:ILE:HG22	1:449:A:GLY:H	10	0.18
(1,592)	1:409:A:ILE:HG23	1:449:A:GLY:H	10	0.18
(1,590)	1:410:A:TYR:HA	1:449:A:GLY:H	12	0.18
(1,580)	1:401:A:GLY:H	1:406:A:ASN:HD21	3	0.18
(1,580)	1:401:A:GLY:H	1:406:A:ASN:HD21	13	0.18
(1,580)	1:401:A:GLY:H	1:406:A:ASN:HD21	18	0.18
(1,578)	1:401:A:GLY:H	1:402:A:PRO:HD2	15	0.18
(1,578)	1:401:A:GLY:H	1:402:A:PRO:HD2	19	0.18
(1,572)	1:414:A:GLN:HE21	1:472:A:GLY:HA2	11	0.18
(1,570)	1:419:A:GLN:HE21	1:420:A:ASP:H	19	0.18
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE1	10	0.18
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE2	10	0.18
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE3	10	0.18
(1,544)	1:432:A:ILE:HG21	1:454:A:ASP:H	9	0.18
(1,544)	1:432:A:ILE:HG22	1:454:A:ASP:H	9	0.18
(1,544)	1:432:A:ILE:HG23	1:454:A:ASP:H	9	0.18
(1,539)	1:453:A:TYR:HB2	1:454:A:ASP:H	13	0.18
(1,537)	1:430:A:ASN:HA	1:454:A:ASP:H	10	0.18
(1,530)	1:417:A:GLY:H	1:421:A:ILE:H	9	0.18
(1,523)	1:431:A:VAL:HG21	1:433:A:SER:H	5	0.18
(1,523)	1:431:A:VAL:HG22	1:433:A:SER:H	5	0.18
(1,523)	1:431:A:VAL:HG23	1:433:A:SER:H	5	0.18
(1,517)	1:430:A:ASN:HD22	1:431:A:VAL:H	18	0.18
(1,506)	1:453:A:TYR:H	1:455:A:ASN:H	18	0.18
(1,497)	1:454:A:ASP:HB3	1:455:A:ASN:HD22	14	0.18
(1,497)	1:454:A:ASP:HB3	1:455:A:ASN:HD22	16	0.18
(1,492)	1:415:A:GLU:H	1:416:A:PHE:HB2	8	0.18
(1,480)	1:444:A:LEU:HG	1:445:A:SER:H	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:444:A:LEU:H	1:445:A:SER:H	5	0.18
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD1	18	0.18
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD2	18	0.18
(1,460)	1:457:A:VAL:H	1:460:A:GLN:H	6	0.18
(1,451)	1:460:A:GLN:H	1:480:A:LEU:HG	16	0.18
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG21	6	0.18
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG22	6	0.18
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG23	6	0.18
(1,443)	1:417:A:GLY:H	1:421:A:ILE:H	9	0.18
(1,433)	1:463:A:ILE:HD11	1:464:A:GLN:H	4	0.18
(1,433)	1:463:A:ILE:HD12	1:464:A:GLN:H	4	0.18
(1,433)	1:463:A:ILE:HD13	1:464:A:GLN:H	4	0.18
(1,422)	1:464:A:GLN:HG2	1:465:A:ALA:H	20	0.18
(1,422)	1:464:A:GLN:HG3	1:465:A:ALA:H	20	0.18
(1,418)	1:440:A:LYS:HG2	1:441:A:GLN:H	15	0.18
(1,418)	1:440:A:LYS:HG3	1:441:A:GLN:H	15	0.18
(1,412)	1:441:A:GLN:H	1:443:A:ASN:H	18	0.18
(1,410)	1:420:A:ASP:H	1:421:A:ILE:HG21	7	0.18
(1,410)	1:420:A:ASP:H	1:421:A:ILE:HG22	7	0.18
(1,410)	1:420:A:ASP:H	1:421:A:ILE:HG23	7	0.18
(1,405)	1:471:A:ILE:HG12	1:472:A:GLY:H	9	0.18
(1,405)	1:471:A:ILE:HG13	1:472:A:GLY:H	9	0.18
(1,404)	1:471:A:ILE:HB	1:472:A:GLY:H	15	0.18
(1,390)	1:430:A:ASN:H	1:431:A:VAL:H	9	0.18
(1,381)	1:439:A:ASP:HB2	1:444:A:LEU:H	19	0.18
(1,376)	1:444:A:LEU:H	1:445:A:SER:H	5	0.18
(1,367)	1:468:A:GLY:H	1:469:A:PHE:HB2	5	0.18
(1,367)	1:468:A:GLY:H	1:469:A:PHE:HB2	17	0.18
(1,365)	1:467:A:ASN:HB2	1:468:A:GLY:H	15	0.18
(1,356)	1:461:A:ALA:H	1:463:A:ILE:H	13	0.18
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD11	18	0.18
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD12	18	0.18
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD13	18	0.18
(1,352)	1:407:A:LEU:HD11	1:408:A:PHE:H	3	0.18
(1,352)	1:407:A:LEU:HD12	1:408:A:PHE:H	3	0.18
(1,352)	1:407:A:LEU:HD13	1:408:A:PHE:H	3	0.18
(1,352)	1:407:A:LEU:HD21	1:408:A:PHE:H	3	0.18
(1,352)	1:407:A:LEU:HD22	1:408:A:PHE:H	3	0.18
(1,352)	1:407:A:LEU:HD23	1:408:A:PHE:H	3	0.18
(1,350)	1:407:A:LEU:HB2	1:408:A:PHE:H	6	0.18
(1,350)	1:407:A:LEU:HB2	1:408:A:PHE:H	19	0.18
(1,350)	1:407:A:LEU:HB2	1:408:A:PHE:H	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:465:A:ALA:HB1	1:467:A:ASN:H	1	0.18
(1,343)	1:465:A:ALA:HB2	1:467:A:ASN:H	1	0.18
(1,343)	1:465:A:ALA:HB3	1:467:A:ASN:H	1	0.18
(1,342)	1:467:A:ASN:H	1:478:A:VAL:HB	12	0.18
(1,323)	1:431:A:VAL:HG21	1:452:A:SER:H	8	0.18
(1,323)	1:431:A:VAL:HG22	1:452:A:SER:H	8	0.18
(1,323)	1:431:A:VAL:HG23	1:452:A:SER:H	8	0.18
(1,311)	1:470:A:GLN:HG2	1:475:A:ARG:H	4	0.18
(1,311)	1:470:A:GLN:HG3	1:475:A:ARG:H	4	0.18
(1,291)	1:435:A:LYS:HG3	1:450:A:PHE:H	18	0.18
(1,287)	1:436:A:VAL:HA	1:450:A:PHE:H	16	0.18
(1,284)	1:450:A:PHE:H	1:450:A:PHE:HE1	19	0.18
(1,284)	1:450:A:PHE:H	1:450:A:PHE:HE2	19	0.18
(1,279)	1:458:A:SER:HB3	1:459:A:ALA:H	1	0.18
(1,279)	1:458:A:SER:HB3	1:459:A:ALA:H	2	0.18
(1,269)	1:455:A:ASN:HD21	1:457:A:VAL:H	9	0.18
(1,269)	1:455:A:ASN:HD21	1:457:A:VAL:H	12	0.18
(1,263)	1:408:A:PHE:HD1	1:409:A:ILE:H	16	0.18
(1,263)	1:408:A:PHE:HD2	1:409:A:ILE:H	16	0.18
(1,259)	1:435:A:LYS:H	1:450:A:PHE:HD1	10	0.18
(1,259)	1:435:A:LYS:H	1:450:A:PHE:HD2	10	0.18
(1,251)	1:452:A:SER:HB2	1:453:A:TYR:H	9	0.18
(1,251)	1:452:A:SER:HB2	1:453:A:TYR:H	20	0.18
(1,244)	1:399:A:LYS:HD2	1:400:A:GLU:H	15	0.18
(1,244)	1:399:A:LYS:HD3	1:400:A:GLU:H	15	0.18
(1,243)	1:400:A:GLU:H	1:401:A:GLY:H	20	0.18
(1,242)	1:399:A:LYS:HG2	1:400:A:GLU:H	3	0.18
(1,242)	1:399:A:LYS:HG3	1:400:A:GLU:H	3	0.18
(1,214)	1:459:A:ALA:HA	1:462:A:ALA:H	1	0.18
(1,210)	1:418:A:ASP:H	1:420:A:ASP:HB2	15	0.18
(1,199)	1:436:A:VAL:H	1:437:A:PHE:HD1	1	0.18
(1,199)	1:436:A:VAL:H	1:437:A:PHE:HD2	1	0.18
(1,187)	1:460:A:GLN:HG2	1:461:A:ALA:H	14	0.18
(1,187)	1:460:A:GLN:HG3	1:461:A:ALA:H	14	0.18
(1,186)	1:459:A:ALA:HA	1:461:A:ALA:H	10	0.18
(1,185)	1:461:A:ALA:H	1:463:A:ILE:H	13	0.18
(1,181)	1:418:A:ASP:HB2	1:422:A:LEU:H	18	0.18
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD2	7	0.18
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD3	7	0.18
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD2	8	0.18
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD3	8	0.18
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD2	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD3	9	0.18
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD2	16	0.18
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD3	16	0.18
(1,167)	1:480:A:LEU:H	1:480:A:LEU:HG	8	0.18
(1,163)	1:463:A:ILE:HB	1:480:A:LEU:H	17	0.18
(1,161)	1:480:A:LEU:H	1:481:A:LYS:H	10	0.18
(1,161)	1:480:A:LEU:H	1:481:A:LYS:H	19	0.18
(1,150)	1:407:A:LEU:H	1:409:A:ILE:H	6	0.18
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE1	1	0.18
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE2	1	0.18
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE1	18	0.18
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE2	18	0.18
(1,127)	1:466:A:MET:HA	1:469:A:PHE:H	1	0.18
(1,117)	1:489:A:PRO:HG2	1:490:A:TYR:H	3	0.18
(1,107)	1:410:A:TYR:H	1:477:A:LYS:H	7	0.18
(1,107)	1:410:A:TYR:H	1:477:A:LYS:H	19	0.18
(1,72)	1:414:A:GLN:H	1:415:A:GLU:HB3	12	0.18
(1,72)	1:414:A:GLN:H	1:415:A:GLU:HB3	17	0.18
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG21	4	0.18
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG22	4	0.18
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG23	4	0.18
(1,49)	1:439:A:ASP:H	1:444:A:LEU:HB3	5	0.18
(1,38)	1:466:A:MET:HB2	1:478:A:VAL:H	1	0.18
(1,38)	1:466:A:MET:HB3	1:478:A:VAL:H	1	0.18
(1,22)	1:423:A:GLN:HA	1:426:A:MET:H	11	0.18
(1,22)	1:423:A:GLN:HA	1:426:A:MET:H	13	0.18
(1,13)	1:432:A:ILE:H	1:454:A:ASP:H	2	0.18
(1,13)	1:432:A:ILE:H	1:454:A:ASP:H	19	0.18
(1,9)	1:431:A:VAL:H	1:432:A:ILE:H	10	0.18
(1,9)	1:431:A:VAL:H	1:432:A:ILE:H	16	0.18
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	2	0.17
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	2	0.17
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	2	0.17
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	2	0.17
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	2	0.17
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	2	0.17
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	4	0.17
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	4	0.17
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	4	0.17
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	4	0.17
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	4	0.17
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1602)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	9	0.17
(1,1602)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	9	0.17
(1,1602)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	9	0.17
(1,1602)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	9	0.17
(1,1602)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	9	0.17
(1,1602)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	9	0.17
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE1	3	0.17
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE2	3	0.17
(1,1588)	1:411:A:HIS:H	1:411:A:HIS:HD2	2	0.17
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD1	14	0.17
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD2	14	0.17
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD1	18	0.17
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD2	18	0.17
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB1	13	0.17
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB2	13	0.17
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB3	13	0.17
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB1	13	0.17
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB2	13	0.17
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB3	13	0.17
(1,1568)	1:428:A:PHE:HE1	1:462:A:ALA:HA	1	0.17
(1,1568)	1:428:A:PHE:HE2	1:462:A:ALA:HA	1	0.17
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE1	4	0.17
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE2	4	0.17
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE1	20	0.17
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE2	20	0.17
(1,1555)	1:428:A:PHE:H	1:428:A:PHE:HE1	3	0.17
(1,1555)	1:428:A:PHE:H	1:428:A:PHE:HE2	3	0.17
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	13	0.17
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	13	0.17
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	13	0.17
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	13	0.17
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	13	0.17
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	13	0.17
(1,1535)	1:410:A:TYR:HD1	1:448:A:PHE:HB2	18	0.17
(1,1535)	1:410:A:TYR:HD1	1:448:A:PHE:HB3	18	0.17
(1,1535)	1:410:A:TYR:HD2	1:448:A:PHE:HB2	18	0.17
(1,1535)	1:410:A:TYR:HD2	1:448:A:PHE:HB3	18	0.17
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE1	11	0.17
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE2	11	0.17
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	11	0.17
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	11	0.17
(1,1515)	1:409:A:ILE:HG12	1:421:A:ILE:HD11	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1515)	1:409:A:ILE:HG12	1:421:A:ILE:HD12	12	0.17
(1,1515)	1:409:A:ILE:HG12	1:421:A:ILE:HD13	12	0.17
(1,1506)	1:426:A:MET:HE1	1:430:A:ASN:HA	9	0.17
(1,1506)	1:426:A:MET:HE2	1:430:A:ASN:HA	9	0.17
(1,1506)	1:426:A:MET:HE3	1:430:A:ASN:HA	9	0.17
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB2	20	0.17
(1,1499)	1:439:A:ASP:HA	1:440:A:LYS:HB3	20	0.17
(1,1493)	1:455:A:ASN:HB3	1:457:A:VAL:HB	9	0.17
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG21	3	0.17
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG22	3	0.17
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG23	3	0.17
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG21	3	0.17
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG22	3	0.17
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG23	3	0.17
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG21	11	0.17
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG22	11	0.17
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG23	11	0.17
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG21	11	0.17
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG22	11	0.17
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG23	11	0.17
(1,1469)	1:483:A:SER:HB2	1:484:A:LYS:HA	12	0.17
(1,1469)	1:483:A:SER:HB3	1:484:A:LYS:HA	12	0.17
(1,1467)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	20	0.17
(1,1456)	1:440:A:LYS:HB2	1:441:A:GLN:HG2	18	0.17
(1,1456)	1:440:A:LYS:HB3	1:441:A:GLN:HG2	18	0.17
(1,1452)	1:432:A:ILE:HG21	1:433:A:SER:HA	8	0.17
(1,1452)	1:432:A:ILE:HG22	1:433:A:SER:HA	8	0.17
(1,1452)	1:432:A:ILE:HG23	1:433:A:SER:HA	8	0.17
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD11	14	0.17
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD12	14	0.17
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD13	14	0.17
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD11	17	0.17
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD12	17	0.17
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD13	17	0.17
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG21	1	0.17
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG22	1	0.17
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG23	1	0.17
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	6	0.17
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	6	0.17
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	6	0.17
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	6	0.17
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	6	0.17
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	15	0.17
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	15	0.17
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	15	0.17
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	15	0.17
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	15	0.17
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	15	0.17
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD11	4	0.17
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD12	4	0.17
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD13	4	0.17
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD11	4	0.17
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD12	4	0.17
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD13	4	0.17
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD11	4	0.17
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD12	4	0.17
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD13	4	0.17
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD11	4	0.17
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD12	4	0.17
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD13	4	0.17
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD11	4	0.17
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD12	4	0.17
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD13	4	0.17
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD11	4	0.17
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD12	4	0.17
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD13	4	0.17
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	3	0.17
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	3	0.17
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	3	0.17
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	3	0.17
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	3	0.17
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	3	0.17
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	3	0.17
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	3	0.17
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	3	0.17
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	3	0.17
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	3	0.17
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	3	0.17
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	3	0.17
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	3	0.17
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	3	0.17
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	3	0.17
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	3	0.17
(1,1406)	1:435:A:LYS:HB2	1:437:A:PHE:HB2	15	0.17
(1,1406)	1:435:A:LYS:HB3	1:437:A:PHE:HB2	15	0.17
(1,1406)	1:435:A:LYS:HB2	1:437:A:PHE:HB2	18	0.17
(1,1406)	1:435:A:LYS:HB3	1:437:A:PHE:HB2	18	0.17
(1,1405)	1:435:A:LYS:HB2	1:437:A:PHE:HB3	14	0.17
(1,1405)	1:435:A:LYS:HB3	1:437:A:PHE:HB3	14	0.17
(1,1404)	1:420:A:ASP:HB2	1:423:A:GLN:HA	16	0.17
(1,1393)	1:432:A:ILE:HG21	1:433:A:SER:HB2	12	0.17
(1,1393)	1:432:A:ILE:HG22	1:433:A:SER:HB2	12	0.17
(1,1393)	1:432:A:ILE:HG23	1:433:A:SER:HB2	12	0.17
(1,1387)	1:409:A:ILE:HB	1:449:A:GLY:HA3	15	0.17
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	8	0.17
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	8	0.17
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	8	0.17
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	8	0.17
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	8	0.17
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	8	0.17
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	8	0.17
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	8	0.17
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	8	0.17
(1,1376)	1:411:A:HIS:HB2	1:474:A:LYS:HE2	20	0.17
(1,1376)	1:411:A:HIS:HB2	1:474:A:LYS:HE3	20	0.17
(1,1356)	1:482:A:ARG:HD2	1:483:A:SER:HA	9	0.17
(1,1356)	1:482:A:ARG:HD3	1:483:A:SER:HA	9	0.17
(1,1350)	1:474:A:LYS:HD2	1:475:A:ARG:HD3	12	0.17
(1,1350)	1:474:A:LYS:HD3	1:475:A:ARG:HD3	12	0.17
(1,1348)	1:475:A:ARG:HA	1:475:A:ARG:HD2	20	0.17
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	6	0.17
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	6	0.17
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	6	0.17
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB1	15	0.17
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB2	15	0.17
(1,1340)	1:402:A:PRO:HD2	1:405:A:ALA:HB3	15	0.17
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	8	0.17
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	8	0.17
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	8	0.17
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	8	0.17
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	8	0.17
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	8	0.17
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	8	0.17
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	8	0.17
(1,1326)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	9	0.17
(1,1326)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	9	0.17
(1,1326)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	9	0.17
(1,1326)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	9	0.17
(1,1326)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	9	0.17
(1,1326)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	9	0.17
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB1	18	0.17
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB2	18	0.17
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB3	18	0.17
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	2	0.17
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	2	0.17
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	2	0.17
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	2	0.17
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	2	0.17
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	2	0.17
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	4	0.17
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	4	0.17
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	4	0.17
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	4	0.17
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	4	0.17
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	4	0.17
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG21	1	0.17
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG22	1	0.17
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG23	1	0.17
(1,1298)	1:421:A:ILE:HG12	1:436:A:VAL:HG21	8	0.17
(1,1298)	1:421:A:ILE:HG12	1:436:A:VAL:HG22	8	0.17
(1,1298)	1:421:A:ILE:HG12	1:436:A:VAL:HG23	8	0.17
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG21	10	0.17
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG22	10	0.17
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG23	10	0.17
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	20	0.17
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	20	0.17
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	20	0.17
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	20	0.17
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	20	0.17
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	20	0.17
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	20	0.17
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	20	0.17
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	20	0.17
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	20	0.17
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	20	0.17
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	20	0.17
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	20	0.17
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	20	0.17
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	20	0.17
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	20	0.17
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	20	0.17
(1,1266)	1:412:A:LEU:HD11	1:413:A:PRO:HB2	16	0.17
(1,1266)	1:412:A:LEU:HD11	1:413:A:PRO:HB3	16	0.17
(1,1266)	1:412:A:LEU:HD12	1:413:A:PRO:HB2	16	0.17
(1,1266)	1:412:A:LEU:HD12	1:413:A:PRO:HB3	16	0.17
(1,1266)	1:412:A:LEU:HD13	1:413:A:PRO:HB2	16	0.17
(1,1266)	1:412:A:LEU:HD13	1:413:A:PRO:HB3	16	0.17
(1,1266)	1:412:A:LEU:HD21	1:413:A:PRO:HB2	16	0.17
(1,1266)	1:412:A:LEU:HD21	1:413:A:PRO:HB3	16	0.17
(1,1266)	1:412:A:LEU:HD22	1:413:A:PRO:HB2	16	0.17
(1,1266)	1:412:A:LEU:HD22	1:413:A:PRO:HB3	16	0.17
(1,1266)	1:412:A:LEU:HD23	1:413:A:PRO:HB2	16	0.17
(1,1266)	1:412:A:LEU:HD23	1:413:A:PRO:HB3	16	0.17
(1,1266)	1:412:A:LEU:HD11	1:413:A:PRO:HB2	20	0.17
(1,1266)	1:412:A:LEU:HD11	1:413:A:PRO:HB3	20	0.17
(1,1266)	1:412:A:LEU:HD12	1:413:A:PRO:HB2	20	0.17
(1,1266)	1:412:A:LEU:HD12	1:413:A:PRO:HB3	20	0.17
(1,1266)	1:412:A:LEU:HD13	1:413:A:PRO:HB2	20	0.17
(1,1266)	1:412:A:LEU:HD13	1:413:A:PRO:HB3	20	0.17
(1,1266)	1:412:A:LEU:HD21	1:413:A:PRO:HB2	20	0.17
(1,1266)	1:412:A:LEU:HD21	1:413:A:PRO:HB3	20	0.17
(1,1266)	1:412:A:LEU:HD22	1:413:A:PRO:HB2	20	0.17
(1,1266)	1:412:A:LEU:HD22	1:413:A:PRO:HB3	20	0.17
(1,1266)	1:412:A:LEU:HD23	1:413:A:PRO:HB2	20	0.17
(1,1266)	1:412:A:LEU:HD23	1:413:A:PRO:HB3	20	0.17
(1,1255)	1:463:A:ILE:HD11	1:480:A:LEU:HG	5	0.17
(1,1255)	1:463:A:ILE:HD12	1:480:A:LEU:HG	5	0.17
(1,1255)	1:463:A:ILE:HD13	1:480:A:LEU:HG	5	0.17
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD1	20	0.17
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD2	20	0.17
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	18	0.17
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	18	0.17
(1,1196)	1:403:A:GLU:HB2	1:404:A:GLY:H	20	0.17
(1,1190)	1:481:A:LYS:HD3	1:482:A:ARG:HB3	18	0.17
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD11	7	0.17
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD12	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1187)	1:412:A:LEU:HA	1:471:A:ILE:HD13	7	0.17
(1,1185)	1:411:A:HIS:HA	1:412:A:LEU:HA	5	0.17
(1,1182)	1:432:A:ILE:HG21	1:454:A:ASP:HA	2	0.17
(1,1182)	1:432:A:ILE:HG22	1:454:A:ASP:HA	2	0.17
(1,1182)	1:432:A:ILE:HG23	1:454:A:ASP:HA	2	0.17
(1,1181)	1:479:A:GLN:HA	1:480:A:LEU:HG	7	0.17
(1,1161)	1:459:A:ALA:HA	1:461:A:ALA:H	5	0.17
(1,1157)	1:461:A:ALA:HA	1:464:A:GLN:H	10	0.17
(1,1154)	1:461:A:ALA:HA	1:462:A:ALA:HA	13	0.17
(1,1153)	1:461:A:ALA:HA	1:465:A:ALA:H	17	0.17
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB2	19	0.17
(1,1151)	1:425:A:PHE:HE1	1:466:A:MET:HB3	19	0.17
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB2	19	0.17
(1,1151)	1:425:A:PHE:HE2	1:466:A:MET:HB3	19	0.17
(1,1150)	1:466:A:MET:HG2	1:467:A:ASN:H	18	0.17
(1,1150)	1:466:A:MET:HG3	1:467:A:ASN:H	18	0.17
(1,1147)	1:424:A:MET:HG2	1:425:A:PHE:H	2	0.17
(1,1147)	1:424:A:MET:HG3	1:425:A:PHE:H	2	0.17
(1,1133)	1:407:A:LEU:H	1:452:A:SER:HA	11	0.17
(1,1116)	1:432:A:ILE:H	1:453:A:TYR:HA	1	0.17
(1,1115)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	20	0.17
(1,1098)	1:440:A:LYS:HA	1:442:A:THR:H	5	0.17
(1,1089)	1:419:A:GLN:HA	1:422:A:LEU:HB3	12	0.17
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD11	15	0.17
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD12	15	0.17
(1,1075)	1:402:A:PRO:HD3	1:432:A:ILE:HD13	15	0.17
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	18	0.17
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	18	0.17
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	18	0.17
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD11	14	0.17
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD12	14	0.17
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD13	14	0.17
(1,1035)	1:463:A:ILE:HD11	1:464:A:GLN:H	13	0.17
(1,1035)	1:463:A:ILE:HD12	1:464:A:GLN:H	13	0.17
(1,1035)	1:463:A:ILE:HD13	1:464:A:GLN:H	13	0.17
(1,1006)	1:425:A:PHE:HB3	1:426:A:MET:HE1	1	0.17
(1,1006)	1:425:A:PHE:HB3	1:426:A:MET:HE2	1	0.17
(1,1006)	1:425:A:PHE:HB3	1:426:A:MET:HE3	1	0.17
(1,991)	1:409:A:ILE:HD11	1:451:A:VAL:H	16	0.17
(1,991)	1:409:A:ILE:HD12	1:451:A:VAL:H	16	0.17
(1,991)	1:409:A:ILE:HD13	1:451:A:VAL:H	16	0.17
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD11	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD12	6	0.17
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD13	6	0.17
(1,983)	1:430:A:ASN:HB2	1:431:A:VAL:HA	6	0.17
(1,983)	1:430:A:ASN:HB3	1:431:A:VAL:HA	6	0.17
(1,983)	1:430:A:ASN:HB2	1:431:A:VAL:HA	8	0.17
(1,983)	1:430:A:ASN:HB3	1:431:A:VAL:HA	8	0.17
(1,983)	1:430:A:ASN:HB2	1:431:A:VAL:HA	10	0.17
(1,983)	1:430:A:ASN:HB3	1:431:A:VAL:HA	10	0.17
(1,980)	1:471:A:ILE:HB	1:472:A:GLY:H	5	0.17
(1,980)	1:471:A:ILE:HB	1:472:A:GLY:H	7	0.17
(1,980)	1:471:A:ILE:HB	1:472:A:GLY:H	10	0.17
(1,980)	1:471:A:ILE:HB	1:472:A:GLY:H	17	0.17
(1,976)	1:438:A:ILE:HG21	1:443:A:ASN:H	2	0.17
(1,976)	1:438:A:ILE:HG22	1:443:A:ASN:H	2	0.17
(1,976)	1:438:A:ILE:HG23	1:443:A:ASN:H	2	0.17
(1,976)	1:438:A:ILE:HG21	1:443:A:ASN:H	10	0.17
(1,976)	1:438:A:ILE:HG22	1:443:A:ASN:H	10	0.17
(1,976)	1:438:A:ILE:HG23	1:443:A:ASN:H	10	0.17
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG21	20	0.17
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG22	20	0.17
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG23	20	0.17
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG21	20	0.17
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG22	20	0.17
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG23	20	0.17
(1,959)	1:432:A:ILE:HG21	1:454:A:ASP:H	6	0.17
(1,959)	1:432:A:ILE:HG22	1:454:A:ASP:H	6	0.17
(1,959)	1:432:A:ILE:HG23	1:454:A:ASP:H	6	0.17
(1,945)	1:461:A:ALA:HB1	1:465:A:ALA:HB1	6	0.17
(1,945)	1:461:A:ALA:HB1	1:465:A:ALA:HB2	6	0.17
(1,945)	1:461:A:ALA:HB1	1:465:A:ALA:HB3	6	0.17
(1,945)	1:461:A:ALA:HB2	1:465:A:ALA:HB1	6	0.17
(1,945)	1:461:A:ALA:HB2	1:465:A:ALA:HB2	6	0.17
(1,945)	1:461:A:ALA:HB2	1:465:A:ALA:HB3	6	0.17
(1,945)	1:461:A:ALA:HB3	1:465:A:ALA:HB1	6	0.17
(1,945)	1:461:A:ALA:HB3	1:465:A:ALA:HB2	6	0.17
(1,945)	1:461:A:ALA:HB3	1:465:A:ALA:HB3	6	0.17
(1,935)	1:405:A:ALA:H	1:459:A:ALA:HB1	1	0.17
(1,935)	1:405:A:ALA:H	1:459:A:ALA:HB2	1	0.17
(1,935)	1:405:A:ALA:H	1:459:A:ALA:HB3	1	0.17
(1,912)	1:435:A:LYS:HE2	1:438:A:ILE:H	2	0.17
(1,912)	1:435:A:LYS:HE3	1:438:A:ILE:H	2	0.17
(1,912)	1:435:A:LYS:HE2	1:438:A:ILE:H	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,912)	1:435:A:LYS:HE3	1:438:A:ILE:H	10	0.17
(1,912)	1:435:A:LYS:HE2	1:438:A:ILE:H	20	0.17
(1,912)	1:435:A:LYS:HE3	1:438:A:ILE:H	20	0.17
(1,904)	1:451:A:VAL:HG11	1:462:A:ALA:HB1	10	0.17
(1,904)	1:451:A:VAL:HG11	1:462:A:ALA:HB2	10	0.17
(1,904)	1:451:A:VAL:HG11	1:462:A:ALA:HB3	10	0.17
(1,904)	1:451:A:VAL:HG12	1:462:A:ALA:HB1	10	0.17
(1,904)	1:451:A:VAL:HG12	1:462:A:ALA:HB2	10	0.17
(1,904)	1:451:A:VAL:HG12	1:462:A:ALA:HB3	10	0.17
(1,904)	1:451:A:VAL:HG13	1:462:A:ALA:HB1	10	0.17
(1,904)	1:451:A:VAL:HG13	1:462:A:ALA:HB2	10	0.17
(1,904)	1:451:A:VAL:HG13	1:462:A:ALA:HB3	10	0.17
(1,889)	1:439:A:ASP:HB2	1:444:A:LEU:HB3	8	0.17
(1,889)	1:439:A:ASP:HB2	1:444:A:LEU:HB3	19	0.17
(1,886)	1:433:A:SER:HB3	1:452:A:SER:H	8	0.17
(1,886)	1:433:A:SER:HB3	1:452:A:SER:H	19	0.17
(1,879)	1:453:A:TYR:HB3	1:455:A:ASN:H	16	0.17
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE1	18	0.17
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE2	18	0.17
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	18	0.17
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	18	0.17
(1,863)	1:417:A:GLY:HA3	1:419:A:GLN:H	20	0.17
(1,854)	1:405:A:ALA:HB1	1:406:A:ASN:HD21	12	0.17
(1,854)	1:405:A:ALA:HB2	1:406:A:ASN:HD21	12	0.17
(1,854)	1:405:A:ALA:HB3	1:406:A:ASN:HD21	12	0.17
(1,852)	1:405:A:ALA:HB1	1:455:A:ASN:H	12	0.17
(1,852)	1:405:A:ALA:HB2	1:455:A:ASN:H	12	0.17
(1,852)	1:405:A:ALA:HB3	1:455:A:ASN:H	12	0.17
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB1	9	0.17
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB2	9	0.17
(1,847)	1:401:A:GLY:H	1:405:A:ALA:HB3	9	0.17
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB1	12	0.17
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB2	12	0.17
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB3	12	0.17
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB1	13	0.17
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB2	13	0.17
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB3	13	0.17
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB1	15	0.17
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB2	15	0.17
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB3	15	0.17
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	11	0.17
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	11	0.17
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	11	0.17
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	11	0.17
(1,841)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	11	0.17
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	11	0.17
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	11	0.17
(1,841)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	11	0.17
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	13	0.17
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	13	0.17
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	13	0.17
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	13	0.17
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	13	0.17
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	13	0.17
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG11	11	0.17
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG12	11	0.17
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG13	11	0.17
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG11	17	0.17
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG12	17	0.17
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG13	17	0.17
(1,823)	1:436:A:VAL:HG11	1:450:A:PHE:H	13	0.17
(1,823)	1:436:A:VAL:HG12	1:450:A:PHE:H	13	0.17
(1,823)	1:436:A:VAL:HG13	1:450:A:PHE:H	13	0.17
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG11	11	0.17
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG12	11	0.17
(1,821)	1:434:A:ALA:HB1	1:451:A:VAL:HG13	11	0.17
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG11	11	0.17
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG12	11	0.17
(1,821)	1:434:A:ALA:HB2	1:451:A:VAL:HG13	11	0.17
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG11	11	0.17
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG12	11	0.17
(1,821)	1:434:A:ALA:HB3	1:451:A:VAL:HG13	11	0.17
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB1	18	0.17
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB2	18	0.17
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB3	18	0.17
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB1	10	0.17
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB2	10	0.17
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB3	10	0.17
(1,810)	1:434:A:ALA:HB1	1:452:A:SER:H	12	0.17
(1,810)	1:434:A:ALA:HB2	1:452:A:SER:H	12	0.17
(1,810)	1:434:A:ALA:HB3	1:452:A:SER:H	12	0.17
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB1	13	0.17
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB2	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB3	13	0.17
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG11	1	0.17
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG12	1	0.17
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG13	1	0.17
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	8	0.17
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	8	0.17
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	8	0.17
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	8	0.17
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	8	0.17
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	8	0.17
(1,791)	1:466:A:MET:H	1:478:A:VAL:HG11	7	0.17
(1,791)	1:466:A:MET:H	1:478:A:VAL:HG12	7	0.17
(1,791)	1:466:A:MET:H	1:478:A:VAL:HG13	7	0.17
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG11	7	0.17
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG12	7	0.17
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG13	7	0.17
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG11	12	0.17
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG12	12	0.17
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG13	12	0.17
(1,777)	1:451:A:VAL:HG21	1:453:A:TYR:H	15	0.17
(1,777)	1:451:A:VAL:HG22	1:453:A:TYR:H	15	0.17
(1,777)	1:451:A:VAL:HG23	1:453:A:TYR:H	15	0.17
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB2	1	0.17
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB3	1	0.17
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	1	0.17
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	1	0.17
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	1	0.17
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	1	0.17
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	1	0.17
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	1	0.17
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	2	0.17
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	2	0.17
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	2	0.17
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	2	0.17
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	2	0.17
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	2	0.17
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG11	6	0.17
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG12	6	0.17
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG13	6	0.17
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG21	6	0.17
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG22	6	0.17
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG23	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE1	6	0.17
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE2	6	0.17
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE3	6	0.17
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE1	13	0.17
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE2	13	0.17
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE3	13	0.17
(1,735)	1:431:A:VAL:HG11	1:451:A:VAL:HB	3	0.17
(1,735)	1:431:A:VAL:HG12	1:451:A:VAL:HB	3	0.17
(1,735)	1:431:A:VAL:HG13	1:451:A:VAL:HB	3	0.17
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD11	17	0.17
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD12	17	0.17
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD13	17	0.17
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD21	17	0.17
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD22	17	0.17
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD23	17	0.17
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD11	12	0.17
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD12	12	0.17
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD13	12	0.17
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD21	12	0.17
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD22	12	0.17
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD23	12	0.17
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	20	0.17
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	20	0.17
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	20	0.17
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	20	0.17
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	20	0.17
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	20	0.17
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	20	0.17
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	20	0.17
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	20	0.17
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	20	0.17
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	20	0.17
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	20	0.17
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	20	0.17
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	20	0.17
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	20	0.17
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	20	0.17
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	20	0.17
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	20	0.17
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	3	0.17
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	3	0.17
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	3	0.17
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	3	0.17
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	3	0.17
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	3	0.17
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	3	0.17
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	3	0.17
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	3	0.17
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	3	0.17
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	3	0.17
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	3	0.17
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	3	0.17
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	3	0.17
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	3	0.17
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	3	0.17
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	3	0.17
(1,704)	1:412:A:LEU:HD11	1:413:A:PRO:HB2	16	0.17
(1,704)	1:412:A:LEU:HD11	1:413:A:PRO:HB3	16	0.17
(1,704)	1:412:A:LEU:HD12	1:413:A:PRO:HB2	16	0.17
(1,704)	1:412:A:LEU:HD12	1:413:A:PRO:HB3	16	0.17
(1,704)	1:412:A:LEU:HD13	1:413:A:PRO:HB2	16	0.17
(1,704)	1:412:A:LEU:HD13	1:413:A:PRO:HB3	16	0.17
(1,704)	1:412:A:LEU:HD21	1:413:A:PRO:HB2	16	0.17
(1,704)	1:412:A:LEU:HD21	1:413:A:PRO:HB3	16	0.17
(1,704)	1:412:A:LEU:HD22	1:413:A:PRO:HB2	16	0.17
(1,704)	1:412:A:LEU:HD22	1:413:A:PRO:HB3	16	0.17
(1,704)	1:412:A:LEU:HD23	1:413:A:PRO:HB2	16	0.17
(1,704)	1:412:A:LEU:HD23	1:413:A:PRO:HB3	16	0.17
(1,704)	1:412:A:LEU:HD11	1:413:A:PRO:HB2	20	0.17
(1,704)	1:412:A:LEU:HD11	1:413:A:PRO:HB3	20	0.17
(1,704)	1:412:A:LEU:HD12	1:413:A:PRO:HB2	20	0.17
(1,704)	1:412:A:LEU:HD12	1:413:A:PRO:HB3	20	0.17
(1,704)	1:412:A:LEU:HD13	1:413:A:PRO:HB2	20	0.17
(1,704)	1:412:A:LEU:HD13	1:413:A:PRO:HB3	20	0.17
(1,704)	1:412:A:LEU:HD21	1:413:A:PRO:HB2	20	0.17
(1,704)	1:412:A:LEU:HD21	1:413:A:PRO:HB3	20	0.17
(1,704)	1:412:A:LEU:HD22	1:413:A:PRO:HB2	20	0.17
(1,704)	1:412:A:LEU:HD22	1:413:A:PRO:HB3	20	0.17
(1,704)	1:412:A:LEU:HD23	1:413:A:PRO:HB2	20	0.17
(1,704)	1:412:A:LEU:HD23	1:413:A:PRO:HB3	20	0.17
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD11	1	0.17
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD12	1	0.17
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD13	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD21	1	0.17
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD22	1	0.17
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD23	1	0.17
(1,684)	1:399:A:LYS:HG2	1:400:A:GLU:H	14	0.17
(1,684)	1:399:A:LYS:HG3	1:400:A:GLU:H	14	0.17
(1,670)	1:480:A:LEU:H	1:480:A:LEU:HG	15	0.17
(1,669)	1:444:A:LEU:HG	1:445:A:SER:H	1	0.17
(1,668)	1:473:A:MET:HG2	1:474:A:LYS:HG3	7	0.17
(1,668)	1:473:A:MET:HG2	1:474:A:LYS:HG3	18	0.17
(1,658)	1:480:A:LEU:H	1:480:A:LEU:HG	15	0.17
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	20	0.17
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	20	0.17
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	20	0.17
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	20	0.17
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	20	0.17
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	20	0.17
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	20	0.17
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	20	0.17
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	20	0.17
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	20	0.17
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	20	0.17
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	20	0.17
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	20	0.17
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	20	0.17
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	20	0.17
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	20	0.17
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	20	0.17
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	20	0.17
(1,647)	1:407:A:LEU:HD11	1:408:A:PHE:H	1	0.17
(1,647)	1:407:A:LEU:HD12	1:408:A:PHE:H	1	0.17
(1,647)	1:407:A:LEU:HD13	1:408:A:PHE:H	1	0.17
(1,647)	1:407:A:LEU:HD21	1:408:A:PHE:H	1	0.17
(1,647)	1:407:A:LEU:HD22	1:408:A:PHE:H	1	0.17
(1,647)	1:407:A:LEU:HD23	1:408:A:PHE:H	1	0.17
(1,647)	1:407:A:LEU:HD11	1:408:A:PHE:H	10	0.17
(1,647)	1:407:A:LEU:HD12	1:408:A:PHE:H	10	0.17
(1,647)	1:407:A:LEU:HD13	1:408:A:PHE:H	10	0.17
(1,647)	1:407:A:LEU:HD21	1:408:A:PHE:H	10	0.17
(1,647)	1:407:A:LEU:HD22	1:408:A:PHE:H	10	0.17
(1,647)	1:407:A:LEU:HD23	1:408:A:PHE:H	10	0.17
(1,643)	1:410:A:TYR:HB2	1:412:A:LEU:HG	1	0.17
(1,643)	1:410:A:TYR:HB2	1:412:A:LEU:HG	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,641)	1:466:A:MET:HB2	1:476:A:LEU:HG	5	0.17
(1,641)	1:466:A:MET:HB3	1:476:A:LEU:HG	5	0.17
(1,639)	1:469:A:PHE:HB3	1:476:A:LEU:HG	7	0.17
(1,639)	1:469:A:PHE:HB3	1:476:A:LEU:HG	12	0.17
(1,636)	1:425:A:PHE:HE1	1:476:A:LEU:HG	2	0.17
(1,636)	1:425:A:PHE:HE2	1:476:A:LEU:HG	2	0.17
(1,635)	1:469:A:PHE:HD1	1:476:A:LEU:HG	3	0.17
(1,635)	1:469:A:PHE:HD2	1:476:A:LEU:HG	3	0.17
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	18	0.17
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	18	0.17
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	18	0.17
(1,624)	1:402:A:PRO:HD2	1:403:A:GLU:HB2	9	0.17
(1,620)	1:411:A:HIS:HB2	1:474:A:LYS:HB2	15	0.17
(1,620)	1:411:A:HIS:HB2	1:474:A:LYS:HB3	15	0.17
(1,612)	1:407:A:LEU:HG	1:451:A:VAL:H	2	0.17
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG11	4	0.17
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG12	4	0.17
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG13	4	0.17
(1,596)	1:441:A:GLN:HG3	1:442:A:THR:H	9	0.17
(1,596)	1:441:A:GLN:HG3	1:442:A:THR:H	16	0.17
(1,596)	1:441:A:GLN:HG3	1:442:A:THR:H	17	0.17
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG21	10	0.17
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG22	10	0.17
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG23	10	0.17
(1,570)	1:419:A:GLN:HE21	1:420:A:ASP:H	4	0.17
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG21	3	0.17
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG22	3	0.17
(1,560)	1:425:A:PHE:H	1:451:A:VAL:HG23	3	0.17
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE1	6	0.17
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE2	6	0.17
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE3	6	0.17
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE1	13	0.17
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE2	13	0.17
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE3	13	0.17
(1,544)	1:432:A:ILE:HG21	1:454:A:ASP:H	6	0.17
(1,544)	1:432:A:ILE:HG22	1:454:A:ASP:H	6	0.17
(1,544)	1:432:A:ILE:HG23	1:454:A:ASP:H	6	0.17
(1,533)	1:417:A:GLY:H	1:420:A:ASP:HB3	11	0.17
(1,531)	1:416:A:PHE:H	1:417:A:GLY:H	15	0.17
(1,525)	1:433:A:SER:H	1:451:A:VAL:HG11	8	0.17
(1,525)	1:433:A:SER:H	1:451:A:VAL:HG12	8	0.17
(1,525)	1:433:A:SER:H	1:451:A:VAL:HG13	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,523)	1:431:A:VAL:HG21	1:433:A:SER:H	4	0.17
(1,523)	1:431:A:VAL:HG22	1:433:A:SER:H	4	0.17
(1,523)	1:431:A:VAL:HG23	1:433:A:SER:H	4	0.17
(1,513)	1:453:A:TYR:HB3	1:455:A:ASN:H	16	0.17
(1,497)	1:454:A:ASP:HB3	1:455:A:ASN:HD22	3	0.17
(1,497)	1:454:A:ASP:HB3	1:455:A:ASN:HD22	20	0.17
(1,492)	1:415:A:GLU:H	1:416:A:PHE:HB2	20	0.17
(1,484)	1:404:A:GLY:HA3	1:406:A:ASN:H	18	0.17
(1,480)	1:444:A:LEU:HG	1:445:A:SER:H	1	0.17
(1,473)	1:444:A:LEU:H	1:445:A:SER:H	1	0.17
(1,465)	1:422:A:LEU:HB3	1:423:A:GLN:H	13	0.17
(1,456)	1:457:A:VAL:HA	1:460:A:GLN:H	17	0.17
(1,434)	1:416:A:PHE:HB3	1:421:A:ILE:H	5	0.17
(1,433)	1:463:A:ILE:HD11	1:464:A:GLN:H	13	0.17
(1,433)	1:463:A:ILE:HD12	1:464:A:GLN:H	13	0.17
(1,433)	1:463:A:ILE:HD13	1:464:A:GLN:H	13	0.17
(1,425)	1:438:A:ILE:HB	1:443:A:ASN:H	12	0.17
(1,418)	1:440:A:LYS:HG2	1:441:A:GLN:H	1	0.17
(1,418)	1:440:A:LYS:HG3	1:441:A:GLN:H	1	0.17
(1,418)	1:440:A:LYS:HG2	1:441:A:GLN:H	6	0.17
(1,418)	1:440:A:LYS:HG3	1:441:A:GLN:H	6	0.17
(1,418)	1:440:A:LYS:HG2	1:441:A:GLN:H	14	0.17
(1,418)	1:440:A:LYS:HG3	1:441:A:GLN:H	14	0.17
(1,417)	1:439:A:ASP:HB2	1:441:A:GLN:H	15	0.17
(1,410)	1:420:A:ASP:H	1:421:A:ILE:HG21	3	0.17
(1,410)	1:420:A:ASP:H	1:421:A:ILE:HG22	3	0.17
(1,410)	1:420:A:ASP:H	1:421:A:ILE:HG23	3	0.17
(1,410)	1:420:A:ASP:H	1:421:A:ILE:HG21	15	0.17
(1,410)	1:420:A:ASP:H	1:421:A:ILE:HG22	15	0.17
(1,410)	1:420:A:ASP:H	1:421:A:ILE:HG23	15	0.17
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD11	3	0.17
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD12	3	0.17
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD13	3	0.17
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD21	3	0.17
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD22	3	0.17
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD23	3	0.17
(1,404)	1:471:A:ILE:HB	1:472:A:GLY:H	5	0.17
(1,404)	1:471:A:ILE:HB	1:472:A:GLY:H	7	0.17
(1,404)	1:471:A:ILE:HB	1:472:A:GLY:H	10	0.17
(1,404)	1:471:A:ILE:HB	1:472:A:GLY:H	17	0.17
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD1	1	0.17
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD2	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,381)	1:439:A:ASP:HB2	1:444:A:LEU:H	15	0.17
(1,379)	1:442:A:THR:HB	1:444:A:LEU:H	14	0.17
(1,379)	1:442:A:THR:HB	1:444:A:LEU:H	16	0.17
(1,376)	1:444:A:LEU:H	1:445:A:SER:H	1	0.17
(1,375)	1:439:A:ASP:H	1:444:A:LEU:H	20	0.17
(1,367)	1:468:A:GLY:H	1:469:A:PHE:HB2	18	0.17
(1,367)	1:468:A:GLY:H	1:469:A:PHE:HB2	19	0.17
(1,356)	1:461:A:ALA:H	1:463:A:ILE:H	16	0.17
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD11	6	0.17
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD12	6	0.17
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD13	6	0.17
(1,352)	1:407:A:LEU:HD11	1:408:A:PHE:H	1	0.17
(1,352)	1:407:A:LEU:HD12	1:408:A:PHE:H	1	0.17
(1,352)	1:407:A:LEU:HD13	1:408:A:PHE:H	1	0.17
(1,352)	1:407:A:LEU:HD21	1:408:A:PHE:H	1	0.17
(1,352)	1:407:A:LEU:HD22	1:408:A:PHE:H	1	0.17
(1,352)	1:407:A:LEU:HD23	1:408:A:PHE:H	1	0.17
(1,352)	1:407:A:LEU:HD11	1:408:A:PHE:H	10	0.17
(1,352)	1:407:A:LEU:HD12	1:408:A:PHE:H	10	0.17
(1,352)	1:407:A:LEU:HD13	1:408:A:PHE:H	10	0.17
(1,352)	1:407:A:LEU:HD21	1:408:A:PHE:H	10	0.17
(1,352)	1:407:A:LEU:HD22	1:408:A:PHE:H	10	0.17
(1,352)	1:407:A:LEU:HD23	1:408:A:PHE:H	10	0.17
(1,336)	1:464:A:GLN:HB2	1:467:A:ASN:H	11	0.17
(1,336)	1:464:A:GLN:HB3	1:467:A:ASN:H	11	0.17
(1,335)	1:466:A:MET:HG2	1:467:A:ASN:H	18	0.17
(1,335)	1:466:A:MET:HG3	1:467:A:ASN:H	18	0.17
(1,320)	1:434:A:ALA:HB1	1:452:A:SER:H	12	0.17
(1,320)	1:434:A:ALA:HB2	1:452:A:SER:H	12	0.17
(1,320)	1:434:A:ALA:HB3	1:452:A:SER:H	12	0.17
(1,303)	1:405:A:ALA:H	1:459:A:ALA:HB1	1	0.17
(1,303)	1:405:A:ALA:H	1:459:A:ALA:HB2	1	0.17
(1,303)	1:405:A:ALA:H	1:459:A:ALA:HB3	1	0.17
(1,299)	1:403:A:GLU:HA	1:405:A:ALA:H	4	0.17
(1,292)	1:436:A:VAL:HG11	1:450:A:PHE:H	13	0.17
(1,292)	1:436:A:VAL:HG12	1:450:A:PHE:H	13	0.17
(1,292)	1:436:A:VAL:HG13	1:450:A:PHE:H	13	0.17
(1,269)	1:455:A:ASN:HD21	1:457:A:VAL:H	1	0.17
(1,269)	1:455:A:ASN:HD21	1:457:A:VAL:H	10	0.17
(1,263)	1:408:A:PHE:HD1	1:409:A:ILE:H	6	0.17
(1,263)	1:408:A:PHE:HD2	1:409:A:ILE:H	6	0.17
(1,250)	1:451:A:VAL:HG21	1:453:A:TYR:H	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:451:A:VAL:HG22	1:453:A:TYR:H	15	0.17
(1,250)	1:451:A:VAL:HG23	1:453:A:TYR:H	15	0.17
(1,243)	1:400:A:GLU:H	1:401:A:GLY:H	10	0.17
(1,242)	1:399:A:LYS:HG2	1:400:A:GLU:H	14	0.17
(1,242)	1:399:A:LYS:HG3	1:400:A:GLU:H	14	0.17
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD11	8	0.17
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD12	8	0.17
(1,235)	1:438:A:ILE:H	1:438:A:ILE:HD13	8	0.17
(1,209)	1:418:A:ASP:H	1:420:A:ASP:HB3	14	0.17
(1,200)	1:416:A:PHE:H	1:417:A:GLY:H	15	0.17
(1,199)	1:436:A:VAL:H	1:437:A:PHE:HD1	2	0.17
(1,199)	1:436:A:VAL:H	1:437:A:PHE:HD2	2	0.17
(1,187)	1:460:A:GLN:HG2	1:461:A:ALA:H	5	0.17
(1,187)	1:460:A:GLN:HG3	1:461:A:ALA:H	5	0.17
(1,186)	1:459:A:ALA:HA	1:461:A:ALA:H	5	0.17
(1,185)	1:461:A:ALA:H	1:463:A:ILE:H	16	0.17
(1,167)	1:480:A:LEU:H	1:480:A:LEU:HG	15	0.17
(1,161)	1:480:A:LEU:H	1:481:A:LYS:H	8	0.17
(1,157)	1:406:A:ASN:HB2	1:407:A:LEU:H	2	0.17
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE1	13	0.17
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE2	13	0.17
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB2	1	0.17
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB3	1	0.17
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG11	2	0.17
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG12	2	0.17
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG13	2	0.17
(1,107)	1:410:A:TYR:H	1:477:A:LYS:H	2	0.17
(1,104)	1:408:A:PHE:HB2	1:479:A:GLN:H	1	0.17
(1,66)	1:437:A:PHE:H	1:450:A:PHE:HD1	19	0.17
(1,66)	1:437:A:PHE:H	1:450:A:PHE:HD2	19	0.17
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG21	5	0.17
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG22	5	0.17
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG23	5	0.17
(1,49)	1:439:A:ASP:H	1:444:A:LEU:HB3	4	0.17
(1,44)	1:439:A:ASP:H	1:444:A:LEU:H	20	0.17
(1,42)	1:439:A:ASP:H	1:444:A:LEU:HG	8	0.17
(1,30)	1:440:A:LYS:H	1:441:A:GLN:HG3	7	0.17
(1,13)	1:432:A:ILE:H	1:454:A:ASP:H	16	0.17
(1,13)	1:432:A:ILE:H	1:454:A:ASP:H	20	0.17
(1,9)	1:431:A:VAL:H	1:432:A:ILE:H	12	0.17
(1,9)	1:431:A:VAL:H	1:432:A:ILE:H	19	0.17
(1,1605)	1:409:A:ILE:HA	1:410:A:TYR:HE1	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1605)	1:409:A:ILE:HA	1:410:A:TYR:HE2	7	0.16
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	17	0.16
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	17	0.16
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	17	0.16
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	17	0.16
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	17	0.16
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	17	0.16
(1,1598)	1:453:A:TYR:HE1	1:459:A:ALA:HA	16	0.16
(1,1598)	1:453:A:TYR:HE2	1:459:A:ALA:HA	16	0.16
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE1	2	0.16
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE2	2	0.16
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE1	10	0.16
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE2	10	0.16
(1,1587)	1:412:A:LEU:HG	1:416:A:PHE:HD1	2	0.16
(1,1587)	1:412:A:LEU:HG	1:416:A:PHE:HD2	2	0.16
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB1	3	0.16
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB2	3	0.16
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB3	3	0.16
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB1	3	0.16
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB2	3	0.16
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB3	3	0.16
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE1	11	0.16
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE2	11	0.16
(1,1555)	1:428:A:PHE:H	1:428:A:PHE:HE1	19	0.16
(1,1555)	1:428:A:PHE:H	1:428:A:PHE:HE2	19	0.16
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	11	0.16
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	11	0.16
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	11	0.16
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	11	0.16
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	11	0.16
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	11	0.16
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	6	0.16
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	6	0.16
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	6	0.16
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	6	0.16
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	6	0.16
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	6	0.16
(1,1536)	1:409:A:ILE:HG21	1:410:A:TYR:HD1	17	0.16
(1,1536)	1:409:A:ILE:HG21	1:410:A:TYR:HD2	17	0.16
(1,1536)	1:409:A:ILE:HG22	1:410:A:TYR:HD1	17	0.16
(1,1536)	1:409:A:ILE:HG22	1:410:A:TYR:HD2	17	0.16
(1,1536)	1:409:A:ILE:HG23	1:410:A:TYR:HD1	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1536)	1:409:A:ILE:HG23	1:410:A:TYR:HD2	17	0.16
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE1	15	0.16
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE2	15	0.16
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	15	0.16
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	15	0.16
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE1	18	0.16
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE2	18	0.16
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	18	0.16
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	18	0.16
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG21	12	0.16
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG22	12	0.16
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG23	12	0.16
(1,1504)	1:430:A:ASN:HA	1:453:A:TYR:HD1	3	0.16
(1,1504)	1:430:A:ASN:HA	1:453:A:TYR:HD2	3	0.16
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG21	12	0.16
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG22	12	0.16
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG23	12	0.16
(1,1477)	1:481:A:LYS:HA	1:481:A:LYS:HE2	16	0.16
(1,1477)	1:481:A:LYS:HA	1:481:A:LYS:HE3	16	0.16
(1,1469)	1:483:A:SER:HB2	1:484:A:LYS:HA	4	0.16
(1,1469)	1:483:A:SER:HB3	1:484:A:LYS:HA	4	0.16
(1,1456)	1:440:A:LYS:HB2	1:441:A:GLN:HG2	5	0.16
(1,1456)	1:440:A:LYS:HB3	1:441:A:GLN:HG2	5	0.16
(1,1452)	1:432:A:ILE:HG21	1:433:A:SER:HA	7	0.16
(1,1452)	1:432:A:ILE:HG22	1:433:A:SER:HA	7	0.16
(1,1452)	1:432:A:ILE:HG23	1:433:A:SER:HA	7	0.16
(1,1445)	1:436:A:VAL:HG11	1:437:A:PHE:HA	1	0.16
(1,1445)	1:436:A:VAL:HG12	1:437:A:PHE:HA	1	0.16
(1,1445)	1:436:A:VAL:HG13	1:437:A:PHE:HA	1	0.16
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	14	0.16
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	14	0.16
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	14	0.16
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG11	9	0.16
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG12	9	0.16
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG13	9	0.16
(1,1429)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	14	0.16
(1,1429)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	14	0.16
(1,1429)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	14	0.16
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	11	0.16
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	11	0.16
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	11	0.16
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	11	0.16
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	11	0.16
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	14	0.16
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	14	0.16
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	14	0.16
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	14	0.16
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	14	0.16
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	14	0.16
(1,1405)	1:435:A:LYS:HB2	1:437:A:PHE:HB3	4	0.16
(1,1405)	1:435:A:LYS:HB3	1:437:A:PHE:HB3	4	0.16
(1,1405)	1:435:A:LYS:HB2	1:437:A:PHE:HB3	10	0.16
(1,1405)	1:435:A:LYS:HB3	1:437:A:PHE:HB3	10	0.16
(1,1393)	1:432:A:ILE:HG21	1:433:A:SER:HB2	2	0.16
(1,1393)	1:432:A:ILE:HG22	1:433:A:SER:HB2	2	0.16
(1,1393)	1:432:A:ILE:HG23	1:433:A:SER:HB2	2	0.16
(1,1387)	1:409:A:ILE:HB	1:449:A:GLY:HA3	7	0.16
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB1	18	0.16
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB2	18	0.16
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB3	18	0.16
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB1	18	0.16
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB2	18	0.16
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB3	18	0.16
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB1	18	0.16
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB2	18	0.16
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB3	18	0.16
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB1	4	0.16
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB2	4	0.16
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB3	4	0.16
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD11	11	0.16
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD12	11	0.16
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD13	11	0.16
(1,1356)	1:482:A:ARG:HD2	1:483:A:SER:HA	1	0.16
(1,1356)	1:482:A:ARG:HD3	1:483:A:SER:HA	1	0.16
(1,1356)	1:482:A:ARG:HD2	1:483:A:SER:HA	18	0.16
(1,1356)	1:482:A:ARG:HD3	1:483:A:SER:HA	18	0.16
(1,1350)	1:474:A:LYS:HD2	1:475:A:ARG:HD3	1	0.16
(1,1350)	1:474:A:LYS:HD3	1:475:A:ARG:HD3	1	0.16
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	7	0.16
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	7	0.16
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	7	0.16
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	7	0.16
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	7	0.16
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	7	0.16
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	7	0.16
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	7	0.16
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	2	0.16
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	2	0.16
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	2	0.16
(1,1332)	1:431:A:VAL:HB	1:451:A:VAL:HG11	13	0.16
(1,1332)	1:431:A:VAL:HB	1:451:A:VAL:HG12	13	0.16
(1,1332)	1:431:A:VAL:HB	1:451:A:VAL:HG13	13	0.16
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	11	0.16
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	11	0.16
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	11	0.16
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	11	0.16
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	11	0.16
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	11	0.16
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG11	18	0.16
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG12	18	0.16
(1,1323)	1:435:A:LYS:HE2	1:436:A:VAL:HG13	18	0.16
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG11	18	0.16
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG12	18	0.16
(1,1323)	1:435:A:LYS:HE3	1:436:A:VAL:HG13	18	0.16
(1,1315)	1:429:A:GLY:HA3	1:430:A:ASN:HA	20	0.16
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	17	0.16
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	17	0.16
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	17	0.16
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	17	0.16
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	17	0.16
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	17	0.16
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	18	0.16
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	18	0.16
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	18	0.16
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	18	0.16
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	18	0.16
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	18	0.16
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	18	0.16
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	18	0.16
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	18	0.16
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG21	2	0.16
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG22	2	0.16
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG23	2	0.16
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG21	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG22	12	0.16
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG23	12	0.16
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG21	5	0.16
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG22	5	0.16
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG23	5	0.16
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD1	1	0.16
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD2	1	0.16
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD1	1	0.16
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD2	1	0.16
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD1	1	0.16
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD2	1	0.16
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD1	10	0.16
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD2	10	0.16
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD1	10	0.16
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD2	10	0.16
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD1	10	0.16
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD2	10	0.16
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG21	8	0.16
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG22	8	0.16
(1,1272)	1:408:A:PHE:HE1	1:478:A:VAL:HG23	8	0.16
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG21	8	0.16
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG22	8	0.16
(1,1272)	1:408:A:PHE:HE2	1:478:A:VAL:HG23	8	0.16
(1,1270)	1:462:A:ALA:HB1	1:478:A:VAL:HG21	4	0.16
(1,1270)	1:462:A:ALA:HB1	1:478:A:VAL:HG22	4	0.16
(1,1270)	1:462:A:ALA:HB1	1:478:A:VAL:HG23	4	0.16
(1,1270)	1:462:A:ALA:HB2	1:478:A:VAL:HG21	4	0.16
(1,1270)	1:462:A:ALA:HB2	1:478:A:VAL:HG22	4	0.16
(1,1270)	1:462:A:ALA:HB2	1:478:A:VAL:HG23	4	0.16
(1,1270)	1:462:A:ALA:HB3	1:478:A:VAL:HG21	4	0.16
(1,1270)	1:462:A:ALA:HB3	1:478:A:VAL:HG22	4	0.16
(1,1270)	1:462:A:ALA:HB3	1:478:A:VAL:HG23	4	0.16
(1,1269)	1:478:A:VAL:HG21	1:479:A:GLN:HA	2	0.16
(1,1269)	1:478:A:VAL:HG22	1:479:A:GLN:HA	2	0.16
(1,1269)	1:478:A:VAL:HG23	1:479:A:GLN:HA	2	0.16
(1,1269)	1:478:A:VAL:HG21	1:479:A:GLN:HA	9	0.16
(1,1269)	1:478:A:VAL:HG22	1:479:A:GLN:HA	9	0.16
(1,1269)	1:478:A:VAL:HG23	1:479:A:GLN:HA	9	0.16
(1,1269)	1:478:A:VAL:HG21	1:479:A:GLN:HA	12	0.16
(1,1269)	1:478:A:VAL:HG22	1:479:A:GLN:HA	12	0.16
(1,1269)	1:478:A:VAL:HG23	1:479:A:GLN:HA	12	0.16
(1,1256)	1:412:A:LEU:HG	1:421:A:ILE:HD11	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1256)	1:412:A:LEU:HG	1:421:A:ILE:HD12	18	0.16
(1,1256)	1:412:A:LEU:HG	1:421:A:ILE:HD13	18	0.16
(1,1255)	1:463:A:ILE:HD11	1:480:A:LEU:HG	6	0.16
(1,1255)	1:463:A:ILE:HD12	1:480:A:LEU:HG	6	0.16
(1,1255)	1:463:A:ILE:HD13	1:480:A:LEU:HG	6	0.16
(1,1243)	1:407:A:LEU:HG	1:459:A:ALA:HA	15	0.16
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB2	20	0.16
(1,1226)	1:463:A:ILE:HG21	1:464:A:GLN:HB3	20	0.16
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB2	20	0.16
(1,1226)	1:463:A:ILE:HG22	1:464:A:GLN:HB3	20	0.16
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB2	20	0.16
(1,1226)	1:463:A:ILE:HG23	1:464:A:GLN:HB3	20	0.16
(1,1218)	1:409:A:ILE:HG13	1:451:A:VAL:H	7	0.16
(1,1213)	1:414:A:GLN:HG2	1:415:A:GLU:HB3	10	0.16
(1,1213)	1:414:A:GLN:HG2	1:415:A:GLU:HB3	11	0.16
(1,1209)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	12	0.16
(1,1209)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	12	0.16
(1,1209)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	12	0.16
(1,1209)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	15	0.16
(1,1209)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	15	0.16
(1,1209)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	15	0.16
(1,1190)	1:481:A:LYS:HD3	1:482:A:ARG:HB3	1	0.16
(1,1190)	1:481:A:LYS:HD3	1:482:A:ARG:HB3	19	0.16
(1,1185)	1:411:A:HIS:HA	1:412:A:LEU:HA	14	0.16
(1,1182)	1:432:A:ILE:HG21	1:454:A:ASP:HA	10	0.16
(1,1182)	1:432:A:ILE:HG22	1:454:A:ASP:HA	10	0.16
(1,1182)	1:432:A:ILE:HG23	1:454:A:ASP:HA	10	0.16
(1,1173)	1:435:A:LYS:HA	1:436:A:VAL:HG11	12	0.16
(1,1173)	1:435:A:LYS:HA	1:436:A:VAL:HG12	12	0.16
(1,1173)	1:435:A:LYS:HA	1:436:A:VAL:HG13	12	0.16
(1,1165)	1:407:A:LEU:HG	1:459:A:ALA:HA	15	0.16
(1,1163)	1:453:A:TYR:HE1	1:459:A:ALA:HA	16	0.16
(1,1163)	1:453:A:TYR:HE2	1:459:A:ALA:HA	16	0.16
(1,1157)	1:461:A:ALA:HA	1:464:A:GLN:H	14	0.16
(1,1154)	1:461:A:ALA:HA	1:462:A:ALA:HA	4	0.16
(1,1154)	1:461:A:ALA:HA	1:462:A:ALA:HA	9	0.16
(1,1154)	1:461:A:ALA:HA	1:462:A:ALA:HA	10	0.16
(1,1154)	1:461:A:ALA:HA	1:462:A:ALA:HA	15	0.16
(1,1150)	1:466:A:MET:HG2	1:467:A:ASN:H	16	0.16
(1,1150)	1:466:A:MET:HG3	1:467:A:ASN:H	16	0.16
(1,1146)	1:438:A:ILE:HA	1:443:A:ASN:HA	15	0.16
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG2	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG3	2	0.16
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG2	2	0.16
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG3	2	0.16
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG2	2	0.16
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG3	2	0.16
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG2	3	0.16
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG3	3	0.16
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG2	3	0.16
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG3	3	0.16
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG2	3	0.16
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG3	3	0.16
(1,1133)	1:407:A:LEU:H	1:452:A:SER:HA	18	0.16
(1,1122)	1:408:A:PHE:HA	1:449:A:GLY:H	6	0.16
(1,1119)	1:464:A:GLN:HG2	1:465:A:ALA:H	3	0.16
(1,1119)	1:464:A:GLN:HG3	1:465:A:ALA:H	3	0.16
(1,1119)	1:464:A:GLN:HG2	1:465:A:ALA:H	9	0.16
(1,1119)	1:464:A:GLN:HG3	1:465:A:ALA:H	9	0.16
(1,1119)	1:464:A:GLN:HG2	1:465:A:ALA:H	10	0.16
(1,1119)	1:464:A:GLN:HG3	1:465:A:ALA:H	10	0.16
(1,1119)	1:464:A:GLN:HG2	1:465:A:ALA:H	18	0.16
(1,1119)	1:464:A:GLN:HG3	1:465:A:ALA:H	18	0.16
(1,1118)	1:423:A:GLN:HG3	1:424:A:MET:H	12	0.16
(1,1116)	1:432:A:ILE:H	1:453:A:TYR:HA	10	0.16
(1,1098)	1:440:A:LYS:HA	1:442:A:THR:H	3	0.16
(1,1098)	1:440:A:LYS:HA	1:442:A:THR:H	9	0.16
(1,1097)	1:441:A:GLN:HA	1:444:A:LEU:H	11	0.16
(1,1097)	1:441:A:GLN:HA	1:444:A:LEU:H	20	0.16
(1,1089)	1:419:A:GLN:HA	1:422:A:LEU:HB3	3	0.16
(1,1089)	1:419:A:GLN:HA	1:422:A:LEU:HB3	15	0.16
(1,1084)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	9	0.16
(1,1083)	1:403:A:GLU:HG3	1:404:A:GLY:H	11	0.16
(1,1079)	1:423:A:GLN:HA	1:426:A:MET:H	15	0.16
(1,1078)	1:414:A:GLN:HA	1:415:A:GLU:HG2	3	0.16
(1,1078)	1:414:A:GLN:HA	1:415:A:GLU:HG3	3	0.16
(1,1078)	1:414:A:GLN:HA	1:415:A:GLU:HG2	4	0.16
(1,1078)	1:414:A:GLN:HA	1:415:A:GLU:HG3	4	0.16
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD11	19	0.16
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD12	19	0.16
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD13	19	0.16
(1,1049)	1:412:A:LEU:HG	1:421:A:ILE:HD11	18	0.16
(1,1049)	1:412:A:LEU:HG	1:421:A:ILE:HD12	18	0.16
(1,1049)	1:412:A:LEU:HG	1:421:A:ILE:HD13	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	7	0.16
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	7	0.16
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	7	0.16
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	7	0.16
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	7	0.16
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	7	0.16
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	7	0.16
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	7	0.16
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	7	0.16
(1,1045)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	14	0.16
(1,1045)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	14	0.16
(1,1045)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	14	0.16
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG21	16	0.16
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG22	16	0.16
(1,1039)	1:463:A:ILE:HD11	1:478:A:VAL:HG23	16	0.16
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG21	16	0.16
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG22	16	0.16
(1,1039)	1:463:A:ILE:HD12	1:478:A:VAL:HG23	16	0.16
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG21	16	0.16
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG22	16	0.16
(1,1039)	1:463:A:ILE:HD13	1:478:A:VAL:HG23	16	0.16
(1,1035)	1:463:A:ILE:HD11	1:464:A:GLN:H	6	0.16
(1,1035)	1:463:A:ILE:HD12	1:464:A:GLN:H	6	0.16
(1,1035)	1:463:A:ILE:HD13	1:464:A:GLN:H	6	0.16
(1,1012)	1:462:A:ALA:H	1:463:A:ILE:HB	12	0.16
(1,997)	1:485:A:ASN:HB2	1:486:A:ASP:H	18	0.16
(1,980)	1:471:A:ILE:HB	1:472:A:GLY:H	2	0.16
(1,980)	1:471:A:ILE:HB	1:472:A:GLY:H	6	0.16
(1,980)	1:471:A:ILE:HB	1:472:A:GLY:H	19	0.16
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG21	3	0.16
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG22	3	0.16
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG23	3	0.16
(1,935)	1:405:A:ALA:H	1:459:A:ALA:HB1	10	0.16
(1,935)	1:405:A:ALA:H	1:459:A:ALA:HB2	10	0.16
(1,935)	1:405:A:ALA:H	1:459:A:ALA:HB3	10	0.16
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG2	2	0.16
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG3	2	0.16
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG2	2	0.16
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG3	2	0.16
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG2	2	0.16
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG3	2	0.16
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG2	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG3	3	0.16
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG2	3	0.16
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG3	3	0.16
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG2	3	0.16
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG3	3	0.16
(1,914)	1:435:A:LYS:HE2	1:450:A:PHE:HD1	4	0.16
(1,914)	1:435:A:LYS:HE2	1:450:A:PHE:HD2	4	0.16
(1,914)	1:435:A:LYS:HE3	1:450:A:PHE:HD1	4	0.16
(1,914)	1:435:A:LYS:HE3	1:450:A:PHE:HD2	4	0.16
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD1	2	0.16
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD2	2	0.16
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD1	2	0.16
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD2	2	0.16
(1,911)	1:435:A:LYS:HE2	1:436:A:VAL:H	11	0.16
(1,911)	1:435:A:LYS:HE3	1:436:A:VAL:H	11	0.16
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	2	0.16
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	2	0.16
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	2	0.16
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	2	0.16
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	2	0.16
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	2	0.16
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	2	0.16
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	2	0.16
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	2	0.16
(1,903)	1:462:A:ALA:HB1	1:478:A:VAL:HG21	4	0.16
(1,903)	1:462:A:ALA:HB1	1:478:A:VAL:HG22	4	0.16
(1,903)	1:462:A:ALA:HB1	1:478:A:VAL:HG23	4	0.16
(1,903)	1:462:A:ALA:HB2	1:478:A:VAL:HG21	4	0.16
(1,903)	1:462:A:ALA:HB2	1:478:A:VAL:HG22	4	0.16
(1,903)	1:462:A:ALA:HB2	1:478:A:VAL:HG23	4	0.16
(1,903)	1:462:A:ALA:HB3	1:478:A:VAL:HG21	4	0.16
(1,903)	1:462:A:ALA:HB3	1:478:A:VAL:HG22	4	0.16
(1,903)	1:462:A:ALA:HB3	1:478:A:VAL:HG23	4	0.16
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB1	4	0.16
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB2	4	0.16
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB3	4	0.16
(1,886)	1:433:A:SER:HB3	1:452:A:SER:H	15	0.16
(1,854)	1:405:A:ALA:HB1	1:406:A:ASN:HD21	2	0.16
(1,854)	1:405:A:ALA:HB2	1:406:A:ASN:HD21	2	0.16
(1,854)	1:405:A:ALA:HB3	1:406:A:ASN:HD21	2	0.16
(1,852)	1:405:A:ALA:HB1	1:455:A:ASN:H	5	0.16
(1,852)	1:405:A:ALA:HB2	1:455:A:ASN:H	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:405:A:ALA:HB3	1:455:A:ASN:H	5	0.16
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	2	0.16
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	2	0.16
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	2	0.16
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	6	0.16
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	6	0.16
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	6	0.16
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	6	0.16
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	6	0.16
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	6	0.16
(1,833)	1:449:A:GLY:HA3	1:450:A:PHE:HB2	10	0.16
(1,833)	1:449:A:GLY:HA3	1:450:A:PHE:HB2	14	0.16
(1,825)	1:435:A:LYS:HA	1:436:A:VAL:HG11	12	0.16
(1,825)	1:435:A:LYS:HA	1:436:A:VAL:HG12	12	0.16
(1,825)	1:435:A:LYS:HA	1:436:A:VAL:HG13	12	0.16
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB1	7	0.16
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB2	7	0.16
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB3	7	0.16
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB1	1	0.16
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB2	1	0.16
(1,808)	1:421:A:ILE:HG12	1:434:A:ALA:HB3	1	0.16
(1,799)	1:465:A:ALA:HB1	1:467:A:ASN:H	2	0.16
(1,799)	1:465:A:ALA:HB2	1:467:A:ASN:H	2	0.16
(1,799)	1:465:A:ALA:HB3	1:467:A:ASN:H	2	0.16
(1,799)	1:465:A:ALA:HB1	1:467:A:ASN:H	5	0.16
(1,799)	1:465:A:ALA:HB2	1:467:A:ASN:H	5	0.16
(1,799)	1:465:A:ALA:HB3	1:467:A:ASN:H	5	0.16
(1,799)	1:465:A:ALA:HB1	1:467:A:ASN:H	6	0.16
(1,799)	1:465:A:ALA:HB2	1:467:A:ASN:H	6	0.16
(1,799)	1:465:A:ALA:HB3	1:467:A:ASN:H	6	0.16
(1,799)	1:465:A:ALA:HB1	1:467:A:ASN:H	11	0.16
(1,799)	1:465:A:ALA:HB2	1:467:A:ASN:H	11	0.16
(1,799)	1:465:A:ALA:HB3	1:467:A:ASN:H	11	0.16
(1,799)	1:465:A:ALA:HB1	1:467:A:ASN:H	19	0.16
(1,799)	1:465:A:ALA:HB2	1:467:A:ASN:H	19	0.16
(1,799)	1:465:A:ALA:HB3	1:467:A:ASN:H	19	0.16
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	2	0.16
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	2	0.16
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	2	0.16
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	2	0.16
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	2	0.16
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	2	0.16
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	2	0.16
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	2	0.16
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	8	0.16
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	8	0.16
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	8	0.16
(1,782)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	12	0.16
(1,782)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	12	0.16
(1,782)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	12	0.16
(1,782)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	15	0.16
(1,782)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	15	0.16
(1,782)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	15	0.16
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG21	12	0.16
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG22	12	0.16
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG23	12	0.16
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB2	12	0.16
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB3	12	0.16
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	8	0.16
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	8	0.16
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG11	19	0.16
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG12	19	0.16
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG13	19	0.16
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG21	19	0.16
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG22	19	0.16
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG23	19	0.16
(1,749)	1:417:A:GLY:H	1:436:A:VAL:HG21	4	0.16
(1,749)	1:417:A:GLY:H	1:436:A:VAL:HG22	4	0.16
(1,749)	1:417:A:GLY:H	1:436:A:VAL:HG23	4	0.16
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	14	0.16
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	14	0.16
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	14	0.16
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	14	0.16
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	14	0.16
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	14	0.16
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	14	0.16
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	14	0.16
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	14	0.16
(1,742)	1:426:A:MET:HE1	1:429:A:GLY:H	17	0.16
(1,742)	1:426:A:MET:HE2	1:429:A:GLY:H	17	0.16
(1,742)	1:426:A:MET:HE3	1:429:A:GLY:H	17	0.16
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG11	9	0.16
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG12	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:425:A:PHE:HD1	1:431:A:VAL:HG13	9	0.16
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG11	9	0.16
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG12	9	0.16
(1,740)	1:425:A:PHE:HD2	1:431:A:VAL:HG13	9	0.16
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD11	4	0.16
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD12	4	0.16
(1,730)	1:407:A:LEU:HB2	1:409:A:ILE:HD13	4	0.16
(1,729)	1:407:A:LEU:HB2	1:408:A:PHE:H	3	0.16
(1,729)	1:407:A:LEU:HB2	1:408:A:PHE:H	18	0.16
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG21	12	0.16
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG22	12	0.16
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG23	12	0.16
(1,697)	1:474:A:LYS:HG3	1:476:A:LEU:HD11	13	0.16
(1,697)	1:474:A:LYS:HG3	1:476:A:LEU:HD12	13	0.16
(1,697)	1:474:A:LYS:HG3	1:476:A:LEU:HD13	13	0.16
(1,697)	1:474:A:LYS:HG3	1:476:A:LEU:HD21	13	0.16
(1,697)	1:474:A:LYS:HG3	1:476:A:LEU:HD22	13	0.16
(1,697)	1:474:A:LYS:HG3	1:476:A:LEU:HD23	13	0.16
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG2	20	0.16
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG3	20	0.16
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG2	20	0.16
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG3	20	0.16
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG2	20	0.16
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG3	20	0.16
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG2	20	0.16
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG3	20	0.16
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG2	20	0.16
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG3	20	0.16
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG2	20	0.16
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG3	20	0.16
(1,690)	1:480:A:LEU:HD11	1:481:A:LYS:HA	20	0.16
(1,690)	1:480:A:LEU:HD12	1:481:A:LYS:HA	20	0.16
(1,690)	1:480:A:LEU:HD13	1:481:A:LYS:HA	20	0.16
(1,690)	1:480:A:LEU:HD21	1:481:A:LYS:HA	20	0.16
(1,690)	1:480:A:LEU:HD22	1:481:A:LYS:HA	20	0.16
(1,690)	1:480:A:LEU:HD23	1:481:A:LYS:HA	20	0.16
(1,673)	1:412:A:LEU:HG	1:416:A:PHE:HD1	2	0.16
(1,673)	1:412:A:LEU:HG	1:416:A:PHE:HD2	2	0.16
(1,670)	1:480:A:LEU:H	1:480:A:LEU:HG	3	0.16
(1,668)	1:473:A:MET:HG2	1:474:A:LYS:HG3	8	0.16
(1,667)	1:473:A:MET:HG2	1:474:A:LYS:HG2	19	0.16
(1,658)	1:480:A:LEU:H	1:480:A:LEU:HG	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:410:A:TYR:HB2	1:412:A:LEU:HG	19	0.16
(1,641)	1:466:A:MET:HB2	1:476:A:LEU:HG	1	0.16
(1,641)	1:466:A:MET:HB3	1:476:A:LEU:HG	1	0.16
(1,641)	1:466:A:MET:HB2	1:476:A:LEU:HG	20	0.16
(1,641)	1:466:A:MET:HB3	1:476:A:LEU:HG	20	0.16
(1,639)	1:469:A:PHE:HB3	1:476:A:LEU:HG	4	0.16
(1,635)	1:469:A:PHE:HD1	1:476:A:LEU:HG	6	0.16
(1,635)	1:469:A:PHE:HD2	1:476:A:LEU:HG	6	0.16
(1,635)	1:469:A:PHE:HD1	1:476:A:LEU:HG	9	0.16
(1,635)	1:469:A:PHE:HD2	1:476:A:LEU:HG	9	0.16
(1,626)	1:401:A:GLY:H	1:402:A:PRO:HD3	14	0.16
(1,624)	1:402:A:PRO:HD2	1:403:A:GLU:HB2	7	0.16
(1,623)	1:411:A:HIS:HB2	1:475:A:ARG:HG2	20	0.16
(1,623)	1:411:A:HIS:HB2	1:475:A:ARG:HG3	20	0.16
(1,621)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	1	0.16
(1,621)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	1	0.16
(1,621)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	10	0.16
(1,621)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	10	0.16
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB1	4	0.16
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB2	4	0.16
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB3	4	0.16
(1,604)	1:426:A:MET:HE1	1:429:A:GLY:H	17	0.16
(1,604)	1:426:A:MET:HE2	1:429:A:GLY:H	17	0.16
(1,604)	1:426:A:MET:HE3	1:429:A:GLY:H	17	0.16
(1,594)	1:439:A:ASP:HB2	1:442:A:THR:H	1	0.16
(1,593)	1:421:A:ILE:HD11	1:449:A:GLY:H	6	0.16
(1,593)	1:421:A:ILE:HD12	1:449:A:GLY:H	6	0.16
(1,593)	1:421:A:ILE:HD13	1:449:A:GLY:H	6	0.16
(1,593)	1:421:A:ILE:HD11	1:449:A:GLY:H	18	0.16
(1,593)	1:421:A:ILE:HD12	1:449:A:GLY:H	18	0.16
(1,593)	1:421:A:ILE:HD13	1:449:A:GLY:H	18	0.16
(1,581)	1:401:A:GLY:H	1:452:A:SER:HB3	2	0.16
(1,581)	1:401:A:GLY:H	1:452:A:SER:HB3	12	0.16
(1,580)	1:401:A:GLY:H	1:406:A:ASN:HD21	17	0.16
(1,550)	1:402:A:PRO:HG2	1:404:A:GLY:H	3	0.16
(1,541)	1:454:A:ASP:H	1:458:A:SER:HB3	12	0.16
(1,531)	1:416:A:PHE:H	1:417:A:GLY:H	10	0.16
(1,531)	1:416:A:PHE:H	1:417:A:GLY:H	18	0.16
(1,518)	1:430:A:ASN:HA	1:430:A:ASN:HD22	11	0.16
(1,517)	1:430:A:ASN:HD22	1:431:A:VAL:H	6	0.16
(1,511)	1:455:A:ASN:H	1:458:A:SER:HB3	15	0.16
(1,508)	1:453:A:TYR:HD1	1:455:A:ASN:H	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	1:453:A:TYR:HD2	1:455:A:ASN:H	16	0.16
(1,506)	1:453:A:TYR:H	1:455:A:ASN:H	13	0.16
(1,501)	1:467:A:ASN:H	1:467:A:ASN:HD21	16	0.16
(1,492)	1:415:A:GLU:H	1:416:A:PHE:HB2	7	0.16
(1,484)	1:404:A:GLY:HA3	1:406:A:ASN:H	20	0.16
(1,473)	1:444:A:LEU:H	1:445:A:SER:H	2	0.16
(1,473)	1:444:A:LEU:H	1:445:A:SER:H	12	0.16
(1,473)	1:444:A:LEU:H	1:445:A:SER:H	15	0.16
(1,460)	1:457:A:VAL:H	1:460:A:GLN:H	20	0.16
(1,433)	1:463:A:ILE:HD11	1:464:A:GLN:H	6	0.16
(1,433)	1:463:A:ILE:HD12	1:464:A:GLN:H	6	0.16
(1,433)	1:463:A:ILE:HD13	1:464:A:GLN:H	6	0.16
(1,422)	1:464:A:GLN:HG2	1:465:A:ALA:H	3	0.16
(1,422)	1:464:A:GLN:HG3	1:465:A:ALA:H	3	0.16
(1,422)	1:464:A:GLN:HG2	1:465:A:ALA:H	9	0.16
(1,422)	1:464:A:GLN:HG3	1:465:A:ALA:H	9	0.16
(1,422)	1:464:A:GLN:HG2	1:465:A:ALA:H	10	0.16
(1,422)	1:464:A:GLN:HG3	1:465:A:ALA:H	10	0.16
(1,422)	1:464:A:GLN:HG2	1:465:A:ALA:H	18	0.16
(1,422)	1:464:A:GLN:HG3	1:465:A:ALA:H	18	0.16
(1,408)	1:420:A:ASP:H	1:422:A:LEU:H	9	0.16
(1,407)	1:417:A:GLY:H	1:420:A:ASP:H	4	0.16
(1,404)	1:471:A:ILE:HB	1:472:A:GLY:H	2	0.16
(1,404)	1:471:A:ILE:HB	1:472:A:GLY:H	6	0.16
(1,404)	1:471:A:ILE:HB	1:472:A:GLY:H	19	0.16
(1,400)	1:426:A:MET:HE1	1:430:A:ASN:H	19	0.16
(1,400)	1:426:A:MET:HE2	1:430:A:ASN:H	19	0.16
(1,400)	1:426:A:MET:HE3	1:430:A:ASN:H	19	0.16
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD1	5	0.16
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD2	5	0.16
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD1	17	0.16
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD2	17	0.16
(1,392)	1:430:A:ASN:H	1:454:A:ASP:H	8	0.16
(1,389)	1:402:A:PRO:HA	1:406:A:ASN:HD21	2	0.16
(1,381)	1:439:A:ASP:HB2	1:444:A:LEU:H	7	0.16
(1,376)	1:444:A:LEU:H	1:445:A:SER:H	2	0.16
(1,376)	1:444:A:LEU:H	1:445:A:SER:H	12	0.16
(1,376)	1:444:A:LEU:H	1:445:A:SER:H	15	0.16
(1,367)	1:468:A:GLY:H	1:469:A:PHE:HB2	2	0.16
(1,350)	1:407:A:LEU:HB2	1:408:A:PHE:H	3	0.16
(1,350)	1:407:A:LEU:HB2	1:408:A:PHE:H	18	0.16
(1,343)	1:465:A:ALA:HB1	1:467:A:ASN:H	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:465:A:ALA:HB2	1:467:A:ASN:H	2	0.16
(1,343)	1:465:A:ALA:HB3	1:467:A:ASN:H	2	0.16
(1,343)	1:465:A:ALA:HB1	1:467:A:ASN:H	5	0.16
(1,343)	1:465:A:ALA:HB2	1:467:A:ASN:H	5	0.16
(1,343)	1:465:A:ALA:HB3	1:467:A:ASN:H	5	0.16
(1,343)	1:465:A:ALA:HB1	1:467:A:ASN:H	6	0.16
(1,343)	1:465:A:ALA:HB2	1:467:A:ASN:H	6	0.16
(1,343)	1:465:A:ALA:HB3	1:467:A:ASN:H	6	0.16
(1,343)	1:465:A:ALA:HB1	1:467:A:ASN:H	11	0.16
(1,343)	1:465:A:ALA:HB2	1:467:A:ASN:H	11	0.16
(1,343)	1:465:A:ALA:HB3	1:467:A:ASN:H	11	0.16
(1,343)	1:465:A:ALA:HB1	1:467:A:ASN:H	19	0.16
(1,343)	1:465:A:ALA:HB2	1:467:A:ASN:H	19	0.16
(1,343)	1:465:A:ALA:HB3	1:467:A:ASN:H	19	0.16
(1,336)	1:464:A:GLN:HB2	1:467:A:ASN:H	13	0.16
(1,336)	1:464:A:GLN:HB3	1:467:A:ASN:H	13	0.16
(1,335)	1:466:A:MET:HG2	1:467:A:ASN:H	16	0.16
(1,335)	1:466:A:MET:HG3	1:467:A:ASN:H	16	0.16
(1,303)	1:405:A:ALA:H	1:459:A:ALA:HB1	10	0.16
(1,303)	1:405:A:ALA:H	1:459:A:ALA:HB2	10	0.16
(1,303)	1:405:A:ALA:H	1:459:A:ALA:HB3	10	0.16
(1,299)	1:403:A:GLU:HA	1:405:A:ALA:H	7	0.16
(1,294)	1:409:A:ILE:HD11	1:450:A:PHE:H	10	0.16
(1,294)	1:409:A:ILE:HD12	1:450:A:PHE:H	10	0.16
(1,294)	1:409:A:ILE:HD13	1:450:A:PHE:H	10	0.16
(1,287)	1:436:A:VAL:HA	1:450:A:PHE:H	13	0.16
(1,269)	1:455:A:ASN:HD21	1:457:A:VAL:H	2	0.16
(1,244)	1:399:A:LYS:HD2	1:400:A:GLU:H	4	0.16
(1,244)	1:399:A:LYS:HD3	1:400:A:GLU:H	4	0.16
(1,227)	1:418:A:ASP:H	1:436:A:VAL:HB	14	0.16
(1,217)	1:462:A:ALA:H	1:463:A:ILE:HB	12	0.16
(1,200)	1:416:A:PHE:H	1:417:A:GLY:H	10	0.16
(1,200)	1:416:A:PHE:H	1:417:A:GLY:H	18	0.16
(1,192)	1:418:A:ASP:HB2	1:436:A:VAL:H	15	0.16
(1,168)	1:463:A:ILE:HD11	1:480:A:LEU:H	3	0.16
(1,168)	1:463:A:ILE:HD12	1:480:A:LEU:H	3	0.16
(1,168)	1:463:A:ILE:HD13	1:480:A:LEU:H	3	0.16
(1,167)	1:480:A:LEU:H	1:480:A:LEU:HG	3	0.16
(1,161)	1:480:A:LEU:H	1:481:A:LYS:H	16	0.16
(1,155)	1:407:A:LEU:H	1:408:A:PHE:HB2	4	0.16
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD1	2	0.16
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD2	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,150)	1:407:A:LEU:H	1:409:A:ILE:H	4	0.16
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB2	7	0.16
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB3	7	0.16
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB2	13	0.16
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB3	13	0.16
(1,107)	1:410:A:TYR:H	1:477:A:LYS:H	14	0.16
(1,104)	1:408:A:PHE:HB2	1:479:A:GLN:H	4	0.16
(1,104)	1:408:A:PHE:HB2	1:479:A:GLN:H	18	0.16
(1,74)	1:414:A:GLN:H	1:415:A:GLU:HB2	9	0.16
(1,63)	1:435:A:LYS:HG3	1:437:A:PHE:H	3	0.16
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG21	14	0.16
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG22	14	0.16
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG23	14	0.16
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG21	15	0.16
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG22	15	0.16
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG23	15	0.16
(1,58)	1:471:A:ILE:H	1:474:A:LYS:HB2	4	0.16
(1,57)	1:470:A:GLN:HG2	1:471:A:ILE:H	1	0.16
(1,57)	1:470:A:GLN:HG3	1:471:A:ILE:H	1	0.16
(1,49)	1:439:A:ASP:H	1:444:A:LEU:HB3	1	0.16
(1,35)	1:467:A:ASN:HB2	1:478:A:VAL:H	1	0.16
(1,30)	1:440:A:LYS:H	1:441:A:GLN:HG3	1	0.16
(1,30)	1:440:A:LYS:H	1:441:A:GLN:HG3	9	0.16
(1,30)	1:440:A:LYS:H	1:441:A:GLN:HG3	12	0.16
(1,22)	1:423:A:GLN:HA	1:426:A:MET:H	15	0.16
(1,13)	1:432:A:ILE:H	1:454:A:ASP:H	5	0.16
(1,9)	1:431:A:VAL:H	1:432:A:ILE:H	20	0.16
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	20	0.15
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	20	0.15
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	20	0.15
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	20	0.15
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	20	0.15
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	20	0.15
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE1	19	0.15
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE2	19	0.15
(1,1585)	1:415:A:GLU:HG2	1:416:A:PHE:HD1	18	0.15
(1,1585)	1:415:A:GLU:HG2	1:416:A:PHE:HD2	18	0.15
(1,1585)	1:415:A:GLU:HG3	1:416:A:PHE:HD1	18	0.15
(1,1585)	1:415:A:GLU:HG3	1:416:A:PHE:HD2	18	0.15
(1,1583)	1:416:A:PHE:HD1	1:417:A:GLY:H	12	0.15
(1,1583)	1:416:A:PHE:HD2	1:417:A:GLY:H	12	0.15
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD1	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD2	10	0.15
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB1	12	0.15
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB2	12	0.15
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB3	12	0.15
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB1	12	0.15
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB2	12	0.15
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB3	12	0.15
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB1	17	0.15
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB2	17	0.15
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB3	17	0.15
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB1	17	0.15
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB2	17	0.15
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB3	17	0.15
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE1	7	0.15
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE2	7	0.15
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	5	0.15
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	5	0.15
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	5	0.15
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	5	0.15
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	5	0.15
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	5	0.15
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	16	0.15
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	16	0.15
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	16	0.15
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	16	0.15
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE1	9	0.15
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE2	9	0.15
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	9	0.15
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	9	0.15
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE1	10	0.15
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE2	10	0.15
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	10	0.15
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	10	0.15
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE1	13	0.15
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE2	13	0.15
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	13	0.15
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	13	0.15
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE1	19	0.15
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE2	19	0.15
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	19	0.15
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	19	0.15
(1,1515)	1:409:A:ILE:HG12	1:421:A:ILE:HD11	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1515)	1:409:A:ILE:HG12	1:421:A:ILE:HD12	4	0.15
(1,1515)	1:409:A:ILE:HG12	1:421:A:ILE:HD13	4	0.15
(1,1493)	1:455:A:ASN:HB3	1:457:A:VAL:HB	11	0.15
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG21	18	0.15
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG22	18	0.15
(1,1487)	1:466:A:MET:HB2	1:478:A:VAL:HG23	18	0.15
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG21	18	0.15
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG22	18	0.15
(1,1487)	1:466:A:MET:HB3	1:478:A:VAL:HG23	18	0.15
(1,1469)	1:483:A:SER:HB2	1:484:A:LYS:HA	19	0.15
(1,1469)	1:483:A:SER:HB3	1:484:A:LYS:HA	19	0.15
(1,1445)	1:436:A:VAL:HG11	1:437:A:PHE:HA	16	0.15
(1,1445)	1:436:A:VAL:HG12	1:437:A:PHE:HA	16	0.15
(1,1445)	1:436:A:VAL:HG13	1:437:A:PHE:HA	16	0.15
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD11	4	0.15
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD12	4	0.15
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD13	4	0.15
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD11	13	0.15
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD12	13	0.15
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD13	13	0.15
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG21	18	0.15
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG22	18	0.15
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG23	18	0.15
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG11	3	0.15
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG12	3	0.15
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG13	3	0.15
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG11	12	0.15
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG12	12	0.15
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG13	12	0.15
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	4	0.15
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	4	0.15
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	4	0.15
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	4	0.15
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	4	0.15
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	4	0.15
(1,1415)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	9	0.15
(1,1415)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	9	0.15
(1,1415)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	9	0.15
(1,1406)	1:435:A:LYS:HB2	1:437:A:PHE:HB2	9	0.15
(1,1406)	1:435:A:LYS:HB3	1:437:A:PHE:HB2	9	0.15
(1,1405)	1:435:A:LYS:HB2	1:437:A:PHE:HB3	8	0.15
(1,1405)	1:435:A:LYS:HB3	1:437:A:PHE:HB3	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1405)	1:435:A:LYS:HB2	1:437:A:PHE:HB3	18	0.15
(1,1405)	1:435:A:LYS:HB3	1:437:A:PHE:HB3	18	0.15
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG21	15	0.15
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG22	15	0.15
(1,1399)	1:399:A:LYS:HD2	1:432:A:ILE:HG23	15	0.15
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG21	15	0.15
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG22	15	0.15
(1,1399)	1:399:A:LYS:HD3	1:432:A:ILE:HG23	15	0.15
(1,1395)	1:463:A:ILE:HG21	1:467:A:ASN:HB2	9	0.15
(1,1395)	1:463:A:ILE:HG22	1:467:A:ASN:HB2	9	0.15
(1,1395)	1:463:A:ILE:HG23	1:467:A:ASN:HB2	9	0.15
(1,1393)	1:432:A:ILE:HG21	1:433:A:SER:HB2	11	0.15
(1,1393)	1:432:A:ILE:HG22	1:433:A:SER:HB2	11	0.15
(1,1393)	1:432:A:ILE:HG23	1:433:A:SER:HB2	11	0.15
(1,1393)	1:432:A:ILE:HG21	1:433:A:SER:HB2	20	0.15
(1,1393)	1:432:A:ILE:HG22	1:433:A:SER:HB2	20	0.15
(1,1393)	1:432:A:ILE:HG23	1:433:A:SER:HB2	20	0.15
(1,1387)	1:409:A:ILE:HB	1:449:A:GLY:HA3	8	0.15
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	4	0.15
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	4	0.15
(1,1384)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	4	0.15
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	4	0.15
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	4	0.15
(1,1384)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	4	0.15
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	4	0.15
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	4	0.15
(1,1384)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	4	0.15
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	4	0.15
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	4	0.15
(1,1384)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	4	0.15
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	4	0.15
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	4	0.15
(1,1384)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	4	0.15
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	4	0.15
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	4	0.15
(1,1384)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	4	0.15
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB1	7	0.15
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB2	7	0.15
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB3	7	0.15
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB1	7	0.15
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB2	7	0.15
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB3	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB1	7	0.15
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB2	7	0.15
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB3	7	0.15
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB1	18	0.15
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB2	18	0.15
(1,1381)	1:453:A:TYR:HE1	1:459:A:ALA:HB3	18	0.15
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB1	18	0.15
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB2	18	0.15
(1,1381)	1:453:A:TYR:HE2	1:459:A:ALA:HB3	18	0.15
(1,1376)	1:411:A:HIS:HB2	1:474:A:LYS:HE2	16	0.15
(1,1376)	1:411:A:HIS:HB2	1:474:A:LYS:HE3	16	0.15
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB1	18	0.15
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB2	18	0.15
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB3	18	0.15
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB1	1	0.15
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB2	1	0.15
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB3	1	0.15
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB1	1	0.15
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB2	1	0.15
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB3	1	0.15
(1,1353)	1:412:A:LEU:HG	1:417:A:GLY:HA2	17	0.15
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	11	0.15
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	11	0.15
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	11	0.15
(1,1332)	1:431:A:VAL:HB	1:451:A:VAL:HG11	17	0.15
(1,1332)	1:431:A:VAL:HB	1:451:A:VAL:HG12	17	0.15
(1,1332)	1:431:A:VAL:HB	1:451:A:VAL:HG13	17	0.15
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG11	3	0.15
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG12	3	0.15
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG13	3	0.15
(1,1315)	1:429:A:GLY:HA3	1:430:A:ASN:HA	5	0.15
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	20	0.15
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	20	0.15
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	20	0.15
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	20	0.15
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	20	0.15
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	20	0.15
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG21	18	0.15
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG22	18	0.15
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG23	18	0.15
(1,1298)	1:421:A:ILE:HG12	1:436:A:VAL:HG21	15	0.15
(1,1298)	1:421:A:ILE:HG12	1:436:A:VAL:HG22	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1298)	1:421:A:ILE:HG12	1:436:A:VAL:HG23	15	0.15
(1,1286)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	13	0.15
(1,1286)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	13	0.15
(1,1286)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	13	0.15
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD11	10	0.15
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD12	10	0.15
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD13	10	0.15
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD21	10	0.15
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD22	10	0.15
(1,1285)	1:442:A:THR:HG21	1:444:A:LEU:HD23	10	0.15
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD11	10	0.15
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD12	10	0.15
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD13	10	0.15
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD21	10	0.15
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD22	10	0.15
(1,1285)	1:442:A:THR:HG22	1:444:A:LEU:HD23	10	0.15
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD11	10	0.15
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD12	10	0.15
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD13	10	0.15
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD21	10	0.15
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD22	10	0.15
(1,1285)	1:442:A:THR:HG23	1:444:A:LEU:HD23	10	0.15
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD11	7	0.15
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD12	7	0.15
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD13	7	0.15
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD21	7	0.15
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD22	7	0.15
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD23	7	0.15
(1,1260)	1:442:A:THR:HB	1:444:A:LEU:HG	13	0.15
(1,1256)	1:412:A:LEU:HG	1:421:A:ILE:HD11	5	0.15
(1,1256)	1:412:A:LEU:HG	1:421:A:ILE:HD12	5	0.15
(1,1256)	1:412:A:LEU:HG	1:421:A:ILE:HD13	5	0.15
(1,1254)	1:442:A:THR:HB	1:444:A:LEU:HG	13	0.15
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB1	4	0.15
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB2	4	0.15
(1,1245)	1:407:A:LEU:HD11	1:459:A:ALA:HB3	4	0.15
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB1	4	0.15
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB2	4	0.15
(1,1245)	1:407:A:LEU:HD12	1:459:A:ALA:HB3	4	0.15
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB1	4	0.15
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB2	4	0.15
(1,1245)	1:407:A:LEU:HD13	1:459:A:ALA:HB3	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB1	4	0.15
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB2	4	0.15
(1,1245)	1:407:A:LEU:HD21	1:459:A:ALA:HB3	4	0.15
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB1	4	0.15
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB2	4	0.15
(1,1245)	1:407:A:LEU:HD22	1:459:A:ALA:HB3	4	0.15
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB1	4	0.15
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB2	4	0.15
(1,1245)	1:407:A:LEU:HD23	1:459:A:ALA:HB3	4	0.15
(1,1242)	1:407:A:LEU:HG	1:453:A:TYR:HD1	7	0.15
(1,1242)	1:407:A:LEU:HG	1:453:A:TYR:HD2	7	0.15
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	10	0.15
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	10	0.15
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	10	0.15
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	10	0.15
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	10	0.15
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	10	0.15
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	10	0.15
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	10	0.15
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	10	0.15
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	10	0.15
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	10	0.15
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	10	0.15
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	18	0.15
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	18	0.15
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	18	0.15
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	18	0.15
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	18	0.15
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	18	0.15
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	18	0.15
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	18	0.15
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	18	0.15
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	18	0.15
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	18	0.15
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	18	0.15
(1,1227)	1:412:A:LEU:HG	1:413:A:PRO:HG2	11	0.15
(1,1213)	1:414:A:GLN:HG2	1:415:A:GLU:HB3	5	0.15
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD1	15	0.15
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD2	15	0.15
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD1	17	0.15
(1,1211)	1:421:A:ILE:HG13	1:425:A:PHE:HD2	17	0.15
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	5	0.15
(1,1196)	1:403:A:GLU:HB2	1:404:A:GLY:H	1	0.15
(1,1185)	1:411:A:HIS:HA	1:412:A:LEU:HA	10	0.15
(1,1185)	1:411:A:HIS:HA	1:412:A:LEU:HA	15	0.15
(1,1179)	1:463:A:ILE:HD11	1:479:A:GLN:HA	17	0.15
(1,1179)	1:463:A:ILE:HD12	1:479:A:GLN:HA	17	0.15
(1,1179)	1:463:A:ILE:HD13	1:479:A:GLN:HA	17	0.15
(1,1155)	1:461:A:ALA:HA	1:464:A:GLN:HB2	2	0.15
(1,1155)	1:461:A:ALA:HA	1:464:A:GLN:HB3	2	0.15
(1,1154)	1:461:A:ALA:HA	1:462:A:ALA:HA	8	0.15
(1,1154)	1:461:A:ALA:HA	1:462:A:ALA:HA	19	0.15
(1,1147)	1:424:A:MET:HG2	1:425:A:PHE:H	4	0.15
(1,1147)	1:424:A:MET:HG3	1:425:A:PHE:H	4	0.15
(1,1133)	1:407:A:LEU:H	1:452:A:SER:HA	3	0.15
(1,1122)	1:408:A:PHE:HA	1:449:A:GLY:H	14	0.15
(1,1118)	1:423:A:GLN:HG3	1:424:A:MET:H	5	0.15
(1,1118)	1:423:A:GLN:HG3	1:424:A:MET:H	10	0.15
(1,1105)	1:463:A:ILE:HA	1:478:A:VAL:HB	6	0.15
(1,1092)	1:445:A:SER:HA	1:488:A:LYS:HA	7	0.15
(1,1083)	1:403:A:GLU:HG3	1:404:A:GLY:H	16	0.15
(1,1079)	1:423:A:GLN:HA	1:426:A:MET:H	8	0.15
(1,1078)	1:414:A:GLN:HA	1:415:A:GLU:HG2	19	0.15
(1,1078)	1:414:A:GLN:HA	1:415:A:GLU:HG3	19	0.15
(1,1078)	1:414:A:GLN:HA	1:415:A:GLU:HG2	20	0.15
(1,1078)	1:414:A:GLN:HA	1:415:A:GLU:HG3	20	0.15
(1,1074)	1:432:A:ILE:HD11	1:433:A:SER:H	19	0.15
(1,1074)	1:432:A:ILE:HD12	1:433:A:SER:H	19	0.15
(1,1074)	1:432:A:ILE:HD13	1:433:A:SER:H	19	0.15
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	16	0.15
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	16	0.15
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	16	0.15
(1,1066)	1:414:A:GLN:HA	1:415:A:GLU:HA	17	0.15
(1,1049)	1:412:A:LEU:HG	1:421:A:ILE:HD11	5	0.15
(1,1049)	1:412:A:LEU:HG	1:421:A:ILE:HD12	5	0.15
(1,1049)	1:412:A:LEU:HG	1:421:A:ILE:HD13	5	0.15
(1,1044)	1:412:A:LEU:HA	1:421:A:ILE:HD11	11	0.15
(1,1044)	1:412:A:LEU:HA	1:421:A:ILE:HD12	11	0.15
(1,1044)	1:412:A:LEU:HA	1:421:A:ILE:HD13	11	0.15
(1,1035)	1:463:A:ILE:HD11	1:464:A:GLN:H	10	0.15
(1,1035)	1:463:A:ILE:HD12	1:464:A:GLN:H	10	0.15
(1,1035)	1:463:A:ILE:HD13	1:464:A:GLN:H	10	0.15
(1,1035)	1:463:A:ILE:HD11	1:464:A:GLN:H	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1035)	1:463:A:ILE:HD12	1:464:A:GLN:H	12	0.15
(1,1035)	1:463:A:ILE:HD13	1:464:A:GLN:H	12	0.15
(1,1035)	1:463:A:ILE:HD11	1:464:A:GLN:H	16	0.15
(1,1035)	1:463:A:ILE:HD12	1:464:A:GLN:H	16	0.15
(1,1035)	1:463:A:ILE:HD13	1:464:A:GLN:H	16	0.15
(1,1006)	1:425:A:PHE:HB3	1:426:A:MET:HE1	13	0.15
(1,1006)	1:425:A:PHE:HB3	1:426:A:MET:HE2	13	0.15
(1,1006)	1:425:A:PHE:HB3	1:426:A:MET:HE3	13	0.15
(1,999)	1:467:A:ASN:HB2	1:468:A:GLY:H	12	0.15
(1,999)	1:467:A:ASN:HB2	1:468:A:GLY:H	17	0.15
(1,984)	1:416:A:PHE:HB2	1:417:A:GLY:H	12	0.15
(1,983)	1:430:A:ASN:HB2	1:431:A:VAL:HA	15	0.15
(1,983)	1:430:A:ASN:HB3	1:431:A:VAL:HA	15	0.15
(1,980)	1:471:A:ILE:HB	1:472:A:GLY:H	11	0.15
(1,980)	1:471:A:ILE:HB	1:472:A:GLY:H	14	0.15
(1,980)	1:471:A:ILE:HB	1:472:A:GLY:H	16	0.15
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG21	13	0.15
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG22	13	0.15
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG23	13	0.15
(1,943)	1:409:A:ILE:HB	1:450:A:PHE:H	9	0.15
(1,943)	1:409:A:ILE:HB	1:450:A:PHE:H	20	0.15
(1,935)	1:405:A:ALA:H	1:459:A:ALA:HB1	14	0.15
(1,935)	1:405:A:ALA:H	1:459:A:ALA:HB2	14	0.15
(1,935)	1:405:A:ALA:H	1:459:A:ALA:HB3	14	0.15
(1,935)	1:405:A:ALA:H	1:459:A:ALA:HB1	19	0.15
(1,935)	1:405:A:ALA:H	1:459:A:ALA:HB2	19	0.15
(1,935)	1:405:A:ALA:H	1:459:A:ALA:HB3	19	0.15
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE1	20	0.15
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE2	20	0.15
(1,931)	1:421:A:ILE:HG21	1:426:A:MET:HE3	20	0.15
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE1	20	0.15
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE2	20	0.15
(1,931)	1:421:A:ILE:HG22	1:426:A:MET:HE3	20	0.15
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE1	20	0.15
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE2	20	0.15
(1,931)	1:421:A:ILE:HG23	1:426:A:MET:HE3	20	0.15
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG11	15	0.15
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG12	15	0.15
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG13	15	0.15
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG11	15	0.15
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG12	15	0.15
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG13	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG11	15	0.15
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG12	15	0.15
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG13	15	0.15
(1,925)	1:455:A:ASN:HB3	1:456:A:PRO:HD3	13	0.15
(1,912)	1:435:A:LYS:HE2	1:438:A:ILE:H	3	0.15
(1,912)	1:435:A:LYS:HE3	1:438:A:ILE:H	3	0.15
(1,912)	1:435:A:LYS:HE2	1:438:A:ILE:H	11	0.15
(1,912)	1:435:A:LYS:HE3	1:438:A:ILE:H	11	0.15
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	13	0.15
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	13	0.15
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	13	0.15
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	13	0.15
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	13	0.15
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	13	0.15
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	13	0.15
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	13	0.15
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	13	0.15
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB1	3	0.15
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB2	3	0.15
(1,905)	1:451:A:VAL:HG21	1:462:A:ALA:HB3	3	0.15
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB1	3	0.15
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB2	3	0.15
(1,905)	1:451:A:VAL:HG22	1:462:A:ALA:HB3	3	0.15
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB1	3	0.15
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB2	3	0.15
(1,905)	1:451:A:VAL:HG23	1:462:A:ALA:HB3	3	0.15
(1,901)	1:462:A:ALA:HB1	1:465:A:ALA:H	13	0.15
(1,901)	1:462:A:ALA:HB2	1:465:A:ALA:H	13	0.15
(1,901)	1:462:A:ALA:HB3	1:465:A:ALA:H	13	0.15
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB1	18	0.15
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB2	18	0.15
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB3	18	0.15
(1,884)	1:433:A:SER:HB2	1:452:A:SER:H	13	0.15
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE1	14	0.15
(1,875)	1:408:A:PHE:HB2	1:410:A:TYR:HE2	14	0.15
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE1	14	0.15
(1,875)	1:408:A:PHE:HB3	1:410:A:TYR:HE2	14	0.15
(1,868)	1:411:A:HIS:HB2	1:475:A:ARG:HD2	20	0.15
(1,868)	1:411:A:HIS:HB2	1:475:A:ARG:HD3	20	0.15
(1,863)	1:417:A:GLY:HA3	1:419:A:GLN:H	8	0.15
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB1	5	0.15
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB2	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB3	5	0.15
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	11	0.15
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	11	0.15
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	11	0.15
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	5	0.15
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	5	0.15
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	5	0.15
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	5	0.15
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	5	0.15
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	5	0.15
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG11	3	0.15
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG12	3	0.15
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG13	3	0.15
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG11	15	0.15
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG12	15	0.15
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG13	15	0.15
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG11	16	0.15
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG12	16	0.15
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG13	16	0.15
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB1	3	0.15
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB2	3	0.15
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB3	3	0.15
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB1	8	0.15
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB2	8	0.15
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB3	8	0.15
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB1	6	0.15
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB2	6	0.15
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB3	6	0.15
(1,810)	1:434:A:ALA:HB1	1:452:A:SER:H	6	0.15
(1,810)	1:434:A:ALA:HB2	1:452:A:SER:H	6	0.15
(1,810)	1:434:A:ALA:HB3	1:452:A:SER:H	6	0.15
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB1	7	0.15
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB2	7	0.15
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB3	7	0.15
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB1	19	0.15
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB2	19	0.15
(1,801)	1:464:A:GLN:H	1:465:A:ALA:HB3	19	0.15
(1,799)	1:465:A:ALA:HB1	1:467:A:ASN:H	7	0.15
(1,799)	1:465:A:ALA:HB2	1:467:A:ASN:H	7	0.15
(1,799)	1:465:A:ALA:HB3	1:467:A:ASN:H	7	0.15
(1,799)	1:465:A:ALA:HB1	1:467:A:ASN:H	18	0.15
(1,799)	1:465:A:ALA:HB2	1:467:A:ASN:H	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,799)	1:465:A:ALA:HB3	1:467:A:ASN:H	18	0.15
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	13	0.15
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	13	0.15
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	13	0.15
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	13	0.15
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	13	0.15
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	13	0.15
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	13	0.15
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	13	0.15
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	13	0.15
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	2	0.15
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	2	0.15
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	2	0.15
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	2	0.15
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	2	0.15
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	2	0.15
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	2	0.15
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	2	0.15
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	2	0.15
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	4	0.15
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	4	0.15
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	4	0.15
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	4	0.15
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	4	0.15
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	4	0.15
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	4	0.15
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	4	0.15
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	4	0.15
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	5	0.15
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	5	0.15
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	5	0.15
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	5	0.15
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	5	0.15
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	5	0.15
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	5	0.15
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	5	0.15
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	5	0.15
(1,781)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	13	0.15
(1,781)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	13	0.15
(1,781)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	13	0.15
(1,768)	1:457:A:VAL:HG11	1:458:A:SER:HB2	14	0.15
(1,768)	1:457:A:VAL:HG12	1:458:A:SER:HB2	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,768)	1:457:A:VAL:HG13	1:458:A:SER:HB2	14	0.15
(1,768)	1:457:A:VAL:HG21	1:458:A:SER:HB2	14	0.15
(1,768)	1:457:A:VAL:HG22	1:458:A:SER:HB2	14	0.15
(1,768)	1:457:A:VAL:HG23	1:458:A:SER:HB2	14	0.15
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG11	20	0.15
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG12	20	0.15
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG13	20	0.15
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG21	20	0.15
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG22	20	0.15
(1,764)	1:456:A:PRO:HA	1:457:A:VAL:HG23	20	0.15
(1,735)	1:431:A:VAL:HG11	1:451:A:VAL:HB	20	0.15
(1,735)	1:431:A:VAL:HG12	1:451:A:VAL:HB	20	0.15
(1,735)	1:431:A:VAL:HG13	1:451:A:VAL:HB	20	0.15
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG21	1	0.15
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG22	1	0.15
(1,732)	1:407:A:LEU:HB3	1:478:A:VAL:HG23	1	0.15
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD1	18	0.15
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD2	18	0.15
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD11	6	0.15
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD12	6	0.15
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD13	6	0.15
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD21	6	0.15
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD22	6	0.15
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD23	6	0.15
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	3	0.15
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	3	0.15
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	3	0.15
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	3	0.15
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	3	0.15
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	3	0.15
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	3	0.15
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	3	0.15
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	3	0.15
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	6	0.15
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	6	0.15
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	6	0.15
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	6	0.15
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	6	0.15
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	6	0.15
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	6	0.15
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	6	0.15
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	18	0.15
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	18	0.15
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	18	0.15
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	18	0.15
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	18	0.15
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	18	0.15
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	18	0.15
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	18	0.15
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	18	0.15
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD2	12	0.15
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD3	12	0.15
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD2	12	0.15
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD3	12	0.15
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD2	12	0.15
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD3	12	0.15
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD2	17	0.15
(1,709)	1:478:A:VAL:HG21	1:482:A:ARG:HD3	17	0.15
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD2	17	0.15
(1,709)	1:478:A:VAL:HG22	1:482:A:ARG:HD3	17	0.15
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD2	17	0.15
(1,709)	1:478:A:VAL:HG23	1:482:A:ARG:HD3	17	0.15
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	16	0.15
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	16	0.15
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	16	0.15
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD11	3	0.15
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD12	3	0.15
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD13	3	0.15
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD21	3	0.15
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD22	3	0.15
(1,698)	1:474:A:LYS:HG2	1:476:A:LEU:HD23	3	0.15
(1,684)	1:399:A:LYS:HG2	1:400:A:GLU:H	10	0.15
(1,684)	1:399:A:LYS:HG3	1:400:A:GLU:H	10	0.15
(1,676)	1:481:A:LYS:HG2	1:482:A:ARG:H	15	0.15
(1,676)	1:481:A:LYS:HG3	1:482:A:ARG:H	15	0.15
(1,668)	1:473:A:MET:HG2	1:474:A:LYS:HG3	4	0.15
(1,668)	1:473:A:MET:HG2	1:474:A:LYS:HG3	19	0.15
(1,664)	1:471:A:ILE:HG21	1:474:A:LYS:HG3	1	0.15
(1,664)	1:471:A:ILE:HG22	1:474:A:LYS:HG3	1	0.15
(1,664)	1:471:A:ILE:HG23	1:474:A:LYS:HG3	1	0.15
(1,664)	1:471:A:ILE:HG21	1:474:A:LYS:HG3	12	0.15
(1,664)	1:471:A:ILE:HG22	1:474:A:LYS:HG3	12	0.15
(1,664)	1:471:A:ILE:HG23	1:474:A:LYS:HG3	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:407:A:LEU:HD11	1:408:A:PHE:H	7	0.15
(1,647)	1:407:A:LEU:HD12	1:408:A:PHE:H	7	0.15
(1,647)	1:407:A:LEU:HD13	1:408:A:PHE:H	7	0.15
(1,647)	1:407:A:LEU:HD21	1:408:A:PHE:H	7	0.15
(1,647)	1:407:A:LEU:HD22	1:408:A:PHE:H	7	0.15
(1,647)	1:407:A:LEU:HD23	1:408:A:PHE:H	7	0.15
(1,643)	1:410:A:TYR:HB2	1:412:A:LEU:HG	13	0.15
(1,642)	1:439:A:ASP:HB3	1:444:A:LEU:HG	7	0.15
(1,638)	1:413:A:PRO:HD2	1:476:A:LEU:HG	4	0.15
(1,638)	1:413:A:PRO:HD3	1:476:A:LEU:HG	4	0.15
(1,634)	1:469:A:PHE:HE1	1:476:A:LEU:HG	6	0.15
(1,634)	1:469:A:PHE:HE2	1:476:A:LEU:HG	6	0.15
(1,633)	1:469:A:PHE:H	1:476:A:LEU:HG	1	0.15
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	16	0.15
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	16	0.15
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	16	0.15
(1,623)	1:411:A:HIS:HB2	1:475:A:ARG:HG2	14	0.15
(1,623)	1:411:A:HIS:HB2	1:475:A:ARG:HG3	14	0.15
(1,619)	1:407:A:LEU:HG	1:453:A:TYR:H	10	0.15
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG11	11	0.15
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG12	11	0.15
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG13	11	0.15
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG21	11	0.15
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG22	11	0.15
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG23	11	0.15
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB1	18	0.15
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB2	18	0.15
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB3	18	0.15
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG11	11	0.15
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG12	11	0.15
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG13	11	0.15
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG11	18	0.15
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG12	18	0.15
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG13	18	0.15
(1,596)	1:441:A:GLN:HG3	1:442:A:THR:H	12	0.15
(1,581)	1:401:A:GLY:H	1:452:A:SER:HB3	4	0.15
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG21	11	0.15
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG22	11	0.15
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG23	11	0.15
(1,572)	1:414:A:GLN:HE21	1:472:A:GLY:HA2	1	0.15
(1,572)	1:414:A:GLN:HE21	1:472:A:GLY:HA2	14	0.15
(1,572)	1:414:A:GLN:HE21	1:472:A:GLY:HA2	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,570)	1:419:A:GLN:HE21	1:420:A:ASP:H	10	0.15
(1,568)	1:419:A:GLN:HE22	1:420:A:ASP:HB3	17	0.15
(1,567)	1:419:A:GLN:HE22	1:423:A:GLN:HB2	19	0.15
(1,567)	1:419:A:GLN:HE22	1:423:A:GLN:HB3	19	0.15
(1,564)	1:411:A:HIS:H	1:448:A:PHE:HB2	3	0.15
(1,564)	1:411:A:HIS:H	1:448:A:PHE:HB3	3	0.15
(1,564)	1:411:A:HIS:H	1:448:A:PHE:HB2	20	0.15
(1,564)	1:411:A:HIS:H	1:448:A:PHE:HB3	20	0.15
(1,541)	1:454:A:ASP:H	1:458:A:SER:HB3	4	0.15
(1,539)	1:453:A:TYR:HB2	1:454:A:ASP:H	6	0.15
(1,531)	1:416:A:PHE:H	1:417:A:GLY:H	2	0.15
(1,531)	1:416:A:PHE:H	1:417:A:GLY:H	4	0.15
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG21	12	0.15
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG22	12	0.15
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG23	12	0.15
(1,524)	1:432:A:ILE:HD11	1:433:A:SER:H	19	0.15
(1,524)	1:432:A:ILE:HD12	1:433:A:SER:H	19	0.15
(1,524)	1:432:A:ILE:HD13	1:433:A:SER:H	19	0.15
(1,516)	1:402:A:PRO:HG2	1:455:A:ASN:H	14	0.15
(1,484)	1:404:A:GLY:HA3	1:406:A:ASN:H	1	0.15
(1,484)	1:404:A:GLY:HA3	1:406:A:ASN:H	5	0.15
(1,484)	1:404:A:GLY:HA3	1:406:A:ASN:H	16	0.15
(1,473)	1:444:A:LEU:H	1:445:A:SER:H	19	0.15
(1,473)	1:444:A:LEU:H	1:445:A:SER:H	20	0.15
(1,460)	1:457:A:VAL:H	1:460:A:GLN:H	1	0.15
(1,460)	1:457:A:VAL:H	1:460:A:GLN:H	2	0.15
(1,456)	1:457:A:VAL:HA	1:460:A:GLN:H	10	0.15
(1,450)	1:460:A:GLN:H	1:463:A:ILE:HG21	20	0.15
(1,450)	1:460:A:GLN:H	1:463:A:ILE:HG22	20	0.15
(1,450)	1:460:A:GLN:H	1:463:A:ILE:HG23	20	0.15
(1,433)	1:463:A:ILE:HD11	1:464:A:GLN:H	10	0.15
(1,433)	1:463:A:ILE:HD12	1:464:A:GLN:H	10	0.15
(1,433)	1:463:A:ILE:HD13	1:464:A:GLN:H	10	0.15
(1,433)	1:463:A:ILE:HD11	1:464:A:GLN:H	12	0.15
(1,433)	1:463:A:ILE:HD12	1:464:A:GLN:H	12	0.15
(1,433)	1:463:A:ILE:HD13	1:464:A:GLN:H	12	0.15
(1,433)	1:463:A:ILE:HD11	1:464:A:GLN:H	16	0.15
(1,433)	1:463:A:ILE:HD12	1:464:A:GLN:H	16	0.15
(1,433)	1:463:A:ILE:HD13	1:464:A:GLN:H	16	0.15
(1,417)	1:439:A:ASP:HB2	1:441:A:GLN:H	12	0.15
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD11	12	0.15
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD12	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD13	12	0.15
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD21	12	0.15
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD22	12	0.15
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD23	12	0.15
(1,407)	1:417:A:GLY:H	1:420:A:ASP:H	3	0.15
(1,404)	1:471:A:ILE:HB	1:472:A:GLY:H	11	0.15
(1,404)	1:471:A:ILE:HB	1:472:A:GLY:H	14	0.15
(1,404)	1:471:A:ILE:HB	1:472:A:GLY:H	16	0.15
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD1	6	0.15
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD2	6	0.15
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD1	14	0.15
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD2	14	0.15
(1,390)	1:430:A:ASN:H	1:431:A:VAL:H	13	0.15
(1,390)	1:430:A:ASN:H	1:431:A:VAL:H	16	0.15
(1,381)	1:439:A:ASP:HB2	1:444:A:LEU:H	9	0.15
(1,376)	1:444:A:LEU:H	1:445:A:SER:H	19	0.15
(1,376)	1:444:A:LEU:H	1:445:A:SER:H	20	0.15
(1,367)	1:468:A:GLY:H	1:469:A:PHE:HB2	9	0.15
(1,365)	1:467:A:ASN:HB2	1:468:A:GLY:H	12	0.15
(1,365)	1:467:A:ASN:HB2	1:468:A:GLY:H	17	0.15
(1,352)	1:407:A:LEU:HD11	1:408:A:PHE:H	7	0.15
(1,352)	1:407:A:LEU:HD12	1:408:A:PHE:H	7	0.15
(1,352)	1:407:A:LEU:HD13	1:408:A:PHE:H	7	0.15
(1,352)	1:407:A:LEU:HD21	1:408:A:PHE:H	7	0.15
(1,352)	1:407:A:LEU:HD22	1:408:A:PHE:H	7	0.15
(1,352)	1:407:A:LEU:HD23	1:408:A:PHE:H	7	0.15
(1,343)	1:465:A:ALA:HB1	1:467:A:ASN:H	7	0.15
(1,343)	1:465:A:ALA:HB2	1:467:A:ASN:H	7	0.15
(1,343)	1:465:A:ALA:HB3	1:467:A:ASN:H	7	0.15
(1,343)	1:465:A:ALA:HB1	1:467:A:ASN:H	18	0.15
(1,343)	1:465:A:ALA:HB2	1:467:A:ASN:H	18	0.15
(1,343)	1:465:A:ALA:HB3	1:467:A:ASN:H	18	0.15
(1,323)	1:431:A:VAL:HG21	1:452:A:SER:H	12	0.15
(1,323)	1:431:A:VAL:HG22	1:452:A:SER:H	12	0.15
(1,323)	1:431:A:VAL:HG23	1:452:A:SER:H	12	0.15
(1,323)	1:431:A:VAL:HG21	1:452:A:SER:H	14	0.15
(1,323)	1:431:A:VAL:HG22	1:452:A:SER:H	14	0.15
(1,323)	1:431:A:VAL:HG23	1:452:A:SER:H	14	0.15
(1,323)	1:431:A:VAL:HG21	1:452:A:SER:H	16	0.15
(1,323)	1:431:A:VAL:HG22	1:452:A:SER:H	16	0.15
(1,323)	1:431:A:VAL:HG23	1:452:A:SER:H	16	0.15
(1,320)	1:434:A:ALA:HB1	1:452:A:SER:H	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:434:A:ALA:HB2	1:452:A:SER:H	6	0.15
(1,320)	1:434:A:ALA:HB3	1:452:A:SER:H	6	0.15
(1,305)	1:405:A:ALA:H	1:406:A:ASN:HD21	1	0.15
(1,303)	1:405:A:ALA:H	1:459:A:ALA:HB1	14	0.15
(1,303)	1:405:A:ALA:H	1:459:A:ALA:HB2	14	0.15
(1,303)	1:405:A:ALA:H	1:459:A:ALA:HB3	14	0.15
(1,303)	1:405:A:ALA:H	1:459:A:ALA:HB1	19	0.15
(1,303)	1:405:A:ALA:H	1:459:A:ALA:HB2	19	0.15
(1,303)	1:405:A:ALA:H	1:459:A:ALA:HB3	19	0.15
(1,297)	1:405:A:ALA:H	1:406:A:ASN:HB3	1	0.15
(1,291)	1:435:A:LYS:HG3	1:450:A:PHE:H	3	0.15
(1,290)	1:409:A:ILE:HB	1:450:A:PHE:H	9	0.15
(1,290)	1:409:A:ILE:HB	1:450:A:PHE:H	20	0.15
(1,287)	1:436:A:VAL:HA	1:450:A:PHE:H	20	0.15
(1,286)	1:435:A:LYS:H	1:450:A:PHE:H	8	0.15
(1,281)	1:455:A:ASN:HB3	1:459:A:ALA:H	15	0.15
(1,279)	1:458:A:SER:HB3	1:459:A:ALA:H	14	0.15
(1,279)	1:458:A:SER:HB3	1:459:A:ALA:H	18	0.15
(1,263)	1:408:A:PHE:HD1	1:409:A:ILE:H	7	0.15
(1,263)	1:408:A:PHE:HD2	1:409:A:ILE:H	7	0.15
(1,259)	1:435:A:LYS:H	1:450:A:PHE:HD1	3	0.15
(1,259)	1:435:A:LYS:H	1:450:A:PHE:HD2	3	0.15
(1,259)	1:435:A:LYS:H	1:450:A:PHE:HD1	18	0.15
(1,259)	1:435:A:LYS:H	1:450:A:PHE:HD2	18	0.15
(1,242)	1:399:A:LYS:HG2	1:400:A:GLU:H	10	0.15
(1,242)	1:399:A:LYS:HG3	1:400:A:GLU:H	10	0.15
(1,220)	1:407:A:LEU:HD11	1:462:A:ALA:H	1	0.15
(1,220)	1:407:A:LEU:HD12	1:462:A:ALA:H	1	0.15
(1,220)	1:407:A:LEU:HD13	1:462:A:ALA:H	1	0.15
(1,220)	1:407:A:LEU:HD21	1:462:A:ALA:H	1	0.15
(1,220)	1:407:A:LEU:HD22	1:462:A:ALA:H	1	0.15
(1,220)	1:407:A:LEU:HD23	1:462:A:ALA:H	1	0.15
(1,212)	1:462:A:ALA:H	1:464:A:GLN:H	11	0.15
(1,200)	1:416:A:PHE:H	1:417:A:GLY:H	2	0.15
(1,200)	1:416:A:PHE:H	1:417:A:GLY:H	4	0.15
(1,199)	1:436:A:VAL:H	1:437:A:PHE:HD1	5	0.15
(1,199)	1:436:A:VAL:H	1:437:A:PHE:HD2	5	0.15
(1,197)	1:435:A:LYS:HG3	1:436:A:VAL:H	1	0.15
(1,197)	1:435:A:LYS:HG3	1:436:A:VAL:H	15	0.15
(1,187)	1:460:A:GLN:HG2	1:461:A:ALA:H	8	0.15
(1,187)	1:460:A:GLN:HG3	1:461:A:ALA:H	8	0.15
(1,179)	1:422:A:LEU:H	1:423:A:GLN:HA	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD2	19	0.15
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD3	19	0.15
(1,161)	1:480:A:LEU:H	1:481:A:LYS:H	20	0.15
(1,156)	1:407:A:LEU:H	1:453:A:TYR:HB3	17	0.15
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE1	16	0.15
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE2	16	0.15
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG11	3	0.15
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG12	3	0.15
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG13	3	0.15
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG11	6	0.15
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG12	6	0.15
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG13	6	0.15
(1,104)	1:408:A:PHE:HB2	1:479:A:GLN:H	19	0.15
(1,82)	1:421:A:ILE:HG21	1:434:A:ALA:H	9	0.15
(1,82)	1:421:A:ILE:HG22	1:434:A:ALA:H	9	0.15
(1,82)	1:421:A:ILE:HG23	1:434:A:ALA:H	9	0.15
(1,81)	1:434:A:ALA:H	1:435:A:LYS:HB2	11	0.15
(1,81)	1:434:A:ALA:H	1:435:A:LYS:HB3	11	0.15
(1,74)	1:414:A:GLN:H	1:415:A:GLU:HB2	11	0.15
(1,66)	1:437:A:PHE:H	1:450:A:PHE:HD1	17	0.15
(1,66)	1:437:A:PHE:H	1:450:A:PHE:HD2	17	0.15
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG21	12	0.15
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG22	12	0.15
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG23	12	0.15
(1,42)	1:439:A:ASP:H	1:444:A:LEU:HG	7	0.15
(1,35)	1:467:A:ASN:HB2	1:478:A:VAL:H	8	0.15
(1,30)	1:440:A:LYS:H	1:441:A:GLN:HG3	3	0.15
(1,30)	1:440:A:LYS:H	1:441:A:GLN:HG3	5	0.15
(1,30)	1:440:A:LYS:H	1:441:A:GLN:HG3	16	0.15
(1,22)	1:423:A:GLN:HA	1:426:A:MET:H	8	0.15
(1,13)	1:432:A:ILE:H	1:454:A:ASP:H	15	0.15
(1,12)	1:440:A:LYS:H	1:442:A:THR:H	14	0.15
(1,9)	1:431:A:VAL:H	1:432:A:ILE:H	8	0.15
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	7	0.14
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	7	0.14
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	7	0.14
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	7	0.14
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	7	0.14
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	7	0.14
(1,1601)	1:407:A:LEU:HG	1:453:A:TYR:HE1	8	0.14
(1,1601)	1:407:A:LEU:HG	1:453:A:TYR:HE2	8	0.14
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE1	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE2	11	0.14
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE1	6	0.14
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE2	6	0.14
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE1	12	0.14
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE2	12	0.14
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE1	15	0.14
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE2	15	0.14
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB1	11	0.14
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB2	11	0.14
(1,1565)	1:428:A:PHE:HE1	1:465:A:ALA:HB3	11	0.14
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB1	11	0.14
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB2	11	0.14
(1,1565)	1:428:A:PHE:HE2	1:465:A:ALA:HB3	11	0.14
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	8	0.14
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	8	0.14
(1,1564)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	8	0.14
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	8	0.14
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	8	0.14
(1,1564)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	8	0.14
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD1	5	0.14
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD2	5	0.14
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD1	5	0.14
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD2	5	0.14
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD1	15	0.14
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD2	15	0.14
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD1	15	0.14
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD2	15	0.14
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	19	0.14
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	19	0.14
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	19	0.14
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	19	0.14
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE1	1	0.14
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE2	1	0.14
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	1	0.14
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	1	0.14
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE1	5	0.14
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE2	5	0.14
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	5	0.14
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	5	0.14
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE1	6	0.14
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE2	6	0.14
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	6	0.14
(1,1525)	1:463:A:ILE:HB	1:464:A:GLN:HB2	12	0.14
(1,1525)	1:463:A:ILE:HB	1:464:A:GLN:HB3	12	0.14
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD1	2	0.14
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD2	2	0.14
(1,1515)	1:409:A:ILE:HG12	1:421:A:ILE:HD11	3	0.14
(1,1515)	1:409:A:ILE:HG12	1:421:A:ILE:HD12	3	0.14
(1,1515)	1:409:A:ILE:HG12	1:421:A:ILE:HD13	3	0.14
(1,1469)	1:483:A:SER:HB2	1:484:A:LYS:HA	15	0.14
(1,1469)	1:483:A:SER:HB3	1:484:A:LYS:HA	15	0.14
(1,1467)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	14	0.14
(1,1463)	1:423:A:GLN:HG2	1:426:A:MET:HG2	20	0.14
(1,1463)	1:423:A:GLN:HG2	1:426:A:MET:HG3	20	0.14
(1,1456)	1:440:A:LYS:HB2	1:441:A:GLN:HG2	20	0.14
(1,1456)	1:440:A:LYS:HB3	1:441:A:GLN:HG2	20	0.14
(1,1452)	1:432:A:ILE:HG21	1:433:A:SER:HA	6	0.14
(1,1452)	1:432:A:ILE:HG22	1:433:A:SER:HA	6	0.14
(1,1452)	1:432:A:ILE:HG23	1:433:A:SER:HA	6	0.14
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD11	10	0.14
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD12	10	0.14
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD13	10	0.14
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD11	11	0.14
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD12	11	0.14
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD13	11	0.14
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	6	0.14
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	6	0.14
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	6	0.14
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	7	0.14
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	7	0.14
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	7	0.14
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG11	2	0.14
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG12	2	0.14
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG13	2	0.14
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG11	4	0.14
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG12	4	0.14
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG13	4	0.14
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG11	15	0.14
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG12	15	0.14
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG13	15	0.14
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG11	19	0.14
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG12	19	0.14
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG13	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	11	0.14
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	11	0.14
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	11	0.14
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	11	0.14
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	11	0.14
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	11	0.14
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	11	0.14
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	11	0.14
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	11	0.14
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD11	8	0.14
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD12	8	0.14
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD13	8	0.14
(1,1417)	1:463:A:ILE:HB	1:464:A:GLN:HB2	12	0.14
(1,1417)	1:463:A:ILE:HB	1:464:A:GLN:HB3	12	0.14
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	19	0.14
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	19	0.14
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	19	0.14
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	19	0.14
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	19	0.14
(1,1412)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	19	0.14
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	19	0.14
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	19	0.14
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	19	0.14
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	19	0.14
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	19	0.14
(1,1412)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	19	0.14
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	19	0.14
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	19	0.14
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	19	0.14
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	19	0.14
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	19	0.14
(1,1412)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	19	0.14
(1,1406)	1:435:A:LYS:HB2	1:437:A:PHE:HB2	5	0.14
(1,1406)	1:435:A:LYS:HB3	1:437:A:PHE:HB2	5	0.14
(1,1406)	1:435:A:LYS:HB2	1:437:A:PHE:HB2	6	0.14
(1,1406)	1:435:A:LYS:HB3	1:437:A:PHE:HB2	6	0.14
(1,1387)	1:409:A:ILE:HB	1:449:A:GLY:HA3	19	0.14
(1,1376)	1:411:A:HIS:HB2	1:474:A:LYS:HE2	2	0.14
(1,1376)	1:411:A:HIS:HB2	1:474:A:LYS:HE3	2	0.14
(1,1376)	1:411:A:HIS:HB2	1:474:A:LYS:HE2	14	0.14
(1,1376)	1:411:A:HIS:HB2	1:474:A:LYS:HE3	14	0.14
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB1	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB2	3	0.14
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB3	3	0.14
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB1	14	0.14
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB2	14	0.14
(1,1363)	1:453:A:TYR:HD1	1:462:A:ALA:HB3	14	0.14
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB1	14	0.14
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB2	14	0.14
(1,1363)	1:453:A:TYR:HD2	1:462:A:ALA:HB3	14	0.14
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD11	4	0.14
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD12	4	0.14
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD13	4	0.14
(1,1360)	1:480:A:LEU:HB2	1:482:A:ARG:HD2	3	0.14
(1,1360)	1:480:A:LEU:HB2	1:482:A:ARG:HD3	3	0.14
(1,1360)	1:480:A:LEU:HB3	1:482:A:ARG:HD2	3	0.14
(1,1360)	1:480:A:LEU:HB3	1:482:A:ARG:HD3	3	0.14
(1,1360)	1:480:A:LEU:HB2	1:482:A:ARG:HD2	17	0.14
(1,1360)	1:480:A:LEU:HB2	1:482:A:ARG:HD3	17	0.14
(1,1360)	1:480:A:LEU:HB3	1:482:A:ARG:HD2	17	0.14
(1,1360)	1:480:A:LEU:HB3	1:482:A:ARG:HD3	17	0.14
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB1	20	0.14
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB2	20	0.14
(1,1343)	1:402:A:PRO:HG2	1:405:A:ALA:HB3	20	0.14
(1,1341)	1:402:A:PRO:HD3	1:405:A:ALA:HB1	15	0.14
(1,1341)	1:402:A:PRO:HD3	1:405:A:ALA:HB2	15	0.14
(1,1341)	1:402:A:PRO:HD3	1:405:A:ALA:HB3	15	0.14
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	3	0.14
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	3	0.14
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	3	0.14
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	3	0.14
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	3	0.14
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	3	0.14
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	3	0.14
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	3	0.14
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	3	0.14
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	4	0.14
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	4	0.14
(1,1338)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	4	0.14
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG11	2	0.14
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG12	2	0.14
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG13	2	0.14
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG11	4	0.14
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG12	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG13	4	0.14
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG11	15	0.14
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG12	15	0.14
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG13	15	0.14
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB1	2	0.14
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB2	2	0.14
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB3	2	0.14
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB1	9	0.14
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB2	9	0.14
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB3	9	0.14
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB1	12	0.14
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB2	12	0.14
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB3	12	0.14
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	7	0.14
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	7	0.14
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	7	0.14
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	7	0.14
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	7	0.14
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	7	0.14
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	4	0.14
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	4	0.14
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	4	0.14
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	10	0.14
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	10	0.14
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	10	0.14
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG21	15	0.14
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG22	15	0.14
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG23	15	0.14
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD11	5	0.14
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD12	5	0.14
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD13	5	0.14
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD21	5	0.14
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD22	5	0.14
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD23	5	0.14
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD11	19	0.14
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD12	19	0.14
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD13	19	0.14
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD21	19	0.14
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD22	19	0.14
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD23	19	0.14
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	6	0.14
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	6	0.14
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	6	0.14
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	6	0.14
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	6	0.14
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	6	0.14
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	6	0.14
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	6	0.14
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	6	0.14
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	6	0.14
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	6	0.14
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	6	0.14
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	6	0.14
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	6	0.14
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	6	0.14
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	6	0.14
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	6	0.14
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD11	5	0.14
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD12	5	0.14
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD13	5	0.14
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD21	5	0.14
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD22	5	0.14
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD23	5	0.14
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD11	19	0.14
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD12	19	0.14
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD13	19	0.14
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD21	19	0.14
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD22	19	0.14
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD23	19	0.14
(1,1242)	1:407:A:LEU:HG	1:453:A:TYR:HD1	16	0.14
(1,1242)	1:407:A:LEU:HG	1:453:A:TYR:HD2	16	0.14
(1,1238)	1:422:A:LEU:HG	1:423:A:GLN:HA	18	0.14
(1,1220)	1:402:A:PRO:HG2	1:456:A:PRO:HD2	20	0.14
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	3	0.14
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	3	0.14
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	3	0.14
(1,1196)	1:403:A:GLU:HB2	1:404:A:GLY:H	13	0.14
(1,1193)	1:406:A:ASN:HA	1:453:A:TYR:H	20	0.14
(1,1185)	1:411:A:HIS:HA	1:412:A:LEU:HA	18	0.14
(1,1182)	1:432:A:ILE:HG21	1:454:A:ASP:HA	20	0.14
(1,1182)	1:432:A:ILE:HG22	1:454:A:ASP:HA	20	0.14
(1,1182)	1:432:A:ILE:HG23	1:454:A:ASP:HA	20	0.14
(1,1179)	1:463:A:ILE:HD11	1:479:A:GLN:HA	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1179)	1:463:A:ILE:HD12	1:479:A:GLN:HA	7	0.14
(1,1179)	1:463:A:ILE:HD13	1:479:A:GLN:HA	7	0.14
(1,1173)	1:435:A:LYS:HA	1:436:A:VAL:HG11	15	0.14
(1,1173)	1:435:A:LYS:HA	1:436:A:VAL:HG12	15	0.14
(1,1173)	1:435:A:LYS:HA	1:436:A:VAL:HG13	15	0.14
(1,1155)	1:461:A:ALA:HA	1:464:A:GLN:HB2	20	0.14
(1,1155)	1:461:A:ALA:HA	1:464:A:GLN:HB3	20	0.14
(1,1154)	1:461:A:ALA:HA	1:462:A:ALA:HA	12	0.14
(1,1150)	1:466:A:MET:HG2	1:467:A:ASN:H	15	0.14
(1,1150)	1:466:A:MET:HG3	1:467:A:ASN:H	15	0.14
(1,1147)	1:424:A:MET:HG2	1:425:A:PHE:H	5	0.14
(1,1147)	1:424:A:MET:HG3	1:425:A:PHE:H	5	0.14
(1,1147)	1:424:A:MET:HG2	1:425:A:PHE:H	7	0.14
(1,1147)	1:424:A:MET:HG3	1:425:A:PHE:H	7	0.14
(1,1146)	1:438:A:ILE:HA	1:443:A:ASN:HA	5	0.14
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG2	12	0.14
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG3	12	0.14
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG2	12	0.14
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG3	12	0.14
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG2	12	0.14
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG3	12	0.14
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG2	18	0.14
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG3	18	0.14
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG2	18	0.14
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG3	18	0.14
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG2	18	0.14
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG3	18	0.14
(1,1133)	1:407:A:LEU:H	1:452:A:SER:HA	1	0.14
(1,1133)	1:407:A:LEU:H	1:452:A:SER:HA	5	0.14
(1,1133)	1:407:A:LEU:H	1:452:A:SER:HA	17	0.14
(1,1119)	1:464:A:GLN:HG2	1:465:A:ALA:H	19	0.14
(1,1119)	1:464:A:GLN:HG3	1:465:A:ALA:H	19	0.14
(1,1115)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	14	0.14
(1,1107)	1:423:A:GLN:HG2	1:426:A:MET:HG2	20	0.14
(1,1107)	1:423:A:GLN:HG2	1:426:A:MET:HG3	20	0.14
(1,1092)	1:445:A:SER:HA	1:488:A:LYS:HA	3	0.14
(1,1084)	1:403:A:GLU:HG3	1:404:A:GLY:HA3	17	0.14
(1,1083)	1:403:A:GLU:HG3	1:404:A:GLY:H	9	0.14
(1,1083)	1:403:A:GLU:HG3	1:404:A:GLY:H	20	0.14
(1,1081)	1:422:A:LEU:HD11	1:423:A:GLN:HA	12	0.14
(1,1081)	1:422:A:LEU:HD12	1:423:A:GLN:HA	12	0.14
(1,1081)	1:422:A:LEU:HD13	1:423:A:GLN:HA	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:422:A:LEU:HD21	1:423:A:GLN:HA	12	0.14
(1,1081)	1:422:A:LEU:HD22	1:423:A:GLN:HA	12	0.14
(1,1081)	1:422:A:LEU:HD23	1:423:A:GLN:HA	12	0.14
(1,1080)	1:422:A:LEU:HG	1:423:A:GLN:HA	18	0.14
(1,1078)	1:414:A:GLN:HA	1:415:A:GLU:HG2	6	0.14
(1,1078)	1:414:A:GLN:HA	1:415:A:GLU:HG3	6	0.14
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD11	4	0.14
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD12	4	0.14
(1,1067)	1:401:A:GLY:H	1:432:A:ILE:HD13	4	0.14
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	3	0.14
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	3	0.14
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	3	0.14
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	3	0.14
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	3	0.14
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	3	0.14
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	3	0.14
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	3	0.14
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	3	0.14
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	11	0.14
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	11	0.14
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	11	0.14
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	11	0.14
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	11	0.14
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	11	0.14
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	11	0.14
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	11	0.14
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	11	0.14
(1,1042)	1:416:A:PHE:HD1	1:421:A:ILE:HD11	13	0.14
(1,1042)	1:416:A:PHE:HD1	1:421:A:ILE:HD12	13	0.14
(1,1042)	1:416:A:PHE:HD1	1:421:A:ILE:HD13	13	0.14
(1,1042)	1:416:A:PHE:HD2	1:421:A:ILE:HD11	13	0.14
(1,1042)	1:416:A:PHE:HD2	1:421:A:ILE:HD12	13	0.14
(1,1042)	1:416:A:PHE:HD2	1:421:A:ILE:HD13	13	0.14
(1,1040)	1:421:A:ILE:HD11	1:450:A:PHE:H	1	0.14
(1,1040)	1:421:A:ILE:HD12	1:450:A:PHE:H	1	0.14
(1,1040)	1:421:A:ILE:HD13	1:450:A:PHE:H	1	0.14
(1,1035)	1:463:A:ILE:HD11	1:464:A:GLN:H	1	0.14
(1,1035)	1:463:A:ILE:HD12	1:464:A:GLN:H	1	0.14
(1,1035)	1:463:A:ILE:HD13	1:464:A:GLN:H	1	0.14
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD11	8	0.14
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD12	8	0.14
(1,1028)	1:416:A:PHE:HE1	1:471:A:ILE:HD13	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD11	8	0.14
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD12	8	0.14
(1,1028)	1:416:A:PHE:HE2	1:471:A:ILE:HD13	8	0.14
(1,1016)	1:408:A:PHE:H	1:478:A:VAL:HA	11	0.14
(1,1014)	1:462:A:ALA:HA	1:463:A:ILE:HB	15	0.14
(1,1010)	1:425:A:PHE:HB2	1:453:A:TYR:HE1	2	0.14
(1,1010)	1:425:A:PHE:HB2	1:453:A:TYR:HE2	2	0.14
(1,1010)	1:425:A:PHE:HB2	1:453:A:TYR:HE1	20	0.14
(1,1010)	1:425:A:PHE:HB2	1:453:A:TYR:HE2	20	0.14
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	4	0.14
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	4	0.14
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	4	0.14
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	10	0.14
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	10	0.14
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	10	0.14
(1,1006)	1:425:A:PHE:HB3	1:426:A:MET:HE1	3	0.14
(1,1006)	1:425:A:PHE:HB3	1:426:A:MET:HE2	3	0.14
(1,1006)	1:425:A:PHE:HB3	1:426:A:MET:HE3	3	0.14
(1,999)	1:467:A:ASN:HB2	1:468:A:GLY:H	1	0.14
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD11	7	0.14
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD12	7	0.14
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD13	7	0.14
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD11	13	0.14
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD12	13	0.14
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD13	13	0.14
(1,983)	1:430:A:ASN:HB2	1:431:A:VAL:HA	11	0.14
(1,983)	1:430:A:ASN:HB3	1:431:A:VAL:HA	11	0.14
(1,982)	1:437:A:PHE:HB2	1:438:A:ILE:HB	9	0.14
(1,980)	1:471:A:ILE:HB	1:472:A:GLY:H	12	0.14
(1,980)	1:471:A:ILE:HB	1:472:A:GLY:H	18	0.14
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG21	19	0.14
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG22	19	0.14
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG23	19	0.14
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG21	15	0.14
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG22	15	0.14
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG23	15	0.14
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG21	18	0.14
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG22	18	0.14
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG23	18	0.14
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG21	19	0.14
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG22	19	0.14
(1,969)	1:466:A:MET:HG2	1:471:A:ILE:HG23	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG21	19	0.14
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG22	19	0.14
(1,969)	1:466:A:MET:HG3	1:471:A:ILE:HG23	19	0.14
(1,958)	1:431:A:VAL:H	1:432:A:ILE:HG21	8	0.14
(1,958)	1:431:A:VAL:H	1:432:A:ILE:HG22	8	0.14
(1,958)	1:431:A:VAL:H	1:432:A:ILE:HG23	8	0.14
(1,952)	1:463:A:ILE:HG21	1:467:A:ASN:H	17	0.14
(1,952)	1:463:A:ILE:HG22	1:467:A:ASN:H	17	0.14
(1,952)	1:463:A:ILE:HG23	1:467:A:ASN:H	17	0.14
(1,943)	1:409:A:ILE:HB	1:450:A:PHE:H	1	0.14
(1,943)	1:409:A:ILE:HB	1:450:A:PHE:H	13	0.14
(1,943)	1:409:A:ILE:HB	1:450:A:PHE:H	15	0.14
(1,943)	1:409:A:ILE:HB	1:450:A:PHE:H	18	0.14
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG2	12	0.14
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG3	12	0.14
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG2	12	0.14
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG3	12	0.14
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG2	12	0.14
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG3	12	0.14
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG2	18	0.14
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG3	18	0.14
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG2	18	0.14
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG3	18	0.14
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG2	18	0.14
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG3	18	0.14
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD1	9	0.14
(1,913)	1:435:A:LYS:HE2	1:437:A:PHE:HD2	9	0.14
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD1	9	0.14
(1,913)	1:435:A:LYS:HE3	1:437:A:PHE:HD2	9	0.14
(1,912)	1:435:A:LYS:HE2	1:438:A:ILE:H	5	0.14
(1,912)	1:435:A:LYS:HE3	1:438:A:ILE:H	5	0.14
(1,911)	1:435:A:LYS:HE2	1:436:A:VAL:H	17	0.14
(1,911)	1:435:A:LYS:HE3	1:436:A:VAL:H	17	0.14
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	3	0.14
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	3	0.14
(1,906)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	3	0.14
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	3	0.14
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	3	0.14
(1,906)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	3	0.14
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	3	0.14
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	3	0.14
(1,906)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB1	11	0.14
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB2	11	0.14
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB3	11	0.14
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB1	3	0.14
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB2	3	0.14
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB3	3	0.14
(1,884)	1:433:A:SER:HB2	1:452:A:SER:H	15	0.14
(1,873)	1:480:A:LEU:HB2	1:482:A:ARG:HD2	3	0.14
(1,873)	1:480:A:LEU:HB2	1:482:A:ARG:HD3	3	0.14
(1,873)	1:480:A:LEU:HB3	1:482:A:ARG:HD2	3	0.14
(1,873)	1:480:A:LEU:HB3	1:482:A:ARG:HD3	3	0.14
(1,873)	1:480:A:LEU:HB2	1:482:A:ARG:HD2	17	0.14
(1,873)	1:480:A:LEU:HB2	1:482:A:ARG:HD3	17	0.14
(1,873)	1:480:A:LEU:HB3	1:482:A:ARG:HD2	17	0.14
(1,873)	1:480:A:LEU:HB3	1:482:A:ARG:HD3	17	0.14
(1,861)	1:452:A:SER:HB2	1:453:A:TYR:H	8	0.14
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB1	6	0.14
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB2	6	0.14
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB3	6	0.14
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB1	7	0.14
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB2	7	0.14
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB3	7	0.14
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB1	11	0.14
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB2	11	0.14
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB3	11	0.14
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB1	20	0.14
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB2	20	0.14
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB3	20	0.14
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB1	4	0.14
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB2	4	0.14
(1,845)	1:401:A:GLY:HA3	1:405:A:ALA:HB3	4	0.14
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG11	4	0.14
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG12	4	0.14
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG13	4	0.14
(1,833)	1:449:A:GLY:HA3	1:450:A:PHE:HB2	2	0.14
(1,833)	1:449:A:GLY:HA3	1:450:A:PHE:HB2	19	0.14
(1,825)	1:435:A:LYS:HA	1:436:A:VAL:HG11	15	0.14
(1,825)	1:435:A:LYS:HA	1:436:A:VAL:HG12	15	0.14
(1,825)	1:435:A:LYS:HA	1:436:A:VAL:HG13	15	0.14
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	15	0.14
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	15	0.14
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB1	2	0.14
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB2	2	0.14
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB3	2	0.14
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB1	9	0.14
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB2	9	0.14
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB3	9	0.14
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB1	12	0.14
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB2	12	0.14
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB3	12	0.14
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB1	4	0.14
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB2	4	0.14
(1,812)	1:422:A:LEU:H	1:434:A:ALA:HB3	4	0.14
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB1	8	0.14
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB2	8	0.14
(1,807)	1:422:A:LEU:HG	1:434:A:ALA:HB3	8	0.14
(1,799)	1:465:A:ALA:HB1	1:467:A:ASN:H	13	0.14
(1,799)	1:465:A:ALA:HB2	1:467:A:ASN:H	13	0.14
(1,799)	1:465:A:ALA:HB3	1:467:A:ASN:H	13	0.14
(1,799)	1:465:A:ALA:HB1	1:467:A:ASN:H	17	0.14
(1,799)	1:465:A:ALA:HB2	1:467:A:ASN:H	17	0.14
(1,799)	1:465:A:ALA:HB3	1:467:A:ASN:H	17	0.14
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG11	3	0.14
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG12	3	0.14
(1,796)	1:462:A:ALA:HB1	1:478:A:VAL:HG13	3	0.14
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG11	3	0.14
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG12	3	0.14
(1,796)	1:462:A:ALA:HB2	1:478:A:VAL:HG13	3	0.14
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG11	3	0.14
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG12	3	0.14
(1,796)	1:462:A:ALA:HB3	1:478:A:VAL:HG13	3	0.14
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG11	15	0.14
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG12	15	0.14
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG13	15	0.14
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	6	0.14
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	6	0.14
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	6	0.14
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	6	0.14
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	6	0.14
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	6	0.14
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	6	0.14
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	6	0.14
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG21	14	0.14
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG22	14	0.14
(1,784)	1:431:A:VAL:HG21	1:451:A:VAL:HG23	14	0.14
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG21	14	0.14
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG22	14	0.14
(1,784)	1:431:A:VAL:HG22	1:451:A:VAL:HG23	14	0.14
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG21	14	0.14
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG22	14	0.14
(1,784)	1:431:A:VAL:HG23	1:451:A:VAL:HG23	14	0.14
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB2	7	0.14
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB3	7	0.14
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG11	15	0.14
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG12	15	0.14
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG13	15	0.14
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG21	15	0.14
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG22	15	0.14
(1,771)	1:455:A:ASN:HB2	1:457:A:VAL:HG23	15	0.14
(1,766)	1:455:A:ASN:HD21	1:457:A:VAL:HG11	3	0.14
(1,766)	1:455:A:ASN:HD21	1:457:A:VAL:HG12	3	0.14
(1,766)	1:455:A:ASN:HD21	1:457:A:VAL:HG13	3	0.14
(1,766)	1:455:A:ASN:HD21	1:457:A:VAL:HG21	3	0.14
(1,766)	1:455:A:ASN:HD21	1:457:A:VAL:HG22	3	0.14
(1,766)	1:455:A:ASN:HD21	1:457:A:VAL:HG23	3	0.14
(1,756)	1:403:A:GLU:HG2	1:404:A:GLY:HA2	3	0.14
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	3	0.14
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	3	0.14
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	3	0.14
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	3	0.14
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	3	0.14
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	3	0.14
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	3	0.14
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	3	0.14
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	3	0.14
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	4	0.14
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	4	0.14
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	4	0.14
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	4	0.14
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	4	0.14
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	4	0.14
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	4	0.14
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	4	0.14
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB1	6	0.14
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB2	6	0.14
(1,748)	1:431:A:VAL:HG11	1:434:A:ALA:HB3	6	0.14
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB1	6	0.14
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB2	6	0.14
(1,748)	1:431:A:VAL:HG12	1:434:A:ALA:HB3	6	0.14
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB1	6	0.14
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB2	6	0.14
(1,748)	1:431:A:VAL:HG13	1:434:A:ALA:HB3	6	0.14
(1,742)	1:426:A:MET:HE1	1:429:A:GLY:H	15	0.14
(1,742)	1:426:A:MET:HE2	1:429:A:GLY:H	15	0.14
(1,742)	1:426:A:MET:HE3	1:429:A:GLY:H	15	0.14
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE1	2	0.14
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE2	2	0.14
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE3	2	0.14
(1,735)	1:431:A:VAL:HG11	1:451:A:VAL:HB	8	0.14
(1,735)	1:431:A:VAL:HG12	1:451:A:VAL:HB	8	0.14
(1,735)	1:431:A:VAL:HG13	1:451:A:VAL:HB	8	0.14
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD11	7	0.14
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD12	7	0.14
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD13	7	0.14
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD11	13	0.14
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD12	13	0.14
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD13	13	0.14
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD11	6	0.14
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD12	6	0.14
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD13	6	0.14
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD21	6	0.14
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD22	6	0.14
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD23	6	0.14
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD11	6	0.14
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD12	6	0.14
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD13	6	0.14
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD21	6	0.14
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD22	6	0.14
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD23	6	0.14
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD11	11	0.14
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD12	11	0.14
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD13	11	0.14
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD21	11	0.14
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD22	11	0.14
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD23	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD11	11	0.14
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD12	11	0.14
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD13	11	0.14
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD21	11	0.14
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD22	11	0.14
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD23	11	0.14
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD11	13	0.14
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD12	13	0.14
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD13	13	0.14
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD21	13	0.14
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD22	13	0.14
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD23	13	0.14
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD11	13	0.14
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD12	13	0.14
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD13	13	0.14
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD21	13	0.14
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD22	13	0.14
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD23	13	0.14
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	13	0.14
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	13	0.14
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	13	0.14
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	13	0.14
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	13	0.14
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	13	0.14
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	13	0.14
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	13	0.14
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	13	0.14
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	20	0.14
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	20	0.14
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	20	0.14
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	20	0.14
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	20	0.14
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	20	0.14
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	20	0.14
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	20	0.14
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	20	0.14
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	6	0.14
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	6	0.14
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	6	0.14
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	6	0.14
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	6	0.14
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	6	0.14
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	6	0.14
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	6	0.14
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	6	0.14
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	6	0.14
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	6	0.14
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	6	0.14
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	6	0.14
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	6	0.14
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	6	0.14
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	6	0.14
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	6	0.14
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	1	0.14
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	1	0.14
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	1	0.14
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD11	19	0.14
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD12	19	0.14
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD13	19	0.14
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD21	19	0.14
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD22	19	0.14
(1,707)	1:409:A:ILE:HD11	1:412:A:LEU:HD23	19	0.14
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD11	19	0.14
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD12	19	0.14
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD13	19	0.14
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD21	19	0.14
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD22	19	0.14
(1,707)	1:409:A:ILE:HD12	1:412:A:LEU:HD23	19	0.14
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD11	19	0.14
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD12	19	0.14
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD13	19	0.14
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD21	19	0.14
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD22	19	0.14
(1,707)	1:409:A:ILE:HD13	1:412:A:LEU:HD23	19	0.14
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG2	8	0.14
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG3	8	0.14
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG2	8	0.14
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG3	8	0.14
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG2	8	0.14
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG3	8	0.14
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG2	8	0.14
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG3	8	0.14
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG2	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG3	8	0.14
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG2	8	0.14
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG3	8	0.14
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG2	12	0.14
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG3	12	0.14
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG2	12	0.14
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG3	12	0.14
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG2	12	0.14
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG3	12	0.14
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG2	12	0.14
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG3	12	0.14
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG2	12	0.14
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG3	12	0.14
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG2	12	0.14
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG3	12	0.14
(1,694)	1:471:A:ILE:H	1:472:A:GLY:HA3	11	0.14
(1,674)	1:436:A:VAL:HG21	1:440:A:LYS:HG2	9	0.14
(1,674)	1:436:A:VAL:HG21	1:440:A:LYS:HG3	9	0.14
(1,674)	1:436:A:VAL:HG22	1:440:A:LYS:HG2	9	0.14
(1,674)	1:436:A:VAL:HG22	1:440:A:LYS:HG3	9	0.14
(1,674)	1:436:A:VAL:HG23	1:440:A:LYS:HG2	9	0.14
(1,674)	1:436:A:VAL:HG23	1:440:A:LYS:HG3	9	0.14
(1,670)	1:480:A:LEU:H	1:480:A:LEU:HG	11	0.14
(1,668)	1:473:A:MET:HG2	1:474:A:LYS:HG3	16	0.14
(1,664)	1:471:A:ILE:HG21	1:474:A:LYS:HG3	17	0.14
(1,664)	1:471:A:ILE:HG22	1:474:A:LYS:HG3	17	0.14
(1,664)	1:471:A:ILE:HG23	1:474:A:LYS:HG3	17	0.14
(1,660)	1:406:A:ASN:H	1:480:A:LEU:HG	9	0.14
(1,660)	1:406:A:ASN:H	1:480:A:LEU:HG	15	0.14
(1,658)	1:480:A:LEU:H	1:480:A:LEU:HG	11	0.14
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	6	0.14
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	6	0.14
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	6	0.14
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	6	0.14
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	6	0.14
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	6	0.14
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	6	0.14
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	6	0.14
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	6	0.14
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	6	0.14
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	6	0.14
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	6	0.14
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	6	0.14
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	6	0.14
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	6	0.14
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	6	0.14
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	6	0.14
(1,642)	1:439:A:ASP:HB3	1:444:A:LEU:HG	8	0.14
(1,635)	1:469:A:PHE:HD1	1:476:A:LEU:HG	10	0.14
(1,635)	1:469:A:PHE:HD2	1:476:A:LEU:HG	10	0.14
(1,628)	1:402:A:PRO:HD3	1:405:A:ALA:H	17	0.14
(1,626)	1:401:A:GLY:H	1:402:A:PRO:HD3	5	0.14
(1,626)	1:401:A:GLY:H	1:402:A:PRO:HD3	18	0.14
(1,621)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	4	0.14
(1,621)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	4	0.14
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG21	1	0.14
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG22	1	0.14
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG23	1	0.14
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG21	19	0.14
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG22	19	0.14
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG23	19	0.14
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB1	3	0.14
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB2	3	0.14
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB3	3	0.14
(1,604)	1:426:A:MET:HE1	1:429:A:GLY:H	15	0.14
(1,604)	1:426:A:MET:HE2	1:429:A:GLY:H	15	0.14
(1,604)	1:426:A:MET:HE3	1:429:A:GLY:H	15	0.14
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG11	2	0.14
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG12	2	0.14
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG13	2	0.14
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG11	20	0.14
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG12	20	0.14
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG13	20	0.14
(1,596)	1:441:A:GLN:HG3	1:442:A:THR:H	11	0.14
(1,594)	1:439:A:ASP:HB2	1:442:A:THR:H	10	0.14
(1,592)	1:409:A:ILE:HG21	1:449:A:GLY:H	1	0.14
(1,592)	1:409:A:ILE:HG22	1:449:A:GLY:H	1	0.14
(1,592)	1:409:A:ILE:HG23	1:449:A:GLY:H	1	0.14
(1,592)	1:409:A:ILE:HG21	1:449:A:GLY:H	4	0.14
(1,592)	1:409:A:ILE:HG22	1:449:A:GLY:H	4	0.14
(1,592)	1:409:A:ILE:HG23	1:449:A:GLY:H	4	0.14
(1,592)	1:409:A:ILE:HG21	1:449:A:GLY:H	7	0.14
(1,592)	1:409:A:ILE:HG22	1:449:A:GLY:H	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,592)	1:409:A:ILE:HG23	1:449:A:GLY:H	7	0.14
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD11	12	0.14
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD12	12	0.14
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD13	12	0.14
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD21	12	0.14
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD22	12	0.14
(1,569)	1:419:A:GLN:HE22	1:422:A:LEU:HD23	12	0.14
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE1	2	0.14
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE2	2	0.14
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE3	2	0.14
(1,550)	1:402:A:PRO:HG2	1:404:A:GLY:H	2	0.14
(1,539)	1:453:A:TYR:HB2	1:454:A:ASP:H	10	0.14
(1,531)	1:416:A:PHE:H	1:417:A:GLY:H	1	0.14
(1,531)	1:416:A:PHE:H	1:417:A:GLY:H	3	0.14
(1,523)	1:431:A:VAL:HG21	1:433:A:SER:H	20	0.14
(1,523)	1:431:A:VAL:HG22	1:433:A:SER:H	20	0.14
(1,523)	1:431:A:VAL:HG23	1:433:A:SER:H	20	0.14
(1,518)	1:430:A:ASN:HA	1:430:A:ASN:HD22	7	0.14
(1,517)	1:430:A:ASN:HD22	1:431:A:VAL:H	3	0.14
(1,516)	1:402:A:PRO:HG2	1:455:A:ASN:H	13	0.14
(1,516)	1:402:A:PRO:HG2	1:455:A:ASN:H	19	0.14
(1,506)	1:453:A:TYR:H	1:455:A:ASN:H	1	0.14
(1,501)	1:467:A:ASN:H	1:467:A:ASN:HD21	2	0.14
(1,501)	1:467:A:ASN:H	1:467:A:ASN:HD21	4	0.14
(1,497)	1:454:A:ASP:HB3	1:455:A:ASN:HD22	6	0.14
(1,492)	1:415:A:GLU:H	1:416:A:PHE:HB2	13	0.14
(1,492)	1:415:A:GLU:H	1:416:A:PHE:HB2	16	0.14
(1,490)	1:406:A:ASN:H	1:406:A:ASN:HD21	7	0.14
(1,490)	1:406:A:ASN:H	1:406:A:ASN:HD21	16	0.14
(1,484)	1:404:A:GLY:HA3	1:406:A:ASN:H	10	0.14
(1,473)	1:444:A:LEU:H	1:445:A:SER:H	9	0.14
(1,469)	1:424:A:MET:H	1:425:A:PHE:HB3	9	0.14
(1,460)	1:457:A:VAL:H	1:460:A:GLN:H	10	0.14
(1,460)	1:457:A:VAL:H	1:460:A:GLN:H	11	0.14
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD11	8	0.14
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD12	8	0.14
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD13	8	0.14
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD21	8	0.14
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD22	8	0.14
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD23	8	0.14
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD11	17	0.14
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD12	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD13	17	0.14
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD21	17	0.14
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD22	17	0.14
(1,441)	1:421:A:ILE:H	1:422:A:LEU:HD23	17	0.14
(1,433)	1:463:A:ILE:HD11	1:464:A:GLN:H	1	0.14
(1,433)	1:463:A:ILE:HD12	1:464:A:GLN:H	1	0.14
(1,433)	1:463:A:ILE:HD13	1:464:A:GLN:H	1	0.14
(1,424)	1:443:A:ASN:H	1:444:A:LEU:HB3	10	0.14
(1,422)	1:464:A:GLN:HG2	1:465:A:ALA:H	19	0.14
(1,422)	1:464:A:GLN:HG3	1:465:A:ALA:H	19	0.14
(1,418)	1:440:A:LYS:HG2	1:441:A:GLN:H	4	0.14
(1,418)	1:440:A:LYS:HG3	1:441:A:GLN:H	4	0.14
(1,417)	1:439:A:ASP:HB2	1:441:A:GLN:H	9	0.14
(1,408)	1:420:A:ASP:H	1:422:A:LEU:H	15	0.14
(1,404)	1:471:A:ILE:HB	1:472:A:GLY:H	12	0.14
(1,404)	1:471:A:ILE:HB	1:472:A:GLY:H	18	0.14
(1,397)	1:430:A:ASN:H	1:458:A:SER:HB3	15	0.14
(1,397)	1:430:A:ASN:H	1:458:A:SER:HB3	19	0.14
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD1	13	0.14
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD2	13	0.14
(1,390)	1:430:A:ASN:H	1:431:A:VAL:H	1	0.14
(1,390)	1:430:A:ASN:H	1:431:A:VAL:H	4	0.14
(1,390)	1:430:A:ASN:H	1:431:A:VAL:H	19	0.14
(1,389)	1:402:A:PRO:HA	1:406:A:ASN:HD21	4	0.14
(1,379)	1:442:A:THR:HB	1:444:A:LEU:H	7	0.14
(1,376)	1:444:A:LEU:H	1:445:A:SER:H	9	0.14
(1,365)	1:467:A:ASN:HB2	1:468:A:GLY:H	1	0.14
(1,363)	1:407:A:LEU:HD11	1:463:A:ILE:H	5	0.14
(1,363)	1:407:A:LEU:HD12	1:463:A:ILE:H	5	0.14
(1,363)	1:407:A:LEU:HD13	1:463:A:ILE:H	5	0.14
(1,363)	1:407:A:LEU:HD21	1:463:A:ILE:H	5	0.14
(1,363)	1:407:A:LEU:HD22	1:463:A:ILE:H	5	0.14
(1,363)	1:407:A:LEU:HD23	1:463:A:ILE:H	5	0.14
(1,356)	1:461:A:ALA:H	1:463:A:ILE:H	6	0.14
(1,356)	1:461:A:ALA:H	1:463:A:ILE:H	12	0.14
(1,356)	1:461:A:ALA:H	1:463:A:ILE:H	18	0.14
(1,356)	1:461:A:ALA:H	1:463:A:ILE:H	20	0.14
(1,343)	1:465:A:ALA:HB1	1:467:A:ASN:H	13	0.14
(1,343)	1:465:A:ALA:HB2	1:467:A:ASN:H	13	0.14
(1,343)	1:465:A:ALA:HB3	1:467:A:ASN:H	13	0.14
(1,343)	1:465:A:ALA:HB1	1:467:A:ASN:H	17	0.14
(1,343)	1:465:A:ALA:HB2	1:467:A:ASN:H	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:465:A:ALA:HB3	1:467:A:ASN:H	17	0.14
(1,342)	1:467:A:ASN:H	1:478:A:VAL:HB	17	0.14
(1,336)	1:464:A:GLN:HB2	1:467:A:ASN:H	3	0.14
(1,336)	1:464:A:GLN:HB3	1:467:A:ASN:H	3	0.14
(1,336)	1:464:A:GLN:HB2	1:467:A:ASN:H	14	0.14
(1,336)	1:464:A:GLN:HB3	1:467:A:ASN:H	14	0.14
(1,335)	1:466:A:MET:HG2	1:467:A:ASN:H	15	0.14
(1,335)	1:466:A:MET:HG3	1:467:A:ASN:H	15	0.14
(1,334)	1:463:A:ILE:HG21	1:467:A:ASN:H	17	0.14
(1,334)	1:463:A:ILE:HG22	1:467:A:ASN:H	17	0.14
(1,334)	1:463:A:ILE:HG23	1:467:A:ASN:H	17	0.14
(1,332)	1:463:A:ILE:HA	1:467:A:ASN:H	14	0.14
(1,309)	1:475:A:ARG:H	1:476:A:LEU:HA	14	0.14
(1,301)	1:405:A:ALA:H	1:456:A:PRO:HB3	8	0.14
(1,297)	1:405:A:ALA:H	1:406:A:ASN:HB3	2	0.14
(1,290)	1:409:A:ILE:HB	1:450:A:PHE:H	1	0.14
(1,290)	1:409:A:ILE:HB	1:450:A:PHE:H	13	0.14
(1,290)	1:409:A:ILE:HB	1:450:A:PHE:H	15	0.14
(1,290)	1:409:A:ILE:HB	1:450:A:PHE:H	18	0.14
(1,286)	1:435:A:LYS:H	1:450:A:PHE:H	11	0.14
(1,279)	1:458:A:SER:HB3	1:459:A:ALA:H	10	0.14
(1,263)	1:408:A:PHE:HD1	1:409:A:ILE:H	3	0.14
(1,263)	1:408:A:PHE:HD2	1:409:A:ILE:H	3	0.14
(1,259)	1:435:A:LYS:H	1:450:A:PHE:HD1	6	0.14
(1,259)	1:435:A:LYS:H	1:450:A:PHE:HD2	6	0.14
(1,251)	1:452:A:SER:HB2	1:453:A:TYR:H	8	0.14
(1,243)	1:400:A:GLU:H	1:401:A:GLY:H	7	0.14
(1,243)	1:400:A:GLU:H	1:401:A:GLY:H	11	0.14
(1,243)	1:400:A:GLU:H	1:401:A:GLY:H	19	0.14
(1,220)	1:407:A:LEU:HD11	1:462:A:ALA:H	16	0.14
(1,220)	1:407:A:LEU:HD12	1:462:A:ALA:H	16	0.14
(1,220)	1:407:A:LEU:HD13	1:462:A:ALA:H	16	0.14
(1,220)	1:407:A:LEU:HD21	1:462:A:ALA:H	16	0.14
(1,220)	1:407:A:LEU:HD22	1:462:A:ALA:H	16	0.14
(1,220)	1:407:A:LEU:HD23	1:462:A:ALA:H	16	0.14
(1,212)	1:462:A:ALA:H	1:464:A:GLN:H	6	0.14
(1,210)	1:418:A:ASP:H	1:420:A:ASP:HB2	10	0.14
(1,209)	1:418:A:ASP:H	1:420:A:ASP:HB3	4	0.14
(1,200)	1:416:A:PHE:H	1:417:A:GLY:H	1	0.14
(1,200)	1:416:A:PHE:H	1:417:A:GLY:H	3	0.14
(1,197)	1:435:A:LYS:HG3	1:436:A:VAL:H	2	0.14
(1,197)	1:435:A:LYS:HG3	1:436:A:VAL:H	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,185)	1:461:A:ALA:H	1:463:A:ILE:H	6	0.14
(1,185)	1:461:A:ALA:H	1:463:A:ILE:H	12	0.14
(1,185)	1:461:A:ALA:H	1:463:A:ILE:H	18	0.14
(1,185)	1:461:A:ALA:H	1:463:A:ILE:H	20	0.14
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD2	1	0.14
(1,177)	1:399:A:LYS:H	1:399:A:LYS:HD3	1	0.14
(1,174)	1:398:A:GLN:HG3	1:399:A:LYS:H	10	0.14
(1,167)	1:480:A:LEU:H	1:480:A:LEU:HG	11	0.14
(1,161)	1:480:A:LEU:H	1:481:A:LYS:H	6	0.14
(1,161)	1:480:A:LEU:H	1:481:A:LYS:H	7	0.14
(1,161)	1:480:A:LEU:H	1:481:A:LYS:H	9	0.14
(1,161)	1:480:A:LEU:H	1:481:A:LYS:H	15	0.14
(1,150)	1:407:A:LEU:H	1:409:A:ILE:H	3	0.14
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB2	8	0.14
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB3	8	0.14
(1,127)	1:466:A:MET:HA	1:469:A:PHE:H	11	0.14
(1,127)	1:466:A:MET:HA	1:469:A:PHE:H	15	0.14
(1,85)	1:407:A:LEU:HA	1:481:A:LYS:H	9	0.14
(1,74)	1:414:A:GLN:H	1:415:A:GLU:HB2	12	0.14
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG21	8	0.14
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG22	8	0.14
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG23	8	0.14
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG21	19	0.14
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG22	19	0.14
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG23	19	0.14
(1,49)	1:439:A:ASP:H	1:444:A:LEU:HB3	16	0.14
(1,35)	1:467:A:ASN:HB2	1:478:A:VAL:H	17	0.14
(1,21)	1:424:A:MET:H	1:426:A:MET:H	18	0.14
(1,13)	1:432:A:ILE:H	1:454:A:ASP:H	6	0.14
(1,9)	1:431:A:VAL:H	1:432:A:ILE:H	4	0.14
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	19	0.13
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	19	0.13
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	19	0.13
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	19	0.13
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	19	0.13
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	19	0.13
(1,1602)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	8	0.13
(1,1602)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	8	0.13
(1,1602)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	8	0.13
(1,1602)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	8	0.13
(1,1602)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	8	0.13
(1,1602)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1602)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	15	0.13
(1,1602)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	15	0.13
(1,1602)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	15	0.13
(1,1602)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	15	0.13
(1,1602)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	15	0.13
(1,1602)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	15	0.13
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE1	1	0.13
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE2	1	0.13
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE1	7	0.13
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE2	7	0.13
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE1	8	0.13
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE2	8	0.13
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD1	19	0.13
(1,1579)	1:427:A:PRO:HG2	1:428:A:PHE:HD2	19	0.13
(1,1573)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	13	0.13
(1,1573)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	13	0.13
(1,1573)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	13	0.13
(1,1573)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	13	0.13
(1,1573)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	13	0.13
(1,1573)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	13	0.13
(1,1568)	1:428:A:PHE:HE1	1:462:A:ALA:HA	10	0.13
(1,1568)	1:428:A:PHE:HE2	1:462:A:ALA:HA	10	0.13
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE1	16	0.13
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE2	16	0.13
(1,1566)	1:428:A:PHE:HE1	1:466:A:MET:HB2	7	0.13
(1,1566)	1:428:A:PHE:HE1	1:466:A:MET:HB3	7	0.13
(1,1566)	1:428:A:PHE:HE2	1:466:A:MET:HB2	7	0.13
(1,1566)	1:428:A:PHE:HE2	1:466:A:MET:HB3	7	0.13
(1,1555)	1:428:A:PHE:H	1:428:A:PHE:HE1	14	0.13
(1,1555)	1:428:A:PHE:H	1:428:A:PHE:HE2	14	0.13
(1,1554)	1:429:A:GLY:HA2	1:453:A:TYR:HD1	19	0.13
(1,1554)	1:429:A:GLY:HA2	1:453:A:TYR:HD2	19	0.13
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	3	0.13
(1,1552)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	3	0.13
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	3	0.13
(1,1552)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	3	0.13
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	3	0.13
(1,1552)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	3	0.13
(1,1527)	1:461:A:ALA:HB1	1:464:A:GLN:HB2	11	0.13
(1,1527)	1:461:A:ALA:HB1	1:464:A:GLN:HB3	11	0.13
(1,1527)	1:461:A:ALA:HB2	1:464:A:GLN:HB2	11	0.13
(1,1527)	1:461:A:ALA:HB2	1:464:A:GLN:HB3	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1527)	1:461:A:ALA:HB3	1:464:A:GLN:HB2	11	0.13
(1,1527)	1:461:A:ALA:HB3	1:464:A:GLN:HB3	11	0.13
(1,1526)	1:422:A:LEU:HB3	1:423:A:GLN:HB2	15	0.13
(1,1526)	1:422:A:LEU:HB3	1:423:A:GLN:HB3	15	0.13
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG21	2	0.13
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG22	2	0.13
(1,1522)	1:434:A:ALA:HA	1:451:A:VAL:HG23	2	0.13
(1,1521)	1:434:A:ALA:HA	1:451:A:VAL:HG11	7	0.13
(1,1521)	1:434:A:ALA:HA	1:451:A:VAL:HG12	7	0.13
(1,1521)	1:434:A:ALA:HA	1:451:A:VAL:HG13	7	0.13
(1,1514)	1:409:A:ILE:HG12	1:478:A:VAL:HG11	14	0.13
(1,1514)	1:409:A:ILE:HG12	1:478:A:VAL:HG12	14	0.13
(1,1514)	1:409:A:ILE:HG12	1:478:A:VAL:HG13	14	0.13
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG21	3	0.13
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG22	3	0.13
(1,1513)	1:421:A:ILE:HG13	1:451:A:VAL:HG23	3	0.13
(1,1504)	1:430:A:ASN:HA	1:453:A:TYR:HD1	2	0.13
(1,1504)	1:430:A:ASN:HA	1:453:A:TYR:HD2	2	0.13
(1,1477)	1:481:A:LYS:HA	1:481:A:LYS:HE2	14	0.13
(1,1477)	1:481:A:LYS:HA	1:481:A:LYS:HE3	14	0.13
(1,1469)	1:483:A:SER:HB2	1:484:A:LYS:HA	9	0.13
(1,1469)	1:483:A:SER:HB3	1:484:A:LYS:HA	9	0.13
(1,1467)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	10	0.13
(1,1445)	1:436:A:VAL:HG11	1:437:A:PHE:HA	6	0.13
(1,1445)	1:436:A:VAL:HG12	1:437:A:PHE:HA	6	0.13
(1,1445)	1:436:A:VAL:HG13	1:437:A:PHE:HA	6	0.13
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD11	5	0.13
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD12	5	0.13
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD13	5	0.13
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	1	0.13
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	1	0.13
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	1	0.13
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG21	6	0.13
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG22	6	0.13
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG23	6	0.13
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG21	12	0.13
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG22	12	0.13
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG23	12	0.13
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG11	18	0.13
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG12	18	0.13
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG13	18	0.13
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG11	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG12	20	0.13
(1,1432)	1:409:A:ILE:HA	1:478:A:VAL:HG13	20	0.13
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	19	0.13
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	19	0.13
(1,1430)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	19	0.13
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	19	0.13
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	19	0.13
(1,1430)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	19	0.13
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	19	0.13
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	19	0.13
(1,1430)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	19	0.13
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	9	0.13
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	9	0.13
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	9	0.13
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	9	0.13
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	9	0.13
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	9	0.13
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD11	20	0.13
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD12	20	0.13
(1,1420)	1:416:A:PHE:HD1	1:471:A:ILE:HD13	20	0.13
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD11	20	0.13
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD12	20	0.13
(1,1420)	1:416:A:PHE:HD2	1:471:A:ILE:HD13	20	0.13
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD11	5	0.13
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD12	5	0.13
(1,1413)	1:407:A:LEU:HD11	1:409:A:ILE:HD13	5	0.13
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD11	5	0.13
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD12	5	0.13
(1,1413)	1:407:A:LEU:HD12	1:409:A:ILE:HD13	5	0.13
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD11	5	0.13
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD12	5	0.13
(1,1413)	1:407:A:LEU:HD13	1:409:A:ILE:HD13	5	0.13
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD11	5	0.13
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD12	5	0.13
(1,1413)	1:407:A:LEU:HD21	1:409:A:ILE:HD13	5	0.13
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD11	5	0.13
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD12	5	0.13
(1,1413)	1:407:A:LEU:HD22	1:409:A:ILE:HD13	5	0.13
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD11	5	0.13
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD12	5	0.13
(1,1413)	1:407:A:LEU:HD23	1:409:A:ILE:HD13	5	0.13
(1,1407)	1:436:A:VAL:HB	1:437:A:PHE:HB3	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1407)	1:436:A:VAL:HB	1:437:A:PHE:HB3	20	0.13
(1,1405)	1:435:A:LYS:HB2	1:437:A:PHE:HB3	1	0.13
(1,1405)	1:435:A:LYS:HB3	1:437:A:PHE:HB3	1	0.13
(1,1398)	1:432:A:ILE:HG21	1:433:A:SER:HB3	5	0.13
(1,1398)	1:432:A:ILE:HG22	1:433:A:SER:HB3	5	0.13
(1,1398)	1:432:A:ILE:HG23	1:433:A:SER:HB3	5	0.13
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	3	0.13
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	3	0.13
(1,1380)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	3	0.13
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	3	0.13
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	3	0.13
(1,1380)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	3	0.13
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	3	0.13
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	3	0.13
(1,1380)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	3	0.13
(1,1376)	1:411:A:HIS:HB2	1:474:A:LYS:HE2	11	0.13
(1,1376)	1:411:A:HIS:HB2	1:474:A:LYS:HE3	11	0.13
(1,1371)	1:439:A:ASP:HA	1:440:A:LYS:HE2	1	0.13
(1,1371)	1:439:A:ASP:HA	1:440:A:LYS:HE3	1	0.13
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB1	1	0.13
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB2	1	0.13
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB3	1	0.13
(1,1356)	1:482:A:ARG:HD2	1:483:A:SER:HA	5	0.13
(1,1356)	1:482:A:ARG:HD3	1:483:A:SER:HA	5	0.13
(1,1353)	1:412:A:LEU:HG	1:417:A:GLY:HA2	11	0.13
(1,1353)	1:412:A:LEU:HG	1:417:A:GLY:HA2	18	0.13
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD2	18	0.13
(1,1351)	1:481:A:LYS:HD2	1:482:A:ARG:HD3	18	0.13
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD2	18	0.13
(1,1351)	1:481:A:LYS:HD3	1:482:A:ARG:HD3	18	0.13
(1,1347)	1:475:A:ARG:HA	1:475:A:ARG:HD3	17	0.13
(1,1341)	1:402:A:PRO:HD3	1:405:A:ALA:HB1	19	0.13
(1,1341)	1:402:A:PRO:HD3	1:405:A:ALA:HB2	19	0.13
(1,1341)	1:402:A:PRO:HD3	1:405:A:ALA:HB3	19	0.13
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	1	0.13
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	1	0.13
(1,1339)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	1	0.13
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	1	0.13
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	1	0.13
(1,1339)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	1	0.13
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	1	0.13
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	1	0.13
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG11	3	0.13
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG12	3	0.13
(1,1337)	1:421:A:ILE:HG21	1:451:A:VAL:HG13	3	0.13
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG11	3	0.13
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG12	3	0.13
(1,1337)	1:421:A:ILE:HG22	1:451:A:VAL:HG13	3	0.13
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG11	3	0.13
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG12	3	0.13
(1,1337)	1:421:A:ILE:HG23	1:451:A:VAL:HG13	3	0.13
(1,1336)	1:421:A:ILE:HG13	1:436:A:VAL:HG11	8	0.13
(1,1336)	1:421:A:ILE:HG13	1:436:A:VAL:HG12	8	0.13
(1,1336)	1:421:A:ILE:HG13	1:436:A:VAL:HG13	8	0.13
(1,1336)	1:421:A:ILE:HG13	1:436:A:VAL:HG11	12	0.13
(1,1336)	1:421:A:ILE:HG13	1:436:A:VAL:HG12	12	0.13
(1,1336)	1:421:A:ILE:HG13	1:436:A:VAL:HG13	12	0.13
(1,1336)	1:421:A:ILE:HG13	1:436:A:VAL:HG11	15	0.13
(1,1336)	1:421:A:ILE:HG13	1:436:A:VAL:HG12	15	0.13
(1,1336)	1:421:A:ILE:HG13	1:436:A:VAL:HG13	15	0.13
(1,1334)	1:431:A:VAL:HG11	1:451:A:VAL:HG11	9	0.13
(1,1334)	1:431:A:VAL:HG11	1:451:A:VAL:HG12	9	0.13
(1,1334)	1:431:A:VAL:HG11	1:451:A:VAL:HG13	9	0.13
(1,1334)	1:431:A:VAL:HG12	1:451:A:VAL:HG11	9	0.13
(1,1334)	1:431:A:VAL:HG12	1:451:A:VAL:HG12	9	0.13
(1,1334)	1:431:A:VAL:HG12	1:451:A:VAL:HG13	9	0.13
(1,1334)	1:431:A:VAL:HG13	1:451:A:VAL:HG11	9	0.13
(1,1334)	1:431:A:VAL:HG13	1:451:A:VAL:HG12	9	0.13
(1,1334)	1:431:A:VAL:HG13	1:451:A:VAL:HG13	9	0.13
(1,1326)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	8	0.13
(1,1326)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	8	0.13
(1,1326)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	8	0.13
(1,1326)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	8	0.13
(1,1326)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	8	0.13
(1,1326)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	8	0.13
(1,1326)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	15	0.13
(1,1326)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	15	0.13
(1,1326)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	15	0.13
(1,1326)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	15	0.13
(1,1326)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	15	0.13
(1,1326)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	15	0.13
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD1	3	0.13
(1,1325)	1:451:A:VAL:HG11	1:453:A:TYR:HD2	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD1	3	0.13
(1,1325)	1:451:A:VAL:HG12	1:453:A:TYR:HD2	3	0.13
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD1	3	0.13
(1,1325)	1:451:A:VAL:HG13	1:453:A:TYR:HD2	3	0.13
(1,1322)	1:436:A:VAL:HG11	1:448:A:PHE:HA	18	0.13
(1,1322)	1:436:A:VAL:HG12	1:448:A:PHE:HA	18	0.13
(1,1322)	1:436:A:VAL:HG13	1:448:A:PHE:HA	18	0.13
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB1	7	0.13
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB2	7	0.13
(1,1320)	1:418:A:ASP:HA	1:434:A:ALA:HB3	7	0.13
(1,1315)	1:429:A:GLY:HA3	1:430:A:ASN:HA	9	0.13
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	19	0.13
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	19	0.13
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	19	0.13
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	19	0.13
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	19	0.13
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	19	0.13
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG21	12	0.13
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG22	12	0.13
(1,1308)	1:407:A:LEU:HB2	1:451:A:VAL:HG23	12	0.13
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG21	6	0.13
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG22	6	0.13
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG23	6	0.13
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG21	12	0.13
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG22	12	0.13
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG23	12	0.13
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	3	0.13
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	3	0.13
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	3	0.13
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	3	0.13
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	3	0.13
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	3	0.13
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	3	0.13
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	3	0.13
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	3	0.13
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD11	13	0.13
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD12	13	0.13
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD13	13	0.13
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD21	13	0.13
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD22	13	0.13
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD23	13	0.13
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	8	0.13
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	8	0.13
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	8	0.13
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	8	0.13
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	8	0.13
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	8	0.13
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	8	0.13
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	8	0.13
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	8	0.13
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	8	0.13
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	8	0.13
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	8	0.13
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	8	0.13
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	8	0.13
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	8	0.13
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	8	0.13
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	8	0.13
(1,1276)	1:463:A:ILE:HG12	1:478:A:VAL:HG21	6	0.13
(1,1276)	1:463:A:ILE:HG12	1:478:A:VAL:HG22	6	0.13
(1,1276)	1:463:A:ILE:HG12	1:478:A:VAL:HG23	6	0.13
(1,1276)	1:463:A:ILE:HG13	1:478:A:VAL:HG21	6	0.13
(1,1276)	1:463:A:ILE:HG13	1:478:A:VAL:HG22	6	0.13
(1,1276)	1:463:A:ILE:HG13	1:478:A:VAL:HG23	6	0.13
(1,1271)	1:425:A:PHE:HE1	1:478:A:VAL:HG21	13	0.13
(1,1271)	1:425:A:PHE:HE1	1:478:A:VAL:HG22	13	0.13
(1,1271)	1:425:A:PHE:HE1	1:478:A:VAL:HG23	13	0.13
(1,1271)	1:425:A:PHE:HE2	1:478:A:VAL:HG21	13	0.13
(1,1271)	1:425:A:PHE:HE2	1:478:A:VAL:HG22	13	0.13
(1,1271)	1:425:A:PHE:HE2	1:478:A:VAL:HG23	13	0.13
(1,1266)	1:412:A:LEU:HD11	1:413:A:PRO:HB2	13	0.13
(1,1266)	1:412:A:LEU:HD11	1:413:A:PRO:HB3	13	0.13
(1,1266)	1:412:A:LEU:HD12	1:413:A:PRO:HB2	13	0.13
(1,1266)	1:412:A:LEU:HD12	1:413:A:PRO:HB3	13	0.13
(1,1266)	1:412:A:LEU:HD13	1:413:A:PRO:HB2	13	0.13
(1,1266)	1:412:A:LEU:HD13	1:413:A:PRO:HB3	13	0.13
(1,1266)	1:412:A:LEU:HD21	1:413:A:PRO:HB2	13	0.13
(1,1266)	1:412:A:LEU:HD21	1:413:A:PRO:HB3	13	0.13
(1,1266)	1:412:A:LEU:HD22	1:413:A:PRO:HB2	13	0.13
(1,1266)	1:412:A:LEU:HD22	1:413:A:PRO:HB3	13	0.13
(1,1266)	1:412:A:LEU:HD23	1:413:A:PRO:HB2	13	0.13
(1,1266)	1:412:A:LEU:HD23	1:413:A:PRO:HB3	13	0.13
(1,1243)	1:407:A:LEU:HG	1:459:A:ALA:HA	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1242)	1:407:A:LEU:HG	1:453:A:TYR:HD1	4	0.13
(1,1242)	1:407:A:LEU:HG	1:453:A:TYR:HD2	4	0.13
(1,1242)	1:407:A:LEU:HG	1:453:A:TYR:HD1	10	0.13
(1,1242)	1:407:A:LEU:HG	1:453:A:TYR:HD2	10	0.13
(1,1220)	1:402:A:PRO:HG2	1:456:A:PRO:HD2	11	0.13
(1,1218)	1:409:A:ILE:HG13	1:451:A:VAL:H	16	0.13
(1,1218)	1:409:A:ILE:HG13	1:451:A:VAL:H	17	0.13
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	15	0.13
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	15	0.13
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	15	0.13
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	7	0.13
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	7	0.13
(1,1185)	1:411:A:HIS:HA	1:412:A:LEU:HA	3	0.13
(1,1185)	1:411:A:HIS:HA	1:412:A:LEU:HA	8	0.13
(1,1185)	1:411:A:HIS:HA	1:412:A:LEU:HA	9	0.13
(1,1185)	1:411:A:HIS:HA	1:412:A:LEU:HA	19	0.13
(1,1183)	1:463:A:ILE:HG12	1:478:A:VAL:HG21	6	0.13
(1,1183)	1:463:A:ILE:HG12	1:478:A:VAL:HG22	6	0.13
(1,1183)	1:463:A:ILE:HG12	1:478:A:VAL:HG23	6	0.13
(1,1183)	1:463:A:ILE:HG13	1:478:A:VAL:HG21	6	0.13
(1,1183)	1:463:A:ILE:HG13	1:478:A:VAL:HG22	6	0.13
(1,1183)	1:463:A:ILE:HG13	1:478:A:VAL:HG23	6	0.13
(1,1179)	1:463:A:ILE:HD11	1:479:A:GLN:HA	10	0.13
(1,1179)	1:463:A:ILE:HD12	1:479:A:GLN:HA	10	0.13
(1,1179)	1:463:A:ILE:HD13	1:479:A:GLN:HA	10	0.13
(1,1165)	1:407:A:LEU:HG	1:459:A:ALA:HA	13	0.13
(1,1161)	1:459:A:ALA:HA	1:461:A:ALA:H	7	0.13
(1,1154)	1:461:A:ALA:HA	1:462:A:ALA:HA	5	0.13
(1,1154)	1:461:A:ALA:HA	1:462:A:ALA:HA	6	0.13
(1,1154)	1:461:A:ALA:HA	1:462:A:ALA:HA	14	0.13
(1,1146)	1:438:A:ILE:HA	1:443:A:ASN:HA	10	0.13
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG2	8	0.13
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG3	8	0.13
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB2	13	0.13
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB3	13	0.13
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB2	13	0.13
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB3	13	0.13
(1,1128)	1:460:A:GLN:HG2	1:463:A:ILE:H	6	0.13
(1,1128)	1:460:A:GLN:HG3	1:463:A:ILE:H	6	0.13
(1,1115)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	10	0.13
(1,1105)	1:463:A:ILE:HA	1:478:A:VAL:HB	2	0.13
(1,1105)	1:463:A:ILE:HA	1:478:A:VAL:HB	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1092)	1:445:A:SER:HA	1:488:A:LYS:HA	6	0.13
(1,1089)	1:419:A:GLN:HA	1:422:A:LEU:HB3	8	0.13
(1,1085)	1:403:A:GLU:HG2	1:404:A:GLY:H	20	0.13
(1,1083)	1:403:A:GLU:HG3	1:404:A:GLY:H	12	0.13
(1,1083)	1:403:A:GLU:HG3	1:404:A:GLY:H	17	0.13
(1,1074)	1:432:A:ILE:HD11	1:433:A:SER:H	16	0.13
(1,1074)	1:432:A:ILE:HD12	1:433:A:SER:H	16	0.13
(1,1074)	1:432:A:ILE:HD13	1:433:A:SER:H	16	0.13
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD11	1	0.13
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD12	1	0.13
(1,1048)	1:409:A:ILE:HG21	1:421:A:ILE:HD13	1	0.13
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD11	1	0.13
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD12	1	0.13
(1,1048)	1:409:A:ILE:HG22	1:421:A:ILE:HD13	1	0.13
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD11	1	0.13
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD12	1	0.13
(1,1048)	1:409:A:ILE:HG23	1:421:A:ILE:HD13	1	0.13
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB1	19	0.13
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB2	19	0.13
(1,1046)	1:421:A:ILE:HD11	1:434:A:ALA:HB3	19	0.13
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB1	19	0.13
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB2	19	0.13
(1,1046)	1:421:A:ILE:HD12	1:434:A:ALA:HB3	19	0.13
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB1	19	0.13
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB2	19	0.13
(1,1046)	1:421:A:ILE:HD13	1:434:A:ALA:HB3	19	0.13
(1,1044)	1:412:A:LEU:HA	1:421:A:ILE:HD11	19	0.13
(1,1044)	1:412:A:LEU:HA	1:421:A:ILE:HD12	19	0.13
(1,1044)	1:412:A:LEU:HA	1:421:A:ILE:HD13	19	0.13
(1,1040)	1:421:A:ILE:HD11	1:450:A:PHE:H	8	0.13
(1,1040)	1:421:A:ILE:HD12	1:450:A:PHE:H	8	0.13
(1,1040)	1:421:A:ILE:HD13	1:450:A:PHE:H	8	0.13
(1,1016)	1:408:A:PHE:H	1:478:A:VAL:HA	19	0.13
(1,1006)	1:425:A:PHE:HB3	1:426:A:MET:HE1	6	0.13
(1,1006)	1:425:A:PHE:HB3	1:426:A:MET:HE2	6	0.13
(1,1006)	1:425:A:PHE:HB3	1:426:A:MET:HE3	6	0.13
(1,1006)	1:425:A:PHE:HB3	1:426:A:MET:HE1	17	0.13
(1,1006)	1:425:A:PHE:HB3	1:426:A:MET:HE2	17	0.13
(1,1006)	1:425:A:PHE:HB3	1:426:A:MET:HE3	17	0.13
(1,999)	1:467:A:ASN:HB2	1:468:A:GLY:H	3	0.13
(1,999)	1:467:A:ASN:HB2	1:468:A:GLY:H	6	0.13
(1,999)	1:467:A:ASN:HB2	1:468:A:GLY:H	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD11	18	0.13
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD12	18	0.13
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD13	18	0.13
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD11	20	0.13
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD12	20	0.13
(1,993)	1:407:A:LEU:HB3	1:409:A:ILE:HD13	20	0.13
(1,991)	1:409:A:ILE:HD11	1:451:A:VAL:H	17	0.13
(1,991)	1:409:A:ILE:HD12	1:451:A:VAL:H	17	0.13
(1,991)	1:409:A:ILE:HD13	1:451:A:VAL:H	17	0.13
(1,991)	1:409:A:ILE:HD11	1:451:A:VAL:H	19	0.13
(1,991)	1:409:A:ILE:HD12	1:451:A:VAL:H	19	0.13
(1,991)	1:409:A:ILE:HD13	1:451:A:VAL:H	19	0.13
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD11	10	0.13
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD12	10	0.13
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD13	10	0.13
(1,980)	1:471:A:ILE:HB	1:472:A:GLY:H	3	0.13
(1,980)	1:471:A:ILE:HB	1:472:A:GLY:H	20	0.13
(1,976)	1:438:A:ILE:HG21	1:443:A:ASN:H	1	0.13
(1,976)	1:438:A:ILE:HG22	1:443:A:ASN:H	1	0.13
(1,976)	1:438:A:ILE:HG23	1:443:A:ASN:H	1	0.13
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG21	18	0.13
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG22	18	0.13
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG23	18	0.13
(1,959)	1:432:A:ILE:HG21	1:454:A:ASP:H	11	0.13
(1,959)	1:432:A:ILE:HG22	1:454:A:ASP:H	11	0.13
(1,959)	1:432:A:ILE:HG23	1:454:A:ASP:H	11	0.13
(1,959)	1:432:A:ILE:HG21	1:454:A:ASP:H	19	0.13
(1,959)	1:432:A:ILE:HG22	1:454:A:ASP:H	19	0.13
(1,959)	1:432:A:ILE:HG23	1:454:A:ASP:H	19	0.13
(1,945)	1:461:A:ALA:HB1	1:465:A:ALA:HB1	16	0.13
(1,945)	1:461:A:ALA:HB1	1:465:A:ALA:HB2	16	0.13
(1,945)	1:461:A:ALA:HB1	1:465:A:ALA:HB3	16	0.13
(1,945)	1:461:A:ALA:HB2	1:465:A:ALA:HB1	16	0.13
(1,945)	1:461:A:ALA:HB2	1:465:A:ALA:HB2	16	0.13
(1,945)	1:461:A:ALA:HB2	1:465:A:ALA:HB3	16	0.13
(1,945)	1:461:A:ALA:HB3	1:465:A:ALA:HB1	16	0.13
(1,945)	1:461:A:ALA:HB3	1:465:A:ALA:HB2	16	0.13
(1,945)	1:461:A:ALA:HB3	1:465:A:ALA:HB3	16	0.13
(1,943)	1:409:A:ILE:HB	1:450:A:PHE:H	2	0.13
(1,911)	1:435:A:LYS:HE2	1:436:A:VAL:H	7	0.13
(1,911)	1:435:A:LYS:HE3	1:436:A:VAL:H	7	0.13
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB1	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB2	12	0.13
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB3	12	0.13
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB1	17	0.13
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB2	17	0.13
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB3	17	0.13
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB1	1	0.13
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB2	1	0.13
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB3	1	0.13
(1,886)	1:433:A:SER:HB3	1:452:A:SER:H	9	0.13
(1,884)	1:433:A:SER:HB2	1:452:A:SER:H	7	0.13
(1,879)	1:453:A:TYR:HB3	1:455:A:ASN:H	1	0.13
(1,879)	1:453:A:TYR:HB3	1:455:A:ASN:H	6	0.13
(1,879)	1:453:A:TYR:HB3	1:455:A:ASN:H	7	0.13
(1,879)	1:453:A:TYR:HB3	1:455:A:ASN:H	8	0.13
(1,879)	1:453:A:TYR:HB3	1:455:A:ASN:H	18	0.13
(1,879)	1:453:A:TYR:HB3	1:455:A:ASN:H	19	0.13
(1,868)	1:411:A:HIS:HB2	1:475:A:ARG:HD2	14	0.13
(1,868)	1:411:A:HIS:HB2	1:475:A:ARG:HD3	14	0.13
(1,868)	1:411:A:HIS:HB2	1:475:A:ARG:HD2	19	0.13
(1,868)	1:411:A:HIS:HB2	1:475:A:ARG:HD3	19	0.13
(1,863)	1:417:A:GLY:HA3	1:419:A:GLN:H	1	0.13
(1,854)	1:405:A:ALA:HB1	1:406:A:ASN:HD21	14	0.13
(1,854)	1:405:A:ALA:HB2	1:406:A:ASN:HD21	14	0.13
(1,854)	1:405:A:ALA:HB3	1:406:A:ASN:HD21	14	0.13
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD1	15	0.13
(1,853)	1:405:A:ALA:HB1	1:453:A:TYR:HD2	15	0.13
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD1	15	0.13
(1,853)	1:405:A:ALA:HB2	1:453:A:TYR:HD2	15	0.13
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD1	15	0.13
(1,853)	1:405:A:ALA:HB3	1:453:A:TYR:HD2	15	0.13
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB1	19	0.13
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB2	19	0.13
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB3	19	0.13
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG11	3	0.13
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG12	3	0.13
(1,844)	1:431:A:VAL:HG21	1:451:A:VAL:HG13	3	0.13
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG11	3	0.13
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG12	3	0.13
(1,844)	1:431:A:VAL:HG22	1:451:A:VAL:HG13	3	0.13
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG11	3	0.13
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG12	3	0.13
(1,844)	1:431:A:VAL:HG23	1:451:A:VAL:HG13	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:431:A:VAL:HG11	1:451:A:VAL:HG11	9	0.13
(1,842)	1:431:A:VAL:HG11	1:451:A:VAL:HG12	9	0.13
(1,842)	1:431:A:VAL:HG11	1:451:A:VAL:HG13	9	0.13
(1,842)	1:431:A:VAL:HG12	1:451:A:VAL:HG11	9	0.13
(1,842)	1:431:A:VAL:HG12	1:451:A:VAL:HG12	9	0.13
(1,842)	1:431:A:VAL:HG12	1:451:A:VAL:HG13	9	0.13
(1,842)	1:431:A:VAL:HG13	1:451:A:VAL:HG11	9	0.13
(1,842)	1:431:A:VAL:HG13	1:451:A:VAL:HG12	9	0.13
(1,842)	1:431:A:VAL:HG13	1:451:A:VAL:HG13	9	0.13
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG11	13	0.13
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG12	13	0.13
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG13	13	0.13
(1,833)	1:449:A:GLY:HA3	1:450:A:PHE:HB2	17	0.13
(1,831)	1:450:A:PHE:HB3	1:451:A:VAL:HB	14	0.13
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB1	7	0.13
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB2	7	0.13
(1,816)	1:418:A:ASP:HA	1:434:A:ALA:HB3	7	0.13
(1,810)	1:434:A:ALA:HB1	1:452:A:SER:H	11	0.13
(1,810)	1:434:A:ALA:HB2	1:452:A:SER:H	11	0.13
(1,810)	1:434:A:ALA:HB3	1:452:A:SER:H	11	0.13
(1,799)	1:465:A:ALA:HB1	1:467:A:ASN:H	15	0.13
(1,799)	1:465:A:ALA:HB2	1:467:A:ASN:H	15	0.13
(1,799)	1:465:A:ALA:HB3	1:467:A:ASN:H	15	0.13
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB1	19	0.13
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB2	19	0.13
(1,798)	1:462:A:ALA:HB1	1:465:A:ALA:HB3	19	0.13
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB1	19	0.13
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB2	19	0.13
(1,798)	1:462:A:ALA:HB2	1:465:A:ALA:HB3	19	0.13
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB1	19	0.13
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB2	19	0.13
(1,798)	1:462:A:ALA:HB3	1:465:A:ALA:HB3	19	0.13
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG11	5	0.13
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG12	5	0.13
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG13	5	0.13
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG21	2	0.13
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG22	2	0.13
(1,780)	1:434:A:ALA:HA	1:451:A:VAL:HG23	2	0.13
(1,750)	1:436:A:VAL:HG21	1:450:A:PHE:H	20	0.13
(1,750)	1:436:A:VAL:HG22	1:450:A:PHE:H	20	0.13
(1,750)	1:436:A:VAL:HG23	1:450:A:PHE:H	20	0.13
(1,746)	1:431:A:VAL:HG11	1:451:A:VAL:HG11	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,746)	1:431:A:VAL:HG11	1:451:A:VAL:HG12	9	0.13
(1,746)	1:431:A:VAL:HG11	1:451:A:VAL:HG13	9	0.13
(1,746)	1:431:A:VAL:HG12	1:451:A:VAL:HG11	9	0.13
(1,746)	1:431:A:VAL:HG12	1:451:A:VAL:HG12	9	0.13
(1,746)	1:431:A:VAL:HG12	1:451:A:VAL:HG13	9	0.13
(1,746)	1:431:A:VAL:HG13	1:451:A:VAL:HG11	9	0.13
(1,746)	1:431:A:VAL:HG13	1:451:A:VAL:HG12	9	0.13
(1,746)	1:431:A:VAL:HG13	1:451:A:VAL:HG13	9	0.13
(1,742)	1:426:A:MET:HE1	1:429:A:GLY:H	13	0.13
(1,742)	1:426:A:MET:HE2	1:429:A:GLY:H	13	0.13
(1,742)	1:426:A:MET:HE3	1:429:A:GLY:H	13	0.13
(1,735)	1:431:A:VAL:HG11	1:451:A:VAL:HB	15	0.13
(1,735)	1:431:A:VAL:HG12	1:451:A:VAL:HB	15	0.13
(1,735)	1:431:A:VAL:HG13	1:451:A:VAL:HB	15	0.13
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD11	18	0.13
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD12	18	0.13
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD13	18	0.13
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD11	20	0.13
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD12	20	0.13
(1,727)	1:407:A:LEU:HB3	1:409:A:ILE:HD13	20	0.13
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD11	3	0.13
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD12	3	0.13
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD13	3	0.13
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD21	3	0.13
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD22	3	0.13
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD23	3	0.13
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD11	14	0.13
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD12	14	0.13
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD13	14	0.13
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD21	14	0.13
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD22	14	0.13
(1,722)	1:442:A:THR:H	1:444:A:LEU:HD23	14	0.13
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD11	2	0.13
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD12	2	0.13
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD13	2	0.13
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD21	2	0.13
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD22	2	0.13
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD23	2	0.13
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD11	5	0.13
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD12	5	0.13
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD13	5	0.13
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD21	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD22	5	0.13
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD23	5	0.13
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD11	5	0.13
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD12	5	0.13
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD13	5	0.13
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD21	5	0.13
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD22	5	0.13
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD23	5	0.13
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	8	0.13
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	8	0.13
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	8	0.13
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	8	0.13
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	8	0.13
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	8	0.13
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	8	0.13
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	8	0.13
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	8	0.13
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	8	0.13
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	8	0.13
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	8	0.13
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	8	0.13
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	8	0.13
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	8	0.13
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	8	0.13
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	8	0.13
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	8	0.13
(1,704)	1:412:A:LEU:HD11	1:413:A:PRO:HB2	13	0.13
(1,704)	1:412:A:LEU:HD11	1:413:A:PRO:HB3	13	0.13
(1,704)	1:412:A:LEU:HD12	1:413:A:PRO:HB2	13	0.13
(1,704)	1:412:A:LEU:HD12	1:413:A:PRO:HB3	13	0.13
(1,704)	1:412:A:LEU:HD13	1:413:A:PRO:HB2	13	0.13
(1,704)	1:412:A:LEU:HD13	1:413:A:PRO:HB3	13	0.13
(1,704)	1:412:A:LEU:HD21	1:413:A:PRO:HB2	13	0.13
(1,704)	1:412:A:LEU:HD21	1:413:A:PRO:HB3	13	0.13
(1,704)	1:412:A:LEU:HD22	1:413:A:PRO:HB2	13	0.13
(1,704)	1:412:A:LEU:HD22	1:413:A:PRO:HB3	13	0.13
(1,704)	1:412:A:LEU:HD23	1:413:A:PRO:HB2	13	0.13
(1,704)	1:412:A:LEU:HD23	1:413:A:PRO:HB3	13	0.13
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG2	6	0.13
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG3	6	0.13
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG2	6	0.13
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG3	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG2	6	0.13
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG3	6	0.13
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG2	6	0.13
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG3	6	0.13
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG2	6	0.13
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG3	6	0.13
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG2	6	0.13
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG3	6	0.13
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD11	8	0.13
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD12	8	0.13
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD13	8	0.13
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD21	8	0.13
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD22	8	0.13
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD23	8	0.13
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD11	15	0.13
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD12	15	0.13
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD13	15	0.13
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD21	15	0.13
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD22	15	0.13
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD23	15	0.13
(1,684)	1:399:A:LYS:HG2	1:400:A:GLU:H	15	0.13
(1,684)	1:399:A:LYS:HG3	1:400:A:GLU:H	15	0.13
(1,674)	1:436:A:VAL:HG21	1:440:A:LYS:HG2	17	0.13
(1,674)	1:436:A:VAL:HG21	1:440:A:LYS:HG3	17	0.13
(1,674)	1:436:A:VAL:HG22	1:440:A:LYS:HG2	17	0.13
(1,674)	1:436:A:VAL:HG22	1:440:A:LYS:HG3	17	0.13
(1,674)	1:436:A:VAL:HG23	1:440:A:LYS:HG2	17	0.13
(1,674)	1:436:A:VAL:HG23	1:440:A:LYS:HG3	17	0.13
(1,668)	1:473:A:MET:HG2	1:474:A:LYS:HG3	15	0.13
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	8	0.13
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	8	0.13
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	8	0.13
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	8	0.13
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	8	0.13
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	8	0.13
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	8	0.13
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	8	0.13
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	8	0.13
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	8	0.13
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	8	0.13
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	8	0.13
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	8	0.13
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	8	0.13
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	8	0.13
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	8	0.13
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	8	0.13
(1,647)	1:407:A:LEU:HD11	1:408:A:PHE:H	14	0.13
(1,647)	1:407:A:LEU:HD12	1:408:A:PHE:H	14	0.13
(1,647)	1:407:A:LEU:HD13	1:408:A:PHE:H	14	0.13
(1,647)	1:407:A:LEU:HD21	1:408:A:PHE:H	14	0.13
(1,647)	1:407:A:LEU:HD22	1:408:A:PHE:H	14	0.13
(1,647)	1:407:A:LEU:HD23	1:408:A:PHE:H	14	0.13
(1,647)	1:407:A:LEU:HD11	1:408:A:PHE:H	16	0.13
(1,647)	1:407:A:LEU:HD12	1:408:A:PHE:H	16	0.13
(1,647)	1:407:A:LEU:HD13	1:408:A:PHE:H	16	0.13
(1,647)	1:407:A:LEU:HD21	1:408:A:PHE:H	16	0.13
(1,647)	1:407:A:LEU:HD22	1:408:A:PHE:H	16	0.13
(1,647)	1:407:A:LEU:HD23	1:408:A:PHE:H	16	0.13
(1,647)	1:407:A:LEU:HD11	1:408:A:PHE:H	20	0.13
(1,647)	1:407:A:LEU:HD12	1:408:A:PHE:H	20	0.13
(1,647)	1:407:A:LEU:HD13	1:408:A:PHE:H	20	0.13
(1,647)	1:407:A:LEU:HD21	1:408:A:PHE:H	20	0.13
(1,647)	1:407:A:LEU:HD22	1:408:A:PHE:H	20	0.13
(1,647)	1:407:A:LEU:HD23	1:408:A:PHE:H	20	0.13
(1,643)	1:410:A:TYR:HB2	1:412:A:LEU:HG	4	0.13
(1,626)	1:401:A:GLY:H	1:402:A:PRO:HD3	6	0.13
(1,626)	1:401:A:GLY:H	1:402:A:PRO:HD3	13	0.13
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB1	1	0.13
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB2	1	0.13
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB3	1	0.13
(1,604)	1:426:A:MET:HE1	1:429:A:GLY:H	13	0.13
(1,604)	1:426:A:MET:HE2	1:429:A:GLY:H	13	0.13
(1,604)	1:426:A:MET:HE3	1:429:A:GLY:H	13	0.13
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG11	14	0.13
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG12	14	0.13
(1,603)	1:429:A:GLY:H	1:431:A:VAL:HG13	14	0.13
(1,581)	1:401:A:GLY:H	1:452:A:SER:HB3	18	0.13
(1,581)	1:401:A:GLY:H	1:452:A:SER:HB3	20	0.13
(1,572)	1:414:A:GLN:HE21	1:472:A:GLY:HA2	15	0.13
(1,571)	1:464:A:GLN:HE21	1:480:A:LEU:HD11	19	0.13
(1,571)	1:464:A:GLN:HE21	1:480:A:LEU:HD12	19	0.13
(1,571)	1:464:A:GLN:HE21	1:480:A:LEU:HD13	19	0.13
(1,571)	1:464:A:GLN:HE21	1:480:A:LEU:HD21	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:464:A:GLN:HE21	1:480:A:LEU:HD22	19	0.13
(1,571)	1:464:A:GLN:HE21	1:480:A:LEU:HD23	19	0.13
(1,551)	1:404:A:GLY:H	1:405:A:ALA:HB1	19	0.13
(1,551)	1:404:A:GLY:H	1:405:A:ALA:HB2	19	0.13
(1,551)	1:404:A:GLY:H	1:405:A:ALA:HB3	19	0.13
(1,546)	1:404:A:GLY:H	1:406:A:ASN:HD22	3	0.13
(1,546)	1:404:A:GLY:H	1:406:A:ASN:HD22	13	0.13
(1,544)	1:432:A:ILE:HG21	1:454:A:ASP:H	11	0.13
(1,544)	1:432:A:ILE:HG22	1:454:A:ASP:H	11	0.13
(1,544)	1:432:A:ILE:HG23	1:454:A:ASP:H	11	0.13
(1,544)	1:432:A:ILE:HG21	1:454:A:ASP:H	19	0.13
(1,544)	1:432:A:ILE:HG22	1:454:A:ASP:H	19	0.13
(1,544)	1:432:A:ILE:HG23	1:454:A:ASP:H	19	0.13
(1,533)	1:417:A:GLY:H	1:420:A:ASP:HB3	15	0.13
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG21	7	0.13
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG22	7	0.13
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG23	7	0.13
(1,524)	1:432:A:ILE:HD11	1:433:A:SER:H	16	0.13
(1,524)	1:432:A:ILE:HD12	1:433:A:SER:H	16	0.13
(1,524)	1:432:A:ILE:HD13	1:433:A:SER:H	16	0.13
(1,523)	1:431:A:VAL:HG21	1:433:A:SER:H	14	0.13
(1,523)	1:431:A:VAL:HG22	1:433:A:SER:H	14	0.13
(1,523)	1:431:A:VAL:HG23	1:433:A:SER:H	14	0.13
(1,516)	1:402:A:PRO:HG2	1:455:A:ASN:H	5	0.13
(1,513)	1:453:A:TYR:HB3	1:455:A:ASN:H	1	0.13
(1,513)	1:453:A:TYR:HB3	1:455:A:ASN:H	6	0.13
(1,513)	1:453:A:TYR:HB3	1:455:A:ASN:H	7	0.13
(1,513)	1:453:A:TYR:HB3	1:455:A:ASN:H	8	0.13
(1,513)	1:453:A:TYR:HB3	1:455:A:ASN:H	18	0.13
(1,513)	1:453:A:TYR:HB3	1:455:A:ASN:H	19	0.13
(1,510)	1:453:A:TYR:HB2	1:455:A:ASN:H	17	0.13
(1,501)	1:467:A:ASN:H	1:467:A:ASN:HD21	5	0.13
(1,488)	1:406:A:ASN:H	1:407:A:LEU:HB3	20	0.13
(1,473)	1:444:A:LEU:H	1:445:A:SER:H	18	0.13
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD1	10	0.13
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD2	10	0.13
(1,469)	1:424:A:MET:H	1:425:A:PHE:HB3	15	0.13
(1,460)	1:457:A:VAL:H	1:460:A:GLN:H	5	0.13
(1,454)	1:458:A:SER:HA	1:460:A:GLN:H	9	0.13
(1,453)	1:456:A:PRO:HA	1:460:A:GLN:H	3	0.13
(1,425)	1:438:A:ILE:HB	1:443:A:ASN:H	17	0.13
(1,418)	1:440:A:LYS:HG2	1:441:A:GLN:H	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,418)	1:440:A:LYS:HG3	1:441:A:GLN:H	16	0.13
(1,418)	1:440:A:LYS:HG2	1:441:A:GLN:H	19	0.13
(1,418)	1:440:A:LYS:HG3	1:441:A:GLN:H	19	0.13
(1,410)	1:420:A:ASP:H	1:421:A:ILE:HG21	8	0.13
(1,410)	1:420:A:ASP:H	1:421:A:ILE:HG22	8	0.13
(1,410)	1:420:A:ASP:H	1:421:A:ILE:HG23	8	0.13
(1,405)	1:471:A:ILE:HG12	1:472:A:GLY:H	1	0.13
(1,405)	1:471:A:ILE:HG13	1:472:A:GLY:H	1	0.13
(1,404)	1:471:A:ILE:HB	1:472:A:GLY:H	3	0.13
(1,404)	1:471:A:ILE:HB	1:472:A:GLY:H	20	0.13
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD1	15	0.13
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD2	15	0.13
(1,390)	1:430:A:ASN:H	1:431:A:VAL:H	11	0.13
(1,390)	1:430:A:ASN:H	1:431:A:VAL:H	15	0.13
(1,390)	1:430:A:ASN:H	1:431:A:VAL:H	18	0.13
(1,389)	1:402:A:PRO:HA	1:406:A:ASN:HD21	12	0.13
(1,381)	1:439:A:ASP:HB2	1:444:A:LEU:H	11	0.13
(1,376)	1:444:A:LEU:H	1:445:A:SER:H	18	0.13
(1,367)	1:468:A:GLY:H	1:469:A:PHE:HB2	6	0.13
(1,367)	1:468:A:GLY:H	1:469:A:PHE:HB2	7	0.13
(1,365)	1:467:A:ASN:HB2	1:468:A:GLY:H	3	0.13
(1,365)	1:467:A:ASN:HB2	1:468:A:GLY:H	6	0.13
(1,365)	1:467:A:ASN:HB2	1:468:A:GLY:H	10	0.13
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD11	10	0.13
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD12	10	0.13
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD13	10	0.13
(1,352)	1:407:A:LEU:HD11	1:408:A:PHE:H	14	0.13
(1,352)	1:407:A:LEU:HD12	1:408:A:PHE:H	14	0.13
(1,352)	1:407:A:LEU:HD13	1:408:A:PHE:H	14	0.13
(1,352)	1:407:A:LEU:HD21	1:408:A:PHE:H	14	0.13
(1,352)	1:407:A:LEU:HD22	1:408:A:PHE:H	14	0.13
(1,352)	1:407:A:LEU:HD23	1:408:A:PHE:H	14	0.13
(1,352)	1:407:A:LEU:HD11	1:408:A:PHE:H	16	0.13
(1,352)	1:407:A:LEU:HD12	1:408:A:PHE:H	16	0.13
(1,352)	1:407:A:LEU:HD13	1:408:A:PHE:H	16	0.13
(1,352)	1:407:A:LEU:HD21	1:408:A:PHE:H	16	0.13
(1,352)	1:407:A:LEU:HD22	1:408:A:PHE:H	16	0.13
(1,352)	1:407:A:LEU:HD23	1:408:A:PHE:H	16	0.13
(1,352)	1:407:A:LEU:HD11	1:408:A:PHE:H	20	0.13
(1,352)	1:407:A:LEU:HD12	1:408:A:PHE:H	20	0.13
(1,352)	1:407:A:LEU:HD13	1:408:A:PHE:H	20	0.13
(1,352)	1:407:A:LEU:HD21	1:408:A:PHE:H	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,352)	1:407:A:LEU:HD22	1:408:A:PHE:H	20	0.13
(1,352)	1:407:A:LEU:HD23	1:408:A:PHE:H	20	0.13
(1,343)	1:465:A:ALA:HB1	1:467:A:ASN:H	15	0.13
(1,343)	1:465:A:ALA:HB2	1:467:A:ASN:H	15	0.13
(1,343)	1:465:A:ALA:HB3	1:467:A:ASN:H	15	0.13
(1,332)	1:463:A:ILE:HA	1:467:A:ASN:H	4	0.13
(1,320)	1:434:A:ALA:HB1	1:452:A:SER:H	11	0.13
(1,320)	1:434:A:ALA:HB2	1:452:A:SER:H	11	0.13
(1,320)	1:434:A:ALA:HB3	1:452:A:SER:H	11	0.13
(1,309)	1:475:A:ARG:H	1:476:A:LEU:HA	2	0.13
(1,309)	1:475:A:ARG:H	1:476:A:LEU:HA	15	0.13
(1,298)	1:405:A:ALA:H	1:453:A:TYR:HB3	14	0.13
(1,290)	1:409:A:ILE:HB	1:450:A:PHE:H	2	0.13
(1,242)	1:399:A:LYS:HG2	1:400:A:GLU:H	15	0.13
(1,242)	1:399:A:LYS:HG3	1:400:A:GLU:H	15	0.13
(1,215)	1:428:A:PHE:HB3	1:462:A:ALA:H	16	0.13
(1,212)	1:462:A:ALA:H	1:464:A:GLN:H	7	0.13
(1,212)	1:462:A:ALA:H	1:464:A:GLN:H	10	0.13
(1,199)	1:436:A:VAL:H	1:437:A:PHE:HD1	8	0.13
(1,199)	1:436:A:VAL:H	1:437:A:PHE:HD2	8	0.13
(1,197)	1:435:A:LYS:HG3	1:436:A:VAL:H	6	0.13
(1,186)	1:459:A:ALA:HA	1:461:A:ALA:H	7	0.13
(1,161)	1:480:A:LEU:H	1:481:A:LYS:H	12	0.13
(1,155)	1:407:A:LEU:H	1:408:A:PHE:HB2	18	0.13
(1,146)	1:407:A:LEU:H	1:451:A:VAL:HG21	9	0.13
(1,146)	1:407:A:LEU:H	1:451:A:VAL:HG22	9	0.13
(1,146)	1:407:A:LEU:H	1:451:A:VAL:HG23	9	0.13
(1,146)	1:407:A:LEU:H	1:451:A:VAL:HG21	17	0.13
(1,146)	1:407:A:LEU:H	1:451:A:VAL:HG22	17	0.13
(1,146)	1:407:A:LEU:H	1:451:A:VAL:HG23	17	0.13
(1,144)	1:410:A:TYR:H	1:477:A:LYS:HB2	16	0.13
(1,144)	1:410:A:TYR:H	1:477:A:LYS:HB3	16	0.13
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE1	3	0.13
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE2	3	0.13
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB2	11	0.13
(1,134)	1:422:A:LEU:H	1:423:A:GLN:HB3	11	0.13
(1,127)	1:466:A:MET:HA	1:469:A:PHE:H	19	0.13
(1,117)	1:489:A:PRO:HG2	1:490:A:TYR:H	19	0.13
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG11	1	0.13
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG12	1	0.13
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG13	1	0.13
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG11	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG12	9	0.13
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG13	9	0.13
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG11	13	0.13
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG12	13	0.13
(1,112)	1:477:A:LYS:H	1:478:A:VAL:HG13	13	0.13
(1,107)	1:410:A:TYR:H	1:477:A:LYS:H	3	0.13
(1,107)	1:410:A:TYR:H	1:477:A:LYS:H	9	0.13
(1,105)	1:408:A:PHE:HB3	1:479:A:GLN:H	9	0.13
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG21	20	0.13
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG22	20	0.13
(1,61)	1:437:A:PHE:H	1:438:A:ILE:HG23	20	0.13
(1,49)	1:439:A:ASP:H	1:444:A:LEU:HB3	3	0.13
(1,38)	1:466:A:MET:HB2	1:478:A:VAL:H	20	0.13
(1,38)	1:466:A:MET:HB3	1:478:A:VAL:H	20	0.13
(1,35)	1:467:A:ASN:HB2	1:478:A:VAL:H	14	0.13
(1,19)	1:425:A:PHE:HD1	1:426:A:MET:H	3	0.13
(1,19)	1:425:A:PHE:HD2	1:426:A:MET:H	3	0.13
(1,13)	1:432:A:ILE:H	1:454:A:ASP:H	13	0.13
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	3	0.12
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	3	0.12
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	3	0.12
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	3	0.12
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	3	0.12
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	3	0.12
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	15	0.12
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	15	0.12
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	15	0.12
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	15	0.12
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	15	0.12
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	15	0.12
(1,1602)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	19	0.12
(1,1602)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	19	0.12
(1,1602)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	19	0.12
(1,1602)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	19	0.12
(1,1602)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	19	0.12
(1,1602)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	19	0.12
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE1	13	0.12
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE2	13	0.12
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE1	16	0.12
(1,1596)	1:429:A:GLY:HA2	1:453:A:TYR:HE2	16	0.12
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE1	6	0.12
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE2	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE1	10	0.12
(1,1592)	1:453:A:TYR:HA	1:453:A:TYR:HE2	10	0.12
(1,1580)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	8	0.12
(1,1580)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	8	0.12
(1,1580)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	8	0.12
(1,1580)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	8	0.12
(1,1580)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	8	0.12
(1,1580)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	8	0.12
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB1	1	0.12
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB2	1	0.12
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB3	1	0.12
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB1	1	0.12
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB2	1	0.12
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB3	1	0.12
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE1	14	0.12
(1,1567)	1:425:A:PHE:HA	1:428:A:PHE:HE2	14	0.12
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	4	0.12
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	4	0.12
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	4	0.12
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	4	0.12
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	4	0.12
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	4	0.12
(1,1536)	1:409:A:ILE:HG21	1:410:A:TYR:HD1	15	0.12
(1,1536)	1:409:A:ILE:HG21	1:410:A:TYR:HD2	15	0.12
(1,1536)	1:409:A:ILE:HG22	1:410:A:TYR:HD1	15	0.12
(1,1536)	1:409:A:ILE:HG22	1:410:A:TYR:HD2	15	0.12
(1,1536)	1:409:A:ILE:HG23	1:410:A:TYR:HD1	15	0.12
(1,1536)	1:409:A:ILE:HG23	1:410:A:TYR:HD2	15	0.12
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE1	2	0.12
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE2	2	0.12
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	2	0.12
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	2	0.12
(1,1527)	1:461:A:ALA:HB1	1:464:A:GLN:HB2	12	0.12
(1,1527)	1:461:A:ALA:HB1	1:464:A:GLN:HB3	12	0.12
(1,1527)	1:461:A:ALA:HB2	1:464:A:GLN:HB2	12	0.12
(1,1527)	1:461:A:ALA:HB2	1:464:A:GLN:HB3	12	0.12
(1,1527)	1:461:A:ALA:HB3	1:464:A:GLN:HB2	12	0.12
(1,1527)	1:461:A:ALA:HB3	1:464:A:GLN:HB3	12	0.12
(1,1490)	1:438:A:ILE:HG21	1:443:A:ASN:HA	3	0.12
(1,1490)	1:438:A:ILE:HG22	1:443:A:ASN:HA	3	0.12
(1,1490)	1:438:A:ILE:HG23	1:443:A:ASN:HA	3	0.12
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG21	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG22	16	0.12
(1,1482)	1:399:A:LYS:HA	1:432:A:ILE:HG23	16	0.12
(1,1477)	1:481:A:LYS:HA	1:481:A:LYS:HE2	19	0.12
(1,1477)	1:481:A:LYS:HA	1:481:A:LYS:HE3	19	0.12
(1,1467)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	17	0.12
(1,1456)	1:440:A:LYS:HB2	1:441:A:GLN:HG2	3	0.12
(1,1456)	1:440:A:LYS:HB3	1:441:A:GLN:HG2	3	0.12
(1,1456)	1:440:A:LYS:HB2	1:441:A:GLN:HG2	4	0.12
(1,1456)	1:440:A:LYS:HB3	1:441:A:GLN:HG2	4	0.12
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD11	12	0.12
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD12	12	0.12
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD13	12	0.12
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG21	4	0.12
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG22	4	0.12
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG23	4	0.12
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG21	5	0.12
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG22	5	0.12
(1,1437)	1:422:A:LEU:HA	1:451:A:VAL:HG23	5	0.12
(1,1435)	1:469:A:PHE:HA	1:471:A:ILE:HD11	1	0.12
(1,1435)	1:469:A:PHE:HA	1:471:A:ILE:HD12	1	0.12
(1,1435)	1:469:A:PHE:HA	1:471:A:ILE:HD13	1	0.12
(1,1429)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	7	0.12
(1,1429)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	7	0.12
(1,1429)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	7	0.12
(1,1429)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	20	0.12
(1,1429)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	20	0.12
(1,1429)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	20	0.12
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD11	15	0.12
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD12	15	0.12
(1,1425)	1:407:A:LEU:HB2	1:463:A:ILE:HD13	15	0.12
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	17	0.12
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	17	0.12
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	17	0.12
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	17	0.12
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	17	0.12
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	17	0.12
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	19	0.12
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	19	0.12
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	19	0.12
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	19	0.12
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	19	0.12
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1407)	1:436:A:VAL:HB	1:437:A:PHE:HB3	11	0.12
(1,1406)	1:435:A:LYS:HB2	1:437:A:PHE:HB2	2	0.12
(1,1406)	1:435:A:LYS:HB3	1:437:A:PHE:HB2	2	0.12
(1,1389)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	8	0.12
(1,1389)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	8	0.12
(1,1389)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	8	0.12
(1,1389)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	8	0.12
(1,1389)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	8	0.12
(1,1389)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	8	0.12
(1,1376)	1:411:A:HIS:HB2	1:474:A:LYS:HE2	15	0.12
(1,1376)	1:411:A:HIS:HB2	1:474:A:LYS:HE3	15	0.12
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB1	20	0.12
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB2	20	0.12
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB3	20	0.12
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD11	1	0.12
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD12	1	0.12
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD13	1	0.12
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD11	6	0.12
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD12	6	0.12
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD13	6	0.12
(1,1360)	1:480:A:LEU:HB2	1:482:A:ARG:HD2	6	0.12
(1,1360)	1:480:A:LEU:HB2	1:482:A:ARG:HD3	6	0.12
(1,1360)	1:480:A:LEU:HB3	1:482:A:ARG:HD2	6	0.12
(1,1360)	1:480:A:LEU:HB3	1:482:A:ARG:HD3	6	0.12
(1,1354)	1:457:A:VAL:HA	1:460:A:GLN:HB2	19	0.12
(1,1354)	1:457:A:VAL:HA	1:460:A:GLN:HB3	19	0.12
(1,1353)	1:412:A:LEU:HG	1:417:A:GLY:HA2	20	0.12
(1,1334)	1:431:A:VAL:HG11	1:451:A:VAL:HG11	11	0.12
(1,1334)	1:431:A:VAL:HG11	1:451:A:VAL:HG12	11	0.12
(1,1334)	1:431:A:VAL:HG11	1:451:A:VAL:HG13	11	0.12
(1,1334)	1:431:A:VAL:HG12	1:451:A:VAL:HG11	11	0.12
(1,1334)	1:431:A:VAL:HG12	1:451:A:VAL:HG12	11	0.12
(1,1334)	1:431:A:VAL:HG12	1:451:A:VAL:HG13	11	0.12
(1,1334)	1:431:A:VAL:HG13	1:451:A:VAL:HG11	11	0.12
(1,1334)	1:431:A:VAL:HG13	1:451:A:VAL:HG12	11	0.12
(1,1334)	1:431:A:VAL:HG13	1:451:A:VAL:HG13	11	0.12
(1,1332)	1:431:A:VAL:HB	1:451:A:VAL:HG11	12	0.12
(1,1332)	1:431:A:VAL:HB	1:451:A:VAL:HG12	12	0.12
(1,1332)	1:431:A:VAL:HB	1:451:A:VAL:HG13	12	0.12
(1,1326)	1:451:A:VAL:HG11	1:453:A:TYR:HE1	19	0.12
(1,1326)	1:451:A:VAL:HG11	1:453:A:TYR:HE2	19	0.12
(1,1326)	1:451:A:VAL:HG12	1:453:A:TYR:HE1	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1326)	1:451:A:VAL:HG12	1:453:A:TYR:HE2	19	0.12
(1,1326)	1:451:A:VAL:HG13	1:453:A:TYR:HE1	19	0.12
(1,1326)	1:451:A:VAL:HG13	1:453:A:TYR:HE2	19	0.12
(1,1315)	1:429:A:GLY:HA3	1:430:A:ASN:HA	15	0.12
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	3	0.12
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	3	0.12
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	3	0.12
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	3	0.12
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	3	0.12
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	3	0.12
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	15	0.12
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	15	0.12
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	15	0.12
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	15	0.12
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	15	0.12
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	15	0.12
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	20	0.12
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	20	0.12
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	20	0.12
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	12	0.12
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	12	0.12
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	12	0.12
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG21	4	0.12
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG22	4	0.12
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG23	4	0.12
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG21	5	0.12
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG22	5	0.12
(1,1305)	1:422:A:LEU:HA	1:451:A:VAL:HG23	5	0.12
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG21	8	0.12
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG22	8	0.12
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG23	8	0.12
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG21	17	0.12
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG22	17	0.12
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG23	17	0.12
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG21	18	0.12
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG22	18	0.12
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG23	18	0.12
(1,1286)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	10	0.12
(1,1286)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	10	0.12
(1,1286)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	10	0.12
(1,1276)	1:463:A:ILE:HG12	1:478:A:VAL:HG21	19	0.12
(1,1276)	1:463:A:ILE:HG12	1:478:A:VAL:HG22	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1276)	1:463:A:ILE:HG12	1:478:A:VAL:HG23	19	0.12
(1,1276)	1:463:A:ILE:HG13	1:478:A:VAL:HG21	19	0.12
(1,1276)	1:463:A:ILE:HG13	1:478:A:VAL:HG22	19	0.12
(1,1276)	1:463:A:ILE:HG13	1:478:A:VAL:HG23	19	0.12
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG2	16	0.12
(1,1262)	1:480:A:LEU:HD11	1:482:A:ARG:HG3	16	0.12
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG2	16	0.12
(1,1262)	1:480:A:LEU:HD12	1:482:A:ARG:HG3	16	0.12
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG2	16	0.12
(1,1262)	1:480:A:LEU:HD13	1:482:A:ARG:HG3	16	0.12
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG2	16	0.12
(1,1262)	1:480:A:LEU:HD21	1:482:A:ARG:HG3	16	0.12
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG2	16	0.12
(1,1262)	1:480:A:LEU:HD22	1:482:A:ARG:HG3	16	0.12
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG2	16	0.12
(1,1262)	1:480:A:LEU:HD23	1:482:A:ARG:HG3	16	0.12
(1,1241)	1:407:A:LEU:HG	1:425:A:PHE:HE1	20	0.12
(1,1241)	1:407:A:LEU:HG	1:425:A:PHE:HE2	20	0.12
(1,1238)	1:422:A:LEU:HG	1:423:A:GLN:HA	3	0.12
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	15	0.12
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	15	0.12
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	15	0.12
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	15	0.12
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	15	0.12
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	15	0.12
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	15	0.12
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	15	0.12
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	15	0.12
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	15	0.12
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	15	0.12
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	15	0.12
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	16	0.12
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	16	0.12
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	16	0.12
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	16	0.12
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	16	0.12
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	16	0.12
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	16	0.12
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	16	0.12
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	16	0.12
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	16	0.12
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	16	0.12
(1,1234)	1:457:A:VAL:HA	1:460:A:GLN:HB2	19	0.12
(1,1234)	1:457:A:VAL:HA	1:460:A:GLN:HB3	19	0.12
(1,1220)	1:402:A:PRO:HG2	1:456:A:PRO:HD2	12	0.12
(1,1220)	1:402:A:PRO:HG2	1:456:A:PRO:HD2	17	0.12
(1,1218)	1:409:A:ILE:HG13	1:451:A:VAL:H	8	0.12
(1,1218)	1:409:A:ILE:HG13	1:451:A:VAL:H	18	0.12
(1,1213)	1:414:A:GLN:HG2	1:415:A:GLU:HB3	2	0.12
(1,1213)	1:414:A:GLN:HG2	1:415:A:GLU:HB3	15	0.12
(1,1213)	1:414:A:GLN:HG2	1:415:A:GLU:HB3	16	0.12
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	2	0.12
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	2	0.12
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	2	0.12
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	13	0.12
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	13	0.12
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	13	0.12
(1,1209)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	3	0.12
(1,1209)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	3	0.12
(1,1209)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	3	0.12
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE1	11	0.12
(1,1208)	1:421:A:ILE:HG12	1:425:A:PHE:HE2	11	0.12
(1,1196)	1:403:A:GLU:HB2	1:404:A:GLY:H	12	0.12
(1,1185)	1:411:A:HIS:HA	1:412:A:LEU:HA	1	0.12
(1,1185)	1:411:A:HIS:HA	1:412:A:LEU:HA	4	0.12
(1,1185)	1:411:A:HIS:HA	1:412:A:LEU:HA	6	0.12
(1,1185)	1:411:A:HIS:HA	1:412:A:LEU:HA	11	0.12
(1,1185)	1:411:A:HIS:HA	1:412:A:LEU:HA	17	0.12
(1,1183)	1:463:A:ILE:HG12	1:478:A:VAL:HG21	19	0.12
(1,1183)	1:463:A:ILE:HG12	1:478:A:VAL:HG22	19	0.12
(1,1183)	1:463:A:ILE:HG12	1:478:A:VAL:HG23	19	0.12
(1,1183)	1:463:A:ILE:HG13	1:478:A:VAL:HG21	19	0.12
(1,1183)	1:463:A:ILE:HG13	1:478:A:VAL:HG22	19	0.12
(1,1183)	1:463:A:ILE:HG13	1:478:A:VAL:HG23	19	0.12
(1,1176)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	7	0.12
(1,1176)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	7	0.12
(1,1176)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	7	0.12
(1,1176)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	7	0.12
(1,1161)	1:459:A:ALA:HA	1:461:A:ALA:H	4	0.12
(1,1154)	1:461:A:ALA:HA	1:462:A:ALA:HA	1	0.12
(1,1150)	1:466:A:MET:HG2	1:467:A:ASN:H	19	0.12
(1,1150)	1:466:A:MET:HG3	1:467:A:ASN:H	19	0.12
(1,1147)	1:424:A:MET:HG2	1:425:A:PHE:H	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:424:A:MET:HG3	1:425:A:PHE:H	16	0.12
(1,1145)	1:474:A:LYS:HA	1:475:A:ARG:HG2	12	0.12
(1,1145)	1:474:A:LYS:HA	1:475:A:ARG:HG3	12	0.12
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG2	15	0.12
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG3	15	0.12
(1,1115)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	17	0.12
(1,1095)	1:416:A:PHE:HA	1:420:A:ASP:H	7	0.12
(1,1092)	1:445:A:SER:HA	1:488:A:LYS:HA	2	0.12
(1,1085)	1:403:A:GLU:HG2	1:404:A:GLY:H	17	0.12
(1,1083)	1:403:A:GLU:HG3	1:404:A:GLY:H	3	0.12
(1,1083)	1:403:A:GLU:HG3	1:404:A:GLY:H	5	0.12
(1,1083)	1:403:A:GLU:HG3	1:404:A:GLY:H	8	0.12
(1,1080)	1:422:A:LEU:HG	1:423:A:GLN:HA	3	0.12
(1,1079)	1:423:A:GLN:HA	1:426:A:MET:H	7	0.12
(1,1074)	1:432:A:ILE:HD11	1:433:A:SER:H	4	0.12
(1,1074)	1:432:A:ILE:HD12	1:433:A:SER:H	4	0.12
(1,1074)	1:432:A:ILE:HD13	1:433:A:SER:H	4	0.12
(1,1074)	1:432:A:ILE:HD11	1:433:A:SER:H	10	0.12
(1,1074)	1:432:A:ILE:HD12	1:433:A:SER:H	10	0.12
(1,1074)	1:432:A:ILE:HD13	1:433:A:SER:H	10	0.12
(1,1071)	1:432:A:ILE:HD11	1:454:A:ASP:HB2	7	0.12
(1,1071)	1:432:A:ILE:HD12	1:454:A:ASP:HB2	7	0.12
(1,1071)	1:432:A:ILE:HD13	1:454:A:ASP:HB2	7	0.12
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	1	0.12
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	1	0.12
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	1	0.12
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	4	0.12
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	4	0.12
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	4	0.12
(1,1045)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	7	0.12
(1,1045)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	7	0.12
(1,1045)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	7	0.12
(1,1045)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	20	0.12
(1,1045)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	20	0.12
(1,1045)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	20	0.12
(1,1044)	1:412:A:LEU:HA	1:421:A:ILE:HD11	16	0.12
(1,1044)	1:412:A:LEU:HA	1:421:A:ILE:HD12	16	0.12
(1,1044)	1:412:A:LEU:HA	1:421:A:ILE:HD13	16	0.12
(1,1035)	1:463:A:ILE:HD11	1:464:A:GLN:H	2	0.12
(1,1035)	1:463:A:ILE:HD12	1:464:A:GLN:H	2	0.12
(1,1035)	1:463:A:ILE:HD13	1:464:A:GLN:H	2	0.12
(1,1016)	1:408:A:PHE:H	1:478:A:VAL:HA	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1014)	1:462:A:ALA:HA	1:463:A:ILE:HB	17	0.12
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	20	0.12
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	20	0.12
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	20	0.12
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	12	0.12
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	12	0.12
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	12	0.12
(1,999)	1:467:A:ASN:HB2	1:468:A:GLY:H	20	0.12
(1,991)	1:409:A:ILE:HD11	1:451:A:VAL:H	5	0.12
(1,991)	1:409:A:ILE:HD12	1:451:A:VAL:H	5	0.12
(1,991)	1:409:A:ILE:HD13	1:451:A:VAL:H	5	0.12
(1,988)	1:409:A:ILE:HD11	1:449:A:GLY:H	13	0.12
(1,988)	1:409:A:ILE:HD12	1:449:A:GLY:H	13	0.12
(1,988)	1:409:A:ILE:HD13	1:449:A:GLY:H	13	0.12
(1,988)	1:409:A:ILE:HD11	1:449:A:GLY:H	15	0.12
(1,988)	1:409:A:ILE:HD12	1:449:A:GLY:H	15	0.12
(1,988)	1:409:A:ILE:HD13	1:449:A:GLY:H	15	0.12
(1,983)	1:430:A:ASN:HB2	1:431:A:VAL:HA	16	0.12
(1,983)	1:430:A:ASN:HB3	1:431:A:VAL:HA	16	0.12
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG21	10	0.12
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG22	10	0.12
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG23	10	0.12
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG21	10	0.12
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG22	10	0.12
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG23	10	0.12
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG21	10	0.12
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG22	10	0.12
(1,971)	1:414:A:GLN:HB3	1:471:A:ILE:HG23	10	0.12
(1,943)	1:409:A:ILE:HB	1:450:A:PHE:H	7	0.12
(1,920)	1:402:A:PRO:HG3	1:455:A:ASN:HB2	19	0.12
(1,918)	1:422:A:LEU:HB3	1:434:A:ALA:HB1	7	0.12
(1,918)	1:422:A:LEU:HB3	1:434:A:ALA:HB2	7	0.12
(1,918)	1:422:A:LEU:HB3	1:434:A:ALA:HB3	7	0.12
(1,911)	1:435:A:LYS:HE2	1:436:A:VAL:H	16	0.12
(1,911)	1:435:A:LYS:HE3	1:436:A:VAL:H	16	0.12
(1,904)	1:451:A:VAL:HG11	1:462:A:ALA:HB1	6	0.12
(1,904)	1:451:A:VAL:HG11	1:462:A:ALA:HB2	6	0.12
(1,904)	1:451:A:VAL:HG11	1:462:A:ALA:HB3	6	0.12
(1,904)	1:451:A:VAL:HG12	1:462:A:ALA:HB1	6	0.12
(1,904)	1:451:A:VAL:HG12	1:462:A:ALA:HB2	6	0.12
(1,904)	1:451:A:VAL:HG12	1:462:A:ALA:HB3	6	0.12
(1,904)	1:451:A:VAL:HG13	1:462:A:ALA:HB1	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,904)	1:451:A:VAL:HG13	1:462:A:ALA:HB2	6	0.12
(1,904)	1:451:A:VAL:HG13	1:462:A:ALA:HB3	6	0.12
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB1	20	0.12
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB2	20	0.12
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB3	20	0.12
(1,889)	1:439:A:ASP:HB2	1:444:A:LEU:HB3	13	0.12
(1,884)	1:433:A:SER:HB2	1:452:A:SER:H	9	0.12
(1,884)	1:433:A:SER:HB2	1:452:A:SER:H	16	0.12
(1,879)	1:453:A:TYR:HB3	1:455:A:ASN:H	14	0.12
(1,879)	1:453:A:TYR:HB3	1:455:A:ASN:H	20	0.12
(1,873)	1:480:A:LEU:HB2	1:482:A:ARG:HD2	6	0.12
(1,873)	1:480:A:LEU:HB2	1:482:A:ARG:HD3	6	0.12
(1,873)	1:480:A:LEU:HB3	1:482:A:ARG:HD2	6	0.12
(1,873)	1:480:A:LEU:HB3	1:482:A:ARG:HD3	6	0.12
(1,871)	1:480:A:LEU:HD11	1:482:A:ARG:HD2	16	0.12
(1,871)	1:480:A:LEU:HD11	1:482:A:ARG:HD3	16	0.12
(1,871)	1:480:A:LEU:HD12	1:482:A:ARG:HD2	16	0.12
(1,871)	1:480:A:LEU:HD12	1:482:A:ARG:HD3	16	0.12
(1,871)	1:480:A:LEU:HD13	1:482:A:ARG:HD2	16	0.12
(1,871)	1:480:A:LEU:HD13	1:482:A:ARG:HD3	16	0.12
(1,871)	1:480:A:LEU:HD21	1:482:A:ARG:HD2	16	0.12
(1,871)	1:480:A:LEU:HD21	1:482:A:ARG:HD3	16	0.12
(1,871)	1:480:A:LEU:HD22	1:482:A:ARG:HD2	16	0.12
(1,871)	1:480:A:LEU:HD22	1:482:A:ARG:HD3	16	0.12
(1,871)	1:480:A:LEU:HD23	1:482:A:ARG:HD2	16	0.12
(1,871)	1:480:A:LEU:HD23	1:482:A:ARG:HD3	16	0.12
(1,863)	1:417:A:GLY:HA3	1:419:A:GLN:H	3	0.12
(1,863)	1:417:A:GLY:HA3	1:419:A:GLN:H	11	0.12
(1,863)	1:417:A:GLY:HA3	1:419:A:GLN:H	15	0.12
(1,859)	1:408:A:PHE:H	1:409:A:ILE:HG21	15	0.12
(1,859)	1:408:A:PHE:H	1:409:A:ILE:HG22	15	0.12
(1,859)	1:408:A:PHE:H	1:409:A:ILE:HG23	15	0.12
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB1	1	0.12
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB2	1	0.12
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB3	1	0.12
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB1	3	0.12
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB2	3	0.12
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB3	3	0.12
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB1	18	0.12
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB2	18	0.12
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB3	18	0.12
(1,842)	1:431:A:VAL:HG11	1:451:A:VAL:HG11	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:431:A:VAL:HG11	1:451:A:VAL:HG12	11	0.12
(1,842)	1:431:A:VAL:HG11	1:451:A:VAL:HG13	11	0.12
(1,842)	1:431:A:VAL:HG12	1:451:A:VAL:HG11	11	0.12
(1,842)	1:431:A:VAL:HG12	1:451:A:VAL:HG12	11	0.12
(1,842)	1:431:A:VAL:HG12	1:451:A:VAL:HG13	11	0.12
(1,842)	1:431:A:VAL:HG13	1:451:A:VAL:HG11	11	0.12
(1,842)	1:431:A:VAL:HG13	1:451:A:VAL:HG12	11	0.12
(1,842)	1:431:A:VAL:HG13	1:451:A:VAL:HG13	11	0.12
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	4	0.12
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	4	0.12
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	4	0.12
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	4	0.12
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	4	0.12
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	4	0.12
(1,835)	1:443:A:ASN:HA	1:444:A:LEU:HB3	11	0.12
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB1	20	0.12
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB2	20	0.12
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB3	20	0.12
(1,799)	1:465:A:ALA:HB1	1:467:A:ASN:H	3	0.12
(1,799)	1:465:A:ALA:HB2	1:467:A:ASN:H	3	0.12
(1,799)	1:465:A:ALA:HB3	1:467:A:ASN:H	3	0.12
(1,799)	1:465:A:ALA:HB1	1:467:A:ASN:H	12	0.12
(1,799)	1:465:A:ALA:HB2	1:467:A:ASN:H	12	0.12
(1,799)	1:465:A:ALA:HB3	1:467:A:ASN:H	12	0.12
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	10	0.12
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	10	0.12
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	10	0.12
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	10	0.12
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	10	0.12
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	10	0.12
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG11	12	0.12
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG12	12	0.12
(1,793)	1:425:A:PHE:HE1	1:478:A:VAL:HG13	12	0.12
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG11	12	0.12
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG12	12	0.12
(1,793)	1:425:A:PHE:HE2	1:478:A:VAL:HG13	12	0.12
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG11	2	0.12
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG12	2	0.12
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG13	2	0.12
(1,782)	1:421:A:ILE:HG12	1:451:A:VAL:HG21	3	0.12
(1,782)	1:421:A:ILE:HG12	1:451:A:VAL:HG22	3	0.12
(1,782)	1:421:A:ILE:HG12	1:451:A:VAL:HG23	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,781)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	10	0.12
(1,781)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	10	0.12
(1,781)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	10	0.12
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD1	3	0.12
(1,772)	1:429:A:GLY:HA3	1:453:A:TYR:HD2	3	0.12
(1,768)	1:457:A:VAL:HG11	1:458:A:SER:HB2	18	0.12
(1,768)	1:457:A:VAL:HG12	1:458:A:SER:HB2	18	0.12
(1,768)	1:457:A:VAL:HG13	1:458:A:SER:HB2	18	0.12
(1,768)	1:457:A:VAL:HG21	1:458:A:SER:HB2	18	0.12
(1,768)	1:457:A:VAL:HG22	1:458:A:SER:HB2	18	0.12
(1,768)	1:457:A:VAL:HG23	1:458:A:SER:HB2	18	0.12
(1,750)	1:436:A:VAL:HG21	1:450:A:PHE:H	18	0.12
(1,750)	1:436:A:VAL:HG22	1:450:A:PHE:H	18	0.12
(1,750)	1:436:A:VAL:HG23	1:450:A:PHE:H	18	0.12
(1,746)	1:431:A:VAL:HG11	1:451:A:VAL:HG11	11	0.12
(1,746)	1:431:A:VAL:HG11	1:451:A:VAL:HG12	11	0.12
(1,746)	1:431:A:VAL:HG11	1:451:A:VAL:HG13	11	0.12
(1,746)	1:431:A:VAL:HG12	1:451:A:VAL:HG11	11	0.12
(1,746)	1:431:A:VAL:HG12	1:451:A:VAL:HG12	11	0.12
(1,746)	1:431:A:VAL:HG12	1:451:A:VAL:HG13	11	0.12
(1,746)	1:431:A:VAL:HG13	1:451:A:VAL:HG11	11	0.12
(1,746)	1:431:A:VAL:HG13	1:451:A:VAL:HG12	11	0.12
(1,746)	1:431:A:VAL:HG13	1:451:A:VAL:HG13	11	0.12
(1,742)	1:426:A:MET:HE1	1:429:A:GLY:H	8	0.12
(1,742)	1:426:A:MET:HE2	1:429:A:GLY:H	8	0.12
(1,742)	1:426:A:MET:HE3	1:429:A:GLY:H	8	0.12
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD11	20	0.12
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD12	20	0.12
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD13	20	0.12
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD21	20	0.12
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD22	20	0.12
(1,719)	1:443:A:ASN:H	1:444:A:LEU:HD23	20	0.12
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG21	11	0.12
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG22	11	0.12
(1,714)	1:477:A:LYS:H	1:478:A:VAL:HG23	11	0.12
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG21	5	0.12
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG22	5	0.12
(1,711)	1:408:A:PHE:H	1:478:A:VAL:HG23	5	0.12
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	5	0.12
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	5	0.12
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	5	0.12
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG2	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,696)	1:480:A:LEU:HD11	1:481:A:LYS:HG3	13	0.12
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG2	13	0.12
(1,696)	1:480:A:LEU:HD12	1:481:A:LYS:HG3	13	0.12
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG2	13	0.12
(1,696)	1:480:A:LEU:HD13	1:481:A:LYS:HG3	13	0.12
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG2	13	0.12
(1,696)	1:480:A:LEU:HD21	1:481:A:LYS:HG3	13	0.12
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG2	13	0.12
(1,696)	1:480:A:LEU:HD22	1:481:A:LYS:HG3	13	0.12
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG2	13	0.12
(1,696)	1:480:A:LEU:HD23	1:481:A:LYS:HG3	13	0.12
(1,694)	1:471:A:ILE:H	1:472:A:GLY:HA3	17	0.12
(1,691)	1:480:A:LEU:HD11	1:481:A:LYS:HB3	11	0.12
(1,691)	1:480:A:LEU:HD12	1:481:A:LYS:HB3	11	0.12
(1,691)	1:480:A:LEU:HD13	1:481:A:LYS:HB3	11	0.12
(1,691)	1:480:A:LEU:HD21	1:481:A:LYS:HB3	11	0.12
(1,691)	1:480:A:LEU:HD22	1:481:A:LYS:HB3	11	0.12
(1,691)	1:480:A:LEU:HD23	1:481:A:LYS:HB3	11	0.12
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD11	10	0.12
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD12	10	0.12
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD13	10	0.12
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD21	10	0.12
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD22	10	0.12
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD23	10	0.12
(1,652)	1:474:A:LYS:HG2	1:475:A:ARG:H	19	0.12
(1,642)	1:439:A:ASP:HB3	1:444:A:LEU:HG	9	0.12
(1,641)	1:466:A:MET:HB2	1:476:A:LEU:HG	18	0.12
(1,641)	1:466:A:MET:HB3	1:476:A:LEU:HG	18	0.12
(1,626)	1:401:A:GLY:H	1:402:A:PRO:HD3	1	0.12
(1,626)	1:401:A:GLY:H	1:402:A:PRO:HD3	10	0.12
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	1	0.12
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	1	0.12
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	1	0.12
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	4	0.12
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	4	0.12
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	4	0.12
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD11	11	0.12
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD12	11	0.12
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD13	11	0.12
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD21	11	0.12
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD22	11	0.12
(1,622)	1:411:A:HIS:HB2	1:476:A:LEU:HD23	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,621)	1:411:A:HIS:HB2	1:474:A:LYS:HD2	13	0.12
(1,621)	1:411:A:HIS:HB2	1:474:A:LYS:HD3	13	0.12
(1,619)	1:407:A:LEU:HG	1:453:A:TYR:H	1	0.12
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG11	2	0.12
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG12	2	0.12
(1,618)	1:407:A:LEU:HG	1:451:A:VAL:HG13	2	0.12
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB1	20	0.12
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB2	20	0.12
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB3	20	0.12
(1,607)	1:427:A:PRO:HG2	1:429:A:GLY:H	9	0.12
(1,607)	1:427:A:PRO:HG2	1:429:A:GLY:H	17	0.12
(1,604)	1:426:A:MET:HE1	1:429:A:GLY:H	8	0.12
(1,604)	1:426:A:MET:HE2	1:429:A:GLY:H	8	0.12
(1,604)	1:426:A:MET:HE3	1:429:A:GLY:H	8	0.12
(1,595)	1:439:A:ASP:HB3	1:442:A:THR:H	2	0.12
(1,595)	1:439:A:ASP:HB3	1:442:A:THR:H	11	0.12
(1,592)	1:409:A:ILE:HG21	1:449:A:GLY:H	13	0.12
(1,592)	1:409:A:ILE:HG22	1:449:A:GLY:H	13	0.12
(1,592)	1:409:A:ILE:HG23	1:449:A:GLY:H	13	0.12
(1,577)	1:401:A:GLY:H	1:452:A:SER:HB2	1	0.12
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG21	17	0.12
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG22	17	0.12
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG23	17	0.12
(1,572)	1:414:A:GLN:HE21	1:472:A:GLY:HA2	18	0.12
(1,567)	1:419:A:GLN:HE22	1:423:A:GLN:HB2	16	0.12
(1,567)	1:419:A:GLN:HE22	1:423:A:GLN:HB3	16	0.12
(1,550)	1:402:A:PRO:HG2	1:404:A:GLY:H	19	0.12
(1,546)	1:404:A:GLY:H	1:406:A:ASN:HD22	2	0.12
(1,546)	1:404:A:GLY:H	1:406:A:ASN:HD22	9	0.12
(1,546)	1:404:A:GLY:H	1:406:A:ASN:HD22	11	0.12
(1,539)	1:453:A:TYR:HB2	1:454:A:ASP:H	5	0.12
(1,538)	1:431:A:VAL:HA	1:454:A:ASP:H	3	0.12
(1,530)	1:417:A:GLY:H	1:421:A:ILE:H	3	0.12
(1,530)	1:417:A:GLY:H	1:421:A:ILE:H	4	0.12
(1,524)	1:432:A:ILE:HD11	1:433:A:SER:H	4	0.12
(1,524)	1:432:A:ILE:HD12	1:433:A:SER:H	4	0.12
(1,524)	1:432:A:ILE:HD13	1:433:A:SER:H	4	0.12
(1,524)	1:432:A:ILE:HD11	1:433:A:SER:H	10	0.12
(1,524)	1:432:A:ILE:HD12	1:433:A:SER:H	10	0.12
(1,524)	1:432:A:ILE:HD13	1:433:A:SER:H	10	0.12
(1,523)	1:431:A:VAL:HG21	1:433:A:SER:H	6	0.12
(1,523)	1:431:A:VAL:HG22	1:433:A:SER:H	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,523)	1:431:A:VAL:HG23	1:433:A:SER:H	6	0.12
(1,523)	1:431:A:VAL:HG21	1:433:A:SER:H	16	0.12
(1,523)	1:431:A:VAL:HG22	1:433:A:SER:H	16	0.12
(1,523)	1:431:A:VAL:HG23	1:433:A:SER:H	16	0.12
(1,517)	1:430:A:ASN:HD22	1:431:A:VAL:H	8	0.12
(1,516)	1:402:A:PRO:HG2	1:455:A:ASN:H	10	0.12
(1,513)	1:453:A:TYR:HB3	1:455:A:ASN:H	14	0.12
(1,513)	1:453:A:TYR:HB3	1:455:A:ASN:H	20	0.12
(1,505)	1:409:A:ILE:HG21	1:412:A:LEU:H	10	0.12
(1,505)	1:409:A:ILE:HG22	1:412:A:LEU:H	10	0.12
(1,505)	1:409:A:ILE:HG23	1:412:A:LEU:H	10	0.12
(1,492)	1:415:A:GLU:H	1:416:A:PHE:HB2	9	0.12
(1,491)	1:415:A:GLU:H	1:416:A:PHE:HD1	4	0.12
(1,491)	1:415:A:GLU:H	1:416:A:PHE:HD2	4	0.12
(1,473)	1:444:A:LEU:H	1:445:A:SER:H	10	0.12
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD1	16	0.12
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD2	16	0.12
(1,460)	1:457:A:VAL:H	1:460:A:GLN:H	12	0.12
(1,451)	1:460:A:GLN:H	1:480:A:LEU:HG	12	0.12
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD11	4	0.12
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD12	4	0.12
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD13	4	0.12
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD21	4	0.12
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD22	4	0.12
(1,448)	1:419:A:GLN:H	1:422:A:LEU:HD23	4	0.12
(1,443)	1:417:A:GLY:H	1:421:A:ILE:H	3	0.12
(1,443)	1:417:A:GLY:H	1:421:A:ILE:H	4	0.12
(1,434)	1:416:A:PHE:HB3	1:421:A:ILE:H	10	0.12
(1,434)	1:416:A:PHE:HB3	1:421:A:ILE:H	12	0.12
(1,433)	1:463:A:ILE:HD11	1:464:A:GLN:H	2	0.12
(1,433)	1:463:A:ILE:HD12	1:464:A:GLN:H	2	0.12
(1,433)	1:463:A:ILE:HD13	1:464:A:GLN:H	2	0.12
(1,418)	1:440:A:LYS:HG2	1:441:A:GLN:H	10	0.12
(1,418)	1:440:A:LYS:HG3	1:441:A:GLN:H	10	0.12
(1,418)	1:440:A:LYS:HG2	1:441:A:GLN:H	12	0.12
(1,418)	1:440:A:LYS:HG3	1:441:A:GLN:H	12	0.12
(1,418)	1:440:A:LYS:HG2	1:441:A:GLN:H	18	0.12
(1,418)	1:440:A:LYS:HG3	1:441:A:GLN:H	18	0.12
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD11	15	0.12
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD12	15	0.12
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD13	15	0.12
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD21	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD22	15	0.12
(1,409)	1:420:A:ASP:H	1:422:A:LEU:HD23	15	0.12
(1,407)	1:417:A:GLY:H	1:420:A:ASP:H	17	0.12
(1,397)	1:430:A:ASN:H	1:458:A:SER:HB3	9	0.12
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD1	2	0.12
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD2	2	0.12
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD1	8	0.12
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD2	8	0.12
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD1	10	0.12
(1,393)	1:430:A:ASN:H	1:453:A:TYR:HD2	10	0.12
(1,390)	1:430:A:ASN:H	1:431:A:VAL:H	7	0.12
(1,390)	1:430:A:ASN:H	1:431:A:VAL:H	12	0.12
(1,389)	1:402:A:PRO:HA	1:406:A:ASN:HD21	14	0.12
(1,376)	1:444:A:LEU:H	1:445:A:SER:H	10	0.12
(1,375)	1:439:A:ASP:H	1:444:A:LEU:H	2	0.12
(1,375)	1:439:A:ASP:H	1:444:A:LEU:H	6	0.12
(1,365)	1:467:A:ASN:HB2	1:468:A:GLY:H	20	0.12
(1,356)	1:461:A:ALA:H	1:463:A:ILE:H	11	0.12
(1,353)	1:407:A:LEU:HG	1:408:A:PHE:H	19	0.12
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG21	5	0.12
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG22	5	0.12
(1,351)	1:408:A:PHE:H	1:478:A:VAL:HG23	5	0.12
(1,343)	1:465:A:ALA:HB1	1:467:A:ASN:H	3	0.12
(1,343)	1:465:A:ALA:HB2	1:467:A:ASN:H	3	0.12
(1,343)	1:465:A:ALA:HB3	1:467:A:ASN:H	3	0.12
(1,343)	1:465:A:ALA:HB1	1:467:A:ASN:H	12	0.12
(1,343)	1:465:A:ALA:HB2	1:467:A:ASN:H	12	0.12
(1,343)	1:465:A:ALA:HB3	1:467:A:ASN:H	12	0.12
(1,335)	1:466:A:MET:HG2	1:467:A:ASN:H	19	0.12
(1,335)	1:466:A:MET:HG3	1:467:A:ASN:H	19	0.12
(1,332)	1:463:A:ILE:HA	1:467:A:ASN:H	13	0.12
(1,323)	1:431:A:VAL:HG21	1:452:A:SER:H	4	0.12
(1,323)	1:431:A:VAL:HG22	1:452:A:SER:H	4	0.12
(1,323)	1:431:A:VAL:HG23	1:452:A:SER:H	4	0.12
(1,323)	1:431:A:VAL:HG21	1:452:A:SER:H	6	0.12
(1,323)	1:431:A:VAL:HG22	1:452:A:SER:H	6	0.12
(1,323)	1:431:A:VAL:HG23	1:452:A:SER:H	6	0.12
(1,323)	1:431:A:VAL:HG21	1:452:A:SER:H	13	0.12
(1,323)	1:431:A:VAL:HG22	1:452:A:SER:H	13	0.12
(1,323)	1:431:A:VAL:HG23	1:452:A:SER:H	13	0.12
(1,316)	1:474:A:LYS:HG2	1:475:A:ARG:H	19	0.12
(1,301)	1:405:A:ALA:H	1:456:A:PRO:HB3	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG11	11	0.12
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG12	11	0.12
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG13	11	0.12
(1,290)	1:409:A:ILE:HB	1:450:A:PHE:H	7	0.12
(1,282)	1:407:A:LEU:HD11	1:459:A:ALA:H	13	0.12
(1,282)	1:407:A:LEU:HD12	1:459:A:ALA:H	13	0.12
(1,282)	1:407:A:LEU:HD13	1:459:A:ALA:H	13	0.12
(1,282)	1:407:A:LEU:HD21	1:459:A:ALA:H	13	0.12
(1,282)	1:407:A:LEU:HD22	1:459:A:ALA:H	13	0.12
(1,282)	1:407:A:LEU:HD23	1:459:A:ALA:H	13	0.12
(1,259)	1:435:A:LYS:H	1:450:A:PHE:HD1	13	0.12
(1,259)	1:435:A:LYS:H	1:450:A:PHE:HD2	13	0.12
(1,244)	1:399:A:LYS:HD2	1:400:A:GLU:H	12	0.12
(1,244)	1:399:A:LYS:HD3	1:400:A:GLU:H	12	0.12
(1,243)	1:400:A:GLU:H	1:401:A:GLY:H	9	0.12
(1,215)	1:428:A:PHE:HB3	1:462:A:ALA:H	11	0.12
(1,213)	1:428:A:PHE:HD1	1:462:A:ALA:H	3	0.12
(1,213)	1:428:A:PHE:HD2	1:462:A:ALA:H	3	0.12
(1,212)	1:462:A:ALA:H	1:464:A:GLN:H	2	0.12
(1,212)	1:462:A:ALA:H	1:464:A:GLN:H	5	0.12
(1,212)	1:462:A:ALA:H	1:464:A:GLN:H	16	0.12
(1,209)	1:418:A:ASP:H	1:420:A:ASP:HB3	16	0.12
(1,187)	1:460:A:GLN:HG2	1:461:A:ALA:H	1	0.12
(1,187)	1:460:A:GLN:HG3	1:461:A:ALA:H	1	0.12
(1,186)	1:459:A:ALA:HA	1:461:A:ALA:H	4	0.12
(1,185)	1:461:A:ALA:H	1:463:A:ILE:H	11	0.12
(1,181)	1:418:A:ASP:HB2	1:422:A:LEU:H	2	0.12
(1,181)	1:418:A:ASP:HB2	1:422:A:LEU:H	12	0.12
(1,179)	1:422:A:LEU:H	1:423:A:GLN:HA	19	0.12
(1,174)	1:398:A:GLN:HG3	1:399:A:LYS:H	4	0.12
(1,168)	1:463:A:ILE:HD11	1:480:A:LEU:H	9	0.12
(1,168)	1:463:A:ILE:HD12	1:480:A:LEU:H	9	0.12
(1,168)	1:463:A:ILE:HD13	1:480:A:LEU:H	9	0.12
(1,161)	1:480:A:LEU:H	1:481:A:LYS:H	2	0.12
(1,161)	1:480:A:LEU:H	1:481:A:LYS:H	5	0.12
(1,161)	1:480:A:LEU:H	1:481:A:LYS:H	17	0.12
(1,156)	1:407:A:LEU:H	1:453:A:TYR:HB3	2	0.12
(1,155)	1:407:A:LEU:H	1:408:A:PHE:HB2	10	0.12
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE1	4	0.12
(1,141)	1:410:A:TYR:H	1:410:A:TYR:HE2	4	0.12
(1,117)	1:489:A:PRO:HG2	1:490:A:TYR:H	10	0.12
(1,87)	1:481:A:LYS:H	1:481:A:LYS:HE2	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:481:A:LYS:H	1:481:A:LYS:HE3	2	0.12
(1,72)	1:414:A:GLN:H	1:415:A:GLU:HB3	9	0.12
(1,62)	1:435:A:LYS:HE2	1:437:A:PHE:H	8	0.12
(1,62)	1:435:A:LYS:HE3	1:437:A:PHE:H	8	0.12
(1,62)	1:435:A:LYS:HE2	1:437:A:PHE:H	10	0.12
(1,62)	1:435:A:LYS:HE3	1:437:A:PHE:H	10	0.12
(1,49)	1:439:A:ASP:H	1:444:A:LEU:HB3	14	0.12
(1,44)	1:439:A:ASP:H	1:444:A:LEU:H	2	0.12
(1,44)	1:439:A:ASP:H	1:444:A:LEU:H	6	0.12
(1,42)	1:439:A:ASP:H	1:444:A:LEU:HG	1	0.12
(1,35)	1:467:A:ASN:HB2	1:478:A:VAL:H	12	0.12
(1,22)	1:423:A:GLN:HA	1:426:A:MET:H	7	0.12
(1,13)	1:432:A:ILE:H	1:454:A:ASP:H	4	0.12
(1,13)	1:432:A:ILE:H	1:454:A:ASP:H	18	0.12
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	18	0.11
(1,1603)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	18	0.11
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	18	0.11
(1,1603)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	18	0.11
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	18	0.11
(1,1603)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	18	0.11
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE1	1	0.11
(1,1594)	1:429:A:GLY:H	1:453:A:TYR:HE2	1	0.11
(1,1587)	1:412:A:LEU:HG	1:416:A:PHE:HD1	3	0.11
(1,1587)	1:412:A:LEU:HG	1:416:A:PHE:HD2	3	0.11
(1,1587)	1:412:A:LEU:HG	1:416:A:PHE:HD1	11	0.11
(1,1587)	1:412:A:LEU:HG	1:416:A:PHE:HD2	11	0.11
(1,1587)	1:412:A:LEU:HG	1:416:A:PHE:HD1	15	0.11
(1,1587)	1:412:A:LEU:HG	1:416:A:PHE:HD2	15	0.11
(1,1585)	1:415:A:GLU:HG2	1:416:A:PHE:HD1	20	0.11
(1,1585)	1:415:A:GLU:HG2	1:416:A:PHE:HD2	20	0.11
(1,1585)	1:415:A:GLU:HG3	1:416:A:PHE:HD1	20	0.11
(1,1585)	1:415:A:GLU:HG3	1:416:A:PHE:HD2	20	0.11
(1,1580)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	6	0.11
(1,1580)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	6	0.11
(1,1580)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	6	0.11
(1,1580)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	6	0.11
(1,1580)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	6	0.11
(1,1580)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	6	0.11
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB1	16	0.11
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB2	16	0.11
(1,1575)	1:428:A:PHE:HD1	1:465:A:ALA:HB3	16	0.11
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB1	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB2	16	0.11
(1,1575)	1:428:A:PHE:HD2	1:465:A:ALA:HB3	16	0.11
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE1	12	0.11
(1,1574)	1:409:A:ILE:HG21	1:425:A:PHE:HE2	12	0.11
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE1	12	0.11
(1,1574)	1:409:A:ILE:HG22	1:425:A:PHE:HE2	12	0.11
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE1	12	0.11
(1,1574)	1:409:A:ILE:HG23	1:425:A:PHE:HE2	12	0.11
(1,1568)	1:428:A:PHE:HE1	1:462:A:ALA:HA	13	0.11
(1,1568)	1:428:A:PHE:HE2	1:462:A:ALA:HA	13	0.11
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD1	14	0.11
(1,1558)	1:466:A:MET:HG2	1:469:A:PHE:HD2	14	0.11
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD1	14	0.11
(1,1558)	1:466:A:MET:HG3	1:469:A:PHE:HD2	14	0.11
(1,1555)	1:428:A:PHE:H	1:428:A:PHE:HE1	2	0.11
(1,1555)	1:428:A:PHE:H	1:428:A:PHE:HE2	2	0.11
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB1	3	0.11
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB2	3	0.11
(1,1550)	1:453:A:TYR:HD1	1:459:A:ALA:HB3	3	0.11
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB1	3	0.11
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB2	3	0.11
(1,1550)	1:453:A:TYR:HD2	1:459:A:ALA:HB3	3	0.11
(1,1544)	1:421:A:ILE:HG21	1:425:A:PHE:HD1	4	0.11
(1,1544)	1:421:A:ILE:HG21	1:425:A:PHE:HD2	4	0.11
(1,1544)	1:421:A:ILE:HG22	1:425:A:PHE:HD1	4	0.11
(1,1544)	1:421:A:ILE:HG22	1:425:A:PHE:HD2	4	0.11
(1,1544)	1:421:A:ILE:HG23	1:425:A:PHE:HD1	4	0.11
(1,1544)	1:421:A:ILE:HG23	1:425:A:PHE:HD2	4	0.11
(1,1544)	1:421:A:ILE:HG21	1:425:A:PHE:HD1	14	0.11
(1,1544)	1:421:A:ILE:HG21	1:425:A:PHE:HD2	14	0.11
(1,1544)	1:421:A:ILE:HG22	1:425:A:PHE:HD1	14	0.11
(1,1544)	1:421:A:ILE:HG22	1:425:A:PHE:HD2	14	0.11
(1,1544)	1:421:A:ILE:HG23	1:425:A:PHE:HD1	14	0.11
(1,1544)	1:421:A:ILE:HG23	1:425:A:PHE:HD2	14	0.11
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD1	13	0.11
(1,1533)	1:410:A:TYR:HD1	1:448:A:PHE:HD2	13	0.11
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD1	13	0.11
(1,1533)	1:410:A:TYR:HD2	1:448:A:PHE:HD2	13	0.11
(1,1526)	1:422:A:LEU:HB3	1:423:A:GLN:HB2	13	0.11
(1,1526)	1:422:A:LEU:HB3	1:423:A:GLN:HB3	13	0.11
(1,1525)	1:463:A:ILE:HB	1:464:A:GLN:HB2	9	0.11
(1,1525)	1:463:A:ILE:HB	1:464:A:GLN:HB3	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1525)	1:463:A:ILE:HB	1:464:A:GLN:HB2	19	0.11
(1,1525)	1:463:A:ILE:HB	1:464:A:GLN:HB3	19	0.11
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD1	11	0.11
(1,1519)	1:415:A:GLU:HB3	1:416:A:PHE:HD2	11	0.11
(1,1514)	1:409:A:ILE:HG12	1:478:A:VAL:HG11	9	0.11
(1,1514)	1:409:A:ILE:HG12	1:478:A:VAL:HG12	9	0.11
(1,1514)	1:409:A:ILE:HG12	1:478:A:VAL:HG13	9	0.11
(1,1514)	1:409:A:ILE:HG12	1:478:A:VAL:HG11	10	0.11
(1,1514)	1:409:A:ILE:HG12	1:478:A:VAL:HG12	10	0.11
(1,1514)	1:409:A:ILE:HG12	1:478:A:VAL:HG13	10	0.11
(1,1493)	1:455:A:ASN:HB3	1:457:A:VAL:HB	4	0.11
(1,1478)	1:467:A:ASN:HA	1:478:A:VAL:HG21	14	0.11
(1,1478)	1:467:A:ASN:HA	1:478:A:VAL:HG22	14	0.11
(1,1478)	1:467:A:ASN:HA	1:478:A:VAL:HG23	14	0.11
(1,1475)	1:467:A:ASN:HA	1:478:A:VAL:HG21	14	0.11
(1,1475)	1:467:A:ASN:HA	1:478:A:VAL:HG22	14	0.11
(1,1475)	1:467:A:ASN:HA	1:478:A:VAL:HG23	14	0.11
(1,1467)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	9	0.11
(1,1463)	1:423:A:GLN:HG2	1:426:A:MET:HG2	9	0.11
(1,1463)	1:423:A:GLN:HG2	1:426:A:MET:HG3	9	0.11
(1,1456)	1:440:A:LYS:HB2	1:441:A:GLN:HG2	6	0.11
(1,1456)	1:440:A:LYS:HB3	1:441:A:GLN:HG2	6	0.11
(1,1456)	1:440:A:LYS:HB2	1:441:A:GLN:HG2	10	0.11
(1,1456)	1:440:A:LYS:HB3	1:441:A:GLN:HG2	10	0.11
(1,1452)	1:432:A:ILE:HG21	1:433:A:SER:HA	2	0.11
(1,1452)	1:432:A:ILE:HG22	1:433:A:SER:HA	2	0.11
(1,1452)	1:432:A:ILE:HG23	1:433:A:SER:HA	2	0.11
(1,1452)	1:432:A:ILE:HG21	1:433:A:SER:HA	12	0.11
(1,1452)	1:432:A:ILE:HG22	1:433:A:SER:HA	12	0.11
(1,1452)	1:432:A:ILE:HG23	1:433:A:SER:HA	12	0.11
(1,1445)	1:436:A:VAL:HG11	1:437:A:PHE:HA	4	0.11
(1,1445)	1:436:A:VAL:HG12	1:437:A:PHE:HA	4	0.11
(1,1445)	1:436:A:VAL:HG13	1:437:A:PHE:HA	4	0.11
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD11	16	0.11
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD12	16	0.11
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD13	16	0.11
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD11	18	0.11
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD12	18	0.11
(1,1439)	1:401:A:GLY:HA2	1:432:A:ILE:HD13	18	0.11
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	20	0.11
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	20	0.11
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG11	11	0.11
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG12	11	0.11
(1,1436)	1:422:A:LEU:HA	1:451:A:VAL:HG13	11	0.11
(1,1429)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	6	0.11
(1,1429)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	6	0.11
(1,1429)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	6	0.11
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD11	18	0.11
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD12	18	0.11
(1,1419)	1:413:A:PRO:HB2	1:471:A:ILE:HD13	18	0.11
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD11	18	0.11
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD12	18	0.11
(1,1419)	1:413:A:PRO:HB3	1:471:A:ILE:HD13	18	0.11
(1,1417)	1:463:A:ILE:HB	1:464:A:GLN:HB2	9	0.11
(1,1417)	1:463:A:ILE:HB	1:464:A:GLN:HB3	9	0.11
(1,1417)	1:463:A:ILE:HB	1:464:A:GLN:HB2	19	0.11
(1,1417)	1:463:A:ILE:HB	1:464:A:GLN:HB3	19	0.11
(1,1416)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	19	0.11
(1,1416)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	19	0.11
(1,1416)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	19	0.11
(1,1404)	1:420:A:ASP:HB2	1:423:A:GLN:HA	13	0.11
(1,1396)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	19	0.11
(1,1396)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	19	0.11
(1,1396)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	19	0.11
(1,1393)	1:432:A:ILE:HG21	1:433:A:SER:HB2	7	0.11
(1,1393)	1:432:A:ILE:HG22	1:433:A:SER:HB2	7	0.11
(1,1393)	1:432:A:ILE:HG23	1:433:A:SER:HB2	7	0.11
(1,1389)	1:428:A:PHE:HD1	1:461:A:ALA:HB1	6	0.11
(1,1389)	1:428:A:PHE:HD1	1:461:A:ALA:HB2	6	0.11
(1,1389)	1:428:A:PHE:HD1	1:461:A:ALA:HB3	6	0.11
(1,1389)	1:428:A:PHE:HD2	1:461:A:ALA:HB1	6	0.11
(1,1389)	1:428:A:PHE:HD2	1:461:A:ALA:HB2	6	0.11
(1,1389)	1:428:A:PHE:HD2	1:461:A:ALA:HB3	6	0.11
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB1	11	0.11
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB2	11	0.11
(1,1383)	1:459:A:ALA:HB1	1:462:A:ALA:HB3	11	0.11
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB1	11	0.11
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB2	11	0.11
(1,1383)	1:459:A:ALA:HB2	1:462:A:ALA:HB3	11	0.11
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB1	11	0.11
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB2	11	0.11
(1,1383)	1:459:A:ALA:HB3	1:462:A:ALA:HB3	11	0.11
(1,1376)	1:411:A:HIS:HB2	1:474:A:LYS:HE2	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1376)	1:411:A:HIS:HB2	1:474:A:LYS:HE3	8	0.11
(1,1376)	1:411:A:HIS:HB2	1:474:A:LYS:HE2	18	0.11
(1,1376)	1:411:A:HIS:HB2	1:474:A:LYS:HE3	18	0.11
(1,1371)	1:439:A:ASP:HA	1:440:A:LYS:HE2	20	0.11
(1,1371)	1:439:A:ASP:HA	1:440:A:LYS:HE3	20	0.11
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB1	2	0.11
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB2	2	0.11
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB3	2	0.11
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB1	10	0.11
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB2	10	0.11
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB3	10	0.11
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB1	13	0.11
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB2	13	0.11
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB3	13	0.11
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB1	14	0.11
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB2	14	0.11
(1,1364)	1:407:A:LEU:HG	1:462:A:ALA:HB3	14	0.11
(1,1353)	1:412:A:LEU:HG	1:417:A:GLY:HA2	4	0.11
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG11	11	0.11
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG12	11	0.11
(1,1328)	1:422:A:LEU:HA	1:451:A:VAL:HG13	11	0.11
(1,1315)	1:429:A:GLY:HA3	1:430:A:ASN:HA	12	0.11
(1,1315)	1:429:A:GLY:HA3	1:430:A:ASN:HA	18	0.11
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE1	18	0.11
(1,1311)	1:451:A:VAL:HG21	1:453:A:TYR:HE2	18	0.11
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE1	18	0.11
(1,1311)	1:451:A:VAL:HG22	1:453:A:TYR:HE2	18	0.11
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE1	18	0.11
(1,1311)	1:451:A:VAL:HG23	1:453:A:TYR:HE2	18	0.11
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	18	0.11
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	18	0.11
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	18	0.11
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	4	0.11
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	4	0.11
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	4	0.11
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	4	0.11
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	4	0.11
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	4	0.11
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	4	0.11
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	4	0.11
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	4	0.11
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	13	0.11
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	13	0.11
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	13	0.11
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	13	0.11
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	13	0.11
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	13	0.11
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	13	0.11
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	13	0.11
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG21	17	0.11
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG22	17	0.11
(1,1300)	1:421:A:ILE:HG21	1:436:A:VAL:HG23	17	0.11
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG21	17	0.11
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG22	17	0.11
(1,1300)	1:421:A:ILE:HG22	1:436:A:VAL:HG23	17	0.11
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG21	17	0.11
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG22	17	0.11
(1,1300)	1:421:A:ILE:HG23	1:436:A:VAL:HG23	17	0.11
(1,1289)	1:431:A:VAL:HG11	1:453:A:TYR:HA	9	0.11
(1,1289)	1:431:A:VAL:HG12	1:453:A:TYR:HA	9	0.11
(1,1289)	1:431:A:VAL:HG13	1:453:A:TYR:HA	9	0.11
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD1	20	0.11
(1,1287)	1:431:A:VAL:HG11	1:453:A:TYR:HD2	20	0.11
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD1	20	0.11
(1,1287)	1:431:A:VAL:HG12	1:453:A:TYR:HD2	20	0.11
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD1	20	0.11
(1,1287)	1:431:A:VAL:HG13	1:453:A:TYR:HD2	20	0.11
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD11	4	0.11
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD12	4	0.11
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD13	4	0.11
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD21	4	0.11
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD22	4	0.11
(1,1282)	1:442:A:THR:HA	1:444:A:LEU:HD23	4	0.11
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	17	0.11
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	17	0.11
(1,1277)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	17	0.11
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	17	0.11
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	17	0.11
(1,1277)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	17	0.11
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	17	0.11
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	17	0.11
(1,1277)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	17	0.11
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	17	0.11
(1,1277)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	17	0.11
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	17	0.11
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	17	0.11
(1,1277)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	17	0.11
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	17	0.11
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	17	0.11
(1,1277)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	17	0.11
(1,1274)	1:467:A:ASN:HA	1:478:A:VAL:HG21	14	0.11
(1,1274)	1:467:A:ASN:HA	1:478:A:VAL:HG22	14	0.11
(1,1274)	1:467:A:ASN:HA	1:478:A:VAL:HG23	14	0.11
(1,1266)	1:412:A:LEU:HD11	1:413:A:PRO:HB2	6	0.11
(1,1266)	1:412:A:LEU:HD11	1:413:A:PRO:HB3	6	0.11
(1,1266)	1:412:A:LEU:HD12	1:413:A:PRO:HB2	6	0.11
(1,1266)	1:412:A:LEU:HD12	1:413:A:PRO:HB3	6	0.11
(1,1266)	1:412:A:LEU:HD13	1:413:A:PRO:HB2	6	0.11
(1,1266)	1:412:A:LEU:HD13	1:413:A:PRO:HB3	6	0.11
(1,1266)	1:412:A:LEU:HD21	1:413:A:PRO:HB2	6	0.11
(1,1266)	1:412:A:LEU:HD21	1:413:A:PRO:HB3	6	0.11
(1,1266)	1:412:A:LEU:HD22	1:413:A:PRO:HB2	6	0.11
(1,1266)	1:412:A:LEU:HD22	1:413:A:PRO:HB3	6	0.11
(1,1266)	1:412:A:LEU:HD23	1:413:A:PRO:HB2	6	0.11
(1,1266)	1:412:A:LEU:HD23	1:413:A:PRO:HB3	6	0.11
(1,1266)	1:412:A:LEU:HD11	1:413:A:PRO:HB2	14	0.11
(1,1266)	1:412:A:LEU:HD11	1:413:A:PRO:HB3	14	0.11
(1,1266)	1:412:A:LEU:HD12	1:413:A:PRO:HB2	14	0.11
(1,1266)	1:412:A:LEU:HD12	1:413:A:PRO:HB3	14	0.11
(1,1266)	1:412:A:LEU:HD13	1:413:A:PRO:HB2	14	0.11
(1,1266)	1:412:A:LEU:HD13	1:413:A:PRO:HB3	14	0.11
(1,1266)	1:412:A:LEU:HD21	1:413:A:PRO:HB2	14	0.11
(1,1266)	1:412:A:LEU:HD21	1:413:A:PRO:HB3	14	0.11
(1,1266)	1:412:A:LEU:HD22	1:413:A:PRO:HB2	14	0.11
(1,1266)	1:412:A:LEU:HD22	1:413:A:PRO:HB3	14	0.11
(1,1266)	1:412:A:LEU:HD23	1:413:A:PRO:HB2	14	0.11
(1,1266)	1:412:A:LEU:HD23	1:413:A:PRO:HB3	14	0.11
(1,1260)	1:442:A:THR:HB	1:444:A:LEU:HG	16	0.11
(1,1255)	1:463:A:ILE:HD11	1:480:A:LEU:HG	16	0.11
(1,1255)	1:463:A:ILE:HD12	1:480:A:LEU:HG	16	0.11
(1,1255)	1:463:A:ILE:HD13	1:480:A:LEU:HG	16	0.11
(1,1254)	1:442:A:THR:HB	1:444:A:LEU:HG	16	0.11
(1,1243)	1:407:A:LEU:HG	1:459:A:ALA:HA	4	0.11
(1,1242)	1:407:A:LEU:HG	1:453:A:TYR:HD1	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1242)	1:407:A:LEU:HG	1:453:A:TYR:HD2	18	0.11
(1,1220)	1:402:A:PRO:HG2	1:456:A:PRO:HD2	6	0.11
(1,1220)	1:402:A:PRO:HG2	1:456:A:PRO:HD2	7	0.11
(1,1220)	1:402:A:PRO:HG2	1:456:A:PRO:HD2	13	0.11
(1,1190)	1:481:A:LYS:HD3	1:482:A:ARG:HB3	3	0.11
(1,1185)	1:411:A:HIS:HA	1:412:A:LEU:HA	2	0.11
(1,1179)	1:463:A:ILE:HD11	1:479:A:GLN:HA	9	0.11
(1,1179)	1:463:A:ILE:HD12	1:479:A:GLN:HA	9	0.11
(1,1179)	1:463:A:ILE:HD13	1:479:A:GLN:HA	9	0.11
(1,1176)	1:427:A:PRO:HB2	1:428:A:PHE:HE1	6	0.11
(1,1176)	1:427:A:PRO:HB2	1:428:A:PHE:HE2	6	0.11
(1,1176)	1:427:A:PRO:HB3	1:428:A:PHE:HE1	6	0.11
(1,1176)	1:427:A:PRO:HB3	1:428:A:PHE:HE2	6	0.11
(1,1174)	1:439:A:ASP:HA	1:442:A:THR:H	13	0.11
(1,1173)	1:435:A:LYS:HA	1:436:A:VAL:HG11	9	0.11
(1,1173)	1:435:A:LYS:HA	1:436:A:VAL:HG12	9	0.11
(1,1173)	1:435:A:LYS:HA	1:436:A:VAL:HG13	9	0.11
(1,1165)	1:407:A:LEU:HG	1:459:A:ALA:HA	4	0.11
(1,1161)	1:459:A:ALA:HA	1:461:A:ALA:H	6	0.11
(1,1160)	1:459:A:ALA:HA	1:462:A:ALA:H	3	0.11
(1,1154)	1:461:A:ALA:HA	1:462:A:ALA:HA	17	0.11
(1,1150)	1:466:A:MET:HG2	1:467:A:ASN:H	14	0.11
(1,1150)	1:466:A:MET:HG3	1:467:A:ASN:H	14	0.11
(1,1148)	1:424:A:MET:HG2	1:471:A:ILE:HG21	15	0.11
(1,1148)	1:424:A:MET:HG2	1:471:A:ILE:HG22	15	0.11
(1,1148)	1:424:A:MET:HG2	1:471:A:ILE:HG23	15	0.11
(1,1148)	1:424:A:MET:HG3	1:471:A:ILE:HG21	15	0.11
(1,1148)	1:424:A:MET:HG3	1:471:A:ILE:HG22	15	0.11
(1,1148)	1:424:A:MET:HG3	1:471:A:ILE:HG23	15	0.11
(1,1146)	1:438:A:ILE:HA	1:443:A:ASN:HA	2	0.11
(1,1146)	1:438:A:ILE:HA	1:443:A:ASN:HA	9	0.11
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG2	6	0.11
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG3	6	0.11
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG2	6	0.11
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG3	6	0.11
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG2	6	0.11
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG3	6	0.11
(1,1133)	1:407:A:LEU:H	1:452:A:SER:HA	9	0.11
(1,1118)	1:423:A:GLN:HG3	1:424:A:MET:H	4	0.11
(1,1118)	1:423:A:GLN:HG3	1:424:A:MET:H	19	0.11
(1,1115)	1:422:A:LEU:HB3	1:423:A:GLN:HG3	9	0.11
(1,1107)	1:423:A:GLN:HG2	1:426:A:MET:HG2	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1107)	1:423:A:GLN:HG2	1:426:A:MET:HG3	9	0.11
(1,1105)	1:463:A:ILE:HA	1:478:A:VAL:HB	4	0.11
(1,1089)	1:419:A:GLN:HA	1:422:A:LEU:HB3	2	0.11
(1,1085)	1:403:A:GLU:HG2	1:404:A:GLY:H	5	0.11
(1,1083)	1:403:A:GLU:HG3	1:404:A:GLY:H	13	0.11
(1,1083)	1:403:A:GLU:HG3	1:404:A:GLY:H	15	0.11
(1,1083)	1:403:A:GLU:HG3	1:404:A:GLY:H	19	0.11
(1,1076)	1:432:A:ILE:HD11	1:454:A:ASP:HB3	2	0.11
(1,1076)	1:432:A:ILE:HD12	1:454:A:ASP:HB3	2	0.11
(1,1076)	1:432:A:ILE:HD13	1:454:A:ASP:HB3	2	0.11
(1,1074)	1:432:A:ILE:HD11	1:433:A:SER:H	7	0.11
(1,1074)	1:432:A:ILE:HD12	1:433:A:SER:H	7	0.11
(1,1074)	1:432:A:ILE:HD13	1:433:A:SER:H	7	0.11
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	9	0.11
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	9	0.11
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	9	0.11
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	14	0.11
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	14	0.11
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	14	0.11
(1,1051)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	15	0.11
(1,1051)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	15	0.11
(1,1051)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	15	0.11
(1,1051)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	15	0.11
(1,1051)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	15	0.11
(1,1051)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	15	0.11
(1,1051)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	15	0.11
(1,1051)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	15	0.11
(1,1051)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	15	0.11
(1,1045)	1:409:A:ILE:HG13	1:421:A:ILE:HD11	6	0.11
(1,1045)	1:409:A:ILE:HG13	1:421:A:ILE:HD12	6	0.11
(1,1045)	1:409:A:ILE:HG13	1:421:A:ILE:HD13	6	0.11
(1,1044)	1:412:A:LEU:HA	1:421:A:ILE:HD11	4	0.11
(1,1044)	1:412:A:LEU:HA	1:421:A:ILE:HD12	4	0.11
(1,1044)	1:412:A:LEU:HA	1:421:A:ILE:HD13	4	0.11
(1,1012)	1:462:A:ALA:H	1:463:A:ILE:HB	5	0.11
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	18	0.11
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	18	0.11
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	18	0.11
(1,1001)	1:442:A:THR:HA	1:443:A:ASN:HB3	16	0.11
(1,999)	1:467:A:ASN:HB2	1:468:A:GLY:H	5	0.11
(1,999)	1:467:A:ASN:HB2	1:468:A:GLY:H	14	0.11
(1,999)	1:467:A:ASN:HB2	1:468:A:GLY:H	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD11	4	0.11
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD12	4	0.11
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD13	4	0.11
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD11	17	0.11
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD12	17	0.11
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD13	17	0.11
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD11	19	0.11
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD12	19	0.11
(1,989)	1:408:A:PHE:H	1:409:A:ILE:HD13	19	0.11
(1,987)	1:435:A:LYS:HE2	1:437:A:PHE:HB3	20	0.11
(1,987)	1:435:A:LYS:HE3	1:437:A:PHE:HB3	20	0.11
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG21	1	0.11
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG22	1	0.11
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG23	1	0.11
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG21	1	0.11
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG22	1	0.11
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG23	1	0.11
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG21	16	0.11
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG22	16	0.11
(1,974)	1:416:A:PHE:HE1	1:471:A:ILE:HG23	16	0.11
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG21	16	0.11
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG22	16	0.11
(1,974)	1:416:A:PHE:HE2	1:471:A:ILE:HG23	16	0.11
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG21	7	0.11
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG22	7	0.11
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG23	7	0.11
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG21	11	0.11
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG22	11	0.11
(1,970)	1:415:A:GLU:HB2	1:471:A:ILE:HG23	11	0.11
(1,952)	1:463:A:ILE:HG21	1:467:A:ASN:H	3	0.11
(1,952)	1:463:A:ILE:HG22	1:467:A:ASN:H	3	0.11
(1,952)	1:463:A:ILE:HG23	1:467:A:ASN:H	3	0.11
(1,943)	1:409:A:ILE:HB	1:450:A:PHE:H	5	0.11
(1,935)	1:405:A:ALA:H	1:459:A:ALA:HB1	18	0.11
(1,935)	1:405:A:ALA:H	1:459:A:ALA:HB2	18	0.11
(1,935)	1:405:A:ALA:H	1:459:A:ALA:HB3	18	0.11
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG2	6	0.11
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG3	6	0.11
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG2	6	0.11
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG3	6	0.11
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG2	6	0.11
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG3	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG11	9	0.11
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG12	9	0.11
(1,930)	1:421:A:ILE:HG21	1:431:A:VAL:HG13	9	0.11
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG11	9	0.11
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG12	9	0.11
(1,930)	1:421:A:ILE:HG22	1:431:A:VAL:HG13	9	0.11
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG11	9	0.11
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG12	9	0.11
(1,930)	1:421:A:ILE:HG23	1:431:A:VAL:HG13	9	0.11
(1,922)	1:455:A:ASN:HB3	1:458:A:SER:H	4	0.11
(1,918)	1:422:A:LEU:HB3	1:434:A:ALA:HB1	5	0.11
(1,918)	1:422:A:LEU:HB3	1:434:A:ALA:HB2	5	0.11
(1,918)	1:422:A:LEU:HB3	1:434:A:ALA:HB3	5	0.11
(1,918)	1:422:A:LEU:HB3	1:434:A:ALA:HB1	9	0.11
(1,918)	1:422:A:LEU:HB3	1:434:A:ALA:HB2	9	0.11
(1,918)	1:422:A:LEU:HB3	1:434:A:ALA:HB3	9	0.11
(1,912)	1:435:A:LYS:HE2	1:438:A:ILE:H	12	0.11
(1,912)	1:435:A:LYS:HE3	1:438:A:ILE:H	12	0.11
(1,911)	1:435:A:LYS:HE2	1:436:A:VAL:H	3	0.11
(1,911)	1:435:A:LYS:HE3	1:436:A:VAL:H	3	0.11
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB1	2	0.11
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB2	2	0.11
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB3	2	0.11
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB1	10	0.11
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB2	10	0.11
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB3	10	0.11
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB1	13	0.11
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB2	13	0.11
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB3	13	0.11
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB1	14	0.11
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB2	14	0.11
(1,898)	1:407:A:LEU:HG	1:462:A:ALA:HB3	14	0.11
(1,886)	1:433:A:SER:HB3	1:452:A:SER:H	2	0.11
(1,879)	1:453:A:TYR:HB3	1:455:A:ASN:H	11	0.11
(1,879)	1:453:A:TYR:HB3	1:455:A:ASN:H	15	0.11
(1,868)	1:411:A:HIS:HB2	1:475:A:ARG:HD2	13	0.11
(1,868)	1:411:A:HIS:HB2	1:475:A:ARG:HD3	13	0.11
(1,863)	1:417:A:GLY:HA3	1:419:A:GLN:H	17	0.11
(1,854)	1:405:A:ALA:HB1	1:406:A:ASN:HD21	8	0.11
(1,854)	1:405:A:ALA:HB2	1:406:A:ASN:HD21	8	0.11
(1,854)	1:405:A:ALA:HB3	1:406:A:ASN:HD21	8	0.11
(1,852)	1:405:A:ALA:HB1	1:455:A:ASN:H	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:405:A:ALA:HB2	1:455:A:ASN:H	6	0.11
(1,852)	1:405:A:ALA:HB3	1:455:A:ASN:H	6	0.11
(1,852)	1:405:A:ALA:HB1	1:455:A:ASN:H	19	0.11
(1,852)	1:405:A:ALA:HB2	1:455:A:ASN:H	19	0.11
(1,852)	1:405:A:ALA:HB3	1:455:A:ASN:H	19	0.11
(1,850)	1:405:A:ALA:HB1	1:406:A:ASN:HD22	16	0.11
(1,850)	1:405:A:ALA:HB2	1:406:A:ASN:HD22	16	0.11
(1,850)	1:405:A:ALA:HB3	1:406:A:ASN:HD22	16	0.11
(1,836)	1:444:A:LEU:HB3	1:445:A:SER:H	11	0.11
(1,832)	1:401:A:GLY:HA3	1:402:A:PRO:HG2	17	0.11
(1,825)	1:435:A:LYS:HA	1:436:A:VAL:HG11	9	0.11
(1,825)	1:435:A:LYS:HA	1:436:A:VAL:HG12	9	0.11
(1,825)	1:435:A:LYS:HA	1:436:A:VAL:HG13	9	0.11
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB1	4	0.11
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB2	4	0.11
(1,818)	1:422:A:LEU:HB2	1:434:A:ALA:HB3	4	0.11
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB1	18	0.11
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB2	18	0.11
(1,813)	1:433:A:SER:H	1:434:A:ALA:HB3	18	0.11
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG11	17	0.11
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG12	17	0.11
(1,795)	1:467:A:ASN:HB2	1:478:A:VAL:HG13	17	0.11
(1,791)	1:466:A:MET:H	1:478:A:VAL:HG11	14	0.11
(1,791)	1:466:A:MET:H	1:478:A:VAL:HG12	14	0.11
(1,791)	1:466:A:MET:H	1:478:A:VAL:HG13	14	0.11
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG11	3	0.11
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG12	3	0.11
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG13	3	0.11
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG11	9	0.11
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG12	9	0.11
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG13	9	0.11
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	6	0.11
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	6	0.11
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	6	0.11
(1,783)	1:421:A:ILE:HD11	1:451:A:VAL:HG21	15	0.11
(1,783)	1:421:A:ILE:HD11	1:451:A:VAL:HG22	15	0.11
(1,783)	1:421:A:ILE:HD11	1:451:A:VAL:HG23	15	0.11
(1,783)	1:421:A:ILE:HD12	1:451:A:VAL:HG21	15	0.11
(1,783)	1:421:A:ILE:HD12	1:451:A:VAL:HG22	15	0.11
(1,783)	1:421:A:ILE:HD12	1:451:A:VAL:HG23	15	0.11
(1,783)	1:421:A:ILE:HD13	1:451:A:VAL:HG21	15	0.11
(1,783)	1:421:A:ILE:HD13	1:451:A:VAL:HG22	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:421:A:ILE:HD13	1:451:A:VAL:HG23	15	0.11
(1,770)	1:457:A:VAL:HG11	1:458:A:SER:HB3	4	0.11
(1,770)	1:457:A:VAL:HG12	1:458:A:SER:HB3	4	0.11
(1,770)	1:457:A:VAL:HG13	1:458:A:SER:HB3	4	0.11
(1,770)	1:457:A:VAL:HG21	1:458:A:SER:HB3	4	0.11
(1,770)	1:457:A:VAL:HG22	1:458:A:SER:HB3	4	0.11
(1,770)	1:457:A:VAL:HG23	1:458:A:SER:HB3	4	0.11
(1,753)	1:421:A:ILE:H	1:436:A:VAL:HG21	12	0.11
(1,753)	1:421:A:ILE:H	1:436:A:VAL:HG22	12	0.11
(1,753)	1:421:A:ILE:H	1:436:A:VAL:HG23	12	0.11
(1,753)	1:421:A:ILE:H	1:436:A:VAL:HG21	15	0.11
(1,753)	1:421:A:ILE:H	1:436:A:VAL:HG22	15	0.11
(1,753)	1:421:A:ILE:H	1:436:A:VAL:HG23	15	0.11
(1,750)	1:436:A:VAL:HG21	1:450:A:PHE:H	6	0.11
(1,750)	1:436:A:VAL:HG22	1:450:A:PHE:H	6	0.11
(1,750)	1:436:A:VAL:HG23	1:450:A:PHE:H	6	0.11
(1,749)	1:417:A:GLY:H	1:436:A:VAL:HG21	13	0.11
(1,749)	1:417:A:GLY:H	1:436:A:VAL:HG22	13	0.11
(1,749)	1:417:A:GLY:H	1:436:A:VAL:HG23	13	0.11
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE1	14	0.11
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE2	14	0.11
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE3	14	0.11
(1,735)	1:431:A:VAL:HG11	1:451:A:VAL:HB	7	0.11
(1,735)	1:431:A:VAL:HG12	1:451:A:VAL:HB	7	0.11
(1,735)	1:431:A:VAL:HG13	1:451:A:VAL:HB	7	0.11
(1,735)	1:431:A:VAL:HG11	1:451:A:VAL:HB	14	0.11
(1,735)	1:431:A:VAL:HG12	1:451:A:VAL:HB	14	0.11
(1,735)	1:431:A:VAL:HG13	1:451:A:VAL:HB	14	0.11
(1,729)	1:407:A:LEU:HB2	1:408:A:PHE:H	11	0.11
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD1	2	0.11
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD2	2	0.11
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG21	5	0.11
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG22	5	0.11
(1,717)	1:409:A:ILE:HD11	1:478:A:VAL:HG23	5	0.11
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG21	5	0.11
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG22	5	0.11
(1,717)	1:409:A:ILE:HD12	1:478:A:VAL:HG23	5	0.11
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG21	5	0.11
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG22	5	0.11
(1,717)	1:409:A:ILE:HD13	1:478:A:VAL:HG23	5	0.11
(1,716)	1:407:A:LEU:HG	1:478:A:VAL:HG21	14	0.11
(1,716)	1:407:A:LEU:HG	1:478:A:VAL:HG22	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,716)	1:407:A:LEU:HG	1:478:A:VAL:HG23	14	0.11
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	17	0.11
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	17	0.11
(1,715)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	17	0.11
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	17	0.11
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	17	0.11
(1,715)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	17	0.11
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	17	0.11
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	17	0.11
(1,715)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	17	0.11
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	17	0.11
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	17	0.11
(1,715)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	17	0.11
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	17	0.11
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	17	0.11
(1,715)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	17	0.11
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	17	0.11
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	17	0.11
(1,715)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	17	0.11
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG21	13	0.11
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG22	13	0.11
(1,708)	1:467:A:ASN:HB2	1:478:A:VAL:HG23	13	0.11
(1,704)	1:412:A:LEU:HD11	1:413:A:PRO:HB2	6	0.11
(1,704)	1:412:A:LEU:HD11	1:413:A:PRO:HB3	6	0.11
(1,704)	1:412:A:LEU:HD12	1:413:A:PRO:HB2	6	0.11
(1,704)	1:412:A:LEU:HD12	1:413:A:PRO:HB3	6	0.11
(1,704)	1:412:A:LEU:HD13	1:413:A:PRO:HB2	6	0.11
(1,704)	1:412:A:LEU:HD13	1:413:A:PRO:HB3	6	0.11
(1,704)	1:412:A:LEU:HD21	1:413:A:PRO:HB2	6	0.11
(1,704)	1:412:A:LEU:HD21	1:413:A:PRO:HB3	6	0.11
(1,704)	1:412:A:LEU:HD22	1:413:A:PRO:HB2	6	0.11
(1,704)	1:412:A:LEU:HD22	1:413:A:PRO:HB3	6	0.11
(1,704)	1:412:A:LEU:HD23	1:413:A:PRO:HB2	6	0.11
(1,704)	1:412:A:LEU:HD23	1:413:A:PRO:HB3	6	0.11
(1,704)	1:412:A:LEU:HD11	1:413:A:PRO:HB2	14	0.11
(1,704)	1:412:A:LEU:HD11	1:413:A:PRO:HB3	14	0.11
(1,704)	1:412:A:LEU:HD12	1:413:A:PRO:HB2	14	0.11
(1,704)	1:412:A:LEU:HD12	1:413:A:PRO:HB3	14	0.11
(1,704)	1:412:A:LEU:HD13	1:413:A:PRO:HB2	14	0.11
(1,704)	1:412:A:LEU:HD13	1:413:A:PRO:HB3	14	0.11
(1,704)	1:412:A:LEU:HD21	1:413:A:PRO:HB2	14	0.11
(1,704)	1:412:A:LEU:HD21	1:413:A:PRO:HB3	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:412:A:LEU:HD22	1:413:A:PRO:HB2	14	0.11
(1,704)	1:412:A:LEU:HD22	1:413:A:PRO:HB3	14	0.11
(1,704)	1:412:A:LEU:HD23	1:413:A:PRO:HB2	14	0.11
(1,704)	1:412:A:LEU:HD23	1:413:A:PRO:HB3	14	0.11
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD11	12	0.11
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD12	12	0.11
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD13	12	0.11
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD21	12	0.11
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD22	12	0.11
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD23	12	0.11
(1,684)	1:399:A:LYS:HG2	1:400:A:GLU:H	19	0.11
(1,684)	1:399:A:LYS:HG3	1:400:A:GLU:H	19	0.11
(1,674)	1:436:A:VAL:HG21	1:440:A:LYS:HG2	4	0.11
(1,674)	1:436:A:VAL:HG21	1:440:A:LYS:HG3	4	0.11
(1,674)	1:436:A:VAL:HG22	1:440:A:LYS:HG2	4	0.11
(1,674)	1:436:A:VAL:HG22	1:440:A:LYS:HG3	4	0.11
(1,674)	1:436:A:VAL:HG23	1:440:A:LYS:HG2	4	0.11
(1,674)	1:436:A:VAL:HG23	1:440:A:LYS:HG3	4	0.11
(1,673)	1:412:A:LEU:HG	1:416:A:PHE:HD1	3	0.11
(1,673)	1:412:A:LEU:HG	1:416:A:PHE:HD2	3	0.11
(1,673)	1:412:A:LEU:HG	1:416:A:PHE:HD1	11	0.11
(1,673)	1:412:A:LEU:HG	1:416:A:PHE:HD2	11	0.11
(1,673)	1:412:A:LEU:HG	1:416:A:PHE:HD1	15	0.11
(1,673)	1:412:A:LEU:HG	1:416:A:PHE:HD2	15	0.11
(1,652)	1:474:A:LYS:HG2	1:475:A:ARG:H	1	0.11
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG21	17	0.11
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG22	17	0.11
(1,648)	1:407:A:LEU:HD11	1:478:A:VAL:HG23	17	0.11
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG21	17	0.11
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG22	17	0.11
(1,648)	1:407:A:LEU:HD12	1:478:A:VAL:HG23	17	0.11
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG21	17	0.11
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG22	17	0.11
(1,648)	1:407:A:LEU:HD13	1:478:A:VAL:HG23	17	0.11
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG21	17	0.11
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG22	17	0.11
(1,648)	1:407:A:LEU:HD21	1:478:A:VAL:HG23	17	0.11
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG21	17	0.11
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG22	17	0.11
(1,648)	1:407:A:LEU:HD22	1:478:A:VAL:HG23	17	0.11
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG21	17	0.11
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG22	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:407:A:LEU:HD23	1:478:A:VAL:HG23	17	0.11
(1,647)	1:407:A:LEU:HD11	1:408:A:PHE:H	4	0.11
(1,647)	1:407:A:LEU:HD12	1:408:A:PHE:H	4	0.11
(1,647)	1:407:A:LEU:HD13	1:408:A:PHE:H	4	0.11
(1,647)	1:407:A:LEU:HD21	1:408:A:PHE:H	4	0.11
(1,647)	1:407:A:LEU:HD22	1:408:A:PHE:H	4	0.11
(1,647)	1:407:A:LEU:HD23	1:408:A:PHE:H	4	0.11
(1,641)	1:466:A:MET:HB2	1:476:A:LEU:HG	6	0.11
(1,641)	1:466:A:MET:HB3	1:476:A:LEU:HG	6	0.11
(1,641)	1:466:A:MET:HB2	1:476:A:LEU:HG	14	0.11
(1,641)	1:466:A:MET:HB3	1:476:A:LEU:HG	14	0.11
(1,638)	1:413:A:PRO:HD2	1:476:A:LEU:HG	3	0.11
(1,638)	1:413:A:PRO:HD3	1:476:A:LEU:HG	3	0.11
(1,635)	1:469:A:PHE:HD1	1:476:A:LEU:HG	5	0.11
(1,635)	1:469:A:PHE:HD2	1:476:A:LEU:HG	5	0.11
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	9	0.11
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	9	0.11
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	9	0.11
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	14	0.11
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	14	0.11
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	14	0.11
(1,624)	1:402:A:PRO:HD2	1:403:A:GLU:HB2	14	0.11
(1,623)	1:411:A:HIS:HB2	1:475:A:ARG:HG2	6	0.11
(1,623)	1:411:A:HIS:HB2	1:475:A:ARG:HG3	6	0.11
(1,623)	1:411:A:HIS:HB2	1:475:A:ARG:HG2	15	0.11
(1,623)	1:411:A:HIS:HB2	1:475:A:ARG:HG3	15	0.11
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG21	10	0.11
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG22	10	0.11
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG23	10	0.11
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG21	18	0.11
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG22	18	0.11
(1,617)	1:407:A:LEU:HG	1:451:A:VAL:HG23	18	0.11
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB1	2	0.11
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB2	2	0.11
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB3	2	0.11
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB1	10	0.11
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB2	10	0.11
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB3	10	0.11
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB1	13	0.11
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB2	13	0.11
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB3	13	0.11
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB1	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB2	14	0.11
(1,616)	1:407:A:LEU:HG	1:462:A:ALA:HB3	14	0.11
(1,613)	1:407:A:LEU:HG	1:478:A:VAL:HG21	14	0.11
(1,613)	1:407:A:LEU:HG	1:478:A:VAL:HG22	14	0.11
(1,613)	1:407:A:LEU:HG	1:478:A:VAL:HG23	14	0.11
(1,612)	1:407:A:LEU:HG	1:451:A:VAL:H	5	0.11
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD1	11	0.11
(1,611)	1:407:A:LEU:HG	1:425:A:PHE:HD2	11	0.11
(1,610)	1:407:A:LEU:HG	1:463:A:ILE:H	6	0.11
(1,596)	1:441:A:GLN:HG3	1:442:A:THR:H	2	0.11
(1,596)	1:441:A:GLN:HG3	1:442:A:THR:H	6	0.11
(1,596)	1:441:A:GLN:HG3	1:442:A:THR:H	15	0.11
(1,596)	1:441:A:GLN:HG3	1:442:A:THR:H	20	0.11
(1,595)	1:439:A:ASP:HB3	1:442:A:THR:H	20	0.11
(1,594)	1:439:A:ASP:HB2	1:442:A:THR:H	11	0.11
(1,577)	1:401:A:GLY:H	1:452:A:SER:HB2	2	0.11
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG21	7	0.11
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG22	7	0.11
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG23	7	0.11
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG21	9	0.11
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG22	9	0.11
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG23	9	0.11
(1,572)	1:414:A:GLN:HE21	1:472:A:GLY:HA2	3	0.11
(1,568)	1:419:A:GLN:HE22	1:420:A:ASP:HB3	4	0.11
(1,568)	1:419:A:GLN:HE22	1:420:A:ASP:HB3	14	0.11
(1,564)	1:411:A:HIS:H	1:448:A:PHE:HB2	13	0.11
(1,564)	1:411:A:HIS:H	1:448:A:PHE:HB3	13	0.11
(1,564)	1:411:A:HIS:H	1:448:A:PHE:HB2	17	0.11
(1,564)	1:411:A:HIS:H	1:448:A:PHE:HB3	17	0.11
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE1	14	0.11
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE2	14	0.11
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE3	14	0.11
(1,551)	1:404:A:GLY:H	1:405:A:ALA:HB1	8	0.11
(1,551)	1:404:A:GLY:H	1:405:A:ALA:HB2	8	0.11
(1,551)	1:404:A:GLY:H	1:405:A:ALA:HB3	8	0.11
(1,546)	1:404:A:GLY:H	1:406:A:ASN:HD22	8	0.11
(1,546)	1:404:A:GLY:H	1:406:A:ASN:HD22	15	0.11
(1,541)	1:454:A:ASP:H	1:458:A:SER:HB3	3	0.11
(1,524)	1:432:A:ILE:HD11	1:433:A:SER:H	7	0.11
(1,524)	1:432:A:ILE:HD12	1:433:A:SER:H	7	0.11
(1,524)	1:432:A:ILE:HD13	1:433:A:SER:H	7	0.11
(1,513)	1:453:A:TYR:HB3	1:455:A:ASN:H	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,513)	1:453:A:TYR:HB3	1:455:A:ASN:H	15	0.11
(1,510)	1:453:A:TYR:HB2	1:455:A:ASN:H	9	0.11
(1,501)	1:467:A:ASN:H	1:467:A:ASN:HD21	6	0.11
(1,501)	1:467:A:ASN:H	1:467:A:ASN:HD21	11	0.11
(1,497)	1:454:A:ASP:HB3	1:455:A:ASN:HD22	7	0.11
(1,492)	1:415:A:GLU:H	1:416:A:PHE:HB2	12	0.11
(1,492)	1:415:A:GLU:H	1:416:A:PHE:HB2	14	0.11
(1,477)	1:444:A:LEU:HB3	1:445:A:SER:H	11	0.11
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD1	20	0.11
(1,470)	1:424:A:MET:H	1:425:A:PHE:HD2	20	0.11
(1,460)	1:457:A:VAL:H	1:460:A:GLN:H	14	0.11
(1,442)	1:421:A:ILE:H	1:436:A:VAL:HG21	12	0.11
(1,442)	1:421:A:ILE:H	1:436:A:VAL:HG22	12	0.11
(1,442)	1:421:A:ILE:H	1:436:A:VAL:HG23	12	0.11
(1,442)	1:421:A:ILE:H	1:436:A:VAL:HG21	15	0.11
(1,442)	1:421:A:ILE:H	1:436:A:VAL:HG22	15	0.11
(1,442)	1:421:A:ILE:H	1:436:A:VAL:HG23	15	0.11
(1,434)	1:416:A:PHE:HB3	1:421:A:ILE:H	18	0.11
(1,424)	1:443:A:ASN:H	1:444:A:LEU:HB3	5	0.11
(1,424)	1:443:A:ASN:H	1:444:A:LEU:HB3	17	0.11
(1,418)	1:440:A:LYS:HG2	1:441:A:GLN:H	2	0.11
(1,418)	1:440:A:LYS:HG3	1:441:A:GLN:H	2	0.11
(1,418)	1:440:A:LYS:HG2	1:441:A:GLN:H	7	0.11
(1,418)	1:440:A:LYS:HG3	1:441:A:GLN:H	7	0.11
(1,407)	1:417:A:GLY:H	1:420:A:ASP:H	1	0.11
(1,407)	1:417:A:GLY:H	1:420:A:ASP:H	2	0.11
(1,392)	1:430:A:ASN:H	1:454:A:ASP:H	3	0.11
(1,392)	1:430:A:ASN:H	1:454:A:ASP:H	11	0.11
(1,390)	1:430:A:ASN:H	1:431:A:VAL:H	20	0.11
(1,375)	1:439:A:ASP:H	1:444:A:LEU:H	3	0.11
(1,375)	1:439:A:ASP:H	1:444:A:LEU:H	7	0.11
(1,365)	1:467:A:ASN:HB2	1:468:A:GLY:H	5	0.11
(1,365)	1:467:A:ASN:HB2	1:468:A:GLY:H	14	0.11
(1,365)	1:467:A:ASN:HB2	1:468:A:GLY:H	19	0.11
(1,356)	1:461:A:ALA:H	1:463:A:ILE:H	7	0.11
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD11	4	0.11
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD12	4	0.11
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD13	4	0.11
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD11	17	0.11
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD12	17	0.11
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD13	17	0.11
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD11	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD12	19	0.11
(1,354)	1:408:A:PHE:H	1:409:A:ILE:HD13	19	0.11
(1,352)	1:407:A:LEU:HD11	1:408:A:PHE:H	4	0.11
(1,352)	1:407:A:LEU:HD12	1:408:A:PHE:H	4	0.11
(1,352)	1:407:A:LEU:HD13	1:408:A:PHE:H	4	0.11
(1,352)	1:407:A:LEU:HD21	1:408:A:PHE:H	4	0.11
(1,352)	1:407:A:LEU:HD22	1:408:A:PHE:H	4	0.11
(1,352)	1:407:A:LEU:HD23	1:408:A:PHE:H	4	0.11
(1,350)	1:407:A:LEU:HB2	1:408:A:PHE:H	11	0.11
(1,342)	1:467:A:ASN:H	1:478:A:VAL:HB	4	0.11
(1,337)	1:408:A:PHE:H	1:481:A:LYS:H	1	0.11
(1,337)	1:408:A:PHE:H	1:481:A:LYS:H	16	0.11
(1,336)	1:464:A:GLN:HB2	1:467:A:ASN:H	2	0.11
(1,336)	1:464:A:GLN:HB3	1:467:A:ASN:H	2	0.11
(1,336)	1:464:A:GLN:HB2	1:467:A:ASN:H	5	0.11
(1,336)	1:464:A:GLN:HB3	1:467:A:ASN:H	5	0.11
(1,336)	1:464:A:GLN:HB2	1:467:A:ASN:H	20	0.11
(1,336)	1:464:A:GLN:HB3	1:467:A:ASN:H	20	0.11
(1,335)	1:466:A:MET:HG2	1:467:A:ASN:H	14	0.11
(1,335)	1:466:A:MET:HG3	1:467:A:ASN:H	14	0.11
(1,334)	1:463:A:ILE:HG21	1:467:A:ASN:H	3	0.11
(1,334)	1:463:A:ILE:HG22	1:467:A:ASN:H	3	0.11
(1,334)	1:463:A:ILE:HG23	1:467:A:ASN:H	3	0.11
(1,332)	1:463:A:ILE:HA	1:467:A:ASN:H	12	0.11
(1,316)	1:474:A:LYS:HG2	1:475:A:ARG:H	1	0.11
(1,309)	1:475:A:ARG:H	1:476:A:LEU:HA	6	0.11
(1,303)	1:405:A:ALA:H	1:459:A:ALA:HB1	18	0.11
(1,303)	1:405:A:ALA:H	1:459:A:ALA:HB2	18	0.11
(1,303)	1:405:A:ALA:H	1:459:A:ALA:HB3	18	0.11
(1,301)	1:405:A:ALA:H	1:456:A:PRO:HB3	14	0.11
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG11	14	0.11
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG12	14	0.11
(1,295)	1:450:A:PHE:H	1:451:A:VAL:HG13	14	0.11
(1,290)	1:409:A:ILE:HB	1:450:A:PHE:H	5	0.11
(1,287)	1:436:A:VAL:HA	1:450:A:PHE:H	4	0.11
(1,263)	1:408:A:PHE:HD1	1:409:A:ILE:H	2	0.11
(1,263)	1:408:A:PHE:HD2	1:409:A:ILE:H	2	0.11
(1,263)	1:408:A:PHE:HD1	1:409:A:ILE:H	4	0.11
(1,263)	1:408:A:PHE:HD2	1:409:A:ILE:H	4	0.11
(1,242)	1:399:A:LYS:HG2	1:400:A:GLU:H	19	0.11
(1,242)	1:399:A:LYS:HG3	1:400:A:GLU:H	19	0.11
(1,227)	1:418:A:ASP:H	1:436:A:VAL:HB	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,217)	1:462:A:ALA:H	1:463:A:ILE:HB	5	0.11
(1,214)	1:459:A:ALA:HA	1:462:A:ALA:H	3	0.11
(1,196)	1:435:A:LYS:HD2	1:436:A:VAL:H	11	0.11
(1,196)	1:435:A:LYS:HD3	1:436:A:VAL:H	11	0.11
(1,186)	1:459:A:ALA:HA	1:461:A:ALA:H	6	0.11
(1,185)	1:461:A:ALA:H	1:463:A:ILE:H	7	0.11
(1,183)	1:421:A:ILE:HG13	1:422:A:LEU:H	2	0.11
(1,156)	1:407:A:LEU:H	1:453:A:TYR:HB3	5	0.11
(1,156)	1:407:A:LEU:H	1:453:A:TYR:HB3	10	0.11
(1,155)	1:407:A:LEU:H	1:408:A:PHE:HB2	2	0.11
(1,142)	1:410:A:TYR:H	1:411:A:HIS:HA	2	0.11
(1,142)	1:410:A:TYR:H	1:411:A:HIS:HA	14	0.11
(1,107)	1:410:A:TYR:H	1:477:A:LYS:H	1	0.11
(1,106)	1:473:A:MET:H	1:474:A:LYS:HA	6	0.11
(1,104)	1:408:A:PHE:HB2	1:479:A:GLN:H	10	0.11
(1,74)	1:414:A:GLN:H	1:415:A:GLU:HB2	8	0.11
(1,74)	1:414:A:GLN:H	1:415:A:GLU:HB2	17	0.11
(1,72)	1:414:A:GLN:H	1:415:A:GLU:HB3	4	0.11
(1,44)	1:439:A:ASP:H	1:444:A:LEU:H	3	0.11
(1,44)	1:439:A:ASP:H	1:444:A:LEU:H	7	0.11
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD11	9	0.11
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD12	9	0.11
(1,8)	1:431:A:VAL:H	1:432:A:ILE:HD13	9	0.11
(1,1597)	1:431:A:VAL:HA	1:453:A:TYR:HE1	18	0.1
(1,1597)	1:431:A:VAL:HA	1:453:A:TYR:HE2	18	0.1
(1,1585)	1:415:A:GLU:HG2	1:416:A:PHE:HD1	4	0.1
(1,1585)	1:415:A:GLU:HG2	1:416:A:PHE:HD2	4	0.1
(1,1585)	1:415:A:GLU:HG3	1:416:A:PHE:HD1	4	0.1
(1,1585)	1:415:A:GLU:HG3	1:416:A:PHE:HD2	4	0.1
(1,1568)	1:428:A:PHE:HE1	1:462:A:ALA:HA	12	0.1
(1,1568)	1:428:A:PHE:HE2	1:462:A:ALA:HA	12	0.1
(1,1566)	1:428:A:PHE:HE1	1:466:A:MET:HB2	5	0.1
(1,1566)	1:428:A:PHE:HE1	1:466:A:MET:HB3	5	0.1
(1,1566)	1:428:A:PHE:HE2	1:466:A:MET:HB2	5	0.1
(1,1566)	1:428:A:PHE:HE2	1:466:A:MET:HB3	5	0.1
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD1	3	0.1
(1,1549)	1:431:A:VAL:HA	1:453:A:TYR:HD2	3	0.1
(1,1546)	1:425:A:PHE:HD1	1:451:A:VAL:HG21	3	0.1
(1,1546)	1:425:A:PHE:HD1	1:451:A:VAL:HG22	3	0.1
(1,1546)	1:425:A:PHE:HD1	1:451:A:VAL:HG23	3	0.1
(1,1546)	1:425:A:PHE:HD2	1:451:A:VAL:HG21	3	0.1
(1,1546)	1:425:A:PHE:HD2	1:451:A:VAL:HG22	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:425:A:PHE:HD2	1:451:A:VAL:HG23	3	0.1
(1,1546)	1:425:A:PHE:HD1	1:451:A:VAL:HG21	11	0.1
(1,1546)	1:425:A:PHE:HD1	1:451:A:VAL:HG22	11	0.1
(1,1546)	1:425:A:PHE:HD1	1:451:A:VAL:HG23	11	0.1
(1,1546)	1:425:A:PHE:HD2	1:451:A:VAL:HG21	11	0.1
(1,1546)	1:425:A:PHE:HD2	1:451:A:VAL:HG22	11	0.1
(1,1546)	1:425:A:PHE:HD2	1:451:A:VAL:HG23	11	0.1
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	2	0.1
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	2	0.1
(1,1545)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	2	0.1
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	2	0.1
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	2	0.1
(1,1545)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	2	0.1
(1,1544)	1:421:A:ILE:HG21	1:425:A:PHE:HD1	16	0.1
(1,1544)	1:421:A:ILE:HG21	1:425:A:PHE:HD2	16	0.1
(1,1544)	1:421:A:ILE:HG22	1:425:A:PHE:HD1	16	0.1
(1,1544)	1:421:A:ILE:HG22	1:425:A:PHE:HD2	16	0.1
(1,1544)	1:421:A:ILE:HG23	1:425:A:PHE:HD1	16	0.1
(1,1544)	1:421:A:ILE:HG23	1:425:A:PHE:HD2	16	0.1
(1,1544)	1:421:A:ILE:HG21	1:425:A:PHE:HD1	20	0.1
(1,1544)	1:421:A:ILE:HG21	1:425:A:PHE:HD2	20	0.1
(1,1544)	1:421:A:ILE:HG22	1:425:A:PHE:HD1	20	0.1
(1,1544)	1:421:A:ILE:HG22	1:425:A:PHE:HD2	20	0.1
(1,1544)	1:421:A:ILE:HG23	1:425:A:PHE:HD1	20	0.1
(1,1544)	1:421:A:ILE:HG23	1:425:A:PHE:HD2	20	0.1
(1,1535)	1:410:A:TYR:HD1	1:448:A:PHE:HB2	6	0.1
(1,1535)	1:410:A:TYR:HD1	1:448:A:PHE:HB3	6	0.1
(1,1535)	1:410:A:TYR:HD2	1:448:A:PHE:HB2	6	0.1
(1,1535)	1:410:A:TYR:HD2	1:448:A:PHE:HB3	6	0.1
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE1	4	0.1
(1,1529)	1:427:A:PRO:HG2	1:428:A:PHE:HE2	4	0.1
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE1	4	0.1
(1,1529)	1:427:A:PRO:HG3	1:428:A:PHE:HE2	4	0.1
(1,1490)	1:438:A:ILE:HG21	1:443:A:ASN:HA	9	0.1
(1,1490)	1:438:A:ILE:HG22	1:443:A:ASN:HA	9	0.1
(1,1490)	1:438:A:ILE:HG23	1:443:A:ASN:HA	9	0.1
(1,1478)	1:467:A:ASN:HA	1:478:A:VAL:HG21	10	0.1
(1,1478)	1:467:A:ASN:HA	1:478:A:VAL:HG22	10	0.1
(1,1478)	1:467:A:ASN:HA	1:478:A:VAL:HG23	10	0.1
(1,1475)	1:467:A:ASN:HA	1:478:A:VAL:HG21	10	0.1
(1,1475)	1:467:A:ASN:HA	1:478:A:VAL:HG22	10	0.1
(1,1475)	1:467:A:ASN:HA	1:478:A:VAL:HG23	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:483:A:SER:HB2	1:484:A:LYS:HA	3	0.1
(1,1469)	1:483:A:SER:HB3	1:484:A:LYS:HA	3	0.1
(1,1456)	1:440:A:LYS:HB2	1:441:A:GLN:HG2	1	0.1
(1,1456)	1:440:A:LYS:HB3	1:441:A:GLN:HG2	1	0.1
(1,1456)	1:440:A:LYS:HB2	1:441:A:GLN:HG2	15	0.1
(1,1456)	1:440:A:LYS:HB3	1:441:A:GLN:HG2	15	0.1
(1,1452)	1:432:A:ILE:HG21	1:433:A:SER:HA	14	0.1
(1,1452)	1:432:A:ILE:HG22	1:433:A:SER:HA	14	0.1
(1,1452)	1:432:A:ILE:HG23	1:433:A:SER:HA	14	0.1
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD11	9	0.1
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD12	9	0.1
(1,1438)	1:401:A:GLY:HA3	1:432:A:ILE:HD13	9	0.1
(1,1416)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	9	0.1
(1,1416)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	9	0.1
(1,1416)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	9	0.1
(1,1406)	1:435:A:LYS:HB2	1:437:A:PHE:HB2	7	0.1
(1,1406)	1:435:A:LYS:HB3	1:437:A:PHE:HB2	7	0.1
(1,1406)	1:435:A:LYS:HB2	1:437:A:PHE:HB2	11	0.1
(1,1406)	1:435:A:LYS:HB3	1:437:A:PHE:HB2	11	0.1
(1,1404)	1:420:A:ASP:HB2	1:423:A:GLN:HA	2	0.1
(1,1396)	1:463:A:ILE:HG21	1:467:A:ASN:HB3	9	0.1
(1,1396)	1:463:A:ILE:HG22	1:467:A:ASN:HB3	9	0.1
(1,1396)	1:463:A:ILE:HG23	1:467:A:ASN:HB3	9	0.1
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD11	10	0.1
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD12	10	0.1
(1,1361)	1:412:A:LEU:HB2	1:421:A:ILE:HD13	10	0.1
(1,1356)	1:482:A:ARG:HD2	1:483:A:SER:HA	4	0.1
(1,1356)	1:482:A:ARG:HD3	1:483:A:SER:HA	4	0.1
(1,1347)	1:475:A:ARG:HA	1:475:A:ARG:HD3	8	0.1
(1,1334)	1:431:A:VAL:HG11	1:451:A:VAL:HG11	19	0.1
(1,1334)	1:431:A:VAL:HG11	1:451:A:VAL:HG12	19	0.1
(1,1334)	1:431:A:VAL:HG11	1:451:A:VAL:HG13	19	0.1
(1,1334)	1:431:A:VAL:HG12	1:451:A:VAL:HG11	19	0.1
(1,1334)	1:431:A:VAL:HG12	1:451:A:VAL:HG12	19	0.1
(1,1334)	1:431:A:VAL:HG12	1:451:A:VAL:HG13	19	0.1
(1,1334)	1:431:A:VAL:HG13	1:451:A:VAL:HG11	19	0.1
(1,1334)	1:431:A:VAL:HG13	1:451:A:VAL:HG12	19	0.1
(1,1334)	1:431:A:VAL:HG13	1:451:A:VAL:HG13	19	0.1
(1,1332)	1:431:A:VAL:HB	1:451:A:VAL:HG11	18	0.1
(1,1332)	1:431:A:VAL:HB	1:451:A:VAL:HG12	18	0.1
(1,1332)	1:431:A:VAL:HB	1:451:A:VAL:HG13	18	0.1
(1,1315)	1:429:A:GLY:HA3	1:430:A:ASN:HA	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	16	0.1
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	16	0.1
(1,1307)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	16	0.1
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	7	0.1
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	7	0.1
(1,1306)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	7	0.1
(1,1303)	1:425:A:PHE:HD1	1:451:A:VAL:HG21	3	0.1
(1,1303)	1:425:A:PHE:HD1	1:451:A:VAL:HG22	3	0.1
(1,1303)	1:425:A:PHE:HD1	1:451:A:VAL:HG23	3	0.1
(1,1303)	1:425:A:PHE:HD2	1:451:A:VAL:HG21	3	0.1
(1,1303)	1:425:A:PHE:HD2	1:451:A:VAL:HG22	3	0.1
(1,1303)	1:425:A:PHE:HD2	1:451:A:VAL:HG23	3	0.1
(1,1303)	1:425:A:PHE:HD1	1:451:A:VAL:HG21	11	0.1
(1,1303)	1:425:A:PHE:HD1	1:451:A:VAL:HG22	11	0.1
(1,1303)	1:425:A:PHE:HD1	1:451:A:VAL:HG23	11	0.1
(1,1303)	1:425:A:PHE:HD2	1:451:A:VAL:HG21	11	0.1
(1,1303)	1:425:A:PHE:HD2	1:451:A:VAL:HG22	11	0.1
(1,1303)	1:425:A:PHE:HD2	1:451:A:VAL:HG23	11	0.1
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG21	3	0.1
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG22	3	0.1
(1,1299)	1:412:A:LEU:HB2	1:436:A:VAL:HG23	3	0.1
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG21	1	0.1
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG22	1	0.1
(1,1297)	1:421:A:ILE:HB	1:436:A:VAL:HG23	1	0.1
(1,1286)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	12	0.1
(1,1286)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	12	0.1
(1,1286)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	12	0.1
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD11	14	0.1
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD12	14	0.1
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD13	14	0.1
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD21	14	0.1
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD22	14	0.1
(1,1281)	1:442:A:THR:HB	1:444:A:LEU:HD23	14	0.1
(1,1274)	1:467:A:ASN:HA	1:478:A:VAL:HG21	10	0.1
(1,1274)	1:467:A:ASN:HA	1:478:A:VAL:HG22	10	0.1
(1,1274)	1:467:A:ASN:HA	1:478:A:VAL:HG23	10	0.1
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD11	14	0.1
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD12	14	0.1
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD13	14	0.1
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD21	14	0.1
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD22	14	0.1
(1,1259)	1:442:A:THR:HB	1:444:A:LEU:HD23	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1256)	1:412:A:LEU:HG	1:421:A:ILE:HD11	19	0.1
(1,1256)	1:412:A:LEU:HG	1:421:A:ILE:HD12	19	0.1
(1,1256)	1:412:A:LEU:HG	1:421:A:ILE:HD13	19	0.1
(1,1242)	1:407:A:LEU:HG	1:453:A:TYR:HD1	1	0.1
(1,1242)	1:407:A:LEU:HG	1:453:A:TYR:HD2	1	0.1
(1,1238)	1:422:A:LEU:HG	1:423:A:GLN:HA	7	0.1
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG11	1	0.1
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG12	1	0.1
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG13	1	0.1
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG21	1	0.1
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG22	1	0.1
(1,1235)	1:456:A:PRO:HG2	1:457:A:VAL:HG23	1	0.1
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG11	1	0.1
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG12	1	0.1
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG13	1	0.1
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG21	1	0.1
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG22	1	0.1
(1,1235)	1:456:A:PRO:HG3	1:457:A:VAL:HG23	1	0.1
(1,1227)	1:412:A:LEU:HG	1:413:A:PRO:HG2	9	0.1
(1,1220)	1:402:A:PRO:HG2	1:456:A:PRO:HD2	19	0.1
(1,1218)	1:409:A:ILE:HG13	1:451:A:VAL:H	20	0.1
(1,1213)	1:414:A:GLN:HG2	1:415:A:GLU:HB3	14	0.1
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG11	6	0.1
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG12	6	0.1
(1,1210)	1:421:A:ILE:HG12	1:451:A:VAL:HG13	6	0.1
(1,1196)	1:403:A:GLU:HB2	1:404:A:GLY:H	5	0.1
(1,1196)	1:403:A:GLU:HB2	1:404:A:GLY:H	14	0.1
(1,1190)	1:481:A:LYS:HD3	1:482:A:ARG:HB3	11	0.1
(1,1161)	1:459:A:ALA:HA	1:461:A:ALA:H	1	0.1
(1,1154)	1:461:A:ALA:HA	1:462:A:ALA:HA	11	0.1
(1,1153)	1:461:A:ALA:HA	1:465:A:ALA:H	6	0.1
(1,1147)	1:424:A:MET:HG2	1:425:A:PHE:H	20	0.1
(1,1147)	1:424:A:MET:HG3	1:425:A:PHE:H	20	0.1
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG2	1	0.1
(1,1143)	1:422:A:LEU:HB2	1:426:A:MET:HG3	1	0.1
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG2	4	0.1
(1,1140)	1:421:A:ILE:HG21	1:426:A:MET:HG3	4	0.1
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG2	4	0.1
(1,1140)	1:421:A:ILE:HG22	1:426:A:MET:HG3	4	0.1
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG2	4	0.1
(1,1140)	1:421:A:ILE:HG23	1:426:A:MET:HG3	4	0.1
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB2	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB3	3	0.1
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB2	3	0.1
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB3	3	0.1
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB2	8	0.1
(1,1138)	1:446:A:LYS:HB2	1:447:A:CYS:HB3	8	0.1
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB2	8	0.1
(1,1138)	1:446:A:LYS:HB3	1:447:A:CYS:HB3	8	0.1
(1,1133)	1:407:A:LEU:H	1:452:A:SER:HA	8	0.1
(1,1132)	1:470:A:GLN:HG2	1:474:A:LYS:H	13	0.1
(1,1132)	1:470:A:GLN:HG3	1:474:A:LYS:H	13	0.1
(1,1122)	1:408:A:PHE:HA	1:449:A:GLY:H	20	0.1
(1,1098)	1:440:A:LYS:HA	1:442:A:THR:H	10	0.1
(1,1092)	1:445:A:SER:HA	1:488:A:LYS:HA	20	0.1
(1,1090)	1:419:A:GLN:HA	1:422:A:LEU:HB2	7	0.1
(1,1080)	1:422:A:LEU:HG	1:423:A:GLN:HA	7	0.1
(1,1079)	1:423:A:GLN:HA	1:426:A:MET:H	5	0.1
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	10	0.1
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	10	0.1
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	10	0.1
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	11	0.1
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	11	0.1
(1,1070)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	11	0.1
(1,1049)	1:412:A:LEU:HG	1:421:A:ILE:HD11	19	0.1
(1,1049)	1:412:A:LEU:HG	1:421:A:ILE:HD12	19	0.1
(1,1049)	1:412:A:LEU:HG	1:421:A:ILE:HD13	19	0.1
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG21	16	0.1
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG22	16	0.1
(1,1008)	1:425:A:PHE:HB3	1:451:A:VAL:HG23	16	0.1
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG21	7	0.1
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG22	7	0.1
(1,1004)	1:425:A:PHE:HB2	1:451:A:VAL:HG23	7	0.1
(1,1001)	1:442:A:THR:HA	1:443:A:ASN:HB3	17	0.1
(1,999)	1:467:A:ASN:HB2	1:468:A:GLY:H	7	0.1
(1,999)	1:467:A:ASN:HB2	1:468:A:GLY:H	18	0.1
(1,959)	1:432:A:ILE:HG21	1:454:A:ASP:H	10	0.1
(1,959)	1:432:A:ILE:HG22	1:454:A:ASP:H	10	0.1
(1,959)	1:432:A:ILE:HG23	1:454:A:ASP:H	10	0.1
(1,943)	1:409:A:ILE:HB	1:450:A:PHE:H	14	0.1
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG2	4	0.1
(1,934)	1:421:A:ILE:HG21	1:426:A:MET:HG3	4	0.1
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG2	4	0.1
(1,934)	1:421:A:ILE:HG22	1:426:A:MET:HG3	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG2	4	0.1
(1,934)	1:421:A:ILE:HG23	1:426:A:MET:HG3	4	0.1
(1,929)	1:412:A:LEU:HD11	1:421:A:ILE:HG21	1	0.1
(1,929)	1:412:A:LEU:HD11	1:421:A:ILE:HG22	1	0.1
(1,929)	1:412:A:LEU:HD11	1:421:A:ILE:HG23	1	0.1
(1,929)	1:412:A:LEU:HD12	1:421:A:ILE:HG21	1	0.1
(1,929)	1:412:A:LEU:HD12	1:421:A:ILE:HG22	1	0.1
(1,929)	1:412:A:LEU:HD12	1:421:A:ILE:HG23	1	0.1
(1,929)	1:412:A:LEU:HD13	1:421:A:ILE:HG21	1	0.1
(1,929)	1:412:A:LEU:HD13	1:421:A:ILE:HG22	1	0.1
(1,929)	1:412:A:LEU:HD13	1:421:A:ILE:HG23	1	0.1
(1,929)	1:412:A:LEU:HD21	1:421:A:ILE:HG21	1	0.1
(1,929)	1:412:A:LEU:HD21	1:421:A:ILE:HG22	1	0.1
(1,929)	1:412:A:LEU:HD21	1:421:A:ILE:HG23	1	0.1
(1,929)	1:412:A:LEU:HD22	1:421:A:ILE:HG21	1	0.1
(1,929)	1:412:A:LEU:HD22	1:421:A:ILE:HG22	1	0.1
(1,929)	1:412:A:LEU:HD22	1:421:A:ILE:HG23	1	0.1
(1,929)	1:412:A:LEU:HD23	1:421:A:ILE:HG21	1	0.1
(1,929)	1:412:A:LEU:HD23	1:421:A:ILE:HG22	1	0.1
(1,929)	1:412:A:LEU:HD23	1:421:A:ILE:HG23	1	0.1
(1,929)	1:412:A:LEU:HD11	1:421:A:ILE:HG21	4	0.1
(1,929)	1:412:A:LEU:HD11	1:421:A:ILE:HG22	4	0.1
(1,929)	1:412:A:LEU:HD11	1:421:A:ILE:HG23	4	0.1
(1,929)	1:412:A:LEU:HD12	1:421:A:ILE:HG21	4	0.1
(1,929)	1:412:A:LEU:HD12	1:421:A:ILE:HG22	4	0.1
(1,929)	1:412:A:LEU:HD12	1:421:A:ILE:HG23	4	0.1
(1,929)	1:412:A:LEU:HD13	1:421:A:ILE:HG21	4	0.1
(1,929)	1:412:A:LEU:HD13	1:421:A:ILE:HG22	4	0.1
(1,929)	1:412:A:LEU:HD13	1:421:A:ILE:HG23	4	0.1
(1,929)	1:412:A:LEU:HD21	1:421:A:ILE:HG21	4	0.1
(1,929)	1:412:A:LEU:HD21	1:421:A:ILE:HG22	4	0.1
(1,929)	1:412:A:LEU:HD21	1:421:A:ILE:HG23	4	0.1
(1,929)	1:412:A:LEU:HD22	1:421:A:ILE:HG21	4	0.1
(1,929)	1:412:A:LEU:HD22	1:421:A:ILE:HG22	4	0.1
(1,929)	1:412:A:LEU:HD22	1:421:A:ILE:HG23	4	0.1
(1,929)	1:412:A:LEU:HD23	1:421:A:ILE:HG21	4	0.1
(1,929)	1:412:A:LEU:HD23	1:421:A:ILE:HG22	4	0.1
(1,929)	1:412:A:LEU:HD23	1:421:A:ILE:HG23	4	0.1
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB1	10	0.1
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB2	10	0.1
(1,900)	1:460:A:GLN:H	1:462:A:ALA:HB3	10	0.1
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG21	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG22	10	0.1
(1,895)	1:399:A:LYS:HE2	1:432:A:ILE:HG23	10	0.1
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG21	10	0.1
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG22	10	0.1
(1,895)	1:399:A:LYS:HE3	1:432:A:ILE:HG23	10	0.1
(1,884)	1:433:A:SER:HB2	1:452:A:SER:H	12	0.1
(1,850)	1:405:A:ALA:HB1	1:406:A:ASN:HD22	14	0.1
(1,850)	1:405:A:ALA:HB2	1:406:A:ASN:HD22	14	0.1
(1,850)	1:405:A:ALA:HB3	1:406:A:ASN:HD22	14	0.1
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB1	14	0.1
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB2	14	0.1
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB3	14	0.1
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB1	16	0.1
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB2	16	0.1
(1,846)	1:404:A:GLY:HA2	1:405:A:ALA:HB3	16	0.1
(1,842)	1:431:A:VAL:HG11	1:451:A:VAL:HG11	19	0.1
(1,842)	1:431:A:VAL:HG11	1:451:A:VAL:HG12	19	0.1
(1,842)	1:431:A:VAL:HG11	1:451:A:VAL:HG13	19	0.1
(1,842)	1:431:A:VAL:HG12	1:451:A:VAL:HG11	19	0.1
(1,842)	1:431:A:VAL:HG12	1:451:A:VAL:HG12	19	0.1
(1,842)	1:431:A:VAL:HG12	1:451:A:VAL:HG13	19	0.1
(1,842)	1:431:A:VAL:HG13	1:451:A:VAL:HG11	19	0.1
(1,842)	1:431:A:VAL:HG13	1:451:A:VAL:HG12	19	0.1
(1,842)	1:431:A:VAL:HG13	1:451:A:VAL:HG13	19	0.1
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG11	2	0.1
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG12	2	0.1
(1,840)	1:425:A:PHE:HD1	1:451:A:VAL:HG13	2	0.1
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG11	2	0.1
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG12	2	0.1
(1,840)	1:425:A:PHE:HD2	1:451:A:VAL:HG13	2	0.1
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG11	6	0.1
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG12	6	0.1
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG13	6	0.1
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG11	19	0.1
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG12	19	0.1
(1,839)	1:435:A:LYS:H	1:451:A:VAL:HG13	19	0.1
(1,823)	1:436:A:VAL:HG11	1:450:A:PHE:H	4	0.1
(1,823)	1:436:A:VAL:HG12	1:450:A:PHE:H	4	0.1
(1,823)	1:436:A:VAL:HG13	1:450:A:PHE:H	4	0.1
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG11	19	0.1
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG12	19	0.1
(1,789)	1:468:A:GLY:H	1:478:A:VAL:HG13	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG11	9	0.1
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG12	9	0.1
(1,787)	1:467:A:ASN:HB3	1:478:A:VAL:HG13	9	0.1
(1,781)	1:407:A:LEU:HB3	1:451:A:VAL:HG21	12	0.1
(1,781)	1:407:A:LEU:HB3	1:451:A:VAL:HG22	12	0.1
(1,781)	1:407:A:LEU:HB3	1:451:A:VAL:HG23	12	0.1
(1,779)	1:425:A:PHE:HD1	1:451:A:VAL:HG21	3	0.1
(1,779)	1:425:A:PHE:HD1	1:451:A:VAL:HG22	3	0.1
(1,779)	1:425:A:PHE:HD1	1:451:A:VAL:HG23	3	0.1
(1,779)	1:425:A:PHE:HD2	1:451:A:VAL:HG21	3	0.1
(1,779)	1:425:A:PHE:HD2	1:451:A:VAL:HG22	3	0.1
(1,779)	1:425:A:PHE:HD2	1:451:A:VAL:HG23	3	0.1
(1,779)	1:425:A:PHE:HD1	1:451:A:VAL:HG21	11	0.1
(1,779)	1:425:A:PHE:HD1	1:451:A:VAL:HG22	11	0.1
(1,779)	1:425:A:PHE:HD1	1:451:A:VAL:HG23	11	0.1
(1,779)	1:425:A:PHE:HD2	1:451:A:VAL:HG21	11	0.1
(1,779)	1:425:A:PHE:HD2	1:451:A:VAL:HG22	11	0.1
(1,779)	1:425:A:PHE:HD2	1:451:A:VAL:HG23	11	0.1
(1,777)	1:451:A:VAL:HG21	1:453:A:TYR:H	2	0.1
(1,777)	1:451:A:VAL:HG22	1:453:A:TYR:H	2	0.1
(1,777)	1:451:A:VAL:HG23	1:453:A:TYR:H	2	0.1
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB2	16	0.1
(1,773)	1:429:A:GLY:HA3	1:430:A:ASN:HB3	16	0.1
(1,768)	1:457:A:VAL:HG11	1:458:A:SER:HB2	15	0.1
(1,768)	1:457:A:VAL:HG12	1:458:A:SER:HB2	15	0.1
(1,768)	1:457:A:VAL:HG13	1:458:A:SER:HB2	15	0.1
(1,768)	1:457:A:VAL:HG21	1:458:A:SER:HB2	15	0.1
(1,768)	1:457:A:VAL:HG22	1:458:A:SER:HB2	15	0.1
(1,768)	1:457:A:VAL:HG23	1:458:A:SER:HB2	15	0.1
(1,767)	1:456:A:PRO:HD3	1:457:A:VAL:HG11	2	0.1
(1,767)	1:456:A:PRO:HD3	1:457:A:VAL:HG12	2	0.1
(1,767)	1:456:A:PRO:HD3	1:457:A:VAL:HG13	2	0.1
(1,767)	1:456:A:PRO:HD3	1:457:A:VAL:HG21	2	0.1
(1,767)	1:456:A:PRO:HD3	1:457:A:VAL:HG22	2	0.1
(1,767)	1:456:A:PRO:HD3	1:457:A:VAL:HG23	2	0.1
(1,746)	1:431:A:VAL:HG11	1:451:A:VAL:HG11	19	0.1
(1,746)	1:431:A:VAL:HG11	1:451:A:VAL:HG12	19	0.1
(1,746)	1:431:A:VAL:HG11	1:451:A:VAL:HG13	19	0.1
(1,746)	1:431:A:VAL:HG12	1:451:A:VAL:HG11	19	0.1
(1,746)	1:431:A:VAL:HG12	1:451:A:VAL:HG12	19	0.1
(1,746)	1:431:A:VAL:HG12	1:451:A:VAL:HG13	19	0.1
(1,746)	1:431:A:VAL:HG13	1:451:A:VAL:HG11	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,746)	1:431:A:VAL:HG13	1:451:A:VAL:HG12	19	0.1
(1,746)	1:431:A:VAL:HG13	1:451:A:VAL:HG13	19	0.1
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE1	20	0.1
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE2	20	0.1
(1,741)	1:425:A:PHE:H	1:426:A:MET:HE3	20	0.1
(1,737)	1:426:A:MET:H	1:426:A:MET:HE1	9	0.1
(1,737)	1:426:A:MET:H	1:426:A:MET:HE2	9	0.1
(1,737)	1:426:A:MET:H	1:426:A:MET:HE3	9	0.1
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD1	6	0.1
(1,728)	1:407:A:LEU:HB2	1:425:A:PHE:HD2	6	0.1
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD11	3	0.1
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD12	3	0.1
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD13	3	0.1
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD21	3	0.1
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD22	3	0.1
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD23	3	0.1
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD11	3	0.1
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD12	3	0.1
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD13	3	0.1
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD21	3	0.1
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD22	3	0.1
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD23	3	0.1
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD11	4	0.1
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD12	4	0.1
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD13	4	0.1
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD21	4	0.1
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD22	4	0.1
(1,718)	1:475:A:ARG:HG2	1:476:A:LEU:HD23	4	0.1
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD11	4	0.1
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD12	4	0.1
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD13	4	0.1
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD21	4	0.1
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD22	4	0.1
(1,718)	1:475:A:ARG:HG3	1:476:A:LEU:HD23	4	0.1
(1,691)	1:480:A:LEU:HD11	1:481:A:LYS:HB3	14	0.1
(1,691)	1:480:A:LEU:HD12	1:481:A:LYS:HB3	14	0.1
(1,691)	1:480:A:LEU:HD13	1:481:A:LYS:HB3	14	0.1
(1,691)	1:480:A:LEU:HD21	1:481:A:LYS:HB3	14	0.1
(1,691)	1:480:A:LEU:HD22	1:481:A:LYS:HB3	14	0.1
(1,691)	1:480:A:LEU:HD23	1:481:A:LYS:HB3	14	0.1
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD11	16	0.1
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD12	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD13	16	0.1
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD21	16	0.1
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD22	16	0.1
(1,689)	1:406:A:ASN:H	1:480:A:LEU:HD23	16	0.1
(1,660)	1:406:A:ASN:H	1:480:A:LEU:HG	8	0.1
(1,660)	1:406:A:ASN:H	1:480:A:LEU:HG	14	0.1
(1,643)	1:410:A:TYR:HB2	1:412:A:LEU:HG	20	0.1
(1,639)	1:469:A:PHE:HB3	1:476:A:LEU:HG	8	0.1
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	10	0.1
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	10	0.1
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	10	0.1
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD11	11	0.1
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD12	11	0.1
(1,625)	1:402:A:PRO:HD2	1:432:A:ILE:HD13	11	0.1
(1,595)	1:439:A:ASP:HB3	1:442:A:THR:H	3	0.1
(1,577)	1:401:A:GLY:H	1:452:A:SER:HB2	10	0.1
(1,577)	1:401:A:GLY:H	1:452:A:SER:HB2	14	0.1
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG21	14	0.1
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG22	14	0.1
(1,575)	1:470:A:GLN:HE22	1:471:A:ILE:HG23	14	0.1
(1,572)	1:414:A:GLN:HE21	1:472:A:GLY:HA2	5	0.1
(1,571)	1:464:A:GLN:HE21	1:480:A:LEU:HD11	5	0.1
(1,571)	1:464:A:GLN:HE21	1:480:A:LEU:HD12	5	0.1
(1,571)	1:464:A:GLN:HE21	1:480:A:LEU:HD13	5	0.1
(1,571)	1:464:A:GLN:HE21	1:480:A:LEU:HD21	5	0.1
(1,571)	1:464:A:GLN:HE21	1:480:A:LEU:HD22	5	0.1
(1,571)	1:464:A:GLN:HE21	1:480:A:LEU:HD23	5	0.1
(1,570)	1:419:A:GLN:HE21	1:420:A:ASP:H	5	0.1
(1,567)	1:419:A:GLN:HE22	1:423:A:GLN:HB2	9	0.1
(1,567)	1:419:A:GLN:HE22	1:423:A:GLN:HB3	9	0.1
(1,567)	1:419:A:GLN:HE22	1:423:A:GLN:HB2	14	0.1
(1,567)	1:419:A:GLN:HE22	1:423:A:GLN:HB3	14	0.1
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE1	20	0.1
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE2	20	0.1
(1,558)	1:425:A:PHE:H	1:426:A:MET:HE3	20	0.1
(1,557)	1:422:A:LEU:HD11	1:425:A:PHE:H	2	0.1
(1,557)	1:422:A:LEU:HD12	1:425:A:PHE:H	2	0.1
(1,557)	1:422:A:LEU:HD13	1:425:A:PHE:H	2	0.1
(1,557)	1:422:A:LEU:HD21	1:425:A:PHE:H	2	0.1
(1,557)	1:422:A:LEU:HD22	1:425:A:PHE:H	2	0.1
(1,557)	1:422:A:LEU:HD23	1:425:A:PHE:H	2	0.1
(1,550)	1:402:A:PRO:HG2	1:404:A:GLY:H	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,548)	1:404:A:GLY:H	1:406:A:ASN:HD21	13	0.1
(1,544)	1:432:A:ILE:HG21	1:454:A:ASP:H	10	0.1
(1,544)	1:432:A:ILE:HG22	1:454:A:ASP:H	10	0.1
(1,544)	1:432:A:ILE:HG23	1:454:A:ASP:H	10	0.1
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG21	2	0.1
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG22	2	0.1
(1,529)	1:430:A:ASN:HD22	1:432:A:ILE:HG23	2	0.1
(1,523)	1:431:A:VAL:HG21	1:433:A:SER:H	1	0.1
(1,523)	1:431:A:VAL:HG22	1:433:A:SER:H	1	0.1
(1,523)	1:431:A:VAL:HG23	1:433:A:SER:H	1	0.1
(1,517)	1:430:A:ASN:HD22	1:431:A:VAL:H	19	0.1
(1,501)	1:467:A:ASN:H	1:467:A:ASN:HD21	1	0.1
(1,484)	1:404:A:GLY:HA3	1:406:A:ASN:H	7	0.1
(1,456)	1:457:A:VAL:HA	1:460:A:GLN:H	13	0.1
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG21	15	0.1
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG22	15	0.1
(1,449)	1:419:A:GLN:H	1:421:A:ILE:HG23	15	0.1
(1,424)	1:443:A:ASN:H	1:444:A:LEU:HB3	1	0.1
(1,403)	1:470:A:GLN:HG2	1:472:A:GLY:H	17	0.1
(1,403)	1:470:A:GLN:HG3	1:472:A:GLY:H	17	0.1
(1,389)	1:402:A:PRO:HA	1:406:A:ASN:HD21	18	0.1
(1,379)	1:442:A:THR:HB	1:444:A:LEU:H	13	0.1
(1,367)	1:468:A:GLY:H	1:469:A:PHE:HB2	12	0.1
(1,365)	1:467:A:ASN:HB2	1:468:A:GLY:H	7	0.1
(1,365)	1:467:A:ASN:HB2	1:468:A:GLY:H	18	0.1
(1,336)	1:464:A:GLN:HB2	1:467:A:ASN:H	18	0.1
(1,336)	1:464:A:GLN:HB3	1:467:A:ASN:H	18	0.1
(1,323)	1:431:A:VAL:HG21	1:452:A:SER:H	18	0.1
(1,323)	1:431:A:VAL:HG22	1:452:A:SER:H	18	0.1
(1,323)	1:431:A:VAL:HG23	1:452:A:SER:H	18	0.1
(1,323)	1:431:A:VAL:HG21	1:452:A:SER:H	20	0.1
(1,323)	1:431:A:VAL:HG22	1:452:A:SER:H	20	0.1
(1,323)	1:431:A:VAL:HG23	1:452:A:SER:H	20	0.1
(1,309)	1:475:A:ARG:H	1:476:A:LEU:HA	20	0.1
(1,301)	1:405:A:ALA:H	1:456:A:PRO:HB3	17	0.1
(1,292)	1:436:A:VAL:HG11	1:450:A:PHE:H	4	0.1
(1,292)	1:436:A:VAL:HG12	1:450:A:PHE:H	4	0.1
(1,292)	1:436:A:VAL:HG13	1:450:A:PHE:H	4	0.1
(1,290)	1:409:A:ILE:HB	1:450:A:PHE:H	14	0.1
(1,263)	1:408:A:PHE:HD1	1:409:A:ILE:H	13	0.1
(1,263)	1:408:A:PHE:HD2	1:409:A:ILE:H	13	0.1
(1,250)	1:451:A:VAL:HG21	1:453:A:TYR:H	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:451:A:VAL:HG22	1:453:A:TYR:H	2	0.1
(1,250)	1:451:A:VAL:HG23	1:453:A:TYR:H	2	0.1
(1,249)	1:451:A:VAL:HG11	1:453:A:TYR:H	17	0.1
(1,249)	1:451:A:VAL:HG12	1:453:A:TYR:H	17	0.1
(1,249)	1:451:A:VAL:HG13	1:453:A:TYR:H	17	0.1
(1,212)	1:462:A:ALA:H	1:464:A:GLN:H	14	0.1
(1,186)	1:459:A:ALA:HA	1:461:A:ALA:H	1	0.1
(1,174)	1:398:A:GLN:HG3	1:399:A:LYS:H	17	0.1
(1,168)	1:463:A:ILE:HD11	1:480:A:LEU:H	17	0.1
(1,168)	1:463:A:ILE:HD12	1:480:A:LEU:H	17	0.1
(1,168)	1:463:A:ILE:HD13	1:480:A:LEU:H	17	0.1
(1,163)	1:463:A:ILE:HB	1:480:A:LEU:H	19	0.1
(1,161)	1:480:A:LEU:H	1:481:A:LYS:H	1	0.1
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD1	6	0.1
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD2	6	0.1
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD1	7	0.1
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD2	7	0.1
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD1	19	0.1
(1,151)	1:407:A:LEU:H	1:408:A:PHE:HD2	19	0.1
(1,150)	1:407:A:LEU:H	1:409:A:ILE:H	19	0.1
(1,85)	1:407:A:LEU:HA	1:481:A:LYS:H	19	0.1
(1,72)	1:414:A:GLN:H	1:415:A:GLU:HB3	19	0.1
(1,66)	1:437:A:PHE:H	1:450:A:PHE:HD1	3	0.1
(1,66)	1:437:A:PHE:H	1:450:A:PHE:HD2	3	0.1
(1,66)	1:437:A:PHE:H	1:450:A:PHE:HD1	14	0.1
(1,66)	1:437:A:PHE:H	1:450:A:PHE:HD2	14	0.1
(1,62)	1:435:A:LYS:HE2	1:437:A:PHE:H	2	0.1
(1,62)	1:435:A:LYS:HE3	1:437:A:PHE:H	2	0.1
(1,62)	1:435:A:LYS:HE2	1:437:A:PHE:H	5	0.1
(1,62)	1:435:A:LYS:HE3	1:437:A:PHE:H	5	0.1
(1,22)	1:423:A:GLN:HA	1:426:A:MET:H	5	0.1

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

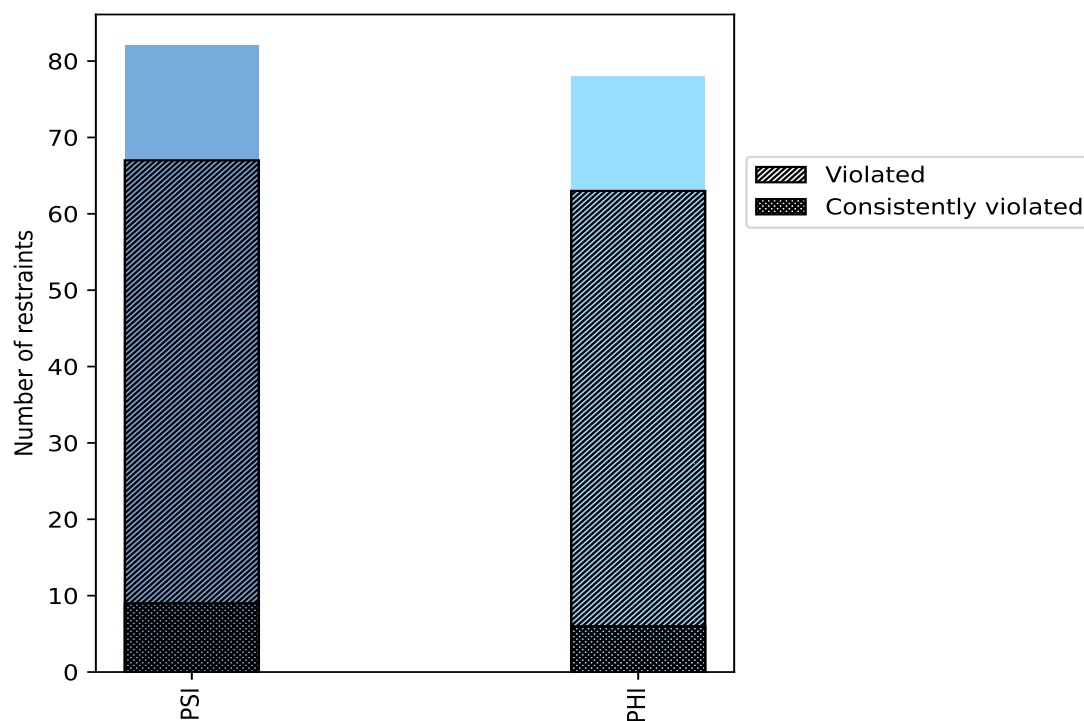
10.1 Summary of dihedral-angle violations [i](#)

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

Angle type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
PSI	82	51.2	67	81.7	41.9	9	11.0	5.6
PHI	78	48.8	63	80.8	39.4	6	7.7	3.8
Total	160	100.0	130	81.2	81.2	15	9.4	9.4

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

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



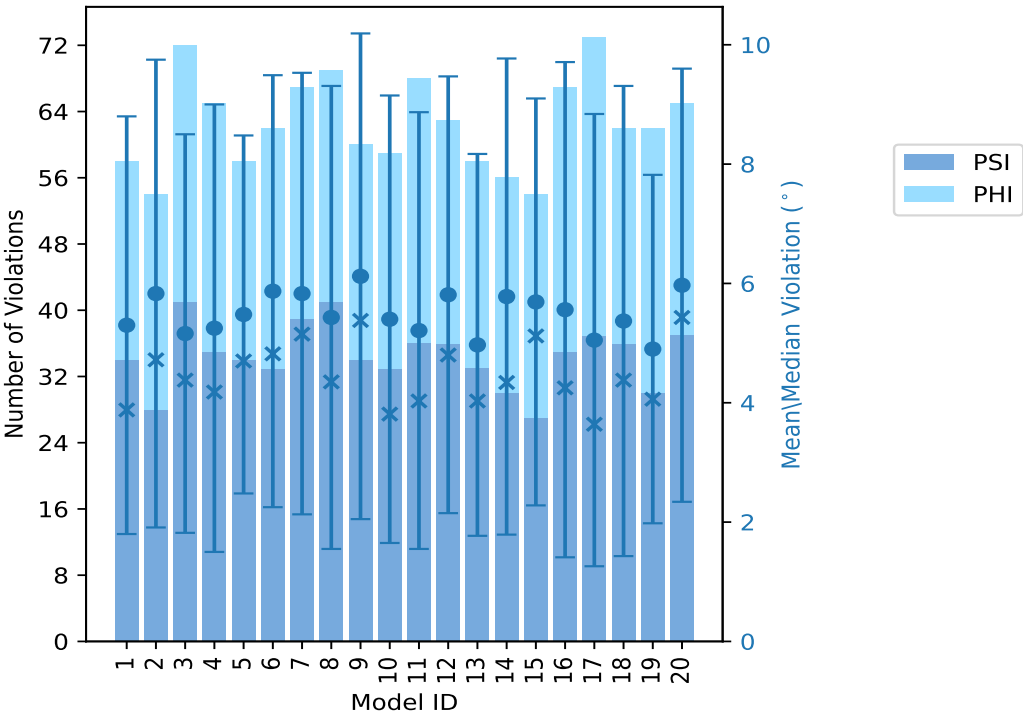
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model ⓘ

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

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PSI	PHI	Total				
1	34	24	58	5.3	15.95	3.5	3.88
2	28	26	54	5.83	17.77	3.92	4.72
3	41	31	72	5.16	15.79	3.34	4.38
4	35	30	65	5.25	14.52	3.75	4.18
5	34	24	58	5.48	13.14	3.0	4.7
6	33	29	62	5.87	14.35	3.62	4.82
7	39	28	67	5.83	17.88	3.7	5.15
8	41	28	69	5.43	20.42	3.88	4.35
9	34	26	60	6.12	17.94	4.07	5.38
10	33	26	59	5.4	17.11	3.75	3.81
11	36	32	68	5.21	17.34	3.66	4.03
12	36	27	63	5.81	14.08	3.66	4.8
13	33	25	58	4.97	11.82	3.2	4.03
14	30	26	56	5.78	14.58	3.99	4.34
15	27	27	54	5.69	14.31	3.41	5.12
16	35	32	67	5.56	18.66	4.15	4.25
17	37	36	73	5.05	16.02	3.79	3.64
18	36	26	62	5.37	17.17	3.94	4.38
19	30	32	62	4.9	12.67	2.92	4.06
20	37	28	65	5.97	16.37	3.63	5.43

10.2.1 Bar graph : Dihedral violation statistics for each model ⓘ



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

10.3 Dihedral-angle violation statistics for the ensemble ⓘ

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

Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count ¹	%
7	8	15	1	5.0
3	6	9	2	10.0
8	7	15	3	15.0
1	3	4	4	20.0
5	1	6	5	25.0
2	3	5	6	30.0
0	6	6	7	35.0
2	2	4	8	40.0
4	2	6	9	45.0
1	0	1	10	50.0
3	0	3	11	55.0

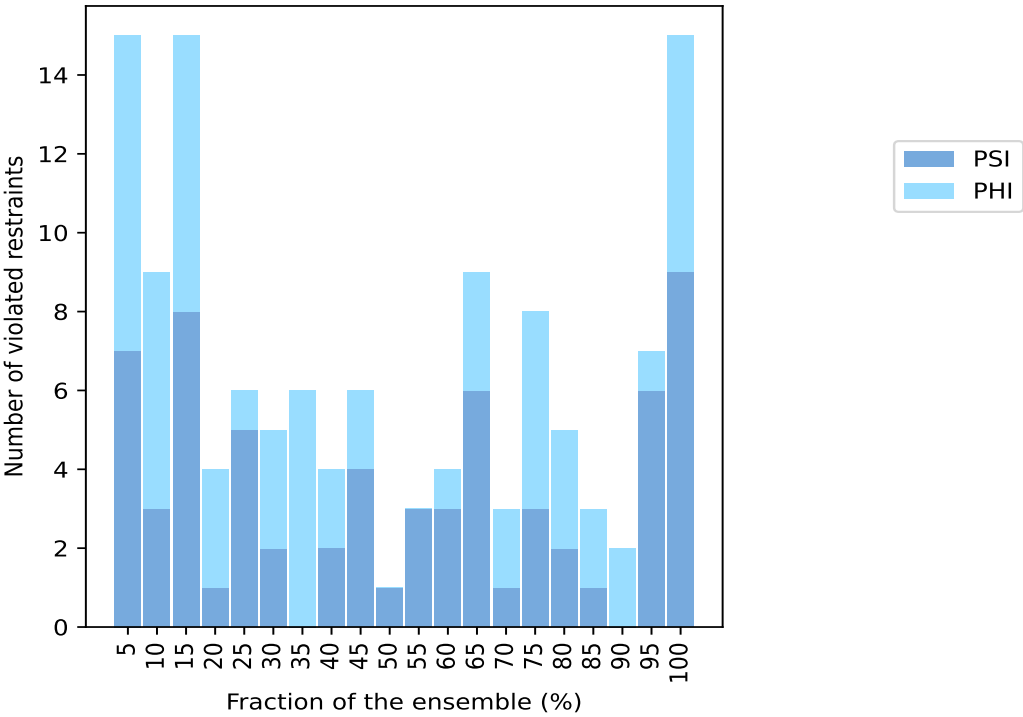
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Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count ¹	%
3	1	4	12	60.0
6	3	9	13	65.0
1	2	3	14	70.0
3	5	8	15	75.0
2	3	5	16	80.0
1	2	3	17	85.0
0	2	2	18	90.0
6	1	7	19	95.0
9	6	15	20	100.0

¹ Number of models with violations

10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble ⓘ

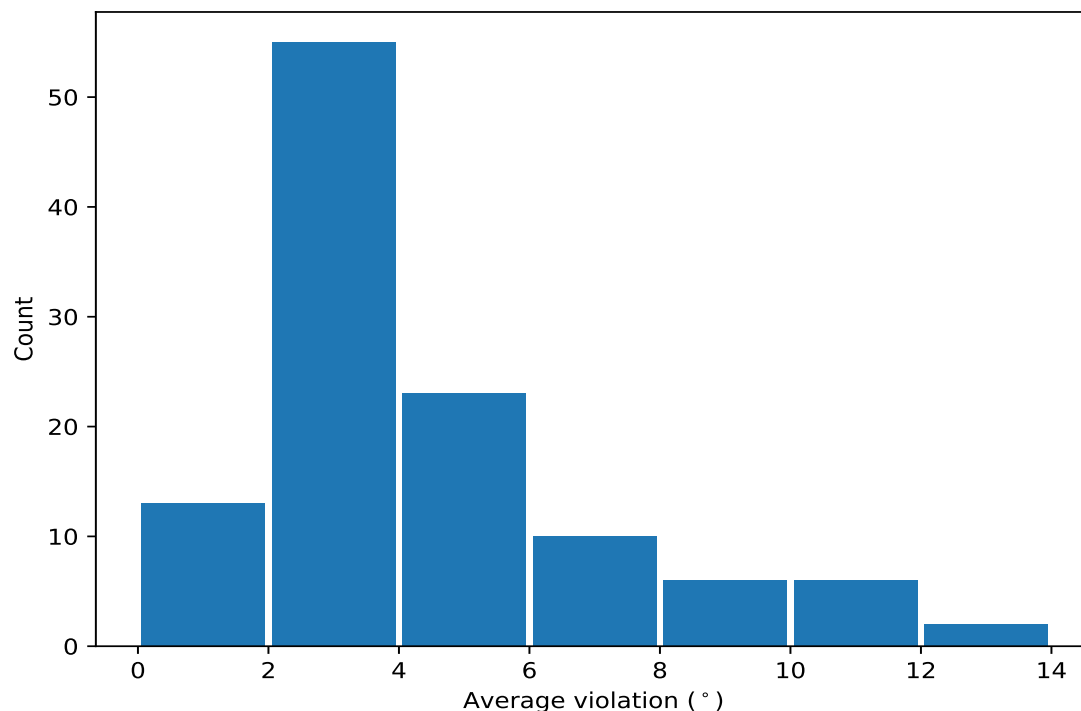


10.4 Most violated dihedral-angle restraints in the ensemble ⓘ

10.4.1 Histogram : Distribution of mean dihedral-angle violations ⓘ

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

in the ensemble



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

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,11)	1:402:A:PRO:N	1:402:A:PRO:CA	1:402:A:PRO:C	1:403:A:GLU:N	20	12.6	2.94	12.82
(1,64)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	20	11.3	3.1	11.8
(1,8)	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	1:400:A:GLU:N	20	11.26	3.51	11.04
(1,18)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	20	10.31	4.96	9.9
(1,12)	1:402:A:PRO:C	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	20	10.04	2.25	10.06
(1,17)	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1:406:A:ASN:N	20	10.01	1.9	9.95
(1,13)	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1:404:A:GLY:N	20	9.45	2.27	10.1
(1,151)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	20	9.21	1.98	8.52
(1,44)	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1:421:A:ILE:N	20	8.8	3.3	8.29
(1,21)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	20	7.35	2.26	7.86
(1,132)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	20	7.29	2.12	7.67
(1,15)	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	1:405:A:ALA:N	20	7.14	2.79	7.9
(1,98)	1:449:A:GLY:C	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	20	6.91	1.88	6.98
(1,32)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	20	6.76	2.43	6.31
(1,123)	1:463:A:ILE:C	1:464:A:GLN:N	1:464:A:GLN:CA	1:464:A:GLN:C	20	4.86	1.65	4.7
(1,54)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	19	12.44	3.07	12.32
(1,38)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	19	11.3	3.59	11.66
(1,154)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	19	8.47	2.71	9.33
(1,16)	1:404:A:GLY:C	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	19	8.42	3.13	9.71
(1,75)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	19	6.31	2.6	6.43

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,48)	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	1:423:A:GLN:N	19	4.66	2.23	4.51
(1,134)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	19	4.42	1.7	4.52
(1,159)	1:481:A:LYS:C	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	18	6.96	2.98	7.25
(1,119)	1:461:A:ALA:C	1:462:A:ALA:N	1:462:A:ALA:CA	1:462:A:ALA:C	18	3.37	1.5	2.74
(1,152)	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	1:479:A:GLN:N	17	4.92	2.74	4.95
(1,30)	1:411:A:HIS:C	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	17	4.15	1.54	3.71
(1,143)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	17	3.16	1.29	2.86
(1,88)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	16	7.02	3.74	6.62
(1,158)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	16	6.73	1.68	6.66
(1,39)	1:417:A:GLY:C	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	16	3.99	1.87	3.8
(1,148)	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	1:477:A:LYS:N	16	3.29	1.28	3.26
(1,90)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	16	2.9	0.95	2.56
(1,105)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	15	6.14	3.17	5.29
(1,85)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	15	5.94	1.47	5.42
(1,87)	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	1:444:A:LEU:N	15	5.7	2.56	5.59
(1,121)	1:462:A:ALA:C	1:463:A:ILE:N	1:463:A:ILE:CA	1:463:A:ILE:C	15	4.56	1.66	5.19
(1,102)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	15	4.19	1.71	3.76
(1,153)	1:478:A:VAL:C	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	15	3.49	2.35	2.5
(1,133)	1:468:A:GLY:C	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	15	2.95	1.15	2.7
(1,135)	1:469:A:PHE:C	1:470:A:GLN:N	1:470:A:GLN:CA	1:470:A:GLN:C	15	2.41	1.11	2.07
(1,22)	1:407:A:LEU:C	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	14	4.61	2.12	3.8
(1,157)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	14	3.67	2.12	3.2
(1,103)	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	1:453:A:TYR:N	14	3.11	1.35	3.06
(1,112)	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	1:459:A:ALA:N	13	4.98	2.75	4.45
(1,160)	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	1:483:A:SER:N	13	4.69	2.29	5.3
(1,93)	1:447:A:CYS:N	1:447:A:CYS:CA	1:447:A:CYS:C	1:448:A:PHE:N	13	4.68	4.06	3.13
(1,23)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	13	4.48	2.24	5.37
(1,108)	1:456:A:PRO:N	1:456:A:PRO:CA	1:456:A:PRO:C	1:457:A:VAL:N	13	3.91	2.31	2.79
(1,129)	1:466:A:MET:C	1:467:A:ASN:N	1:467:A:ASN:CA	1:467:A:ASN:C	13	3.48	1.48	3.2
(1,81)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	13	3.26	1.31	3.26
(1,100)	1:450:A:PHE:C	1:451:A:VAL:N	1:451:A:VAL:CA	1:451:A:VAL:C	13	2.64	1.13	2.61
(1,111)	1:457:A:VAL:C	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	13	2.63	1.22	2.32
(1,83)	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	1:442:A:THR:N	12	4.81	3.26	3.56
(1,55)	1:425:A:PHE:C	1:426:A:MET:N	1:426:A:MET:CA	1:426:A:MET:C	12	3.68	1.88	3.58
(1,19)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	12	3.67	1.21	3.59
(1,4)	1:-1:A:HIS:N	1:-1:A:HIS:CA	1:-1:A:HIS:C	1:0:A:MET:N	12	2.49	1.01	2.5
(1,114)	1:459:A:ALA:N	1:459:A:ALA:CA	1:459:A:ALA:C	1:460:A:GLN:N	11	8.21	3.2	9.09
(1,63)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	11	4.13	1.82	3.48
(1,69)	1:434:A:ALA:N	1:434:A:ALA:CA	1:434:A:ALA:C	1:435:A:LYS:N	11	3.24	1.15	3.28
(1,126)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	10	4.43	2.13	3.65
(1,127)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	9	5.17	2.88	6.45
(1,95)	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	1:449:A:GLY:N	9	4.13	3.22	1.97
(1,84)	1:441:A:GLN:C	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	9	4.05	2.32	3.46
(1,138)	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	1:472:A:GLY:N	9	3.32	1.69	2.45
(1,156)	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	1:481:A:LYS:N	9	3.32	1.8	3.38
(1,91)	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	1:446:A:LYS:N	9	2.24	0.54	2.29
(1,14)	1:403:A:GLU:C	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	8	3.25	1.8	2.65
(1,61)	1:430:A:ASN:N	1:430:A:ASN:CA	1:430:A:ASN:C	1:431:A:VAL:N	8	2.99	1.12	3.44
(1,49)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	8	2.95	1.42	3.04
(1,79)	1:439:A:ASP:N	1:439:A:ASP:CA	1:439:A:ASP:C	1:440:A:LYS:N	8	1.87	0.76	1.5
(1,76)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	7	4.34	2.6	3.49

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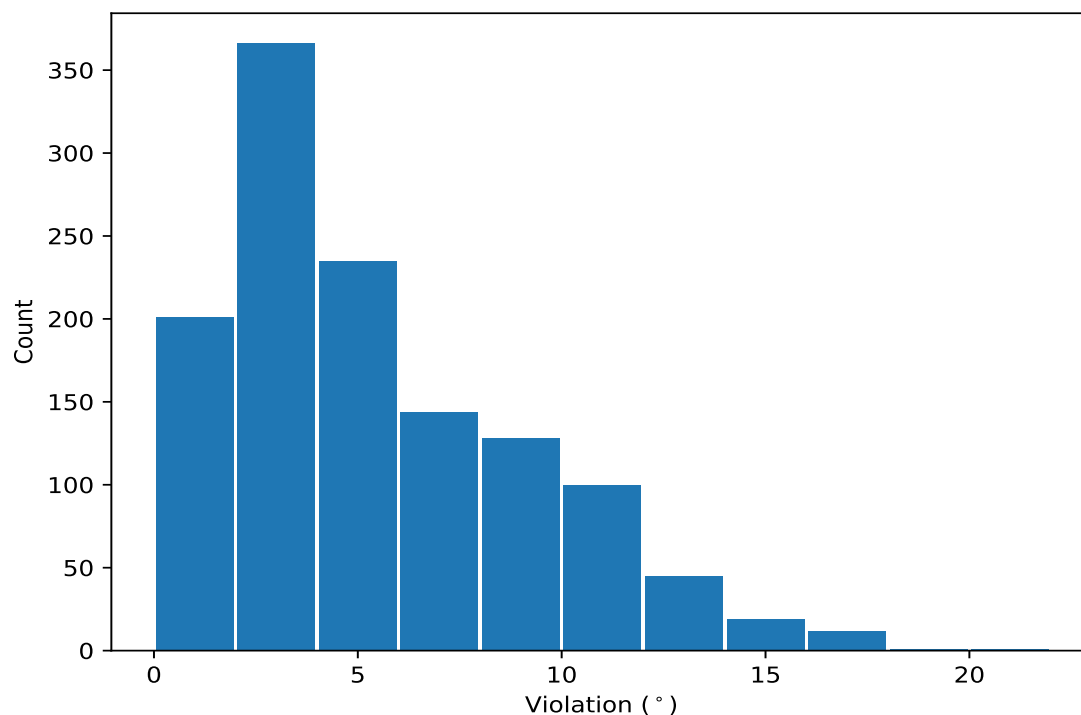
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,43)	1:419:A:GLN:C	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	7	3.98	2.53	3.76
(1,26)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	7	3.85	2.22	2.89
(1,94)	1:447:A:CYS:C	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	7	2.65	1.23	1.99
(1,3)	1:-2:A:SER:C	1:-1:A:HIS:N	1:-1:A:HIS:CA	1:-1:A:HIS:C	7	2.54	0.83	2.64
(1,70)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	7	2.02	0.79	1.98
(1,82)	1:440:A:LYS:C	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	6	3.35	2.28	2.84
(1,155)	1:479:A:GLN:C	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	6	2.44	1.34	2.06
(1,145)	1:474:A:LYS:C	1:475:A:ARG:N	1:475:A:ARG:CA	1:475:A:ARG:C	6	2.24	0.75	2.05
(1,146)	1:475:A:ARG:N	1:475:A:ARG:CA	1:475:A:ARG:C	1:476:A:LEU:N	6	2.07	0.78	1.88
(1,2)	1:-2:A:SER:N	1:-2:A:SER:CA	1:-2:A:SER:C	1:-1:A:HIS:N	6	1.79	0.64	1.66
(1,89)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	5	3.67	1.67	3.09
(1,96)	1:448:A:PHE:C	1:449:A:GLY:N	1:449:A:GLY:CA	1:449:A:GLY:C	5	3.66	3.91	1.79
(1,59)	1:428:A:PHE:N	1:428:A:PHE:CA	1:428:A:PHE:C	1:429:A:GLY:N	5	3.47	2.03	2.28
(1,57)	1:427:A:PRO:N	1:427:A:PRO:CA	1:427:A:PRO:C	1:428:A:PHE:N	5	3.18	0.29	3.08
(1,6)	1:398:A:GLN:N	1:398:A:GLN:CA	1:398:A:GLN:C	1:399:A:LYS:N	5	2.78	1.12	3.09
(1,36)	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	1:416:A:PHE:N	5	2.58	0.97	2.31
(1,139)	1:471:A:ILE:C	1:472:A:GLY:N	1:472:A:GLY:CA	1:472:A:GLY:C	4	2.76	0.91	2.72
(1,7)	1:398:A:GLN:C	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	4	2.05	0.68	1.9
(1,65)	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	1:433:A:SER:N	4	2.0	1.08	1.63
(1,35)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	4	1.92	0.92	1.66
(1,110)	1:457:A:VAL:N	1:457:A:VAL:CA	1:457:A:VAL:C	1:458:A:SER:N	3	4.5	0.66	4.59
(1,46)	1:421:A:ILE:N	1:421:A:ILE:CA	1:421:A:ILE:C	1:422:A:LEU:N	3	4.07	0.86	3.52
(1,109)	1:456:A:PRO:C	1:457:A:VAL:N	1:457:A:VAL:CA	1:457:A:VAL:C	3	3.61	1.13	3.11
(1,115)	1:459:A:ALA:C	1:460:A:GLN:N	1:460:A:GLN:CA	1:460:A:GLN:C	3	3.31	0.87	3.39
(1,113)	1:458:A:SER:C	1:459:A:ALA:N	1:459:A:ALA:CA	1:459:A:ALA:C	3	3.08	0.81	2.64
(1,68)	1:433:A:SER:C	1:434:A:ALA:N	1:434:A:ALA:CA	1:434:A:ALA:C	3	2.89	1.11	2.17
(1,37)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	3	2.76	1.89	1.59
(1,104)	1:452:A:SER:C	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	3	2.67	0.89	2.77
(1,40)	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	1:419:A:GLN:N	3	2.59	0.87	2.66
(1,77)	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	1:439:A:ASP:N	3	2.23	0.43	2.4
(1,27)	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	1:411:A:HIS:N	3	1.96	1.08	1.35
(1,116)	1:460:A:GLN:N	1:460:A:GLN:CA	1:460:A:GLN:C	1:461:A:ALA:N	3	1.74	0.27	1.57
(1,149)	1:476:A:LEU:C	1:477:A:LYS:N	1:477:A:LYS:CA	1:477:A:LYS:C	3	1.62	0.35	1.45
(1,130)	1:467:A:ASN:N	1:467:A:ASN:CA	1:467:A:ASN:C	1:468:A:GLY:N	3	1.57	0.36	1.36
(1,34)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	3	1.43	0.27	1.39
(1,25)	1:409:A:ILE:N	1:409:A:ILE:CA	1:409:A:ILE:C	1:410:A:TYR:N	2	3.04	1.46	3.04
(1,78)	1:438:A:ILE:C	1:439:A:ASP:N	1:439:A:ASP:CA	1:439:A:ASP:C	2	3.02	1.32	3.02
(1,52)	1:424:A:MET:N	1:424:A:MET:CA	1:424:A:MET:C	1:425:A:PHE:N	2	2.92	0.08	2.92
(1,60)	1:429:A:GLY:C	1:430:A:ASN:N	1:430:A:ASN:CA	1:430:A:ASN:C	2	2.45	0.01	2.45
(1,106)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	2	1.89	0.12	1.89
(1,72)	1:435:A:LYS:C	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	2	1.84	0.76	1.84
(1,147)	1:475:A:ARG:C	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	2	1.69	0.14	1.69
(1,74)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	2	1.64	0.24	1.64
(1,50)	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	1:424:A:MET:N	2	1.25	0.22	1.25

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

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

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

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



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

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,54)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	8	20.42
(1,18)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	16	18.66
(1,8)	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	1:400:A:GLU:N	9	17.94
(1,8)	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	1:400:A:GLU:N	7	17.88
(1,54)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	9	17.83
(1,18)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	2	17.77
(1,38)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	8	17.67
(1,11)	1:402:A:PRO:N	1:402:A:PRO:CA	1:402:A:PRO:C	1:403:A:GLU:N	16	17.61
(1,93)	1:447:A:CYS:N	1:447:A:CYS:CA	1:447:A:CYS:C	1:448:A:PHE:N	11	17.34
(1,18)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	18	17.17
(1,11)	1:402:A:PRO:N	1:402:A:PRO:CA	1:402:A:PRO:C	1:403:A:GLU:N	10	17.11
(1,8)	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	1:400:A:GLU:N	11	16.96
(1,64)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	20	16.37
(1,44)	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1:421:A:ILE:N	17	16.02

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,18)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1	15.95
(1,11)	1:402:A:PRO:N	1:402:A:PRO:CA	1:402:A:PRO:C	1:403:A:GLU:N	18	15.93
(1,12)	1:402:A:PRO:C	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	3	15.79
(1,38)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	17	15.37
(1,54)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	7	15.1
(1,38)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	18	14.75
(1,11)	1:402:A:PRO:N	1:402:A:PRO:CA	1:402:A:PRO:C	1:403:A:GLU:N	14	14.58
(1,18)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	4	14.52
(1,11)	1:402:A:PRO:N	1:402:A:PRO:CA	1:402:A:PRO:C	1:403:A:GLU:N	17	14.43
(1,151)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	6	14.35
(1,54)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	3	14.33
(1,64)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	16	14.31
(1,11)	1:402:A:PRO:N	1:402:A:PRO:CA	1:402:A:PRO:C	1:403:A:GLU:N	15	14.31
(1,54)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	2	14.29
(1,38)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	4	14.23
(1,11)	1:402:A:PRO:N	1:402:A:PRO:CA	1:402:A:PRO:C	1:403:A:GLU:N	9	14.21
(1,17)	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1:406:A:ASN:N	2	14.14
(1,88)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	12	14.08
(1,38)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	16	14.06
(1,38)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	9	13.93
(1,8)	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	1:400:A:GLU:N	6	13.92
(1,64)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	18	13.89
(1,54)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	4	13.89
(1,18)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	14	13.76
(1,105)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	12	13.74
(1,64)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	11	13.7
(1,11)	1:402:A:PRO:N	1:402:A:PRO:CA	1:402:A:PRO:C	1:403:A:GLU:N	6	13.7
(1,114)	1:459:A:ALA:N	1:459:A:ALA:CA	1:459:A:ALA:C	1:460:A:GLN:N	20	13.63
(1,11)	1:402:A:PRO:N	1:402:A:PRO:CA	1:402:A:PRO:C	1:403:A:GLU:N	12	13.61
(1,64)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	14	13.5
(1,13)	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1:404:A:GLY:N	9	13.45
(1,151)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	20	13.41
(1,54)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	16	13.4
(1,44)	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1:421:A:ILE:N	20	13.4
(1,17)	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1:406:A:ASN:N	14	13.38
(1,12)	1:402:A:PRO:C	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	8	13.36
(1,18)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	15	13.26
(1,11)	1:402:A:PRO:N	1:402:A:PRO:CA	1:402:A:PRO:C	1:403:A:GLU:N	5	13.14
(1,64)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	7	13.03
(1,38)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	3	13.01
(1,64)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	12	12.97
(1,64)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	1	12.87
(1,17)	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1:406:A:ASN:N	12	12.85
(1,64)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	4	12.77
(1,8)	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	1:400:A:GLU:N	10	12.68
(1,8)	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	1:400:A:GLU:N	19	12.67
(1,54)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	19	12.66
(1,38)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	15	12.64
(1,88)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	20	12.58
(1,54)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	6	12.58
(1,8)	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	1:400:A:GLU:N	17	12.58

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,154)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	16	12.52
(1,12)	1:402:A:PRO:C	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	15	12.52
(1,11)	1:402:A:PRO:N	1:402:A:PRO:CA	1:402:A:PRO:C	1:403:A:GLU:N	11	12.5
(1,8)	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	1:400:A:GLU:N	20	12.5
(1,11)	1:402:A:PRO:N	1:402:A:PRO:CA	1:402:A:PRO:C	1:403:A:GLU:N	1	12.49
(1,18)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	7	12.48
(1,64)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	6	12.42
(1,114)	1:459:A:ALA:N	1:459:A:ALA:CA	1:459:A:ALA:C	1:460:A:GLN:N	16	12.4
(1,83)	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	1:442:A:THR:N	14	12.37
(1,54)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	14	12.32
(1,44)	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1:421:A:ILE:N	14	12.22
(1,44)	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1:421:A:ILE:N	8	12.21
(1,8)	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	1:400:A:GLU:N	15	12.18
(1,38)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	14	11.99
(1,13)	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1:404:A:GLY:N	4	11.95
(1,11)	1:402:A:PRO:N	1:402:A:PRO:CA	1:402:A:PRO:C	1:403:A:GLU:N	7	11.94
(1,15)	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	1:405:A:ALA:N	17	11.86
(1,15)	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	1:405:A:ALA:N	9	11.84
(1,11)	1:402:A:PRO:N	1:402:A:PRO:CA	1:402:A:PRO:C	1:403:A:GLU:N	13	11.82
(1,11)	1:402:A:PRO:N	1:402:A:PRO:CA	1:402:A:PRO:C	1:403:A:GLU:N	4	11.8
(1,75)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	14	11.77
(1,13)	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1:404:A:GLY:N	17	11.77
(1,38)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	1	11.66
(1,38)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	5	11.64
(1,16)	1:404:A:GLY:C	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	12	11.6
(1,154)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	12	11.58
(1,17)	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1:406:A:ASN:N	16	11.56
(1,44)	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1:421:A:ILE:N	6	11.52
(1,16)	1:404:A:GLY:C	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	20	11.5
(1,18)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	10	11.49
(1,112)	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	1:459:A:ALA:N	4	11.48
(1,96)	1:448:A:PHE:C	1:449:A:GLY:N	1:449:A:GLY:CA	1:449:A:GLY:C	11	11.44
(1,54)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	10	11.37
(1,88)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	9	11.36
(1,12)	1:402:A:PRO:C	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	10	11.36
(1,154)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	9	11.35
(1,21)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	6	11.33
(1,17)	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1:406:A:ASN:N	18	11.33
(1,16)	1:404:A:GLY:C	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	6	11.32
(1,88)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	2	11.27
(1,54)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	1	11.27
(1,12)	1:402:A:PRO:C	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	16	11.27
(1,8)	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	1:400:A:GLU:N	13	11.25
(1,13)	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1:404:A:GLY:N	1	11.22
(1,13)	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1:404:A:GLY:N	2	11.21
(1,44)	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1:421:A:ILE:N	16	11.19
(1,64)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	2	11.18
(1,154)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	8	11.17
(1,16)	1:404:A:GLY:C	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	5	11.17
(1,154)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	7	11.16
(1,12)	1:402:A:PRO:C	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	17	11.16

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,64)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	8	11.15
(1,13)	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1:404:A:GLY:N	11	11.14
(1,64)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	9	11.12
(1,12)	1:402:A:PRO:C	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	19	11.03
(1,38)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	13	11.0
(1,159)	1:481:A:LYS:C	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	12	10.97
(1,95)	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	1:449:A:GLY:N	12	10.97
(1,12)	1:402:A:PRO:C	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	14	10.91
(1,54)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	13	10.89
(1,98)	1:449:A:GLY:C	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	20	10.85
(1,16)	1:404:A:GLY:C	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	13	10.85
(1,8)	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	1:400:A:GLU:N	8	10.84
(1,13)	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1:404:A:GLY:N	15	10.82
(1,64)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	13	10.81
(1,151)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	2	10.75
(1,87)	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	1:444:A:LEU:N	18	10.73
(1,17)	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1:406:A:ASN:N	10	10.69
(1,16)	1:404:A:GLY:C	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	3	10.66
(1,48)	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	1:423:A:GLN:N	6	10.63
(1,154)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	17	10.62
(1,11)	1:402:A:PRO:N	1:402:A:PRO:CA	1:402:A:PRO:C	1:403:A:GLU:N	8	10.61
(1,8)	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	1:400:A:GLU:N	2	10.6
(1,17)	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1:406:A:ASN:N	3	10.58
(1,13)	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1:404:A:GLY:N	10	10.58
(1,154)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	4	10.56
(1,54)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	11	10.56
(1,105)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	2	10.54
(1,152)	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	1:479:A:GLN:N	20	10.52
(1,151)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	14	10.5
(1,32)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	5	10.5
(1,54)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	20	10.48
(1,75)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	19	10.47
(1,159)	1:481:A:LYS:C	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	17	10.45
(1,132)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	10	10.45
(1,13)	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1:404:A:GLY:N	16	10.42
(1,154)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	13	10.4
(1,16)	1:404:A:GLY:C	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	17	10.4
(1,12)	1:402:A:PRO:C	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	9	10.4
(1,88)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	10	10.38
(1,44)	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1:421:A:ILE:N	9	10.38
(1,17)	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1:406:A:ASN:N	17	10.37
(1,151)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	12	10.35
(1,15)	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	1:405:A:ALA:N	7	10.34
(1,32)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	2	10.32
(1,158)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	7	10.27
(1,12)	1:402:A:PRO:C	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	12	10.27
(1,44)	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1:421:A:ILE:N	7	10.26
(1,18)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	17	10.16
(1,13)	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1:404:A:GLY:N	8	10.15
(1,151)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	4	10.14
(1,44)	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1:421:A:ILE:N	10	10.12

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,16)	1:404:A:GLY:C	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	7	10.12
(1,64)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	15	10.1
(1,21)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	4	10.09
(1,132)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	18	10.06
(1,13)	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1:404:A:GLY:N	18	10.06
(1,158)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	12	10.05
(1,38)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	2	10.05
(1,17)	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1:406:A:ASN:N	13	10.05
(1,17)	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1:406:A:ASN:N	8	10.04
(1,8)	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	1:400:A:GLU:N	14	10.01
(1,21)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	20	10.0
(1,159)	1:481:A:LYS:C	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	5	9.97
(1,21)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	3	9.94
(1,132)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	11	9.9
(1,126)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	7	9.9
(1,11)	1:402:A:PRO:N	1:402:A:PRO:CA	1:402:A:PRO:C	1:403:A:GLU:N	2	9.9
(1,153)	1:478:A:VAL:C	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	14	9.89
(1,159)	1:481:A:LYS:C	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	3	9.88
(1,17)	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1:406:A:ASN:N	1	9.87
(1,114)	1:459:A:ALA:N	1:459:A:ALA:CA	1:459:A:ALA:C	1:460:A:GLN:N	1	9.85
(1,12)	1:402:A:PRO:C	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	2	9.85
(1,127)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	18	9.82
(1,15)	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	1:405:A:ALA:N	15	9.81
(1,32)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	13	9.8
(1,38)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	10	9.79
(1,114)	1:459:A:ALA:N	1:459:A:ALA:CA	1:459:A:ALA:C	1:460:A:GLN:N	6	9.77
(1,16)	1:404:A:GLY:C	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	8	9.77
(1,132)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	20	9.75
(1,16)	1:404:A:GLY:C	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1	9.71
(1,16)	1:404:A:GLY:C	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	11	9.7
(1,8)	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	1:400:A:GLU:N	1	9.67
(1,13)	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1:404:A:GLY:N	12	9.66
(1,159)	1:481:A:LYS:C	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	8	9.65
(1,38)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	6	9.65
(1,18)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	8	9.63
(1,12)	1:402:A:PRO:C	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	18	9.62
(1,151)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	16	9.6
(1,151)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	10	9.57
(1,54)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	5	9.57
(1,32)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	11	9.57
(1,17)	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1:406:A:ASN:N	5	9.53
(1,159)	1:481:A:LYS:C	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	6	9.49
(1,54)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	17	9.46
(1,8)	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	1:400:A:GLU:N	5	9.45
(1,151)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	18	9.43
(1,75)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	20	9.42
(1,154)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	6	9.37
(1,64)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	3	9.37
(1,11)	1:402:A:PRO:N	1:402:A:PRO:CA	1:402:A:PRO:C	1:403:A:GLU:N	3	9.35
(1,154)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	14	9.33
(1,114)	1:459:A:ALA:N	1:459:A:ALA:CA	1:459:A:ALA:C	1:460:A:GLN:N	4	9.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,16)	1:404:A:GLY:C	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	9	9.29
(1,12)	1:402:A:PRO:C	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	13	9.27
(1,17)	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1:406:A:ASN:N	19	9.24
(1,32)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	4	9.21
(1,159)	1:481:A:LYS:C	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	13	9.19
(1,15)	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	1:405:A:ALA:N	6	9.18
(1,22)	1:407:A:LEU:C	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	7	9.17
(1,152)	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	1:479:A:GLN:N	18	9.16
(1,98)	1:449:A:GLY:C	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	19	9.16
(1,17)	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1:406:A:ASN:N	6	9.16
(1,12)	1:402:A:PRO:C	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	11	9.16
(1,38)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	20	9.15
(1,85)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	11	9.13
(1,84)	1:441:A:GLN:C	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	9	9.12
(1,159)	1:481:A:LYS:C	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	7	9.11
(1,114)	1:459:A:ALA:N	1:459:A:ALA:CA	1:459:A:ALA:C	1:460:A:GLN:N	10	9.09
(1,87)	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	1:444:A:LEU:N	17	9.09
(1,21)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	10	9.06
(1,13)	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1:404:A:GLY:N	3	9.05
(1,105)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	10	9.03
(1,64)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	10	9.01
(1,26)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	7	9.01
(1,44)	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1:421:A:ILE:N	15	8.97
(1,32)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	1	8.97
(1,132)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	4	8.91
(1,17)	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1:406:A:ASN:N	20	8.91
(1,87)	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	1:444:A:LEU:N	12	8.88
(1,21)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	18	8.84
(1,75)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	18	8.8
(1,83)	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	1:442:A:THR:N	19	8.77
(1,15)	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	1:405:A:ALA:N	11	8.76
(1,98)	1:449:A:GLY:C	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	15	8.72
(1,108)	1:456:A:PRO:N	1:456:A:PRO:CA	1:456:A:PRO:C	1:457:A:VAL:N	7	8.71
(1,75)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	5	8.71
(1,98)	1:449:A:GLY:C	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	18	8.63
(1,18)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	19	8.63
(1,32)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	10	8.58
(1,114)	1:459:A:ALA:N	1:459:A:ALA:CA	1:459:A:ALA:C	1:460:A:GLN:N	18	8.57
(1,151)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	7	8.55
(1,55)	1:425:A:PHE:C	1:426:A:MET:N	1:426:A:MET:CA	1:426:A:MET:C	3	8.54
(1,16)	1:404:A:GLY:C	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	15	8.54
(1,13)	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1:404:A:GLY:N	14	8.51
(1,76)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	19	8.5
(1,123)	1:463:A:ILE:C	1:464:A:GLN:N	1:464:A:GLN:CA	1:464:A:GLN:C	5	8.49
(1,43)	1:419:A:GLN:C	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	7	8.49
(1,151)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	1	8.48
(1,17)	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1:406:A:ASN:N	4	8.48
(1,15)	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	1:405:A:ALA:N	12	8.47
(1,98)	1:449:A:GLY:C	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	4	8.44
(1,12)	1:402:A:PRO:C	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1	8.39
(1,151)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	17	8.38

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,105)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	6	8.38
(1,151)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	15	8.37
(1,21)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	1	8.36
(1,160)	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	1:483:A:SER:N	17	8.33
(1,159)	1:481:A:LYS:C	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	2	8.33
(1,8)	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	1:400:A:GLU:N	3	8.32
(1,132)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	13	8.28
(1,18)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	20	8.27
(1,98)	1:449:A:GLY:C	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	16	8.26
(1,151)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	3	8.25
(1,18)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	9	8.25
(1,48)	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	1:423:A:GLN:N	15	8.24
(1,29)	1:411:A:HIS:N	1:411:A:HIS:CA	1:411:A:HIS:C	1:412:A:LEU:N	12	8.24
(1,108)	1:456:A:PRO:N	1:456:A:PRO:CA	1:456:A:PRO:C	1:457:A:VAL:N	4	8.23
(1,15)	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	1:405:A:ALA:N	5	8.23
(1,151)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	9	8.22
(1,132)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	16	8.22
(1,98)	1:449:A:GLY:C	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	5	8.22
(1,105)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	3	8.21
(1,21)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	16	8.21
(1,98)	1:449:A:GLY:C	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	3	8.17
(1,158)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	19	8.16
(1,21)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	19	8.16
(1,39)	1:417:A:GLY:C	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	15	8.14
(1,132)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	6	8.13
(1,132)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	2	8.12
(1,127)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	13	8.12
(1,15)	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	1:405:A:ALA:N	13	8.12
(1,13)	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1:404:A:GLY:N	7	8.09
(1,64)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	5	8.07
(1,82)	1:440:A:LYS:C	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	8	8.05
(1,21)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	14	8.05
(1,17)	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1:406:A:ASN:N	9	8.04
(1,30)	1:411:A:HIS:C	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	7	8.03
(1,158)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	3	8.01
(1,151)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	5	8.01
(1,102)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	17	8.0
(1,151)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	8	7.98
(1,54)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	18	7.98
(1,15)	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	1:405:A:ALA:N	16	7.98
(1,12)	1:402:A:PRO:C	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	20	7.97
(1,152)	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	1:479:A:GLN:N	4	7.96
(1,54)	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	1:426:A:MET:N	12	7.95
(1,157)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	7	7.94
(1,154)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	2	7.91
(1,98)	1:449:A:GLY:C	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	12	7.91
(1,153)	1:478:A:VAL:C	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	7	7.9
(1,12)	1:402:A:PRO:C	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	5	7.86
(1,12)	1:402:A:PRO:C	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	6	7.85
(1,18)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	12	7.84
(1,32)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	9	7.82

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,23)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	9	7.81
(1,15)	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	1:405:A:ALA:N	8	7.81
(1,13)	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1:404:A:GLY:N	5	7.8
(1,132)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	5	7.74
(1,85)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	15	7.67
(1,64)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	19	7.67
(1,21)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	11	7.67
(1,17)	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1:406:A:ASN:N	7	7.67
(1,83)	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	1:442:A:THR:N	9	7.66
(1,156)	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	1:481:A:LYS:N	14	7.64
(1,87)	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	1:444:A:LEU:N	2	7.63
(1,44)	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1:421:A:ILE:N	5	7.61
(1,132)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	7	7.6
(1,44)	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1:421:A:ILE:N	4	7.58
(1,22)	1:407:A:LEU:C	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	17	7.58
(1,16)	1:404:A:GLY:C	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	19	7.53
(1,21)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	8	7.5
(1,157)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	20	7.49
(1,112)	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	1:459:A:ALA:N	3	7.48
(1,48)	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	1:423:A:GLN:N	12	7.46
(1,154)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	3	7.45
(1,152)	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	1:479:A:GLN:N	6	7.43
(1,85)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	8	7.42
(1,123)	1:463:A:ILE:C	1:464:A:GLN:N	1:464:A:GLN:CA	1:464:A:GLN:C	3	7.38
(1,154)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	5	7.35
(1,121)	1:462:A:ALA:C	1:463:A:ILE:N	1:463:A:ILE:CA	1:463:A:ILE:C	6	7.35
(1,129)	1:466:A:MET:C	1:467:A:ASN:N	1:467:A:ASN:CA	1:467:A:ASN:C	20	7.33
(1,95)	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	1:449:A:GLY:N	16	7.33
(1,76)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	14	7.33
(1,11)	1:402:A:PRO:N	1:402:A:PRO:CA	1:402:A:PRO:C	1:403:A:GLU:N	19	7.33
(1,44)	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1:421:A:ILE:N	13	7.32
(1,85)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	5	7.31
(1,75)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	9	7.28
(1,59)	1:428:A:PHE:N	1:428:A:PHE:CA	1:428:A:PHE:C	1:429:A:GLY:N	9	7.27
(1,47)	1:421:A:ILE:C	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	3	7.26
(1,17)	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1:406:A:ASN:N	11	7.25
(1,63)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	7	7.24
(1,121)	1:462:A:ALA:C	1:463:A:ILE:N	1:463:A:ILE:CA	1:463:A:ILE:C	12	7.22
(1,112)	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	1:459:A:ALA:N	20	7.22
(1,132)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	17	7.21
(1,75)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	6	7.2
(1,66)	1:432:A:ILE:C	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	19	7.18
(1,21)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	5	7.18
(1,32)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	3	7.16
(1,123)	1:463:A:ILE:C	1:464:A:GLN:N	1:464:A:GLN:CA	1:464:A:GLN:C	10	7.15
(1,88)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	18	7.15
(1,44)	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1:421:A:ILE:N	3	7.15
(1,17)	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	1:406:A:ASN:N	15	7.12
(1,132)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	19	7.11
(1,158)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	20	7.07
(1,102)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	15	7.04

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,98)	1:449:A:GLY:C	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	1	7.03
(1,134)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	1	7.0
(1,88)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	15	7.0
(1,87)	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	1:444:A:LEU:N	20	6.99
(1,85)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	2	6.95
(1,98)	1:449:A:GLY:C	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	8	6.94
(1,127)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	6	6.89
(1,151)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	11	6.87
(1,112)	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	1:459:A:ALA:N	16	6.87
(1,158)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	16	6.82
(1,151)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	19	6.81
(1,108)	1:456:A:PRO:N	1:456:A:PRO:CA	1:456:A:PRO:C	1:457:A:VAL:N	16	6.81
(1,98)	1:449:A:GLY:C	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	2	6.81
(1,75)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	8	6.81
(1,30)	1:411:A:HIS:C	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	8	6.81
(1,13)	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1:404:A:GLY:N	6	6.79
(1,8)	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	1:400:A:GLU:N	16	6.77
(1,160)	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	1:483:A:SER:N	3	6.76
(1,44)	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1:421:A:ILE:N	2	6.75
(1,22)	1:407:A:LEU:C	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	14	6.73
(1,14)	1:403:A:GLU:C	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	19	6.72
(1,93)	1:447:A:CYS:N	1:447:A:CYS:CA	1:447:A:CYS:C	1:448:A:PHE:N	13	6.71
(1,158)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	9	6.7
(1,158)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	11	6.7
(1,15)	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	1:405:A:ALA:N	1	6.68
(1,88)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	11	6.67
(1,152)	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	1:479:A:GLN:N	3	6.64
(1,158)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	5	6.62
(1,23)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	20	6.61
(1,12)	1:402:A:PRO:C	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	4	6.6
(1,132)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	12	6.58
(1,88)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	19	6.57
(1,75)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	15	6.57
(1,160)	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	1:483:A:SER:N	4	6.55
(1,8)	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	1:400:A:GLU:N	4	6.51
(1,158)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	2	6.5
(1,23)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	6	6.5
(1,127)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	10	6.48
(1,127)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	17	6.45
(1,85)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	7	6.43
(1,75)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	10	6.43
(1,23)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	18	6.43
(1,160)	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	1:483:A:SER:N	5	6.42
(1,83)	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	1:442:A:THR:N	1	6.42
(1,160)	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	1:483:A:SER:N	15	6.4
(1,123)	1:463:A:ILE:C	1:464:A:GLN:N	1:464:A:GLN:CA	1:464:A:GLN:C	1	6.39
(1,8)	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	1:400:A:GLU:N	12	6.39
(1,38)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	11	6.38
(1,32)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	16	6.38
(1,89)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	7	6.37
(1,23)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	3	6.37

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,93)	1:447:A:CYS:N	1:447:A:CYS:CA	1:447:A:CYS:C	1:448:A:PHE:N	20	6.35
(1,44)	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1:421:A:ILE:N	1	6.29
(1,134)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	3	6.28
(1,63)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	11	6.28
(1,152)	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	1:479:A:GLN:N	12	6.25
(1,39)	1:417:A:GLY:C	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	9	6.25
(1,12)	1:402:A:PRO:C	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	7	6.25
(1,32)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	20	6.24
(1,152)	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	1:479:A:GLN:N	11	6.23
(1,112)	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	1:459:A:ALA:N	7	6.22
(1,132)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	14	6.19
(1,84)	1:441:A:GLN:C	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	20	6.18
(1,32)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	17	6.18
(1,159)	1:481:A:LYS:C	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	16	6.17
(1,160)	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	1:483:A:SER:N	6	6.14
(1,151)	1:477:A:LYS:C	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	13	6.13
(1,158)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	8	6.11
(1,134)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	10	6.11
(1,81)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	15	6.11
(1,126)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	5	6.09
(1,43)	1:419:A:GLN:C	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	12	6.09
(1,19)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	4	6.08
(1,87)	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	1:444:A:LEU:N	5	6.06
(1,119)	1:461:A:ALA:C	1:462:A:ALA:N	1:462:A:ALA:CA	1:462:A:ALA:C	6	6.05
(1,8)	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	1:400:A:GLU:N	18	6.04
(1,63)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	16	6.03
(1,39)	1:417:A:GLY:C	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	17	6.03
(1,21)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	15	6.02
(1,159)	1:481:A:LYS:C	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	14	5.99
(1,87)	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	1:444:A:LEU:N	10	5.99
(1,15)	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	1:405:A:ALA:N	20	5.98
(1,143)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	10	5.94
(1,134)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	6	5.92
(1,63)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	15	5.92
(1,95)	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	1:449:A:GLY:N	14	5.91
(1,22)	1:407:A:LEU:C	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	12	5.9
(1,105)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	5	5.88
(1,23)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	4	5.86
(1,134)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	2	5.85
(1,75)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	1	5.85
(1,22)	1:407:A:LEU:C	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	16	5.84
(1,132)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	3	5.82
(1,159)	1:481:A:LYS:C	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	9	5.8
(1,157)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	12	5.77
(1,85)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	20	5.77
(1,102)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	2	5.76
(1,48)	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	1:423:A:GLN:N	2	5.74
(1,48)	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	1:423:A:GLN:N	9	5.71
(1,134)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	5	5.7
(1,103)	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	1:453:A:TYR:N	20	5.7
(1,98)	1:449:A:GLY:C	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	7	5.69

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,93)	1:447:A:CYS:N	1:447:A:CYS:CA	1:447:A:CYS:C	1:448:A:PHE:N	12	5.69
(1,158)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	13	5.68
(1,138)	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	1:472:A:GLY:N	9	5.68
(1,105)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	1	5.68
(1,123)	1:463:A:ILE:C	1:464:A:GLN:N	1:464:A:GLN:CA	1:464:A:GLN:C	15	5.67
(1,119)	1:461:A:ALA:C	1:462:A:ALA:N	1:462:A:ALA:CA	1:462:A:ALA:C	20	5.65
(1,15)	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	1:405:A:ALA:N	4	5.65
(1,32)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	18	5.64
(1,121)	1:462:A:ALA:C	1:463:A:ILE:N	1:463:A:ILE:CA	1:463:A:ILE:C	4	5.63
(1,39)	1:417:A:GLY:C	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	11	5.63
(1,21)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	7	5.6
(1,87)	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	1:444:A:LEU:N	9	5.59
(1,75)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	4	5.59
(1,121)	1:462:A:ALA:C	1:463:A:ILE:N	1:463:A:ILE:CA	1:463:A:ILE:C	7	5.58
(1,123)	1:463:A:ILE:C	1:464:A:GLN:N	1:464:A:GLN:CA	1:464:A:GLN:C	7	5.56
(1,30)	1:411:A:HIS:C	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	9	5.56
(1,154)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	19	5.55
(1,69)	1:434:A:ALA:N	1:434:A:ALA:CA	1:434:A:ALA:C	1:435:A:LYS:N	19	5.55
(1,119)	1:461:A:ALA:C	1:462:A:ALA:N	1:462:A:ALA:CA	1:462:A:ALA:C	9	5.54
(1,88)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	5	5.54
(1,11)	1:402:A:PRO:N	1:402:A:PRO:CA	1:402:A:PRO:C	1:403:A:GLU:N	20	5.54
(1,154)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	1	5.52
(1,111)	1:457:A:VAL:C	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	17	5.52
(1,13)	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1:404:A:GLY:N	19	5.52
(1,13)	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1:404:A:GLY:N	20	5.51
(1,39)	1:417:A:GLY:C	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	13	5.48
(1,158)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	1	5.47
(1,98)	1:449:A:GLY:C	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	10	5.47
(1,148)	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	1:477:A:LYS:N	15	5.44
(1,76)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	20	5.43
(1,37)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	11	5.43
(1,85)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	9	5.42
(1,18)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	3	5.42
(1,143)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	18	5.41
(1,85)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	4	5.41
(1,121)	1:462:A:ALA:C	1:463:A:ILE:N	1:463:A:ILE:CA	1:463:A:ILE:C	20	5.4
(1,32)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	19	5.39
(1,159)	1:481:A:LYS:C	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	19	5.37
(1,121)	1:462:A:ALA:C	1:463:A:ILE:N	1:463:A:ILE:CA	1:463:A:ILE:C	15	5.37
(1,23)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	16	5.37
(1,132)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	8	5.36
(1,98)	1:449:A:GLY:C	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	17	5.35
(1,119)	1:461:A:ALA:C	1:462:A:ALA:N	1:462:A:ALA:CA	1:462:A:ALA:C	18	5.34
(1,121)	1:462:A:ALA:C	1:463:A:ILE:N	1:463:A:ILE:CA	1:463:A:ILE:C	9	5.33
(1,93)	1:447:A:CYS:N	1:447:A:CYS:CA	1:447:A:CYS:C	1:448:A:PHE:N	9	5.33
(1,154)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	18	5.31
(1,160)	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	1:483:A:SER:N	7	5.3
(1,152)	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	1:479:A:GLN:N	2	5.3
(1,114)	1:459:A:ALA:N	1:459:A:ALA:CA	1:459:A:ALA:C	1:460:A:GLN:N	14	5.3
(1,105)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	17	5.29
(1,87)	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	1:444:A:LEU:N	15	5.28

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,46)	1:421:A:ILE:N	1:421:A:ILE:CA	1:421:A:ILE:C	1:422:A:LEU:N	17	5.28
(1,138)	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	1:472:A:GLY:N	8	5.27
(1,134)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	19	5.27
(1,84)	1:441:A:GLN:C	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	18	5.27
(1,134)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	16	5.26
(1,98)	1:449:A:GLY:C	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	9	5.26
(1,134)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	11	5.25
(1,110)	1:457:A:VAL:N	1:457:A:VAL:CA	1:457:A:VAL:C	1:458:A:SER:N	8	5.25
(1,19)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	19	5.25
(1,133)	1:468:A:GLY:C	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	6	5.23
(1,85)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	16	5.23
(1,83)	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	1:442:A:THR:N	20	5.23
(1,48)	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	1:423:A:GLN:N	3	5.23
(1,123)	1:463:A:ILE:C	1:464:A:GLN:N	1:464:A:GLN:CA	1:464:A:GLN:C	6	5.21
(1,85)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	13	5.21
(1,13)	1:403:A:GLU:N	1:403:A:GLU:CA	1:403:A:GLU:C	1:404:A:GLY:N	13	5.21
(1,153)	1:478:A:VAL:C	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	12	5.19
(1,121)	1:462:A:ALA:C	1:463:A:ILE:N	1:463:A:ILE:CA	1:463:A:ILE:C	11	5.19
(1,109)	1:456:A:PRO:C	1:457:A:VAL:N	1:457:A:VAL:CA	1:457:A:VAL:C	3	5.18
(1,154)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	11	5.15
(1,88)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	7	5.15
(1,112)	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	1:459:A:ALA:N	6	5.13
(1,105)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	18	5.13
(1,103)	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	1:453:A:TYR:N	8	5.13
(1,87)	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	1:444:A:LEU:N	11	5.13
(1,21)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	12	5.13
(1,48)	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	1:423:A:GLN:N	17	5.12
(1,102)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	10	5.09
(1,160)	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	1:483:A:SER:N	8	5.08
(1,123)	1:463:A:ILE:C	1:464:A:GLN:N	1:464:A:GLN:CA	1:464:A:GLN:C	8	5.07
(1,14)	1:403:A:GLU:C	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	3	5.07
(1,43)	1:419:A:GLN:C	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1	5.06
(1,123)	1:463:A:ILE:C	1:464:A:GLN:N	1:464:A:GLN:CA	1:464:A:GLN:C	2	5.04
(1,21)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	13	5.03
(1,138)	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	1:472:A:GLY:N	7	5.02
(1,95)	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	1:449:A:GLY:N	20	5.01
(1,55)	1:425:A:PHE:C	1:426:A:MET:N	1:426:A:MET:CA	1:426:A:MET:C	13	5.0
(1,15)	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	1:405:A:ALA:N	18	4.99
(1,48)	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	1:423:A:GLN:N	4	4.97
(1,126)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	19	4.96
(1,90)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	13	4.96
(1,32)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	15	4.96
(1,152)	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	1:479:A:GLN:N	1	4.95
(1,30)	1:411:A:HIS:C	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	3	4.93
(1,119)	1:461:A:ALA:C	1:462:A:ALA:N	1:462:A:ALA:CA	1:462:A:ALA:C	15	4.92
(1,105)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	11	4.87
(1,102)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	12	4.87
(1,148)	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	1:477:A:LYS:N	2	4.86
(1,143)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	16	4.86
(1,85)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	10	4.85
(1,158)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	6	4.84

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,103)	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	1:453:A:TYR:N	11	4.83
(1,123)	1:463:A:ILE:C	1:464:A:GLN:N	1:464:A:GLN:CA	1:464:A:GLN:C	4	4.81
(1,49)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	6	4.81
(1,85)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	12	4.8
(1,75)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	16	4.8
(1,157)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	5	4.78
(1,129)	1:466:A:MET:C	1:467:A:ASN:N	1:467:A:ASN:CA	1:467:A:ASN:C	8	4.78
(1,49)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	1	4.78
(1,30)	1:411:A:HIS:C	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	20	4.78
(1,22)	1:407:A:LEU:C	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	8	4.75
(1,44)	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1:421:A:ILE:N	18	4.74
(1,16)	1:404:A:GLY:C	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	14	4.72
(1,48)	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	1:423:A:GLN:N	8	4.71
(1,102)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	11	4.69
(1,126)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	3	4.68
(1,98)	1:449:A:GLY:C	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	6	4.68
(1,89)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	8	4.67
(1,148)	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	1:477:A:LYS:N	17	4.66
(1,133)	1:468:A:GLY:C	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	10	4.66
(1,16)	1:404:A:GLY:C	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	4	4.66
(1,155)	1:479:A:GLN:C	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	9	4.65
(1,154)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	15	4.65
(1,100)	1:450:A:PHE:C	1:451:A:VAL:N	1:451:A:VAL:CA	1:451:A:VAL:C	3	4.64
(1,30)	1:411:A:HIS:C	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	16	4.63
(1,135)	1:469:A:PHE:C	1:470:A:GLN:N	1:470:A:GLN:CA	1:470:A:GLN:C	12	4.62
(1,30)	1:411:A:HIS:C	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	6	4.62
(1,148)	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	1:477:A:LYS:N	5	4.61
(1,69)	1:434:A:ALA:N	1:434:A:ALA:CA	1:434:A:ALA:C	1:435:A:LYS:N	8	4.61
(1,55)	1:425:A:PHE:C	1:426:A:MET:N	1:426:A:MET:CA	1:426:A:MET:C	6	4.61
(1,123)	1:463:A:ILE:C	1:464:A:GLN:N	1:464:A:GLN:CA	1:464:A:GLN:C	13	4.6
(1,138)	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	1:472:A:GLY:N	17	4.59
(1,129)	1:466:A:MET:C	1:467:A:ASN:N	1:467:A:ASN:CA	1:467:A:ASN:C	14	4.59
(1,110)	1:457:A:VAL:N	1:457:A:VAL:CA	1:457:A:VAL:C	1:458:A:SER:N	9	4.59
(1,88)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	3	4.58
(1,81)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	2	4.57
(1,38)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	12	4.55
(1,134)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	15	4.52
(1,135)	1:469:A:PHE:C	1:470:A:GLN:N	1:470:A:GLN:CA	1:470:A:GLN:C	4	4.51
(1,48)	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	1:423:A:GLN:N	13	4.51
(1,25)	1:409:A:ILE:N	1:409:A:ILE:CA	1:409:A:ILE:C	1:410:A:TYR:N	5	4.51
(1,105)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	14	4.5
(1,157)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	19	4.49
(1,134)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	13	4.49
(1,123)	1:463:A:ILE:C	1:464:A:GLN:N	1:464:A:GLN:CA	1:464:A:GLN:C	19	4.48
(1,98)	1:449:A:GLY:C	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	14	4.47
(1,68)	1:433:A:SER:C	1:434:A:ALA:N	1:434:A:ALA:CA	1:434:A:ALA:C	17	4.46
(1,61)	1:430:A:ASN:N	1:430:A:ASN:CA	1:430:A:ASN:C	1:431:A:VAL:N	18	4.46
(1,114)	1:459:A:ALA:N	1:459:A:ALA:CA	1:459:A:ALA:C	1:460:A:GLN:N	7	4.45
(1,112)	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	1:459:A:ALA:N	1	4.45
(1,48)	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	1:423:A:GLN:N	18	4.45
(1,148)	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	1:477:A:LYS:N	18	4.44

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,114)	1:459:A:ALA:N	1:459:A:ALA:CA	1:459:A:ALA:C	1:460:A:GLN:N	3	4.43
(1,102)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	9	4.42
(1,19)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	15	4.42
(1,158)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	17	4.38
(1,94)	1:447:A:CYS:C	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	8	4.38
(1,16)	1:404:A:GLY:C	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	16	4.38
(1,158)	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	1:482:A:ARG:N	14	4.35
(1,26)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	8	4.35
(1,100)	1:450:A:PHE:C	1:451:A:VAL:N	1:451:A:VAL:CA	1:451:A:VAL:C	4	4.34
(1,90)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	17	4.34
(1,123)	1:463:A:ILE:C	1:464:A:GLN:N	1:464:A:GLN:CA	1:464:A:GLN:C	17	4.33
(1,115)	1:459:A:ALA:C	1:460:A:GLN:N	1:460:A:GLN:CA	1:460:A:GLN:C	7	4.33
(1,78)	1:438:A:ILE:C	1:439:A:ASP:N	1:439:A:ASP:CA	1:439:A:ASP:C	3	4.33
(1,32)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	14	4.33
(1,143)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	3	4.32
(1,134)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	18	4.31
(1,132)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	9	4.31
(1,121)	1:462:A:ALA:C	1:463:A:ILE:N	1:463:A:ILE:CA	1:463:A:ILE:C	16	4.3
(1,55)	1:425:A:PHE:C	1:426:A:MET:N	1:426:A:MET:CA	1:426:A:MET:C	8	4.3
(1,148)	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	1:477:A:LYS:N	6	4.28
(1,32)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	7	4.28
(1,15)	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	1:405:A:ALA:N	14	4.27
(1,123)	1:463:A:ILE:C	1:464:A:GLN:N	1:464:A:GLN:CA	1:464:A:GLN:C	16	4.25
(1,94)	1:447:A:CYS:C	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	11	4.25
(1,98)	1:449:A:GLY:C	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	13	4.24
(1,6)	1:398:A:GLN:N	1:398:A:GLN:CA	1:398:A:GLN:C	1:399:A:LYS:N	6	4.24
(1,112)	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	1:459:A:ALA:N	14	4.23
(1,15)	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	1:405:A:ALA:N	3	4.23
(1,152)	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	1:479:A:GLN:N	19	4.22
(1,39)	1:417:A:GLY:C	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	20	4.22
(1,129)	1:466:A:MET:C	1:467:A:ASN:N	1:467:A:ASN:CA	1:467:A:ASN:C	11	4.21
(1,113)	1:458:A:SER:C	1:459:A:ALA:N	1:459:A:ALA:CA	1:459:A:ALA:C	7	4.21
(1,133)	1:468:A:GLY:C	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	16	4.2
(1,119)	1:461:A:ALA:C	1:462:A:ALA:N	1:462:A:ALA:CA	1:462:A:ALA:C	11	4.19
(1,90)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	15	4.19
(1,19)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	3	4.19
(1,84)	1:441:A:GLN:C	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	2	4.18
(1,81)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	4	4.18
(1,32)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	6	4.18
(1,14)	1:403:A:GLU:C	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	20	4.18
(1,108)	1:456:A:PRO:N	1:456:A:PRO:CA	1:456:A:PRO:C	1:457:A:VAL:N	20	4.16
(1,75)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	17	4.16
(1,44)	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1:421:A:ILE:N	12	4.16
(1,111)	1:457:A:VAL:C	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	18	4.13
(1,19)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	6	4.13
(1,39)	1:417:A:GLY:C	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	12	4.12
(1,123)	1:463:A:ILE:C	1:464:A:GLN:N	1:464:A:GLN:CA	1:464:A:GLN:C	14	4.11
(1,87)	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	1:444:A:LEU:N	19	4.11
(1,69)	1:434:A:ALA:N	1:434:A:ALA:CA	1:434:A:ALA:C	1:435:A:LYS:N	4	4.1
(1,139)	1:471:A:ILE:C	1:472:A:GLY:N	1:472:A:GLY:CA	1:472:A:GLY:C	13	4.08
(1,133)	1:468:A:GLY:C	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	7	4.07

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,100)	1:450:A:PHE:C	1:451:A:VAL:N	1:451:A:VAL:CA	1:451:A:VAL:C	8	4.06
(1,81)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	3	4.05
(1,55)	1:425:A:PHE:C	1:426:A:MET:N	1:426:A:MET:CA	1:426:A:MET:C	11	4.04
(1,159)	1:481:A:LYS:C	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	15	4.03
(1,156)	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	1:481:A:LYS:N	7	4.02
(1,44)	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1:421:A:ILE:N	11	4.02
(1,44)	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	1:421:A:ILE:N	19	4.01
(1,153)	1:478:A:VAL:C	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	16	4.0
(1,134)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	20	3.99
(1,103)	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	1:453:A:TYR:N	19	3.99
(1,49)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	10	3.99
(1,19)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	9	3.99
(1,126)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	13	3.98
(1,98)	1:449:A:GLY:C	1:450:A:PHE:N	1:450:A:PHE:CA	1:450:A:PHE:C	11	3.97
(1,81)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	5	3.97
(1,134)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	8	3.96
(1,123)	1:463:A:ILE:C	1:464:A:GLN:N	1:464:A:GLN:CA	1:464:A:GLN:C	18	3.95
(1,129)	1:466:A:MET:C	1:467:A:ASN:N	1:467:A:ASN:CA	1:467:A:ASN:C	1	3.94
(1,93)	1:447:A:CYS:N	1:447:A:CYS:CA	1:447:A:CYS:C	1:448:A:PHE:N	7	3.94
(1,157)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	10	3.92
(1,154)	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1:480:A:LEU:N	20	3.92
(1,85)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	18	3.91
(1,59)	1:428:A:PHE:N	1:428:A:PHE:CA	1:428:A:PHE:C	1:429:A:GLY:N	19	3.89
(1,18)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	6	3.88
(1,30)	1:411:A:HIS:C	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	17	3.87
(1,135)	1:469:A:PHE:C	1:470:A:GLN:N	1:470:A:GLN:CA	1:470:A:GLN:C	7	3.86
(1,123)	1:463:A:ILE:C	1:464:A:GLN:N	1:464:A:GLN:CA	1:464:A:GLN:C	12	3.86
(1,4)	1:-1:A:HIS:N	1:-1:A:HIS:CA	1:-1:A:HIS:C	1:0:A:MET:N	11	3.83
(1,133)	1:468:A:GLY:C	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	17	3.82
(1,39)	1:417:A:GLY:C	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	1	3.82
(1,121)	1:462:A:ALA:C	1:463:A:ILE:N	1:463:A:ILE:CA	1:463:A:ILE:C	19	3.81
(1,61)	1:430:A:ASN:N	1:430:A:ASN:CA	1:430:A:ASN:C	1:431:A:VAL:N	13	3.81
(1,36)	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	1:416:A:PHE:N	10	3.81
(1,22)	1:407:A:LEU:C	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	15	3.81
(1,159)	1:481:A:LYS:C	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	11	3.79
(1,157)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	16	3.79
(1,112)	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	1:459:A:ALA:N	10	3.79
(1,39)	1:417:A:GLY:C	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	8	3.79
(1,22)	1:407:A:LEU:C	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	19	3.79
(1,48)	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	1:423:A:GLN:N	5	3.78
(1,48)	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	1:423:A:GLN:N	11	3.78
(1,83)	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	1:442:A:THR:N	2	3.77
(1,61)	1:430:A:ASN:N	1:430:A:ASN:CA	1:430:A:ASN:C	1:431:A:VAL:N	5	3.77
(1,22)	1:407:A:LEU:C	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	20	3.77
(1,4)	1:-1:A:HIS:N	1:-1:A:HIS:CA	1:-1:A:HIS:C	1:0:A:MET:N	19	3.77
(1,102)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	8	3.76
(1,43)	1:419:A:GLN:C	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	19	3.76
(1,22)	1:407:A:LEU:C	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	11	3.76
(1,69)	1:434:A:ALA:N	1:434:A:ALA:CA	1:434:A:ALA:C	1:435:A:LYS:N	9	3.73
(1,65)	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	1:433:A:SER:N	8	3.72
(1,4)	1:-1:A:HIS:N	1:-1:A:HIS:CA	1:-1:A:HIS:C	1:0:A:MET:N	3	3.72

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,61)	1:430:A:ASN:N	1:430:A:ASN:CA	1:430:A:ASN:C	1:431:A:VAL:N	20	3.71
(1,30)	1:411:A:HIS:C	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	10	3.71
(1,104)	1:452:A:SER:C	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	12	3.7
(1,57)	1:427:A:PRO:N	1:427:A:PRO:CA	1:427:A:PRO:C	1:428:A:PHE:N	18	3.7
(1,90)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	6	3.69
(1,82)	1:440:A:LYS:C	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	16	3.69
(1,32)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	8	3.69
(1,63)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	8	3.68
(1,119)	1:461:A:ALA:C	1:462:A:ALA:N	1:462:A:ALA:CA	1:462:A:ALA:C	8	3.66
(1,110)	1:457:A:VAL:N	1:457:A:VAL:CA	1:457:A:VAL:C	1:458:A:SER:N	12	3.65
(1,108)	1:456:A:PRO:N	1:456:A:PRO:CA	1:456:A:PRO:C	1:457:A:VAL:N	1	3.65
(1,105)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	9	3.65
(1,55)	1:425:A:PHE:C	1:426:A:MET:N	1:426:A:MET:CA	1:426:A:MET:C	16	3.65
(1,119)	1:461:A:ALA:C	1:462:A:ALA:N	1:462:A:ALA:CA	1:462:A:ALA:C	17	3.64
(1,21)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	17	3.64
(1,159)	1:481:A:LYS:C	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	20	3.63
(1,102)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	7	3.63
(1,75)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	12	3.63
(1,21)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	9	3.62
(1,15)	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	1:405:A:ALA:N	2	3.62
(1,134)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	14	3.61
(1,121)	1:462:A:ALA:C	1:463:A:ILE:N	1:463:A:ILE:CA	1:463:A:ILE:C	2	3.61
(1,40)	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	1:419:A:GLN:N	6	3.61
(1,30)	1:411:A:HIS:C	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	1	3.61
(1,155)	1:479:A:GLN:C	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	4	3.6
(1,123)	1:463:A:ILE:C	1:464:A:GLN:N	1:464:A:GLN:CA	1:464:A:GLN:C	9	3.58
(1,70)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	11	3.58
(1,67)	1:433:A:SER:N	1:433:A:SER:CA	1:433:A:SER:C	1:434:A:ALA:N	17	3.58
(1,22)	1:407:A:LEU:C	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	9	3.58
(1,21)	1:407:A:LEU:N	1:407:A:LEU:CA	1:407:A:LEU:C	1:408:A:PHE:N	2	3.58
(1,6)	1:398:A:GLN:N	1:398:A:GLN:CA	1:398:A:GLN:C	1:399:A:LYS:N	7	3.58
(1,114)	1:459:A:ALA:N	1:459:A:ALA:CA	1:459:A:ALA:C	1:460:A:GLN:N	12	3.57
(1,81)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	12	3.57
(1,4)	1:-1:A:HIS:N	1:-1:A:HIS:CA	1:-1:A:HIS:C	1:0:A:MET:N	9	3.56
(1,3)	1:-2:A:SER:C	1:-1:A:HIS:N	1:-1:A:HIS:CA	1:-1:A:HIS:C	20	3.56
(1,36)	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	1:416:A:PHE:N	11	3.55
(1,3)	1:-2:A:SER:C	1:-1:A:HIS:N	1:-1:A:HIS:CA	1:-1:A:HIS:C	12	3.55
(1,103)	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	1:453:A:TYR:N	6	3.54
(1,90)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	18	3.54
(1,39)	1:417:A:GLY:C	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	4	3.54
(1,75)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	7	3.53
(1,85)	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	1:443:A:ASN:N	3	3.52
(1,55)	1:425:A:PHE:C	1:426:A:MET:N	1:426:A:MET:CA	1:426:A:MET:C	5	3.52
(1,46)	1:421:A:ILE:N	1:421:A:ILE:CA	1:421:A:ILE:C	1:422:A:LEU:N	8	3.52
(1,30)	1:411:A:HIS:C	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	13	3.52
(1,156)	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	1:481:A:LYS:N	16	3.51
(1,127)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	12	3.51
(1,111)	1:457:A:VAL:C	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	10	3.49
(1,76)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	18	3.49
(1,156)	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	1:481:A:LYS:N	5	3.48
(1,63)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	19	3.48

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,27)	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	1:411:A:HIS:N	7	3.48
(1,69)	1:434:A:ALA:N	1:434:A:ALA:CA	1:434:A:ALA:C	1:435:A:LYS:N	13	3.47
(1,84)	1:441:A:GLN:C	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	12	3.46
(1,75)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	2	3.46
(1,94)	1:447:A:CYS:C	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	3	3.44
(1,146)	1:475:A:ARG:N	1:475:A:ARG:CA	1:475:A:ARG:C	1:476:A:LEU:N	13	3.43
(1,63)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	9	3.42
(1,30)	1:411:A:HIS:C	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	2	3.42
(1,148)	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	1:477:A:LYS:N	20	3.41
(1,143)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	14	3.41
(1,143)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	11	3.4
(1,46)	1:421:A:ILE:N	1:421:A:ILE:CA	1:421:A:ILE:C	1:422:A:LEU:N	3	3.4
(1,148)	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	1:477:A:LYS:N	14	3.39
(1,115)	1:459:A:ALA:C	1:460:A:GLN:N	1:460:A:GLN:CA	1:460:A:GLN:C	4	3.39
(1,26)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	3	3.39
(1,156)	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	1:481:A:LYS:N	13	3.38
(1,143)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	5	3.38
(1,102)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	5	3.38
(1,87)	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	1:444:A:LEU:N	3	3.35
(1,83)	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	1:442:A:THR:N	10	3.35
(1,35)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	16	3.35
(1,153)	1:478:A:VAL:C	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	1	3.33
(1,126)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	14	3.32
(1,111)	1:457:A:VAL:C	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	1	3.32
(1,129)	1:466:A:MET:C	1:467:A:ASN:N	1:467:A:ASN:CA	1:467:A:ASN:C	6	3.31
(1,145)	1:474:A:LYS:C	1:475:A:ARG:N	1:475:A:ARG:CA	1:475:A:ARG:C	16	3.3
(1,49)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	19	3.3
(1,23)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	1	3.3
(1,23)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	2	3.3
(1,103)	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	1:453:A:TYR:N	5	3.29
(1,100)	1:450:A:PHE:C	1:451:A:VAL:N	1:451:A:VAL:CA	1:451:A:VAL:C	5	3.29
(1,69)	1:434:A:ALA:N	1:434:A:ALA:CA	1:434:A:ALA:C	1:435:A:LYS:N	7	3.28
(1,57)	1:427:A:PRO:N	1:427:A:PRO:CA	1:427:A:PRO:C	1:428:A:PHE:N	5	3.28
(1,30)	1:411:A:HIS:C	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	18	3.28
(1,15)	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	1:405:A:ALA:N	10	3.28
(1,18)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	11	3.27
(1,126)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	15	3.26
(1,121)	1:462:A:ALA:C	1:463:A:ILE:N	1:463:A:ILE:CA	1:463:A:ILE:C	17	3.26
(1,81)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	10	3.26
(1,111)	1:457:A:VAL:C	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	12	3.25
(1,48)	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	1:423:A:GLN:N	1	3.25
(1,156)	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	1:481:A:LYS:N	3	3.23
(1,132)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	1	3.22
(1,88)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1	3.21
(1,79)	1:439:A:ASP:N	1:439:A:ASP:CA	1:439:A:ASP:C	1:440:A:LYS:N	6	3.21
(1,153)	1:478:A:VAL:C	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	5	3.2
(1,129)	1:466:A:MET:C	1:467:A:ASN:N	1:467:A:ASN:CA	1:467:A:ASN:C	9	3.2
(1,126)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	11	3.19
(1,63)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	20	3.19
(1,55)	1:425:A:PHE:C	1:426:A:MET:N	1:426:A:MET:CA	1:426:A:MET:C	10	3.19
(1,19)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	7	3.19

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,75)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	3	3.18
(1,152)	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	1:479:A:GLN:N	15	3.17
(1,61)	1:430:A:ASN:N	1:430:A:ASN:CA	1:430:A:ASN:C	1:431:A:VAL:N	17	3.16
(1,145)	1:474:A:LYS:C	1:475:A:ARG:N	1:475:A:ARG:CA	1:475:A:ARG:C	10	3.15
(1,38)	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	1:417:A:GLY:N	19	3.15
(1,30)	1:411:A:HIS:C	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	14	3.15
(1,148)	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	1:477:A:LYS:N	8	3.14
(1,93)	1:447:A:CYS:N	1:447:A:CYS:CA	1:447:A:CYS:C	1:448:A:PHE:N	3	3.13
(1,109)	1:456:A:PRO:C	1:457:A:VAL:N	1:457:A:VAL:CA	1:457:A:VAL:C	17	3.11
(1,105)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	20	3.09
(1,93)	1:447:A:CYS:N	1:447:A:CYS:CA	1:447:A:CYS:C	1:448:A:PHE:N	4	3.09
(1,89)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	4	3.09
(1,19)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	2	3.09
(1,6)	1:398:A:GLN:N	1:398:A:GLN:CA	1:398:A:GLN:C	1:399:A:LYS:N	16	3.09
(1,57)	1:427:A:PRO:N	1:427:A:PRO:CA	1:427:A:PRO:C	1:428:A:PHE:N	10	3.08
(1,103)	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	1:453:A:TYR:N	7	3.07
(1,103)	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	1:453:A:TYR:N	14	3.04
(1,148)	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	1:477:A:LYS:N	3	3.03
(1,2)	1:-2:A:SER:N	1:-2:A:SER:CA	1:-2:A:SER:C	1:-1:A:HIS:N	1	3.03
(1,82)	1:440:A:LYS:C	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	7	3.01
(1,18)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	5	3.01
(1,7)	1:398:A:GLN:C	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	19	3.01
(1,100)	1:450:A:PHE:C	1:451:A:VAL:N	1:451:A:VAL:CA	1:451:A:VAL:C	18	3.0
(1,14)	1:403:A:GLU:C	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	8	3.0
(1,143)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	20	2.99
(1,52)	1:424:A:MET:N	1:424:A:MET:CA	1:424:A:MET:C	1:425:A:PHE:N	18	2.99
(1,91)	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	1:446:A:LYS:N	11	2.98
(1,90)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	10	2.98
(1,90)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	11	2.96
(1,129)	1:466:A:MET:C	1:467:A:ASN:N	1:467:A:ASN:CA	1:467:A:ASN:C	18	2.93
(1,88)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	14	2.93
(1,57)	1:427:A:PRO:N	1:427:A:PRO:CA	1:427:A:PRO:C	1:428:A:PHE:N	11	2.93
(1,91)	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	1:446:A:LYS:N	19	2.92
(1,57)	1:427:A:PRO:N	1:427:A:PRO:CA	1:427:A:PRO:C	1:428:A:PHE:N	8	2.92
(1,160)	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	1:483:A:SER:N	10	2.91
(1,119)	1:461:A:ALA:C	1:462:A:ALA:N	1:462:A:ALA:CA	1:462:A:ALA:C	19	2.9
(1,102)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	13	2.89
(1,83)	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	1:442:A:THR:N	12	2.89
(1,26)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	20	2.89
(1,133)	1:468:A:GLY:C	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	20	2.88
(1,143)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	15	2.86
(1,19)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	8	2.85
(1,139)	1:471:A:ILE:C	1:472:A:GLY:N	1:472:A:GLY:CA	1:472:A:GLY:C	1	2.84
(1,129)	1:466:A:MET:C	1:467:A:ASN:N	1:467:A:ASN:CA	1:467:A:ASN:C	17	2.84
(1,108)	1:456:A:PRO:N	1:456:A:PRO:CA	1:456:A:PRO:C	1:457:A:VAL:N	13	2.84
(1,52)	1:424:A:MET:N	1:424:A:MET:CA	1:424:A:MET:C	1:425:A:PHE:N	14	2.84
(1,81)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	16	2.83
(1,55)	1:425:A:PHE:C	1:426:A:MET:N	1:426:A:MET:CA	1:426:A:MET:C	4	2.83
(1,143)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	19	2.8
(1,132)	1:468:A:GLY:N	1:468:A:GLY:CA	1:468:A:GLY:C	1:469:A:PHE:N	15	2.8
(1,19)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	20	2.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,108)	1:456:A:PRO:N	1:456:A:PRO:CA	1:456:A:PRO:C	1:457:A:VAL:N	12	2.79
(1,39)	1:417:A:GLY:C	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	14	2.79
(1,3)	1:-2:A:SER:C	1:-1:A:HIS:N	1:-1:A:HIS:CA	1:-1:A:HIS:C	6	2.79
(1,143)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	12	2.78
(1,126)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	12	2.78
(1,49)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	16	2.78
(1,30)	1:411:A:HIS:C	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	4	2.78
(1,104)	1:452:A:SER:C	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	5	2.77
(1,135)	1:469:A:PHE:C	1:470:A:GLN:N	1:470:A:GLN:CA	1:470:A:GLN:C	15	2.76
(1,155)	1:479:A:GLN:C	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	17	2.74
(1,108)	1:456:A:PRO:N	1:456:A:PRO:CA	1:456:A:PRO:C	1:457:A:VAL:N	14	2.73
(1,58)	1:427:A:PRO:C	1:428:A:PHE:N	1:428:A:PHE:CA	1:428:A:PHE:C	11	2.73
(1,26)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	17	2.73
(1,148)	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	1:477:A:LYS:N	13	2.72
(1,133)	1:468:A:GLY:C	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	19	2.71
(1,79)	1:439:A:ASP:N	1:439:A:ASP:CA	1:439:A:ASP:C	1:440:A:LYS:N	17	2.71
(1,39)	1:417:A:GLY:C	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	18	2.71
(1,133)	1:468:A:GLY:C	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	2	2.7
(1,39)	1:417:A:GLY:C	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	10	2.7
(1,133)	1:468:A:GLY:C	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	13	2.69
(1,91)	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	1:446:A:LYS:N	16	2.69
(1,81)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	8	2.69
(1,26)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	11	2.69
(1,18)	1:405:A:ALA:C	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	13	2.69
(1,146)	1:475:A:ARG:N	1:475:A:ARG:CA	1:475:A:ARG:C	1:476:A:LEU:N	11	2.68
(1,111)	1:457:A:VAL:C	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	14	2.68
(1,82)	1:440:A:LYS:C	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	12	2.68
(1,9)	1:399:A:LYS:C	1:400:A:GLU:N	1:400:A:GLU:CA	1:400:A:GLU:C	4	2.68
(1,102)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	6	2.67
(1,84)	1:441:A:GLN:C	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	11	2.67
(1,121)	1:462:A:ALA:C	1:463:A:ILE:N	1:463:A:ILE:CA	1:463:A:ILE:C	1	2.66
(1,40)	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	1:419:A:GLN:N	15	2.66
(1,4)	1:-1:A:HIS:N	1:-1:A:HIS:CA	1:-1:A:HIS:C	1:0:A:MET:N	10	2.66
(1,81)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	20	2.65
(1,113)	1:458:A:SER:C	1:459:A:ALA:N	1:459:A:ALA:CA	1:459:A:ALA:C	19	2.64
(1,87)	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	1:444:A:LEU:N	6	2.64
(1,77)	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	1:439:A:ASP:N	4	2.64
(1,3)	1:-2:A:SER:C	1:-1:A:HIS:N	1:-1:A:HIS:CA	1:-1:A:HIS:C	2	2.64
(1,135)	1:469:A:PHE:C	1:470:A:GLN:N	1:470:A:GLN:CA	1:470:A:GLN:C	13	2.63
(1,100)	1:450:A:PHE:C	1:451:A:VAL:N	1:451:A:VAL:CA	1:451:A:VAL:C	1	2.63
(1,157)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	2	2.62
(1,135)	1:469:A:PHE:C	1:470:A:GLN:N	1:470:A:GLN:CA	1:470:A:GLN:C	2	2.62
(1,139)	1:471:A:ILE:C	1:472:A:GLY:N	1:472:A:GLY:CA	1:472:A:GLY:C	4	2.61
(1,100)	1:450:A:PHE:C	1:451:A:VAL:N	1:451:A:VAL:CA	1:451:A:VAL:C	17	2.61
(1,48)	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	1:423:A:GLN:N	16	2.61
(1,160)	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	1:483:A:SER:N	13	2.6
(1,152)	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	1:479:A:GLN:N	10	2.6
(1,72)	1:435:A:LYS:C	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	7	2.6
(1,48)	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	1:423:A:GLN:N	14	2.6
(1,22)	1:407:A:LEU:C	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	5	2.59
(1,4)	1:-1:A:HIS:N	1:-1:A:HIS:CA	1:-1:A:HIS:C	1:0:A:MET:N	8	2.59

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,105)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	7	2.58
(1,103)	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	1:453:A:TYR:N	18	2.58
(1,90)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	12	2.58
(1,39)	1:417:A:GLY:C	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	16	2.58
(1,119)	1:461:A:ALA:C	1:462:A:ALA:N	1:462:A:ALA:CA	1:462:A:ALA:C	12	2.57
(1,109)	1:456:A:PRO:C	1:457:A:VAL:N	1:457:A:VAL:CA	1:457:A:VAL:C	15	2.55
(1,90)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	5	2.55
(1,91)	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	1:446:A:LYS:N	5	2.54
(1,102)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	1	2.53
(1,19)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	1	2.53
(1,89)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	3	2.52
(1,63)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	3	2.52
(1,62)	1:430:A:ASN:C	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	17	2.52
(1,51)	1:423:A:GLN:C	1:424:A:MET:N	1:424:A:MET:CA	1:424:A:MET:C	17	2.52
(1,153)	1:478:A:VAL:C	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	19	2.51
(1,133)	1:468:A:GLY:C	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	11	2.51
(1,112)	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	1:459:A:ALA:N	17	2.51
(1,48)	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	1:423:A:GLN:N	10	2.51
(1,153)	1:478:A:VAL:C	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	13	2.5
(1,69)	1:434:A:ALA:N	1:434:A:ALA:CA	1:434:A:ALA:C	1:435:A:LYS:N	1	2.5
(1,153)	1:478:A:VAL:C	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	6	2.48
(1,129)	1:466:A:MET:C	1:467:A:ASN:N	1:467:A:ASN:CA	1:467:A:ASN:C	13	2.48
(1,79)	1:439:A:ASP:N	1:439:A:ASP:CA	1:439:A:ASP:C	1:440:A:LYS:N	16	2.48
(1,70)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	15	2.48
(1,135)	1:469:A:PHE:C	1:470:A:GLN:N	1:470:A:GLN:CA	1:470:A:GLN:C	17	2.47
(1,119)	1:461:A:ALA:C	1:462:A:ALA:N	1:462:A:ALA:CA	1:462:A:ALA:C	3	2.47
(1,108)	1:456:A:PRO:N	1:456:A:PRO:CA	1:456:A:PRO:C	1:457:A:VAL:N	17	2.47
(1,83)	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	1:442:A:THR:N	8	2.47
(1,153)	1:478:A:VAL:C	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	4	2.46
(1,108)	1:456:A:PRO:N	1:456:A:PRO:CA	1:456:A:PRO:C	1:457:A:VAL:N	15	2.46
(1,138)	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	1:472:A:GLY:N	16	2.45
(1,134)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	9	2.45
(1,60)	1:429:A:GLY:C	1:430:A:ASN:N	1:430:A:ASN:CA	1:430:A:ASN:C	9	2.45
(1,23)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	8	2.45
(1,88)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	6	2.44
(1,60)	1:429:A:GLY:C	1:430:A:ASN:N	1:430:A:ASN:CA	1:430:A:ASN:C	17	2.44
(1,157)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	17	2.43
(1,148)	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	1:477:A:LYS:N	10	2.43
(1,3)	1:-2:A:SER:C	1:-1:A:HIS:N	1:-1:A:HIS:CA	1:-1:A:HIS:C	7	2.43
(1,143)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	6	2.42
(1,4)	1:-1:A:HIS:N	1:-1:A:HIS:CA	1:-1:A:HIS:C	1:0:A:MET:N	20	2.42
(1,143)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	2	2.41
(1,77)	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	1:439:A:ASP:N	20	2.4
(1,112)	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	1:459:A:ALA:N	15	2.39
(1,113)	1:458:A:SER:C	1:459:A:ALA:N	1:459:A:ALA:CA	1:459:A:ALA:C	16	2.38
(1,138)	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	1:472:A:GLY:N	2	2.37
(1,69)	1:434:A:ALA:N	1:434:A:ALA:CA	1:434:A:ALA:C	1:435:A:LYS:N	18	2.37
(1,7)	1:398:A:GLN:C	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	15	2.37
(1,69)	1:434:A:ALA:N	1:434:A:ALA:CA	1:434:A:ALA:C	1:435:A:LYS:N	6	2.36
(1,87)	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	1:444:A:LEU:N	1	2.34
(1,76)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	9	2.33

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,61)	1:430:A:ASN:N	1:430:A:ASN:CA	1:430:A:ASN:C	1:431:A:VAL:N	1	2.33
(1,111)	1:457:A:VAL:C	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	8	2.32
(1,90)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	20	2.32
(1,63)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	4	2.32
(1,96)	1:448:A:PHE:C	1:449:A:GLY:N	1:449:A:GLY:CA	1:449:A:GLY:C	8	2.31
(1,53)	1:424:A:MET:C	1:425:A:PHE:N	1:425:A:PHE:CA	1:425:A:PHE:C	15	2.31
(1,36)	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	1:416:A:PHE:N	5	2.31
(1,30)	1:411:A:HIS:C	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	5	2.31
(1,127)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	11	2.3
(1,108)	1:456:A:PRO:N	1:456:A:PRO:CA	1:456:A:PRO:C	1:457:A:VAL:N	5	2.3
(1,14)	1:403:A:GLU:C	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	5	2.3
(1,153)	1:478:A:VAL:C	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	18	2.29
(1,123)	1:463:A:ILE:C	1:464:A:GLN:N	1:464:A:GLN:CA	1:464:A:GLN:C	11	2.29
(1,91)	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	1:446:A:LYS:N	13	2.29
(1,119)	1:461:A:ALA:C	1:462:A:ALA:N	1:462:A:ALA:CA	1:462:A:ALA:C	16	2.28
(1,100)	1:450:A:PHE:C	1:451:A:VAL:N	1:451:A:VAL:CA	1:451:A:VAL:C	2	2.28
(1,59)	1:428:A:PHE:N	1:428:A:PHE:CA	1:428:A:PHE:C	1:429:A:GLY:N	3	2.28
(1,102)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	19	2.27
(1,4)	1:-1:A:HIS:N	1:-1:A:HIS:CA	1:-1:A:HIS:C	1:0:A:MET:N	17	2.26
(1,90)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	2	2.24
(1,145)	1:474:A:LYS:C	1:475:A:ARG:N	1:475:A:ARG:CA	1:475:A:ARG:C	14	2.23
(1,119)	1:461:A:ALA:C	1:462:A:ALA:N	1:462:A:ALA:CA	1:462:A:ALA:C	4	2.23
(1,152)	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	1:479:A:GLN:N	13	2.22
(1,133)	1:468:A:GLY:C	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	5	2.22
(1,76)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	17	2.22
(1,90)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	4	2.21
(1,90)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	8	2.21
(1,115)	1:459:A:ALA:C	1:460:A:GLN:N	1:460:A:GLN:CA	1:460:A:GLN:C	16	2.2
(1,68)	1:433:A:SER:C	1:434:A:ALA:N	1:434:A:ALA:CA	1:434:A:ALA:C	4	2.17
(1,75)	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	1:438:A:ILE:N	11	2.15
(1,70)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	19	2.15
(1,90)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	1	2.14
(1,69)	1:434:A:ALA:N	1:434:A:ALA:CA	1:434:A:ALA:C	1:435:A:LYS:N	5	2.14
(1,93)	1:447:A:CYS:N	1:447:A:CYS:CA	1:447:A:CYS:C	1:448:A:PHE:N	15	2.13
(1,65)	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	1:433:A:SER:N	16	2.13
(1,116)	1:460:A:GLN:N	1:460:A:GLN:CA	1:460:A:GLN:C	1:461:A:ALA:N	9	2.12
(1,149)	1:476:A:LEU:C	1:477:A:LYS:N	1:477:A:LYS:CA	1:477:A:LYS:C	11	2.11
(1,126)	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	1:466:A:MET:N	10	2.11
(1,129)	1:466:A:MET:C	1:467:A:ASN:N	1:467:A:ASN:CA	1:467:A:ASN:C	19	2.1
(1,119)	1:461:A:ALA:C	1:462:A:ALA:N	1:462:A:ALA:CA	1:462:A:ALA:C	7	2.1
(1,129)	1:466:A:MET:C	1:467:A:ASN:N	1:467:A:ASN:CA	1:467:A:ASN:C	15	2.09
(1,90)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	19	2.09
(1,146)	1:475:A:ARG:N	1:475:A:ARG:CA	1:475:A:ARG:C	1:476:A:LEU:N	1	2.08
(1,35)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	14	2.08
(1,143)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	13	2.07
(1,135)	1:469:A:PHE:C	1:470:A:GLN:N	1:470:A:GLN:CA	1:470:A:GLN:C	14	2.07
(1,130)	1:467:A:ASN:N	1:467:A:ASN:CA	1:467:A:ASN:C	1:468:A:GLY:N	8	2.07
(1,135)	1:469:A:PHE:C	1:470:A:GLN:N	1:470:A:GLN:CA	1:470:A:GLN:C	8	2.06
(1,103)	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	1:453:A:TYR:N	1	2.06
(1,100)	1:450:A:PHE:C	1:451:A:VAL:N	1:451:A:VAL:CA	1:451:A:VAL:C	7	2.06
(1,59)	1:428:A:PHE:N	1:428:A:PHE:CA	1:428:A:PHE:C	1:429:A:GLY:N	17	2.06

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,23)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	11	2.06
(1,152)	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	1:479:A:GLN:N	8	2.04
(1,119)	1:461:A:ALA:C	1:462:A:ALA:N	1:462:A:ALA:CA	1:462:A:ALA:C	10	2.04
(1,68)	1:433:A:SER:C	1:434:A:ALA:N	1:434:A:ALA:CA	1:434:A:ALA:C	9	2.04
(1,48)	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	1:423:A:GLN:N	20	2.04
(1,157)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	6	2.03
(1,143)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	4	2.03
(1,121)	1:462:A:ALA:C	1:463:A:ILE:N	1:463:A:ILE:CA	1:463:A:ILE:C	3	2.03
(1,16)	1:404:A:GLY:C	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	18	2.03
(1,14)	1:403:A:GLU:C	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	6	2.03
(1,135)	1:469:A:PHE:C	1:470:A:GLN:N	1:470:A:GLN:CA	1:470:A:GLN:C	5	2.02
(1,16)	1:404:A:GLY:C	1:405:A:ALA:N	1:405:A:ALA:CA	1:405:A:ALA:C	2	2.02
(1,133)	1:468:A:GLY:C	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	3	2.01
(1,106)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	8	2.01
(1,93)	1:447:A:CYS:N	1:447:A:CYS:CA	1:447:A:CYS:C	1:448:A:PHE:N	5	2.01
(1,2)	1:-2:A:SER:N	1:-2:A:SER:CA	1:-2:A:SER:C	1:-1:A:HIS:N	9	2.01
(1,159)	1:481:A:LYS:C	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	4	2.0
(1,94)	1:447:A:CYS:C	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	7	1.99
(1,93)	1:447:A:CYS:N	1:447:A:CYS:CA	1:447:A:CYS:C	1:448:A:PHE:N	17	1.99
(1,22)	1:407:A:LEU:C	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	13	1.99
(1,103)	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	1:453:A:TYR:N	13	1.98
(1,70)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	16	1.98
(1,36)	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	1:416:A:PHE:N	2	1.98
(1,95)	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	1:449:A:GLY:N	2	1.97
(1,84)	1:441:A:GLN:C	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	10	1.97
(1,157)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	13	1.95
(1,133)	1:468:A:GLY:C	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1	1.94
(1,111)	1:457:A:VAL:C	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	4	1.94
(1,108)	1:456:A:PRO:N	1:456:A:PRO:CA	1:456:A:PRO:C	1:457:A:VAL:N	6	1.94
(1,84)	1:441:A:GLN:C	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	17	1.93
(1,81)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	7	1.93
(1,32)	1:413:A:PRO:N	1:413:A:PRO:CA	1:413:A:PRO:C	1:414:A:GLN:N	12	1.91
(1,135)	1:469:A:PHE:C	1:470:A:GLN:N	1:470:A:GLN:CA	1:470:A:GLN:C	11	1.9
(1,152)	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	1:479:A:GLN:N	16	1.89
(1,111)	1:457:A:VAL:C	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	19	1.89
(1,153)	1:478:A:VAL:C	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	20	1.88
(1,145)	1:474:A:LYS:C	1:475:A:ARG:N	1:475:A:ARG:CA	1:475:A:ARG:C	15	1.88
(1,138)	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	1:472:A:GLY:N	10	1.88
(1,74)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	3	1.88
(1,83)	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	1:442:A:THR:N	7	1.87
(1,2)	1:-2:A:SER:N	1:-2:A:SER:CA	1:-2:A:SER:C	1:-1:A:HIS:N	8	1.87
(1,26)	1:409:A:ILE:C	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	16	1.86
(1,59)	1:428:A:PHE:N	1:428:A:PHE:CA	1:428:A:PHE:C	1:429:A:GLY:N	8	1.84
(1,147)	1:475:A:ARG:C	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	16	1.83
(1,156)	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	1:481:A:LYS:N	18	1.82
(1,153)	1:478:A:VAL:C	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	11	1.82
(1,119)	1:461:A:ALA:C	1:462:A:ALA:N	1:462:A:ALA:CA	1:462:A:ALA:C	1	1.82
(1,31)	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	1:413:A:PRO:N	12	1.81
(1,102)	1:451:A:VAL:C	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	20	1.8
(1,95)	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	1:449:A:GLY:N	9	1.8
(1,91)	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	1:446:A:LYS:N	17	1.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,96)	1:448:A:PHE:C	1:449:A:GLY:N	1:449:A:GLY:CA	1:449:A:GLY:C	5	1.79
(1,42)	1:419:A:GLN:N	1:419:A:GLN:CA	1:419:A:GLN:C	1:420:A:ASP:N	3	1.79
(1,34)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	13	1.78
(1,153)	1:478:A:VAL:C	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	3	1.77
(1,106)	1:454:A:ASP:C	1:455:A:ASN:N	1:455:A:ASN:CA	1:455:A:ASN:C	17	1.77
(1,160)	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	1:483:A:SER:N	12	1.76
(1,148)	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	1:477:A:LYS:N	12	1.75
(1,112)	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	1:459:A:ALA:N	18	1.75
(1,15)	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	1:405:A:ALA:N	19	1.74
(1,96)	1:448:A:PHE:C	1:449:A:GLY:N	1:449:A:GLY:CA	1:449:A:GLY:C	18	1.71
(1,93)	1:447:A:CYS:N	1:447:A:CYS:CA	1:447:A:CYS:C	1:448:A:PHE:N	6	1.71
(1,91)	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	1:446:A:LYS:N	1	1.71
(1,108)	1:456:A:PRO:N	1:456:A:PRO:CA	1:456:A:PRO:C	1:457:A:VAL:N	18	1.7
(1,78)	1:438:A:ILE:C	1:439:A:ASP:N	1:439:A:ASP:CA	1:439:A:ASP:C	13	1.7
(1,55)	1:425:A:PHE:C	1:426:A:MET:N	1:426:A:MET:CA	1:426:A:MET:C	2	1.7
(1,6)	1:398:A:GLN:N	1:398:A:GLN:CA	1:398:A:GLN:C	1:399:A:LYS:N	4	1.7
(1,89)	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	1:445:A:SER:N	16	1.69
(1,84)	1:441:A:GLN:C	1:442:A:THR:N	1:442:A:THR:CA	1:442:A:THR:C	6	1.69
(1,83)	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	1:442:A:THR:N	11	1.69
(1,152)	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	1:479:A:GLN:N	5	1.68
(1,146)	1:475:A:ARG:N	1:475:A:ARG:CA	1:475:A:ARG:C	1:476:A:LEU:N	16	1.68
(1,156)	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	1:481:A:LYS:N	8	1.67
(1,87)	1:443:A:ASN:N	1:443:A:ASN:CA	1:443:A:ASN:C	1:444:A:LEU:N	14	1.67
(1,111)	1:457:A:VAL:C	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	20	1.66
(1,55)	1:425:A:PHE:C	1:426:A:MET:N	1:426:A:MET:CA	1:426:A:MET:C	14	1.65
(1,77)	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	1:439:A:ASP:N	13	1.64
(1,148)	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	1:477:A:LYS:N	19	1.63
(1,119)	1:461:A:ALA:C	1:462:A:ALA:N	1:462:A:ALA:CA	1:462:A:ALA:C	13	1.63
(1,91)	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	1:446:A:LYS:N	8	1.63
(1,70)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	3	1.63
(1,157)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	15	1.62
(1,111)	1:457:A:VAL:C	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	9	1.62
(1,94)	1:447:A:CYS:C	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	16	1.62
(1,3)	1:-2:A:SER:C	1:-1:A:HIS:N	1:-1:A:HIS:CA	1:-1:A:HIS:C	11	1.62
(1,121)	1:462:A:ALA:C	1:463:A:ILE:N	1:463:A:ILE:CA	1:463:A:ILE:C	8	1.61
(1,103)	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	1:453:A:TYR:N	4	1.61
(1,30)	1:411:A:HIS:C	1:412:A:LEU:N	1:412:A:LEU:CA	1:412:A:LEU:C	19	1.61
(1,160)	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	1:483:A:SER:N	18	1.59
(1,94)	1:447:A:CYS:C	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	18	1.59
(1,81)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	9	1.59
(1,64)	1:431:A:VAL:C	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	17	1.59
(1,37)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	16	1.59
(1,25)	1:409:A:ILE:N	1:409:A:ILE:CA	1:409:A:ILE:C	1:410:A:TYR:N	1	1.58
(1,127)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	14	1.57
(1,116)	1:460:A:GLN:N	1:460:A:GLN:CA	1:460:A:GLN:C	1:461:A:ALA:N	3	1.57
(1,91)	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	1:446:A:LYS:N	14	1.57
(1,82)	1:440:A:LYS:C	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	2	1.56
(1,71)	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	1:436:A:VAL:N	14	1.56
(1,159)	1:481:A:LYS:C	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	1	1.55
(1,147)	1:475:A:ARG:C	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	4	1.55
(1,145)	1:474:A:LYS:C	1:475:A:ARG:N	1:475:A:ARG:CA	1:475:A:ARG:C	3	1.55

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,119)	1:461:A:ALA:C	1:462:A:ALA:N	1:462:A:ALA:CA	1:462:A:ALA:C	14	1.55
(1,79)	1:439:A:ASP:N	1:439:A:ASP:CA	1:439:A:ASP:C	1:440:A:LYS:N	13	1.55
(1,95)	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	1:449:A:GLY:N	18	1.54
(1,61)	1:430:A:ASN:N	1:430:A:ASN:CA	1:430:A:ASN:C	1:431:A:VAL:N	7	1.54
(1,139)	1:471:A:ILE:C	1:472:A:GLY:N	1:472:A:GLY:CA	1:472:A:GLY:C	6	1.53
(1,104)	1:452:A:SER:C	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	2	1.53
(1,116)	1:460:A:GLN:N	1:460:A:GLN:CA	1:460:A:GLN:C	1:461:A:ALA:N	4	1.52
(1,43)	1:419:A:GLN:C	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	2	1.52
(1,157)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	3	1.51
(1,148)	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	1:477:A:LYS:N	4	1.51
(1,95)	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	1:449:A:GLY:N	19	1.49
(1,69)	1:434:A:ALA:N	1:434:A:ALA:CA	1:434:A:ALA:C	1:435:A:LYS:N	12	1.49
(1,40)	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	1:419:A:GLN:N	17	1.49
(1,103)	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	1:453:A:TYR:N	3	1.48
(1,88)	1:443:A:ASN:C	1:444:A:LEU:N	1:444:A:LEU:CA	1:444:A:LEU:C	4	1.48
(1,19)	1:406:A:ASN:N	1:406:A:ASN:CA	1:406:A:ASN:C	1:407:A:LEU:N	17	1.48
(1,50)	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	1:424:A:MET:N	10	1.47
(1,134)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	4	1.46
(1,105)	1:453:A:TYR:N	1:453:A:TYR:CA	1:453:A:TYR:C	1:454:A:ASP:N	8	1.46
(1,43)	1:419:A:GLN:C	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	18	1.46
(1,2)	1:-2:A:SER:N	1:-2:A:SER:CA	1:-2:A:SER:C	1:-1:A:HIS:N	17	1.46
(1,149)	1:476:A:LEU:C	1:477:A:LYS:N	1:477:A:LYS:CA	1:477:A:LYS:C	4	1.45
(1,100)	1:450:A:PHE:C	1:451:A:VAL:N	1:451:A:VAL:CA	1:451:A:VAL:C	6	1.45
(1,93)	1:447:A:CYS:N	1:447:A:CYS:CA	1:447:A:CYS:C	1:448:A:PHE:N	18	1.45
(1,90)	1:444:A:LEU:C	1:445:A:SER:N	1:445:A:SER:CA	1:445:A:SER:C	9	1.45
(1,79)	1:439:A:ASP:N	1:439:A:ASP:CA	1:439:A:ASP:C	1:440:A:LYS:N	1	1.45
(1,43)	1:419:A:GLN:C	1:420:A:ASP:N	1:420:A:ASP:CA	1:420:A:ASP:C	4	1.45
(1,79)	1:439:A:ASP:N	1:439:A:ASP:CA	1:439:A:ASP:C	1:440:A:LYS:N	7	1.44
(1,14)	1:403:A:GLU:C	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	4	1.44
(1,133)	1:468:A:GLY:C	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	14	1.43
(1,127)	1:465:A:ALA:C	1:466:A:MET:N	1:466:A:MET:CA	1:466:A:MET:C	15	1.43
(1,4)	1:-1:A:HIS:N	1:-1:A:HIS:CA	1:-1:A:HIS:C	1:0:A:MET:N	6	1.43
(1,152)	1:478:A:VAL:N	1:478:A:VAL:CA	1:478:A:VAL:C	1:479:A:GLN:N	17	1.42
(1,129)	1:466:A:MET:C	1:467:A:ASN:N	1:467:A:ASN:CA	1:467:A:ASN:C	10	1.42
(1,7)	1:398:A:GLN:C	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	3	1.42
(1,7)	1:398:A:GLN:C	1:399:A:LYS:N	1:399:A:LYS:CA	1:399:A:LYS:C	17	1.41
(1,100)	1:450:A:PHE:C	1:451:A:VAL:N	1:451:A:VAL:CA	1:451:A:VAL:C	16	1.4
(1,74)	1:436:A:VAL:C	1:437:A:PHE:N	1:437:A:PHE:CA	1:437:A:PHE:C	8	1.4
(1,155)	1:479:A:GLN:C	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	2	1.39
(1,63)	1:431:A:VAL:N	1:431:A:VAL:CA	1:431:A:VAL:C	1:432:A:ILE:N	18	1.39
(1,34)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	4	1.39
(1,138)	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	1:472:A:GLY:N	12	1.37
(1,130)	1:467:A:ASN:N	1:467:A:ASN:CA	1:467:A:ASN:C	1:468:A:GLY:N	11	1.36
(1,148)	1:476:A:LEU:N	1:476:A:LEU:CA	1:476:A:LEU:C	1:477:A:LYS:N	1	1.35
(1,145)	1:474:A:LYS:C	1:475:A:ARG:N	1:475:A:ARG:CA	1:475:A:ARG:C	19	1.35
(1,27)	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	1:411:A:HIS:N	3	1.35
(1,49)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	2	1.34
(1,125)	1:464:A:GLN:C	1:465:A:ALA:N	1:465:A:ALA:CA	1:465:A:ALA:C	16	1.33
(1,100)	1:450:A:PHE:C	1:451:A:VAL:N	1:451:A:VAL:CA	1:451:A:VAL:C	10	1.33
(1,146)	1:475:A:ARG:N	1:475:A:ARG:CA	1:475:A:ARG:C	1:476:A:LEU:N	18	1.32
(1,143)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	9	1.31

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,94)	1:447:A:CYS:C	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	4	1.31
(1,4)	1:-1:A:HIS:N	1:-1:A:HIS:CA	1:-1:A:HIS:C	1:0:A:MET:N	12	1.31
(1,49)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	5	1.3
(1,49)	1:422:A:LEU:C	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	13	1.3
(1,4)	1:-1:A:HIS:N	1:-1:A:HIS:CA	1:-1:A:HIS:C	1:0:A:MET:N	7	1.3
(1,149)	1:476:A:LEU:C	1:477:A:LYS:N	1:477:A:LYS:CA	1:477:A:LYS:C	19	1.29
(1,134)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	17	1.29
(1,103)	1:452:A:SER:N	1:452:A:SER:CA	1:452:A:SER:C	1:453:A:TYR:N	16	1.29
(1,48)	1:422:A:LEU:N	1:422:A:LEU:CA	1:422:A:LEU:C	1:423:A:GLN:N	7	1.29
(1,2)	1:-2:A:SER:N	1:-2:A:SER:CA	1:-2:A:SER:C	1:-1:A:HIS:N	10	1.29
(1,143)	1:473:A:MET:C	1:474:A:LYS:N	1:474:A:LYS:CA	1:474:A:LYS:C	17	1.28
(1,97)	1:449:A:GLY:N	1:449:A:GLY:CA	1:449:A:GLY:C	1:450:A:PHE:N	8	1.28
(1,22)	1:407:A:LEU:C	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1	1.28
(1,6)	1:398:A:GLN:N	1:398:A:GLN:CA	1:398:A:GLN:C	1:399:A:LYS:N	10	1.28
(1,138)	1:471:A:ILE:N	1:471:A:ILE:CA	1:471:A:ILE:C	1:472:A:GLY:N	11	1.27
(1,130)	1:467:A:ASN:N	1:467:A:ASN:CA	1:467:A:ASN:C	1:468:A:GLY:N	7	1.27
(1,70)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	17	1.27
(1,37)	1:415:A:GLU:C	1:416:A:PHE:N	1:416:A:PHE:CA	1:416:A:PHE:C	17	1.27
(1,14)	1:403:A:GLU:C	1:404:A:GLY:N	1:404:A:GLY:CA	1:404:A:GLY:C	15	1.27
(1,36)	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	1:416:A:PHE:N	7	1.24
(1,111)	1:457:A:VAL:C	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	11	1.23
(1,35)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	15	1.23
(1,146)	1:475:A:ARG:N	1:475:A:ARG:CA	1:475:A:ARG:C	1:476:A:LEU:N	3	1.22
(1,134)	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	1:470:A:GLN:N	12	1.22
(1,133)	1:468:A:GLY:C	1:469:A:PHE:N	1:469:A:PHE:CA	1:469:A:PHE:C	18	1.22
(1,112)	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	1:459:A:ALA:N	11	1.21
(1,83)	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	1:442:A:THR:N	16	1.21
(1,155)	1:479:A:GLN:C	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	14	1.19
(1,153)	1:478:A:VAL:C	1:479:A:GLN:N	1:479:A:GLN:CA	1:479:A:GLN:C	10	1.19
(1,100)	1:450:A:PHE:C	1:451:A:VAL:N	1:451:A:VAL:CA	1:451:A:VAL:C	20	1.19
(1,111)	1:457:A:VAL:C	1:458:A:SER:N	1:458:A:SER:CA	1:458:A:SER:C	6	1.18
(1,3)	1:-2:A:SER:C	1:-1:A:HIS:N	1:-1:A:HIS:CA	1:-1:A:HIS:C	10	1.18
(1,135)	1:469:A:PHE:C	1:470:A:GLN:N	1:470:A:GLN:CA	1:470:A:GLN:C	19	1.17
(1,95)	1:448:A:PHE:N	1:448:A:PHE:CA	1:448:A:PHE:C	1:449:A:GLY:N	7	1.17
(1,135)	1:469:A:PHE:C	1:470:A:GLN:N	1:470:A:GLN:CA	1:470:A:GLN:C	9	1.16
(1,135)	1:469:A:PHE:C	1:470:A:GLN:N	1:470:A:GLN:CA	1:470:A:GLN:C	10	1.16
(1,65)	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	1:433:A:SER:N	17	1.14
(1,23)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	19	1.14
(1,61)	1:430:A:ASN:N	1:430:A:ASN:CA	1:430:A:ASN:C	1:431:A:VAL:N	10	1.13
(1,34)	1:414:A:GLN:N	1:414:A:GLN:CA	1:414:A:GLN:C	1:415:A:GLU:N	19	1.13
(1,156)	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	1:481:A:LYS:N	11	1.12
(1,135)	1:469:A:PHE:C	1:470:A:GLN:N	1:470:A:GLN:CA	1:470:A:GLN:C	18	1.12
(1,55)	1:425:A:PHE:C	1:426:A:MET:N	1:426:A:MET:CA	1:426:A:MET:C	18	1.12
(1,157)	1:480:A:LEU:C	1:481:A:LYS:N	1:481:A:LYS:CA	1:481:A:LYS:C	8	1.1
(1,155)	1:479:A:GLN:C	1:480:A:LEU:N	1:480:A:LEU:CA	1:480:A:LEU:C	3	1.1
(1,23)	1:408:A:PHE:N	1:408:A:PHE:CA	1:408:A:PHE:C	1:409:A:ILE:N	17	1.1
(1,2)	1:-2:A:SER:N	1:-2:A:SER:CA	1:-2:A:SER:C	1:-1:A:HIS:N	18	1.1
(1,82)	1:440:A:LYS:C	1:441:A:GLN:N	1:441:A:GLN:CA	1:441:A:GLN:C	9	1.09
(1,72)	1:435:A:LYS:C	1:436:A:VAL:N	1:436:A:VAL:CA	1:436:A:VAL:C	3	1.08
(1,160)	1:482:A:ARG:N	1:482:A:ARG:CA	1:482:A:ARG:C	1:483:A:SER:N	20	1.07
(1,79)	1:439:A:ASP:N	1:439:A:ASP:CA	1:439:A:ASP:C	1:440:A:LYS:N	3	1.07

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,96)	1:448:A:PHE:C	1:449:A:GLY:N	1:449:A:GLY:CA	1:449:A:GLY:C	12	1.06
(1,79)	1:439:A:ASP:N	1:439:A:ASP:CA	1:439:A:ASP:C	1:440:A:LYS:N	11	1.06
(1,76)	1:437:A:PHE:C	1:438:A:ILE:N	1:438:A:ILE:CA	1:438:A:ILE:C	16	1.06
(1,39)	1:417:A:GLY:C	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	3	1.06
(1,70)	1:434:A:ALA:C	1:435:A:LYS:N	1:435:A:LYS:CA	1:435:A:LYS:C	14	1.05
(1,27)	1:410:A:TYR:N	1:410:A:TYR:CA	1:410:A:TYR:C	1:411:A:HIS:N	13	1.05
(1,123)	1:463:A:ILE:C	1:464:A:GLN:N	1:464:A:GLN:CA	1:464:A:GLN:C	20	1.04
(1,39)	1:417:A:GLY:C	1:418:A:ASP:N	1:418:A:ASP:CA	1:418:A:ASP:C	7	1.04
(1,4)	1:-1:A:HIS:N	1:-1:A:HIS:CA	1:-1:A:HIS:C	1:0:A:MET:N	4	1.03
(1,118)	1:461:A:ALA:N	1:461:A:ALA:CA	1:461:A:ALA:C	1:462:A:ALA:N	20	1.02
(1,81)	1:440:A:LYS:N	1:440:A:LYS:CA	1:440:A:LYS:C	1:441:A:GLN:N	13	1.02
(1,65)	1:432:A:ILE:N	1:432:A:ILE:CA	1:432:A:ILE:C	1:433:A:SER:N	9	1.02
(1,50)	1:423:A:GLN:N	1:423:A:GLN:CA	1:423:A:GLN:C	1:424:A:MET:N	12	1.02
(1,35)	1:414:A:GLN:C	1:415:A:GLU:N	1:415:A:GLU:CA	1:415:A:GLU:C	6	1.02