



Full wwPDB NMR Structure Validation Report ⓘ

Jun 3, 2023 – 06:55 PM EDT

PDB ID : 2MNA
BMRB ID : 19095
Title : The structural basis of DNA binding by the single-stranded DNA-binding protein from *Sulfolobus solfataricus*
Authors : Gamsjaeger, R.; Kariawasam, R.; Gimenez, A.X.; Touma, C.F.; Mellwain, E.; Bernardo, R.E.; Shepherd, N.E.; Ataide, S.F.; Dong, A.Q.; Richard, D.J.; White, M.F.; Cubeddu, L.
Deposited on : 2014-04-02

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

MolProbity : 4.02b-467
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
wwPDB-RCI : v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV : Wang et al. (2010)
wwPDB-ShiftChecker : v1.2
BMRB Restraints Analysis : v1.2
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.33

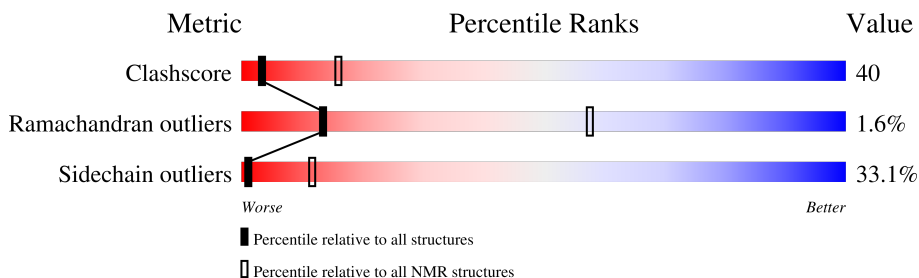
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 88%.

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



Metric	Whole archive (#Entries)	NMR archive (#Entries)
Clashscore	158937	12864
Ramachandran outliers	154571	11451
Sidechain outliers	154315	11428

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

Mol	Chain	Length	Quality of chain
1	B	6	
2	A	117	

2 Ensemble composition and analysis

This entry contains 10 models. Model 2 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:1-A:32, A:36-A:117 (114)	0.05	2

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

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

The models can be grouped into 2 clusters and 1 single-model cluster was found.

Cluster number	Models
1	1, 2, 5, 6, 7, 8, 10
2	4, 9
Single-model clusters	3

3 Entry composition

There are 2 unique types of molecules in this entry. The entry contains 1998 atoms, of which 985 are hydrogens and 0 are deuteriums.

- Molecule 1 is a DNA chain called ssDNA.

Mol	Chain	Residues	Atoms					Trace	
			Total	C	H	N	O		P
1	B	6	191	60	74	12	40	5	0

- Molecule 2 is a protein called Single-stranded DNA binding protein (SSB).

Mol	Chain	Residues	Atoms					Trace	
			Total	C	H	N	O		S
2	A	117	1807	550	911	165	179	2	0

There are 3 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	115	ARG	-	expression tag	UNP Q97W73
A	116	ARG	-	expression tag	UNP Q97W73
A	117	ARG	-	expression tag	UNP Q97W73

4 Residue-property plots

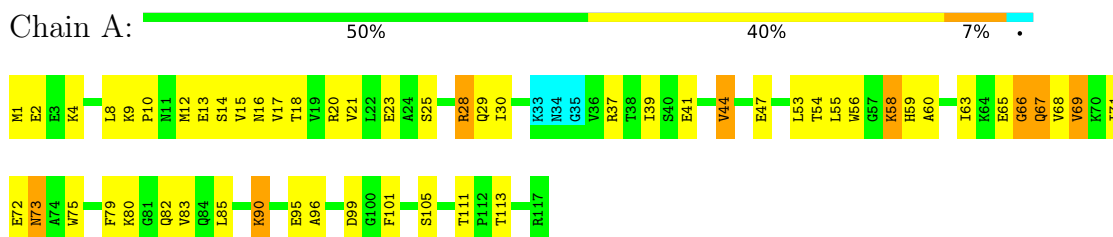
4.1 Average score per residue in the NMR ensemble

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

- Molecule 1: ssDNA



- Molecule 2: Single-stranded DNA binding protein (SSB)



4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

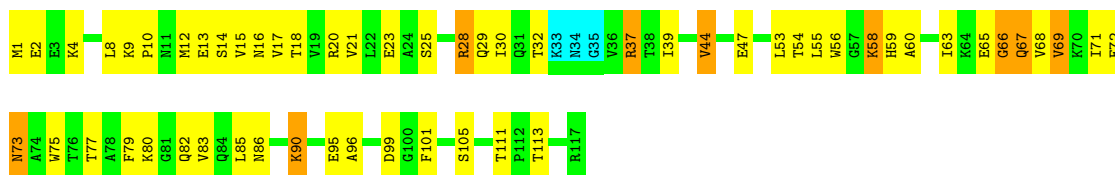
4.2.1 Score per residue for model 1

- Molecule 1: ssDNA



- Molecule 2: Single-stranded DNA binding protein (SSB)



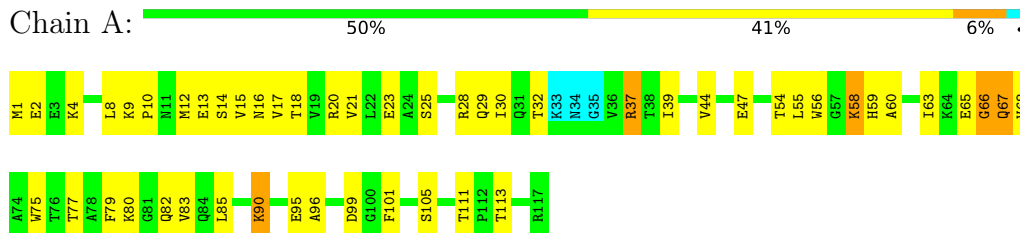


4.2.2 Score per residue for model 2 (medoid)

- Molecule 1: ssDNA



- Molecule 2: Single-stranded DNA binding protein (SSB)

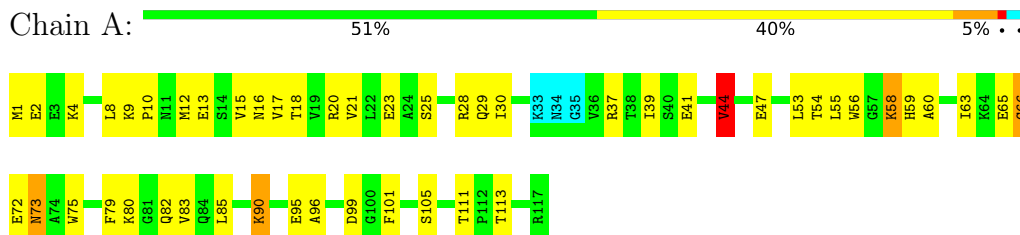


4.2.3 Score per residue for model 3

- Molecule 1: ssDNA

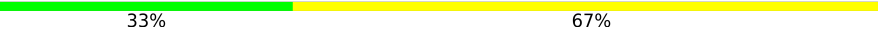


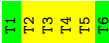
- Molecule 2: Single-stranded DNA binding protein (SSB)



4.2.4 Score per residue for model 4


- Molecule 1: ssDNA

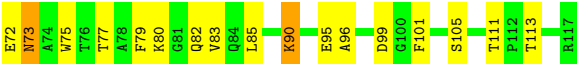
Chain B:  33% 67%

 T1
T2
T3
T4
T5
T6

- Molecule 2: Single-stranded DNA binding protein (SSB)

Chain A:  50% 41% 7%

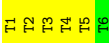
 M1
E2
E3
K4
L8
K9
P10
M11
M12
E13
S14
V15
M16
V17
T18
V19
R20
V21
L22
E23
A24
S25
R28
Q29
I30
K33
N34
G35
V36
R37
T38
I39
S40
E41
V44
E47
L53
T54
L55
W56
G57
K58
H59
A60
I63
K64
E65
G66
Q67
V68
V69
K70
I71

 E72
N73
A74
W75
T76
A78
F79
G80
Q81
M82
E83
V84
Q85
L85
K90
E95
A96
D99
G100
F101
S105
T111
P112
T113
R117

4.2.5 Score per residue for model 5

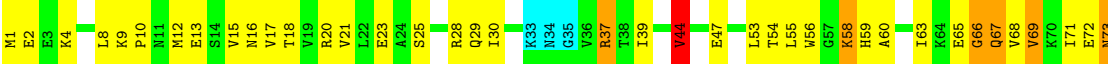
- Molecule 1: ssDNA

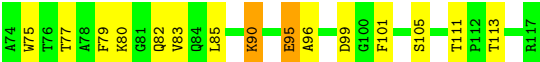
Chain B:  17% 83%

 T1
T2
T3
T4
T5
T6

- Molecule 2: Single-stranded DNA binding protein (SSB)

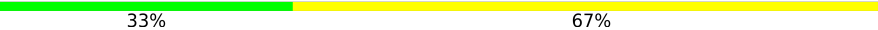
Chain A:  51% 38% 7%

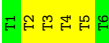
 M1
E2
E3
K4
L8
K9
P10
M11
M12
E13
S14
V15
M16
V17
T18
V19
R20
V21
L22
E23
A24
S25
R28
Q29
I30
K33
N34
G35
V36
R37
T38
I39
V44
E47
L53
T54
L55
W56
G57
K58
H59
A60
I63
K64
E65
G66
Q67
V68
V69
K70
I71
N73

 A74
W75
T76
A78
F79
G80
Q81
M82
E83
V84
Q85
L85
K90
E95
A96
D99
G100
F101
S105
T111
P112
T113
R117

4.2.6 Score per residue for model 6

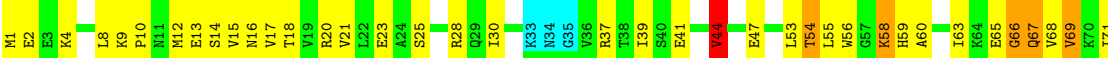
- Molecule 1: ssDNA

Chain B:  33% 67%

 T1
T2
T3
T4
T5
T6

- Molecule 2: Single-stranded DNA binding protein (SSB)

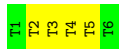
Chain A:  51% 39% 6%

 M1
E2
E3
K4
L8
K9
P10
M11
M12
E13
S14
V15
M16
V17
T18
V19
R20
V21
L22
E23
A24
S25
R28
Q29
I30
K33
N34
G35
V36
R37
T38
I39
S40
E41
V44
E47
L53
T54
L55
W56
G57
K58
H59
A60
I63
K64
E65
G66
Q67
V68
V69
K70
I71

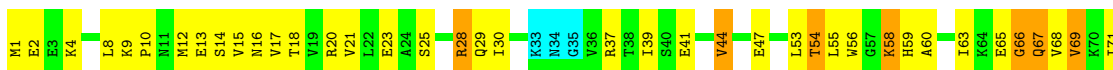


4.2.7 Score per residue for model 7

- Molecule 1: ssDNA

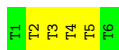


- Molecule 2: Single-stranded DNA binding protein (SSB)

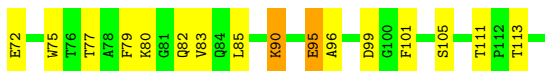
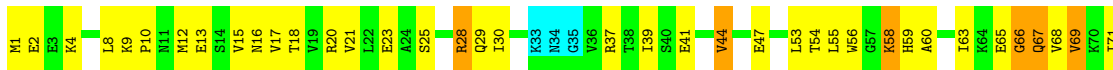


4.2.8 Score per residue for model 8

- Molecule 1: ssDNA

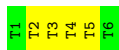
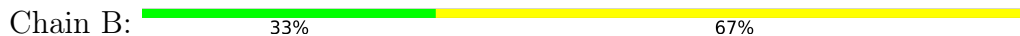


- Molecule 2: Single-stranded DNA binding protein (SSB)

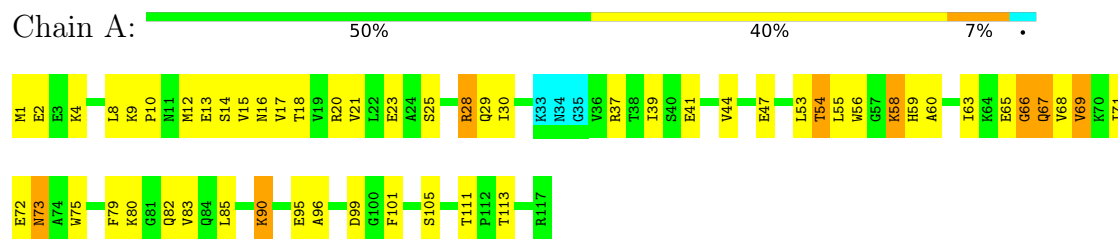


4.2.9 Score per residue for model 9

- Molecule 1: ssDNA



- Molecule 2: Single-stranded DNA binding protein (SSB)

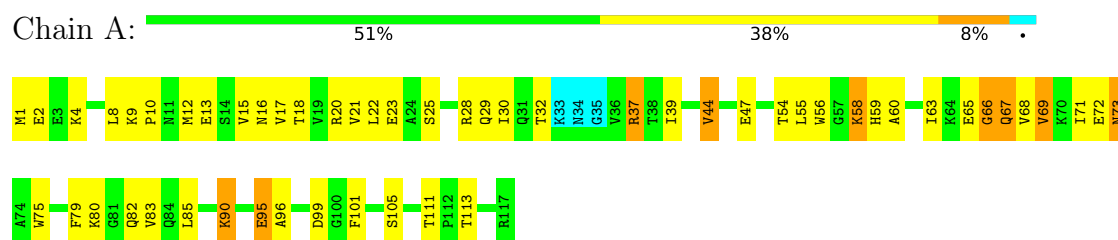


4.2.10 Score per residue for model 10

- Molecule 1: ssDNA



- Molecule 2: Single-stranded DNA binding protein (SSB)



5 Refinement protocol and experimental data overview

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

Of the 10000 calculated structures, 10 were deposited, based on the following criterion: *structures with the lowest energy*.

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

Software name	Classification	Version
ARIA	refinement	
HADDOCK	refinement	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1467
Number of shifts mapped to atoms	1467
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	88%

6 Model quality [i](#)

6.1 Standard geometry [i](#)

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	B	0.39±0.02	0±0/128 (0.0± 0.0%)	0.82±0.04	0±0/196 (0.0± 0.0%)
2	A	0.39±0.01	0±0/893 (0.0± 0.0%)	0.51±0.01	1±0/1202 (0.1± 0.0%)
All	All	0.39	0/10210 (0.0%)	0.56	10/13980 (0.1%)

There are no bond-length outliers.

All unique angle outliers are listed below.

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
2	A	44	VAL	CG1-CB-CG2	-5.99	101.31	110.90	5	10

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	B	117	74	74	57±5
2	A	875	889	878	67±2
All	All	9920	9630	9520	787

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 40.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:2:DT:C1'	1:B:3:DT:H72	1.01	1.86	7	9
1:B:2:DT:H1'	1:B:3:DT:H72	0.99	1.34	8	9
1:B:3:DT:C6	2:A:56:TRP:CZ2	0.85	2.64	1	10
1:B:2:DT:H2''	1:B:3:DT:C5	0.83	2.06	9	3
1:B:2:DT:H1'	1:B:3:DT:C7	0.83	2.02	8	9
1:B:5:DT:C6	2:A:79:PHE:CZ	0.83	2.67	5	10
1:B:3:DT:C4	2:A:56:TRP:CE3	0.82	2.68	4	10
1:B:2:DT:C5	2:A:75:TRP:CE3	0.82	2.68	7	10
1:B:5:DT:C5	2:A:79:PHE:CE1	0.81	2.68	7	10
1:B:2:DT:C4	2:A:75:TRP:CE3	0.80	2.70	4	10
1:B:2:DT:H2''	1:B:3:DT:C6	0.80	2.12	9	9
1:B:3:DT:C2	2:A:56:TRP:CZ3	0.79	2.71	1	10
1:B:3:DT:C5	2:A:56:TRP:CE2	0.79	2.71	1	10
1:B:2:DT:C2	2:A:75:TRP:CH2	0.77	2.72	5	10
1:B:4:DT:C6	1:B:5:DT:H73	0.77	2.14	1	3
1:B:4:DT:C6	1:B:5:DT:H72	0.77	2.14	7	7
1:B:2:DT:C5	2:A:75:TRP:CD2	0.77	2.72	1	10
1:B:3:DT:C5	2:A:56:TRP:CD2	0.77	2.73	10	9
1:B:3:DT:H2''	1:B:4:DT:C6	0.77	2.14	3	8
1:B:2:DT:C2'	1:B:3:DT:H72	0.76	2.10	3	3
1:B:2:DT:C6	2:A:75:TRP:CD2	0.75	2.75	5	10
1:B:5:DT:C4	2:A:79:PHE:CD1	0.74	2.76	4	10
1:B:3:DT:C4	2:A:56:TRP:CD2	0.74	2.76	1	3
1:B:2:DT:C6	2:A:75:TRP:CE2	0.73	2.77	4	10
1:B:2:DT:H1'	2:A:75:TRP:CZ2	0.72	2.20	5	10
1:B:3:DT:H4'	1:B:4:DT:OP1	0.71	1.85	5	4
1:B:2:DT:C2	2:A:75:TRP:CZ3	0.70	2.78	1	10
1:B:3:DT:C6	2:A:56:TRP:CH2	0.70	2.79	9	10
1:B:5:DT:C2	2:A:79:PHE:CE2	0.70	2.80	6	10
1:B:5:DT:C2	2:A:79:PHE:CD2	0.69	2.81	2	10
2:A:39:ILE:HG22	2:A:56:TRP:HA	0.69	1.64	3	10
1:B:3:DT:N1	2:A:56:TRP:CH2	0.68	2.61	7	10
1:B:5:DT:C4	2:A:79:PHE:CG	0.67	2.83	6	10
1:B:2:DT:H2''	1:B:3:DT:C7	0.67	2.19	3	3
1:B:3:DT:C6	2:A:56:TRP:CE2	0.63	2.87	8	9
1:B:5:DT:C5	2:A:79:PHE:CD1	0.63	2.87	6	10
2:A:30:ILE:HG21	2:A:39:ILE:HD11	0.63	1.70	9	10
1:B:5:DT:C6	2:A:79:PHE:CE1	0.62	2.87	7	10
2:A:58:LYS:HE3	2:A:59:HIS:CD2	0.62	2.29	6	10
2:A:28:ARG:HG2	2:A:29:GLN:N	0.62	2.10	10	9
2:A:39:ILE:HG21	2:A:56:TRP:CE3	0.62	2.29	10	10
1:B:2:DT:H1'	1:B:3:DT:C4	0.62	2.30	1	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:2:DT:N3	2:A:75:TRP:CZ3	0.61	2.68	10	10
2:A:10:PRO:HB3	2:A:83:VAL:HG13	0.61	1.70	4	10
1:B:3:DT:C5	2:A:56:TRP:CE3	0.61	2.88	5	9
1:B:3:DT:C2'	1:B:4:DT:C6	0.60	2.84	3	2
1:B:4:DT:N1	1:B:5:DT:H72	0.60	2.12	9	5
2:A:65:GLU:O	2:A:67:GLN:N	0.58	2.36	4	10
1:B:4:DT:C6	1:B:5:DT:C7	0.58	2.86	3	7
1:B:4:DT:H2''	1:B:5:DT:OP1	0.58	1.98	7	1
1:B:3:DT:H2''	1:B:4:DT:H6	0.58	1.55	3	3
2:A:79:PHE:CE2	2:A:80:LYS:HE2	0.57	2.34	7	2
1:B:4:DT:H2'	1:B:5:DT:C5	0.57	2.35	7	1
2:A:73:ASN:O	2:A:90:LYS:HG2	0.57	1.99	10	9
1:B:5:DT:N1	2:A:79:PHE:CE2	0.56	2.73	5	10
1:B:4:DT:O2	2:A:54:THR:HG21	0.56	2.00	7	8
1:B:3:DT:H2'	1:B:4:DT:H71	0.56	1.78	3	1
1:B:2:DT:C4	2:A:75:TRP:CZ3	0.56	2.93	7	8
1:B:2:DT:H5'	1:B:3:DT:OP1	0.56	2.01	5	1
1:B:3:DT:N3	2:A:56:TRP:CE3	0.56	2.74	1	2
1:B:2:DT:C1'	1:B:3:DT:C7	0.55	2.74	4	7
1:B:2:DT:C1'	2:A:75:TRP:CZ2	0.55	2.89	5	5
2:A:79:PHE:CD2	2:A:80:LYS:HG2	0.55	2.36	7	10
1:B:3:DT:C5	2:A:56:TRP:CZ2	0.55	2.92	1	1
2:A:67:GLN:NE2	2:A:69:VAL:HG13	0.55	2.17	3	10
1:B:3:DT:C2	2:A:56:TRP:CH2	0.54	2.96	8	10
2:A:39:ILE:HA	2:A:60:ALA:HB2	0.54	1.80	2	10
1:B:3:DT:C7	2:A:56:TRP:CG	0.54	2.91	2	8
2:A:68:VAL:HB	2:A:96:ALA:O	0.53	2.02	8	10
1:B:3:DT:N3	2:A:56:TRP:CZ3	0.53	2.76	6	9
1:B:2:DT:H2''	1:B:3:DT:H72	0.53	1.74	3	1
1:B:2:DT:N1	2:A:75:TRP:CZ2	0.52	2.78	5	10
1:B:5:DT:N3	2:A:79:PHE:CD2	0.52	2.77	6	10
1:B:4:DT:H73	2:A:77:THR:HG21	0.52	1.81	1	4
1:B:3:DT:C7	2:A:56:TRP:CE2	0.52	2.93	9	2
1:B:3:DT:O3'	1:B:4:DT:H6	0.51	1.87	8	2
1:B:2:DT:C2'	1:B:3:DT:C7	0.51	2.87	9	2
1:B:5:DT:N3	2:A:79:PHE:CG	0.51	2.79	4	10
1:B:2:DT:O4'	1:B:3:DT:H72	0.50	2.05	4	4
1:B:3:DT:C7	2:A:75:TRP:HZ2	0.50	2.20	9	7
2:A:17:VAL:HG13	2:A:71:ILE:HB	0.50	1.84	4	10
2:A:21:VAL:HB	2:A:66:GLY:HA2	0.49	1.85	4	10
1:B:2:DT:C7	2:A:75:TRP:CG	0.49	2.95	1	6

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:3:DT:H71	2:A:56:TRP:CG	0.49	2.42	3	7
1:B:3:DT:C7	2:A:56:TRP:CD2	0.48	2.96	2	8
1:B:2:DT:H73	2:A:75:TRP:CB	0.48	2.38	5	2
1:B:3:DT:C2'	1:B:4:DT:H6	0.48	2.18	3	2
1:B:2:DT:N1	2:A:75:TRP:CH2	0.48	2.81	3	9
1:B:4:DT:C2	2:A:54:THR:HG21	0.48	2.43	3	3
1:B:4:DT:H71	2:A:77:THR:OG1	0.48	2.09	8	1
1:B:2:DT:H73	2:A:75:TRP:CG	0.48	2.43	3	9
1:B:2:DT:C1'	1:B:3:DT:C4	0.48	2.96	1	1
2:A:39:ILE:CG2	2:A:56:TRP:CE3	0.48	2.96	10	10
1:B:1:DT:H2'	2:A:37:ARG:HH22	0.48	1.69	5	1
2:A:12:MET:O	2:A:75:TRP:HA	0.48	2.09	7	10
1:B:2:DT:C2'	1:B:3:DT:C5	0.47	2.90	9	2
2:A:44:VAL:CG2	2:A:53:LEU:HB2	0.47	2.39	3	7
1:B:5:DT:H2'	2:A:79:PHE:CZ	0.47	2.45	8	1
1:B:4:DT:O5'	1:B:5:DT:H73	0.47	2.10	9	1
1:B:4:DT:H2'	1:B:5:DT:C6	0.46	2.44	7	1
1:B:3:DT:C4	2:A:56:TRP:CZ3	0.46	3.04	6	8
2:A:54:THR:HB	2:A:86:ASN:OD1	0.46	2.10	1	1
1:B:3:DT:C2'	1:B:4:DT:H71	0.46	2.40	3	1
2:A:21:VAL:O	2:A:66:GLY:HA2	0.46	2.11	3	10
1:B:3:DT:H2''	1:B:4:DT:O4'	0.46	2.10	1	1
1:B:2:DT:C6	2:A:75:TRP:CE3	0.46	3.01	7	2
1:B:2:DT:C6	2:A:75:TRP:CZ2	0.46	3.03	9	2
1:B:3:DT:H72	2:A:75:TRP:CZ2	0.45	2.46	9	2
1:B:3:DT:H3'	1:B:4:DT:H71	0.45	1.88	6	1
1:B:3:DT:C7	2:A:56:TRP:CD1	0.45	3.00	9	2
2:A:67:GLN:HE22	2:A:69:VAL:HG13	0.44	1.72	8	10
1:B:5:DT:N1	2:A:79:PHE:CZ	0.44	2.85	6	6
1:B:4:DT:C2'	1:B:5:DT:H72	0.44	2.43	8	1
1:B:4:DT:H3'	1:B:5:DT:C7	0.44	2.43	6	1
1:B:3:DT:H73	2:A:56:TRP:CD1	0.43	2.48	10	4
2:A:14:SER:HB3	2:A:73:ASN:HD21	0.43	1.73	7	6
1:B:3:DT:H73	2:A:56:TRP:NE1	0.43	2.28	9	1
1:B:4:DT:C1'	1:B:5:DT:H72	0.43	2.44	4	2
2:A:32:THR:HG23	2:A:37:ARG:HD3	0.43	1.89	10	1
1:B:2:DT:H3	2:A:90:LYS:NZ	0.42	2.11	8	1
2:A:21:VAL:HB	2:A:66:GLY:CA	0.42	2.45	2	6
1:B:1:DT:H2'	2:A:37:ARG:NH2	0.42	2.28	5	1
1:B:3:DT:C7	2:A:75:TRP:CZ2	0.42	3.02	1	3
2:A:67:GLN:NE2	2:A:68:VAL:C	0.42	2.74	10	10

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:A:67:GLN:OE1	2:A:95:GLU:CG	0.42	2.68	8	3
1:B:3:DT:H73	2:A:75:TRP:HZ2	0.42	1.75	8	2
1:B:2:DT:O3'	1:B:3:DT:H2'	0.41	2.14	7	1
1:B:4:DT:O2	1:B:4:DT:H2'	0.41	2.15	9	1
2:A:22:LEU:HG	2:A:44:VAL:HA	0.41	1.92	10	1
1:B:5:DT:H72	2:A:79:PHE:CE1	0.41	2.50	1	2
2:A:32:THR:CG2	2:A:37:ARG:HD3	0.40	2.47	1	2
1:B:2:DT:C5	2:A:75:TRP:CG	0.40	3.09	4	1
2:A:53:LEU:HD13	2:A:54:THR:N	0.40	2.32	9	1

6.3 Torsion angles [i](#)

6.3.1 Protein backbone [i](#)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	A	112/117 (96%)	100±0 (89±0%)	10±0 (9±0%)	2±0 (2±0%)	13	57
All	All	1120/1170 (96%)	998 (89%)	104 (9%)	18 (2%)	13	57

All 2 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
2	A	66	GLY	10
2	A	73	ASN	8

6.3.2 Protein sidechains [i](#)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	A	96/97 (99%)	64±1 (67±1%)	32±1 (33±1%)	1	12

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
All	All	960/970 (99%)	642 (67%)	318 (33%)	1 12

All 34 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
2	A	1[A]	MET	10
2	A	1[B]	MET	10
2	A	2	GLU	10
2	A	4	LYS	10
2	A	8	LEU	10
2	A	9	LYS	10
2	A	13	GLU	10
2	A	15	VAL	10
2	A	16	ASN	10
2	A	18	THR	10
2	A	20	ARG	10
2	A	23	GLU	10
2	A	25	SER	10
2	A	37	ARG	10
2	A	47	GLU	10
2	A	55	LEU	10
2	A	58	LYS	10
2	A	63	ILE	10
2	A	67	GLN	10
2	A	69	VAL	10
2	A	72	GLU	10
2	A	82	GLN	10
2	A	85	LEU	10
2	A	90	LYS	10
2	A	95	GLU	10
2	A	99	ASP	10
2	A	101	PHE	10
2	A	105	SER	10
2	A	111	THR	10
2	A	113	THR	10
2	A	28	ARG	6
2	A	41	GLU	6
2	A	44	VAL	3
2	A	54	THR	3

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation [i](#)

The completeness of assignment taking into account all chemical shift lists is 88% for the well-defined parts and 88% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping [i](#)

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

Total number of shifts	1467
Number of shifts mapped to atoms	1467
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	3

7.1.2 Chemical shift referencing [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	117	-0.04 ± 0.17	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	107	-0.09 ± 0.17	None needed (< 0.5 ppm)
$^{13}\text{C}'$	117	0.23 ± 0.16	None needed (< 0.5 ppm)
^{15}N	112	0.27 ± 0.27	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments [i](#)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 88%, i.e. 1433 atoms were assigned a chemical shift out of a possible 1635. 0 out of 16 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	568/571 (99%)	231/233 (99%)	228/228 (100%)	109/110 (99%)
Sidechain	818/905 (90%)	555/584 (95%)	245/279 (88%)	18/42 (43%)

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	Total	¹ H	¹³ C	¹⁵ N
Aromatic	47/51 (92%)	24/26 (92%)	21/22 (95%)	2/3 (67%)
Sugar	0/72 (0%)	0/42 (0%)	0/30 (0%)	0/0 (—%)
Base	0/36 (0%)	0/18 (0%)	0/12 (0%)	0/6 (0%)
Overall	1433/1635 (88%)	810/903 (90%)	494/571 (87%)	129/161 (80%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 88%, i.e. 1467 atoms were assigned a chemical shift out of a possible 1671. 0 out of 16 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	584/587 (99%)	238/240 (99%)	234/234 (100%)	112/113 (99%)
Sidechain	836/925 (90%)	567/596 (95%)	250/285 (88%)	19/44 (43%)
Aromatic	47/51 (92%)	24/26 (92%)	21/22 (95%)	2/3 (67%)
Sugar	0/72 (0%)	0/42 (0%)	0/30 (0%)	0/0 (—%)
Base	0/36 (0%)	0/18 (0%)	0/12 (0%)	0/6 (0%)
Overall	1467/1671 (88%)	829/922 (90%)	505/583 (87%)	133/166 (80%)

7.1.4 Statistically unusual chemical shifts [i](#)

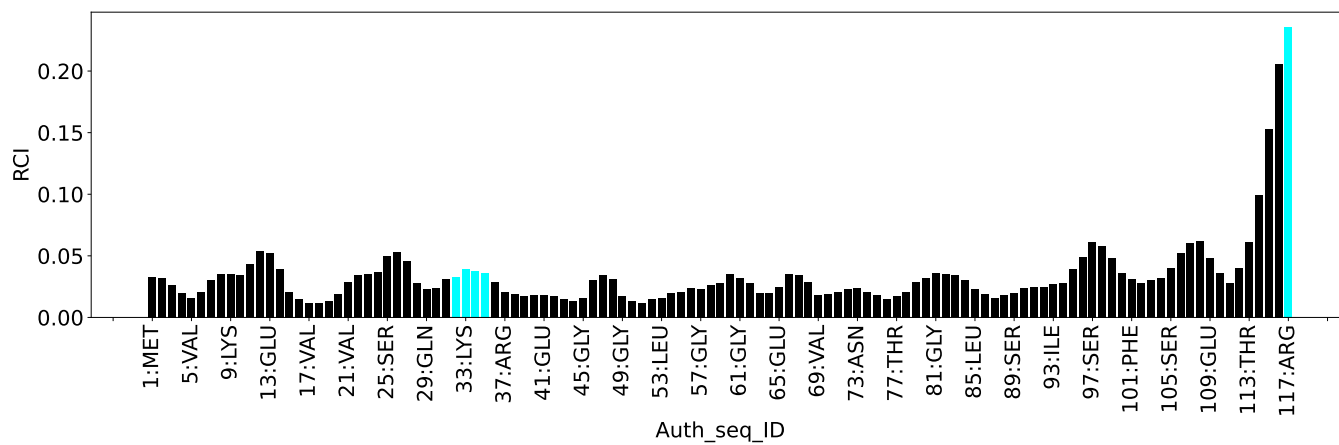
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	86	ASN	HB2	0.42	1.27 – 4.34	-7.8
1	A	102	PRO	CD	43.49	45.11 – 55.58	-6.5
1	A	86	ASN	HB3	0.84	1.12 – 4.38	-5.9

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

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

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	2092
Intra-residue ($ i-j =0$)	650
Sequential ($ i-j =1$)	494
Medium range ($ i-j >1$ and $ i-j <5$)	207
Long range ($ i-j \geq 5$)	645
Inter-chain	96
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	17.0
Number of long range restraints per residue ¹	5.2

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	20.9	0.2
0.2-0.5 (Medium)	50.8	0.49
>0.5 (Large)	6.3	1.57

8.2.2 Average number of dihedral-angle violations per model

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

9 Distance violation analysis

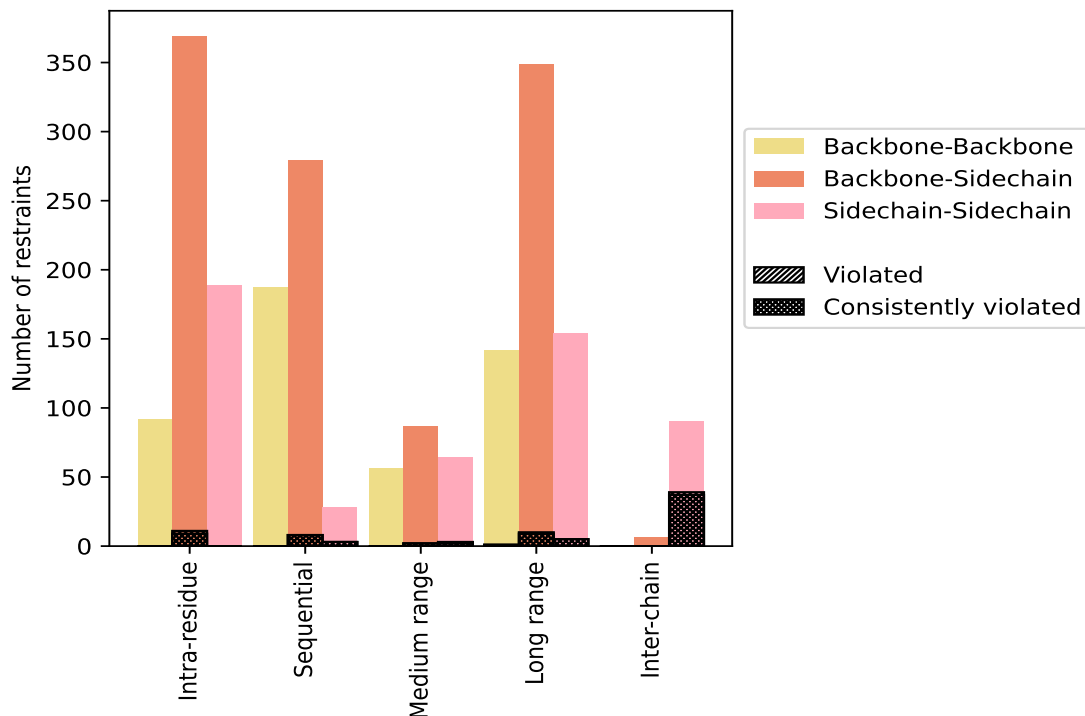
9.1 Summary of distance violations

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

Restrains type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue ($i-j =0$)	650	31.1	11	1.7	0.5	9	1.4	0.4
Backbone-Backbone	92	4.4	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	369	17.6	11	3.0	0.5	9	2.4	0.4
Sidechain-Sidechain	189	9.0	0	0.0	0.0	0	0.0	0.0
Sequential ($i-j =1$)	494	23.6	11	2.2	0.5	11	2.2	0.5
Backbone-Backbone	187	8.9	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	279	13.3	8	2.9	0.4	8	2.9	0.4
Sidechain-Sidechain	28	1.3	3	10.7	0.1	3	10.7	0.1
Medium range ($i-j >1$ & $i-j <5$)	207	9.9	5	2.4	0.2	4	1.9	0.2
Backbone-Backbone	56	2.7	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	87	4.2	2	2.3	0.1	2	2.3	0.1
Sidechain-Sidechain	64	3.1	3	4.7	0.1	2	3.1	0.1
Long range ($i-j \geq 5$)	645	30.8	16	2.5	0.8	15	2.3	0.7
Backbone-Backbone	142	6.8	1	0.7	0.0	1	0.7	0.0
Backbone-Sidechain	349	16.7	10	2.9	0.5	9	2.6	0.4
Sidechain-Sidechain	154	7.4	5	3.2	0.2	5	3.2	0.2
Inter-chain	96	4.6	39	40.6	1.9	37	38.5	1.8
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	6	0.3	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	90	4.3	39	43.3	1.9	37	41.1	1.8
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	2092	100.0	82	3.9	3.9	76	3.6	3.6
Backbone-Backbone	477	22.8	1	0.2	0.0	1	0.2	0.0
Backbone-Sidechain	1090	52.1	31	2.8	1.5	28	2.6	1.3
Sidechain-Sidechain	525	25.1	50	9.5	2.4	47	9.0	2.2

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

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



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

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

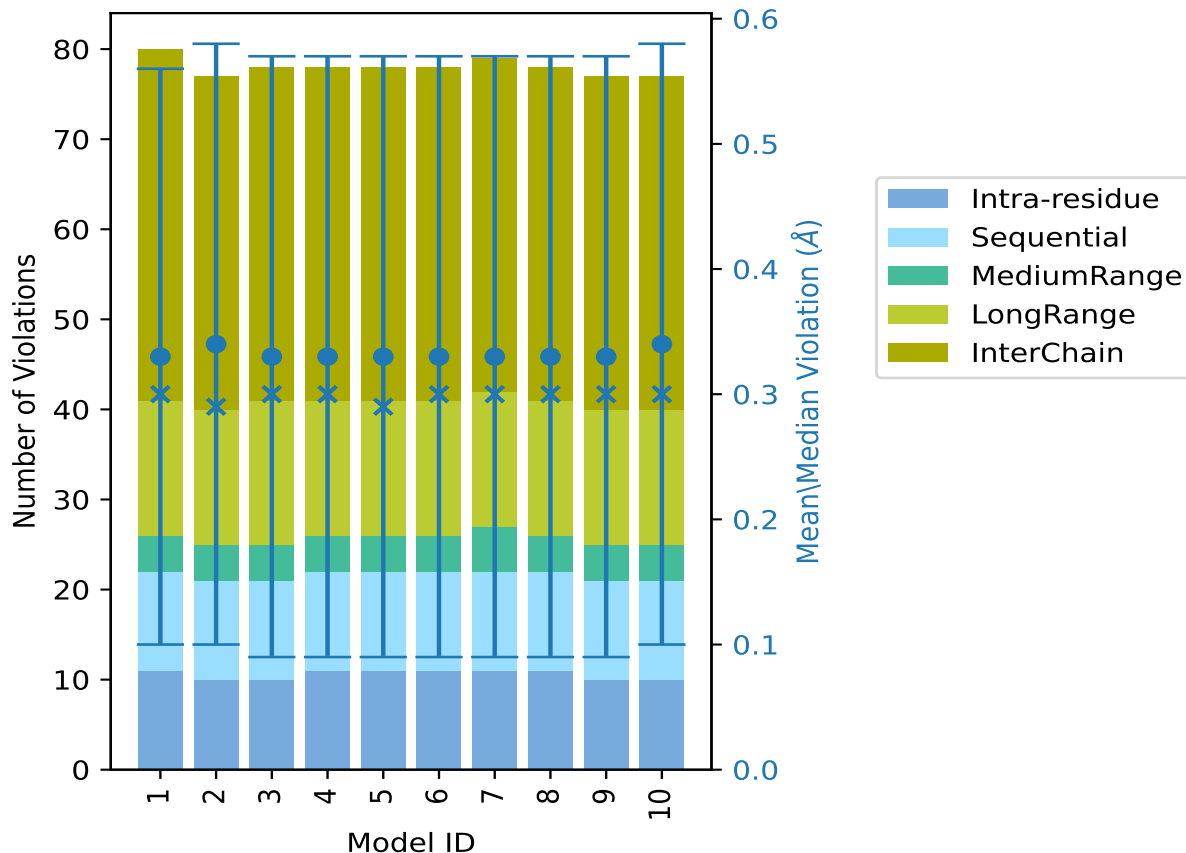
The following table provides the distance violation statistics for each model in the ensemble. Violations less than 0.1 Å are not included in the statistics.

Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
1	11	11	4	15	39	80	0.33	1.56	0.23	0.3
2	10	11	4	15	37	77	0.34	1.56	0.24	0.29
3	10	11	4	16	37	78	0.33	1.57	0.24	0.3
4	11	11	4	15	37	78	0.33	1.54	0.24	0.3
5	11	11	4	15	37	78	0.33	1.56	0.24	0.29
6	11	11	4	15	37	78	0.33	1.57	0.24	0.3
7	11	11	5	15	37	79	0.33	1.56	0.24	0.3
8	11	11	4	15	37	78	0.33	1.57	0.24	0.3
9	10	11	4	15	37	77	0.33	1.55	0.24	0.3
10	10	11	4	15	37	77	0.34	1.54	0.24	0.3

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

⁵Inter-chain restraints, ⁶Standard deviation

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



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

9.3 Distance violation statistics for the ensemble [i](#)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 2010(IR:639, SQ:483, MR:202, LR:629, IC:57) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total	Count ⁶	%
0	0	1	1	2	4	1	10.0
0	0	0	0	0	0	2	20.0
0	0	0	0	0	0	3	30.0
0	0	0	0	0	0	4	40.0

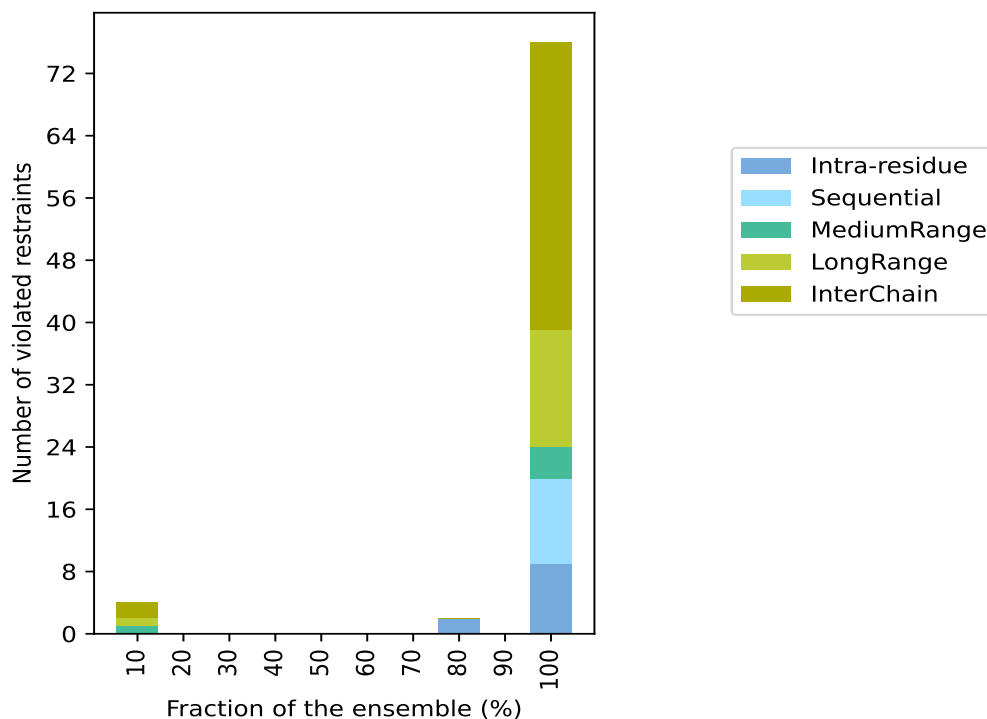
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Number of violated restraints						Fraction of the ensemble	
IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total	Count ⁶	%
0	0	0	0	0	0	5	50.0
0	0	0	0	0	0	6	60.0
0	0	0	0	0	0	7	70.0
2	0	0	0	0	2	8	80.0
0	0	0	0	0	0	9	90.0
9	11	4	15	37	76	10	100.0

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

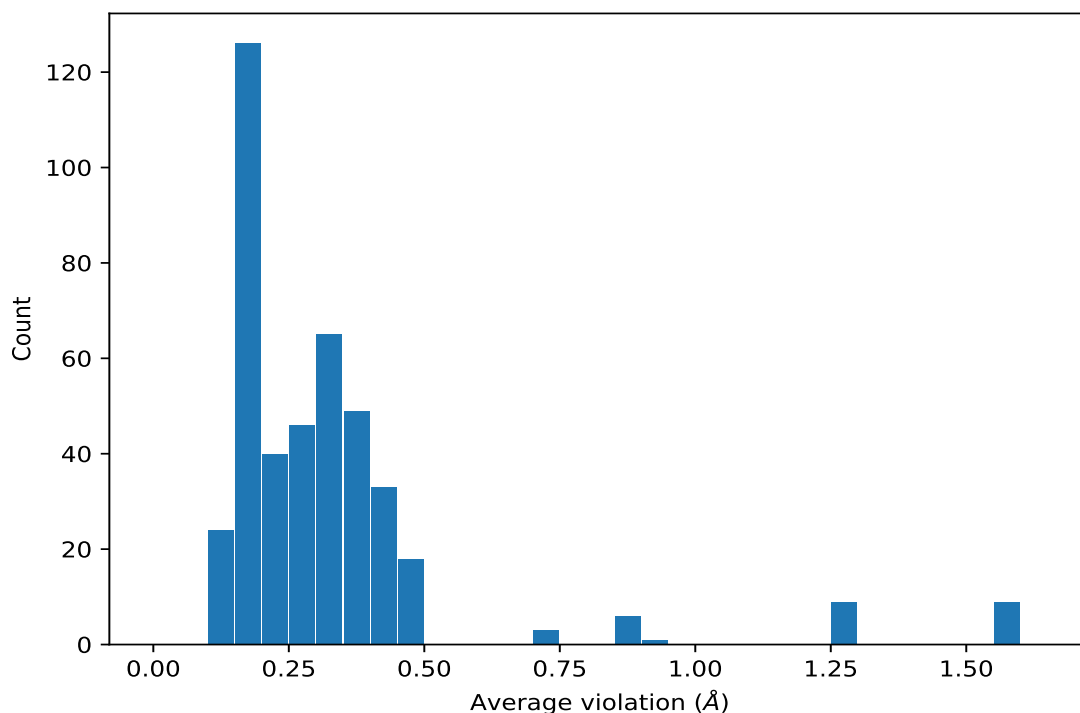
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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



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

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

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG21	10	1.56	0.01	1.56
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG22	10	1.56	0.01	1.56
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG23	10	1.56	0.01	1.56
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG21	10	1.56	0.01	1.56
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG22	10	1.56	0.01	1.56
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG23	10	1.56	0.01	1.56
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG21	10	1.56	0.01	1.56
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG22	10	1.56	0.01	1.56
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG23	10	1.56	0.01	1.56
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG21	10	1.25	0.01	1.26
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG22	10	1.25	0.01	1.26
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG23	10	1.25	0.01	1.26
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG21	10	1.25	0.01	1.26
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG22	10	1.25	0.01	1.26
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG23	10	1.25	0.01	1.26
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG21	10	1.25	0.01	1.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG22	10	1.25	0.01	1.26
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG23	10	1.25	0.01	1.26
(1,679)	2:A:100:GLY:H	2:A:97:SER:HB3	10	0.92	0.0	0.92
(1,1111)	2:A:8:LEU:HD11	2:A:10:PRO:HD2	10	0.88	0.0	0.88
(1,1111)	2:A:8:LEU:HD12	2:A:10:PRO:HD2	10	0.88	0.0	0.88
(1,1111)	2:A:8:LEU:HD13	2:A:10:PRO:HD2	10	0.88	0.0	0.88
(1,1694)	2:A:19:VAL:HG11	2:A:20:ARG:HA	10	0.85	0.0	0.85
(1,1694)	2:A:19:VAL:HG12	2:A:20:ARG:HA	10	0.85	0.0	0.85
(1,1694)	2:A:19:VAL:HG13	2:A:20:ARG:HA	10	0.85	0.0	0.85
(1,1052)	2:A:68:VAL:HG21	2:A:95:GLU:HA	10	0.72	0.01	0.73
(1,1052)	2:A:68:VAL:HG22	2:A:95:GLU:HA	10	0.72	0.01	0.73
(1,1052)	2:A:68:VAL:HG23	2:A:95:GLU:HA	10	0.72	0.01	0.73
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C2	10	0.47	0.04	0.48
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C4	10	0.47	0.04	0.48
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C5	10	0.47	0.04	0.48
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C6	10	0.47	0.04	0.48
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N1	10	0.47	0.04	0.48
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N3	10	0.47	0.04	0.48
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C2	10	0.45	0.01	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C4	10	0.45	0.01	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C5	10	0.45	0.01	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C6	10	0.45	0.01	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N1	10	0.45	0.01	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N3	10	0.45	0.01	0.46
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C2	10	0.45	0.02	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C4	10	0.45	0.02	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C5	10	0.45	0.02	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C6	10	0.45	0.02	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N1	10	0.45	0.02	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N3	10	0.45	0.02	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CD2	10	0.44	0.02	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE2	10	0.44	0.02	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE3	10	0.44	0.02	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CH2	10	0.44	0.02	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ2	10	0.44	0.02	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ3	10	0.44	0.02	0.44
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG11	10	0.42	0.12	0.37
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG12	10	0.42	0.12	0.37
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG13	10	0.42	0.12	0.37
(1,1613)	2:A:94:ALA:HB1	2:A:95:GLU:HG2	10	0.42	0.0	0.42
(1,1613)	2:A:94:ALA:HB2	2:A:95:GLU:HG2	10	0.42	0.0	0.42
(1,1613)	2:A:94:ALA:HB3	2:A:95:GLU:HG2	10	0.42	0.0	0.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CD2	10	0.42	0.03	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE2	10	0.42	0.03	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE3	10	0.42	0.03	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CH2	10	0.42	0.03	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ2	10	0.42	0.03	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ3	10	0.42	0.03	0.43
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C2	10	0.41	0.01	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C4	10	0.41	0.01	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C5	10	0.41	0.01	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C6	10	0.41	0.01	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N1	10	0.41	0.01	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N3	10	0.41	0.01	0.42
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG11	10	0.41	0.0	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG12	10	0.41	0.0	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG13	10	0.41	0.0	0.41
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CD2	10	0.4	0.02	0.4
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE2	10	0.4	0.02	0.4
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE3	10	0.4	0.02	0.4
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CH2	10	0.4	0.02	0.4
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ2	10	0.4	0.02	0.4
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ3	10	0.4	0.02	0.4
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG21	10	0.38	0.01	0.39
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG22	10	0.38	0.01	0.39
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG23	10	0.38	0.01	0.39
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C2	10	0.38	0.03	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C4	10	0.38	0.03	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C5	10	0.38	0.03	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C6	10	0.38	0.03	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N1	10	0.38	0.03	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N3	10	0.38	0.03	0.4
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CD2	10	0.38	0.02	0.38
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE2	10	0.38	0.02	0.38
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE3	10	0.38	0.02	0.38
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CH2	10	0.38	0.02	0.38
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ2	10	0.38	0.02	0.38
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ3	10	0.38	0.02	0.38
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C2	10	0.36	0.0	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C4	10	0.36	0.0	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C5	10	0.36	0.0	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C6	10	0.36	0.0	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N1	10	0.36	0.0	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N3	10	0.36	0.0	0.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD1	10	0.36	0.0	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD2	10	0.36	0.0	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE1	10	0.36	0.0	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE2	10	0.36	0.0	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CG	10	0.36	0.0	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CZ	10	0.36	0.0	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C2	10	0.36	0.01	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C4	10	0.36	0.01	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C5	10	0.36	0.01	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C6	10	0.36	0.01	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N1	10	0.36	0.01	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N3	10	0.36	0.01	0.36
(2,88)	2:A:72:GLU:H	2:A:73:ASN:HB3	10	0.35	0.0	0.35
(1,1150)	2:A:44:VAL:HG21	2:A:21:VAL:HA	10	0.35	0.01	0.36
(1,1150)	2:A:44:VAL:HG22	2:A:21:VAL:HA	10	0.35	0.01	0.36
(1,1150)	2:A:44:VAL:HG23	2:A:21:VAL:HA	10	0.35	0.01	0.36
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD1	10	0.35	0.01	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD2	10	0.35	0.01	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE1	10	0.35	0.01	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE2	10	0.35	0.01	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CG	10	0.35	0.01	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CZ	10	0.35	0.01	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CD2	10	0.35	0.01	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE2	10	0.35	0.01	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE3	10	0.35	0.01	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CH2	10	0.35	0.01	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ2	10	0.35	0.01	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ3	10	0.35	0.01	0.35
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CD2	10	0.34	0.01	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE2	10	0.34	0.01	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE3	10	0.34	0.01	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CH2	10	0.34	0.01	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ2	10	0.34	0.01	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ3	10	0.34	0.01	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C2	10	0.34	0.01	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C4	10	0.34	0.01	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C5	10	0.34	0.01	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C6	10	0.34	0.01	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N1	10	0.34	0.01	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N3	10	0.34	0.01	0.34
(1,658)	2:A:95:GLU:H	2:A:95:GLU:HB3	10	0.33	0.0	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C2	10	0.33	0.02	0.33

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C4	10	0.33	0.02	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C5	10	0.33	0.02	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C6	10	0.33	0.02	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N1	10	0.33	0.02	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N3	10	0.33	0.02	0.33
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C2	10	0.32	0.0	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C4	10	0.32	0.0	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C5	10	0.32	0.0	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C6	10	0.32	0.0	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N1	10	0.32	0.0	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N3	10	0.32	0.0	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CD2	10	0.32	0.01	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE2	10	0.32	0.01	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE3	10	0.32	0.01	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CH2	10	0.32	0.01	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ2	10	0.32	0.01	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ3	10	0.32	0.01	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD1	10	0.32	0.0	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD2	10	0.32	0.0	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE1	10	0.32	0.0	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE2	10	0.32	0.0	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CG	10	0.32	0.0	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CZ	10	0.32	0.0	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C2	10	0.32	0.0	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C4	10	0.32	0.0	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C5	10	0.32	0.0	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C6	10	0.32	0.0	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N1	10	0.32	0.0	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N3	10	0.32	0.0	0.32
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG11	10	0.31	0.01	0.31
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG12	10	0.31	0.01	0.31
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG13	10	0.31	0.01	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD1	10	0.31	0.01	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD2	10	0.31	0.01	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE1	10	0.31	0.01	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE2	10	0.31	0.01	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CG	10	0.31	0.01	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CZ	10	0.31	0.01	0.31
(1,834)	2:A:9:LYS:H	2:A:9:LYS:HB2	10	0.31	0.01	0.31
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD1	10	0.3	0.01	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD2	10	0.3	0.01	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE1	10	0.3	0.01	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE2	10	0.3	0.01	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CG	10	0.3	0.01	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CZ	10	0.3	0.01	0.3
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CD2	10	0.3	0.01	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE2	10	0.3	0.01	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE3	10	0.3	0.01	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CH2	10	0.3	0.01	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ2	10	0.3	0.01	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ3	10	0.3	0.01	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD1	10	0.29	0.0	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD2	10	0.29	0.0	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE1	10	0.29	0.0	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE2	10	0.29	0.0	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CG	10	0.29	0.0	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CZ	10	0.29	0.0	0.29
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CD2	10	0.29	0.02	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE2	10	0.29	0.02	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE3	10	0.29	0.02	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CH2	10	0.29	0.02	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ2	10	0.29	0.02	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ3	10	0.29	0.02	0.3
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C2	10	0.28	0.01	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C4	10	0.28	0.01	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C5	10	0.28	0.01	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C6	10	0.28	0.01	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N1	10	0.28	0.01	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N3	10	0.28	0.01	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C2	10	0.28	0.01	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C4	10	0.28	0.01	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C5	10	0.28	0.01	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C6	10	0.28	0.01	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N1	10	0.28	0.01	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N3	10	0.28	0.01	0.28
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C2	10	0.28	0.02	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C4	10	0.28	0.02	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C5	10	0.28	0.02	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C6	10	0.28	0.02	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N1	10	0.28	0.02	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N3	10	0.28	0.02	0.27
(1,1186)	2:A:19:VAL:HG11	2:A:45:GLY:H	10	0.27	0.01	0.27
(1,1186)	2:A:19:VAL:HG12	2:A:45:GLY:H	10	0.27	0.01	0.27
(1,1186)	2:A:19:VAL:HG13	2:A:45:GLY:H	10	0.27	0.01	0.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CD2	10	0.26	0.02	0.27
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE2	10	0.26	0.02	0.27
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE3	10	0.26	0.02	0.27
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CH2	10	0.26	0.02	0.27
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ2	10	0.26	0.02	0.27
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ3	10	0.26	0.02	0.27
(1,94)	2:A:12:MET:H	2:A:12:MET:HB3	10	0.25	0.0	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CD2	10	0.25	0.01	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE2	10	0.25	0.01	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE3	10	0.25	0.01	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CH2	10	0.25	0.01	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ2	10	0.25	0.01	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ3	10	0.25	0.01	0.24
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C2	10	0.24	0.01	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C4	10	0.24	0.01	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C5	10	0.24	0.01	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C6	10	0.24	0.01	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N1	10	0.24	0.01	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N3	10	0.24	0.01	0.25
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C2	10	0.24	0.01	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C4	10	0.24	0.01	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C5	10	0.24	0.01	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C6	10	0.24	0.01	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N1	10	0.24	0.01	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N3	10	0.24	0.01	0.24
(1,1610)	2:A:94:ALA:HA	2:A:95:GLU:HB3	10	0.24	0.0	0.24
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C2	10	0.23	0.02	0.24
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C4	10	0.23	0.02	0.24
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C5	10	0.23	0.02	0.24
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C6	10	0.23	0.02	0.24
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N1	10	0.23	0.02	0.24
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N3	10	0.23	0.02	0.24
(1,1124)	2:A:9:LYS:HA	2:A:9:LYS:HB3	10	0.22	0.0	0.22
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CD2	10	0.22	0.02	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE2	10	0.22	0.02	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE3	10	0.22	0.02	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CH2	10	0.22	0.02	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ2	10	0.22	0.02	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ3	10	0.22	0.02	0.21
(2,164)	2:A:44:VAL:HG11	2:A:54:THR:H	10	0.22	0.01	0.22
(2,164)	2:A:44:VAL:HG12	2:A:54:THR:H	10	0.22	0.01	0.22
(2,164)	2:A:44:VAL:HG13	2:A:54:THR:H	10	0.22	0.01	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1268)	2:A:37:ARG:HA	2:A:37:ARG:HB2	10	0.21	0.01	0.21
(1,677)	2:A:99:ASP:H	2:A:98:GLU:HB3	10	0.21	0.0	0.21
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C2	10	0.21	0.02	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C4	10	0.21	0.02	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C5	10	0.21	0.02	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C6	10	0.21	0.02	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N1	10	0.21	0.02	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N3	10	0.21	0.02	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG11	10	0.2	0.0	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG12	10	0.2	0.0	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG13	10	0.2	0.0	0.2
(1,275)	2:A:45:GLY:H	2:A:23:GLU:H	10	0.19	0.0	0.19
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N3	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O2	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O3'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O5'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N3	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O2	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O3'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O5'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP2	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N3	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O2	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O3'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O5'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP2	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N3	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O2	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O3'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4	10	0.19	0.04	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O5'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP2	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N3	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O2	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O3'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O5'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP2	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N3	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O2	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O3'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O5'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP2	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N3	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O2	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O3'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O5'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N3	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O2	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O3'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O5'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP2	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N3	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O2	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O3'	10	0.19	0.04	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O5'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP2	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N3	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O2	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O3'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O5'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP2	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N3	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O2	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O3'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O5'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP2	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N3	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O2	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O3'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O5'	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP1	10	0.19	0.04	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP2	10	0.19	0.04	0.18
(2,86)	2:A:68:VAL:H	2:A:95:GLU:HB2	10	0.19	0.0	0.19
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD11	10	0.18	0.0	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD12	10	0.18	0.0	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD13	10	0.18	0.0	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD11	10	0.18	0.0	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD12	10	0.18	0.0	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD13	10	0.18	0.0	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD11	10	0.18	0.0	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD12	10	0.18	0.0	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD13	10	0.18	0.0	0.18

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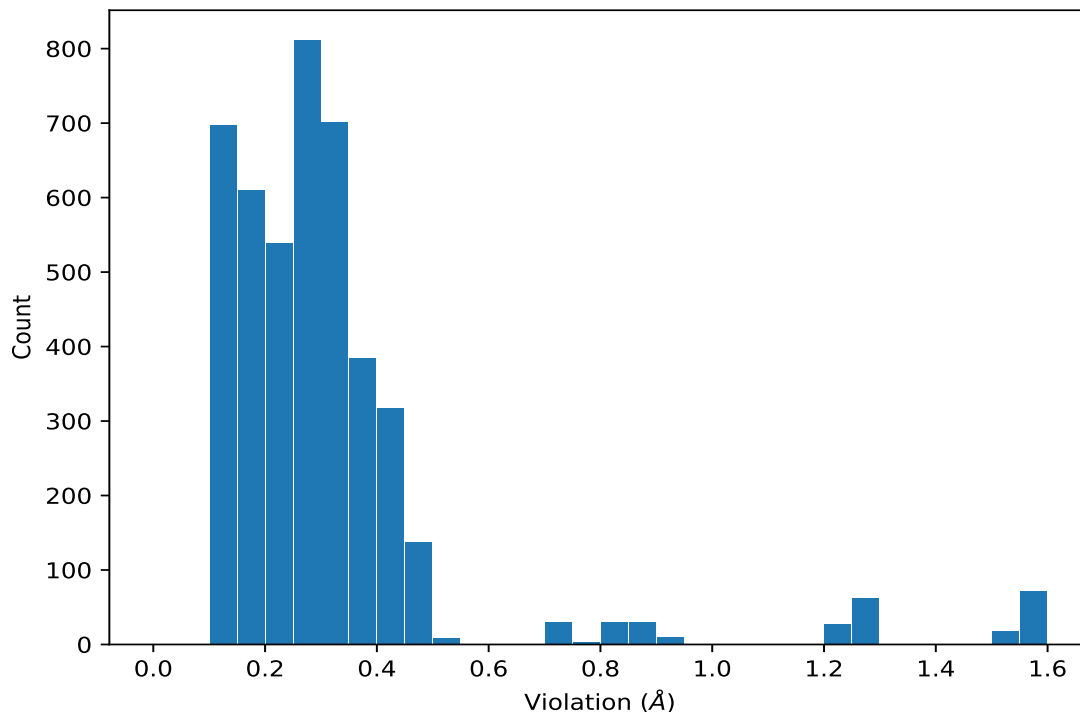
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,927)	2:A:101:PHE:HE1	2:A:20:ARG:HB3	10	0.18	0.01	0.18
(1,927)	2:A:101:PHE:HE2	2:A:20:ARG:HB3	10	0.18	0.01	0.18
(1,499)	2:A:73:ASN:H	2:A:72:GLU:HB2	10	0.18	0.0	0.18
(1,953)	2:A:107:ILE:HD11	2:A:106:GLN:HB3	10	0.16	0.0	0.16
(1,953)	2:A:107:ILE:HD12	2:A:106:GLN:HB3	10	0.16	0.0	0.16
(1,953)	2:A:107:ILE:HD13	2:A:106:GLN:HB3	10	0.16	0.0	0.16
(1,854)	2:A:96:ALA:H	2:A:95:GLU:HG2	10	0.15	0.0	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG11	10	0.15	0.0	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG12	10	0.15	0.0	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG13	10	0.15	0.0	0.15
(1,767)	2:A:11:ASN:H	2:A:10:PRO:HB3	10	0.15	0.0	0.15
(1,1687)	2:A:27:ALA:HB1	2:A:61:GLY:HA2	10	0.14	0.01	0.14
(1,1687)	2:A:27:ALA:HB2	2:A:61:GLY:HA2	10	0.14	0.01	0.14
(1,1687)	2:A:27:ALA:HB3	2:A:61:GLY:HA2	10	0.14	0.01	0.14
(1,19)	2:A:4:LYS:H	2:A:7:ASN:HD22	10	0.13	0.0	0.13
(1,881)	2:A:59:HIS:HD2	2:A:88:GLY:HA3	10	0.12	0.01	0.12
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG21	10	0.12	0.01	0.12
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG22	10	0.12	0.01	0.12
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG23	10	0.12	0.01	0.12
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG21	10	0.12	0.01	0.12
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG22	10	0.12	0.01	0.12
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG23	10	0.12	0.01	0.12
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG21	10	0.12	0.01	0.12
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG22	10	0.12	0.01	0.12
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG23	10	0.12	0.01	0.12
(1,111)	2:A:16:ASN:HD21	2:A:17:VAL:HB	10	0.12	0.0	0.12
(1,1155)	2:A:16:ASN:HA	2:A:16:ASN:HB3	10	0.12	0.0	0.12
(1,1391)	2:A:54:THR:HG21	2:A:54:THR:H	10	0.12	0.01	0.12
(1,1391)	2:A:54:THR:HG22	2:A:54:THR:H	10	0.12	0.01	0.12
(1,1391)	2:A:54:THR:HG23	2:A:54:THR:H	10	0.12	0.01	0.12
(1,1024)	2:A:44:VAL:HG11	2:A:44:VAL:H	8	0.13	0.01	0.13
(1,1024)	2:A:44:VAL:HG12	2:A:44:VAL:H	8	0.13	0.01	0.13
(1,1024)	2:A:44:VAL:HG13	2:A:44:VAL:H	8	0.13	0.01	0.13
(1,556)	2:A:79:PHE:H	2:A:79:PHE:HE1	8	0.12	0.01	0.12
(1,556)	2:A:79:PHE:H	2:A:79:PHE:HE2	8	0.12	0.01	0.12

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

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

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



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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG21	3	1.57
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG22	3	1.57
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG23	3	1.57
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG21	3	1.57
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG22	3	1.57
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG23	3	1.57
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG21	3	1.57
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG22	3	1.57
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG23	3	1.57
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG21	6	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG22	6	1.57
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG23	6	1.57
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG21	6	1.57
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG22	6	1.57
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG23	6	1.57
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG21	6	1.57
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG22	6	1.57
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG23	6	1.57
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG21	8	1.57
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG22	8	1.57
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG23	8	1.57
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG21	8	1.57
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG22	8	1.57
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG23	8	1.57
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG21	8	1.57
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG22	8	1.57
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG23	8	1.57
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG21	1	1.56
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG22	1	1.56
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG23	1	1.56
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG21	1	1.56
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG22	1	1.56
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG23	1	1.56
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG21	1	1.56
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG22	1	1.56
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG23	1	1.56
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG21	2	1.56
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG22	2	1.56
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG23	2	1.56
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG21	2	1.56
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG22	2	1.56
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG23	2	1.56
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG21	2	1.56
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG22	2	1.56
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG23	2	1.56
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG21	5	1.56
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG22	5	1.56
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG23	5	1.56
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG21	5	1.56
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG22	5	1.56
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG23	5	1.56
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG21	5	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG22	5	1.56
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG23	5	1.56
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG21	7	1.56
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG22	7	1.56
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG23	7	1.56
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG21	7	1.56
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG22	7	1.56
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG23	7	1.56
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG21	7	1.56
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG22	7	1.56
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG23	7	1.56
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG21	9	1.55
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG22	9	1.55
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG23	9	1.55
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG21	9	1.55
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG22	9	1.55
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG23	9	1.55
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG21	9	1.55
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG22	9	1.55
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG23	9	1.55
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG21	4	1.54
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG22	4	1.54
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG23	4	1.54
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG21	4	1.54
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG22	4	1.54
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG23	4	1.54
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG21	4	1.54
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG22	4	1.54
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG23	4	1.54
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG21	10	1.54
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG22	10	1.54
(1,1197)	2:A:18:THR:HG21	2:A:68:VAL:HG23	10	1.54
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG21	10	1.54
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG22	10	1.54
(1,1197)	2:A:18:THR:HG22	2:A:68:VAL:HG23	10	1.54
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG21	10	1.54
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG22	10	1.54
(1,1197)	2:A:18:THR:HG23	2:A:68:VAL:HG23	10	1.54
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG21	3	1.27
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG22	3	1.27
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG23	3	1.27
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG21	3	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG22	3	1.27
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG23	3	1.27
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG21	3	1.27
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG22	3	1.27
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG23	3	1.27
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG21	1	1.26
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG22	1	1.26
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG23	1	1.26
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG21	1	1.26
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG22	1	1.26
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG23	1	1.26
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG21	1	1.26
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG22	1	1.26
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG23	1	1.26
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG21	4	1.26
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG22	4	1.26
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG23	4	1.26
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG21	4	1.26
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG22	4	1.26
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG23	4	1.26
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG21	4	1.26
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG22	4	1.26
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG23	4	1.26
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG21	6	1.26
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG22	6	1.26
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG23	6	1.26
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG21	6	1.26
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG22	6	1.26
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG23	6	1.26
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG21	6	1.26
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG22	6	1.26
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG23	6	1.26
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG21	7	1.26
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG22	7	1.26
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG23	7	1.26
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG21	7	1.26
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG22	7	1.26
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG23	7	1.26
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG21	7	1.26
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG22	7	1.26
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG23	7	1.26
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG21	9	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG22	9	1.26
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG23	9	1.26
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG21	9	1.26
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG22	9	1.26
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG23	9	1.26
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG21	9	1.26
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG22	9	1.26
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG23	9	1.26
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG21	2	1.25
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG22	2	1.25
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG23	2	1.25
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG21	2	1.25
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG22	2	1.25
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG23	2	1.25
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG21	2	1.25
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG22	2	1.25
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG23	2	1.25
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG21	5	1.24
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG22	5	1.24
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG23	5	1.24
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG21	5	1.24
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG22	5	1.24
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG23	5	1.24
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG21	5	1.24
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG22	5	1.24
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG23	5	1.24
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG21	10	1.24
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG22	10	1.24
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG23	10	1.24
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG21	10	1.24
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG22	10	1.24
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG23	10	1.24
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG21	10	1.24
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG22	10	1.24
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG23	10	1.24
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG21	8	1.23
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG22	8	1.23
(1,1618)	2:A:96:ALA:HB1	2:A:68:VAL:HG23	8	1.23
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG21	8	1.23
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG22	8	1.23
(1,1618)	2:A:96:ALA:HB2	2:A:68:VAL:HG23	8	1.23
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG21	8	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG22	8	1.23
(1,1618)	2:A:96:ALA:HB3	2:A:68:VAL:HG23	8	1.23
(1,679)	2:A:100:GLY:H	2:A:97:SER:HB3	1	0.92
(1,679)	2:A:100:GLY:H	2:A:97:SER:HB3	2	0.92
(1,679)	2:A:100:GLY:H	2:A:97:SER:HB3	3	0.92
(1,679)	2:A:100:GLY:H	2:A:97:SER:HB3	4	0.92
(1,679)	2:A:100:GLY:H	2:A:97:SER:HB3	5	0.92
(1,679)	2:A:100:GLY:H	2:A:97:SER:HB3	6	0.92
(1,679)	2:A:100:GLY:H	2:A:97:SER:HB3	7	0.92
(1,679)	2:A:100:GLY:H	2:A:97:SER:HB3	8	0.92
(1,679)	2:A:100:GLY:H	2:A:97:SER:HB3	9	0.92
(1,679)	2:A:100:GLY:H	2:A:97:SER:HB3	10	0.92
(1,1111)	2:A:8:LEU:HD11	2:A:10:PRO:HD2	2	0.88
(1,1111)	2:A:8:LEU:HD12	2:A:10:PRO:HD2	2	0.88
(1,1111)	2:A:8:LEU:HD13	2:A:10:PRO:HD2	2	0.88
(1,1111)	2:A:8:LEU:HD11	2:A:10:PRO:HD2	4	0.88
(1,1111)	2:A:8:LEU:HD12	2:A:10:PRO:HD2	4	0.88
(1,1111)	2:A:8:LEU:HD13	2:A:10:PRO:HD2	4	0.88
(1,1111)	2:A:8:LEU:HD11	2:A:10:PRO:HD2	5	0.88
(1,1111)	2:A:8:LEU:HD12	2:A:10:PRO:HD2	5	0.88
(1,1111)	2:A:8:LEU:HD13	2:A:10:PRO:HD2	5	0.88
(1,1111)	2:A:8:LEU:HD11	2:A:10:PRO:HD2	6	0.88
(1,1111)	2:A:8:LEU:HD12	2:A:10:PRO:HD2	6	0.88
(1,1111)	2:A:8:LEU:HD13	2:A:10:PRO:HD2	6	0.88
(1,1111)	2:A:8:LEU:HD11	2:A:10:PRO:HD2	7	0.88
(1,1111)	2:A:8:LEU:HD12	2:A:10:PRO:HD2	7	0.88
(1,1111)	2:A:8:LEU:HD13	2:A:10:PRO:HD2	7	0.88
(1,1111)	2:A:8:LEU:HD11	2:A:10:PRO:HD2	9	0.88
(1,1111)	2:A:8:LEU:HD12	2:A:10:PRO:HD2	9	0.88
(1,1111)	2:A:8:LEU:HD13	2:A:10:PRO:HD2	9	0.88
(1,1111)	2:A:8:LEU:HD11	2:A:10:PRO:HD2	1	0.87
(1,1111)	2:A:8:LEU:HD12	2:A:10:PRO:HD2	1	0.87
(1,1111)	2:A:8:LEU:HD13	2:A:10:PRO:HD2	1	0.87
(1,1111)	2:A:8:LEU:HD11	2:A:10:PRO:HD2	3	0.87
(1,1111)	2:A:8:LEU:HD12	2:A:10:PRO:HD2	3	0.87
(1,1111)	2:A:8:LEU:HD13	2:A:10:PRO:HD2	3	0.87
(1,1111)	2:A:8:LEU:HD11	2:A:10:PRO:HD2	8	0.87
(1,1111)	2:A:8:LEU:HD12	2:A:10:PRO:HD2	8	0.87
(1,1111)	2:A:8:LEU:HD13	2:A:10:PRO:HD2	8	0.87
(1,1111)	2:A:8:LEU:HD11	2:A:10:PRO:HD2	10	0.87
(1,1111)	2:A:8:LEU:HD12	2:A:10:PRO:HD2	10	0.87
(1,1111)	2:A:8:LEU:HD13	2:A:10:PRO:HD2	10	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1694)	2:A:19:VAL:HG11	2:A:20:ARG:HA	1	0.85
(1,1694)	2:A:19:VAL:HG12	2:A:20:ARG:HA	1	0.85
(1,1694)	2:A:19:VAL:HG13	2:A:20:ARG:HA	1	0.85
(1,1694)	2:A:19:VAL:HG11	2:A:20:ARG:HA	2	0.85
(1,1694)	2:A:19:VAL:HG12	2:A:20:ARG:HA	2	0.85
(1,1694)	2:A:19:VAL:HG13	2:A:20:ARG:HA	2	0.85
(1,1694)	2:A:19:VAL:HG11	2:A:20:ARG:HA	3	0.85
(1,1694)	2:A:19:VAL:HG12	2:A:20:ARG:HA	3	0.85
(1,1694)	2:A:19:VAL:HG13	2:A:20:ARG:HA	3	0.85
(1,1694)	2:A:19:VAL:HG11	2:A:20:ARG:HA	4	0.85
(1,1694)	2:A:19:VAL:HG12	2:A:20:ARG:HA	4	0.85
(1,1694)	2:A:19:VAL:HG13	2:A:20:ARG:HA	4	0.85
(1,1694)	2:A:19:VAL:HG11	2:A:20:ARG:HA	5	0.85
(1,1694)	2:A:19:VAL:HG12	2:A:20:ARG:HA	5	0.85
(1,1694)	2:A:19:VAL:HG13	2:A:20:ARG:HA	5	0.85
(1,1694)	2:A:19:VAL:HG11	2:A:20:ARG:HA	6	0.85
(1,1694)	2:A:19:VAL:HG12	2:A:20:ARG:HA	6	0.85
(1,1694)	2:A:19:VAL:HG13	2:A:20:ARG:HA	6	0.85
(1,1694)	2:A:19:VAL:HG11	2:A:20:ARG:HA	7	0.85
(1,1694)	2:A:19:VAL:HG12	2:A:20:ARG:HA	7	0.85
(1,1694)	2:A:19:VAL:HG13	2:A:20:ARG:HA	7	0.85
(1,1694)	2:A:19:VAL:HG11	2:A:20:ARG:HA	8	0.85
(1,1694)	2:A:19:VAL:HG12	2:A:20:ARG:HA	8	0.85
(1,1694)	2:A:19:VAL:HG13	2:A:20:ARG:HA	8	0.85
(1,1694)	2:A:19:VAL:HG11	2:A:20:ARG:HA	9	0.85
(1,1694)	2:A:19:VAL:HG12	2:A:20:ARG:HA	9	0.85
(1,1694)	2:A:19:VAL:HG13	2:A:20:ARG:HA	9	0.85
(1,1694)	2:A:19:VAL:HG11	2:A:20:ARG:HA	10	0.85
(1,1694)	2:A:19:VAL:HG12	2:A:20:ARG:HA	10	0.85
(1,1694)	2:A:19:VAL:HG13	2:A:20:ARG:HA	10	0.85
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG11	10	0.77
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG12	10	0.77
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG13	10	0.77
(1,1052)	2:A:68:VAL:HG21	2:A:95:GLU:HA	1	0.74
(1,1052)	2:A:68:VAL:HG22	2:A:95:GLU:HA	1	0.74
(1,1052)	2:A:68:VAL:HG23	2:A:95:GLU:HA	1	0.74
(1,1052)	2:A:68:VAL:HG21	2:A:95:GLU:HA	2	0.73
(1,1052)	2:A:68:VAL:HG22	2:A:95:GLU:HA	2	0.73
(1,1052)	2:A:68:VAL:HG23	2:A:95:GLU:HA	2	0.73
(1,1052)	2:A:68:VAL:HG21	2:A:95:GLU:HA	6	0.73
(1,1052)	2:A:68:VAL:HG22	2:A:95:GLU:HA	6	0.73
(1,1052)	2:A:68:VAL:HG23	2:A:95:GLU:HA	6	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1052)	2:A:68:VAL:HG21	2:A:95:GLU:HA	7	0.73
(1,1052)	2:A:68:VAL:HG22	2:A:95:GLU:HA	7	0.73
(1,1052)	2:A:68:VAL:HG23	2:A:95:GLU:HA	7	0.73
(1,1052)	2:A:68:VAL:HG21	2:A:95:GLU:HA	9	0.73
(1,1052)	2:A:68:VAL:HG22	2:A:95:GLU:HA	9	0.73
(1,1052)	2:A:68:VAL:HG23	2:A:95:GLU:HA	9	0.73
(1,1052)	2:A:68:VAL:HG21	2:A:95:GLU:HA	10	0.73
(1,1052)	2:A:68:VAL:HG22	2:A:95:GLU:HA	10	0.73
(1,1052)	2:A:68:VAL:HG23	2:A:95:GLU:HA	10	0.73
(1,1052)	2:A:68:VAL:HG21	2:A:95:GLU:HA	3	0.72
(1,1052)	2:A:68:VAL:HG22	2:A:95:GLU:HA	3	0.72
(1,1052)	2:A:68:VAL:HG23	2:A:95:GLU:HA	3	0.72
(1,1052)	2:A:68:VAL:HG21	2:A:95:GLU:HA	4	0.71
(1,1052)	2:A:68:VAL:HG22	2:A:95:GLU:HA	4	0.71
(1,1052)	2:A:68:VAL:HG23	2:A:95:GLU:HA	4	0.71
(1,1052)	2:A:68:VAL:HG21	2:A:95:GLU:HA	5	0.71
(1,1052)	2:A:68:VAL:HG22	2:A:95:GLU:HA	5	0.71
(1,1052)	2:A:68:VAL:HG23	2:A:95:GLU:HA	5	0.71
(1,1052)	2:A:68:VAL:HG21	2:A:95:GLU:HA	8	0.71
(1,1052)	2:A:68:VAL:HG22	2:A:95:GLU:HA	8	0.71
(1,1052)	2:A:68:VAL:HG23	2:A:95:GLU:HA	8	0.71
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG11	2	0.52
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG12	2	0.52
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG13	2	0.52
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C2	5	0.51
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C4	5	0.51
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C5	5	0.51
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C6	5	0.51
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N1	5	0.51
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N3	5	0.51
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C2	2	0.49
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C4	2	0.49
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C5	2	0.49
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C6	2	0.49
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N1	2	0.49
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N3	2	0.49
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C2	4	0.49
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C4	4	0.49
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C5	4	0.49
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C6	4	0.49
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N1	4	0.49
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N3	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C2	7	0.49
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C4	7	0.49
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C5	7	0.49
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C6	7	0.49
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N1	7	0.49
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N3	7	0.49
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C2	7	0.49
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C4	7	0.49
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C5	7	0.49
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C6	7	0.49
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N1	7	0.49
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N3	7	0.49
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C2	6	0.48
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C4	6	0.48
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C5	6	0.48
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C6	6	0.48
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N1	6	0.48
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N3	6	0.48
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C2	8	0.48
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C4	8	0.48
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C5	8	0.48
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C6	8	0.48
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N1	8	0.48
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N3	8	0.48
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C2	10	0.47
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C4	10	0.47
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C5	10	0.47
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C6	10	0.47
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N1	10	0.47
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N3	10	0.47
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C2	7	0.47
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C4	7	0.47
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C5	7	0.47
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C6	7	0.47
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N1	7	0.47
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N3	7	0.47
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C2	1	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C4	1	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C5	1	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C6	1	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N1	1	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N3	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C2	2	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C4	2	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C5	2	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C6	2	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N1	2	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N3	2	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C2	3	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C4	3	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C5	3	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C6	3	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N1	3	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N3	3	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C2	8	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C4	8	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C5	8	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C6	8	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N1	8	0.46
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N3	8	0.46
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C2	3	0.46
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C4	3	0.46
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C5	3	0.46
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C6	3	0.46
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N1	3	0.46
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N3	3	0.46
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C2	3	0.45
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C4	3	0.45
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C5	3	0.45
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C6	3	0.45
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N1	3	0.45
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N3	3	0.45
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C2	9	0.45
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C4	9	0.45
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C5	9	0.45
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C6	9	0.45
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N1	9	0.45
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N3	9	0.45
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C2	4	0.45
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C4	4	0.45
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C5	4	0.45
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C6	4	0.45
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N1	4	0.45
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N3	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C2	5	0.45
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C4	5	0.45
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C5	5	0.45
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C6	5	0.45
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N1	5	0.45
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N3	5	0.45
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C2	2	0.45
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C4	2	0.45
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C5	2	0.45
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C6	2	0.45
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N1	2	0.45
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N3	2	0.45
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C2	5	0.45
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C4	5	0.45
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C5	5	0.45
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C6	5	0.45
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N1	5	0.45
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N3	5	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CD2	2	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE2	2	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE3	2	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CH2	2	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ2	2	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ3	2	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CD2	3	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE2	3	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE3	3	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CH2	3	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ2	3	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ3	3	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CD2	5	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE2	5	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE3	5	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CH2	5	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ2	5	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ3	5	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CD2	7	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE2	7	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE3	7	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CH2	7	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ2	7	0.45
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ3	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C2	6	0.44
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C4	6	0.44
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C5	6	0.44
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C6	6	0.44
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N1	6	0.44
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N3	6	0.44
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C2	10	0.44
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C4	10	0.44
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C5	10	0.44
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C6	10	0.44
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N1	10	0.44
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N3	10	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C2	8	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C4	8	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C5	8	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C6	8	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N1	8	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N3	8	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C2	9	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C4	9	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C5	9	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C6	9	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N1	9	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N3	9	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C2	10	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C4	10	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C5	10	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C6	10	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N1	10	0.44
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N3	10	0.44
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CD2	2	0.44
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE2	2	0.44
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE3	2	0.44
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CH2	2	0.44
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ2	2	0.44
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ3	2	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CD2	4	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE2	4	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE3	4	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CH2	4	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ2	4	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ3	4	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CD2	6	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE2	6	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE3	6	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CH2	6	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ2	6	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ3	6	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CD2	8	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE2	8	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE3	8	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CH2	8	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ2	8	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ3	8	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CD2	9	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE2	9	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE3	9	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CH2	9	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ2	9	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ3	9	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CD2	10	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE2	10	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE3	10	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CH2	10	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ2	10	0.44
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ3	10	0.44
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C2	3	0.43
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C4	3	0.43
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C5	3	0.43
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C6	3	0.43
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N1	3	0.43
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N3	3	0.43
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C2	9	0.43
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C4	9	0.43
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C5	9	0.43
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:C6	9	0.43
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N1	9	0.43
(1,1765)	2:A:75:TRP:CZ2	1:B:2:DT:N3	9	0.43
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C2	1	0.43
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C4	1	0.43
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C5	1	0.43
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C6	1	0.43
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N1	1	0.43
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N3	1	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C2	6	0.43
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C4	6	0.43
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C5	6	0.43
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C6	6	0.43
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N1	6	0.43
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N3	6	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CD2	4	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE2	4	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE3	4	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CH2	4	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ2	4	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ3	4	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CD2	5	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE2	5	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE3	5	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CH2	5	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ2	5	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ3	5	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CD2	6	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE2	6	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE3	6	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CH2	6	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ2	6	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ3	6	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CD2	7	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE2	7	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE3	7	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CH2	7	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ2	7	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ3	7	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CD2	8	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE2	8	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE3	8	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CH2	8	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ2	8	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ3	8	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CD2	10	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE2	10	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE3	10	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CH2	10	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ2	10	0.43
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ3	10	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CD2	2	0.43
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE2	2	0.43
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE3	2	0.43
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CH2	2	0.43
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ2	2	0.43
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ3	2	0.43
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CD2	5	0.43
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE2	5	0.43
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE3	5	0.43
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CH2	5	0.43
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ2	5	0.43
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ3	5	0.43
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CD2	7	0.43
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE2	7	0.43
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE3	7	0.43
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CH2	7	0.43
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ2	7	0.43
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ3	7	0.43
(1,1613)	2:A:94:ALA:HB1	2:A:95:GLU:HG2	2	0.43
(1,1613)	2:A:94:ALA:HB2	2:A:95:GLU:HG2	2	0.43
(1,1613)	2:A:94:ALA:HB3	2:A:95:GLU:HG2	2	0.43
(1,1613)	2:A:94:ALA:HB1	2:A:95:GLU:HG2	5	0.43
(1,1613)	2:A:94:ALA:HB2	2:A:95:GLU:HG2	5	0.43
(1,1613)	2:A:94:ALA:HB3	2:A:95:GLU:HG2	5	0.43
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C2	5	0.42
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C4	5	0.42
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C5	5	0.42
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C6	5	0.42
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N1	5	0.42
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N3	5	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C2	5	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C4	5	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C5	5	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C6	5	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N1	5	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N3	5	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C2	6	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C4	6	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C5	6	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C6	6	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N1	6	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N3	6	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C2	7	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C4	7	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C5	7	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C6	7	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N1	7	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N3	7	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C2	9	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C4	9	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C5	9	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C6	9	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N1	9	0.42
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N3	9	0.42
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C2	4	0.42
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C4	4	0.42
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C5	4	0.42
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:C6	4	0.42
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N1	4	0.42
(1,1763)	2:A:75:TRP:CE2	1:B:2:DT:N3	4	0.42
(1,1613)	2:A:94:ALA:HB1	2:A:95:GLU:HG2	1	0.42
(1,1613)	2:A:94:ALA:HB2	2:A:95:GLU:HG2	1	0.42
(1,1613)	2:A:94:ALA:HB3	2:A:95:GLU:HG2	1	0.42
(1,1613)	2:A:94:ALA:HB1	2:A:95:GLU:HG2	3	0.42
(1,1613)	2:A:94:ALA:HB2	2:A:95:GLU:HG2	3	0.42
(1,1613)	2:A:94:ALA:HB3	2:A:95:GLU:HG2	3	0.42
(1,1613)	2:A:94:ALA:HB1	2:A:95:GLU:HG2	4	0.42
(1,1613)	2:A:94:ALA:HB2	2:A:95:GLU:HG2	4	0.42
(1,1613)	2:A:94:ALA:HB3	2:A:95:GLU:HG2	4	0.42
(1,1613)	2:A:94:ALA:HB1	2:A:95:GLU:HG2	6	0.42
(1,1613)	2:A:94:ALA:HB2	2:A:95:GLU:HG2	6	0.42
(1,1613)	2:A:94:ALA:HB3	2:A:95:GLU:HG2	6	0.42
(1,1613)	2:A:94:ALA:HB1	2:A:95:GLU:HG2	7	0.42
(1,1613)	2:A:94:ALA:HB2	2:A:95:GLU:HG2	7	0.42
(1,1613)	2:A:94:ALA:HB3	2:A:95:GLU:HG2	7	0.42
(1,1613)	2:A:94:ALA:HB1	2:A:95:GLU:HG2	8	0.42
(1,1613)	2:A:94:ALA:HB2	2:A:95:GLU:HG2	8	0.42
(1,1613)	2:A:94:ALA:HB3	2:A:95:GLU:HG2	8	0.42
(1,1613)	2:A:94:ALA:HB1	2:A:95:GLU:HG2	9	0.42
(1,1613)	2:A:94:ALA:HB2	2:A:95:GLU:HG2	9	0.42
(1,1613)	2:A:94:ALA:HB3	2:A:95:GLU:HG2	9	0.42
(1,1613)	2:A:94:ALA:HB1	2:A:95:GLU:HG2	10	0.42
(1,1613)	2:A:94:ALA:HB2	2:A:95:GLU:HG2	10	0.42
(1,1613)	2:A:94:ALA:HB3	2:A:95:GLU:HG2	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG11	1	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG12	1	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG13	1	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG11	2	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG12	2	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG13	2	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG11	3	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG12	3	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG13	3	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG11	5	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG12	5	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG13	5	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG11	6	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG12	6	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG13	6	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG11	7	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG12	7	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG13	7	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG11	8	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG12	8	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG13	8	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG11	9	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG12	9	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG13	9	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG11	10	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG12	10	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG13	10	0.41
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C2	2	0.41
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C4	2	0.41
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C5	2	0.41
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C6	2	0.41
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N1	2	0.41
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N3	2	0.41
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C2	2	0.41
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C4	2	0.41
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C5	2	0.41
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C6	2	0.41
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N1	2	0.41
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N3	2	0.41
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C2	4	0.41
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C4	4	0.41
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C5	4	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C6	4	0.41
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N1	4	0.41
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N3	4	0.41
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C2	8	0.41
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C4	8	0.41
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C5	8	0.41
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C6	8	0.41
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N1	8	0.41
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N3	8	0.41
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CD2	3	0.41
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE2	3	0.41
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE3	3	0.41
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CH2	3	0.41
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ2	3	0.41
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ3	3	0.41
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CD2	7	0.41
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE2	7	0.41
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE3	7	0.41
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CH2	7	0.41
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ2	7	0.41
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ3	7	0.41
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG11	4	0.4
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG12	4	0.4
(1,692)	2:A:68:VAL:H	2:A:68:VAL:HG13	4	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C2	4	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C4	4	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C5	4	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C6	4	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N1	4	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N3	4	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C2	8	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C4	8	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C5	8	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C6	8	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N1	8	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N3	8	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C2	10	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C4	10	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C5	10	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C6	10	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N1	10	0.4
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N3	10	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C2	10	0.4
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C4	10	0.4
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C5	10	0.4
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C6	10	0.4
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N1	10	0.4
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N3	10	0.4
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CD2	3	0.4
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE2	3	0.4
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE3	3	0.4
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CH2	3	0.4
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ2	3	0.4
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ3	3	0.4
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CD2	9	0.4
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE2	9	0.4
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE3	9	0.4
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CH2	9	0.4
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ2	9	0.4
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ3	9	0.4
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CD2	9	0.4
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE2	9	0.4
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE3	9	0.4
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CH2	9	0.4
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ2	9	0.4
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ3	9	0.4
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG21	1	0.39
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG22	1	0.39
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG23	1	0.39
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG21	3	0.39
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG22	3	0.39
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG23	3	0.39
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG21	5	0.39
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG22	5	0.39
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG23	5	0.39
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG21	6	0.39
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG22	6	0.39
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG23	6	0.39
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG21	7	0.39
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG22	7	0.39
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG23	7	0.39
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG21	8	0.39
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG22	8	0.39
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG23	8	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C2	6	0.39
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C4	6	0.39
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C5	6	0.39
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C6	6	0.39
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N1	6	0.39
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N3	6	0.39
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C2	7	0.39
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C4	7	0.39
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C5	7	0.39
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C6	7	0.39
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N1	7	0.39
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N3	7	0.39
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C2	1	0.39
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C4	1	0.39
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C5	1	0.39
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:C6	1	0.39
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N1	1	0.39
(1,1768)	2:A:56:TRP:CD2	1:B:3:DT:N3	1	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CD2	1	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE2	1	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE3	1	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CH2	1	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ2	1	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ3	1	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CD2	4	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE2	4	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE3	4	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CH2	4	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ2	4	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ3	4	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CD2	6	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE2	6	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE3	6	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CH2	6	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ2	6	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ3	6	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CD2	8	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE2	8	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE3	8	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CH2	8	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ2	8	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ3	8	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CD2	10	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE2	10	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CE3	10	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CH2	10	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ2	10	0.39
(1,1747)	1:B:2:DT:C4	2:A:75:TRP:CZ3	10	0.39
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CD2	2	0.39
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE2	2	0.39
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE3	2	0.39
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CH2	2	0.39
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ2	2	0.39
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ3	2	0.39
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CD2	3	0.39
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE2	3	0.39
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE3	3	0.39
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CH2	3	0.39
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ2	3	0.39
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ3	3	0.39
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CD2	5	0.39
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE2	5	0.39
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE3	5	0.39
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CH2	5	0.39
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ2	5	0.39
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ3	5	0.39
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG21	2	0.38
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG22	2	0.38
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG23	2	0.38
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG21	9	0.38
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG22	9	0.38
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG23	9	0.38
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CD2	9	0.38
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE2	9	0.38
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE3	9	0.38
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CH2	9	0.38
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ2	9	0.38
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ3	9	0.38
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG11	1	0.38
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG12	1	0.38
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG13	1	0.38
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG21	4	0.37
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG22	4	0.37
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG23	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG21	10	0.37
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG22	10	0.37
(2,22)	2:A:19:VAL:H	2:A:68:VAL:HG23	10	0.37
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C2	5	0.37
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C4	5	0.37
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C5	5	0.37
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C6	5	0.37
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N1	5	0.37
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N3	5	0.37
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C2	6	0.37
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C4	6	0.37
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C5	6	0.37
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C6	6	0.37
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N1	6	0.37
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N3	6	0.37
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C2	8	0.37
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C4	8	0.37
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C5	8	0.37
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C6	8	0.37
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N1	8	0.37
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N3	8	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C2	1	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C4	1	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C5	1	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C6	1	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N1	1	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N3	1	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C2	5	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C4	5	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C5	5	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C6	5	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N1	5	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N3	5	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C2	6	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C4	6	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C5	6	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C6	6	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N1	6	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N3	6	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C2	8	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C4	8	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C5	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C6	8	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N1	8	0.37
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N3	8	0.37
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD1	3	0.37
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD2	3	0.37
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE1	3	0.37
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE2	3	0.37
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CG	3	0.37
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CZ	3	0.37
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD1	9	0.37
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD2	9	0.37
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE1	9	0.37
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE2	9	0.37
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CG	9	0.37
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CZ	9	0.37
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD1	10	0.37
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD2	10	0.37
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE1	10	0.37
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE2	10	0.37
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CG	10	0.37
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CZ	10	0.37
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CD2	1	0.37
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE2	1	0.37
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CE3	1	0.37
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CH2	1	0.37
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ2	1	0.37
(1,1751)	1:B:3:DT:C2	2:A:56:TRP:CZ3	1	0.37
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CD2	8	0.37
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE2	8	0.37
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE3	8	0.37
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CH2	8	0.37
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ2	8	0.37
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ3	8	0.37
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CD2	10	0.37
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE2	10	0.37
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE3	10	0.37
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CH2	10	0.37
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ2	10	0.37
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ3	10	0.37
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG11	3	0.37
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG12	3	0.37
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG13	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG11	5	0.37
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG12	5	0.37
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG13	5	0.37
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG11	7	0.37
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG12	7	0.37
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG13	7	0.37
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG11	8	0.37
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG12	8	0.37
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG13	8	0.37
(2,88)	2:A:72:GLU:H	2:A:73:ASN:HB3	1	0.36
(2,88)	2:A:72:GLU:H	2:A:73:ASN:HB3	2	0.36
(2,88)	2:A:72:GLU:H	2:A:73:ASN:HB3	5	0.36
(2,88)	2:A:72:GLU:H	2:A:73:ASN:HB3	7	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C2	1	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C4	1	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C5	1	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C6	1	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N1	1	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N3	1	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C2	2	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C4	2	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C5	2	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C6	2	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N1	2	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N3	2	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C2	3	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C4	3	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C5	3	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C6	3	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N1	3	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N3	3	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C2	9	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C4	9	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C5	9	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C6	9	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N1	9	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N3	9	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C2	10	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C4	10	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C5	10	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C6	10	0.36
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N1	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N3	10	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C2	2	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C4	2	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C5	2	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C6	2	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N1	2	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N3	2	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C2	3	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C4	3	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C5	3	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C6	3	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N1	3	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N3	3	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C2	4	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C4	4	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C5	4	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C6	4	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N1	4	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N3	4	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C2	7	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C4	7	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C5	7	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C6	7	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N1	7	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N3	7	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C2	9	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C4	9	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C5	9	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C6	9	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N1	9	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N3	9	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C2	10	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C4	10	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C5	10	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:C6	10	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N1	10	0.36
(1,1774)	2:A:79:PHE:CG	1:B:5:DT:N3	10	0.36
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C2	1	0.36
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C4	1	0.36
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C5	1	0.36
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:C6	1	0.36
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N1	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1769)	2:A:56:TRP:CE2	1:B:3:DT:N3	1	0.36
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C2	7	0.36
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C4	7	0.36
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C5	7	0.36
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C6	7	0.36
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N1	7	0.36
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N3	7	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD1	1	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD2	1	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE1	1	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE2	1	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CG	1	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CZ	1	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD1	2	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD2	2	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE1	2	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE2	2	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CG	2	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CZ	2	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD1	4	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD2	4	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE1	4	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE2	4	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CG	4	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CZ	4	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD1	5	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD2	5	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE1	5	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE2	5	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CG	5	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CZ	5	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD1	6	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD2	6	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE1	6	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE2	6	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CG	6	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CZ	6	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD1	7	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD2	7	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE1	7	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE2	7	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CG	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CZ	7	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD1	8	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CD2	8	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE1	8	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CE2	8	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CG	8	0.36
(1,1757)	1:B:5:DT:C2	2:A:79:PHE:CZ	8	0.36
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD1	8	0.36
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD2	8	0.36
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE1	8	0.36
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE2	8	0.36
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CG	8	0.36
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CZ	8	0.36
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CD2	2	0.36
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE2	2	0.36
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE3	2	0.36
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CH2	2	0.36
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ2	2	0.36
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ3	2	0.36
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CD2	8	0.36
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE2	8	0.36
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE3	8	0.36
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CH2	8	0.36
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ2	8	0.36
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ3	8	0.36
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CD2	10	0.36
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE2	10	0.36
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE3	10	0.36
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CH2	10	0.36
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ2	10	0.36
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ3	10	0.36
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CD2	1	0.36
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE2	1	0.36
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE3	1	0.36
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CH2	1	0.36
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ2	1	0.36
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ3	1	0.36
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CD2	4	0.36
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE2	4	0.36
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE3	4	0.36
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CH2	4	0.36
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ2	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ3	4	0.36
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CD2	6	0.36
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE2	6	0.36
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CE3	6	0.36
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CH2	6	0.36
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ2	6	0.36
(1,1746)	1:B:2:DT:N3	2:A:75:TRP:CZ3	6	0.36
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG11	4	0.36
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG12	4	0.36
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG13	4	0.36
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG11	6	0.36
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG12	6	0.36
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG13	6	0.36
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG11	9	0.36
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG12	9	0.36
(1,1334)	2:A:44:VAL:HB	2:A:19:VAL:HG13	9	0.36
(1,1150)	2:A:44:VAL:HG21	2:A:21:VAL:HA	2	0.36
(1,1150)	2:A:44:VAL:HG22	2:A:21:VAL:HA	2	0.36
(1,1150)	2:A:44:VAL:HG23	2:A:21:VAL:HA	2	0.36
(1,1150)	2:A:44:VAL:HG21	2:A:21:VAL:HA	3	0.36
(1,1150)	2:A:44:VAL:HG22	2:A:21:VAL:HA	3	0.36
(1,1150)	2:A:44:VAL:HG23	2:A:21:VAL:HA	3	0.36
(1,1150)	2:A:44:VAL:HG21	2:A:21:VAL:HA	4	0.36
(1,1150)	2:A:44:VAL:HG22	2:A:21:VAL:HA	4	0.36
(1,1150)	2:A:44:VAL:HG23	2:A:21:VAL:HA	4	0.36
(1,1150)	2:A:44:VAL:HG21	2:A:21:VAL:HA	6	0.36
(1,1150)	2:A:44:VAL:HG22	2:A:21:VAL:HA	6	0.36
(1,1150)	2:A:44:VAL:HG23	2:A:21:VAL:HA	6	0.36
(1,1150)	2:A:44:VAL:HG21	2:A:21:VAL:HA	10	0.36
(1,1150)	2:A:44:VAL:HG22	2:A:21:VAL:HA	10	0.36
(1,1150)	2:A:44:VAL:HG23	2:A:21:VAL:HA	10	0.36
(2,88)	2:A:72:GLU:H	2:A:73:ASN:HB3	3	0.35
(2,88)	2:A:72:GLU:H	2:A:73:ASN:HB3	4	0.35
(2,88)	2:A:72:GLU:H	2:A:73:ASN:HB3	6	0.35
(2,88)	2:A:72:GLU:H	2:A:73:ASN:HB3	8	0.35
(2,88)	2:A:72:GLU:H	2:A:73:ASN:HB3	9	0.35
(2,88)	2:A:72:GLU:H	2:A:73:ASN:HB3	10	0.35
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C2	4	0.35
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C4	4	0.35
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C5	4	0.35
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C6	4	0.35
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N1	4	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N3	4	0.35
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C2	7	0.35
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C4	7	0.35
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C5	7	0.35
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:C6	7	0.35
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N1	7	0.35
(1,1775)	2:A:79:PHE:CD1	1:B:5:DT:N3	7	0.35
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C2	3	0.35
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C4	3	0.35
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C5	3	0.35
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C6	3	0.35
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N1	3	0.35
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N3	3	0.35
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C2	9	0.35
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C4	9	0.35
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C5	9	0.35
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C6	9	0.35
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N1	9	0.35
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N3	9	0.35
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C2	1	0.35
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C4	1	0.35
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C5	1	0.35
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C6	1	0.35
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N1	1	0.35
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N3	1	0.35
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C2	4	0.35
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C4	4	0.35
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C5	4	0.35
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C6	4	0.35
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N1	4	0.35
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N3	4	0.35
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C2	3	0.35
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C4	3	0.35
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C5	3	0.35
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C6	3	0.35
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N1	3	0.35
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N3	3	0.35
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C2	9	0.35
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C4	9	0.35
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C5	9	0.35
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C6	9	0.35
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N1	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N3	9	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD1	1	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD2	1	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE1	1	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE2	1	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CG	1	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CZ	1	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD1	2	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD2	2	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE1	2	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE2	2	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CG	2	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CZ	2	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD1	5	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD2	5	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE1	5	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE2	5	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CG	5	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CZ	5	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD1	6	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD2	6	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE1	6	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE2	6	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CG	6	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CZ	6	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD1	10	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD2	10	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE1	10	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE2	10	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CG	10	0.35
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CZ	10	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CD2	4	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE2	4	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE3	4	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CH2	4	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ2	4	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ3	4	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CD2	5	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE2	5	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE3	5	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CH2	5	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ2	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ3	5	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CD2	6	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE2	6	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE3	6	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CH2	6	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ2	6	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ3	6	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CD2	7	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE2	7	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE3	7	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CH2	7	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ2	7	0.35
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ3	7	0.35
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CD2	7	0.35
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE2	7	0.35
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE3	7	0.35
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CH2	7	0.35
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ2	7	0.35
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ3	7	0.35
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CD2	9	0.35
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE2	9	0.35
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE3	9	0.35
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CH2	9	0.35
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ2	9	0.35
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ3	9	0.35
(1,1150)	2:A:44:VAL:HG21	2:A:21:VAL:HA	5	0.35
(1,1150)	2:A:44:VAL:HG22	2:A:21:VAL:HA	5	0.35
(1,1150)	2:A:44:VAL:HG23	2:A:21:VAL:HA	5	0.35
(1,1150)	2:A:44:VAL:HG21	2:A:21:VAL:HA	9	0.35
(1,1150)	2:A:44:VAL:HG22	2:A:21:VAL:HA	9	0.35
(1,1150)	2:A:44:VAL:HG23	2:A:21:VAL:HA	9	0.35
(1,658)	2:A:95:GLU:H	2:A:95:GLU:HB3	1	0.34
(1,658)	2:A:95:GLU:H	2:A:95:GLU:HB3	2	0.34
(1,658)	2:A:95:GLU:H	2:A:95:GLU:HB3	5	0.34
(1,658)	2:A:95:GLU:H	2:A:95:GLU:HB3	7	0.34
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C2	1	0.34
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C4	1	0.34
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C5	1	0.34
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C6	1	0.34
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N1	1	0.34
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N3	1	0.34
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C2	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C4	8	0.34
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C5	8	0.34
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C6	8	0.34
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N1	8	0.34
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N3	8	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C2	5	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C4	5	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C5	5	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C6	5	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N1	5	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N3	5	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C2	6	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C4	6	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C5	6	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C6	6	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N1	6	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N3	6	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C2	10	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C4	10	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C5	10	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C6	10	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N1	10	0.34
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N3	10	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD1	3	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD2	3	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE1	3	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE2	3	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CG	3	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CZ	3	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD1	4	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD2	4	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE1	4	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE2	4	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CG	4	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CZ	4	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD1	7	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD2	7	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE1	7	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE2	7	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CG	7	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CZ	7	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD1	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CD2	9	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE1	9	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CE2	9	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CG	9	0.34
(1,1756)	1:B:5:DT:N1	2:A:79:PHE:CZ	9	0.34
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CD2	1	0.34
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE2	1	0.34
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CE3	1	0.34
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CH2	1	0.34
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ2	1	0.34
(1,1752)	1:B:3:DT:N3	2:A:56:TRP:CZ3	1	0.34
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CD2	4	0.34
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE2	4	0.34
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE3	4	0.34
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CH2	4	0.34
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ2	4	0.34
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ3	4	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CD2	1	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE2	1	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE3	1	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CH2	1	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ2	1	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ3	1	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CD2	3	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE2	3	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE3	3	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CH2	3	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ2	3	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ3	3	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CD2	6	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE2	6	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE3	6	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CH2	6	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ2	6	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ3	6	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CD2	8	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE2	8	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE3	8	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CH2	8	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ2	8	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ3	8	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CD2	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE2	10	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE3	10	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CH2	10	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ2	10	0.34
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ3	10	0.34
(1,1150)	2:A:44:VAL:HG21	2:A:21:VAL:HA	7	0.34
(1,1150)	2:A:44:VAL:HG22	2:A:21:VAL:HA	7	0.34
(1,1150)	2:A:44:VAL:HG23	2:A:21:VAL:HA	7	0.34
(1,1150)	2:A:44:VAL:HG21	2:A:21:VAL:HA	8	0.34
(1,1150)	2:A:44:VAL:HG22	2:A:21:VAL:HA	8	0.34
(1,1150)	2:A:44:VAL:HG23	2:A:21:VAL:HA	8	0.34
(1,658)	2:A:95:GLU:H	2:A:95:GLU:HB3	3	0.33
(1,658)	2:A:95:GLU:H	2:A:95:GLU:HB3	4	0.33
(1,658)	2:A:95:GLU:H	2:A:95:GLU:HB3	6	0.33
(1,658)	2:A:95:GLU:H	2:A:95:GLU:HB3	8	0.33
(1,658)	2:A:95:GLU:H	2:A:95:GLU:HB3	9	0.33
(1,658)	2:A:95:GLU:H	2:A:95:GLU:HB3	10	0.33
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C2	4	0.33
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C4	4	0.33
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C5	4	0.33
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C6	4	0.33
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N1	4	0.33
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N3	4	0.33
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C2	6	0.33
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C4	6	0.33
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C5	6	0.33
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C6	6	0.33
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N1	6	0.33
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N3	6	0.33
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C2	7	0.33
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C4	7	0.33
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C5	7	0.33
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C6	7	0.33
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N1	7	0.33
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N3	7	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C2	2	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C4	2	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C5	2	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C6	2	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N1	2	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N3	2	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C2	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C4	6	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C5	6	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C6	6	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N1	6	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N3	6	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C2	10	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C4	10	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C5	10	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C6	10	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N1	10	0.33
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N3	10	0.33
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C2	1	0.33
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C4	1	0.33
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C5	1	0.33
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C6	1	0.33
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N1	1	0.33
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N3	1	0.33
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C2	2	0.33
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C4	2	0.33
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C5	2	0.33
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C6	2	0.33
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N1	2	0.33
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N3	2	0.33
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C2	8	0.33
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C4	8	0.33
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C5	8	0.33
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C6	8	0.33
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N1	8	0.33
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N3	8	0.33
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CD2	1	0.33
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE2	1	0.33
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE3	1	0.33
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CH2	1	0.33
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ2	1	0.33
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ3	1	0.33
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CD2	3	0.33
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE2	3	0.33
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE3	3	0.33
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CH2	3	0.33
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ2	3	0.33
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ3	3	0.33
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CD2	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE2	3	0.33
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE3	3	0.33
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CH2	3	0.33
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ2	3	0.33
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ3	3	0.33
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CD2	1	0.33
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE2	1	0.33
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE3	1	0.33
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CH2	1	0.33
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ2	1	0.33
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ3	1	0.33
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CD2	2	0.33
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE2	2	0.33
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE3	2	0.33
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CH2	2	0.33
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ2	2	0.33
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ3	2	0.33
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CD2	8	0.33
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE2	8	0.33
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE3	8	0.33
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CH2	8	0.33
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ2	8	0.33
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ3	8	0.33
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CD2	2	0.33
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE2	2	0.33
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE3	2	0.33
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CH2	2	0.33
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ2	2	0.33
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ3	2	0.33
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CD2	4	0.33
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE2	4	0.33
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE3	4	0.33
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CH2	4	0.33
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ2	4	0.33
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ3	4	0.33
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CD2	5	0.33
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE2	5	0.33
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CE3	5	0.33
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CH2	5	0.33
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ2	5	0.33
(1,1745)	1:B:2:DT:C2	2:A:75:TRP:CZ3	5	0.33
(1,1150)	2:A:44:VAL:HG21	2:A:21:VAL:HA	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1150)	2:A:44:VAL:HG22	2:A:21:VAL:HA	1	0.33
(1,1150)	2:A:44:VAL:HG23	2:A:21:VAL:HA	1	0.33
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG11	3	0.32
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG12	3	0.32
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG13	3	0.32
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG11	5	0.32
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG12	5	0.32
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG13	5	0.32
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG11	6	0.32
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG12	6	0.32
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG13	6	0.32
(1,834)	2:A:9:LYS:H	2:A:9:LYS:HB2	1	0.32
(1,834)	2:A:9:LYS:H	2:A:9:LYS:HB2	2	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C2	1	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C4	1	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C5	1	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C6	1	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N1	1	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N3	1	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C2	2	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C4	2	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C5	2	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C6	2	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N1	2	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N3	2	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C2	3	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C4	3	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C5	3	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C6	3	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N1	3	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N3	3	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C2	5	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C4	5	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C5	5	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C6	5	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N1	5	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N3	5	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C2	8	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C4	8	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C5	8	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C6	8	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N1	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N3	8	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C2	9	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C4	9	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C5	9	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C6	9	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N1	9	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N3	9	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C2	10	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C4	10	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C5	10	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C6	10	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N1	10	0.32
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N3	10	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C2	1	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C4	1	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C5	1	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C6	1	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N1	1	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N3	1	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C2	2	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C4	2	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C5	2	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C6	2	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N1	2	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N3	2	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C2	3	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C4	3	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C5	3	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C6	3	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N1	3	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N3	3	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C2	5	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C4	5	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C5	5	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C6	5	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N1	5	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N3	5	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C2	8	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C4	8	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C5	8	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C6	8	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N1	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N3	8	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C2	9	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C4	9	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C5	9	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C6	9	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N1	9	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N3	9	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C2	10	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C4	10	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C5	10	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:C6	10	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N1	10	0.32
(1,1776)	2:A:79:PHE:CD2	1:B:5:DT:N3	10	0.32
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C2	3	0.32
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C4	3	0.32
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C5	3	0.32
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C6	3	0.32
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N1	3	0.32
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N3	3	0.32
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C2	4	0.32
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C4	4	0.32
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C5	4	0.32
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:C6	4	0.32
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N1	4	0.32
(1,1762)	2:A:75:TRP:CD2	1:B:2:DT:N3	4	0.32
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD1	4	0.32
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD2	4	0.32
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE1	4	0.32
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE2	4	0.32
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CG	4	0.32
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CZ	4	0.32
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD1	7	0.32
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD2	7	0.32
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE1	7	0.32
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE2	7	0.32
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CG	7	0.32
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CZ	7	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD1	1	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD2	1	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE1	1	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE2	1	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CG	1	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CZ	1	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD1	2	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD2	2	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE1	2	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE2	2	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CG	2	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CZ	2	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD1	3	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD2	3	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE1	3	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE2	3	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CG	3	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CZ	3	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD1	4	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD2	4	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE1	4	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE2	4	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CG	4	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CZ	4	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD1	5	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD2	5	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE1	5	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE2	5	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CG	5	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CZ	5	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD1	6	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD2	6	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE1	6	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE2	6	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CG	6	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CZ	6	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD1	7	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD2	7	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE1	7	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE2	7	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CG	7	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CZ	7	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD1	9	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD2	9	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE1	9	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE2	9	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CG	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CZ	9	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD1	10	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD2	10	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE1	10	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE2	10	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CG	10	0.32
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CZ	10	0.32
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CD2	9	0.32
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE2	9	0.32
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CE3	9	0.32
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CH2	9	0.32
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ2	9	0.32
(1,1753)	1:B:3:DT:C4	2:A:56:TRP:CZ3	9	0.32
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CD2	9	0.32
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE2	9	0.32
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE3	9	0.32
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CH2	9	0.32
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ2	9	0.32
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ3	9	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CD2	5	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE2	5	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE3	5	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CH2	5	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ2	5	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ3	5	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CD2	6	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE2	6	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE3	6	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CH2	6	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ2	6	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ3	6	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CD2	9	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE2	9	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE3	9	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CH2	9	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ2	9	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ3	9	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CD2	10	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE2	10	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE3	10	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CH2	10	0.32
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ2	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ3	10	0.32
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG11	1	0.31
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG12	1	0.31
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG13	1	0.31
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG11	2	0.31
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG12	2	0.31
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG13	2	0.31
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG11	4	0.31
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG12	4	0.31
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG13	4	0.31
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG11	7	0.31
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG12	7	0.31
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG13	7	0.31
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG11	8	0.31
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG12	8	0.31
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG13	8	0.31
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG11	9	0.31
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG12	9	0.31
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG13	9	0.31
(1,834)	2:A:9:LYS:H	2:A:9:LYS:HB2	4	0.31
(1,834)	2:A:9:LYS:H	2:A:9:LYS:HB2	5	0.31
(1,834)	2:A:9:LYS:H	2:A:9:LYS:HB2	6	0.31
(1,834)	2:A:9:LYS:H	2:A:9:LYS:HB2	7	0.31
(1,834)	2:A:9:LYS:H	2:A:9:LYS:HB2	9	0.31
(1,834)	2:A:9:LYS:H	2:A:9:LYS:HB2	10	0.31
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C2	4	0.31
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C4	4	0.31
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C5	4	0.31
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C6	4	0.31
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N1	4	0.31
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N3	4	0.31
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C2	6	0.31
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C4	6	0.31
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C5	6	0.31
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C6	6	0.31
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N1	6	0.31
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N3	6	0.31
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C2	7	0.31
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C4	7	0.31
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C5	7	0.31
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:C6	7	0.31
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N1	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1777)	2:A:79:PHE:CE1	1:B:5:DT:N3	7	0.31
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C2	5	0.31
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C4	5	0.31
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C5	5	0.31
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C6	5	0.31
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N1	5	0.31
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N3	5	0.31
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C2	9	0.31
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C4	9	0.31
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C5	9	0.31
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C6	9	0.31
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N1	9	0.31
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N3	9	0.31
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD1	1	0.31
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD2	1	0.31
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE1	1	0.31
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE2	1	0.31
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CG	1	0.31
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CZ	1	0.31
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD1	2	0.31
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD2	2	0.31
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE1	2	0.31
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE2	2	0.31
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CG	2	0.31
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CZ	2	0.31
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD1	8	0.31
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD2	8	0.31
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE1	8	0.31
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE2	8	0.31
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CG	8	0.31
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CZ	8	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD1	1	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD2	1	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE1	1	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE2	1	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CG	1	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CZ	1	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD1	2	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD2	2	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE1	2	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE2	2	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CG	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CZ	2	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD1	3	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD2	3	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE1	3	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE2	3	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CG	3	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CZ	3	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD1	5	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD2	5	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE1	5	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE2	5	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CG	5	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CZ	5	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD1	6	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD2	6	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE1	6	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE2	6	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CG	6	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CZ	6	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD1	9	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD2	9	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE1	9	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE2	9	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CG	9	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CZ	9	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD1	10	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD2	10	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE1	10	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE2	10	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CG	10	0.31
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CZ	10	0.31
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD1	8	0.31
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CD2	8	0.31
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE1	8	0.31
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CE2	8	0.31
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CG	8	0.31
(1,1758)	1:B:5:DT:N3	2:A:79:PHE:CZ	8	0.31
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CD2	1	0.31
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE2	1	0.31
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE3	1	0.31
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CH2	1	0.31
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ2	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ3	1	0.31
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CD2	3	0.31
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE2	3	0.31
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE3	3	0.31
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CH2	3	0.31
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ2	3	0.31
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ3	3	0.31
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CD2	6	0.31
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE2	6	0.31
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE3	6	0.31
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CH2	6	0.31
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ2	6	0.31
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ3	6	0.31
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CD2	8	0.31
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE2	8	0.31
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE3	8	0.31
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CH2	8	0.31
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ2	8	0.31
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ3	8	0.31
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG11	10	0.3
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG12	10	0.3
(1,849)	2:A:19:VAL:H	2:A:19:VAL:HG13	10	0.3
(1,834)	2:A:9:LYS:H	2:A:9:LYS:HB2	3	0.3
(1,834)	2:A:9:LYS:H	2:A:9:LYS:HB2	8	0.3
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C2	7	0.3
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C4	7	0.3
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C5	7	0.3
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C6	7	0.3
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N1	7	0.3
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N3	7	0.3
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C2	1	0.3
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C4	1	0.3
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C5	1	0.3
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:C6	1	0.3
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N1	1	0.3
(1,1771)	2:A:56:TRP:CZ2	1:B:3:DT:N3	1	0.3
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C2	3	0.3
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C4	3	0.3
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C5	3	0.3
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C6	3	0.3
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N1	3	0.3
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N3	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C2	7	0.3
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C4	7	0.3
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C5	7	0.3
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:C6	7	0.3
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N1	7	0.3
(1,1767)	2:A:75:TRP:CH2	1:B:2:DT:N3	7	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD1	4	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD2	4	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE1	4	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE2	4	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CG	4	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CZ	4	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD1	5	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD2	5	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE1	5	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE2	5	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CG	5	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CZ	5	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD1	6	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD2	6	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE1	6	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE2	6	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CG	6	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CZ	6	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD1	7	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD2	7	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE1	7	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE2	7	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CG	7	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CZ	7	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD1	9	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD2	9	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE1	9	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE2	9	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CG	9	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CZ	9	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD1	10	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD2	10	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE1	10	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE2	10	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CG	10	0.3
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CZ	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD1	4	0.3
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD2	4	0.3
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE1	4	0.3
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE2	4	0.3
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CG	4	0.3
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CZ	4	0.3
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD1	8	0.3
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CD2	8	0.3
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE1	8	0.3
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CE2	8	0.3
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CG	8	0.3
(1,1759)	1:B:5:DT:C4	2:A:79:PHE:CZ	8	0.3
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CD2	7	0.3
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE2	7	0.3
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE3	7	0.3
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CH2	7	0.3
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ2	7	0.3
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ3	7	0.3
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CD2	7	0.3
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE2	7	0.3
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CE3	7	0.3
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CH2	7	0.3
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ2	7	0.3
(1,1748)	1:B:2:DT:C5	2:A:75:TRP:CZ3	7	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CD2	1	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE2	1	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE3	1	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CH2	1	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ2	1	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ3	1	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CD2	4	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE2	4	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE3	4	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CH2	4	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ2	4	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ3	4	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CD2	10	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE2	10	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE3	10	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CH2	10	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ2	10	0.3
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ3	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C2	7	0.29
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C4	7	0.29
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C5	7	0.29
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C6	7	0.29
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N1	7	0.29
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N3	7	0.29
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C2	9	0.29
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C4	9	0.29
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C5	9	0.29
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C6	9	0.29
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N1	9	0.29
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N3	9	0.29
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C2	2	0.29
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C4	2	0.29
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C5	2	0.29
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C6	2	0.29
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N1	2	0.29
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N3	2	0.29
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C2	4	0.29
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C4	4	0.29
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C5	4	0.29
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C6	4	0.29
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N1	4	0.29
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N3	4	0.29
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C2	9	0.29
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C4	9	0.29
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C5	9	0.29
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C6	9	0.29
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N1	9	0.29
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N3	9	0.29
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD1	3	0.29
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CD2	3	0.29
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE1	3	0.29
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CE2	3	0.29
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CG	3	0.29
(1,1761)	1:B:5:DT:C6	2:A:79:PHE:CZ	3	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD1	1	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD2	1	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE1	1	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE2	1	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CG	1	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CZ	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD1	2	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD2	2	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE1	2	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE2	2	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CG	2	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CZ	2	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD1	3	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD2	3	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE1	3	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE2	3	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CG	3	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CZ	3	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD1	5	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD2	5	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE1	5	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE2	5	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CG	5	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CZ	5	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD1	6	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD2	6	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE1	6	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE2	6	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CG	6	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CZ	6	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD1	7	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD2	7	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE1	7	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE2	7	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CG	7	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CZ	7	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD1	8	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD2	8	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE1	8	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE2	8	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CG	8	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CZ	8	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD1	9	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD2	9	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE1	9	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE2	9	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CG	9	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CZ	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD1	10	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CD2	10	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE1	10	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CE2	10	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CG	10	0.29
(1,1760)	1:B:5:DT:C5	2:A:79:PHE:CZ	10	0.29
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CD2	1	0.29
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE2	1	0.29
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE3	1	0.29
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CH2	1	0.29
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ2	1	0.29
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ3	1	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CD2	2	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE2	2	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE3	2	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CH2	2	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ2	2	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ3	2	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CD2	4	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE2	4	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE3	4	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CH2	4	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ2	4	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ3	4	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CD2	5	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE2	5	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE3	5	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CH2	5	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ2	5	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ3	5	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CD2	6	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE2	6	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE3	6	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CH2	6	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ2	6	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ3	6	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CD2	8	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE2	8	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE3	8	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CH2	8	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ2	8	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ3	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CD2	10	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE2	10	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CE3	10	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CH2	10	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ2	10	0.29
(1,1750)	1:B:3:DT:N1	2:A:56:TRP:CZ3	10	0.29
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CD2	4	0.29
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE2	4	0.29
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE3	4	0.29
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CH2	4	0.29
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ2	4	0.29
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ3	4	0.29
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CD2	9	0.29
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE2	9	0.29
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE3	9	0.29
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CH2	9	0.29
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ2	9	0.29
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ3	9	0.29
(1,1186)	2:A:19:VAL:HG11	2:A:45:GLY:H	10	0.29
(1,1186)	2:A:19:VAL:HG12	2:A:45:GLY:H	10	0.29
(1,1186)	2:A:19:VAL:HG13	2:A:45:GLY:H	10	0.29
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C2	1	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C4	1	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C5	1	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C6	1	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N1	1	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N3	1	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C2	2	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C4	2	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C5	2	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C6	2	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N1	2	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N3	2	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C2	3	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C4	3	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C5	3	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C6	3	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N1	3	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N3	3	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C2	4	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C4	4	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C5	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C6	4	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N1	4	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N3	4	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C2	5	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C4	5	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C5	5	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C6	5	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N1	5	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N3	5	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C2	8	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C4	8	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C5	8	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C6	8	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N1	8	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N3	8	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C2	10	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C4	10	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C5	10	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C6	10	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N1	10	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N3	10	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C2	1	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C4	1	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C5	1	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C6	1	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N1	1	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N3	1	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C2	3	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C4	3	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C5	3	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C6	3	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N1	3	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N3	3	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C2	5	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C4	5	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C5	5	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C6	5	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N1	5	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N3	5	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C2	6	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C4	6	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C5	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C6	6	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N1	6	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N3	6	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C2	8	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C4	8	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C5	8	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C6	8	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N1	8	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N3	8	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C2	9	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C4	9	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C5	9	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C6	9	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N1	9	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N3	9	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C2	10	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C4	10	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C5	10	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:C6	10	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N1	10	0.28
(1,1778)	2:A:79:PHE:CE2	1:B:5:DT:N3	10	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CD2	1	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE2	1	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE3	1	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CH2	1	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ2	1	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ3	1	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CD2	6	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE2	6	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE3	6	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CH2	6	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ2	6	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ3	6	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CD2	8	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE2	8	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE3	8	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CH2	8	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ2	8	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ3	8	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CD2	10	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE2	10	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE3	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CH2	10	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ2	10	0.28
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ3	10	0.28
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CD2	3	0.28
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE2	3	0.28
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE3	3	0.28
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CH2	3	0.28
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ2	3	0.28
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ3	3	0.28
(1,1186)	2:A:19:VAL:HG11	2:A:45:GLY:H	1	0.28
(1,1186)	2:A:19:VAL:HG12	2:A:45:GLY:H	1	0.28
(1,1186)	2:A:19:VAL:HG13	2:A:45:GLY:H	1	0.28
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C2	6	0.27
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C4	6	0.27
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C5	6	0.27
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:C6	6	0.27
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N1	6	0.27
(1,1779)	2:A:79:PHE:CZ	1:B:5:DT:N3	6	0.27
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C2	1	0.27
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C4	1	0.27
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C5	1	0.27
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C6	1	0.27
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N1	1	0.27
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N3	1	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C2	6	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C4	6	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C5	6	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C6	6	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N1	6	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N3	6	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C2	7	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C4	7	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C5	7	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C6	7	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N1	7	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N3	7	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C2	8	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C4	8	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C5	8	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C6	8	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N1	8	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N3	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CD2	1	0.27
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE2	1	0.27
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE3	1	0.27
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CH2	1	0.27
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ2	1	0.27
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ3	1	0.27
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CD2	2	0.27
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE2	2	0.27
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE3	2	0.27
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CH2	2	0.27
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ2	2	0.27
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ3	2	0.27
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CD2	7	0.27
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE2	7	0.27
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE3	7	0.27
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CH2	7	0.27
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ2	7	0.27
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ3	7	0.27
(1,1186)	2:A:19:VAL:HG11	2:A:45:GLY:H	2	0.27
(1,1186)	2:A:19:VAL:HG12	2:A:45:GLY:H	2	0.27
(1,1186)	2:A:19:VAL:HG13	2:A:45:GLY:H	2	0.27
(1,1186)	2:A:19:VAL:HG11	2:A:45:GLY:H	3	0.27
(1,1186)	2:A:19:VAL:HG12	2:A:45:GLY:H	3	0.27
(1,1186)	2:A:19:VAL:HG13	2:A:45:GLY:H	3	0.27
(1,1186)	2:A:19:VAL:HG11	2:A:45:GLY:H	4	0.27
(1,1186)	2:A:19:VAL:HG12	2:A:45:GLY:H	4	0.27
(1,1186)	2:A:19:VAL:HG13	2:A:45:GLY:H	4	0.27
(1,1186)	2:A:19:VAL:HG11	2:A:45:GLY:H	6	0.27
(1,1186)	2:A:19:VAL:HG12	2:A:45:GLY:H	6	0.27
(1,1186)	2:A:19:VAL:HG13	2:A:45:GLY:H	6	0.27
(1,1186)	2:A:19:VAL:HG11	2:A:45:GLY:H	7	0.27
(1,1186)	2:A:19:VAL:HG12	2:A:45:GLY:H	7	0.27
(1,1186)	2:A:19:VAL:HG13	2:A:45:GLY:H	7	0.27
(1,1186)	2:A:19:VAL:HG11	2:A:45:GLY:H	8	0.27
(1,1186)	2:A:19:VAL:HG12	2:A:45:GLY:H	8	0.27
(1,1186)	2:A:19:VAL:HG13	2:A:45:GLY:H	8	0.27
(1,1186)	2:A:19:VAL:HG11	2:A:45:GLY:H	9	0.27
(1,1186)	2:A:19:VAL:HG12	2:A:45:GLY:H	9	0.27
(1,1186)	2:A:19:VAL:HG13	2:A:45:GLY:H	9	0.27
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C2	2	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C4	2	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C5	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C6	2	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N1	2	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N3	2	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C2	4	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C4	4	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C5	4	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C6	4	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N1	4	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N3	4	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C2	5	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C4	5	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C5	5	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C6	5	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N1	5	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N3	5	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C2	10	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C4	10	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C5	10	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:C6	10	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N1	10	0.26
(1,1770)	2:A:56:TRP:CE3	1:B:3:DT:N3	10	0.26
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C2	4	0.26
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C4	4	0.26
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C5	4	0.26
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C6	4	0.26
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N1	4	0.26
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N3	4	0.26
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C2	6	0.26
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C4	6	0.26
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C5	6	0.26
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C6	6	0.26
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N1	6	0.26
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N3	6	0.26
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CD2	9	0.26
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE2	9	0.26
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE3	9	0.26
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CH2	9	0.26
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ2	9	0.26
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ3	9	0.26
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CD2	5	0.26
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE2	5	0.26
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CE3	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CH2	5	0.26
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ2	5	0.26
(1,1744)	1:B:2:DT:N1	2:A:75:TRP:CZ3	5	0.26
(1,1186)	2:A:19:VAL:HG11	2:A:45:GLY:H	5	0.26
(1,1186)	2:A:19:VAL:HG12	2:A:45:GLY:H	5	0.26
(1,1186)	2:A:19:VAL:HG13	2:A:45:GLY:H	5	0.26
(1,94)	2:A:12:MET:H	2:A:12:MET:HB3	1	0.25
(1,94)	2:A:12:MET:H	2:A:12:MET:HB3	2	0.25
(1,94)	2:A:12:MET:H	2:A:12:MET:HB3	3	0.25
(1,94)	2:A:12:MET:H	2:A:12:MET:HB3	4	0.25
(1,94)	2:A:12:MET:H	2:A:12:MET:HB3	5	0.25
(1,94)	2:A:12:MET:H	2:A:12:MET:HB3	6	0.25
(1,94)	2:A:12:MET:H	2:A:12:MET:HB3	7	0.25
(1,94)	2:A:12:MET:H	2:A:12:MET:HB3	8	0.25
(1,94)	2:A:12:MET:H	2:A:12:MET:HB3	9	0.25
(1,94)	2:A:12:MET:H	2:A:12:MET:HB3	10	0.25
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C2	1	0.25
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C4	1	0.25
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C5	1	0.25
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C6	1	0.25
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N1	1	0.25
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N3	1	0.25
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C2	2	0.25
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C4	2	0.25
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C5	2	0.25
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C6	2	0.25
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N1	2	0.25
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N3	2	0.25
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C2	10	0.25
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C4	10	0.25
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C5	10	0.25
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C6	10	0.25
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N1	10	0.25
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N3	10	0.25
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C2	1	0.25
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C4	1	0.25
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C5	1	0.25
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C6	1	0.25
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N1	1	0.25
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N3	1	0.25
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C2	6	0.25
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C4	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C5	6	0.25
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C6	6	0.25
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N1	6	0.25
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N3	6	0.25
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C2	8	0.25
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C4	8	0.25
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C5	8	0.25
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C6	8	0.25
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N1	8	0.25
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N3	8	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C2	1	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C4	1	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C5	1	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C6	1	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N1	1	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N3	1	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C2	4	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C4	4	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C5	4	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C6	4	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N1	4	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N3	4	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C2	8	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C4	8	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C5	8	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C6	8	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N1	8	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N3	8	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C2	9	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C4	9	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C5	9	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C6	9	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N1	9	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N3	9	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C2	10	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C4	10	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C5	10	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C6	10	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N1	10	0.25
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N3	10	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CD2	2	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE2	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE3	2	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CH2	2	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ2	2	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ3	2	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CD2	5	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE2	5	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE3	5	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CH2	5	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ2	5	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ3	5	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CD2	8	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE2	8	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE3	8	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CH2	8	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ2	8	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ3	8	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CD2	10	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE2	10	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE3	10	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CH2	10	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ2	10	0.25
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ3	10	0.25
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CD2	2	0.25
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE2	2	0.25
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE3	2	0.25
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CH2	2	0.25
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ2	2	0.25
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ3	2	0.25
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CD2	3	0.25
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE2	3	0.25
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE3	3	0.25
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CH2	3	0.25
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ2	3	0.25
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ3	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N1	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N3	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O2	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O3'	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4'	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O5'	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N1	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N3	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O2	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O3'	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4'	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O5'	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP1	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP2	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N1	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N3	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O2	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O3'	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4'	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O5'	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP1	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP2	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N1	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N3	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O2	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O3'	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4'	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O5'	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP1	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP2	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N1	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N3	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O2	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O3'	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4'	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O5'	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP1	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP2	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N1	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N3	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O2	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O3'	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4'	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O5'	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP1	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP2	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N1	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N3	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O2	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O3'	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4'	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O5'	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N1	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N3	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O2	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O3'	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4'	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O5'	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP1	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP2	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N1	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N3	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O2	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O3'	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4'	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O5'	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP1	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP2	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N1	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N3	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O2	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O3'	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4'	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O5'	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP1	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP2	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N1	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N3	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O2	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O3'	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4'	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O5'	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP1	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP2	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N1	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N3	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O2	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O3'	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4'	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O5'	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP1	3	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP2	3	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N1	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N3	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O2	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O3'	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4'	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O5'	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N1	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N3	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O2	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O3'	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4'	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O5'	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP1	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP2	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N1	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N3	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O2	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O3'	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4'	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O5'	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP1	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP2	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N1	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N3	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O2	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O3'	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4'	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O5'	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP1	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP2	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N1	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N3	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O2	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O3'	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4'	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O5'	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP1	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP2	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N1	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N3	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O2	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O3'	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4'	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O5'	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP1	8	0.25
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP2	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N1	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N3	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O2	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O3'	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4'	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O5'	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N1	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N3	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O2	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O3'	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4'	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O5'	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP1	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP2	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N1	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N3	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O2	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O3'	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4'	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O5'	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP1	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP2	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N1	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N3	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O2	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O3'	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4'	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O5'	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP1	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP2	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N1	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N3	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O2	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O3'	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4'	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O5'	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP1	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP2	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N1	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N3	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O2	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O3'	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4'	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O5'	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP1	8	0.25
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP2	8	0.25
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C2	4	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C4	4	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C5	4	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C6	4	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N1	4	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N3	4	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C2	5	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C4	5	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C5	5	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C6	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N1	5	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N3	5	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C2	6	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C4	6	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C5	6	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C6	6	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N1	6	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N3	6	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C2	8	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C4	8	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C5	8	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C6	8	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N1	8	0.24
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N3	8	0.24
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C2	10	0.24
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C4	10	0.24
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C5	10	0.24
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C6	10	0.24
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N1	10	0.24
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N3	10	0.24
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C2	2	0.24
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C4	2	0.24
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C5	2	0.24
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C6	2	0.24
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N1	2	0.24
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N3	2	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CD2	3	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE2	3	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE3	3	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CH2	3	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ2	3	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ3	3	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CD2	4	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE2	4	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE3	4	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CH2	4	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ2	4	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ3	4	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CD2	6	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE2	6	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE3	6	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CH2	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ2	6	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ3	6	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CD2	7	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE2	7	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE3	7	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CH2	7	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ2	7	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ3	7	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CD2	9	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE2	9	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CE3	9	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CH2	9	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ2	9	0.24
(1,1754)	1:B:3:DT:C5	2:A:56:TRP:CZ3	9	0.24
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CD2	5	0.24
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE2	5	0.24
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE3	5	0.24
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CH2	5	0.24
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ2	5	0.24
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ3	5	0.24
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CD2	7	0.24
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE2	7	0.24
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CE3	7	0.24
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CH2	7	0.24
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ2	7	0.24
(1,1749)	1:B:2:DT:C6	2:A:75:TRP:CZ3	7	0.24
(1,1610)	2:A:94:ALA:HA	2:A:95:GLU:HB3	1	0.24
(1,1610)	2:A:94:ALA:HA	2:A:95:GLU:HB3	2	0.24
(1,1610)	2:A:94:ALA:HA	2:A:95:GLU:HB3	4	0.24
(1,1610)	2:A:94:ALA:HA	2:A:95:GLU:HB3	5	0.24
(1,1610)	2:A:94:ALA:HA	2:A:95:GLU:HB3	7	0.24
(2,164)	2:A:44:VAL:HG11	2:A:54:THR:H	4	0.23
(2,164)	2:A:44:VAL:HG12	2:A:54:THR:H	4	0.23
(2,164)	2:A:44:VAL:HG13	2:A:54:THR:H	4	0.23
(2,164)	2:A:44:VAL:HG11	2:A:54:THR:H	5	0.23
(2,164)	2:A:44:VAL:HG12	2:A:54:THR:H	5	0.23
(2,164)	2:A:44:VAL:HG13	2:A:54:THR:H	5	0.23
(2,164)	2:A:44:VAL:HG11	2:A:54:THR:H	8	0.23
(2,164)	2:A:44:VAL:HG12	2:A:54:THR:H	8	0.23
(2,164)	2:A:44:VAL:HG13	2:A:54:THR:H	8	0.23
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C2	3	0.23
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C4	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C5	3	0.23
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C6	3	0.23
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N1	3	0.23
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N3	3	0.23
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C2	7	0.23
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C4	7	0.23
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C5	7	0.23
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C6	7	0.23
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N1	7	0.23
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N3	7	0.23
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C2	9	0.23
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C4	9	0.23
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C5	9	0.23
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:C6	9	0.23
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N1	9	0.23
(1,1773)	2:A:56:TRP:CH2	1:B:3:DT:N3	9	0.23
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C2	2	0.23
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C4	2	0.23
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C5	2	0.23
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C6	2	0.23
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N1	2	0.23
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N3	2	0.23
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C2	9	0.23
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C4	9	0.23
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C5	9	0.23
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C6	9	0.23
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N1	9	0.23
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N3	9	0.23
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C2	3	0.23
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C4	3	0.23
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C5	3	0.23
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C6	3	0.23
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N1	3	0.23
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N3	3	0.23
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C2	5	0.23
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C4	5	0.23
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C5	5	0.23
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C6	5	0.23
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N1	5	0.23
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N3	5	0.23
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C2	7	0.23
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C4	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C5	7	0.23
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:C6	7	0.23
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N1	7	0.23
(1,1764)	2:A:75:TRP:CE3	1:B:2:DT:N3	7	0.23
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CD2	3	0.23
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE2	3	0.23
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE3	3	0.23
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CH2	3	0.23
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ2	3	0.23
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ3	3	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N1	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N3	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O2	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O3'	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4'	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O5'	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N1	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N3	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O2	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O3'	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4'	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O5'	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP1	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP2	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N1	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N3	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O2	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O3'	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4'	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O5'	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP1	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP2	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N1	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N3	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O2	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O3'	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4'	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O5'	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP1	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP2	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N1	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N3	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O2	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O3'	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4'	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O5'	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP1	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP2	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N1	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N3	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O2	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O3'	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4'	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O5'	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP1	7	0.23
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP2	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N1	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N3	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O2	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O3'	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4'	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O5'	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N1	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N3	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O2	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O3'	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4'	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O5'	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP1	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP2	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N1	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N3	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O2	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O3'	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4'	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O5'	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP1	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP2	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N1	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N3	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O2	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O3'	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4'	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O5'	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP1	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP2	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N1	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N3	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O2	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O3'	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4'	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O5'	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP1	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP2	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N1	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N3	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O2	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O3'	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4'	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O5'	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP1	7	0.23
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP2	7	0.23
(1,1610)	2:A:94:ALA:HA	2:A:95:GLU:HB3	3	0.23
(1,1610)	2:A:94:ALA:HA	2:A:95:GLU:HB3	6	0.23
(1,1610)	2:A:94:ALA:HA	2:A:95:GLU:HB3	8	0.23
(1,1610)	2:A:94:ALA:HA	2:A:95:GLU:HB3	9	0.23
(1,1610)	2:A:94:ALA:HA	2:A:95:GLU:HB3	10	0.23
(1,1268)	2:A:37:ARG:HA	2:A:37:ARG:HB2	3	0.23
(2,164)	2:A:44:VAL:HG11	2:A:54:THR:H	6	0.22
(2,164)	2:A:44:VAL:HG12	2:A:54:THR:H	6	0.22
(2,164)	2:A:44:VAL:HG13	2:A:54:THR:H	6	0.22
(2,164)	2:A:44:VAL:HG11	2:A:54:THR:H	7	0.22
(2,164)	2:A:44:VAL:HG12	2:A:54:THR:H	7	0.22
(2,164)	2:A:44:VAL:HG13	2:A:54:THR:H	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,164)	2:A:44:VAL:HG11	2:A:54:THR:H	9	0.22
(2,164)	2:A:44:VAL:HG12	2:A:54:THR:H	9	0.22
(2,164)	2:A:44:VAL:HG13	2:A:54:THR:H	9	0.22
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C2	3	0.22
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C4	3	0.22
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C5	3	0.22
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C6	3	0.22
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N1	3	0.22
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N3	3	0.22
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C2	3	0.22
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C4	3	0.22
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C5	3	0.22
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C6	3	0.22
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N1	3	0.22
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N3	3	0.22
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C2	5	0.22
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C4	5	0.22
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C5	5	0.22
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C6	5	0.22
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N1	5	0.22
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N3	5	0.22
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CD2	9	0.22
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE2	9	0.22
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE3	9	0.22
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CH2	9	0.22
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ2	9	0.22
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ3	9	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N1	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N3	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O2	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O3'	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4'	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O5'	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N1	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N3	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O2	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O3'	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4'	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O5'	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP1	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP2	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N1	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N3	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O2	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O3'	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4'	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O5'	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP1	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP2	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N1	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N3	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O2	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O3'	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4'	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O5'	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP1	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP2	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N1	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N3	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O2	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O3'	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4'	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O5'	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP1	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP2	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N1	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N3	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O2	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O3'	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4'	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O5'	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP1	6	0.22
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP2	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N1	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N3	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O2	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O3'	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4'	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O5'	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N1	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N3	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O2	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O3'	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4'	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O5'	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP1	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP2	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N1	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N3	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O2	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O3'	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4'	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O5'	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP1	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP2	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N1	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N3	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O2	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O3'	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4'	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O5'	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP1	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP2	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N1	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N3	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O2	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O3'	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4'	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O5'	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP1	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP2	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N1	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N3	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O2	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O3'	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4'	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O5'	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP1	6	0.22
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP2	6	0.22
(1,1268)	2:A:37:ARG:HA	2:A:37:ARG:HB2	1	0.22
(1,1268)	2:A:37:ARG:HA	2:A:37:ARG:HB2	2	0.22
(1,1268)	2:A:37:ARG:HA	2:A:37:ARG:HB2	4	0.22
(1,1124)	2:A:9:LYS:HA	2:A:9:LYS:HB3	1	0.22
(1,1124)	2:A:9:LYS:HA	2:A:9:LYS:HB3	2	0.22
(1,1124)	2:A:9:LYS:HA	2:A:9:LYS:HB3	4	0.22
(1,1124)	2:A:9:LYS:HA	2:A:9:LYS:HB3	5	0.22
(1,1124)	2:A:9:LYS:HA	2:A:9:LYS:HB3	6	0.22
(1,1124)	2:A:9:LYS:HA	2:A:9:LYS:HB3	7	0.22
(1,1124)	2:A:9:LYS:HA	2:A:9:LYS:HB3	8	0.22
(1,1124)	2:A:9:LYS:HA	2:A:9:LYS:HB3	9	0.22
(1,1124)	2:A:9:LYS:HA	2:A:9:LYS:HB3	10	0.22
(2,164)	2:A:44:VAL:HG11	2:A:54:THR:H	2	0.21
(2,164)	2:A:44:VAL:HG12	2:A:54:THR:H	2	0.21
(2,164)	2:A:44:VAL:HG13	2:A:54:THR:H	2	0.21
(1,677)	2:A:99:ASP:H	2:A:98:GLU:HB3	1	0.21
(1,677)	2:A:99:ASP:H	2:A:98:GLU:HB3	2	0.21
(1,677)	2:A:99:ASP:H	2:A:98:GLU:HB3	3	0.21
(1,677)	2:A:99:ASP:H	2:A:98:GLU:HB3	4	0.21
(1,677)	2:A:99:ASP:H	2:A:98:GLU:HB3	5	0.21
(1,677)	2:A:99:ASP:H	2:A:98:GLU:HB3	6	0.21
(1,677)	2:A:99:ASP:H	2:A:98:GLU:HB3	7	0.21
(1,677)	2:A:99:ASP:H	2:A:98:GLU:HB3	8	0.21
(1,677)	2:A:99:ASP:H	2:A:98:GLU:HB3	9	0.21
(1,677)	2:A:99:ASP:H	2:A:98:GLU:HB3	10	0.21
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C2	9	0.21
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C4	9	0.21
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C5	9	0.21
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C6	9	0.21
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N1	9	0.21
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N3	9	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CD2	2	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE2	2	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE3	2	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CH2	2	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ2	2	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ3	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CD2	4	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE2	4	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE3	4	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CH2	4	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ2	4	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ3	4	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CD2	5	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE2	5	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE3	5	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CH2	5	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ2	5	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ3	5	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CD2	6	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE2	6	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE3	6	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CH2	6	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ2	6	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ3	6	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CD2	7	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE2	7	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE3	7	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CH2	7	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ2	7	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ3	7	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CD2	8	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE2	8	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE3	8	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CH2	8	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ2	8	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ3	8	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CD2	10	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE2	10	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CE3	10	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CH2	10	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ2	10	0.21
(1,1755)	1:B:3:DT:C6	2:A:56:TRP:CZ3	10	0.21
(1,1268)	2:A:37:ARG:HA	2:A:37:ARG:HB2	5	0.21
(1,1268)	2:A:37:ARG:HA	2:A:37:ARG:HB2	7	0.21
(1,1268)	2:A:37:ARG:HA	2:A:37:ARG:HB2	8	0.21
(1,1268)	2:A:37:ARG:HA	2:A:37:ARG:HB2	9	0.21
(1,1124)	2:A:9:LYS:HA	2:A:9:LYS:HB3	3	0.21
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG11	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG12	2	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG13	2	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG11	3	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG12	3	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG13	3	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG11	4	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG12	4	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG13	4	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG11	5	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG12	5	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG13	5	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG11	8	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG12	8	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG13	8	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG11	9	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG12	9	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG13	9	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG11	10	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG12	10	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG13	10	0.2
(2,164)	2:A:44:VAL:HG11	2:A:54:THR:H	1	0.2
(2,164)	2:A:44:VAL:HG12	2:A:54:THR:H	1	0.2
(2,164)	2:A:44:VAL:HG13	2:A:54:THR:H	1	0.2
(2,164)	2:A:44:VAL:HG11	2:A:54:THR:H	3	0.2
(2,164)	2:A:44:VAL:HG12	2:A:54:THR:H	3	0.2
(2,164)	2:A:44:VAL:HG13	2:A:54:THR:H	3	0.2
(1,275)	2:A:45:GLY:H	2:A:23:GLU:H	1	0.2
(1,275)	2:A:45:GLY:H	2:A:23:GLU:H	5	0.2
(1,275)	2:A:45:GLY:H	2:A:23:GLU:H	7	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C2	2	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C4	2	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C5	2	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C6	2	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N1	2	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N3	2	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C2	6	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C4	6	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C5	6	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C6	6	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N1	6	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N3	6	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C2	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C4	7	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C5	7	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C6	7	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N1	7	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N3	7	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C2	8	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C4	8	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C5	8	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C6	8	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N1	8	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N3	8	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C2	10	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C4	10	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C5	10	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C6	10	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N1	10	0.2
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N3	10	0.2
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C2	7	0.2
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C4	7	0.2
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C5	7	0.2
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:C6	7	0.2
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N1	7	0.2
(1,1766)	2:A:75:TRP:CZ3	1:B:2:DT:N3	7	0.2
(1,1268)	2:A:37:ARG:HA	2:A:37:ARG:HB2	6	0.2
(1,1268)	2:A:37:ARG:HA	2:A:37:ARG:HB2	10	0.2
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG11	1	0.19
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG12	1	0.19
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG13	1	0.19
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG11	6	0.19
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG12	6	0.19
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG13	6	0.19
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG11	7	0.19
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG12	7	0.19
(2,89)	2:A:73:ASN:H	2:A:17:VAL:HG13	7	0.19
(2,86)	2:A:68:VAL:H	2:A:95:GLU:HB2	1	0.19
(2,86)	2:A:68:VAL:H	2:A:95:GLU:HB2	2	0.19
(2,86)	2:A:68:VAL:H	2:A:95:GLU:HB2	3	0.19
(2,86)	2:A:68:VAL:H	2:A:95:GLU:HB2	4	0.19
(2,86)	2:A:68:VAL:H	2:A:95:GLU:HB2	6	0.19
(2,86)	2:A:68:VAL:H	2:A:95:GLU:HB2	7	0.19
(2,86)	2:A:68:VAL:H	2:A:95:GLU:HB2	9	0.19
(2,86)	2:A:68:VAL:H	2:A:95:GLU:HB2	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,164)	2:A:44:VAL:HG11	2:A:54:THR:H	10	0.19
(2,164)	2:A:44:VAL:HG12	2:A:54:THR:H	10	0.19
(2,164)	2:A:44:VAL:HG13	2:A:54:THR:H	10	0.19
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD11	1	0.19
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD12	1	0.19
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD13	1	0.19
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD11	1	0.19
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD12	1	0.19
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD13	1	0.19
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD11	1	0.19
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD12	1	0.19
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD13	1	0.19
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD11	7	0.19
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD12	7	0.19
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD13	7	0.19
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD11	7	0.19
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD12	7	0.19
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD13	7	0.19
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD11	7	0.19
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD12	7	0.19
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD13	7	0.19
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD11	8	0.19
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD12	8	0.19
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD13	8	0.19
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD11	8	0.19
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD12	8	0.19
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD13	8	0.19
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD11	8	0.19
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD12	8	0.19
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD13	8	0.19
(1,927)	2:A:101:PHE:HE1	2:A:20:ARG:HB3	4	0.19
(1,927)	2:A:101:PHE:HE2	2:A:20:ARG:HB3	4	0.19
(1,927)	2:A:101:PHE:HE1	2:A:20:ARG:HB3	6	0.19
(1,927)	2:A:101:PHE:HE2	2:A:20:ARG:HB3	6	0.19
(1,927)	2:A:101:PHE:HE1	2:A:20:ARG:HB3	9	0.19
(1,927)	2:A:101:PHE:HE2	2:A:20:ARG:HB3	9	0.19
(1,275)	2:A:45:GLY:H	2:A:23:GLU:H	2	0.19
(1,275)	2:A:45:GLY:H	2:A:23:GLU:H	3	0.19
(1,275)	2:A:45:GLY:H	2:A:23:GLU:H	4	0.19
(1,275)	2:A:45:GLY:H	2:A:23:GLU:H	6	0.19
(1,275)	2:A:45:GLY:H	2:A:23:GLU:H	8	0.19
(1,275)	2:A:45:GLY:H	2:A:23:GLU:H	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,275)	2:A:45:GLY:H	2:A:23:GLU:H	10	0.19
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C2	4	0.19
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C4	4	0.19
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C5	4	0.19
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C6	4	0.19
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N1	4	0.19
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N3	4	0.19
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C2	5	0.19
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C4	5	0.19
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C5	5	0.19
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:C6	5	0.19
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N1	5	0.19
(1,1772)	2:A:56:TRP:CZ3	1:B:3:DT:N3	5	0.19
(2,86)	2:A:68:VAL:H	2:A:95:GLU:HB2	5	0.18
(2,86)	2:A:68:VAL:H	2:A:95:GLU:HB2	8	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD11	2	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD12	2	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD13	2	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD11	2	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD12	2	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD13	2	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD11	2	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD12	2	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD13	2	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD11	3	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD12	3	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD13	3	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD11	3	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD12	3	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD13	3	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD11	3	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD12	3	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD13	3	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD11	4	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD12	4	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD13	4	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD11	4	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD12	4	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD13	4	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD11	4	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD12	4	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD13	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD11	5	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD12	5	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD13	5	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD11	5	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD12	5	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD13	5	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD11	5	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD12	5	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD13	5	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD11	6	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD12	6	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD13	6	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD11	6	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD12	6	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD13	6	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD11	6	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD12	6	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD13	6	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD11	9	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD12	9	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD13	9	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD11	9	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD12	9	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD13	9	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD11	9	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD12	9	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD13	9	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD11	10	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD12	10	0.18
(1,997)	2:A:12:MET:HE1	2:A:8:LEU:HD13	10	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD11	10	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD12	10	0.18
(1,997)	2:A:12:MET:HE2	2:A:8:LEU:HD13	10	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD11	10	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD12	10	0.18
(1,997)	2:A:12:MET:HE3	2:A:8:LEU:HD13	10	0.18
(1,927)	2:A:101:PHE:HE1	2:A:20:ARG:HB3	1	0.18
(1,927)	2:A:101:PHE:HE2	2:A:20:ARG:HB3	1	0.18
(1,927)	2:A:101:PHE:HE1	2:A:20:ARG:HB3	2	0.18
(1,927)	2:A:101:PHE:HE2	2:A:20:ARG:HB3	2	0.18
(1,927)	2:A:101:PHE:HE1	2:A:20:ARG:HB3	3	0.18
(1,927)	2:A:101:PHE:HE2	2:A:20:ARG:HB3	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,927)	2:A:101:PHE:HE1	2:A:20:ARG:HB3	7	0.18
(1,927)	2:A:101:PHE:HE2	2:A:20:ARG:HB3	7	0.18
(1,499)	2:A:73:ASN:H	2:A:72:GLU:HB2	1	0.18
(1,499)	2:A:73:ASN:H	2:A:72:GLU:HB2	2	0.18
(1,499)	2:A:73:ASN:H	2:A:72:GLU:HB2	3	0.18
(1,499)	2:A:73:ASN:H	2:A:72:GLU:HB2	4	0.18
(1,499)	2:A:73:ASN:H	2:A:72:GLU:HB2	5	0.18
(1,499)	2:A:73:ASN:H	2:A:72:GLU:HB2	7	0.18
(1,499)	2:A:73:ASN:H	2:A:72:GLU:HB2	8	0.18
(1,499)	2:A:73:ASN:H	2:A:72:GLU:HB2	9	0.18
(1,499)	2:A:73:ASN:H	2:A:72:GLU:HB2	10	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N1	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N3	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O2	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O3'	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4'	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O5'	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N1	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N3	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O2	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O3'	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4'	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O5'	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP1	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP2	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N1	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N3	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O2	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O3'	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4'	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O5'	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP1	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP2	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N1	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N3	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O2	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O3'	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4'	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O5'	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP1	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP2	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N1	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N3	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O2	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O3'	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4'	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O5'	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP1	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP2	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N1	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N3	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O2	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O3'	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4'	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O5'	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP1	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP2	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N1	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N3	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O2	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O3'	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4'	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O5'	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N1	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N3	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O2	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O3'	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4'	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O5'	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP1	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP2	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N1	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N3	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O2	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O3'	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4'	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O5'	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP1	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP2	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N1	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N3	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O2	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O3'	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4'	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O5'	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP1	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP2	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N1	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N3	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O2	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O3'	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4'	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O5'	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP1	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP2	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N1	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N3	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O2	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O3'	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4'	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O5'	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP1	1	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP2	1	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N1	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N3	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O2	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O3'	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4'	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O5'	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N1	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N3	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O2	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O3'	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4'	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O5'	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP1	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP2	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N1	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N3	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O2	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O3'	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4'	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O5'	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP1	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP2	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N1	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N3	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O2	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O3'	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4'	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O5'	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP1	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP2	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N1	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N3	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O2	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O3'	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4'	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O5'	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP1	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP2	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N1	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N3	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O2	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O3'	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4'	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O5'	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP1	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP2	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N1	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N3	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O2	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O3'	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4'	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O5'	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N1	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N3	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O2	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O3'	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4'	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O5'	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP1	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP2	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N1	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N3	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O2	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O3'	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4'	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O5'	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP1	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP2	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N1	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N3	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O2	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O3'	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4'	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O5'	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP1	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP2	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N1	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N3	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O2	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O3'	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4'	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O5'	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP1	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP2	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N1	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N3	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O2	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O3'	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4'	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O5'	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP1	5	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP2	5	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N1	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N3	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O2	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O3'	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4'	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O5'	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N1	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N3	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O2	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O3'	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4'	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O5'	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP1	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP2	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N1	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N3	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O2	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O3'	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4'	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O5'	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP1	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP2	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N1	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N3	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O2	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O3'	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4'	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O5'	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP1	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP2	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N1	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N3	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O2	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O3'	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4'	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O5'	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP1	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP2	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N1	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N3	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O2	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O3'	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4'	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O5'	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP1	9	0.18
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP2	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N1	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N3	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O2	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O3'	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4'	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O5'	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N1	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N3	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O2	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O3'	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4'	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O5'	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP1	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP2	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N1	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N3	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O2	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O3'	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4'	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O5'	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP1	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP2	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N1	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N3	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O2	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O3'	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4'	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O5'	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP1	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP2	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N1	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N3	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O2	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O3'	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4'	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O5'	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP1	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP2	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N1	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N3	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O2	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O3'	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4'	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O5'	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP1	9	0.18
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP2	9	0.18
(1,927)	2:A:101:PHE:HE1	2:A:20:ARG:HB3	5	0.17
(1,927)	2:A:101:PHE:HE2	2:A:20:ARG:HB3	5	0.17
(1,927)	2:A:101:PHE:HE1	2:A:20:ARG:HB3	8	0.17
(1,927)	2:A:101:PHE:HE2	2:A:20:ARG:HB3	8	0.17
(1,927)	2:A:101:PHE:HE1	2:A:20:ARG:HB3	10	0.17
(1,927)	2:A:101:PHE:HE2	2:A:20:ARG:HB3	10	0.17
(1,499)	2:A:73:ASN:H	2:A:72:GLU:HB2	6	0.17
(1,953)	2:A:107:ILE:HD11	2:A:106:GLN:HB3	1	0.16
(1,953)	2:A:107:ILE:HD12	2:A:106:GLN:HB3	1	0.16
(1,953)	2:A:107:ILE:HD13	2:A:106:GLN:HB3	1	0.16
(1,953)	2:A:107:ILE:HD11	2:A:106:GLN:HB3	2	0.16
(1,953)	2:A:107:ILE:HD12	2:A:106:GLN:HB3	2	0.16
(1,953)	2:A:107:ILE:HD13	2:A:106:GLN:HB3	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,953)	2:A:107:ILE:HD11	2:A:106:GLN:HB3	3	0.16
(1,953)	2:A:107:ILE:HD12	2:A:106:GLN:HB3	3	0.16
(1,953)	2:A:107:ILE:HD13	2:A:106:GLN:HB3	3	0.16
(1,953)	2:A:107:ILE:HD11	2:A:106:GLN:HB3	4	0.16
(1,953)	2:A:107:ILE:HD12	2:A:106:GLN:HB3	4	0.16
(1,953)	2:A:107:ILE:HD13	2:A:106:GLN:HB3	4	0.16
(1,953)	2:A:107:ILE:HD11	2:A:106:GLN:HB3	5	0.16
(1,953)	2:A:107:ILE:HD12	2:A:106:GLN:HB3	5	0.16
(1,953)	2:A:107:ILE:HD13	2:A:106:GLN:HB3	5	0.16
(1,953)	2:A:107:ILE:HD11	2:A:106:GLN:HB3	6	0.16
(1,953)	2:A:107:ILE:HD12	2:A:106:GLN:HB3	6	0.16
(1,953)	2:A:107:ILE:HD13	2:A:106:GLN:HB3	6	0.16
(1,953)	2:A:107:ILE:HD11	2:A:106:GLN:HB3	7	0.16
(1,953)	2:A:107:ILE:HD12	2:A:106:GLN:HB3	7	0.16
(1,953)	2:A:107:ILE:HD13	2:A:106:GLN:HB3	7	0.16
(1,953)	2:A:107:ILE:HD11	2:A:106:GLN:HB3	8	0.16
(1,953)	2:A:107:ILE:HD12	2:A:106:GLN:HB3	8	0.16
(1,953)	2:A:107:ILE:HD13	2:A:106:GLN:HB3	8	0.16
(1,953)	2:A:107:ILE:HD11	2:A:106:GLN:HB3	9	0.16
(1,953)	2:A:107:ILE:HD12	2:A:106:GLN:HB3	9	0.16
(1,953)	2:A:107:ILE:HD13	2:A:106:GLN:HB3	9	0.16
(1,953)	2:A:107:ILE:HD11	2:A:106:GLN:HB3	10	0.16
(1,953)	2:A:107:ILE:HD12	2:A:106:GLN:HB3	10	0.16
(1,953)	2:A:107:ILE:HD13	2:A:106:GLN:HB3	10	0.16
(1,854)	2:A:96:ALA:H	2:A:95:GLU:HG2	2	0.16
(1,854)	2:A:96:ALA:H	2:A:95:GLU:HG2	4	0.16
(1,854)	2:A:96:ALA:H	2:A:95:GLU:HG2	9	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N1	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N3	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O2	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O3'	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4'	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O5'	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N1	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N3	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O2	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O3'	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4'	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O5'	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP1	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP2	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N1	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N3	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O2	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O3'	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4'	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O5'	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP1	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP2	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N1	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N3	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O2	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O3'	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4'	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O5'	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP1	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP2	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N1	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N3	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O2	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O3'	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4'	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O5'	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP1	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP2	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N1	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N3	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O2	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O3'	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4'	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O5'	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP1	4	0.16
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP2	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N1	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N3	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O2	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O3'	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4'	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O5'	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N1	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N3	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O2	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O3'	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4'	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O5'	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP1	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP2	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N1	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N3	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O2	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O3'	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4'	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O5'	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP1	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP2	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N1	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N3	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O2	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O3'	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4'	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O5'	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP1	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP2	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N1	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N3	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O2	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O3'	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4'	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O5'	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP1	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP2	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N1	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N3	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O2	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O3'	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4'	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O5'	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP1	4	0.16
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP2	4	0.16
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG11	1	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG12	1	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG13	1	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG11	2	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG12	2	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG13	2	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG11	3	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG12	3	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG13	3	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG11	4	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG12	4	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG13	4	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG11	5	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG12	5	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG13	5	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG11	6	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG12	6	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG13	6	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG11	7	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG12	7	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG13	7	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG11	8	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG12	8	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG13	8	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG11	9	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG12	9	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG13	9	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG11	10	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG12	10	0.15
(2,85)	2:A:67:GLN:H	2:A:68:VAL:HG13	10	0.15
(1,881)	2:A:59:HIS:HD2	2:A:88:GLY:HA3	1	0.15
(1,854)	2:A:96:ALA:H	2:A:95:GLU:HG2	1	0.15
(1,854)	2:A:96:ALA:H	2:A:95:GLU:HG2	3	0.15
(1,854)	2:A:96:ALA:H	2:A:95:GLU:HG2	5	0.15
(1,854)	2:A:96:ALA:H	2:A:95:GLU:HG2	6	0.15
(1,854)	2:A:96:ALA:H	2:A:95:GLU:HG2	7	0.15
(1,854)	2:A:96:ALA:H	2:A:95:GLU:HG2	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,854)	2:A:96:ALA:H	2:A:95:GLU:HG2	10	0.15
(1,767)	2:A:11:ASN:H	2:A:10:PRO:HB3	1	0.15
(1,767)	2:A:11:ASN:H	2:A:10:PRO:HB3	2	0.15
(1,767)	2:A:11:ASN:H	2:A:10:PRO:HB3	3	0.15
(1,767)	2:A:11:ASN:H	2:A:10:PRO:HB3	5	0.15
(1,767)	2:A:11:ASN:H	2:A:10:PRO:HB3	9	0.15
(1,767)	2:A:11:ASN:H	2:A:10:PRO:HB3	10	0.15
(1,1687)	2:A:27:ALA:HB1	2:A:61:GLY:HA2	1	0.15
(1,1687)	2:A:27:ALA:HB2	2:A:61:GLY:HA2	1	0.15
(1,1687)	2:A:27:ALA:HB3	2:A:61:GLY:HA2	1	0.15
(1,767)	2:A:11:ASN:H	2:A:10:PRO:HB3	4	0.14
(1,767)	2:A:11:ASN:H	2:A:10:PRO:HB3	6	0.14
(1,767)	2:A:11:ASN:H	2:A:10:PRO:HB3	7	0.14
(1,767)	2:A:11:ASN:H	2:A:10:PRO:HB3	8	0.14
(1,556)	2:A:79:PHE:H	2:A:79:PHE:HE1	7	0.14
(1,556)	2:A:79:PHE:H	2:A:79:PHE:HE2	7	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N1	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N3	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O2	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O3'	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4'	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O5'	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N1	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N3	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O2	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O3'	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4'	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O5'	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP1	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP2	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N1	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N3	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O2	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O3'	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4'	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O5'	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP1	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP2	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N1	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N3	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O2	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O3'	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4'	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O5'	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP1	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP2	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N1	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N3	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O2	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O3'	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4'	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O5'	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP1	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP2	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N1	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N3	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O2	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O3'	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4'	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O5'	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP1	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP2	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N1	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N3	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O2	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O3'	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4'	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O5'	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N1	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N3	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O2	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O3'	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4'	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O5'	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP1	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP2	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N1	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N3	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O2	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O3'	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4'	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O5'	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP1	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP2	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N1	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N3	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O2	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O3'	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4'	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O5'	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP1	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP2	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N1	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N3	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O2	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O3'	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4'	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O5'	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP1	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP2	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N1	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N3	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O2	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O3'	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4'	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O5'	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP1	2	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP2	2	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N1	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:N3	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O2	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O3'	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O4'	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD21	1:B:1:DT:O5'	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N1	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:N3	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O2	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O3'	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O4'	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:O5'	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP1	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:2:DT:OP2	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N1	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:N3	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O2	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O3'	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O4'	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:O5'	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP1	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:3:DT:OP2	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N1	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:N3	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O2	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O3'	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O4'	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:O5'	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP1	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:4:DT:OP2	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N1	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:N3	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O2	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O3'	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O4'	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:O5'	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP1	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:5:DT:OP2	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N1	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:N3	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O2	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O3'	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O4'	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:O5'	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP1	10	0.14
(1,1736)	2:A:86:ASN:HD21	1:B:6:DT:OP2	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N1	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:N3	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O2	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O3'	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O4'	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:1:DT:O5'	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N1	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:N3	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O2	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O3'	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O4'	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:O5'	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP1	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:2:DT:OP2	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N1	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:N3	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O2	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O3'	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O4'	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:O5'	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP1	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:3:DT:OP2	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N1	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:N3	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O2	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O3'	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O4'	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:O5'	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP1	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:4:DT:OP2	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N1	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:N3	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O2	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O3'	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O4'	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:O5'	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP1	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:5:DT:OP2	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N1	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:N3	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O2	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O3'	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O4'	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:O5'	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP1	10	0.14
(1,1736)	2:A:86:ASN:HD22	1:B:6:DT:OP2	10	0.14
(1,1687)	2:A:27:ALA:HB1	2:A:61:GLY:HA2	2	0.14
(1,1687)	2:A:27:ALA:HB2	2:A:61:GLY:HA2	2	0.14
(1,1687)	2:A:27:ALA:HB3	2:A:61:GLY:HA2	2	0.14
(1,1687)	2:A:27:ALA:HB1	2:A:61:GLY:HA2	7	0.14
(1,1687)	2:A:27:ALA:HB2	2:A:61:GLY:HA2	7	0.14
(1,1687)	2:A:27:ALA:HB3	2:A:61:GLY:HA2	7	0.14
(1,1687)	2:A:27:ALA:HB1	2:A:61:GLY:HA2	8	0.14
(1,1687)	2:A:27:ALA:HB2	2:A:61:GLY:HA2	8	0.14
(1,1687)	2:A:27:ALA:HB3	2:A:61:GLY:HA2	8	0.14
(1,1687)	2:A:27:ALA:HB1	2:A:61:GLY:HA2	9	0.14
(1,1687)	2:A:27:ALA:HB2	2:A:61:GLY:HA2	9	0.14
(1,1687)	2:A:27:ALA:HB3	2:A:61:GLY:HA2	9	0.14
(1,1687)	2:A:27:ALA:HB1	2:A:61:GLY:HA2	10	0.14
(1,1687)	2:A:27:ALA:HB2	2:A:61:GLY:HA2	10	0.14
(1,1687)	2:A:27:ALA:HB3	2:A:61:GLY:HA2	10	0.14
(1,1024)	2:A:44:VAL:HG11	2:A:44:VAL:H	6	0.14
(1,1024)	2:A:44:VAL:HG12	2:A:44:VAL:H	6	0.14
(1,1024)	2:A:44:VAL:HG13	2:A:44:VAL:H	6	0.14
(1,881)	2:A:59:HIS:HD2	2:A:88:GLY:HA3	2	0.13
(1,881)	2:A:59:HIS:HD2	2:A:88:GLY:HA3	3	0.13
(1,881)	2:A:59:HIS:HD2	2:A:88:GLY:HA3	10	0.13
(1,19)	2:A:4:LYS:H	2:A:7:ASN:HD22	1	0.13
(1,19)	2:A:4:LYS:H	2:A:7:ASN:HD22	2	0.13
(1,19)	2:A:4:LYS:H	2:A:7:ASN:HD22	3	0.13
(1,19)	2:A:4:LYS:H	2:A:7:ASN:HD22	4	0.13
(1,19)	2:A:4:LYS:H	2:A:7:ASN:HD22	5	0.13
(1,19)	2:A:4:LYS:H	2:A:7:ASN:HD22	6	0.13
(1,19)	2:A:4:LYS:H	2:A:7:ASN:HD22	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,19)	2:A:4:LYS:H	2:A:7:ASN:HD22	8	0.13
(1,19)	2:A:4:LYS:H	2:A:7:ASN:HD22	9	0.13
(1,19)	2:A:4:LYS:H	2:A:7:ASN:HD22	10	0.13
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG21	3	0.13
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG22	3	0.13
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG23	3	0.13
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG21	3	0.13
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG22	3	0.13
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG23	3	0.13
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG21	3	0.13
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG22	3	0.13
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG23	3	0.13
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG21	5	0.13
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG22	5	0.13
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG23	5	0.13
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG21	5	0.13
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG22	5	0.13
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG23	5	0.13
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG21	5	0.13
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG22	5	0.13
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG23	5	0.13
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG21	6	0.13
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG22	6	0.13
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG23	6	0.13
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG21	6	0.13
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG22	6	0.13
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG23	6	0.13
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG21	6	0.13
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG22	6	0.13
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG23	6	0.13
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG21	7	0.13
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG22	7	0.13
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG23	7	0.13
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG21	7	0.13
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG22	7	0.13
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG23	7	0.13
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG21	7	0.13
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG22	7	0.13
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG23	7	0.13
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG21	9	0.13
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG22	9	0.13
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG23	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG21	9	0.13
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG22	9	0.13
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG23	9	0.13
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG21	9	0.13
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG22	9	0.13
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG23	9	0.13
(1,1687)	2:A:27:ALA:HB1	2:A:61:GLY:HA2	3	0.13
(1,1687)	2:A:27:ALA:HB2	2:A:61:GLY:HA2	3	0.13
(1,1687)	2:A:27:ALA:HB3	2:A:61:GLY:HA2	3	0.13
(1,1687)	2:A:27:ALA:HB1	2:A:61:GLY:HA2	4	0.13
(1,1687)	2:A:27:ALA:HB2	2:A:61:GLY:HA2	4	0.13
(1,1687)	2:A:27:ALA:HB3	2:A:61:GLY:HA2	4	0.13
(1,1687)	2:A:27:ALA:HB1	2:A:61:GLY:HA2	5	0.13
(1,1687)	2:A:27:ALA:HB2	2:A:61:GLY:HA2	5	0.13
(1,1687)	2:A:27:ALA:HB3	2:A:61:GLY:HA2	5	0.13
(1,1687)	2:A:27:ALA:HB1	2:A:61:GLY:HA2	6	0.13
(1,1687)	2:A:27:ALA:HB2	2:A:61:GLY:HA2	6	0.13
(1,1687)	2:A:27:ALA:HB3	2:A:61:GLY:HA2	6	0.13
(1,1391)	2:A:54:THR:HG21	2:A:54:THR:H	1	0.13
(1,1391)	2:A:54:THR:HG22	2:A:54:THR:H	1	0.13
(1,1391)	2:A:54:THR:HG23	2:A:54:THR:H	1	0.13
(1,1024)	2:A:44:VAL:HG11	2:A:44:VAL:H	3	0.13
(1,1024)	2:A:44:VAL:HG12	2:A:44:VAL:H	3	0.13
(1,1024)	2:A:44:VAL:HG13	2:A:44:VAL:H	3	0.13
(1,1024)	2:A:44:VAL:HG11	2:A:44:VAL:H	4	0.13
(1,1024)	2:A:44:VAL:HG12	2:A:44:VAL:H	4	0.13
(1,1024)	2:A:44:VAL:HG13	2:A:44:VAL:H	4	0.13
(1,1024)	2:A:44:VAL:HG11	2:A:44:VAL:H	5	0.13
(1,1024)	2:A:44:VAL:HG12	2:A:44:VAL:H	5	0.13
(1,1024)	2:A:44:VAL:HG13	2:A:44:VAL:H	5	0.13
(1,1024)	2:A:44:VAL:HG11	2:A:44:VAL:H	7	0.13
(1,1024)	2:A:44:VAL:HG12	2:A:44:VAL:H	7	0.13
(1,1024)	2:A:44:VAL:HG13	2:A:44:VAL:H	7	0.13
(1,1024)	2:A:44:VAL:HG11	2:A:44:VAL:H	9	0.13
(1,1024)	2:A:44:VAL:HG12	2:A:44:VAL:H	9	0.13
(1,1024)	2:A:44:VAL:HG13	2:A:44:VAL:H	9	0.13
(2,93)	2:A:75:TRP:H	2:A:86:ASN:HD22	3	0.12
(1,881)	2:A:59:HIS:HD2	2:A:88:GLY:HA3	4	0.12
(1,881)	2:A:59:HIS:HD2	2:A:88:GLY:HA3	5	0.12
(1,881)	2:A:59:HIS:HD2	2:A:88:GLY:HA3	6	0.12
(1,881)	2:A:59:HIS:HD2	2:A:88:GLY:HA3	8	0.12
(1,556)	2:A:79:PHE:H	2:A:79:PHE:HE1	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,556)	2:A:79:PHE:H	2:A:79:PHE:HE2	1	0.12
(1,556)	2:A:79:PHE:H	2:A:79:PHE:HE1	2	0.12
(1,556)	2:A:79:PHE:H	2:A:79:PHE:HE2	2	0.12
(1,556)	2:A:79:PHE:H	2:A:79:PHE:HE1	6	0.12
(1,556)	2:A:79:PHE:H	2:A:79:PHE:HE2	6	0.12
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG21	2	0.12
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG22	2	0.12
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG23	2	0.12
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG21	2	0.12
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG22	2	0.12
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG23	2	0.12
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG21	2	0.12
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG22	2	0.12
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG23	2	0.12
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG21	4	0.12
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG22	4	0.12
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG23	4	0.12
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG21	4	0.12
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG22	4	0.12
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG23	4	0.12
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG21	4	0.12
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG22	4	0.12
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG23	4	0.12
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG21	8	0.12
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG22	8	0.12
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG23	8	0.12
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG21	8	0.12
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG22	8	0.12
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG23	8	0.12
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG21	8	0.12
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG22	8	0.12
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG23	8	0.12
(1,1391)	2:A:54:THR:HG21	2:A:54:THR:H	3	0.12
(1,1391)	2:A:54:THR:HG22	2:A:54:THR:H	3	0.12
(1,1391)	2:A:54:THR:HG23	2:A:54:THR:H	3	0.12
(1,1391)	2:A:54:THR:HG21	2:A:54:THR:H	4	0.12
(1,1391)	2:A:54:THR:HG22	2:A:54:THR:H	4	0.12
(1,1391)	2:A:54:THR:HG23	2:A:54:THR:H	4	0.12
(1,1391)	2:A:54:THR:HG21	2:A:54:THR:H	5	0.12
(1,1391)	2:A:54:THR:HG22	2:A:54:THR:H	5	0.12
(1,1391)	2:A:54:THR:HG23	2:A:54:THR:H	5	0.12
(1,1391)	2:A:54:THR:HG21	2:A:54:THR:H	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1391)	2:A:54:THR:HG22	2:A:54:THR:H	8	0.12
(1,1391)	2:A:54:THR:HG23	2:A:54:THR:H	8	0.12
(1,1391)	2:A:54:THR:HG21	2:A:54:THR:H	9	0.12
(1,1391)	2:A:54:THR:HG22	2:A:54:THR:H	9	0.12
(1,1391)	2:A:54:THR:HG23	2:A:54:THR:H	9	0.12
(1,1155)	2:A:16:ASN:HA	2:A:16:ASN:HB3	1	0.12
(1,1155)	2:A:16:ASN:HA	2:A:16:ASN:HB3	2	0.12
(1,1155)	2:A:16:ASN:HA	2:A:16:ASN:HB3	3	0.12
(1,1155)	2:A:16:ASN:HA	2:A:16:ASN:HB3	4	0.12
(1,1155)	2:A:16:ASN:HA	2:A:16:ASN:HB3	5	0.12
(1,1155)	2:A:16:ASN:HA	2:A:16:ASN:HB3	6	0.12
(1,1155)	2:A:16:ASN:HA	2:A:16:ASN:HB3	7	0.12
(1,1155)	2:A:16:ASN:HA	2:A:16:ASN:HB3	8	0.12
(1,1155)	2:A:16:ASN:HA	2:A:16:ASN:HB3	9	0.12
(1,1155)	2:A:16:ASN:HA	2:A:16:ASN:HB3	10	0.12
(1,111)	2:A:16:ASN:HD21	2:A:17:VAL:HB	1	0.12
(1,111)	2:A:16:ASN:HD21	2:A:17:VAL:HB	2	0.12
(1,111)	2:A:16:ASN:HD21	2:A:17:VAL:HB	3	0.12
(1,111)	2:A:16:ASN:HD21	2:A:17:VAL:HB	4	0.12
(1,111)	2:A:16:ASN:HD21	2:A:17:VAL:HB	5	0.12
(1,111)	2:A:16:ASN:HD21	2:A:17:VAL:HB	6	0.12
(1,111)	2:A:16:ASN:HD21	2:A:17:VAL:HB	7	0.12
(1,111)	2:A:16:ASN:HD21	2:A:17:VAL:HB	8	0.12
(1,111)	2:A:16:ASN:HD21	2:A:17:VAL:HB	9	0.12
(1,111)	2:A:16:ASN:HD21	2:A:17:VAL:HB	10	0.12
(1,1024)	2:A:44:VAL:HG11	2:A:44:VAL:H	1	0.12
(1,1024)	2:A:44:VAL:HG12	2:A:44:VAL:H	1	0.12
(1,1024)	2:A:44:VAL:HG13	2:A:44:VAL:H	1	0.12
(1,1024)	2:A:44:VAL:HG11	2:A:44:VAL:H	8	0.12
(1,1024)	2:A:44:VAL:HG12	2:A:44:VAL:H	8	0.12
(1,1024)	2:A:44:VAL:HG13	2:A:44:VAL:H	8	0.12
(2,290)	1:B:3:DT:H4'	2:A:56:TRP:HZ2	1	0.11
(1,881)	2:A:59:HIS:HD2	2:A:88:GLY:HA3	7	0.11
(1,881)	2:A:59:HIS:HD2	2:A:88:GLY:HA3	9	0.11
(1,556)	2:A:79:PHE:H	2:A:79:PHE:HE1	4	0.11
(1,556)	2:A:79:PHE:H	2:A:79:PHE:HE2	4	0.11
(1,556)	2:A:79:PHE:H	2:A:79:PHE:HE1	5	0.11
(1,556)	2:A:79:PHE:H	2:A:79:PHE:HE2	5	0.11
(1,556)	2:A:79:PHE:H	2:A:79:PHE:HE1	8	0.11
(1,556)	2:A:79:PHE:H	2:A:79:PHE:HE2	8	0.11
(1,556)	2:A:79:PHE:H	2:A:79:PHE:HE1	10	0.11
(1,556)	2:A:79:PHE:H	2:A:79:PHE:HE2	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1735)	2:A:54:THR:HG1	1:B:1:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:1:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:1:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:1:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:1:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:1:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:1:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:2:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:2:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:2:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:2:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:2:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:2:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:2:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:2:DT:OP1	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:2:DT:OP2	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:3:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:3:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:3:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:3:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:3:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:3:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:3:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:3:DT:OP1	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:3:DT:OP2	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:4:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:4:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:4:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:4:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:4:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:4:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:4:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:4:DT:OP1	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:4:DT:OP2	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:5:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:5:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:5:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:5:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:5:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:5:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:5:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:5:DT:OP1	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1735)	2:A:54:THR:HG1	1:B:5:DT:OP2	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:6:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:6:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:6:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:6:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:6:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:6:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:6:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:6:DT:OP1	1	0.11
(1,1735)	2:A:54:THR:HG1	1:B:6:DT:OP2	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:1:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:1:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:1:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:1:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:1:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:1:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:1:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:2:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:2:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:2:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:2:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:2:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:2:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:2:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:2:DT:OP1	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:2:DT:OP2	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:3:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:3:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:3:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:3:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:3:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:3:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:3:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:3:DT:OP1	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:3:DT:OP2	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:4:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:4:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:4:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:4:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:4:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:4:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:4:DT:O5'	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1735)	2:A:54:THR:HG21	1:B:4:DT:OP1	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:4:DT:OP2	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:5:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:5:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:5:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:5:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:5:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:5:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:5:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:5:DT:OP1	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:5:DT:OP2	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:6:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:6:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:6:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:6:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:6:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:6:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:6:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:6:DT:OP1	1	0.11
(1,1735)	2:A:54:THR:HG21	1:B:6:DT:OP2	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:1:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:1:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:1:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:1:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:1:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:1:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:1:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:2:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:2:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:2:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:2:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:2:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:2:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:2:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:2:DT:OP1	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:2:DT:OP2	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:3:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:3:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:3:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:3:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:3:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:3:DT:O4'	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1735)	2:A:54:THR:HG22	1:B:3:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:3:DT:OP1	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:3:DT:OP2	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:4:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:4:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:4:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:4:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:4:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:4:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:4:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:4:DT:OP1	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:4:DT:OP2	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:5:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:5:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:5:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:5:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:5:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:5:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:5:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:5:DT:OP1	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:5:DT:OP2	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:6:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:6:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:6:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:6:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:6:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:6:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:6:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:6:DT:OP1	1	0.11
(1,1735)	2:A:54:THR:HG22	1:B:6:DT:OP2	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:1:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:1:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:1:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:1:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:1:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:1:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:1:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:2:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:2:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:2:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:2:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:2:DT:O4	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1735)	2:A:54:THR:HG23	1:B:2:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:2:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:2:DT:OP1	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:2:DT:OP2	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:3:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:3:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:3:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:3:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:3:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:3:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:3:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:3:DT:OP1	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:3:DT:OP2	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:4:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:4:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:4:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:4:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:4:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:4:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:4:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:4:DT:OP1	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:4:DT:OP2	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:5:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:5:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:5:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:5:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:5:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:5:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:5:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:5:DT:OP1	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:5:DT:OP2	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:6:DT:N1	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:6:DT:N3	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:6:DT:O2	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:6:DT:O3'	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:6:DT:O4	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:6:DT:O4'	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:6:DT:O5'	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:6:DT:OP1	1	0.11
(1,1735)	2:A:54:THR:HG23	1:B:6:DT:OP2	1	0.11
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG21	1	0.11
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG22	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG23	1	0.11
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG21	1	0.11
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG22	1	0.11
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG23	1	0.11
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG21	1	0.11
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG22	1	0.11
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG23	1	0.11
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG21	10	0.11
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG22	10	0.11
(1,1725)	2:A:54:THR:HG21	2:A:30:ILE:HG23	10	0.11
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG21	10	0.11
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG22	10	0.11
(1,1725)	2:A:54:THR:HG22	2:A:30:ILE:HG23	10	0.11
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG21	10	0.11
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG22	10	0.11
(1,1725)	2:A:54:THR:HG23	2:A:30:ILE:HG23	10	0.11
(1,1674)	2:A:12:MET:HG3	2:A:9:LYS:HG3	7	0.11
(1,1674)	2:A:12:MET:HG3	2:A:9:LYS:HG2	7	0.11
(1,1674)	2:A:12:MET:HG2	2:A:9:LYS:HG3	7	0.11
(1,1391)	2:A:54:THR:HG21	2:A:54:THR:H	2	0.11
(1,1391)	2:A:54:THR:HG22	2:A:54:THR:H	2	0.11
(1,1391)	2:A:54:THR:HG23	2:A:54:THR:H	2	0.11
(1,1391)	2:A:54:THR:HG21	2:A:54:THR:H	6	0.11
(1,1391)	2:A:54:THR:HG22	2:A:54:THR:H	6	0.11
(1,1391)	2:A:54:THR:HG23	2:A:54:THR:H	6	0.11
(1,1391)	2:A:54:THR:HG21	2:A:54:THR:H	7	0.11
(1,1391)	2:A:54:THR:HG22	2:A:54:THR:H	7	0.11
(1,1391)	2:A:54:THR:HG23	2:A:54:THR:H	7	0.11
(1,1391)	2:A:54:THR:HG21	2:A:54:THR:H	10	0.11
(1,1391)	2:A:54:THR:HG22	2:A:54:THR:H	10	0.11
(1,1391)	2:A:54:THR:HG23	2:A:54:THR:H	10	0.11

10 Dihedral-angle violation analysis

No dihedral-angle restraints found