wwPDB NMR Structure Validation Summary Report

Jun 4, 2023 – 02:58 AM EDT

PDB ID	:	7RSE
BMRB ID	:	30734
Title	:	NMR-driven structure of the KRAS4B-G12D "alpha-beta" dimer on a lipid bilayer nanodisc
Authors	:	Lee, K.; Enomoto, M.; Gebregiworgis, T.; Gasmi-Seabrook, G.M.; Ikura, M.; Marshall, C.B.
Deposited on	:	2021-08-11

This is a wwPDB NMR Structure Validation Summary 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 (i) 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 (i)) were used in the production of this report:

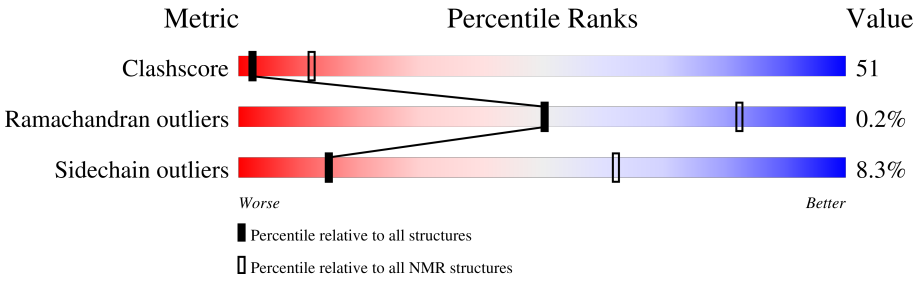
MolProbity	:	4.02b-467
Mogul	:	1.8.5 (274361), CSD as541be (2020)
buster-report	:	1.1.7 (2018)
Percentile statistics	:	20191225.v01 (using entries in the PDB archive December 25th 2019)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints 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 1%.

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 <=5%

Mol	Chain	Length	Quality of chain
1	A	185	83% 10% 6% ·
1	B	185	78% 9% 11% ·
2	D	200	84% 9% 6%
2	E	200	83% 10% 6%

2 Ensemble composition and analysis

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

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

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	A:2-A:173, B:2-B:28, B:35-B:169 (334)	1.45	20
2	D:255-D:441, E:555-E:741 (374)	0.40	1

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

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

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

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

3 Entry composition (i)

There are 6 unique types of molecules in this entry. The entry contains 14322 atoms, of which 1540 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called GTPase KRas.

Mol	Chain	Residues	Atoms						Trace
1	A	183	Total	C	H	N	O	S	0
			1822	917	356	255	287	7	
1	B	183	Total	C	H	N	O	S	0
			1822	917	356	255	287	7	

There are 4 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	1	SER	-	expression tag	UNP P01116
A	12	ASP	GLY	engineered mutation	UNP P01116
B	1	SER	-	expression tag	UNP P01116
B	12	ASP	GLY	engineered mutation	UNP P01116

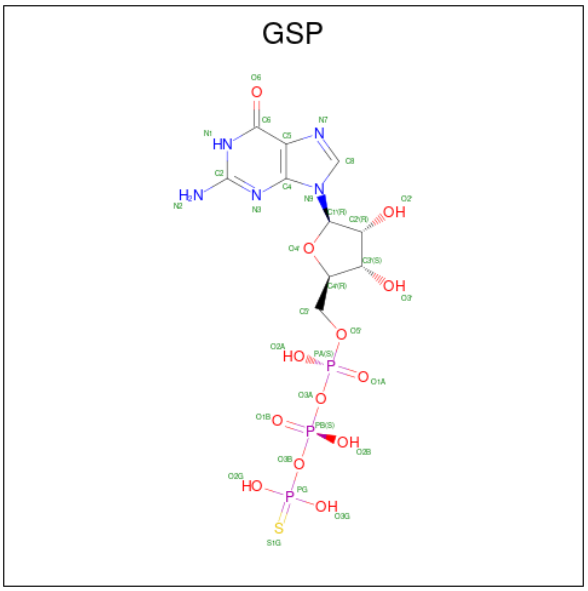
- Molecule 2 is a protein called Apolipoprotein A-I.

Mol	Chain	Residues	Atoms						Trace
2	D	187	Total	C	H	N	O	S	0
			1892	960	360	273	296	3	
2	E	187	Total	C	H	N	O	S	0
			1892	960	360	273	296	3	

There are 4 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
D	242	GLY	-	expression tag	UNP P02647
D	243	PRO	-	expression tag	UNP P02647
E	542	GLY	-	expression tag	UNP P02647
E	543	PRO	-	expression tag	UNP P02647

- Molecule 3 is 5'-GUANOSINE-DIPHOSPHATE-MONOTHIOPHOSPHATE (three-letter code: GSP) (formula: $C_{10}H_{16}N_5O_{13}P_3S$) (labeled as "Ligand of Interest" by depositor).

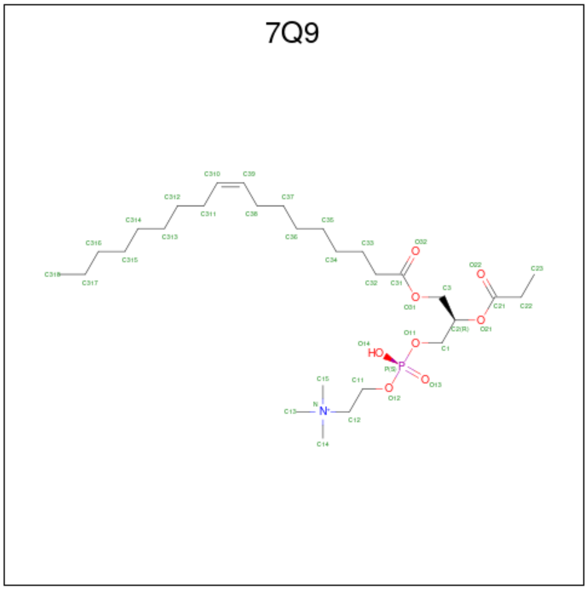


Mol	Chain	Residues	Atoms						
3	A	1	Total	C	H	N	O	P	S
			38	10	6	5	13	3	1
3	B	1	Total	C	H	N	O	P	S
			38	10	6	5	13	3	1

- Molecule 4 is MAGNESIUM ION (three-letter code: MG) (formula: Mg) (labeled as "Ligand of Interest" by depositor).

Mol	Chain	Residues	Atoms	
4	A	1	Total	Mg
			1	1
4	B	1	Total	Mg
			1	1

- Molecule 5 is [(2 {R})-3-[oxidanyl-[2-(trimethyl-$l^{4}-azanyl)ethoxy]phosphoryl]oxy-2-propanoyloxy-propyl] ({Z})-octadec-9-enoate (three-letter code: 7Q9) (formula: $C_{29}H_{57}NO_8P$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms
5	A	1	Total C N O P 39 29 1 8 1
5	A	1	Total C N O P 39 29 1 8 1
5	A	1	Total C N O P 39 29 1 8 1
5	A	1	Total C N O P 39 29 1 8 1
5	A	1	Total C N O P 39 29 1 8 1
5	A	1	Total C N O P 39 29 1 8 1
5	A	1	Total C N O P 39 29 1 8 1
5	A	1	Total C N O P 39 29 1 8 1
5	A	1	Total C N O P 39 29 1 8 1
5	A	1	Total C N O P 39 29 1 8 1
5	A	1	Total C N O P 39 29 1 8 1
5	A	1	Total C N O P 39 29 1 8 1
5	A	1	Total C N O P 39 29 1 8 1
5	B	1	Total C N O P 39 29 1 8 1

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Mol	Chain	Residues	Atoms				
5	B	1	Total 39	C 29	N 1	O 8	P 1
5	B	1	Total 39	C 29	N 1	O 8	P 1
5	B	1	Total 39	C 29	N 1	O 8	P 1
5	B	1	Total 39	C 29	N 1	O 8	P 1
5	B	1	Total 39	C 29	N 1	O 8	P 1
5	B	1	Total 39	C 29	N 1	O 8	P 1
5	B	1	Total 39	C 29	N 1	O 8	P 1
5	B	1	Total 39	C 29	N 1	O 8	P 1
5	B	1	Total 39	C 29	N 1	O 8	P 1
5	B	1	Total 39	C 29	N 1	O 8	P 1
5	B	1	Total 39	C 29	N 1	O 8	P 1
5	B	1	Total 39	C 29	N 1	O 8	P 1
5	B	1	Total 39	C 29	N 1	O 8	P 1
5	D	1	Total 39	C 29	N 1	O 8	P 1
5	D	1	Total 39	C 29	N 1	O 8	P 1
5	D	1	Total 39	C 29	N 1	O 8	P 1
5	D	1	Total 39	C 29	N 1	O 8	P 1
5	D	1	Total 39	C 29	N 1	O 8	P 1
5	D	1	Total 39	C 29	N 1	O 8	P 1
5	D	1	Total 39	C 29	N 1	O 8	P 1
5	D	1	Total 39	C 29	N 1	O 8	P 1

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Mol	Chain	Residues	Atoms				
5	D	1	Total	C	N	O	P
			39	29	1	8	1
5	D	1	Total	C	N	O	P
			39	29	1	8	1
5	D	1	Total	C	N	O	P
			39	29	1	8	1
5	D	1	Total	C	N	O	P
			39	29	1	8	1
5	D	1	Total	C	N	O	P
			39	29	1	8	1
5	D	1	Total	C	N	O	P
			39	29	1	8	1
5	D	1	Total	C	N	O	P
			39	29	1	8	1
5	D	1	Total	C	N	O	P
			39	29	1	8	1
5	D	1	Total	C	N	O	P
			39	29	1	8	1
5	D	1	Total	C	N	O	P
			39	29	1	8	1
5	D	1	Total	C	N	O	P
			39	29	1	8	1
5	D	1	Total	C	N	O	P
			39	29	1	8	1
5	D	1	Total	C	N	O	P
			39	29	1	8	1
5	D	1	Total	C	N	O	P
			39	29	1	8	1
5	D	1	Total	C	N	O	P
			39	29	1	8	1
5	D	1	Total	C	N	O	P
			39	29	1	8	1
5	D	1	Total	C	N	O	P
			39	29	1	8	1
5	D	1	Total	C	N	O	P
			39	29	1	8	1
5	D	1	Total	C	N	O	P
			39	29	1	8	1
5	D	1	Total	C	N	O	P
			39	29	1	8	1
5	D	1	Total	C	N	O	P
			39	29	1	8	1

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Mol	Chain	Residues	Atoms				
5	D	1	Total 39	C 29	N 1	O 8	P 1
5	D	1	Total 39	C 29	N 1	O 8	P 1
5	D	1	Total 39	C 29	N 1	O 8	P 1
5	D	1	Total 39	C 29	N 1	O 8	P 1
5	D	1	Total 39	C 29	N 1	O 8	P 1
5	D	1	Total 39	C 29	N 1	O 8	P 1
5	D	1	Total 39	C 29	N 1	O 8	P 1
5	D	1	Total 39	C 29	N 1	O 8	P 1
5	D	1	Total 39	C 29	N 1	O 8	P 1
5	D	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1

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Mol	Chain	Residues	Atoms				
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1

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Mol	Chain	Residues	Atoms				
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1
5	E	1	Total 39	C 29	N 1	O 8	P 1

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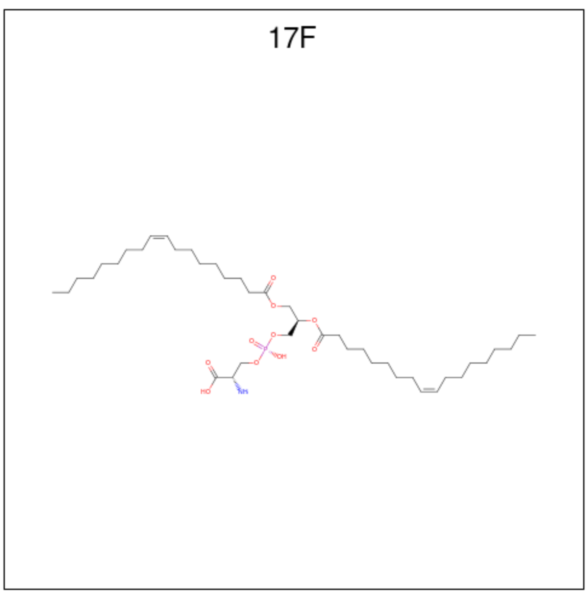
Mol	Chain	Residues	Atoms
5	E	1	Total C N O P 39 29 1 8 1
5	E	1	Total C N O P 39 29 1 8 1
5	E	1	Total C N O P 39 29 1 8 1
5	E	1	Total C N O P 39 29 1 8 1
5	E	1	Total C N O P 39 29 1 8 1
5	E	1	Total C N O P 39 29 1 8 1
5	E	1	Total C N O P 39 29 1 8 1
5	E	1	Total C N O P 39 29 1 8 1
5	E	1	Total C N O P 39 29 1 8 1

- Molecule 6 is O-[(S)-({(2R)-2,3-bis[(9Z)-octadec-9-enoyloxy]propyl}oxy)(hydroxy)phosphoryl]-L-serine (three-letter code: 17F) (formula: $C_{42}H_{78}NO_{10}P$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms
6	A	1	Total C H N O P 57 42 3 1 10 1

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Mol	Chain	Residues	Atoms
6	A	1	Total C H N O P 57 42 3 1 10 1
6	B	1	Total C H N O P 57 42 3 1 10 1
6	B	1	Total C H N O P 57 42 3 1 10 1
6	B	1	Total C H N O P 57 42 3 1 10 1
6	B	1	Total C H N O P 57 42 3 1 10 1
6	D	1	Total C H N O P 57 42 3 1 10 1
6	D	1	Total C H N O P 57 42 3 1 10 1
6	D	1	Total C H N O P 57 42 3 1 10 1
6	D	1	Total C H N O P 57 42 3 1 10 1
6	D	1	Total C H N O P 57 42 3 1 10 1
6	D	1	Total C H N O P 57 42 3 1 10 1
6	D	1	Total C H N O P 57 42 3 1 10 1
6	D	1	Total C H N O P 57 42 3 1 10 1
6	D	1	Total C H N O P 57 42 3 1 10 1
6	D	1	Total C H N O P 57 42 3 1 10 1
6	E	1	Total C H N O P 57 42 3 1 10 1
6	E	1	Total C H N O P 57 42 3 1 10 1
6	E	1	Total C H N O P 57 42 3 1 10 1
6	E	1	Total C H N O P 57 42 3 1 10 1
6	E	1	Total C H N O P 57 42 3 1 10 1
6	E	1	Total C H N O P 57 42 3 1 10 1

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Mol	Chain	Residues	Atoms					
6	E	1	Total 57	C 42	H 3	N 1	O 10	P 1
6	E	1	Total 57	C 42	H 3	N 1	O 10	P 1
6	E	1	Total 57	C 42	H 3	N 1	O 10	P 1
6	E	1	Total 57	C 42	H 3	N 1	O 10	P 1
6	E	1	Total 57	C 42	H 3	N 1	O 10	P 1
6	E	1	Total 57	C 42	H 3	N 1	O 10	P 1
6	E	1	Total 57	C 42	H 3	N 1	O 10	P 1
6	E	1	Total 57	C 42	H 3	N 1	O 10	P 1
6	E	1	Total 57	C 42	H 3	N 1	O 10	P 1
6	E	1	Total 57	C 42	H 3	N 1	O 10	P 1

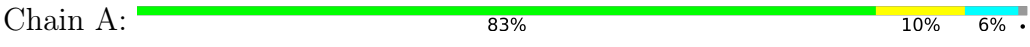
4 Residue-property plots

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: GTPase KRas

Chain A:



• Molecule 1: GTPase KRas

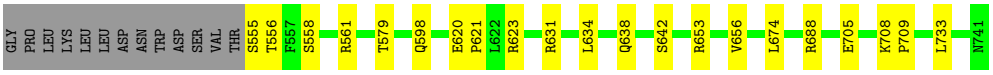
Chain B:

• Molecule 2: Apolipoprotein A-I

Chain D:

• Molecule 2: Apolipoprotein A-I

Chain E:

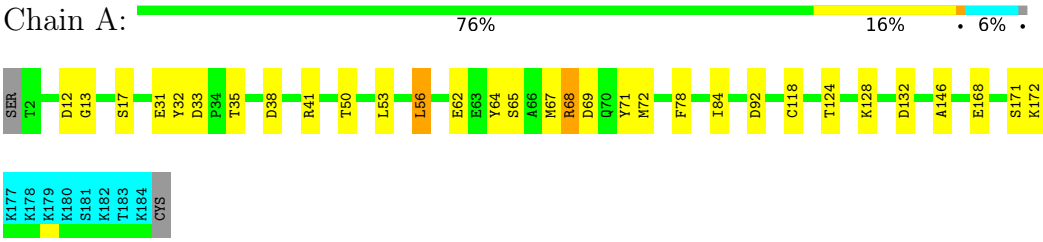


4.2 Residue scores for the representative (medoid) model from the NMR ensemble

The representative model is number 1. Colouring as in section 4.1 above.

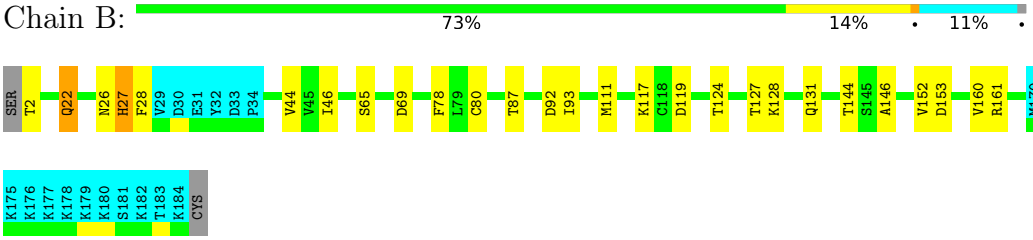
• Molecule 1: GTPase KRas

Chain A:



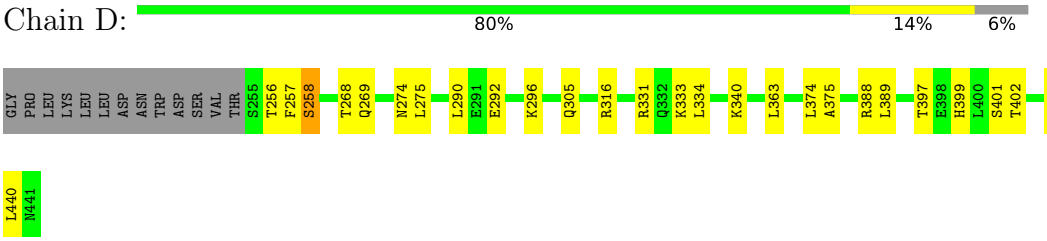
• Molecule 1: GTPase KRas

Chain B:



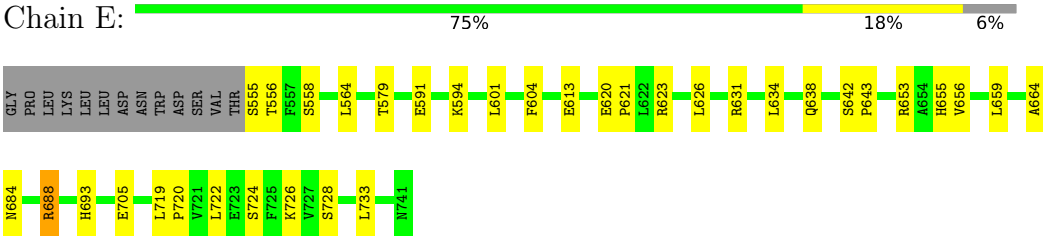
• Molecule 2: Apolipoprotein A-I

Chain D:



• Molecule 2: Apolipoprotein A-I

Chain E:



5 Refinement protocol and experimental data overview

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

Of the 1000 calculated structures, 20 were deposited, based on the following criterion: *structures with the lowest energy.*

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

Software name	Classification	Version
HADDOCK	refinement	
HADDOCK	structure calculation	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	154
Number of shifts mapped to atoms	61
Number of unparsed shifts	0
Number of shifts with mapping errors	93
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	1%

6 Model quality

6.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: MG, 7Q9, GSP, 17F

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	1377	319	1353	13±3
1	B	1295	305	1282	11±4
2	D	1532	360	1535	18±5
2	E	1532	360	1535	23±5
3	A	32	6	12	6±2
3	B	32	6	12	4±3
4	A	1	0	0	1±0
4	B	1	0	0	0±1
5	A	507	0	0	53±8
5	B	546	0	0	74±8
5	D	1521	0	0	172±16
5	E	2418	0	0	294±30
6	A	108	6	152	39±6
6	B	216	12	304	65±9
6	D	540	30	760	213±18
6	E	864	48	1216	253±58
All	All	250440	29040	163227	20905

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 51.

5 of 5862 unique clashes are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:510:17F:C9	6:D:516:17F:H9	1.24	1.62	17	14
6:D:510:17F:H9A	6:D:516:17F:C9	1.21	1.66	19	15
6:D:510:17F:C9	6:D:516:17F:H8A	1.19	1.67	12	5
6:D:516:17F:H47	6:D:516:17F:C22	1.17	1.68	5	1
6:D:510:17F:H19	6:D:527:17F:C19	1.16	1.70	1	6

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	171/185 (92%)	160±2 (93±1%)	10±2 (6±1%)	1±1 (0±1%)	38	78
1	B	161/185 (87%)	152±2 (95±1%)	9±2 (5±1%)	0±0 (0±0%)	54	85
2	D	185/200 (92%)	181±1 (98±1%)	4±1 (2±1%)	0±0 (0±0%)	50	82
2	E	185/200 (92%)	180±2 (97±1%)	4±2 (2±1%)	0±1 (0±0%)	54	85
All	All	14040/15400 (91%)	13467 (96%)	543 (4%)	30 (0%)	50	82

5 of 20 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	36	ILE	4
2	D	419	LEU	3
1	A	173	ASP	2
2	E	598	GLN	2
2	E	718	LEU	2

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	153/165 (93%)	138±2 (90±1%)	15±2 (10±1%)	12	58
1	B	143/165 (87%)	129±2 (90±2%)	14±2 (10±2%)	11	57
2	D	163/175 (93%)	151±3 (93±2%)	12±3 (7±2%)	17	65
2	E	163/175 (93%)	152±2 (93±1%)	11±2 (7±1%)	20	69
All	All	12440/13600 (91%)	11407 (92%)	1033 (8%)	15	62

5 of 239 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	128	LYS	19
2	D	316	ARG	18
2	E	556	THR	17
1	A	65	SER	16
1	B	65	SER	16

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)

Of 164 ligands modelled in this entry, 2 are monoatomic - leaving 162 for Mogul analysis.

In the following table, the Counts columns list the number of bonds for which Mogul statistics could be retrieved, the number of bonds that are observed in the model and the number of bonds that are defined in the chemical component dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length is the number of standard deviations the observed value is removed from the expected value. A bond length with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the average root-mean-square of all Z scores of the bond lengths.

Mol	Type	Chain	Res	Link	Bond lengths		
					Counts	RMSZ	#Z>2
5	7Q9	B	205	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	810	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	E	828	-	52,53,53	0.81±0.00	0±0 (0±0%)
6	17F	E	838	-	52,53,53	0.81±0.00	0±0 (0±0%)
6	17F	B	215	-	52,53,53	0.81±0.00	0±0 (0±0%)
5	7Q9	B	206	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	512	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	530	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	549	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	A	212	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	835	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	815	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	824	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	542	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	531	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	860	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	846	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	823	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	802	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	506	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	821	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	822	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	A	217	-	38,38,38	0.79±0.00	0±0 (0±0%)
3	GSP	B	201	4	26,34,34	1.32±0.02	3±1 (10±2%)
6	17F	A	208	-	52,53,53	0.81±0.00	0±0 (0±0%)
5	7Q9	B	220	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	545	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	813	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	839	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	840	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	837	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	834	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	536	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	875	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	502	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	514	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	806	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	869	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	D	511	-	52,53,53	0.81±0.00	0±0 (0±0%)
6	17F	E	841	-	52,53,53	0.81±0.00	0±0 (0±0%)
6	17F	D	527	-	52,53,53	0.81±0.00	0±0 (0±0%)
5	7Q9	E	852	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	B	211	-	38,38,38	0.79±0.00	0±0 (0±0%)

Mol	Type	Chain	Res	Link	Bond lengths		
					Counts	RMSZ	#Z>2
5	7Q9	E	863	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	548	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	D	533	-	52,53,53	0.81±0.00	0±0 (0±0%)
6	17F	E	818	-	52,53,53	0.81±0.00	0±0 (0±0%)
5	7Q9	A	209	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	830	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	843	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	541	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	B	216	-	38,38,38	0.79±0.00	0±0 (0±0%)
3	GSP	A	201	4	26,34,34	1.32±0.02	3±1 (11±2%)
6	17F	D	534	-	52,53,53	0.81±0.00	0±0 (0±0%)
6	17F	B	214	-	52,53,53	0.81±0.00	0±0 (0±0%)
5	7Q9	D	537	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	820	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	831	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	858	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	E	855	-	52,53,53	0.81±0.00	0±0 (0±0%)
5	7Q9	D	535	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	519	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	866	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	504	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	520	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	540	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	E	805	-	52,53,53	0.81±0.00	0±0 (0±0%)
5	7Q9	D	526	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	B	207	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	507	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	845	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	850	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	A	204	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	521	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	D	510	-	52,53,53	0.81±0.00	0±0 (0±0%)
5	7Q9	E	844	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	877	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	868	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	816	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	847	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	543	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	842	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	853	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	826	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	E	801	-	52,53,53	0.81±0.00	0±0 (0±0%)
5	7Q9	E	836	-	38,38,38	0.79±0.00	0±0 (0±0%)

Mol	Type	Chain	Res	Link	Bond lengths		
					Counts	RMSZ	#Z>2
5	7Q9	A	205	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	524	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	854	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	D	516	-	52,53,53	0.81±0.00	0±0 (0±0%)
6	17F	E	872	-	52,53,53	0.81±0.00	0±0 (0±0%)
6	17F	A	214	-	52,53,53	0.81±0.00	0±0 (0±0%)
5	7Q9	D	522	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	B	209	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	A	206	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	A	203	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	851	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	825	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	E	807	-	52,53,53	0.81±0.00	0±0 (0±0%)
6	17F	E	870	-	52,53,53	0.81±0.00	0±0 (0±0%)
5	7Q9	E	864	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	509	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	A	211	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	505	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	515	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	861	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	832	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	B	213	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	B	204	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	D	501	-	52,53,53	0.81±0.00	0±0 (0±0%)
5	7Q9	D	518	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	804	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	A	215	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	503	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	544	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	E	856	-	52,53,53	0.81±0.00	0±0 (0±0%)
5	7Q9	D	538	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	808	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	812	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	814	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	E	819	-	52,53,53	0.81±0.00	0±0 (0±0%)
6	17F	E	809	-	52,53,53	0.81±0.00	0±0 (0±0%)
5	7Q9	D	525	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	876	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	A	216	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	848	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	867	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	532	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	547	-	38,38,38	0.79±0.00	0±0 (0±0%)

Mol	Type	Chain	Res	Link	Bond lengths		
					Counts	RMSZ	#Z>2
6	17F	D	546	-	52,53,53	0.81±0.00	0±0 (0±0%)
5	7Q9	A	207	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	873	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	871	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	D	528	-	52,53,53	0.81±0.00	0±0 (0±0%)
5	7Q9	B	212	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	513	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	878	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	862	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	829	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	849	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	B	218	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	A	210	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	B	210	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	865	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	E	874	-	52,53,53	0.81±0.00	0±0 (0±0%)
5	7Q9	E	833	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	B	219	-	52,53,53	0.81±0.00	0±0 (0±0%)
6	17F	D	517	-	52,53,53	0.81±0.00	0±0 (0±0%)
5	7Q9	B	203	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	523	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	B	208	-	52,53,53	0.81±0.00	0±0 (0±0%)
5	7Q9	A	213	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	E	811	-	52,53,53	0.81±0.00	0±0 (0±0%)
5	7Q9	D	539	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	827	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	E	817	-	52,53,53	0.81±0.00	0±0 (0±0%)
5	7Q9	E	859	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	508	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	857	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	529	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	803	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	B	217	-	38,38,38	0.79±0.00	0±0 (0±0%)

In the following table, the Counts columns list the number of angles for which Mogul statistics could be retrieved, the number of angles that are observed in the model and the number of angles that are defined in the chemical component dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond angle is the number of standard deviations the observed value is removed from the expected value. A bond angle with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the average root-mean-square of all Z scores of the bond angles.

Mol	Type	Chain	Res	Link	Bond angles		
					Counts	RMSZ	#Z>2
5	7Q9	B	205	-	44,46,46	1.00±0.02	3±0 (6±0%)
5	7Q9	E	810	-	44,46,46	1.04±0.02	3±0 (7±0%)
6	17F	E	828	-	56,60,60	1.09±0.02	4±0 (7±0%)
6	17F	E	838	-	56,60,60	1.11±0.04	5±0 (8±0%)
6	17F	B	215	-	56,60,60	1.11±0.02	4±0 (7±0%)
5	7Q9	B	206	-	44,46,46	1.02±0.02	3±0 (6±0%)
5	7Q9	D	512	-	44,46,46	1.04±0.02	3±0 (6±0%)
5	7Q9	D	530	-	44,46,46	1.03±0.02	3±0 (7±1%)
5	7Q9	D	549	-	44,46,46	1.04±0.01	3±0 (6±0%)
5	7Q9	A	212	-	44,46,46	1.02±0.02	3±0 (6±0%)
5	7Q9	E	835	-	44,46,46	1.00±0.02	3±0 (6±0%)
5	7Q9	E	815	-	44,46,46	1.00±0.03	3±0 (7±0%)
5	7Q9	E	824	-	44,46,46	1.01±0.03	3±0 (7±0%)
5	7Q9	D	542	-	44,46,46	1.05±0.02	4±0 (8±0%)
5	7Q9	D	531	-	44,46,46	1.03±0.03	4±0 (8±1%)
5	7Q9	E	860	-	44,46,46	1.04±0.02	3±0 (7±0%)
5	7Q9	E	846	-	44,46,46	1.05±0.01	4±0 (8±1%)
5	7Q9	E	823	-	44,46,46	1.04±0.01	3±0 (6±0%)
5	7Q9	E	802	-	44,46,46	1.06±0.02	3±0 (7±0%)
5	7Q9	D	506	-	44,46,46	1.07±0.03	4±0 (8±1%)
5	7Q9	E	821	-	44,46,46	1.08±0.02	4±0 (9±0%)
5	7Q9	E	822	-	44,46,46	1.02±0.02	3±0 (6±0%)
5	7Q9	A	217	-	44,46,46	1.03±0.01	3±0 (6±0%)
3	GSP	B	201	4	27,54,54	1.51±0.03	5±1 (18±3%)
6	17F	A	208	-	56,60,60	1.09±0.03	4±0 (7±0%)
5	7Q9	B	220	-	44,46,46	1.03±0.01	3±0 (6±0%)
5	7Q9	D	545	-	44,46,46	1.05±0.02	4±0 (8±1%)
5	7Q9	E	813	-	44,46,46	1.04±0.02	3±0 (6±0%)
5	7Q9	E	839	-	44,46,46	1.03±0.02	3±0 (7±1%)
5	7Q9	E	840	-	44,46,46	0.99±0.03	3±0 (6±0%)
5	7Q9	E	837	-	44,46,46	1.06±0.03	4±0 (8±0%)
5	7Q9	E	834	-	44,46,46	1.04±0.02	3±0 (7±0%)
5	7Q9	D	536	-	44,46,46	1.03±0.02	3±0 (7±0%)
5	7Q9	E	875	-	44,46,46	1.02±0.02	3±0 (6±0%)
5	7Q9	D	502	-	44,46,46	1.03±0.01	3±0 (6±0%)

Mol	Type	Chain	Res	Link	Bond angles		
					Counts	RMSZ	#Z>2
5	7Q9	D	514	-	44,46,46	1.02±0.02	3±0 (7±0%)
5	7Q9	E	806	-	44,46,46	1.07±0.02	4±0 (8±0%)
5	7Q9	E	869	-	44,46,46	1.04±0.01	4±0 (8±1%)
6	17F	D	511	-	56,60,60	1.10±0.03	4±0 (7±0%)
6	17F	E	841	-	56,60,60	1.10±0.02	4±0 (7±0%)
6	17F	D	527	-	56,60,60	1.14±0.03	4±0 (7±0%)
5	7Q9	E	852	-	44,46,46	1.06±0.02	4±0 (8±0%)
5	7Q9	B	211	-	44,46,46	1.02±0.03	3±0 (7±0%)
5	7Q9	E	863	-	44,46,46	1.04±0.02	3±1 (7±1%)
5	7Q9	D	548	-	44,46,46	1.02±0.03	3±0 (6±0%)
6	17F	D	533	-	56,60,60	1.11±0.03	4±0 (7±0%)
6	17F	E	818	-	56,60,60	1.06±0.03	4±0 (7±0%)
5	7Q9	A	209	-	44,46,46	1.03±0.02	3±0 (7±1%)
5	7Q9	E	830	-	44,46,46	1.04±0.02	3±0 (6±0%)
5	7Q9	E	843	-	44,46,46	1.04±0.02	3±0 (7±0%)
5	7Q9	D	541	-	44,46,46	1.01±0.02	3±0 (6±0%)
5	7Q9	B	216	-	44,46,46	1.04±0.03	3±0 (7±1%)
3	GSP	A	201	4	27,54,54	1.55±0.02	6±1 (21±2%)
6	17F	D	534	-	56,60,60	1.14±0.02	4±0 (7±0%)
6	17F	B	214	-	56,60,60	1.11±0.05	4±0 (7±0%)
5	7Q9	D	537	-	44,46,46	1.04±0.02	3±0 (7±0%)
5	7Q9	E	820	-	44,46,46	1.02±0.02	3±0 (7±0%)
5	7Q9	E	831	-	44,46,46	1.03±0.02	3±0 (7±1%)
5	7Q9	E	858	-	44,46,46	1.03±0.02	3±0 (6±0%)
6	17F	E	855	-	56,60,60	1.10±0.02	4±0 (7±0%)
5	7Q9	D	535	-	44,46,46	1.04±0.02	3±0 (7±0%)
5	7Q9	D	519	-	44,46,46	1.04±0.02	3±0 (7±1%)
5	7Q9	E	866	-	44,46,46	1.01±0.02	3±0 (6±0%)
5	7Q9	D	504	-	44,46,46	1.04±0.03	3±0 (7±0%)
5	7Q9	D	520	-	44,46,46	1.06±0.02	4±0 (9±0%)
5	7Q9	D	540	-	44,46,46	1.05±0.01	4±0 (8±0%)
6	17F	E	805	-	56,60,60	1.11±0.04	4±0 (7±0%)
5	7Q9	D	526	-	44,46,46	1.12±0.02	4±0 (9±0%)
5	7Q9	B	207	-	44,46,46	1.02±0.02	3±0 (7±0%)
5	7Q9	D	507	-	44,46,46	1.05±0.02	3±0 (6±0%)

Mol	Type	Chain	Res	Link	Bond angles		
					Counts	RMSZ	#Z>2
5	7Q9	E	845	-	44,46,46	1.04±0.02	3±0 (7±1%)
5	7Q9	E	850	-	44,46,46	1.03±0.02	3±0 (7±0%)
5	7Q9	A	204	-	44,46,46	1.03±0.03	4±0 (7±1%)
5	7Q9	D	521	-	44,46,46	1.03±0.02	3±0 (7±0%)
6	17F	D	510	-	56,60,60	1.06±0.07	3±1 (6±1%)
5	7Q9	E	844	-	44,46,46	1.04±0.01	3±0 (7±1%)
5	7Q9	E	877	-	44,46,46	1.03±0.02	4±0 (8±1%)
5	7Q9	E	868	-	44,46,46	1.04±0.02	3±0 (7±1%)
5	7Q9	E	816	-	44,46,46	1.01±0.03	3±0 (7±0%)
5	7Q9	E	847	-	44,46,46	1.04±0.01	3±0 (6±0%)
5	7Q9	D	543	-	44,46,46	1.03±0.02	3±0 (7±1%)
5	7Q9	E	842	-	44,46,46	1.01±0.02	3±0 (7±0%)
5	7Q9	E	853	-	44,46,46	1.03±0.01	3±0 (6±0%)
5	7Q9	E	826	-	44,46,46	1.02±0.02	3±0 (6±0%)
6	17F	E	801	-	56,60,60	1.13±0.03	4±0 (7±0%)
5	7Q9	E	836	-	44,46,46	1.01±0.02	3±0 (7±1%)
5	7Q9	A	205	-	44,46,46	1.04±0.03	3±0 (7±0%)
5	7Q9	D	524	-	44,46,46	1.00±0.02	3±0 (7±0%)
5	7Q9	E	854	-	44,46,46	1.02±0.01	3±0 (6±0%)
6	17F	D	516	-	56,60,60	1.07±0.03	4±0 (7±0%)
6	17F	E	872	-	56,60,60	1.16±0.02	4±0 (7±0%)
6	17F	A	214	-	56,60,60	1.11±0.02	4±0 (7±0%)
5	7Q9	D	522	-	44,46,46	1.05±0.01	4±0 (8±0%)
5	7Q9	B	209	-	44,46,46	1.02±0.02	3±0 (7±0%)
5	7Q9	A	206	-	44,46,46	1.02±0.01	3±0 (7±0%)
5	7Q9	A	203	-	44,46,46	1.03±0.02	3±0 (7±0%)
5	7Q9	E	851	-	44,46,46	1.01±0.02	3±0 (6±0%)
5	7Q9	E	825	-	44,46,46	1.03±0.02	3±0 (7±0%)
6	17F	E	807	-	56,60,60	1.10±0.02	4±0 (7±0%)
6	17F	E	870	-	56,60,60	1.12±0.02	4±0 (7±0%)
5	7Q9	E	864	-	44,46,46	1.03±0.01	3±0 (7±0%)
5	7Q9	D	509	-	44,46,46	1.05±0.03	4±0 (8±0%)
5	7Q9	A	211	-	44,46,46	1.06±0.02	4±0 (8±1%)
5	7Q9	D	505	-	44,46,46	1.03±0.02	3±0 (6±0%)
5	7Q9	D	515	-	44,46,46	1.04±0.02	3±0 (7±0%)

Mol	Type	Chain	Res	Link	Bond angles		
					Counts	RMSZ	#Z>2
5	7Q9	E	861	-	44,46,46	1.02±0.02	3±0 (7±1%)
5	7Q9	E	832	-	44,46,46	1.03±0.02	3±0 (6±0%)
5	7Q9	B	213	-	44,46,46	1.03±0.02	3±0 (7±0%)
5	7Q9	B	204	-	44,46,46	1.03±0.02	3±0 (6±0%)
6	17F	D	501	-	56,60,60	1.11±0.06	5±1 (8±0%)
5	7Q9	D	518	-	44,46,46	1.03±0.02	3±0 (6±0%)
5	7Q9	E	804	-	44,46,46	1.04±0.02	4±0 (8±1%)
5	7Q9	A	215	-	44,46,46	1.02±0.02	3±0 (7±0%)
5	7Q9	D	503	-	44,46,46	1.04±0.02	3±0 (7±1%)
5	7Q9	D	544	-	44,46,46	1.04±0.01	3±0 (6±0%)
6	17F	E	856	-	56,60,60	1.16±0.05	4±0 (7±0%)
5	7Q9	D	538	-	44,46,46	1.03±0.02	3±0 (6±0%)
5	7Q9	E	808	-	44,46,46	0.99±0.02	3±0 (6±0%)
5	7Q9	E	812	-	44,46,46	1.06±0.02	4±0 (8±0%)
5	7Q9	E	814	-	44,46,46	1.04±0.02	3±0 (7±1%)
6	17F	E	819	-	56,60,60	1.07±0.05	4±0 (7±0%)
6	17F	E	809	-	56,60,60	1.17±0.02	5±0 (8±0%)
5	7Q9	D	525	-	44,46,46	1.00±0.02	3±0 (6±0%)
5	7Q9	E	876	-	44,46,46	1.03±0.02	3±0 (7±0%)
5	7Q9	A	216	-	44,46,46	1.04±0.02	3±0 (7±0%)
5	7Q9	E	848	-	44,46,46	1.03±0.01	3±0 (7±0%)
5	7Q9	E	867	-	44,46,46	1.03±0.02	3±0 (6±0%)
5	7Q9	D	532	-	44,46,46	1.02±0.02	3±0 (6±0%)
5	7Q9	D	547	-	44,46,46	1.04±0.03	3±0 (7±1%)
6	17F	D	546	-	56,60,60	1.11±0.02	5±0 (8±0%)
5	7Q9	A	207	-	44,46,46	1.04±0.02	3±0 (7±1%)
5	7Q9	E	873	-	44,46,46	1.02±0.01	3±0 (6±0%)
5	7Q9	E	871	-	44,46,46	1.01±0.02	3±0 (6±0%)
6	17F	D	528	-	56,60,60	1.11±0.02	5±0 (8±0%)
5	7Q9	B	212	-	44,46,46	1.04±0.02	4±0 (8±1%)
5	7Q9	D	513	-	44,46,46	1.05±0.02	4±0 (8±1%)
5	7Q9	E	878	-	44,46,46	1.04±0.01	3±0 (7±0%)
5	7Q9	E	862	-	44,46,46	1.04±0.02	3±0 (7±1%)
5	7Q9	E	829	-	44,46,46	1.02±0.02	3±0 (7±1%)
5	7Q9	E	849	-	44,46,46	1.03±0.01	3±0 (6±0%)

Mol	Type	Chain	Res	Link	Bond angles		
					Counts	RMSZ	#Z>2
5	7Q9	B	218	-	44,46,46	1.01±0.03	3±0 (7±0%)
5	7Q9	A	210	-	44,46,46	1.02±0.02	3±0 (7±0%)
5	7Q9	B	210	-	44,46,46	1.05±0.01	4±0 (8±1%)
5	7Q9	E	865	-	44,46,46	1.03±0.02	3±0 (6±0%)
6	17F	E	874	-	56,60,60	1.12±0.02	5±0 (8±0%)
5	7Q9	E	833	-	44,46,46	1.02±0.02	3±0 (7±1%)
6	17F	B	219	-	56,60,60	1.15±0.04	5±0 (8±0%)
6	17F	D	517	-	56,60,60	1.12±0.02	4±0 (7±0%)
5	7Q9	B	203	-	44,46,46	1.03±0.02	3±0 (7±0%)
5	7Q9	D	523	-	44,46,46	1.05±0.02	3±0 (6±0%)
6	17F	B	208	-	56,60,60	1.07±0.03	4±0 (7±0%)
5	7Q9	A	213	-	44,46,46	1.04±0.03	3±0 (7±0%)
6	17F	E	811	-	56,60,60	1.08±0.03	4±0 (7±0%)
5	7Q9	D	539	-	44,46,46	1.02±0.02	3±0 (7±0%)
5	7Q9	E	827	-	44,46,46	1.05±0.02	3±0 (7±0%)
6	17F	E	817	-	56,60,60	1.10±0.03	4±0 (7±0%)
5	7Q9	E	859	-	44,46,46	1.03±0.02	3±0 (6±0%)
5	7Q9	D	508	-	44,46,46	1.02±0.01	3±0 (6±0%)
5	7Q9	E	857	-	44,46,46	1.01±0.02	3±0 (6±0%)
5	7Q9	D	529	-	44,46,46	1.03±0.02	3±0 (7±1%)
5	7Q9	E	803	-	44,46,46	1.02±0.02	3±0 (7±0%)
5	7Q9	B	217	-	44,46,46	1.04±0.02	3±0 (7±1%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the chemical component dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
5	7Q9	B	211	-	-	0±0,42,42,42	-
5	7Q9	D	548	-	-	0±0,42,42,42	-
5	7Q9	D	541	-	-	0±0,42,42,42	-
5	7Q9	A	212	-	-	0±0,42,42,42	-
5	7Q9	E	831	-	-	0±0,42,42,42	-
5	7Q9	B	205	-	-	0±0,42,42,42	-
5	7Q9	E	816	-	-	0±0,42,42,42	-
6	17F	E	855	-	-	0±0,59,59,59	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
5	7Q9	E	864	-	-	0±0,42,42,42	-
6	17F	D	501	-	-	0±0,59,59,59	-
6	17F	E	807	-	-	0±0,59,59,59	-
6	17F	D	527	-	-	0±0,59,59,59	-
5	7Q9	D	540	-	-	0±0,42,42,42	-
6	17F	E	819	-	-	0±0,59,59,59	-
5	7Q9	E	846	-	-	0±0,42,42,42	-
5	7Q9	B	206	-	-	0±0,42,42,42	-
5	7Q9	D	530	-	-	0±0,42,42,42	-
6	17F	E	841	-	-	0±0,59,59,59	-
5	7Q9	D	526	-	-	0±0,42,42,42	-
5	7Q9	E	860	-	-	0±0,42,42,42	-
5	7Q9	E	821	-	-	0±0,42,42,42	-
5	7Q9	D	507	-	-	0±0,42,42,42	-
5	7Q9	D	539	-	-	0±0,42,42,42	-
5	7Q9	A	206	-	-	0±0,42,42,42	-
6	17F	D	516	-	-	0±0,59,59,59	-
5	7Q9	E	873	-	-	0±0,42,42,42	-
5	7Q9	D	514	-	-	0±0,42,42,42	-
3	GSP	A	201	4	-	0±0,17,38,38	0±0,3,3,3
5	7Q9	E	822	-	-	0±0,42,42,42	-
5	7Q9	D	504	-	-	0±0,42,42,42	-
5	7Q9	D	508	-	-	0±0,42,42,42	-
5	7Q9	E	830	-	-	0±0,42,42,42	-
5	7Q9	E	843	-	-	0±0,42,42,42	-
5	7Q9	E	826	-	-	0±0,42,42,42	-
5	7Q9	A	217	-	-	0±0,42,42,42	-
5	7Q9	D	529	-	-	0±0,42,42,42	-
6	17F	E	817	-	-	0±0,59,59,59	-
5	7Q9	A	211	-	-	0±0,42,42,42	-
5	7Q9	E	877	-	-	0±0,42,42,42	-
5	7Q9	D	512	-	-	0±0,42,42,42	-
5	7Q9	E	853	-	-	0±0,42,42,42	-
5	7Q9	D	542	-	-	0±0,42,42,42	-
5	7Q9	E	867	-	-	0±0,42,42,42	-
5	7Q9	B	207	-	-	0±0,42,42,42	-
5	7Q9	E	847	-	-	0±0,42,42,42	-
5	7Q9	D	525	-	-	0±0,42,42,42	-
5	7Q9	D	515	-	-	0±0,42,42,42	-
5	7Q9	E	857	-	-	0±0,42,42,42	-
5	7Q9	D	549	-	-	0±0,42,42,42	-
5	7Q9	E	850	-	-	0±0,42,42,42	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
5	7Q9	D	519	-	-	0±0,42,42,42	-
6	17F	E	801	-	-	0±0,59,59,59	-
5	7Q9	B	218	-	-	0±0,42,42,42	-
5	7Q9	E	840	-	-	0±0,42,42,42	-
5	7Q9	E	865	-	-	0±0,42,42,42	-
5	7Q9	E	815	-	-	0±0,42,42,42	-
5	7Q9	E	820	-	-	0±0,42,42,42	-
5	7Q9	E	803	-	-	0±0,42,42,42	-
6	17F	D	533	-	-	0±0,59,59,59	-
6	17F	E	818	-	-	0±0,59,59,59	-
5	7Q9	E	808	-	-	0±0,42,42,42	-
5	7Q9	E	823	-	-	0±0,42,42,42	-
5	7Q9	D	518	-	-	0±0,42,42,42	-
5	7Q9	B	217	-	-	0±0,42,42,42	-
5	7Q9	A	216	-	-	0±0,42,42,42	-
5	7Q9	E	835	-	-	0±0,42,42,42	-
5	7Q9	E	842	-	-	0±0,42,42,42	-
5	7Q9	E	827	-	-	0±0,42,42,42	-
5	7Q9	D	513	-	-	0±0,42,42,42	-
5	7Q9	D	505	-	-	0±0,42,42,42	-
5	7Q9	B	203	-	-	0±0,42,42,42	-
5	7Q9	B	204	-	-	0±0,42,42,42	-
6	17F	D	534	-	-	0±0,59,59,59	-
5	7Q9	B	209	-	-	0±0,42,42,42	-
5	7Q9	A	210	-	-	0±0,42,42,42	-
5	7Q9	D	503	-	-	0±0,42,42,42	-
5	7Q9	E	851	-	-	0±0,42,42,42	-
5	7Q9	E	861	-	-	0±0,42,42,42	-
6	17F	D	517	-	-	0±0,59,59,59	-
5	7Q9	E	802	-	-	0±0,42,42,42	-
5	7Q9	A	203	-	-	0±0,42,42,42	-
6	17F	E	805	-	-	0±0,59,59,59	-
5	7Q9	D	520	-	-	0±0,42,42,42	-
5	7Q9	A	205	-	-	0±0,42,42,42	-
5	7Q9	D	536	-	-	0±0,42,42,42	-
6	17F	E	811	-	-	0±0,59,59,59	-
5	7Q9	E	806	-	-	0±0,42,42,42	-
6	17F	D	546	-	-	0±0,59,59,59	-
6	17F	D	528	-	-	0±0,59,59,59	-
5	7Q9	D	524	-	-	0±0,42,42,42	-
5	7Q9	A	207	-	-	0±0,42,42,42	-
5	7Q9	E	824	-	-	0±0,42,42,42	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
5	7Q9	D	531	-	-	0±0,42,42,42	-
5	7Q9	D	535	-	-	0±0,42,42,42	-
5	7Q9	E	825	-	-	0±0,42,42,42	-
5	7Q9	E	813	-	-	0±0,42,42,42	-
5	7Q9	E	836	-	-	0±0,42,42,42	-
5	7Q9	D	543	-	-	0±0,42,42,42	-
5	7Q9	D	547	-	-	0±0,42,42,42	-
6	17F	E	856	-	-	0±0,59,59,59	-
5	7Q9	E	858	-	-	0±0,42,42,42	-
5	7Q9	A	213	-	-	0±0,42,42,42	-
5	7Q9	D	537	-	-	0±0,42,42,42	-
5	7Q9	D	538	-	-	0±0,42,42,42	-
5	7Q9	E	878	-	-	0±0,42,42,42	-
6	17F	E	870	-	-	0±0,59,59,59	-
5	7Q9	E	844	-	-	0±0,42,42,42	-
5	7Q9	E	829	-	-	0±0,42,42,42	-
6	17F	B	219	-	-	0±0,59,59,59	-
3	GSP	B	201	4	-	0±0,17,38,38	0±0,3,3,3
6	17F	A	208	-	-	0±0,59,59,59	-
5	7Q9	D	521	-	-	0±0,42,42,42	-
5	7Q9	E	875	-	-	0±0,42,42,42	-
5	7Q9	B	213	-	-	0±0,42,42,42	-
5	7Q9	E	863	-	-	0±0,42,42,42	-
5	7Q9	E	871	-	-	0±0,42,42,42	-
5	7Q9	B	216	-	-	0±0,42,42,42	-
5	7Q9	E	832	-	-	0±0,42,42,42	-
5	7Q9	E	852	-	-	0±0,42,42,42	-
5	7Q9	E	839	-	-	0±0,42,42,42	-
5	7Q9	E	845	-	-	0±0,42,42,42	-
5	7Q9	D	506	-	-	0±0,42,42,42	-
6	17F	B	208	-	-	0±0,59,59,59	-
6	17F	E	872	-	-	0±0,59,59,59	-
5	7Q9	B	212	-	-	0±0,42,42,42	-
5	7Q9	E	814	-	-	0±0,42,42,42	-
5	7Q9	E	868	-	-	0±0,42,42,42	-
5	7Q9	D	502	-	-	0±0,42,42,42	-
6	17F	E	838	-	-	0±0,59,59,59	-
5	7Q9	E	848	-	-	0±0,42,42,42	-
5	7Q9	A	215	-	-	0±0,42,42,42	-
5	7Q9	E	833	-	-	0±0,42,42,42	-
6	17F	D	511	-	-	0±0,59,59,59	-
5	7Q9	D	509	-	-	0±0,42,42,42	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
5	7Q9	E	876	-	-	0±0,42,42,42	-
5	7Q9	E	859	-	-	0±0,42,42,42	-
5	7Q9	A	204	-	-	0±0,42,42,42	-
5	7Q9	E	869	-	-	0±0,42,42,42	-
5	7Q9	D	523	-	-	0±0,42,42,42	-
6	17F	E	809	-	-	0±0,59,59,59	-
5	7Q9	E	804	-	-	0±0,42,42,42	-
5	7Q9	B	220	-	-	0±0,42,42,42	-
5	7Q9	E	849	-	-	0±0,42,42,42	-
6	17F	E	828	-	-	0±0,59,59,59	-
5	7Q9	A	209	-	-	0±0,42,42,42	-
6	17F	B	214	-	-	0±0,59,59,59	-
5	7Q9	D	544	-	-	0±0,42,42,42	-
5	7Q9	E	834	-	-	0±0,42,42,42	-
6	17F	E	874	-	-	0±0,59,59,59	-
6	17F	A	214	-	-	0±0,59,59,59	-
5	7Q9	D	532	-	-	0±0,42,42,42	-
6	17F	B	215	-	-	0±0,59,59,59	-
5	7Q9	E	862	-	-	0±0,42,42,42	-
5	7Q9	E	812	-	-	0±0,42,42,42	-
5	7Q9	E	866	-	-	0±0,42,42,42	-
5	7Q9	D	522	-	-	0±0,42,42,42	-
6	17F	D	510	-	-	0±0,59,59,59	-
5	7Q9	D	545	-	-	0±0,42,42,42	-
5	7Q9	B	210	-	-	0±0,42,42,42	-
5	7Q9	E	810	-	-	0±0,42,42,42	-
5	7Q9	E	837	-	-	0±0,42,42,42	-
5	7Q9	E	854	-	-	0±0,42,42,42	-

5 of 8 unique bond outliers are listed below. They are sorted according to the Z-score of the worst occurrence in the ensemble.

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
3	B	201	GSP	C5-C6	4.29	1.38	1.47	9	20
3	A	201	GSP	C5-C6	4.16	1.39	1.47	2	20
3	B	201	GSP	O4'-C1'	2.50	1.44	1.41	12	20
3	A	201	GSP	O4'-C1'	2.43	1.44	1.41	18	20
3	B	201	GSP	PG-O2G	2.07	1.48	1.54	7	11

5 of 655 unique angle outliers are listed below. They are sorted according to the Z-score of the worst occurrence in the ensemble.

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
6	E	805	17F	O3-C1-C2	5.20	112.59	108.06	6	20
6	E	856	17F	O3-C1-C2	5.08	112.49	108.06	20	20
6	D	501	17F	O3-C1-C2	4.93	112.36	108.06	11	20
6	B	208	17F	O3-C1-C2	4.71	112.17	108.06	6	20
6	D	510	17F	O3-C1-C2	4.53	112.01	108.06	20	20

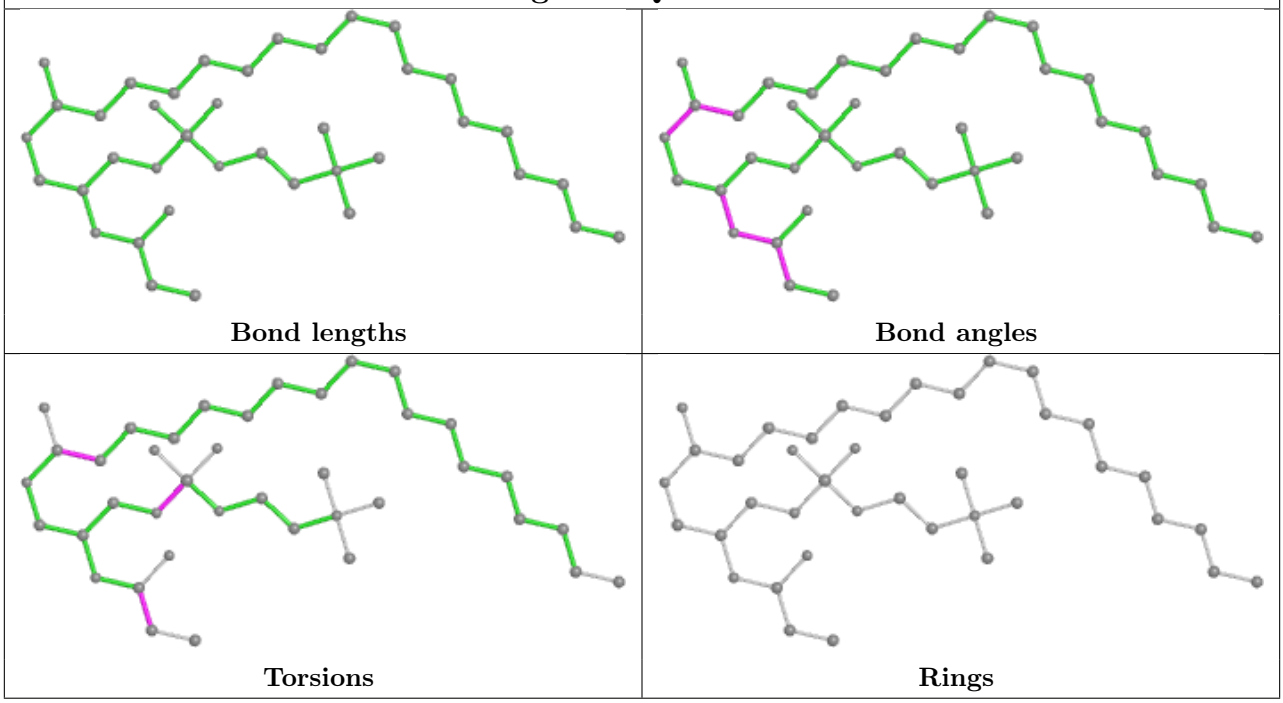
There are no chirality outliers.

There are no torsion outliers.

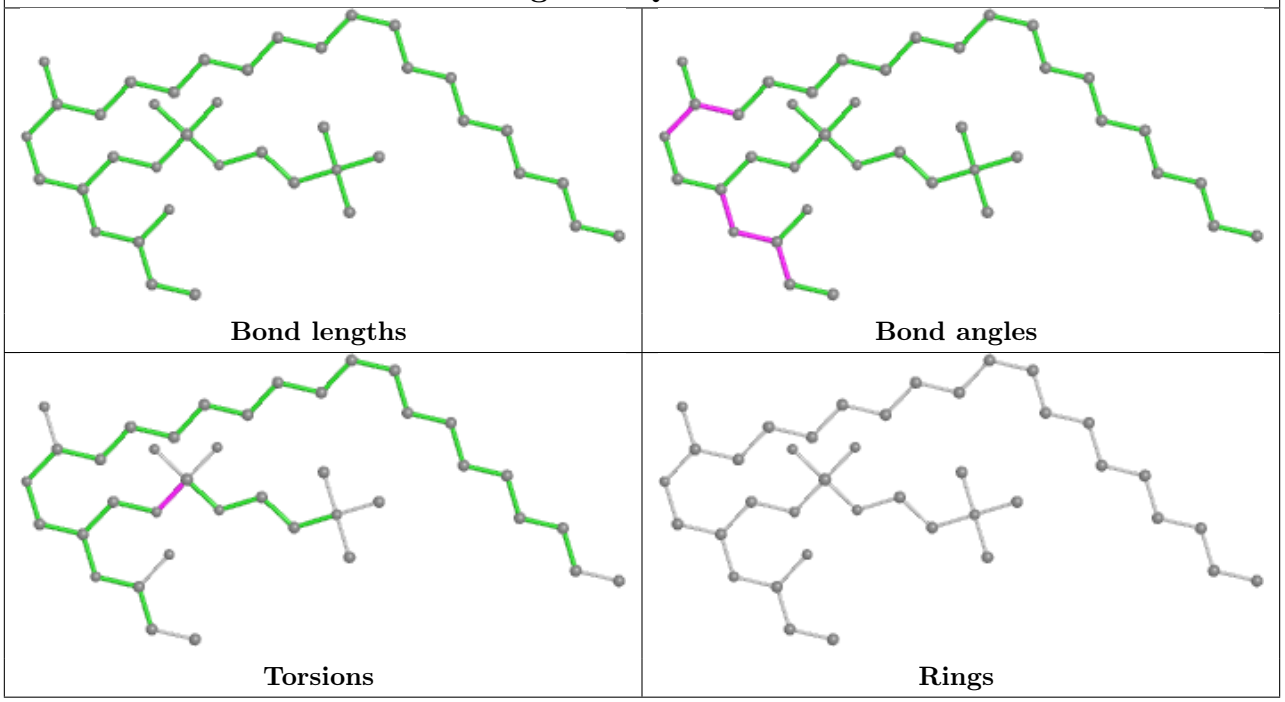
There are no ring outliers.

The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less then 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

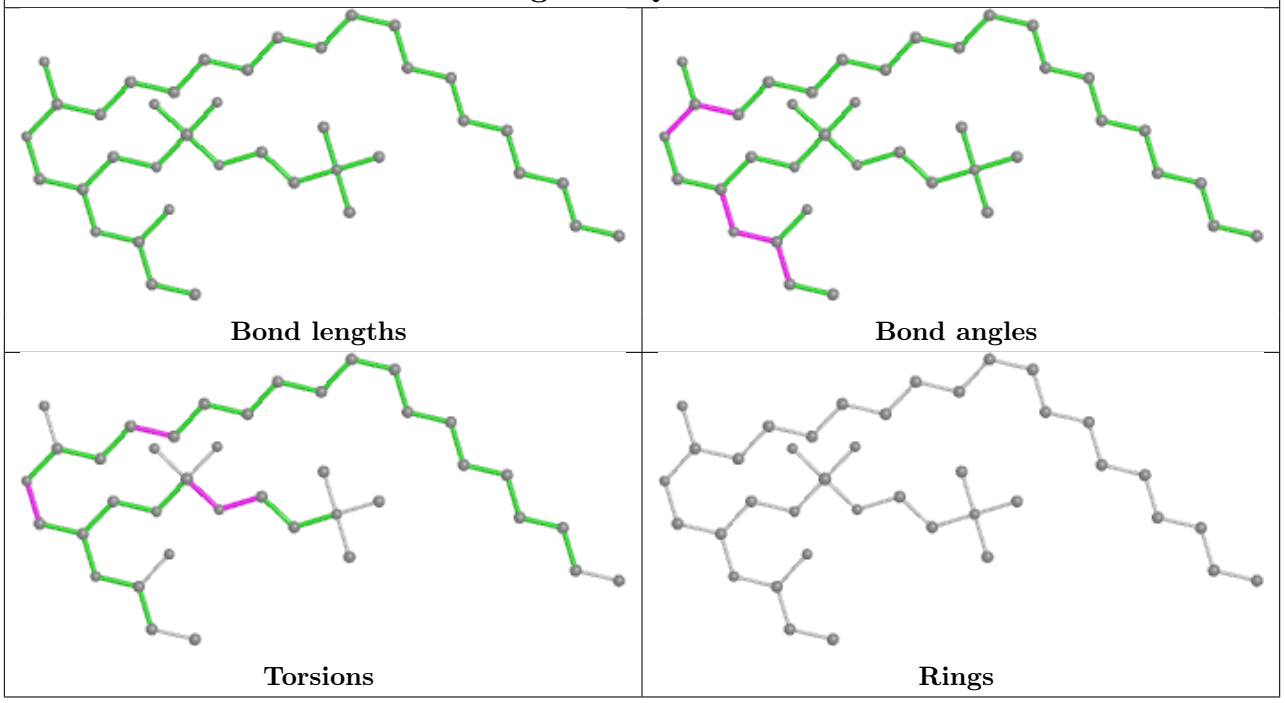
Ligand 7Q9 B 211



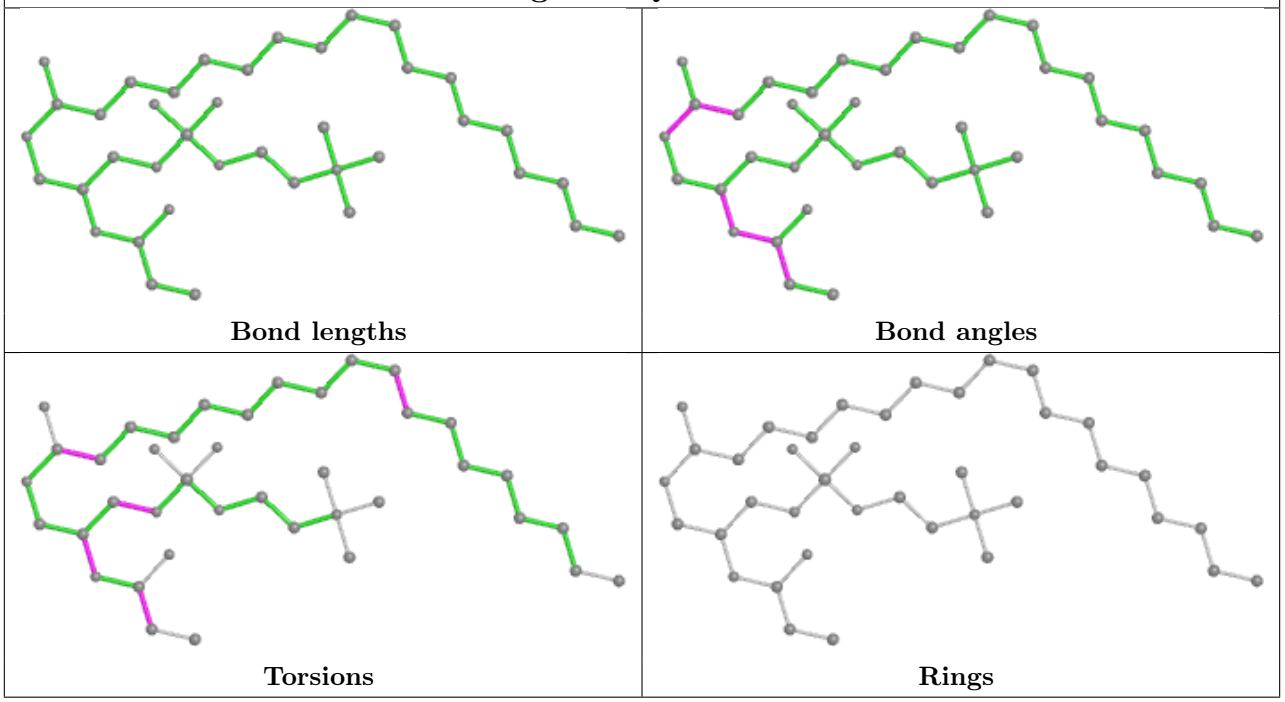
Ligand 7Q9 D 548



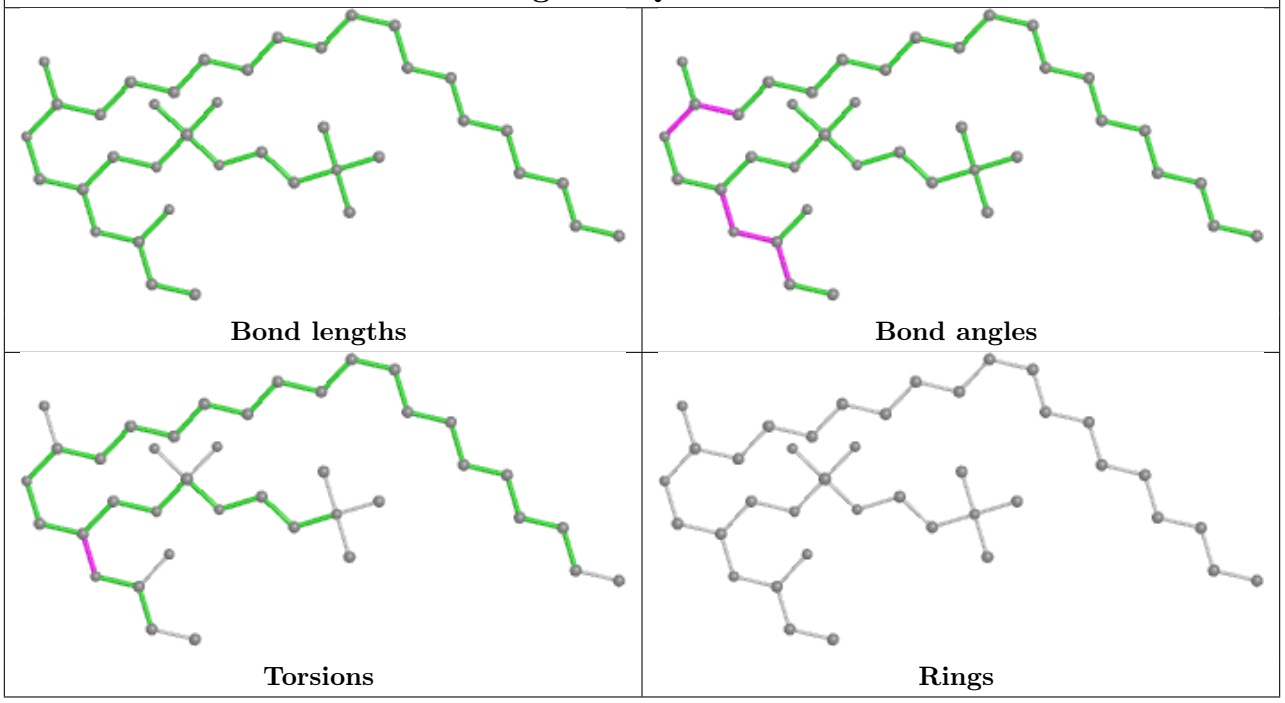
Ligand 7Q9 D 541



Ligand 7Q9 A 212



Ligand 7Q9 E 831



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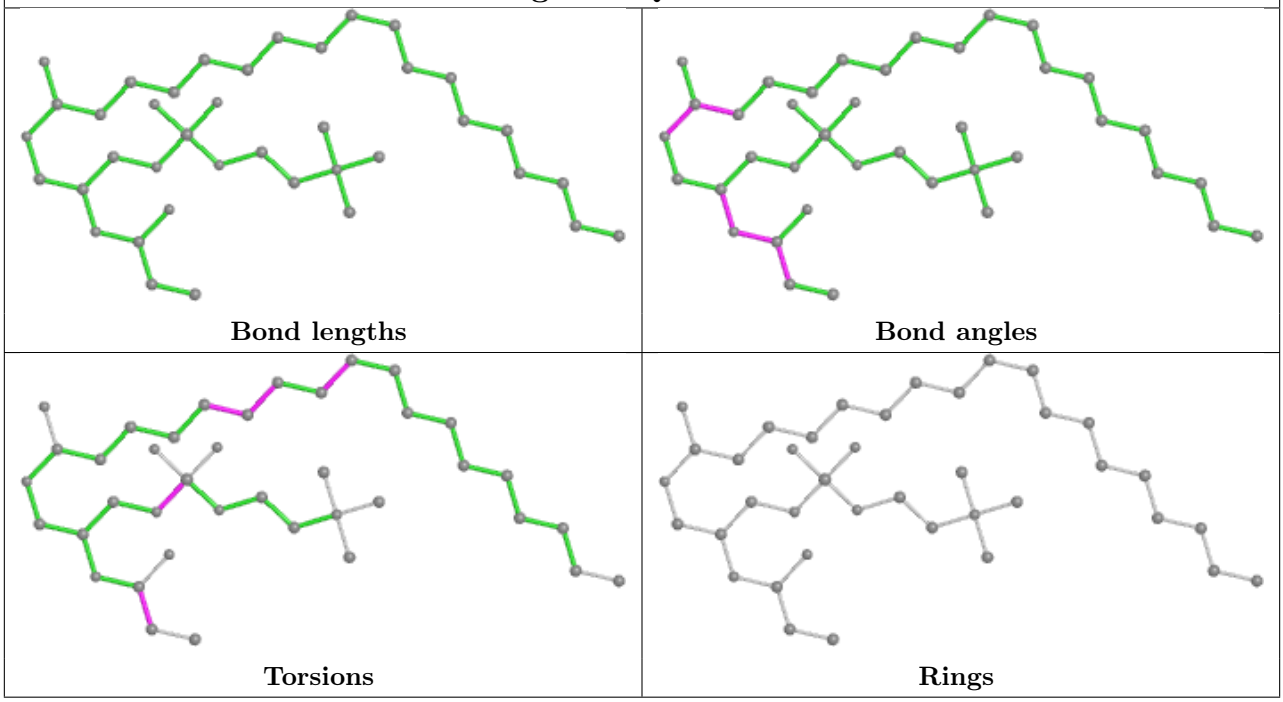
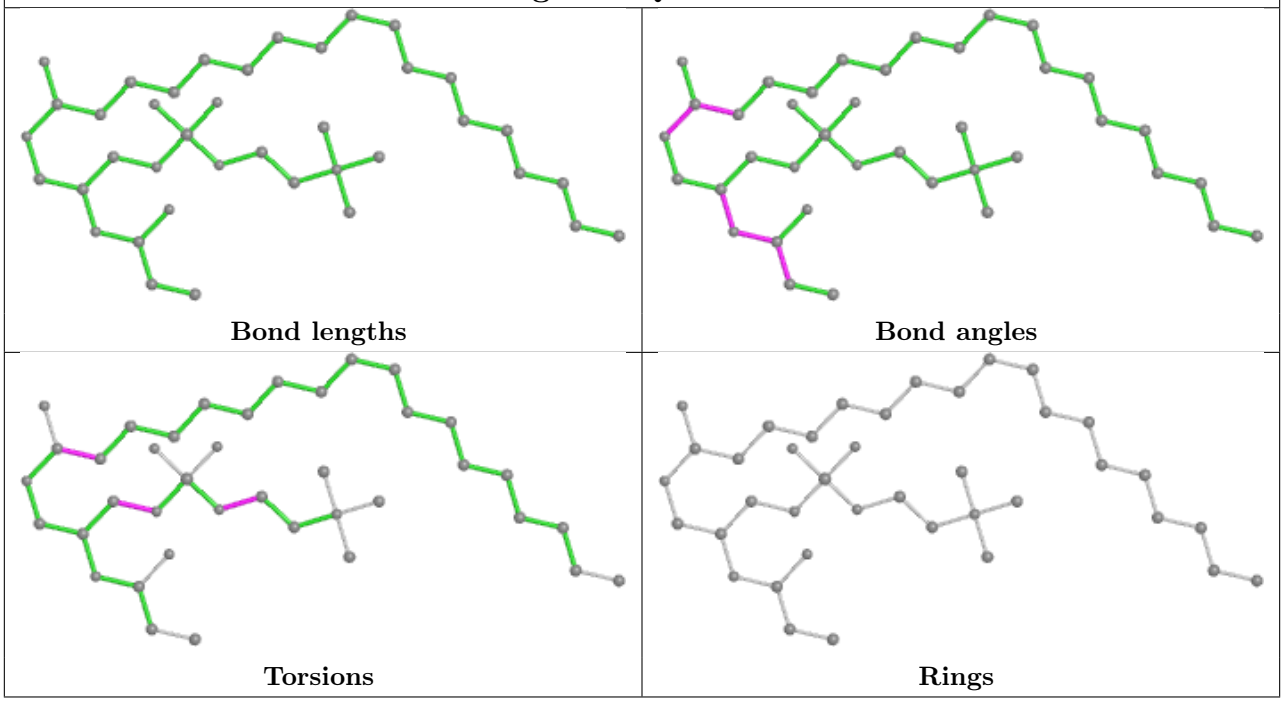
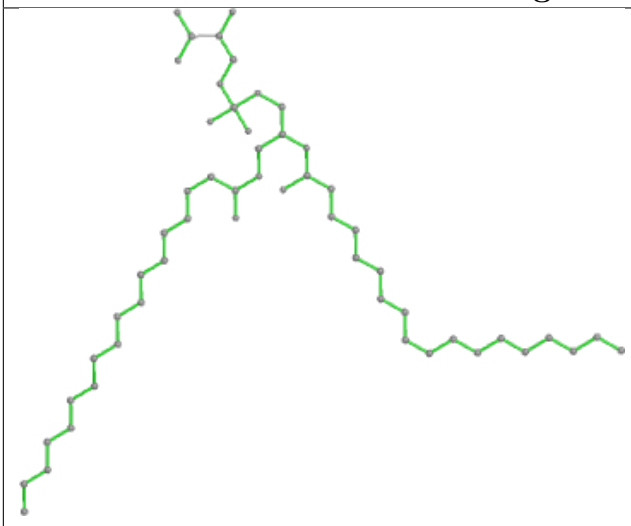


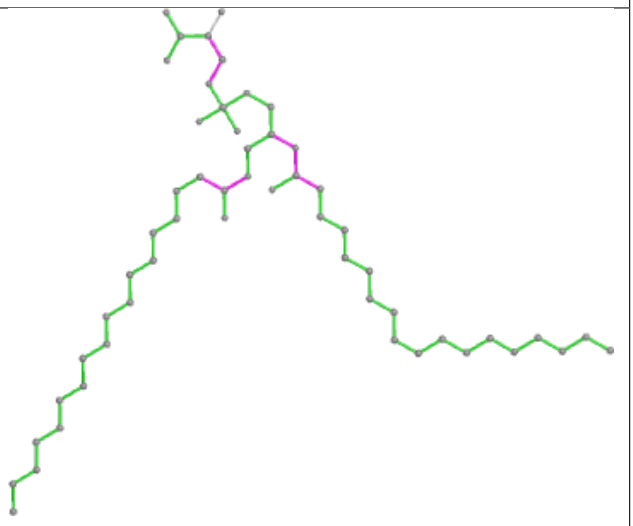
Ligand 7Q9 E 816



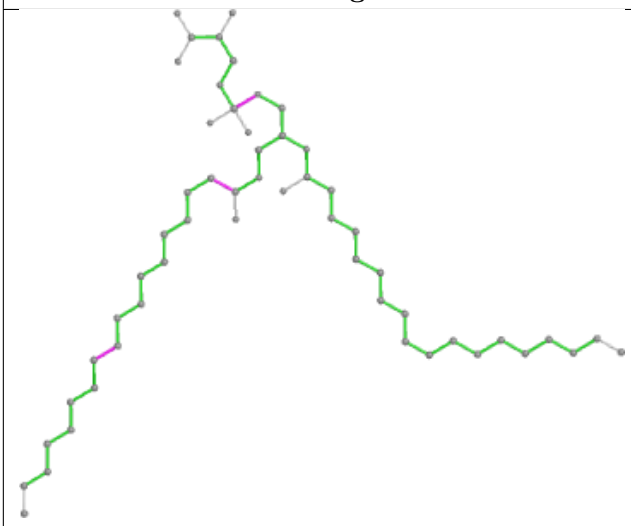
Ligand 17F E 855



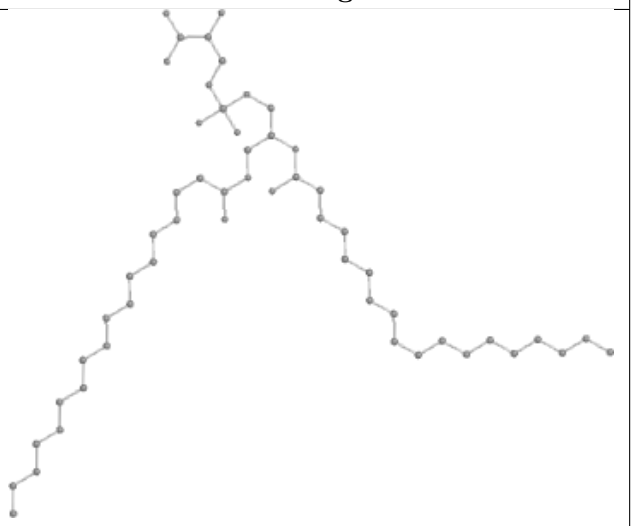
Bond lengths



Bond angles

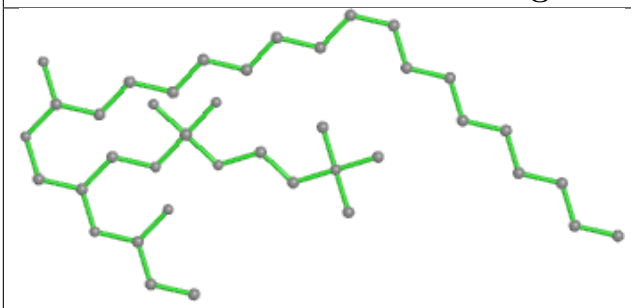


Torsions

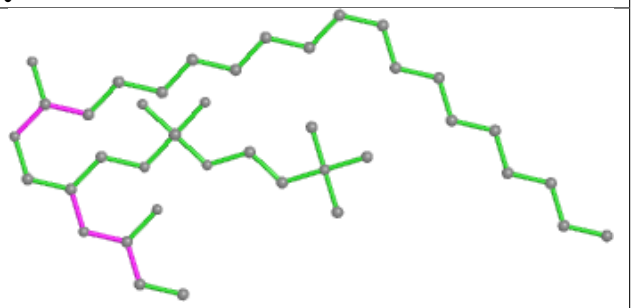


Rings

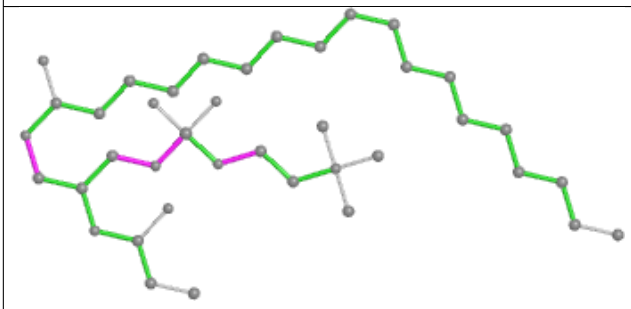
Ligand 7Q9 E 864



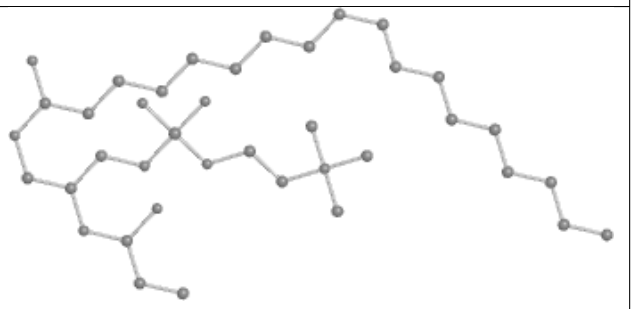
Bond lengths



Bond angles

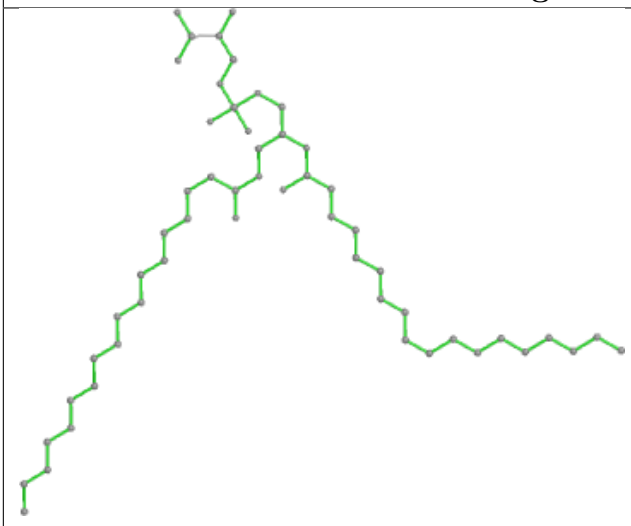


Torsions

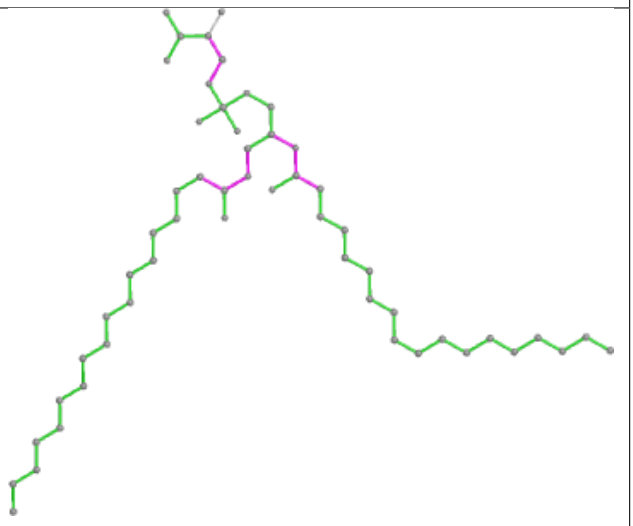


Rings

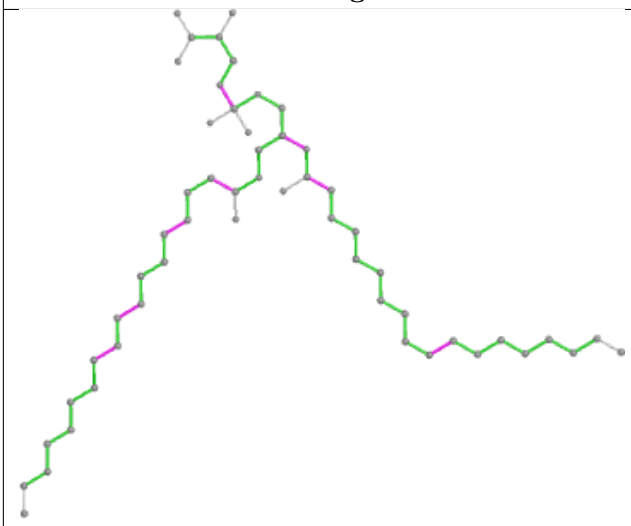
Ligand 17F D 501



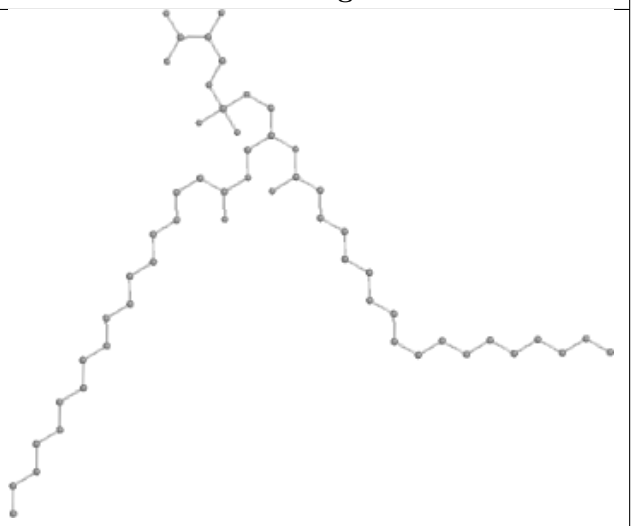
Bond lengths



Bond angles

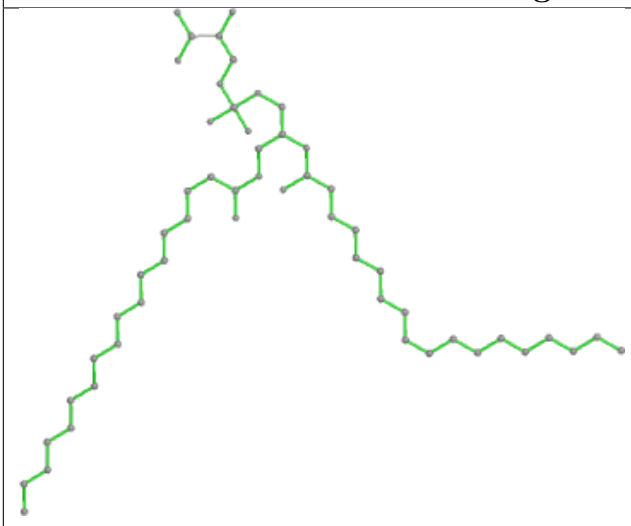


Torsions

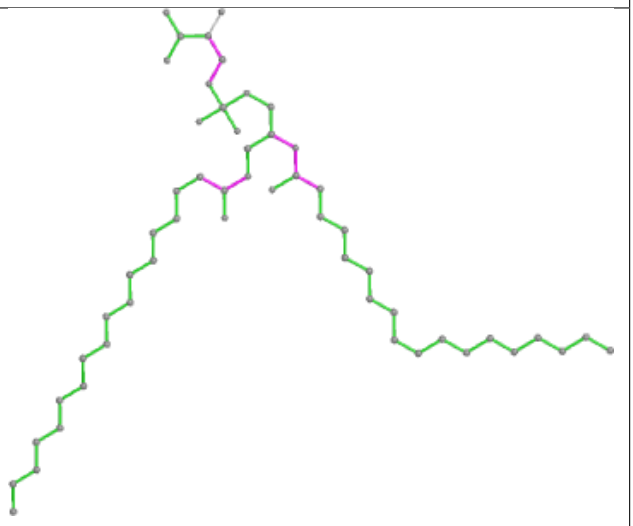


Rings

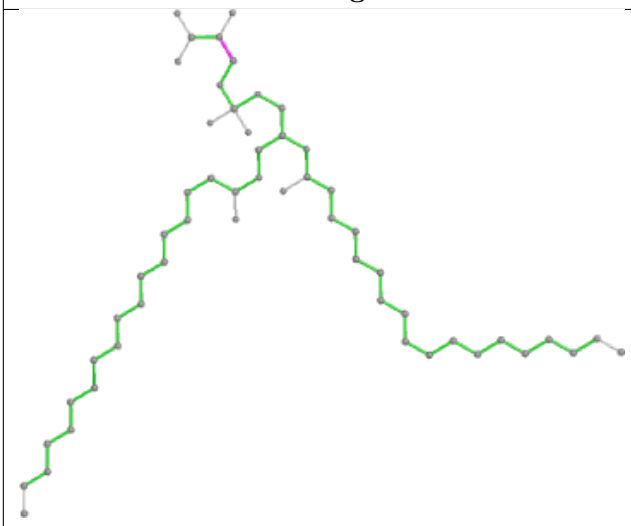
Ligand 17F E 807



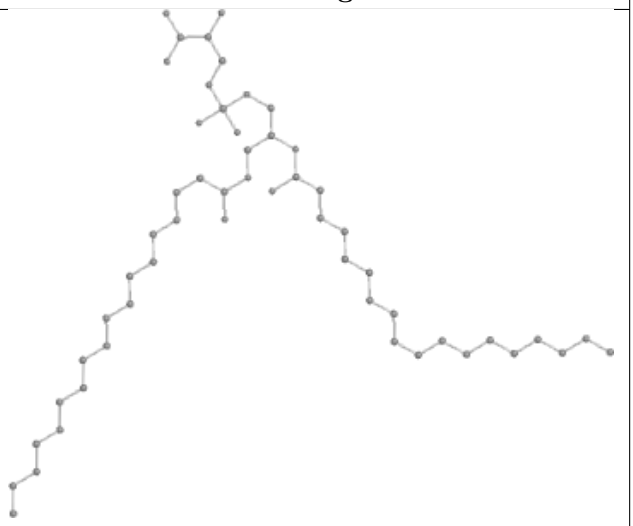
Bond lengths



Bond angles

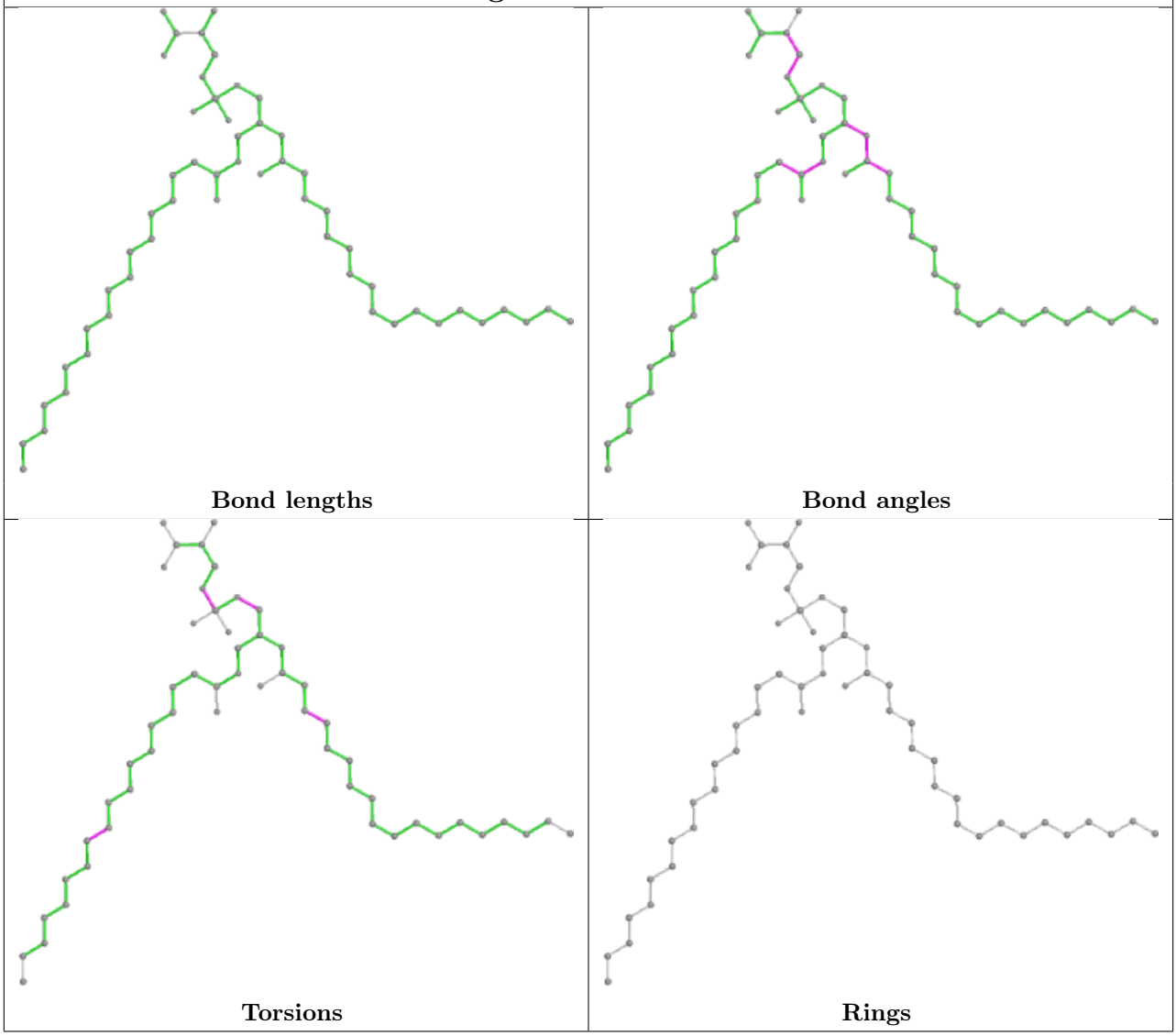


Torsions

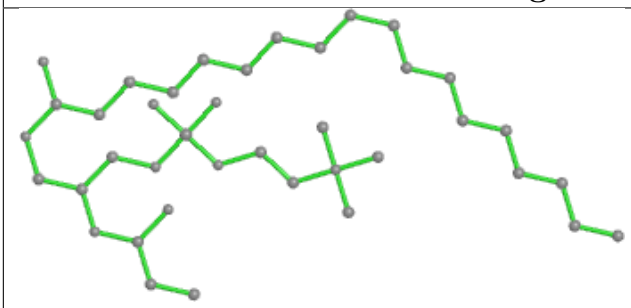


Rings

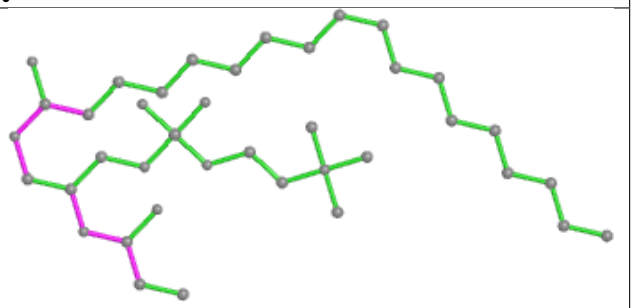
Ligand 17F D 527



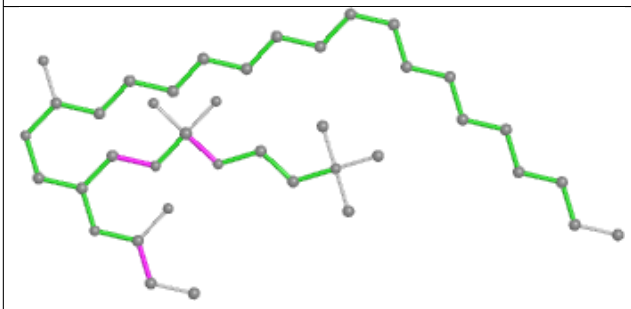
Ligand 7Q9 D 540



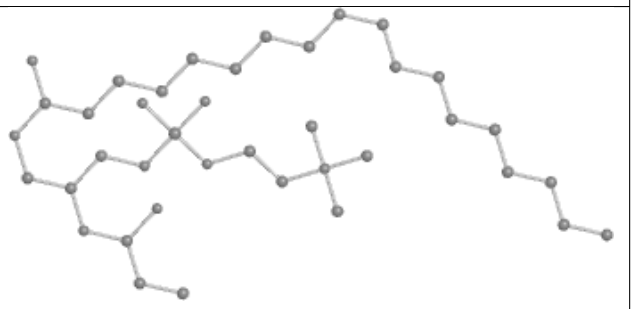
Bond lengths



Bond angles

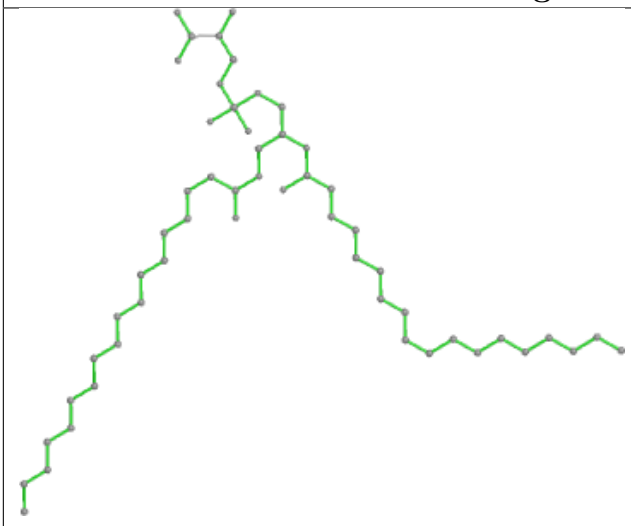


Torsions

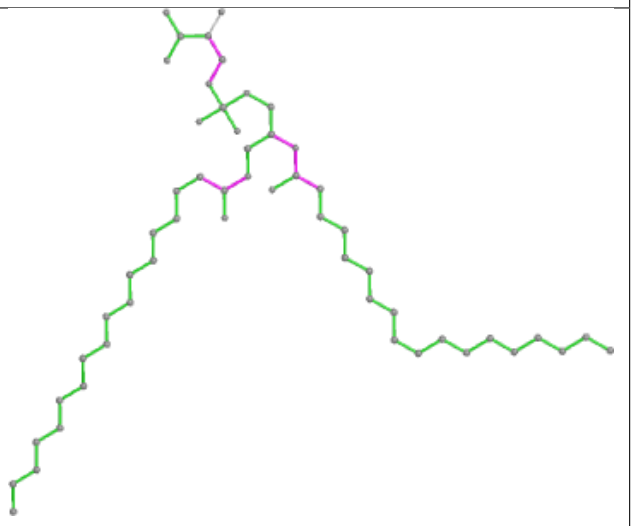


Rings

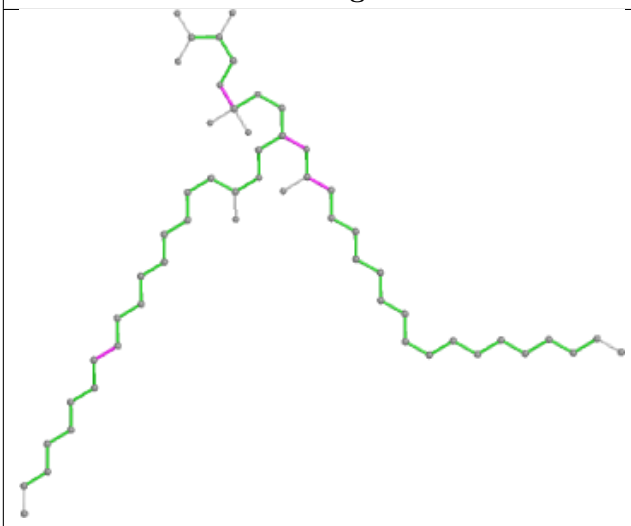
Ligand 17F E 819



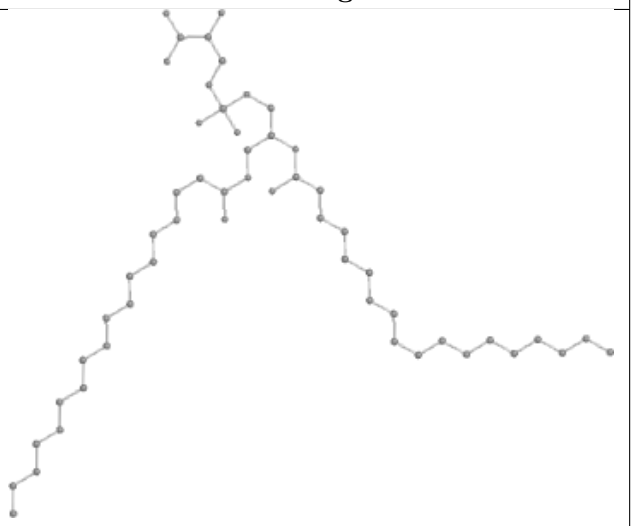
Bond lengths



Bond angles

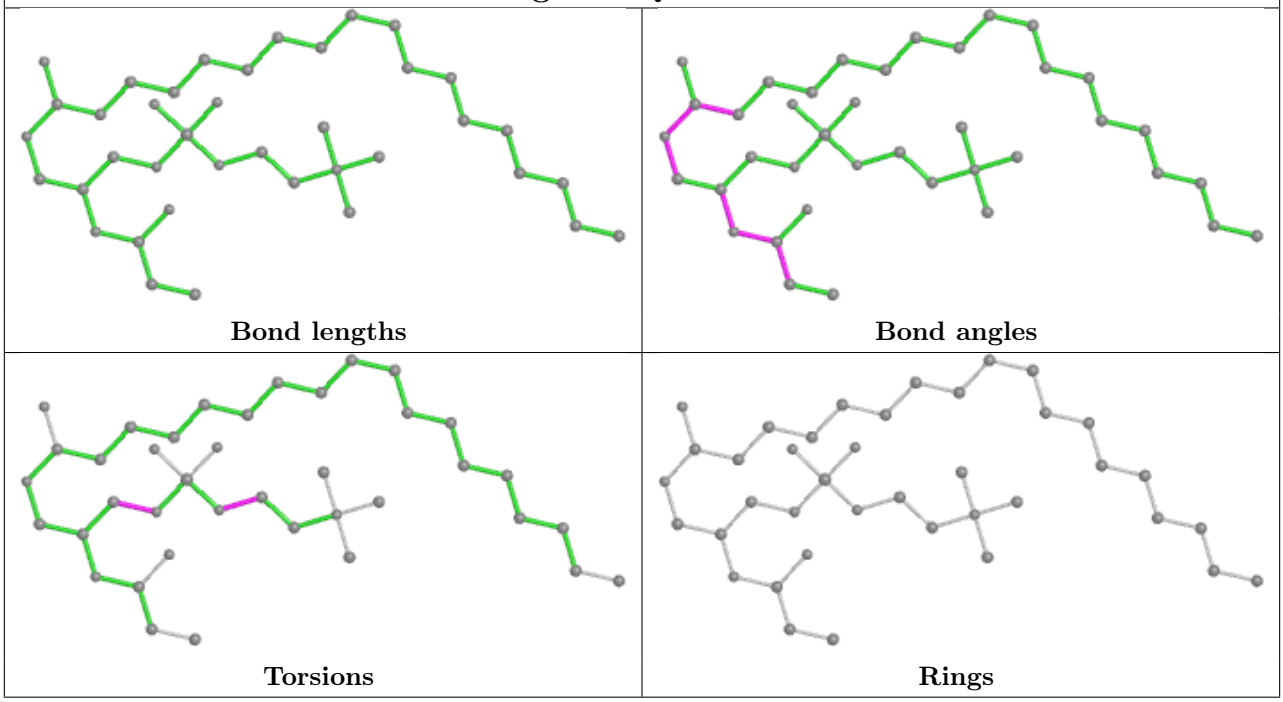


Torsions

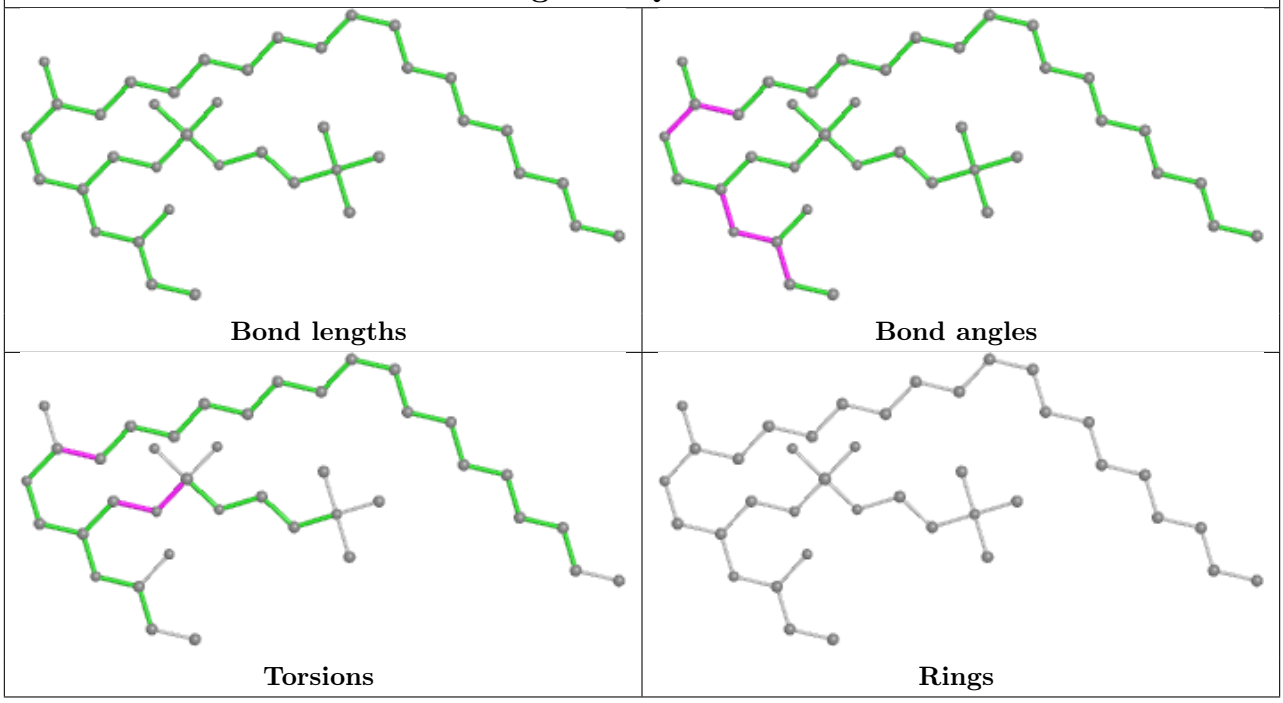


Rings

Ligand 7Q9 E 846



Ligand 7Q9 B 206



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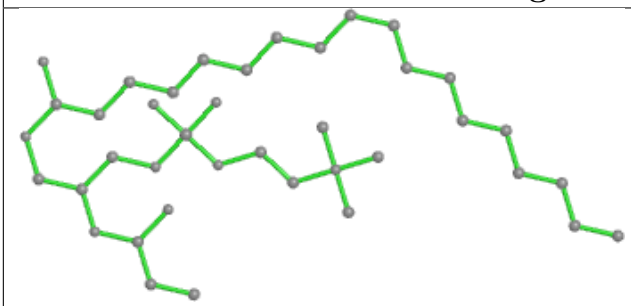
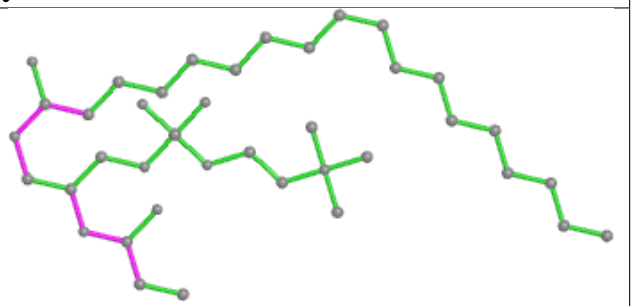
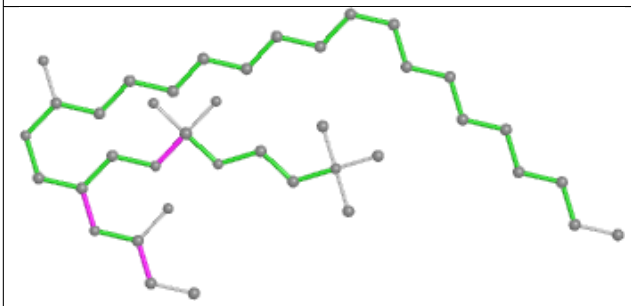


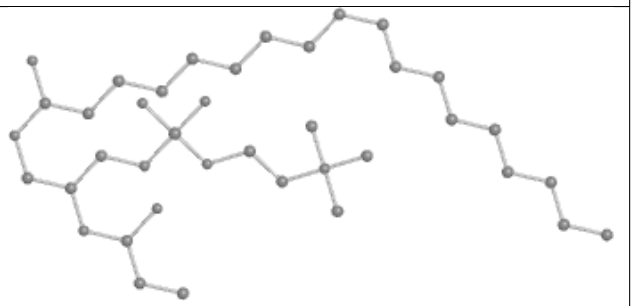
Bond lengths



Bond angles

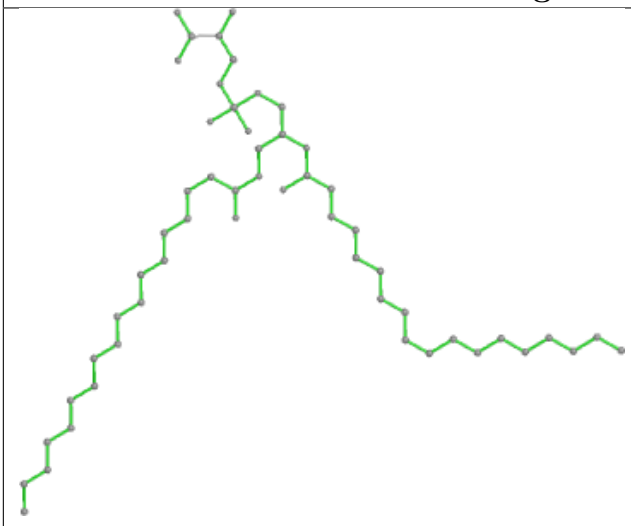


Torsions



Rings

Ligand 17F E 841



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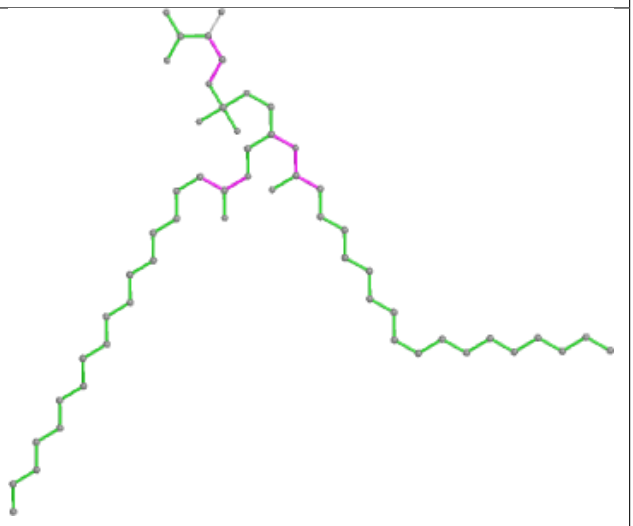
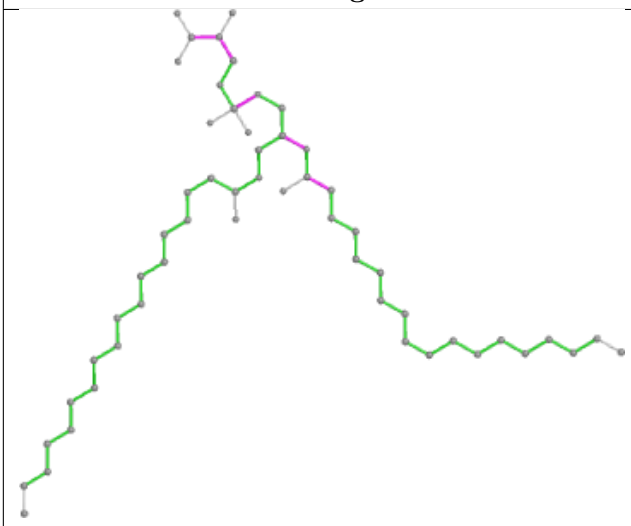
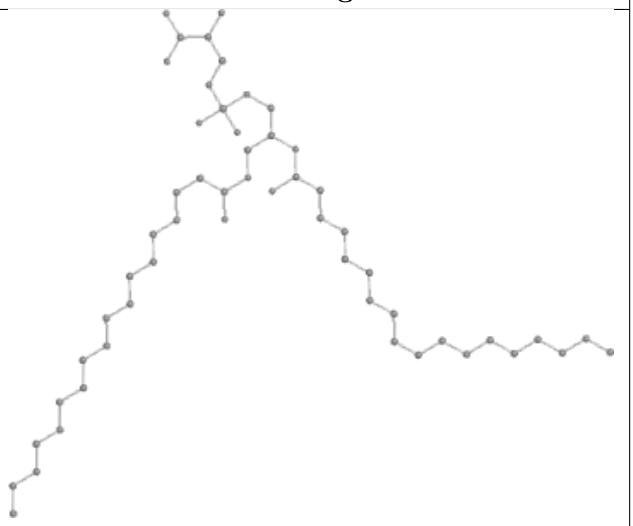


Bond angles

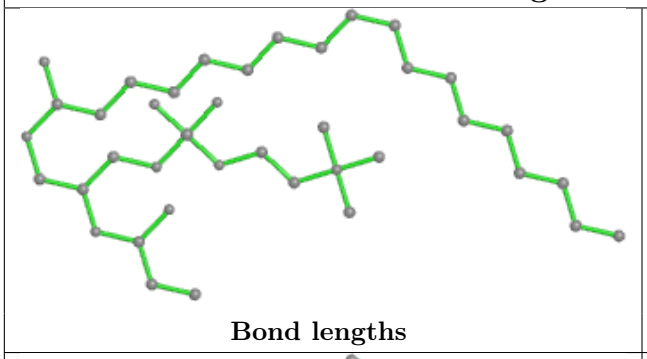


Torsions

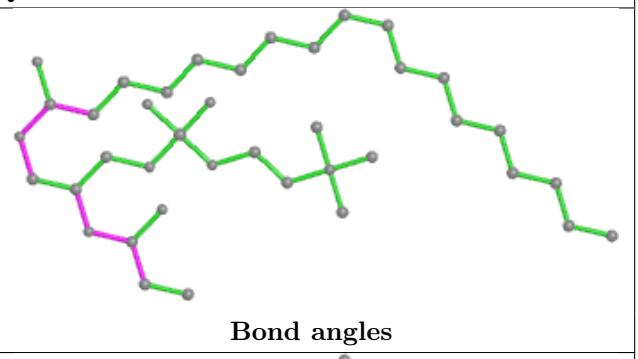


Rings

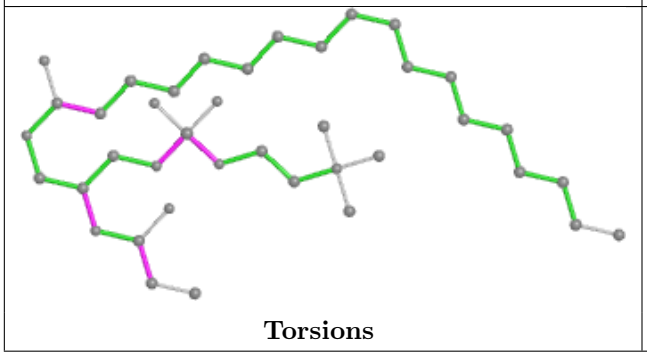
Ligand 7Q9 D 526



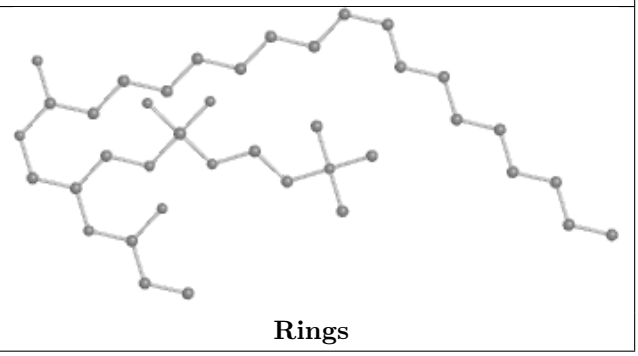
Bond lengths



Bond angles

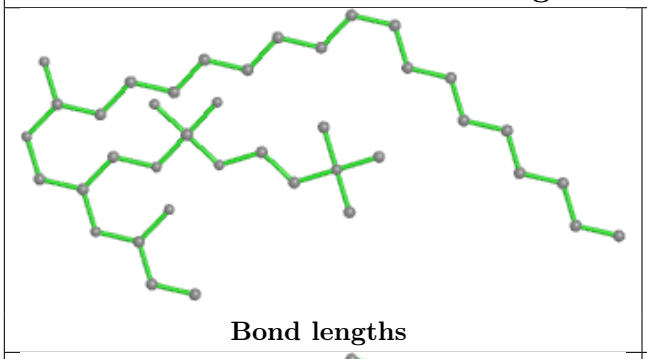


Torsions

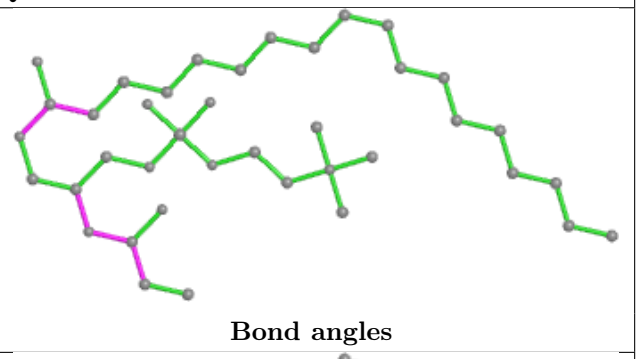


Rings

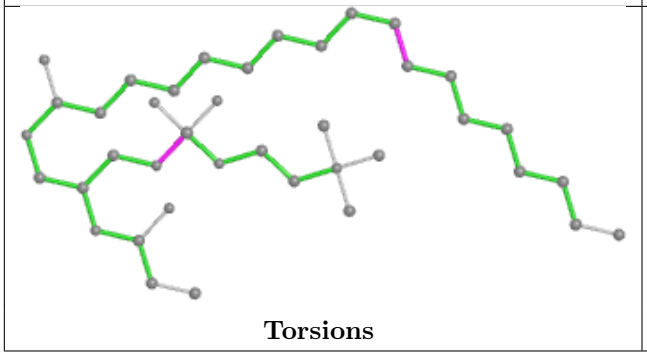
Ligand 7Q9 E 860



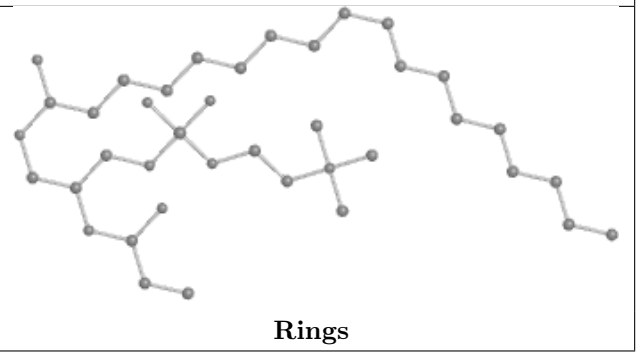
Bond lengths



Bond angles

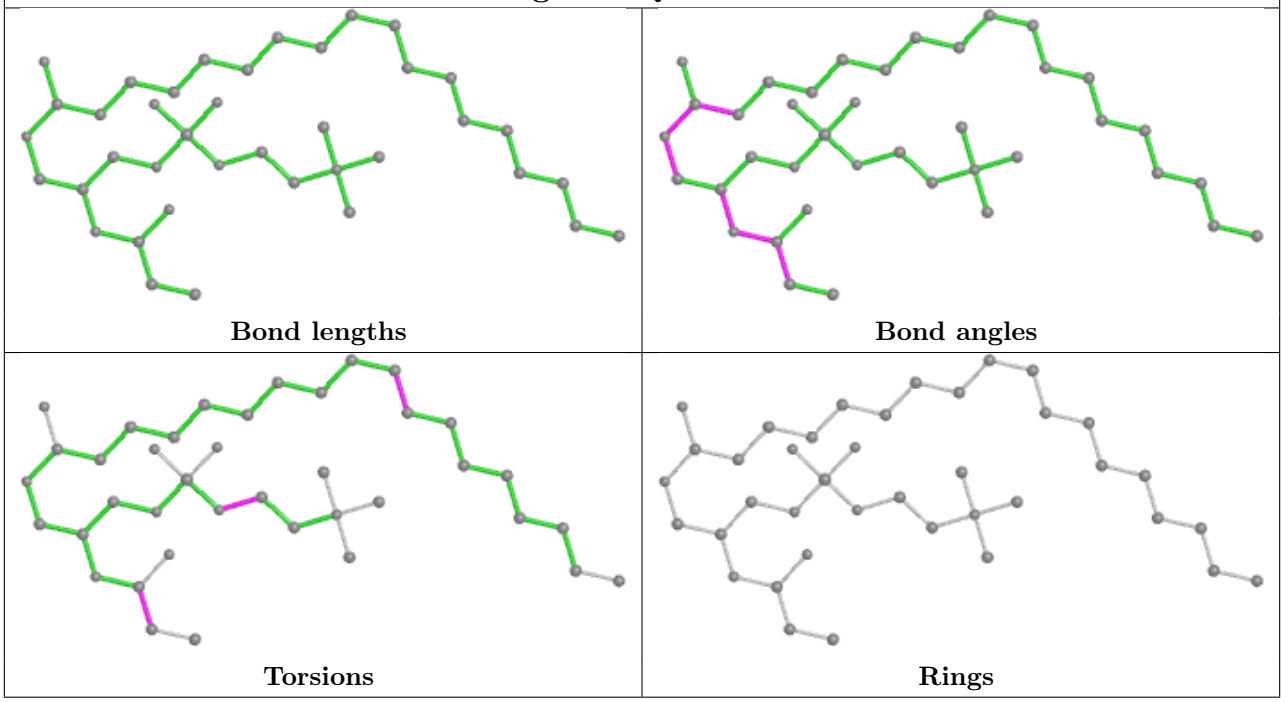


Torsions

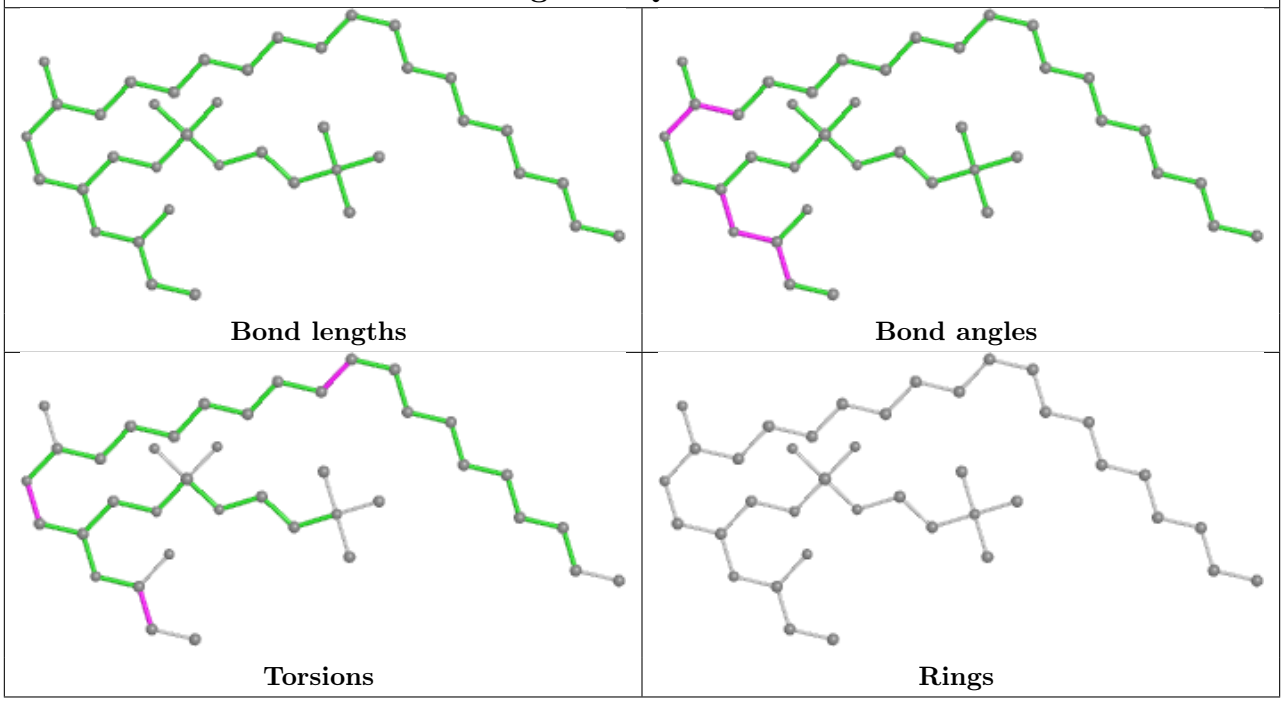


Rings

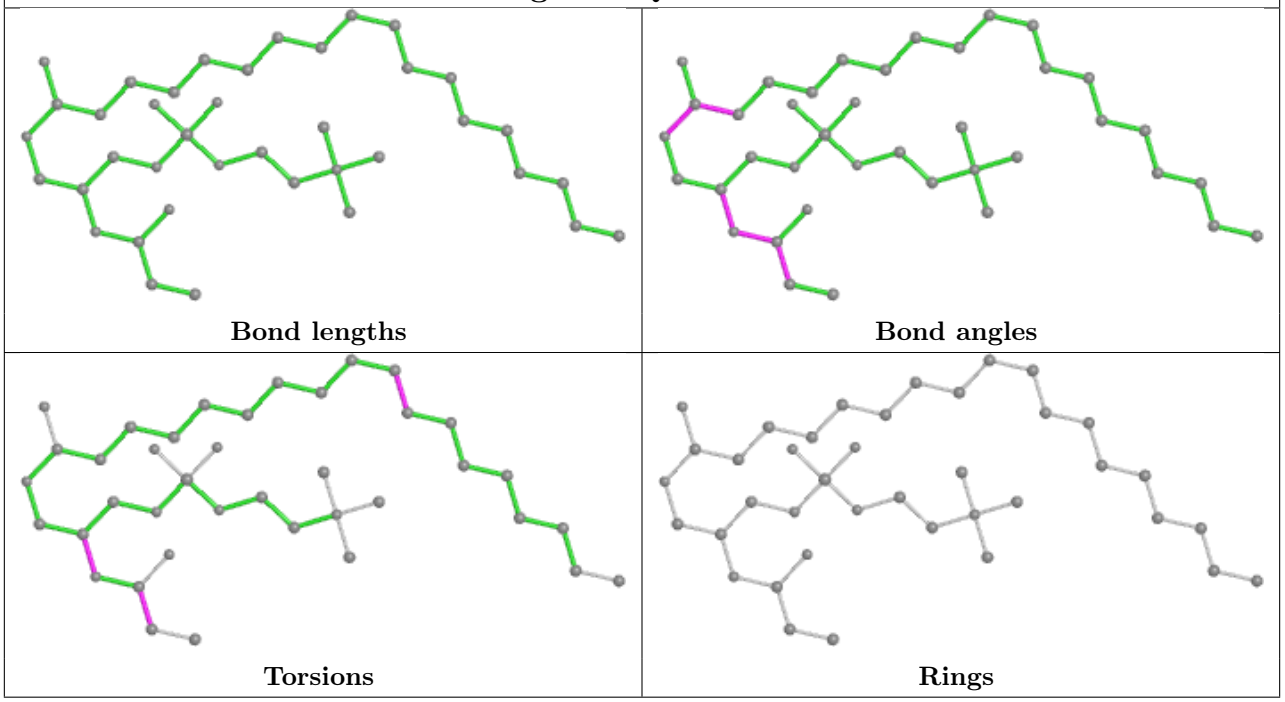
Ligand 7Q9 E 821



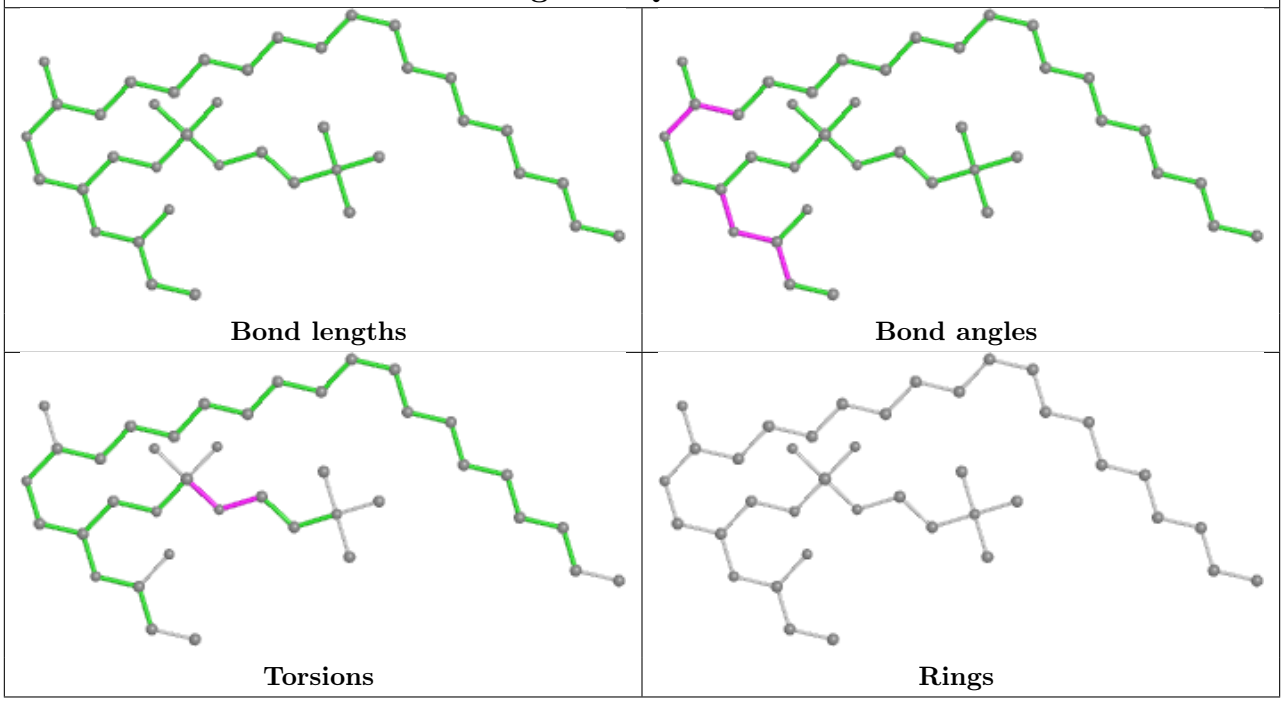
Ligand 7Q9 D 507



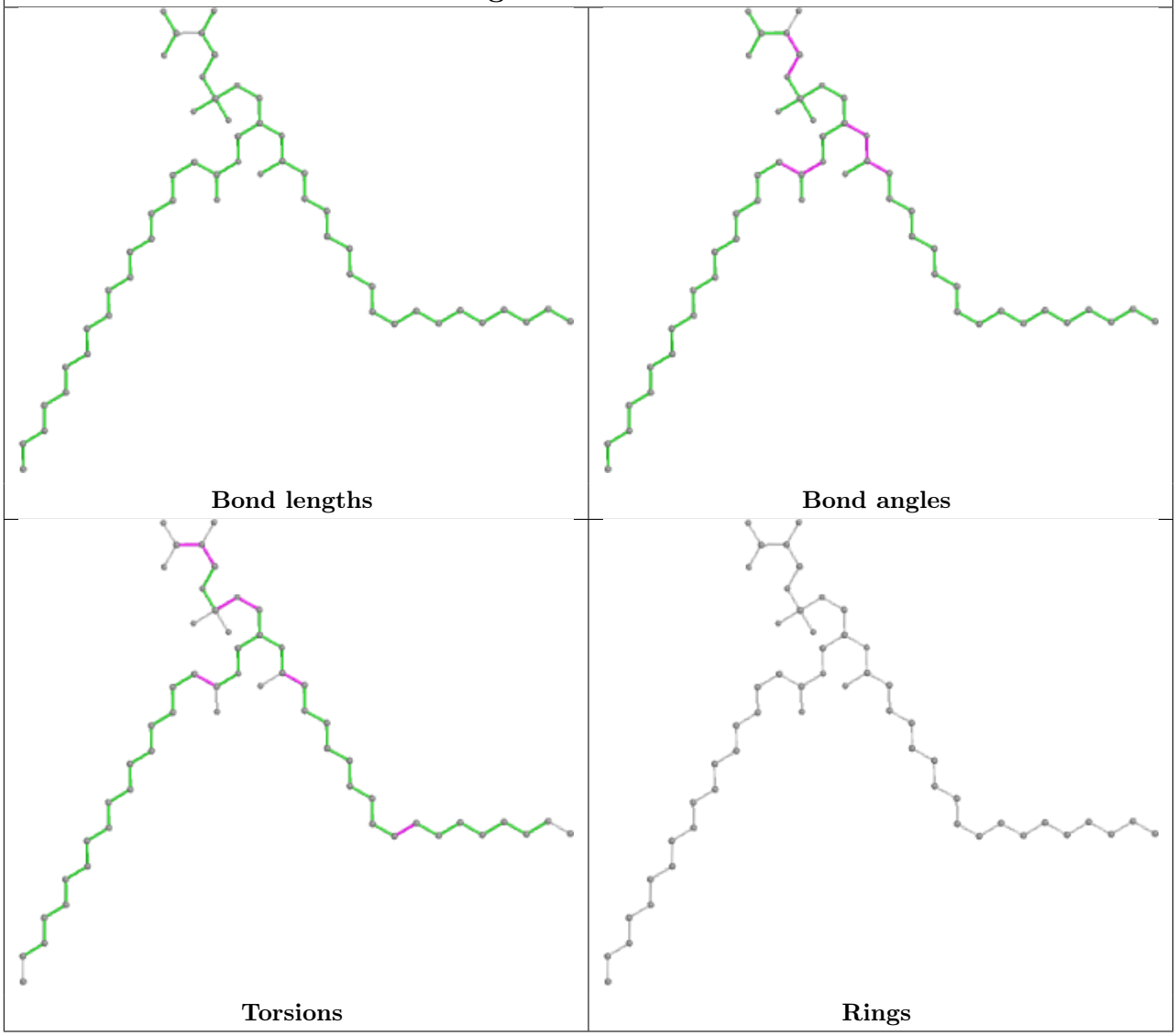
Ligand 7Q9 D 539



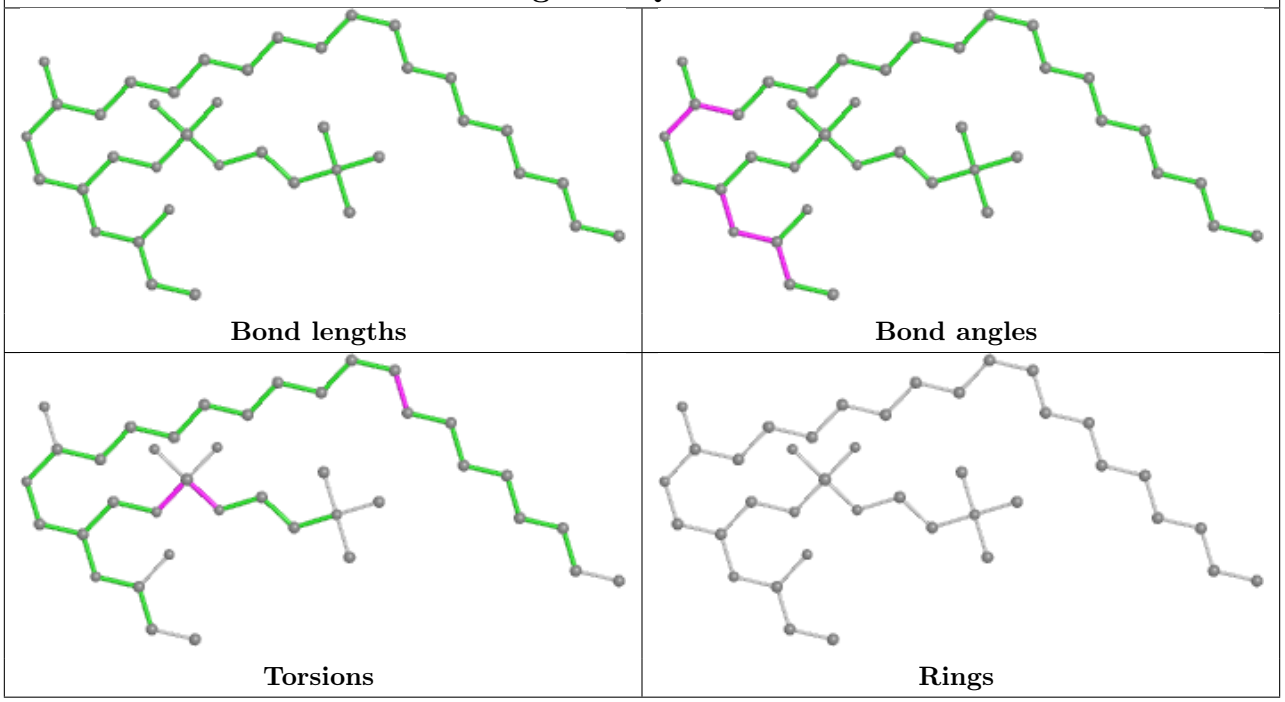
Ligand 7Q9 A 206



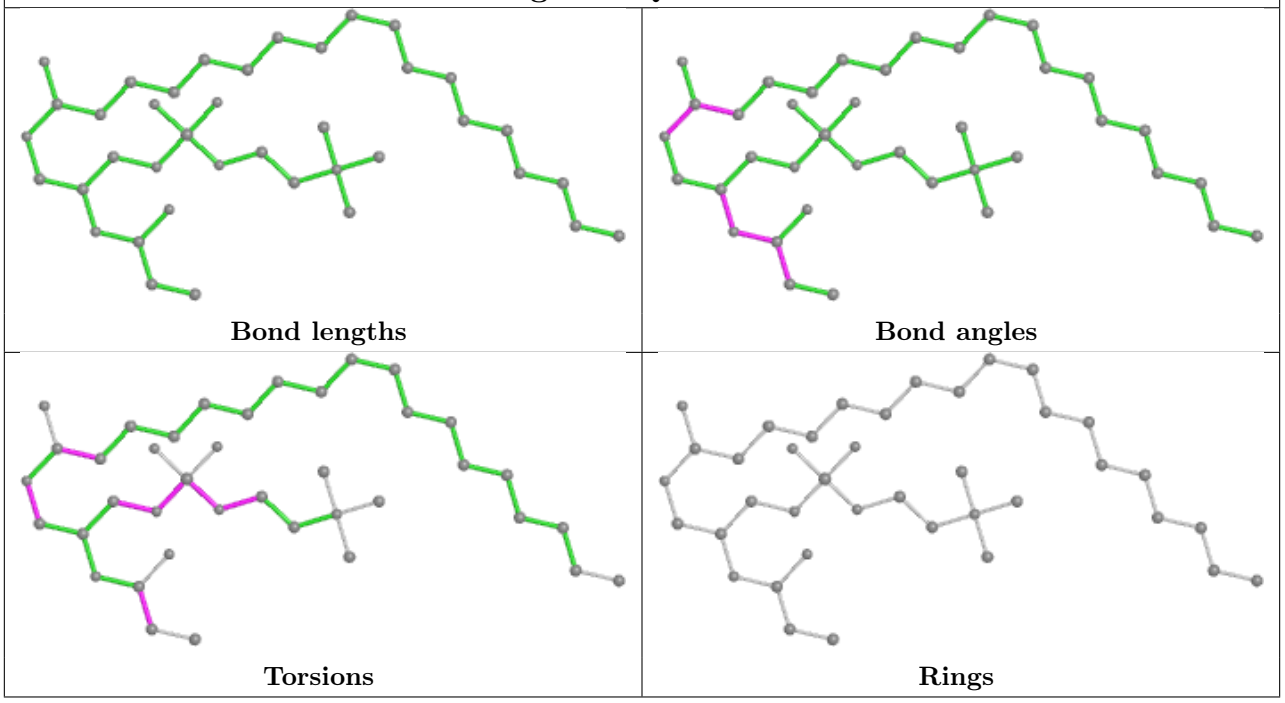
Ligand 17F D 516



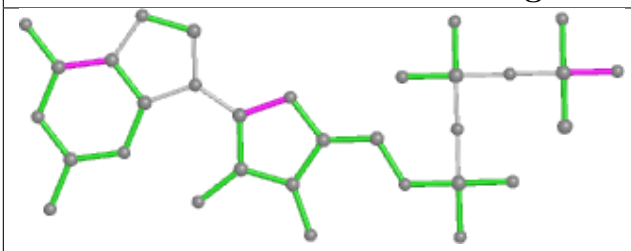
Ligand 7Q9 E 873



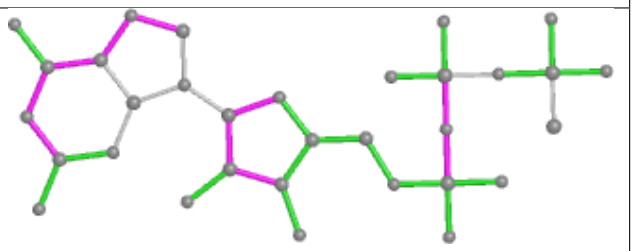
Ligand 7Q9 D 514



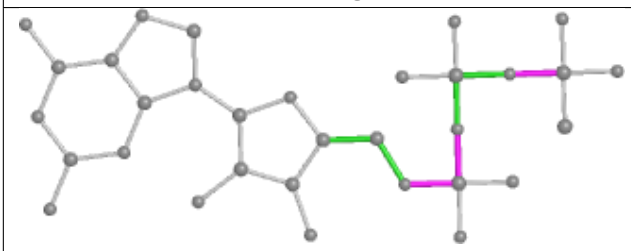
Ligand GSP A 201



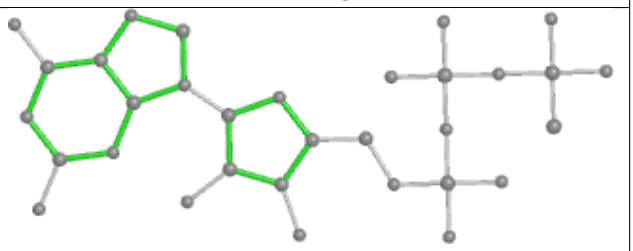
Bond lengths



Bond angles

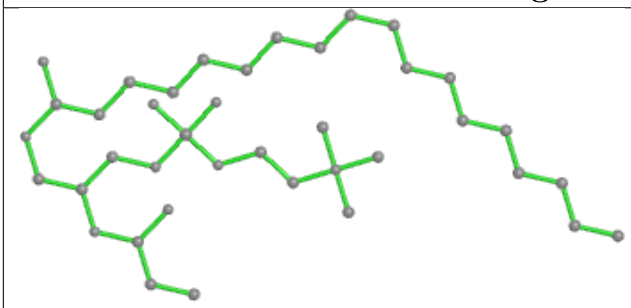


Torsions

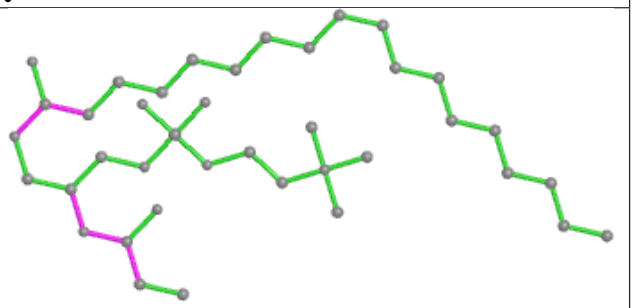


Rings

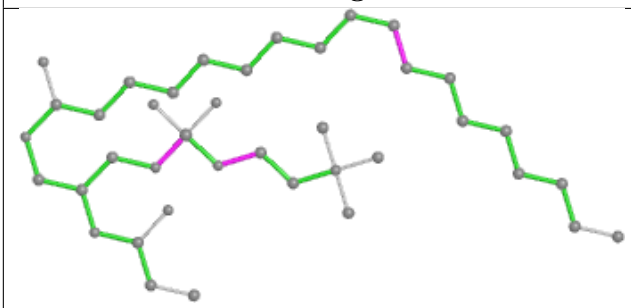
Ligand 7Q9 E 822



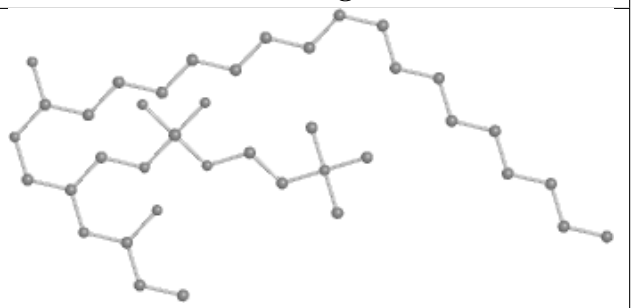
Bond lengths



Bond angles

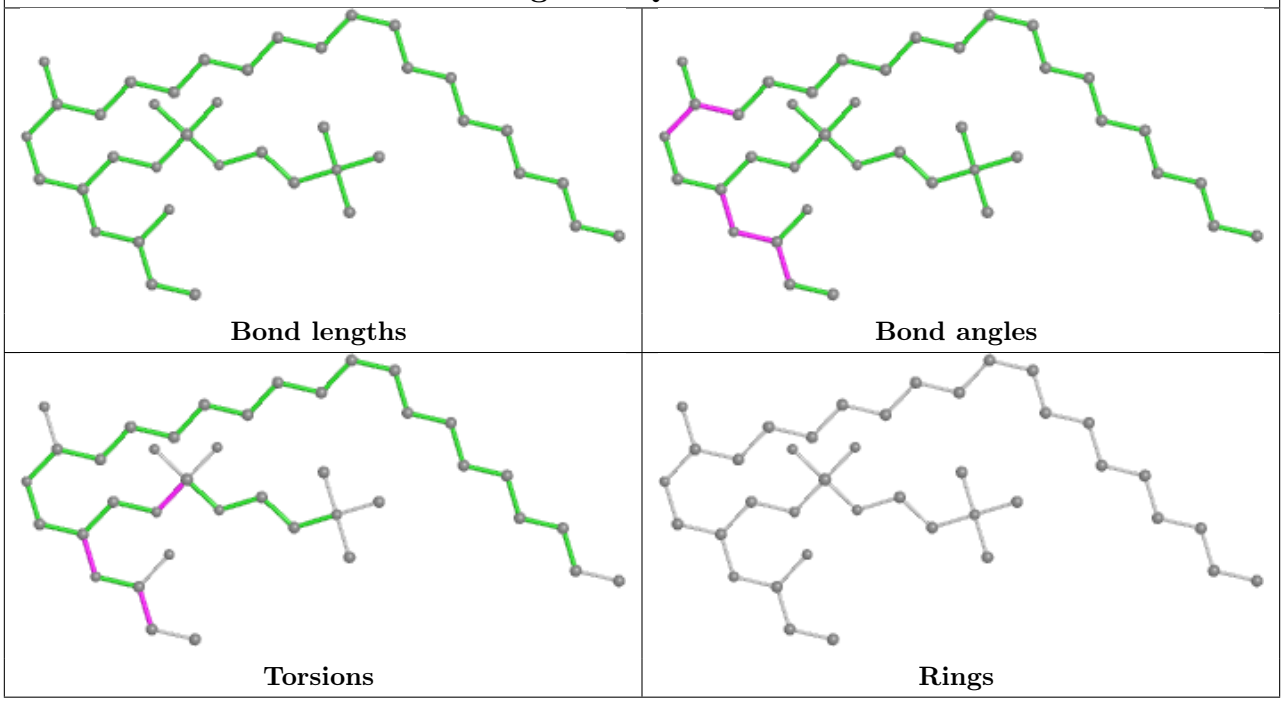


Torsions

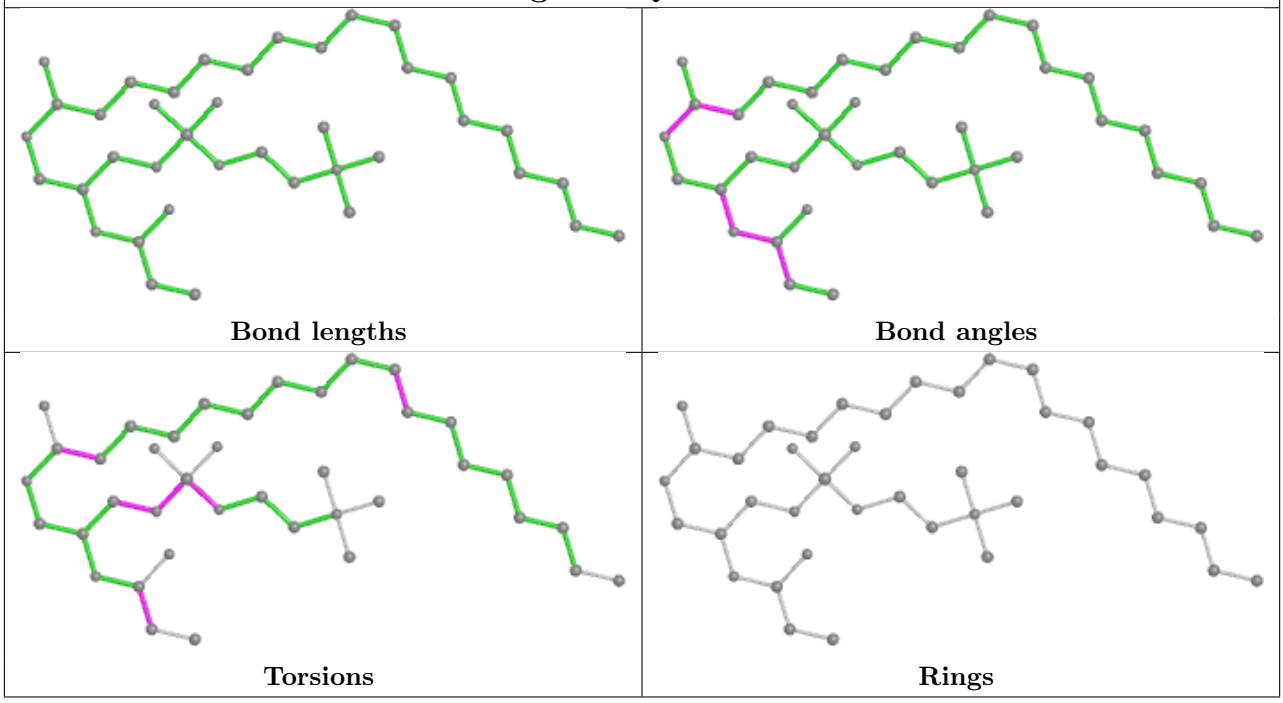


Rings

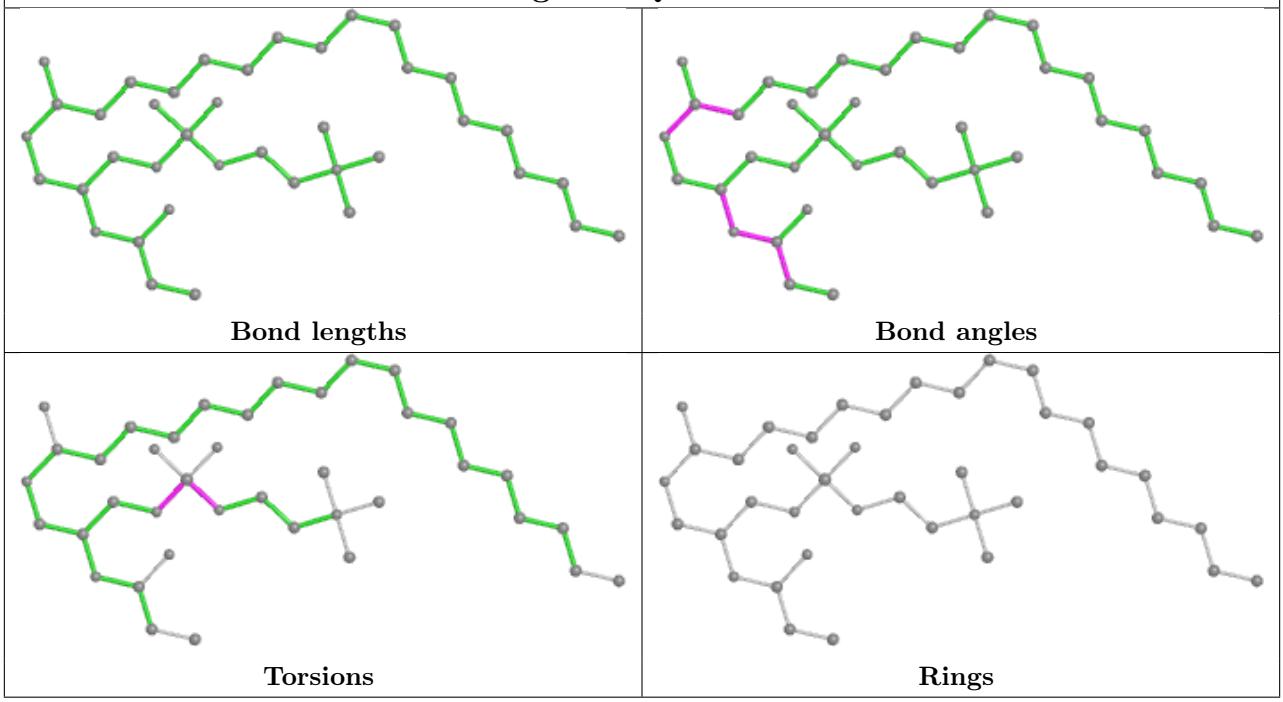
Ligand 7Q9 D 504



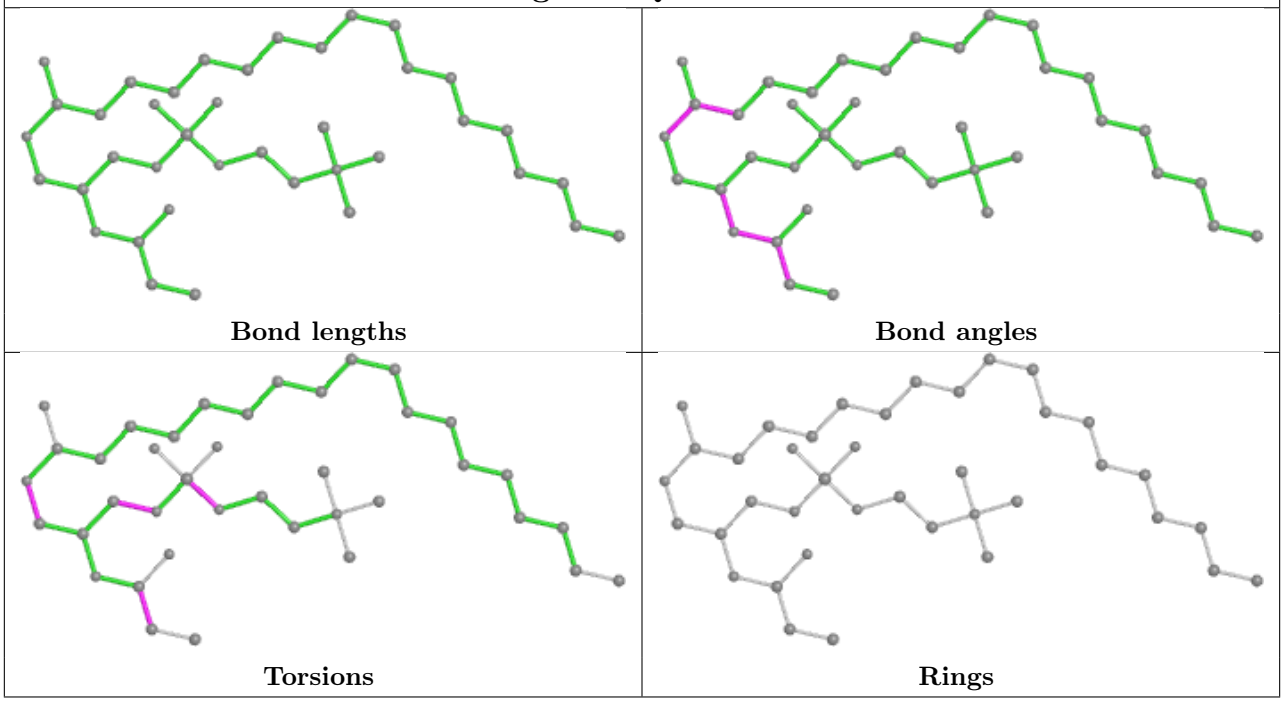
Ligand 7Q9 D 508



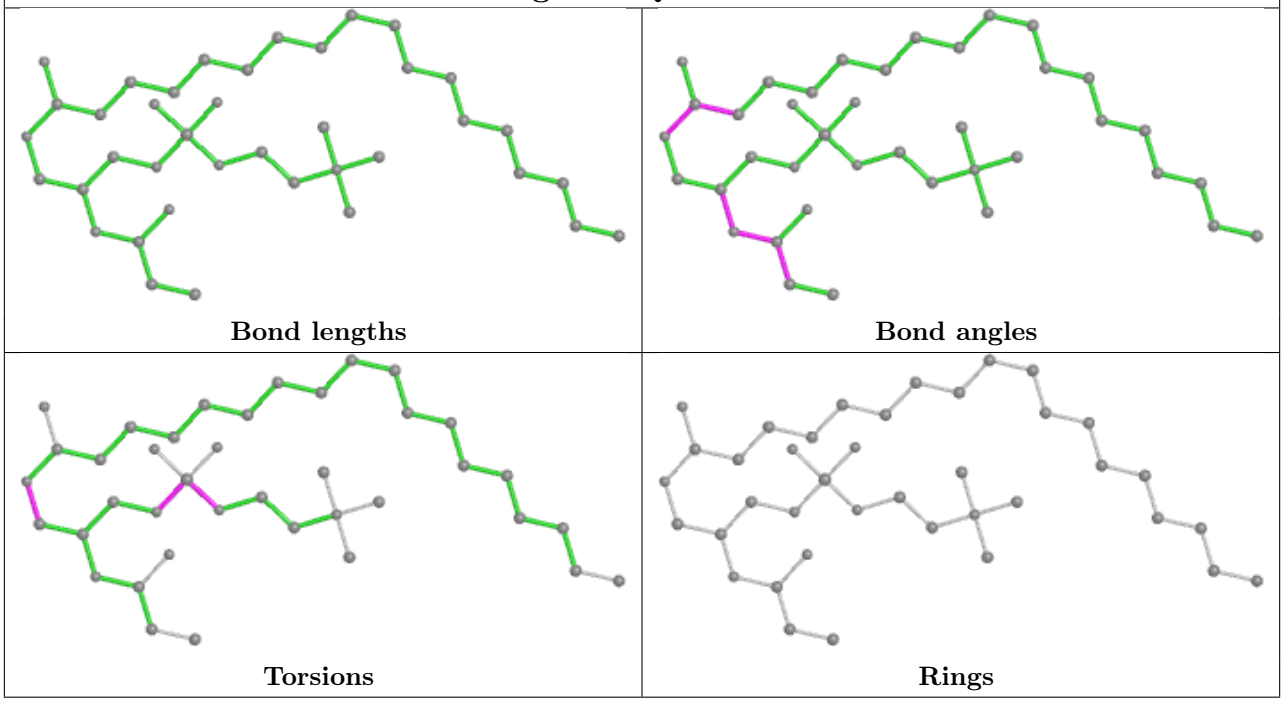
Ligand 7Q9 E 830



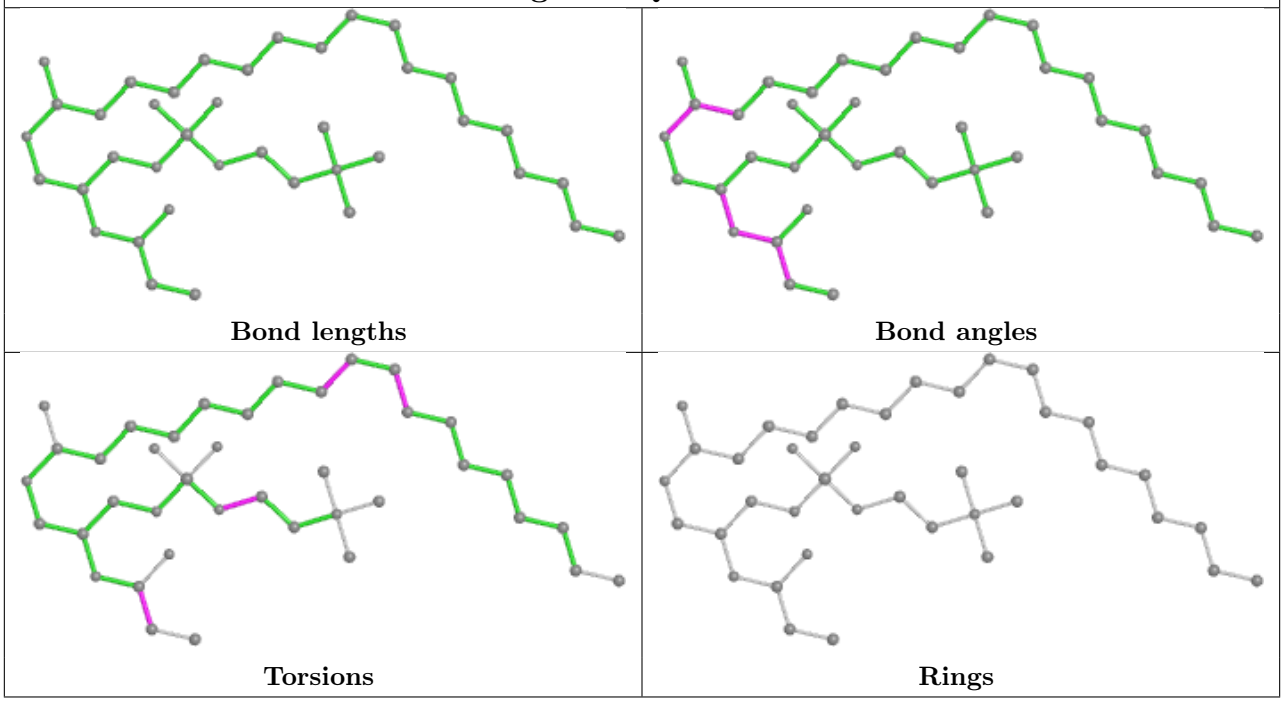
Ligand 7Q9 E 843



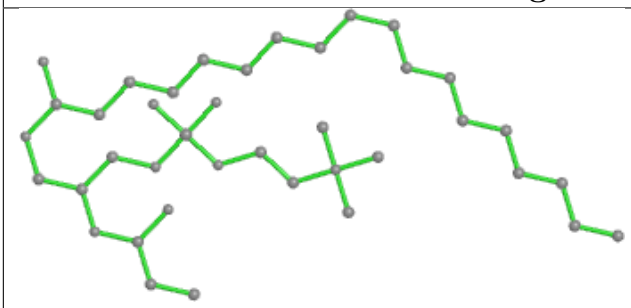
Ligand 7Q9 E 826



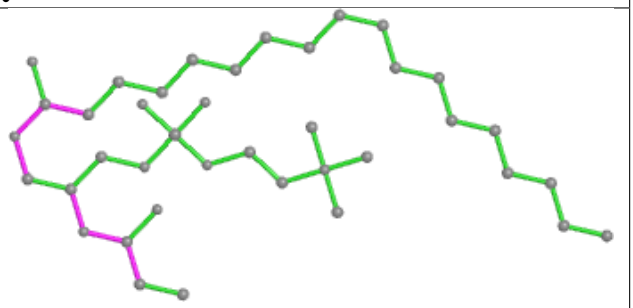
Ligand 7Q9 A 217



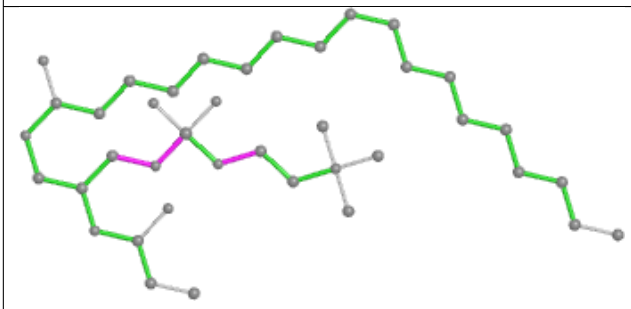
Ligand 7Q9 D 529



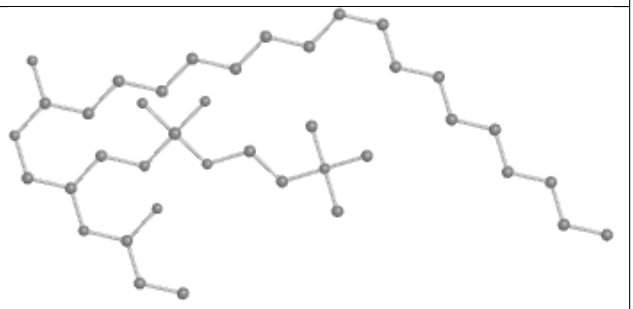
Bond lengths



Bond angles

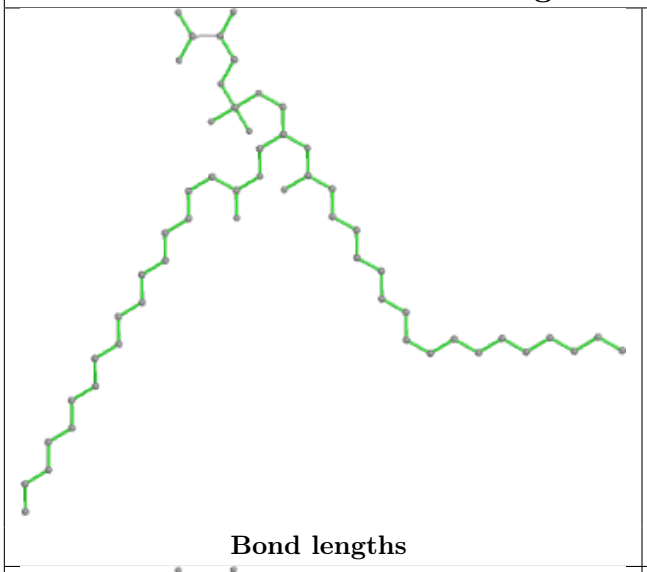


Torsions

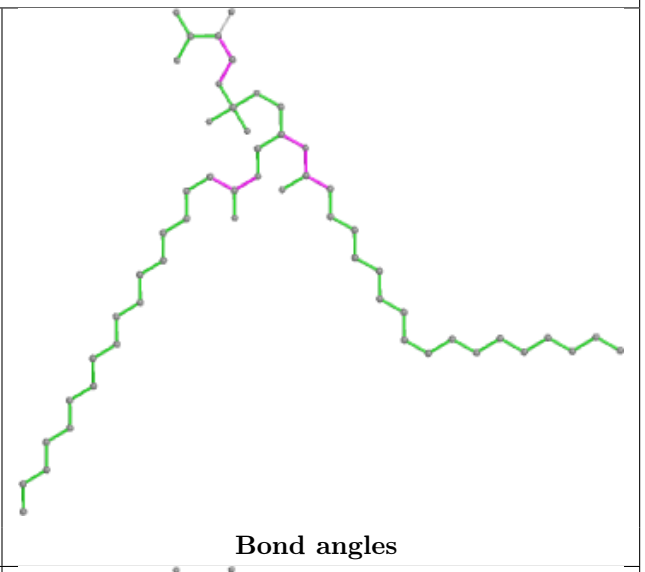


Rings

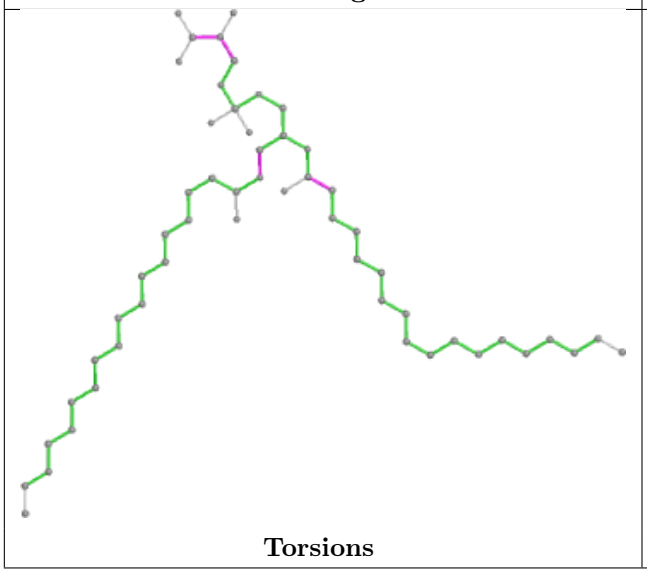
Ligand 17F E 817



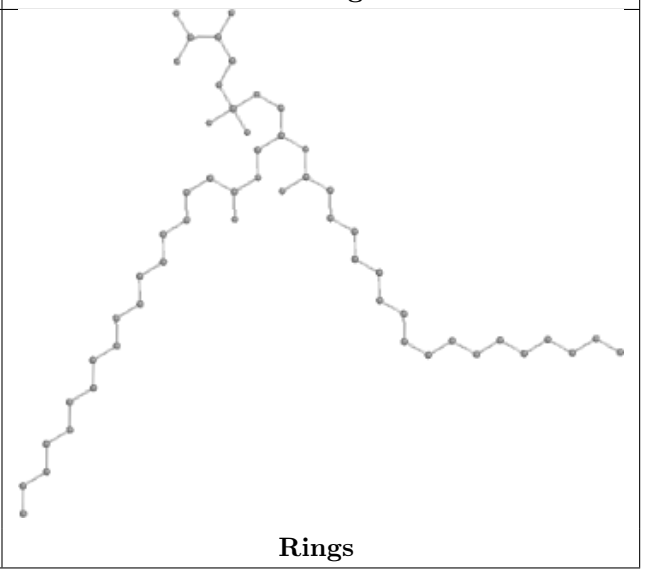
Bond lengths



Bond angles

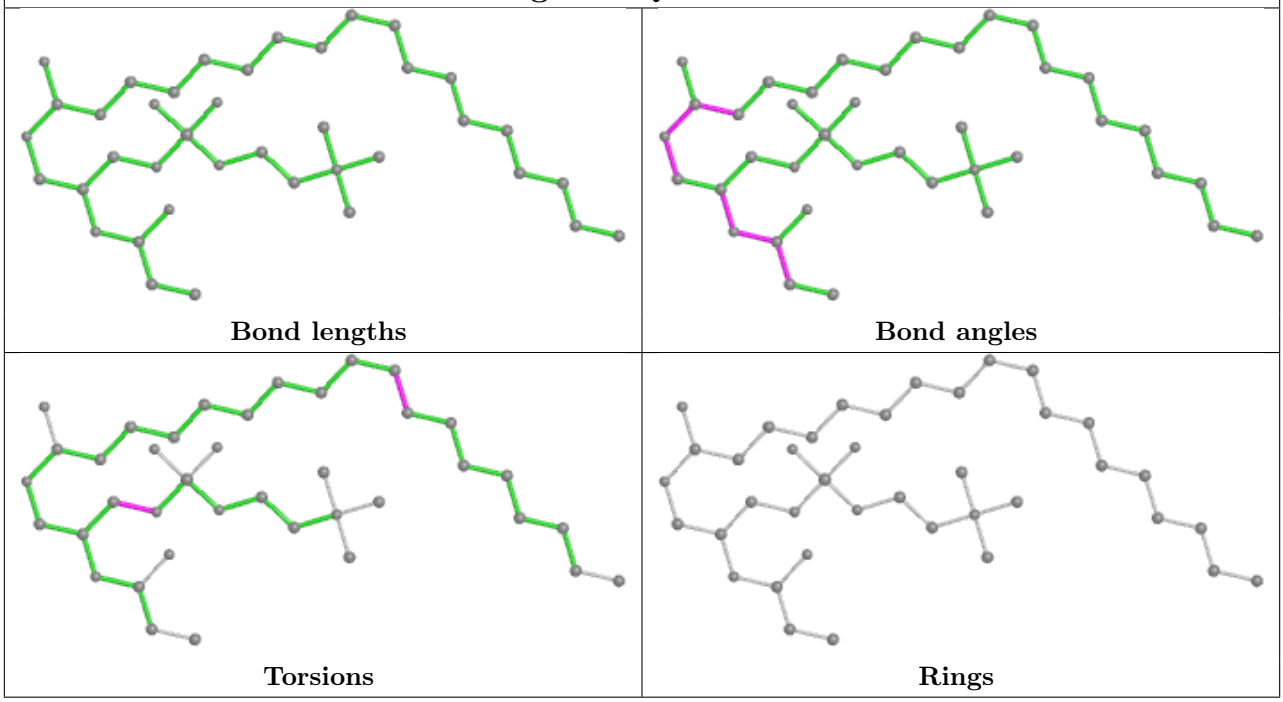


Torsions

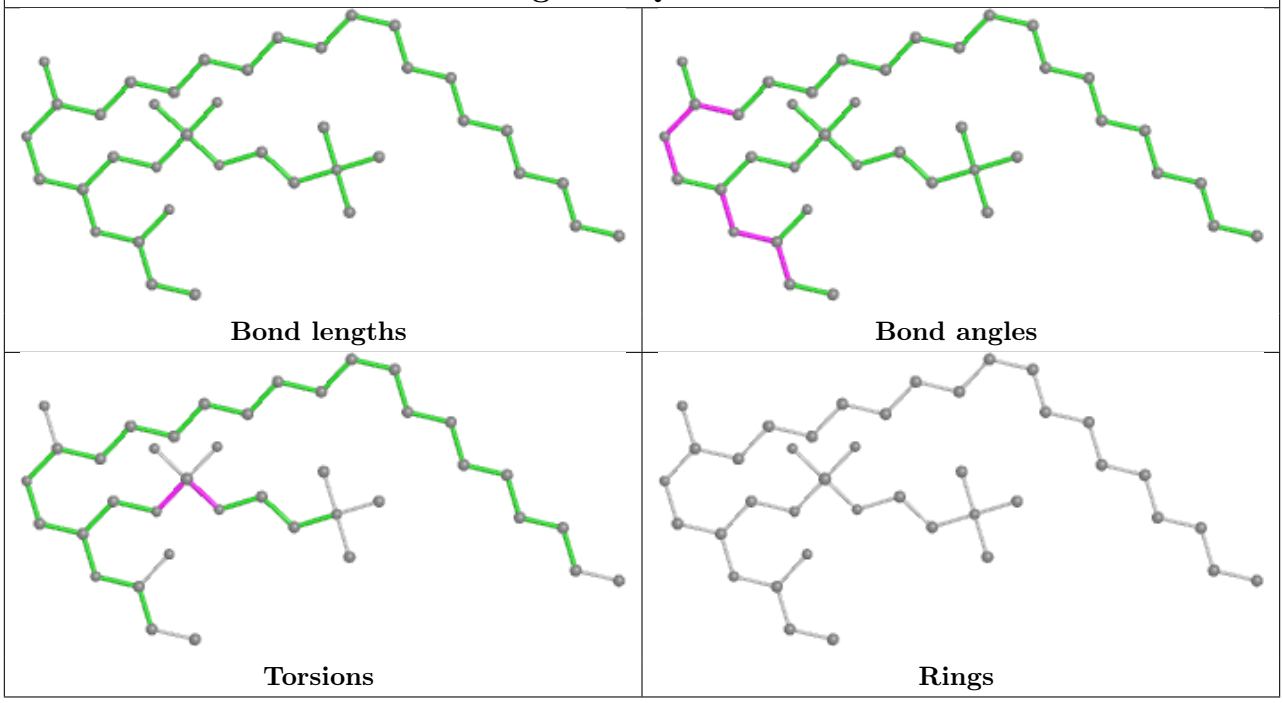


Rings

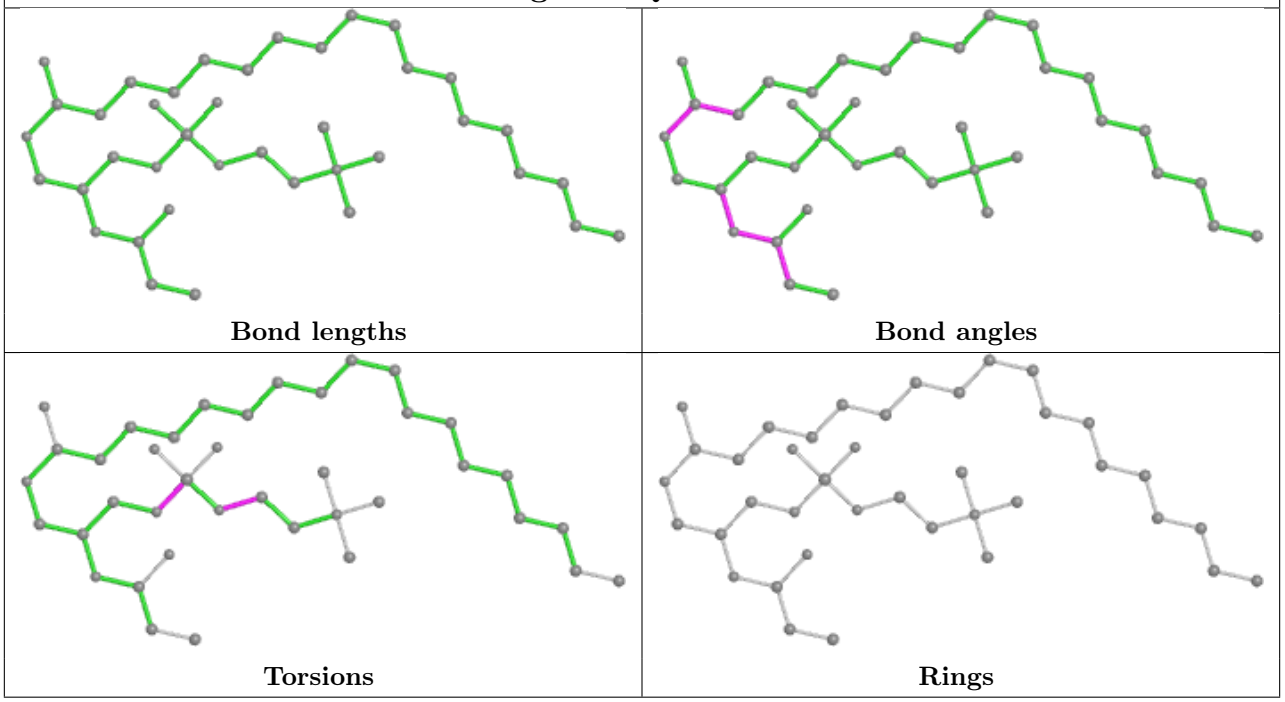
Ligand 7Q9 A 211



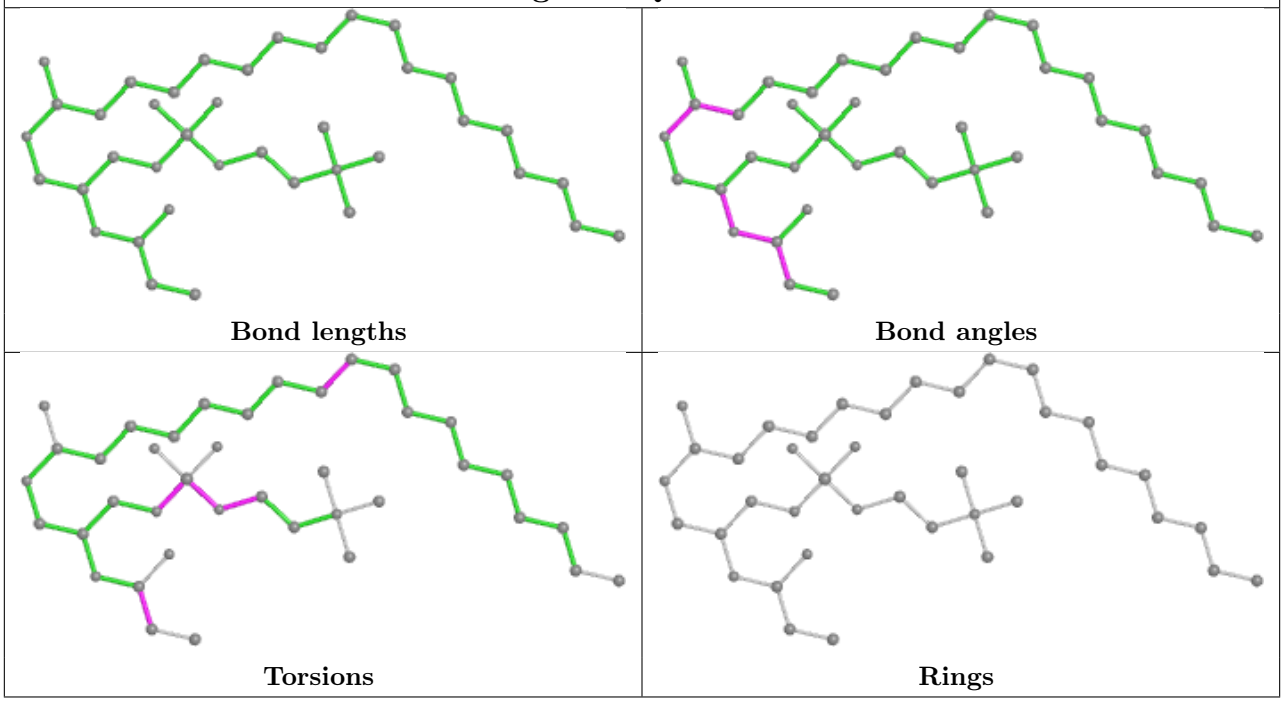
Ligand 7Q9 E 877



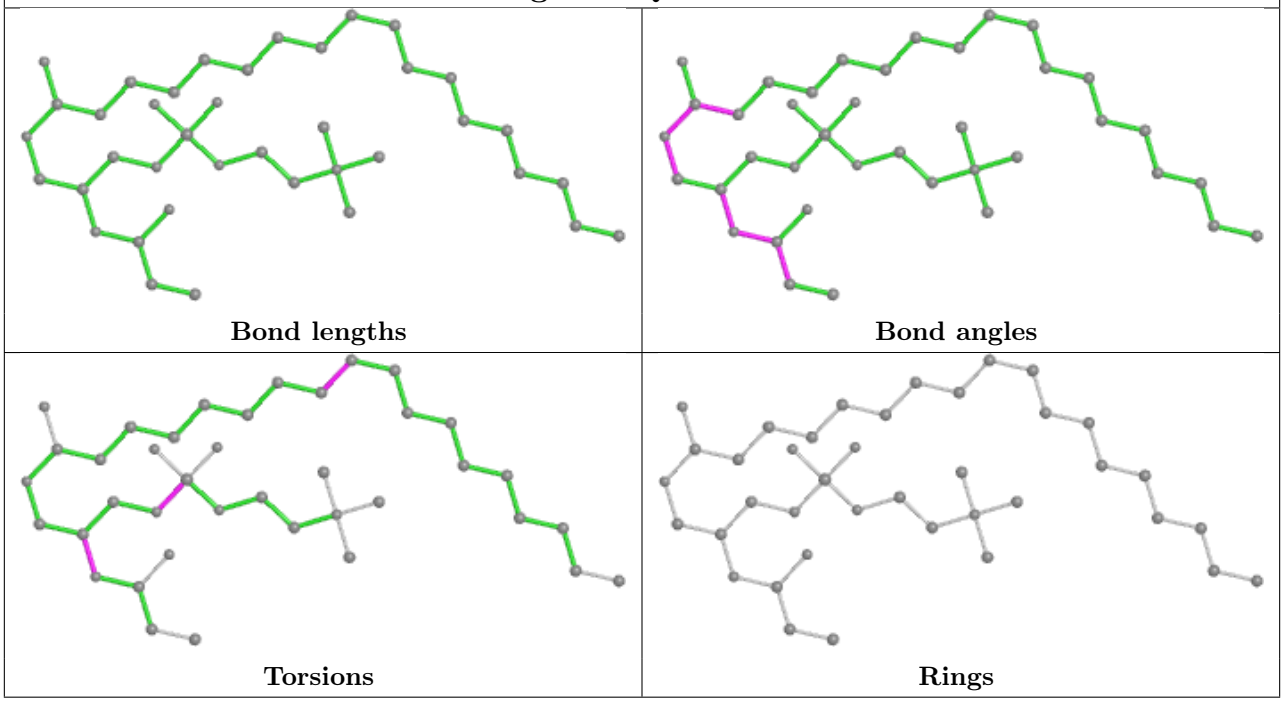
Ligand 7Q9 D 512



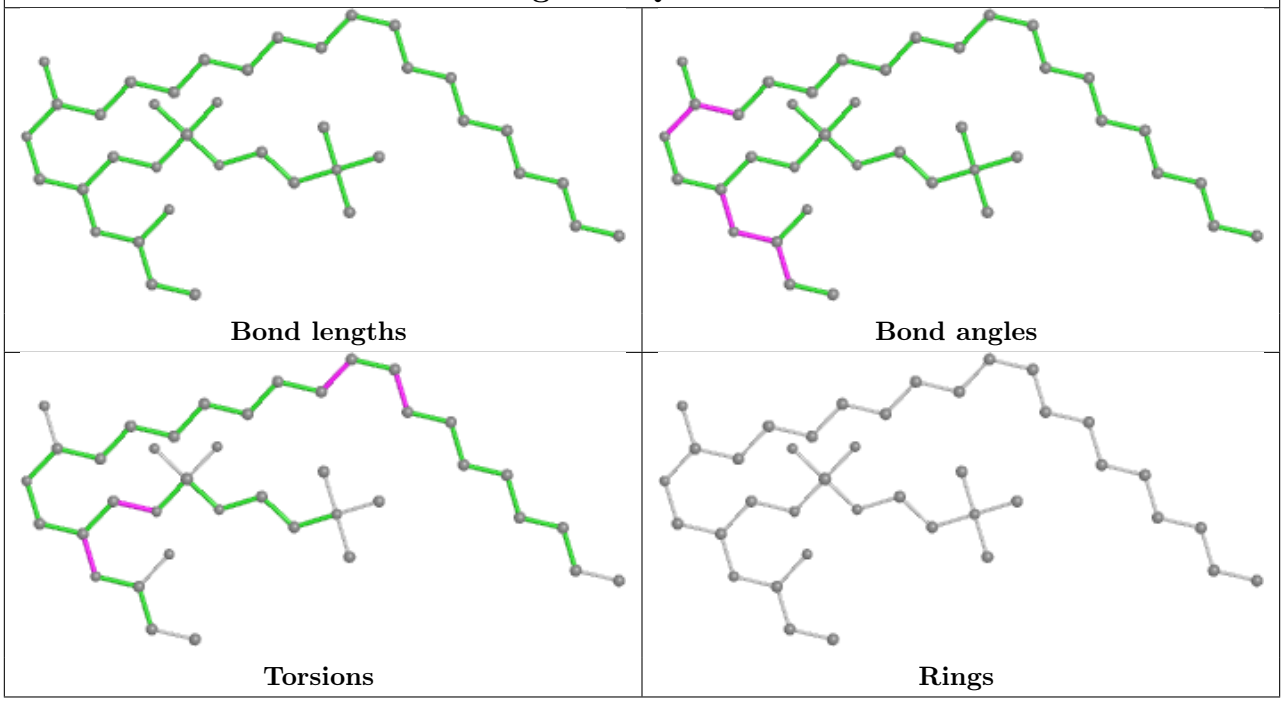
Ligand 7Q9 E 853



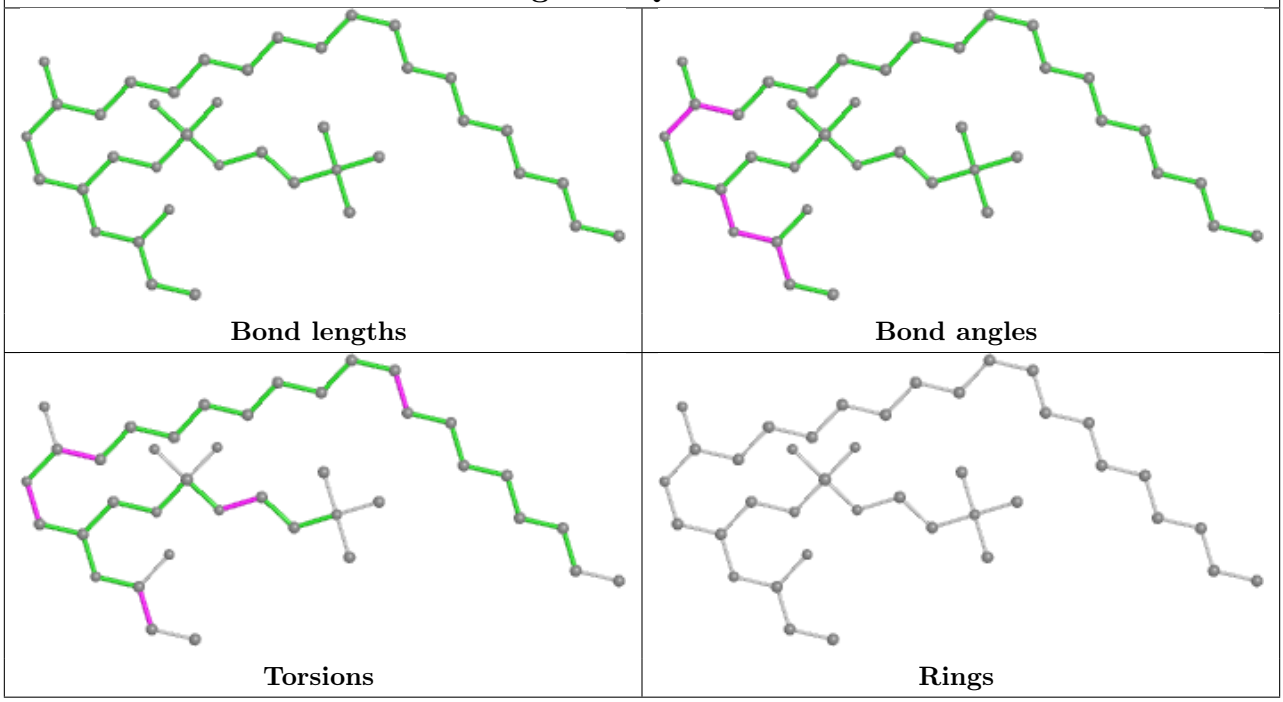
Ligand 7Q9 D 542



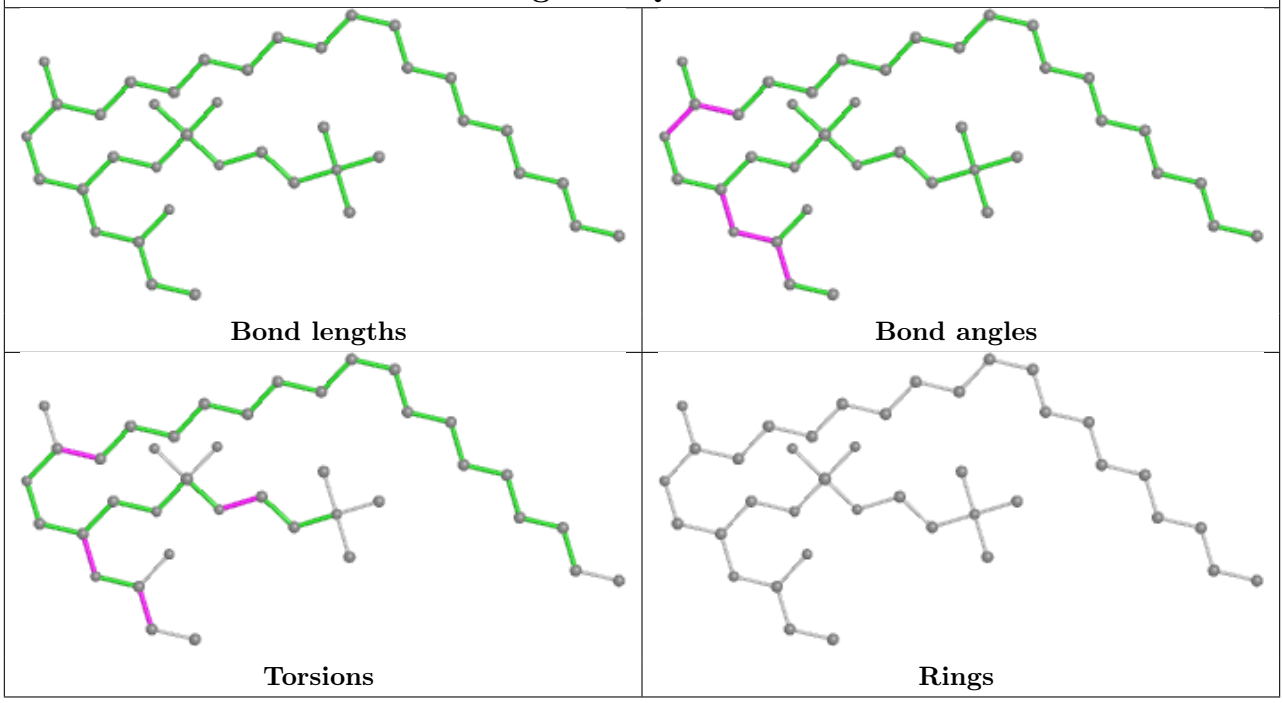
Ligand 7Q9 E 867



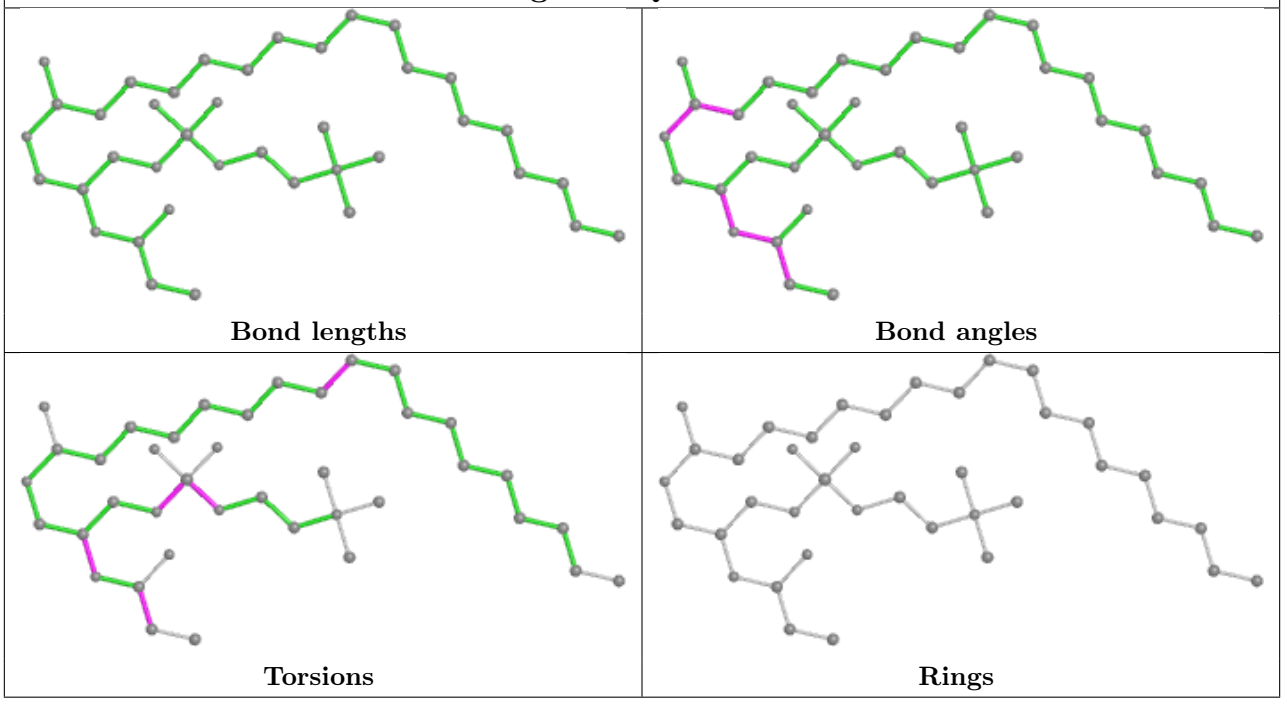
Ligand 7Q9 B 207



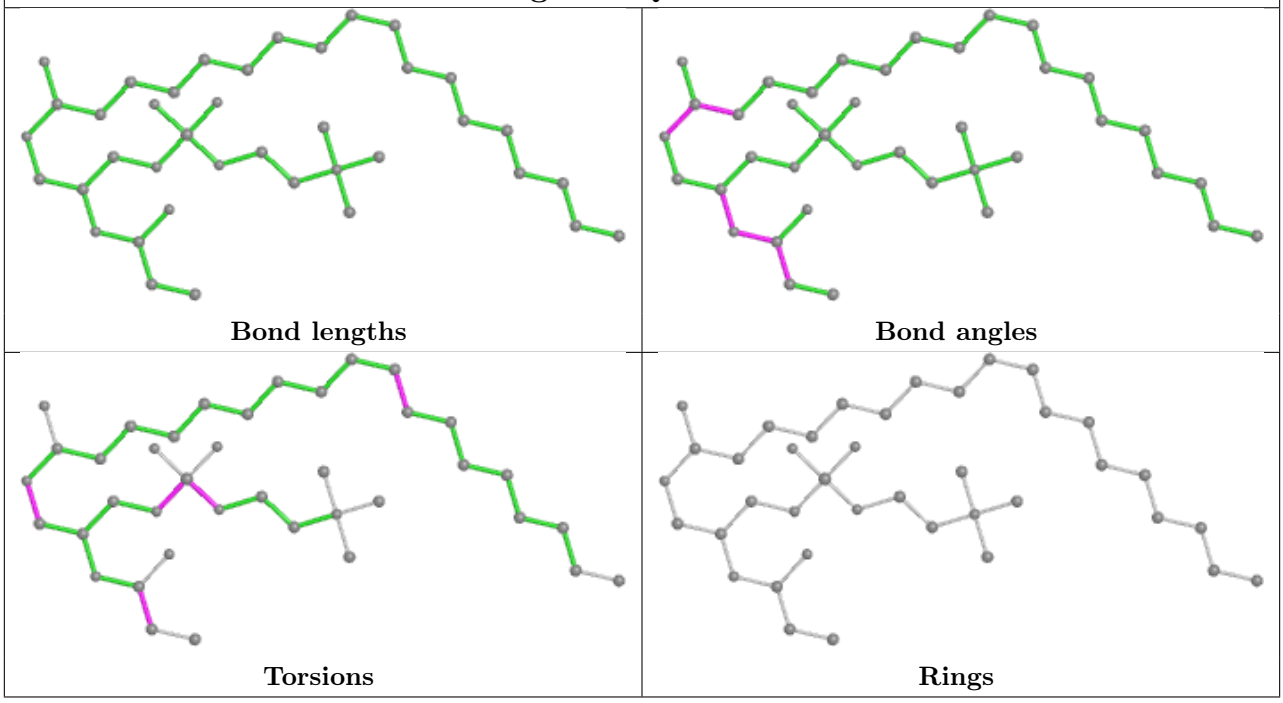
Ligand 7Q9 E 847



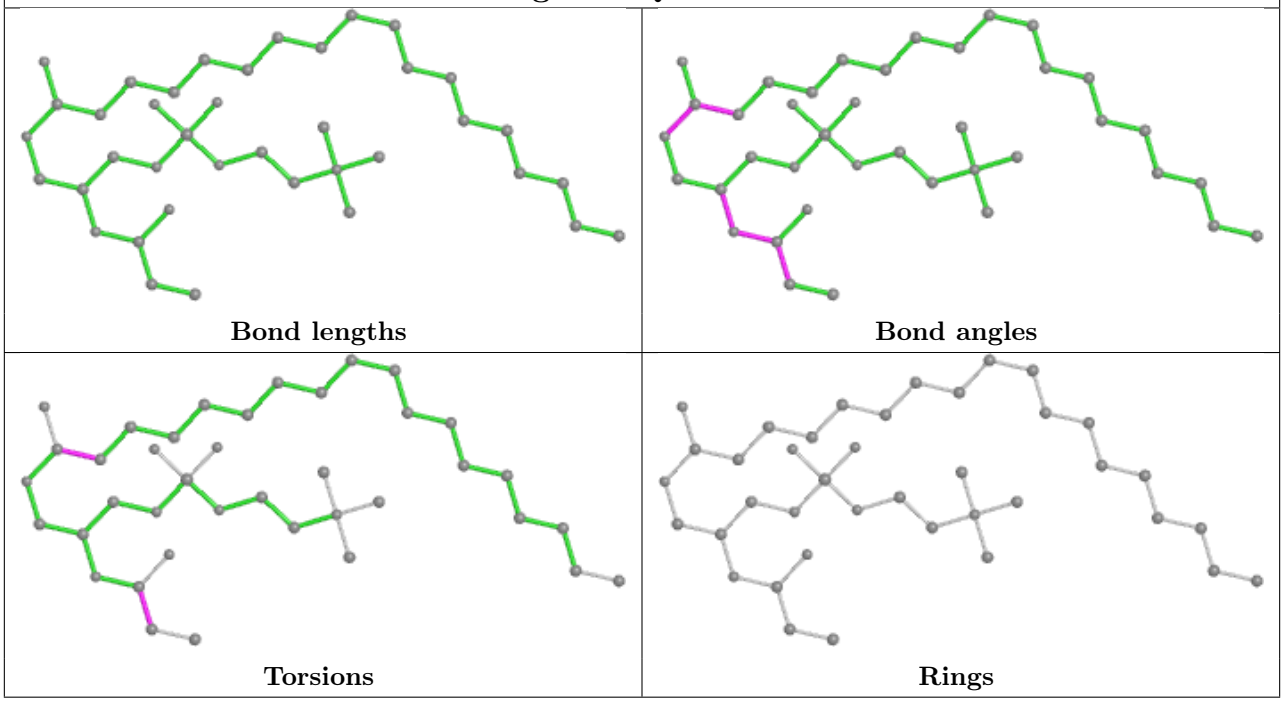
Ligand 7Q9 D 525



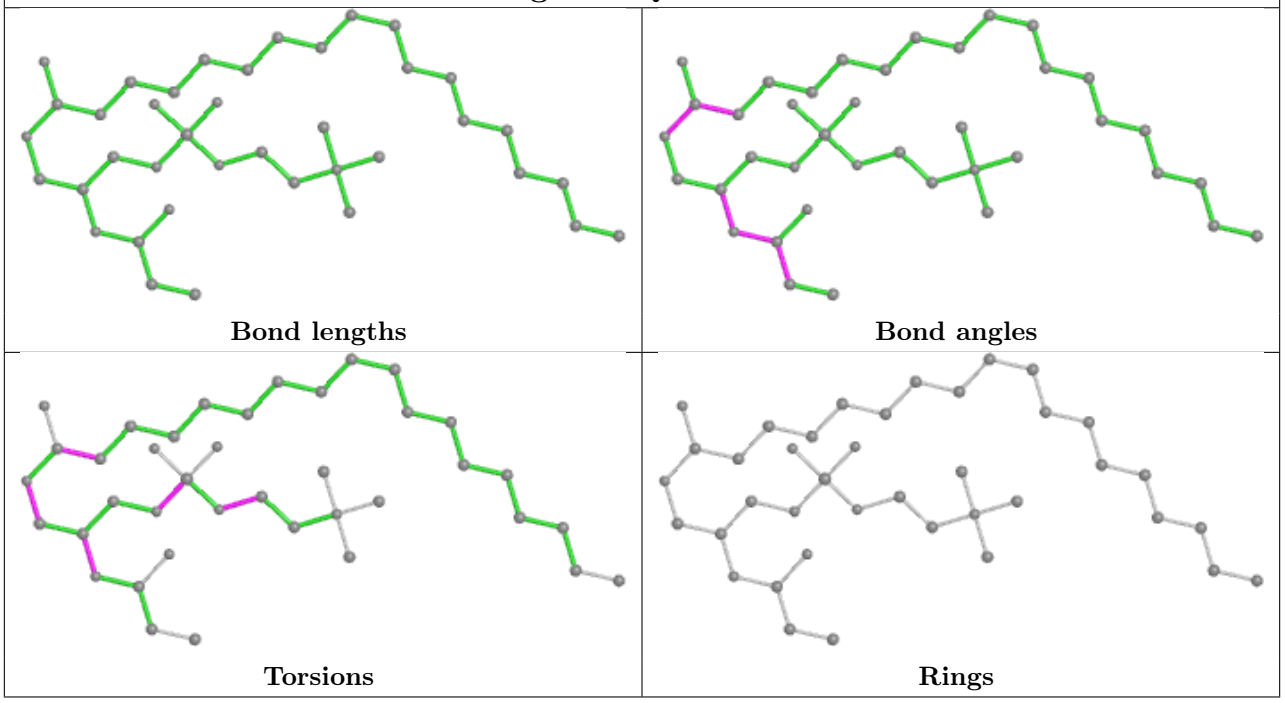
Ligand 7Q9 D 515



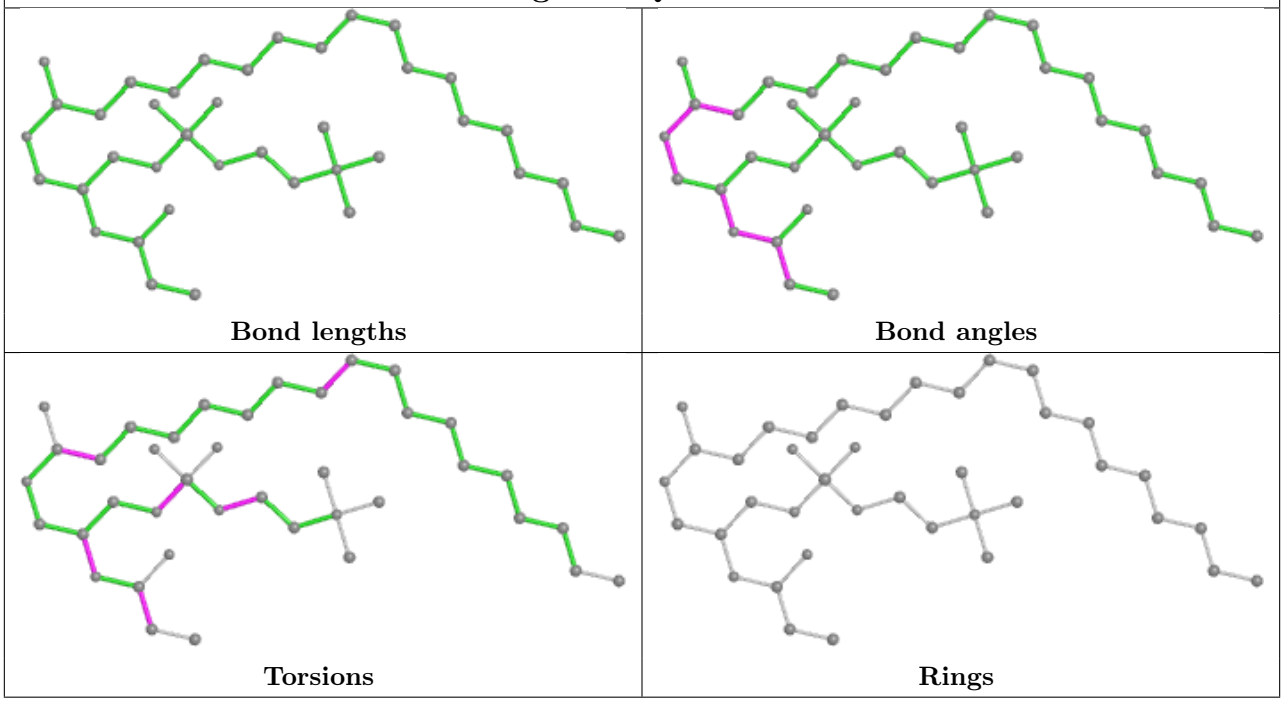
Ligand 7Q9 E 857



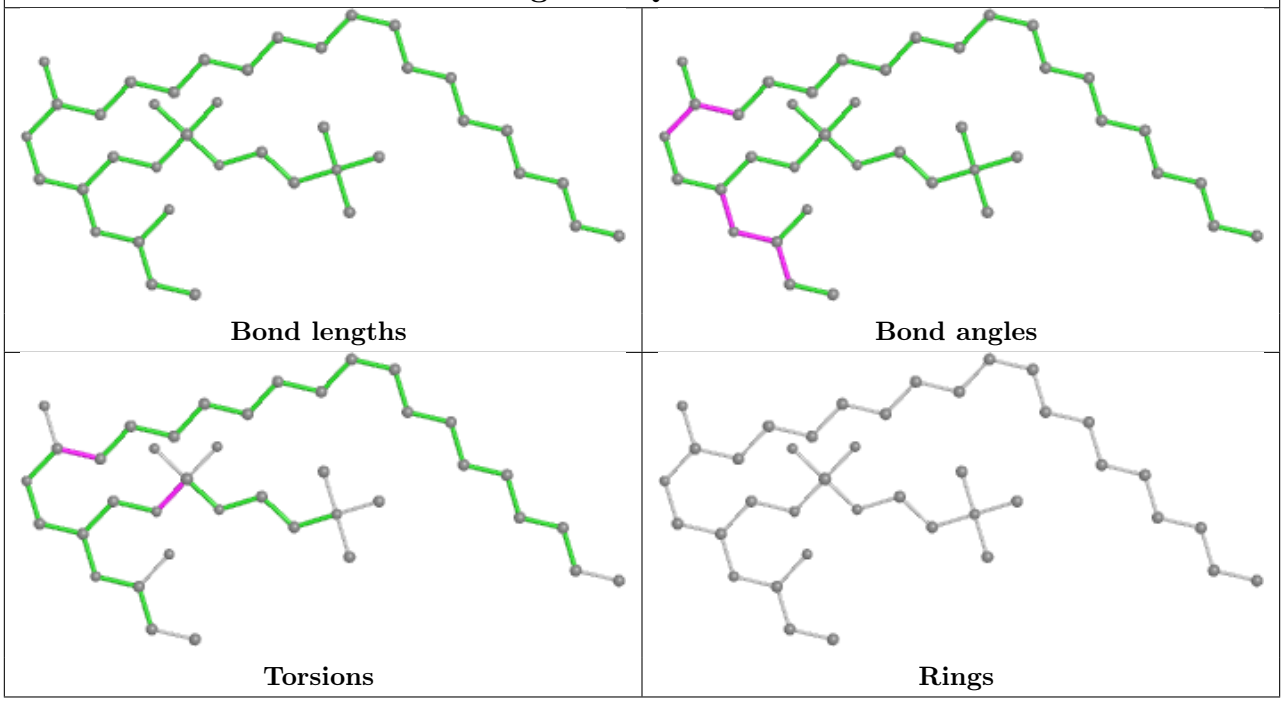
Ligand 7Q9 D 549



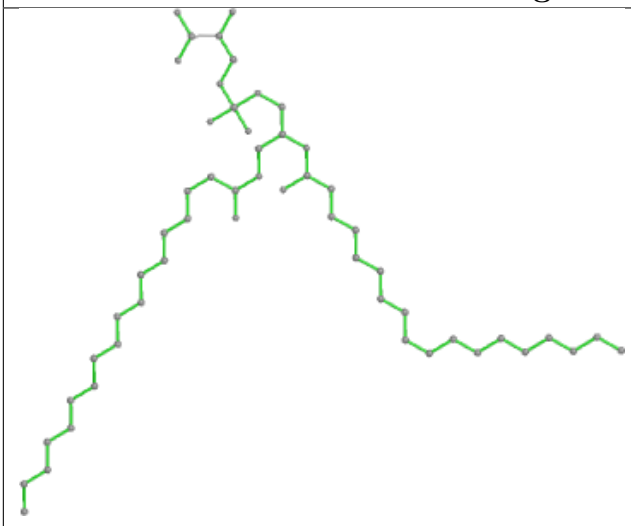
Ligand 7Q9 E 850



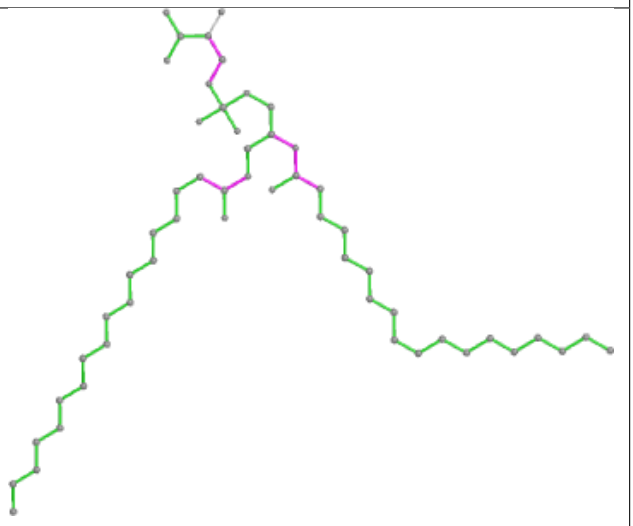
Ligand 7Q9 D 519



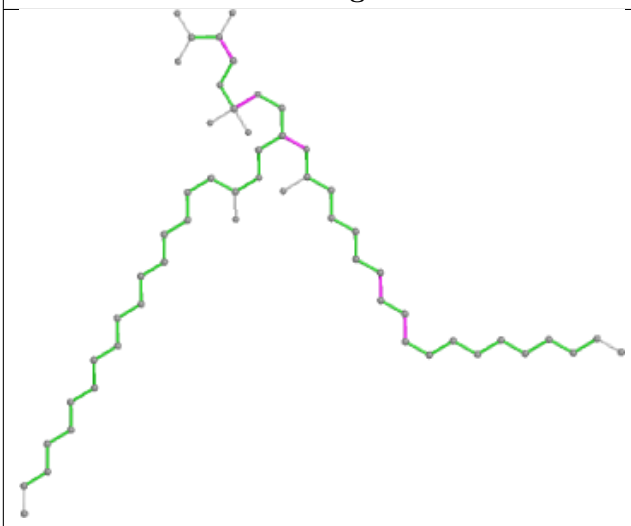
Ligand 17F E 801



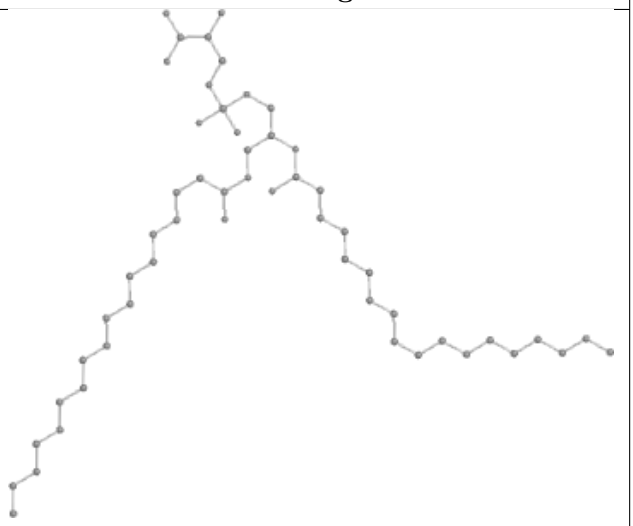
Bond lengths



Bond angles

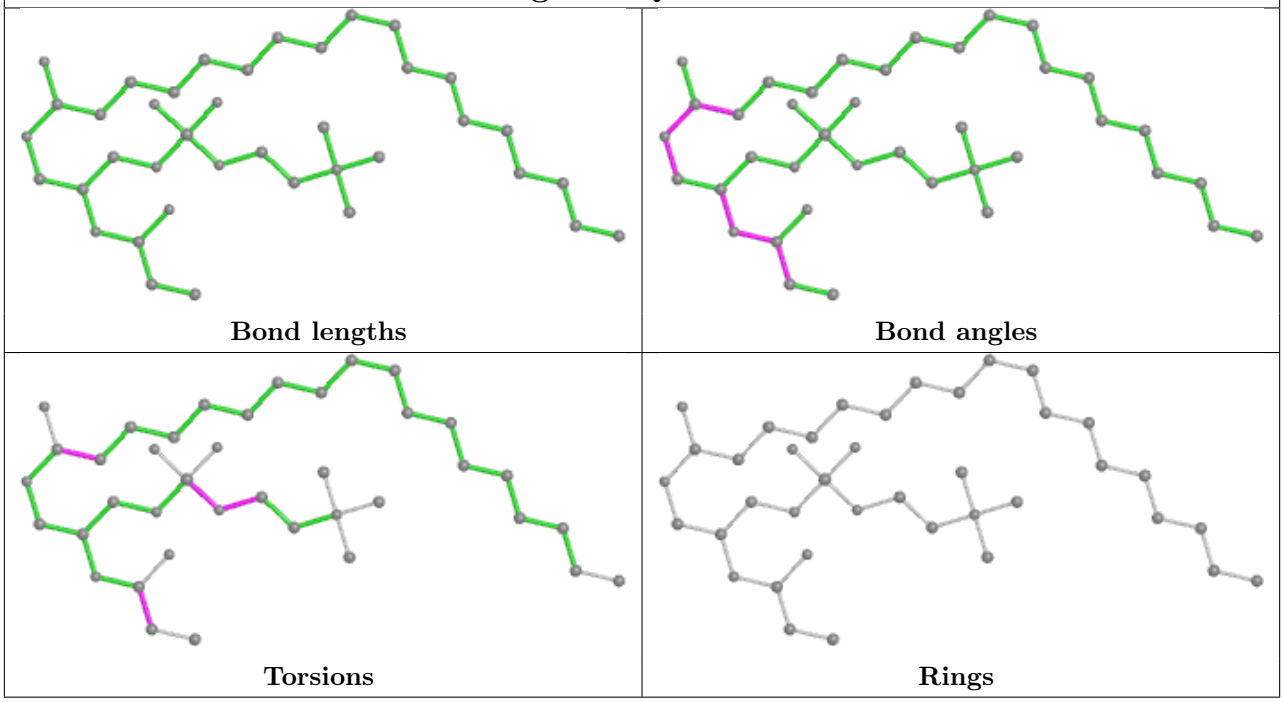


Torsions

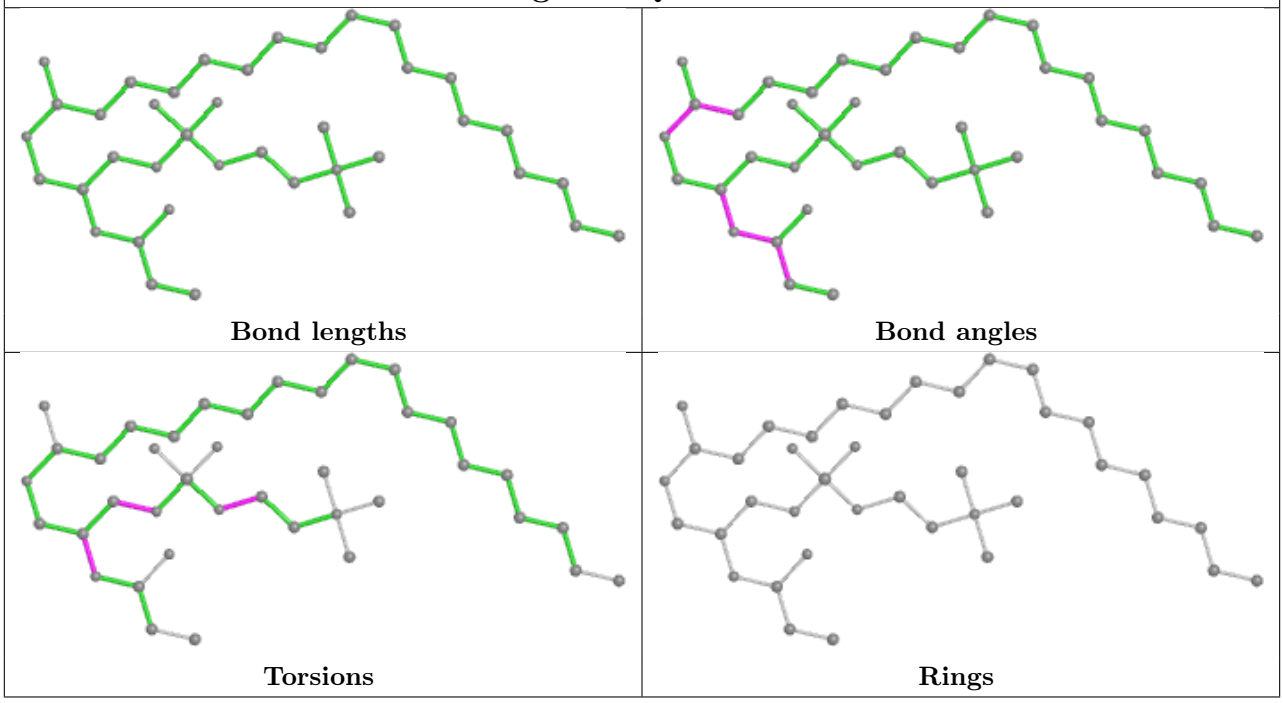


Rings

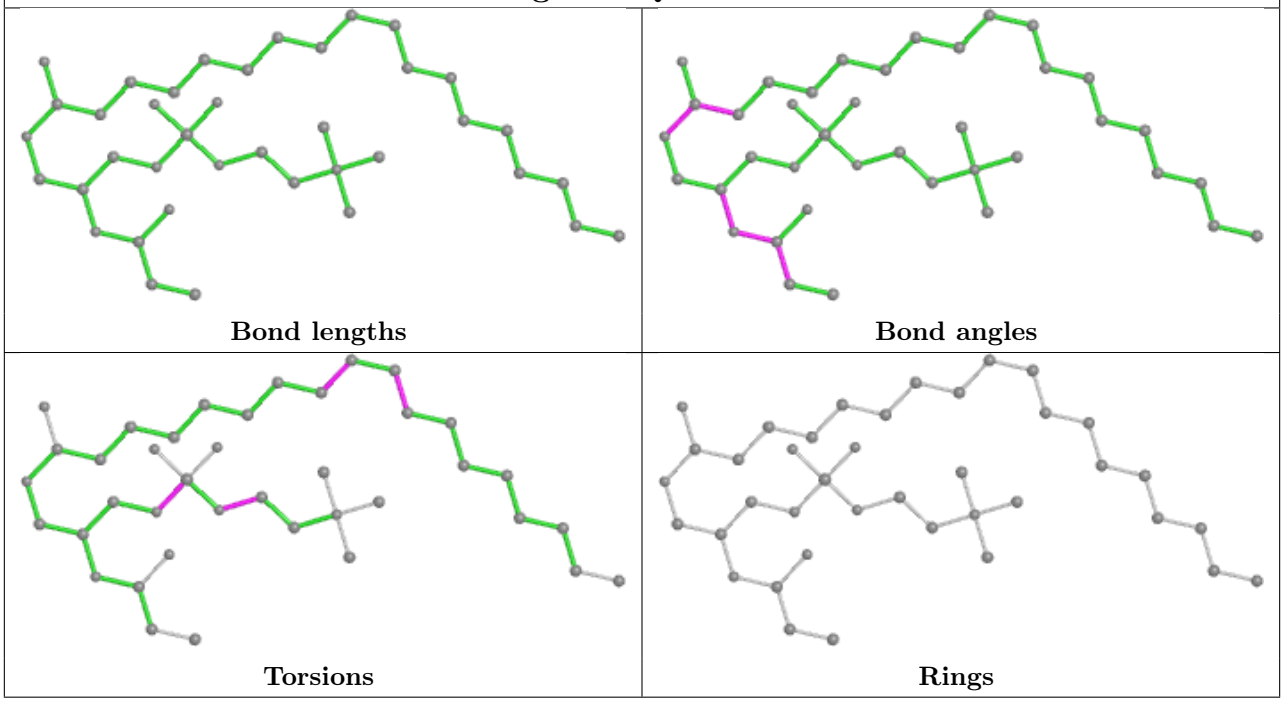
Ligand 7Q9 B 218



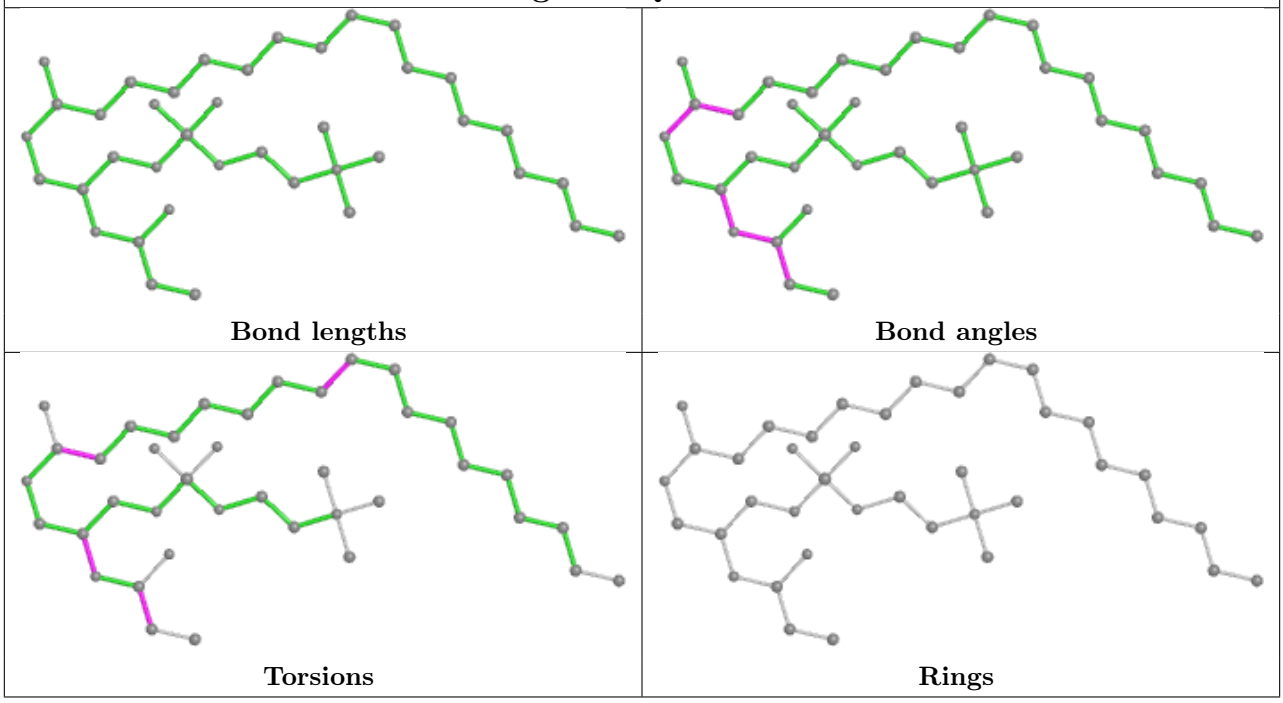
Ligand 7Q9 E 840



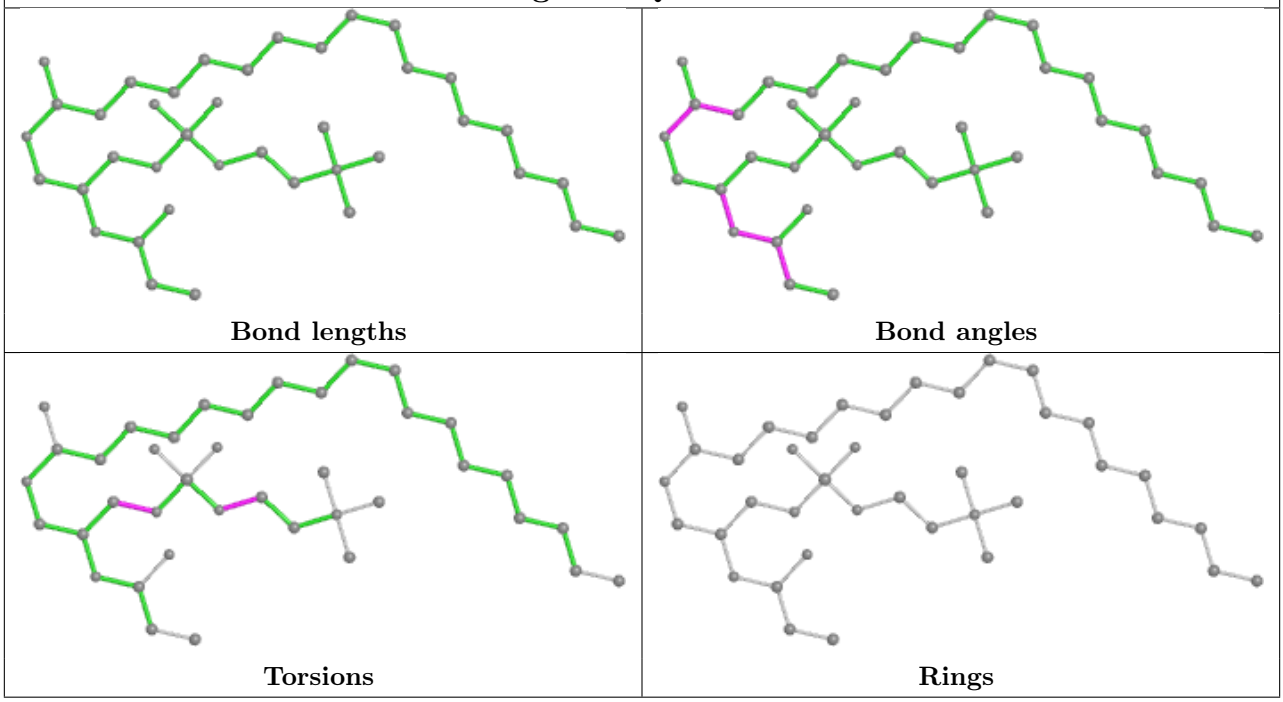
Ligand 7Q9 E 865



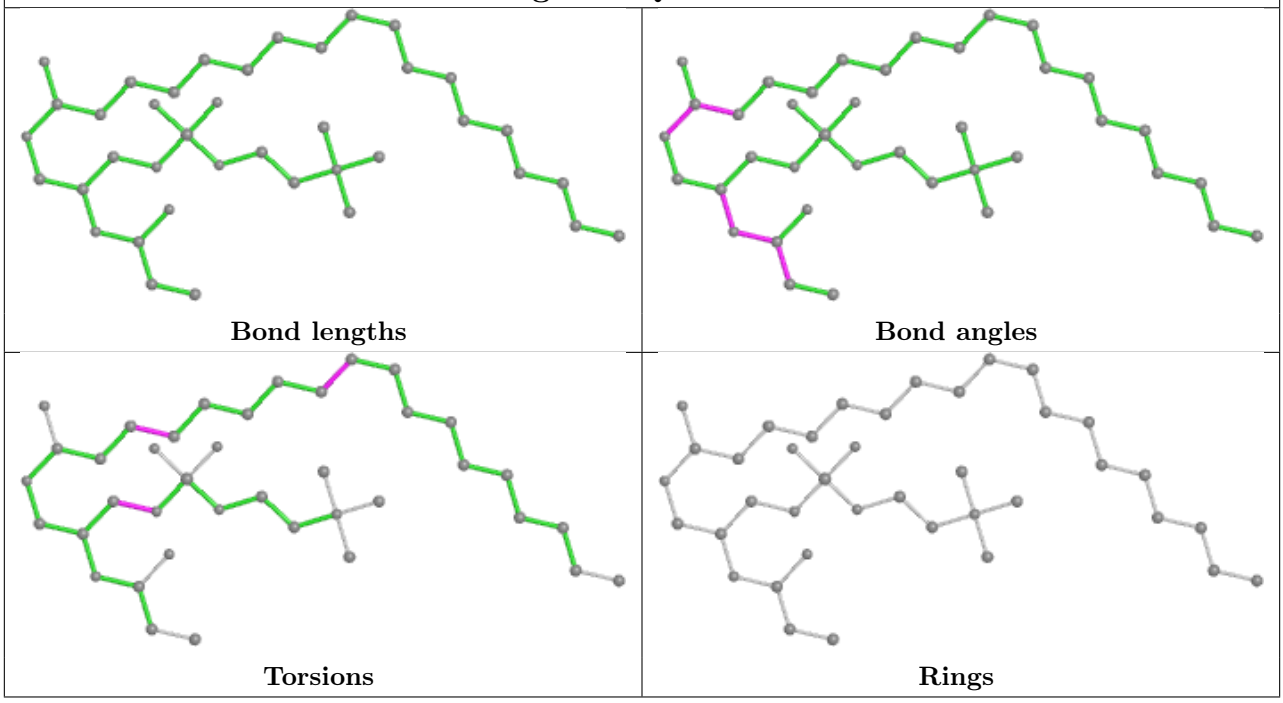
Ligand 7Q9 E 815



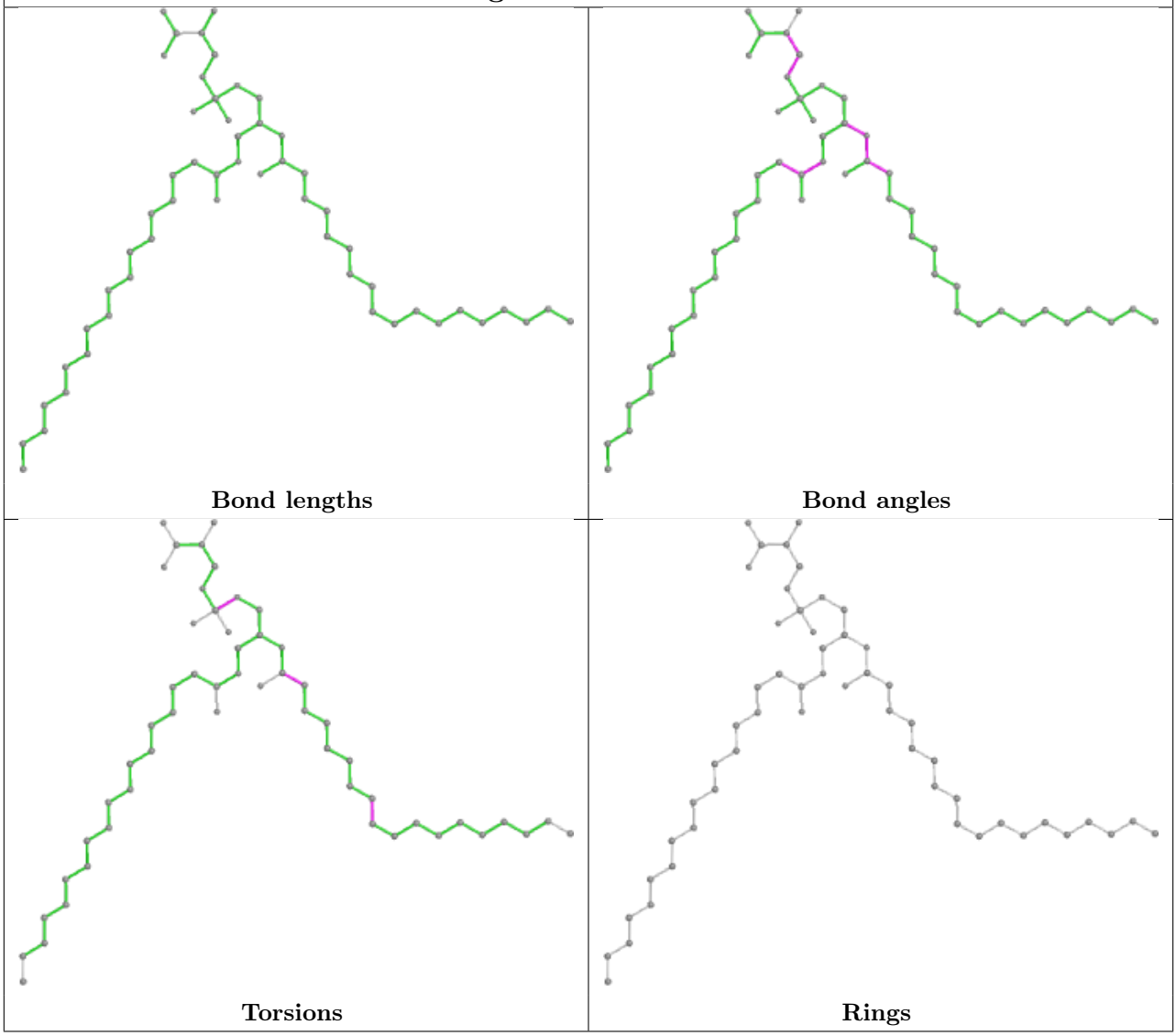
Ligand 7Q9 E 820



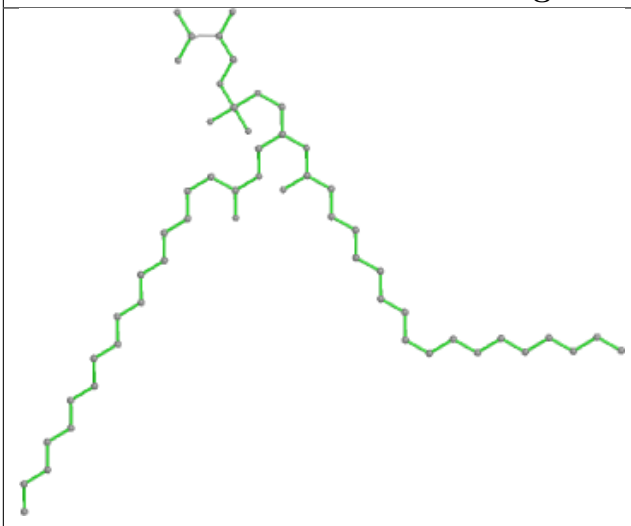
Ligand 7Q9 E 803



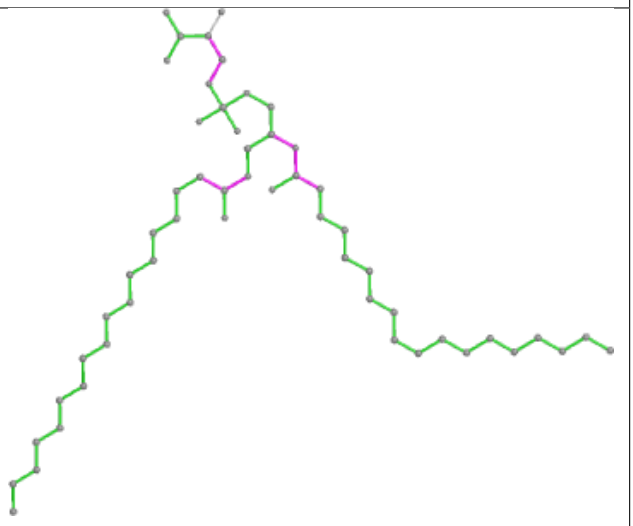
Ligand 17F D 533



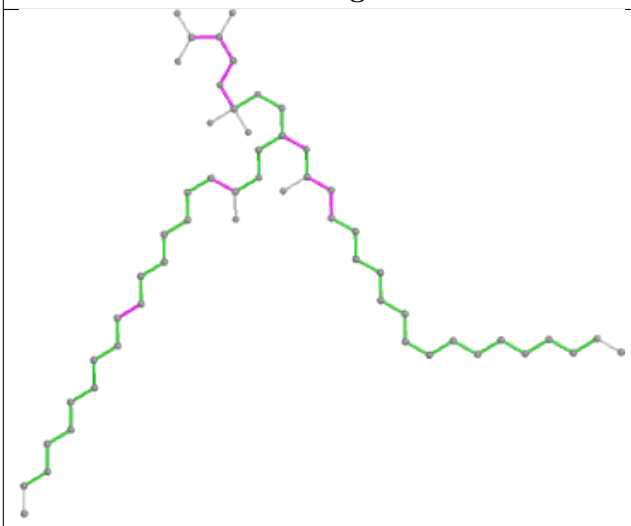
Ligand 17F E 818



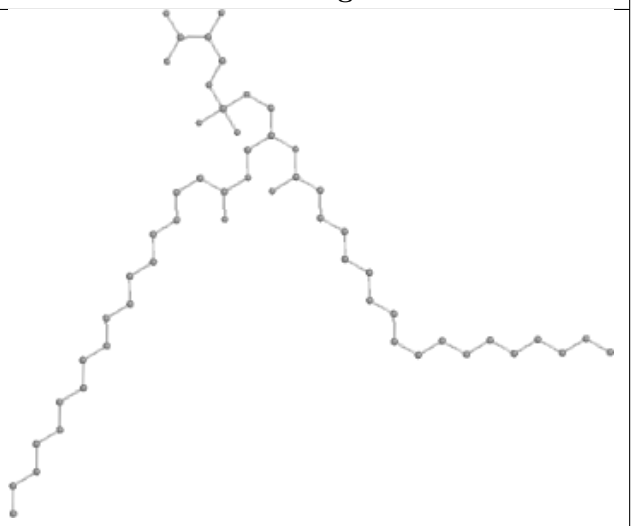
Bond lengths



Bond angles

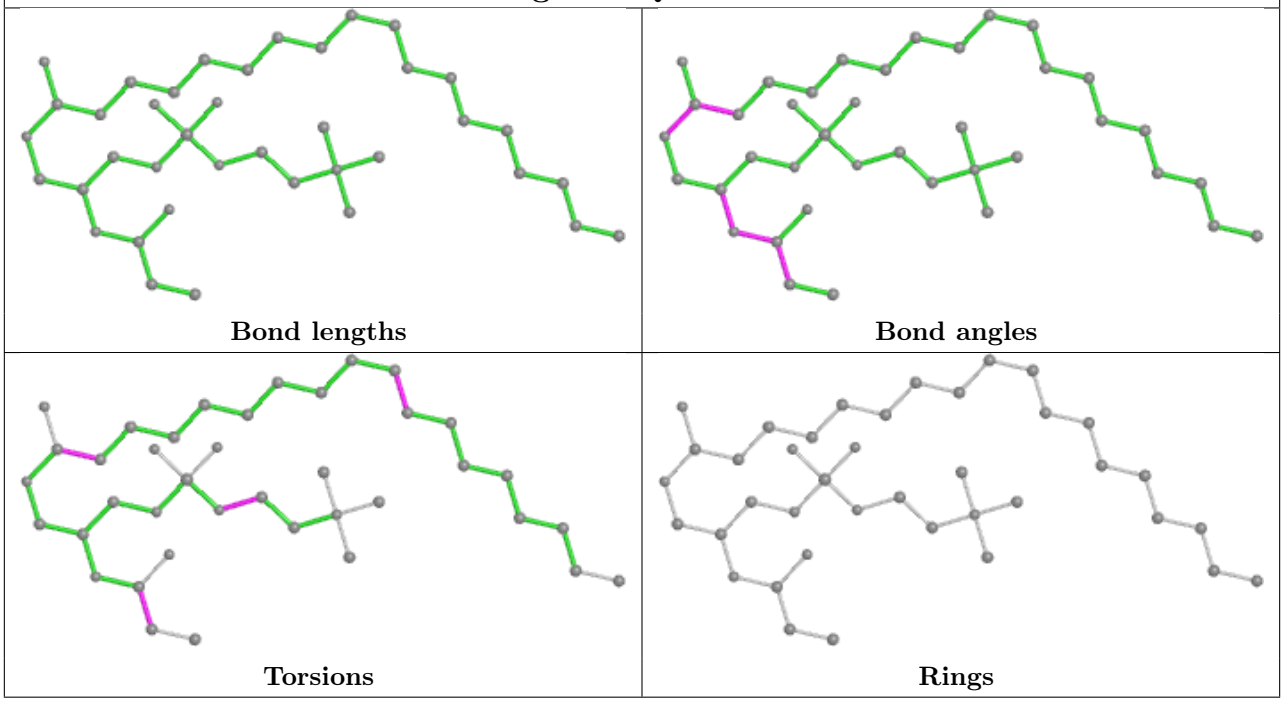


Torsions

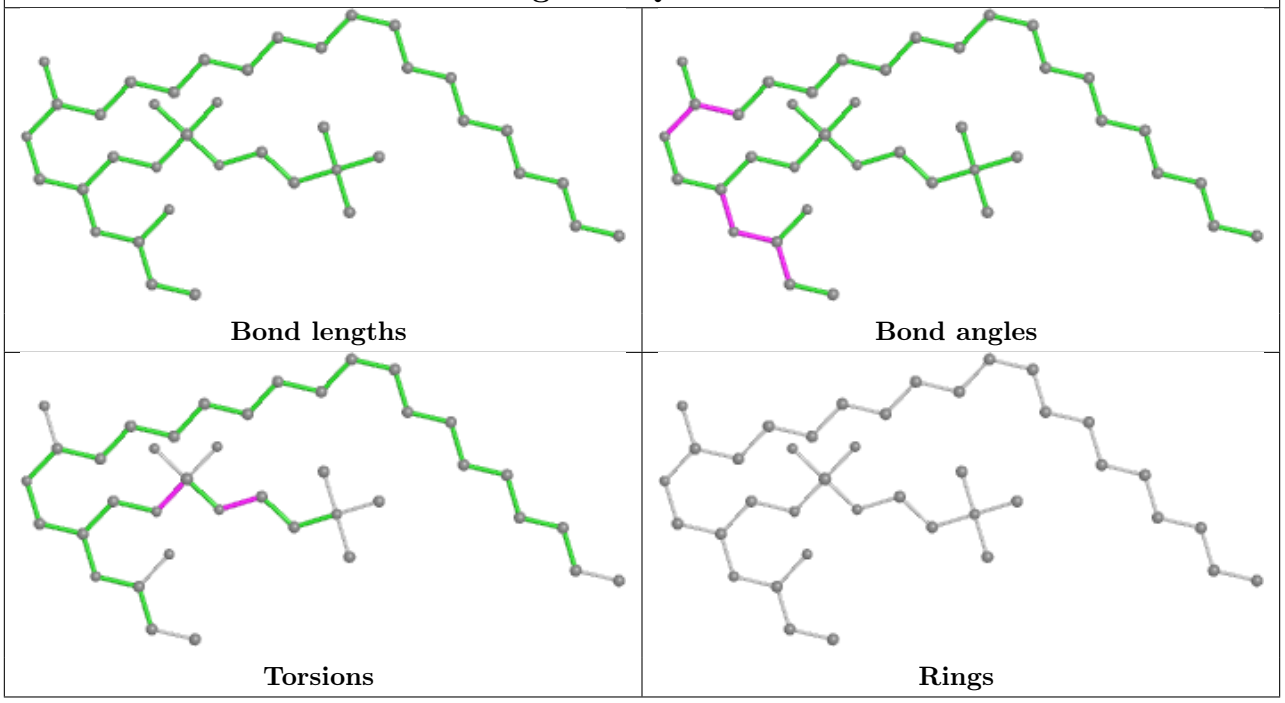


Rings

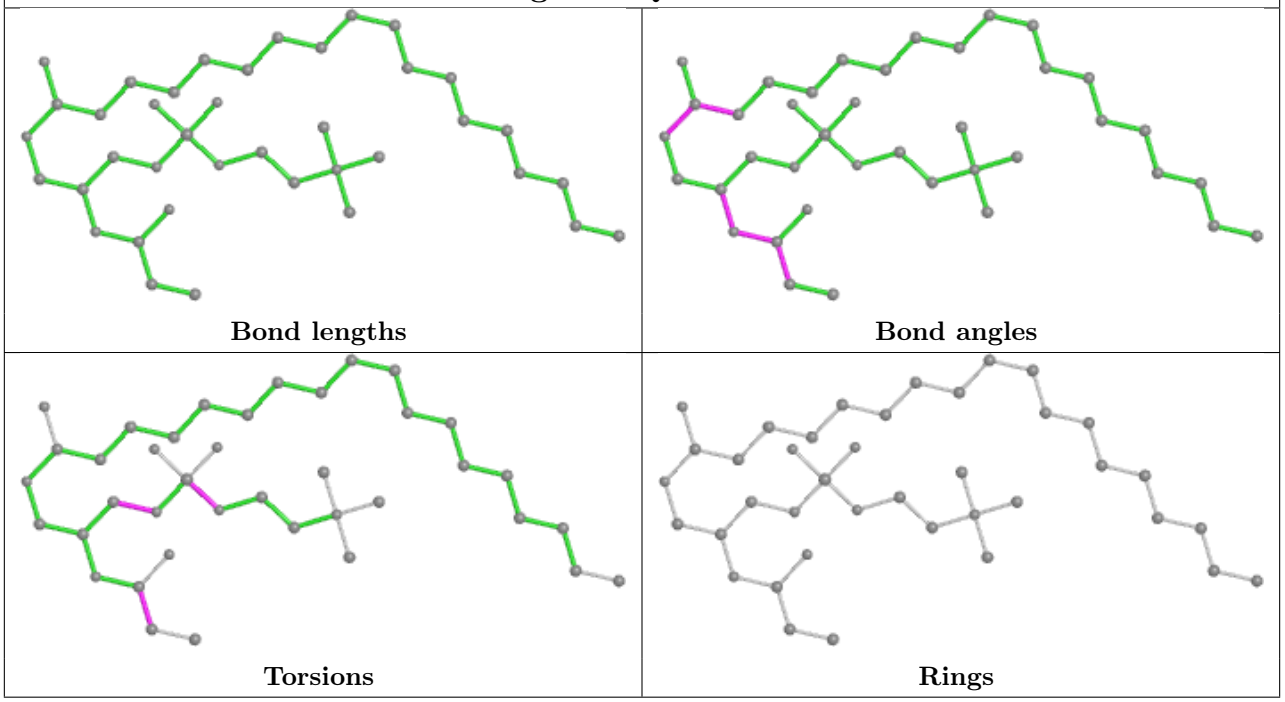
Ligand 7Q9 E 808



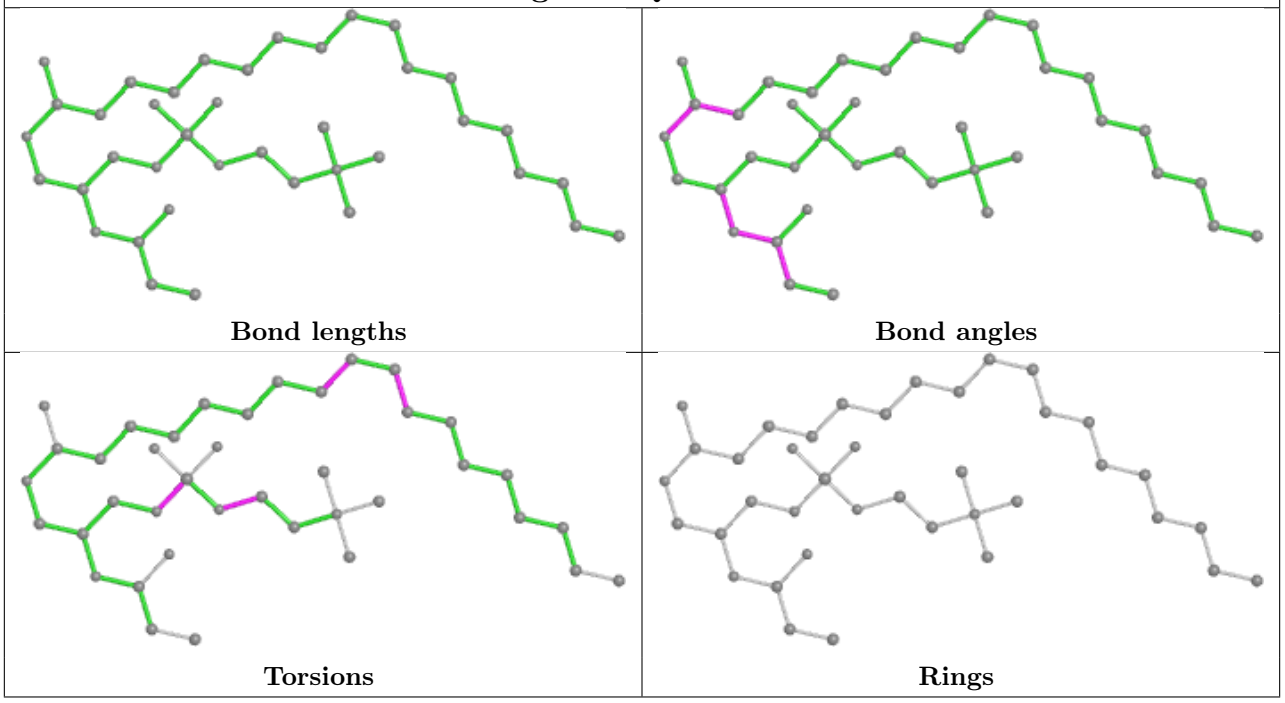
Ligand 7Q9 E 823



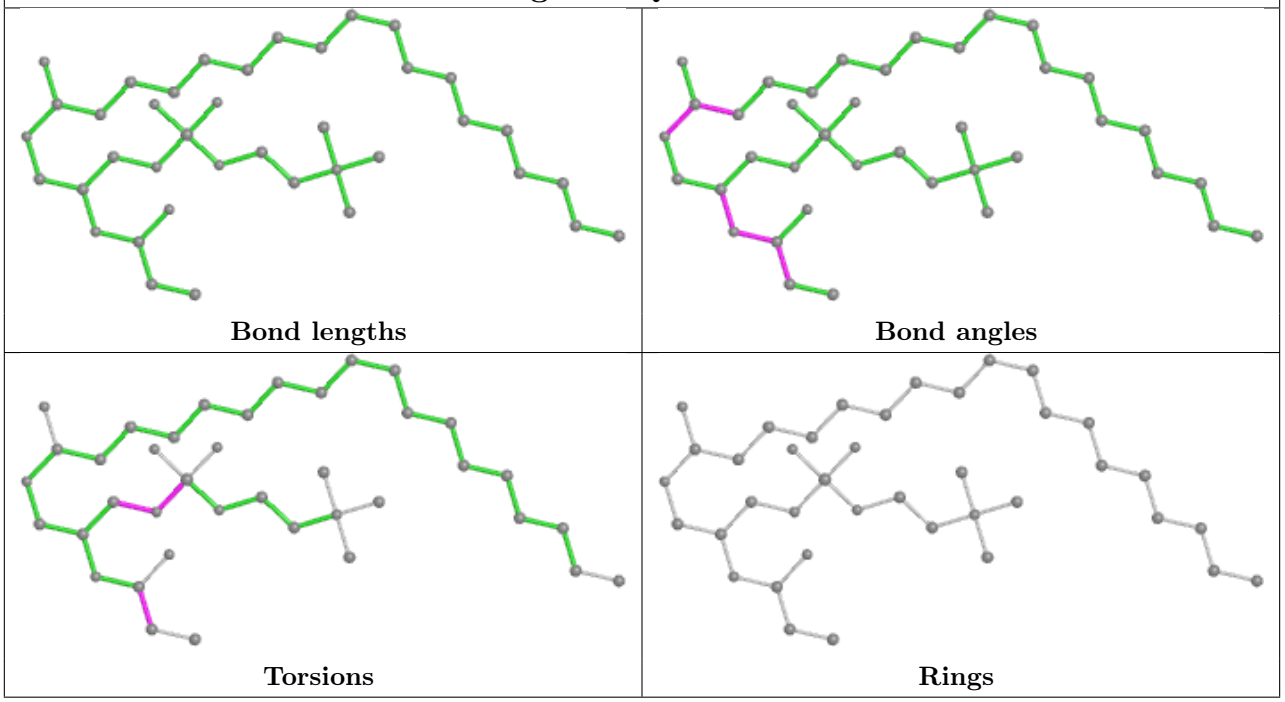
Ligand 7Q9 D 518



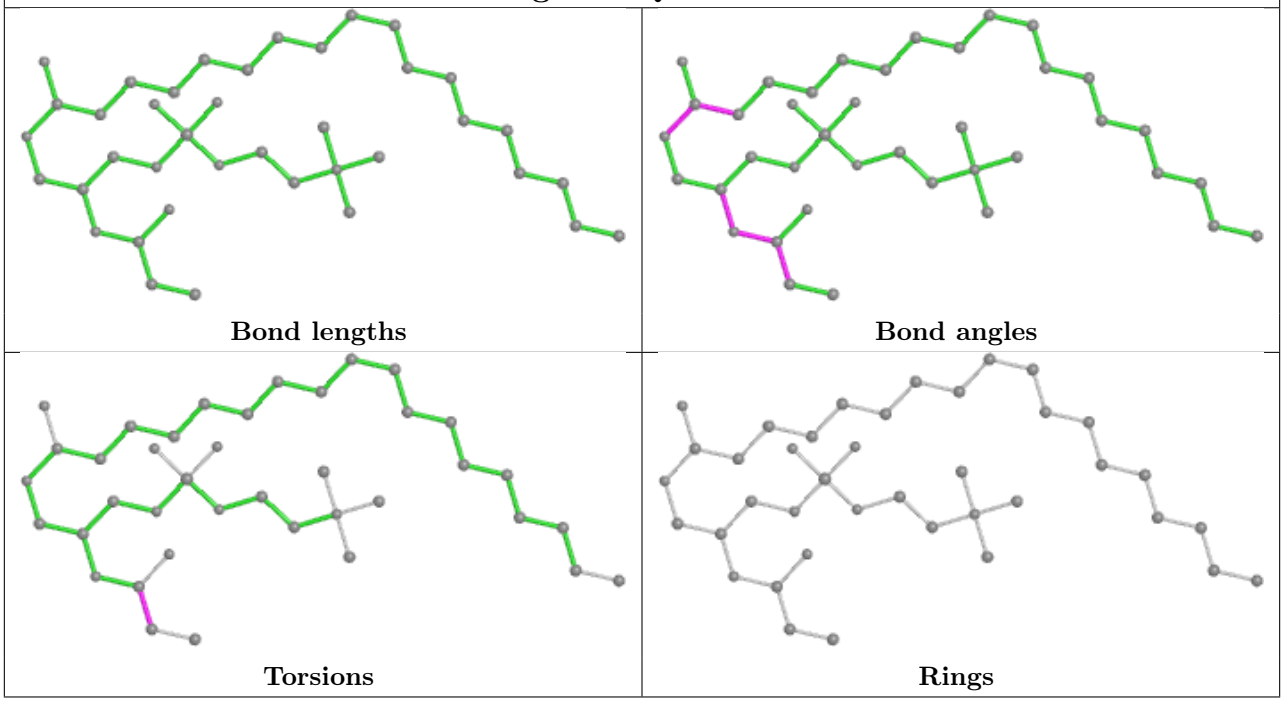
Ligand 7Q9 B 217



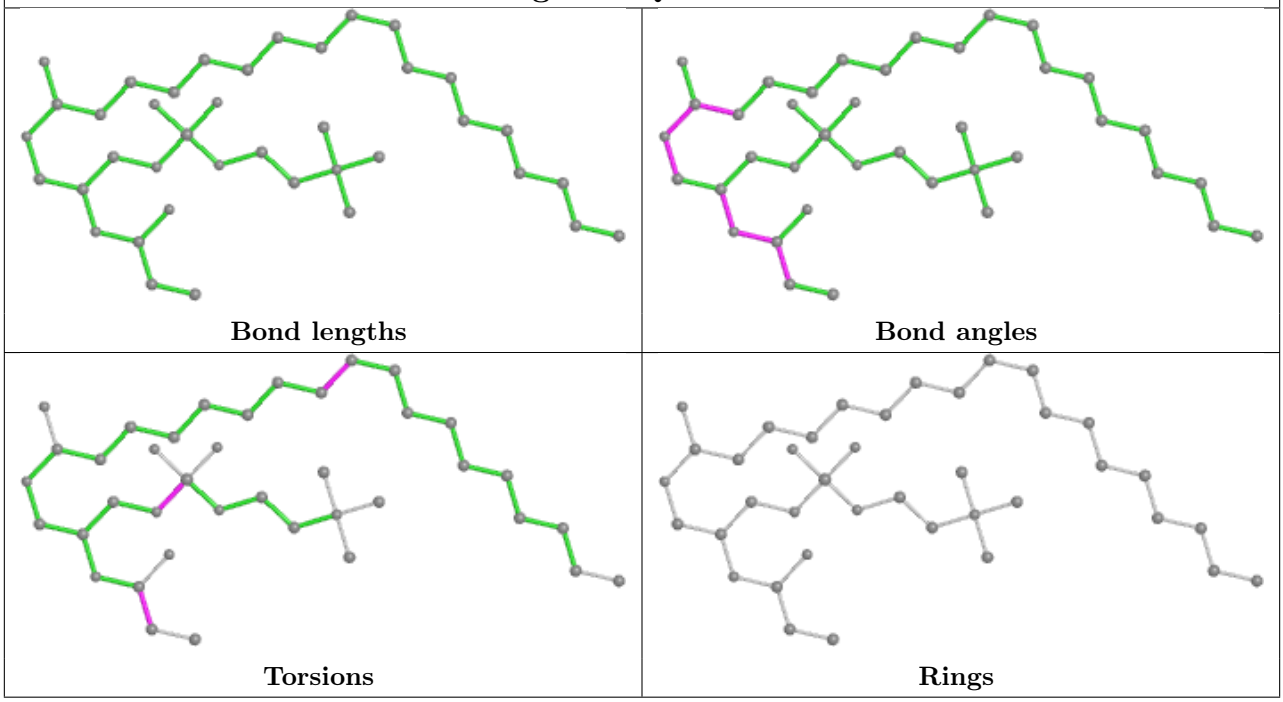
Ligand 7Q9 A 216



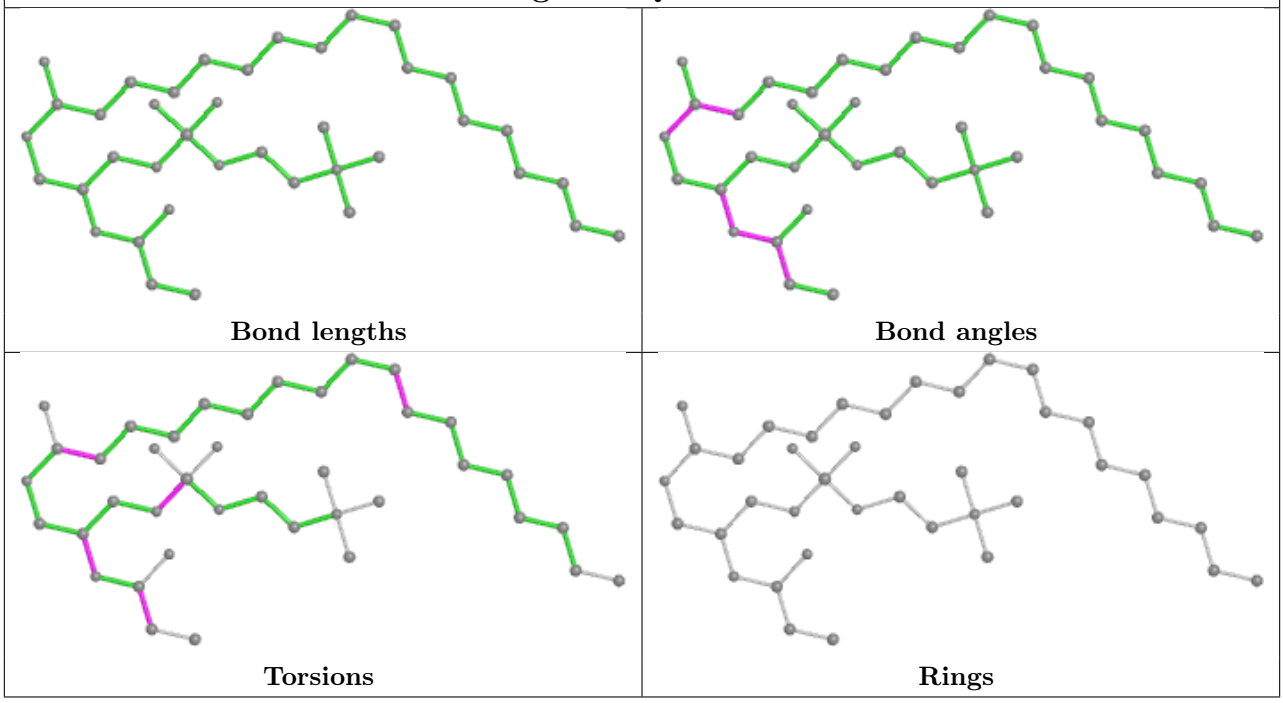
Ligand 7Q9 E 835



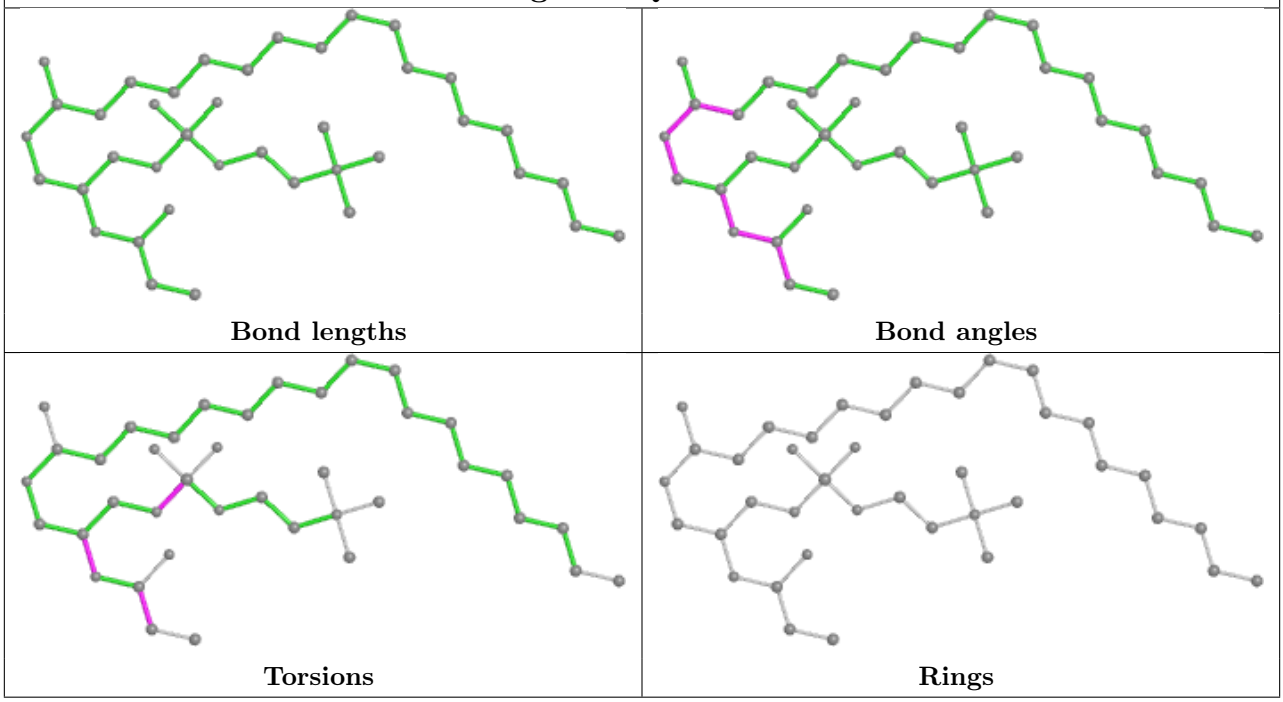
Ligand 7Q9 E 842



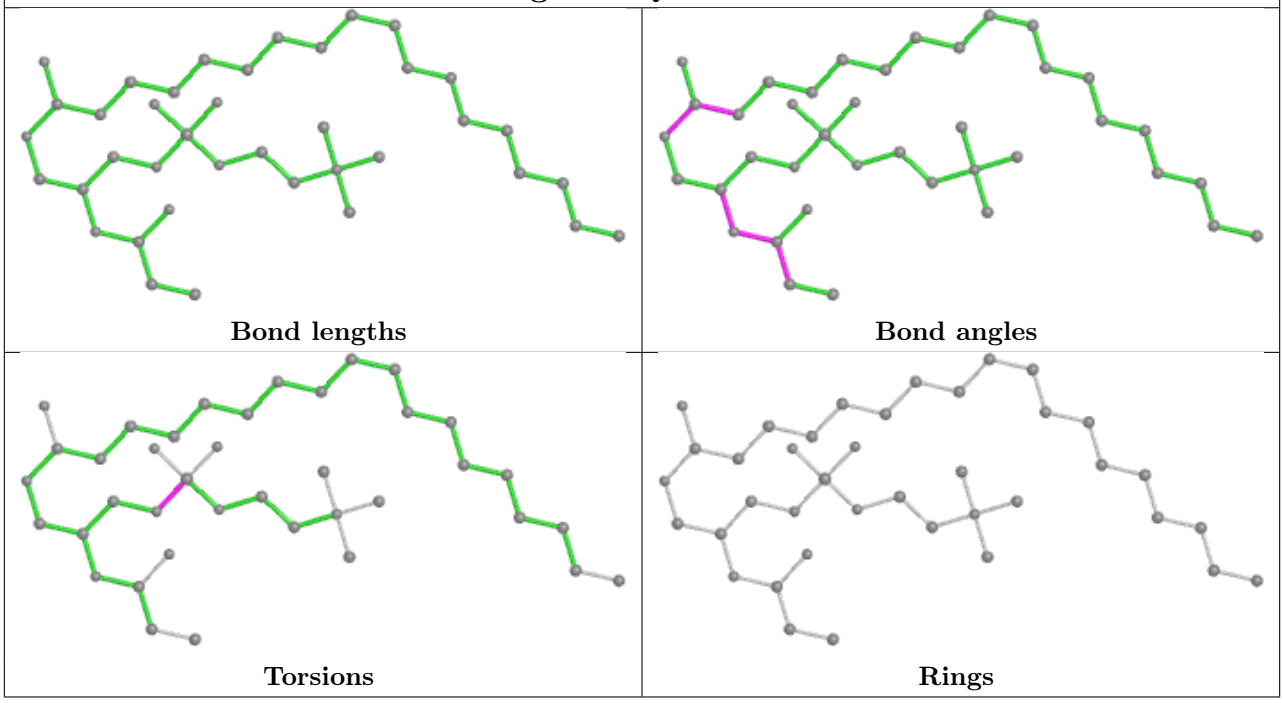
Ligand 7Q9 E 827



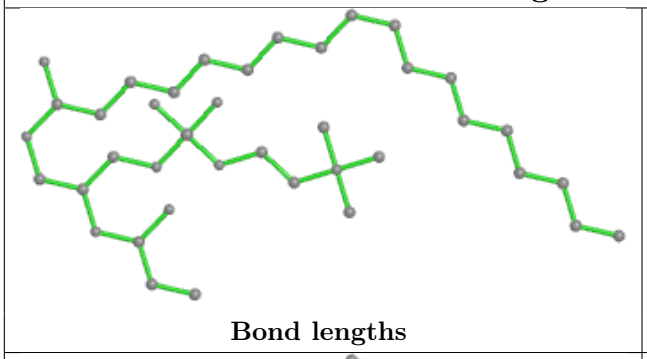
Ligand 7Q9 D 513



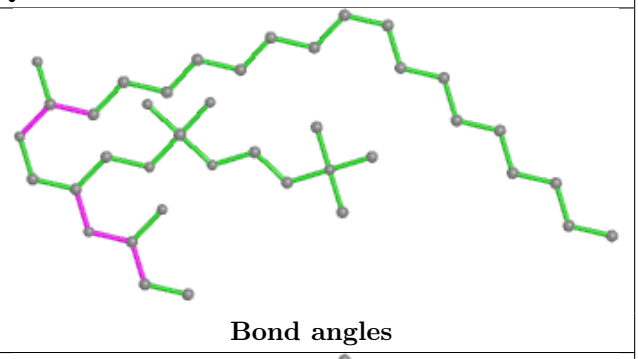
Ligand 7Q9 D 505



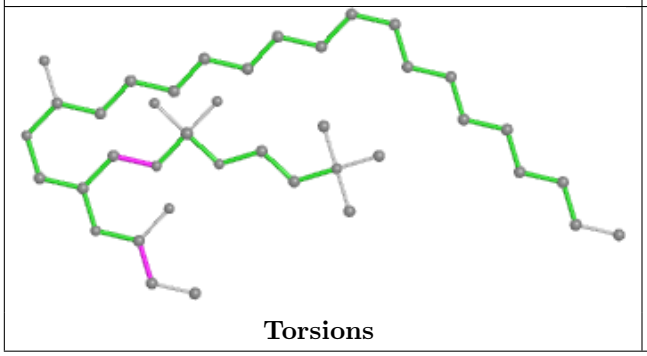
Ligand 7Q9 B 203



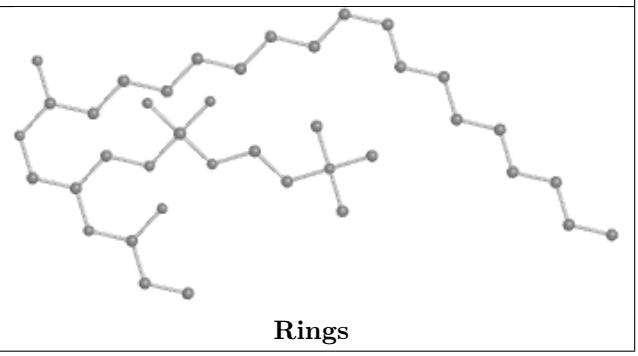
Bond lengths



Bond angles

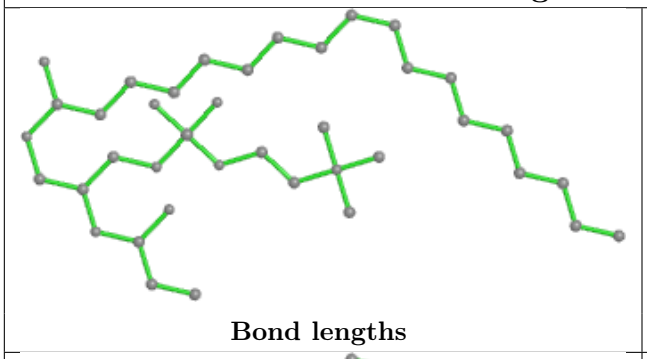


Torsions

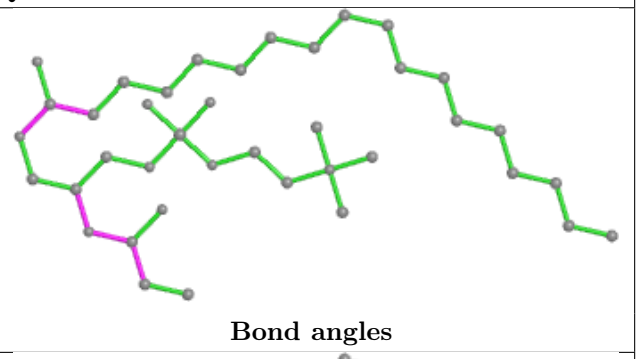


Rings

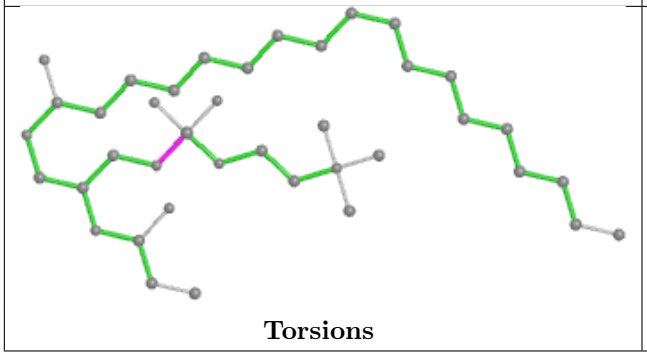
Ligand 7Q9 B 204



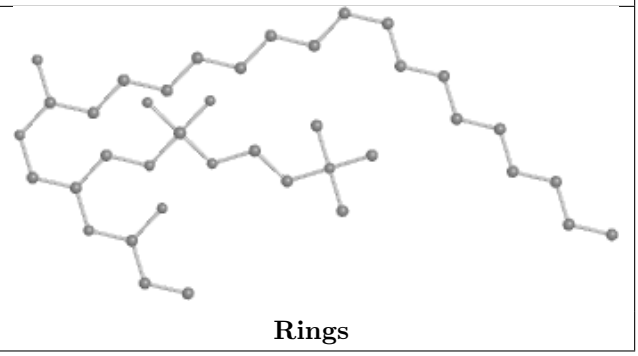
Bond lengths



Bond angles

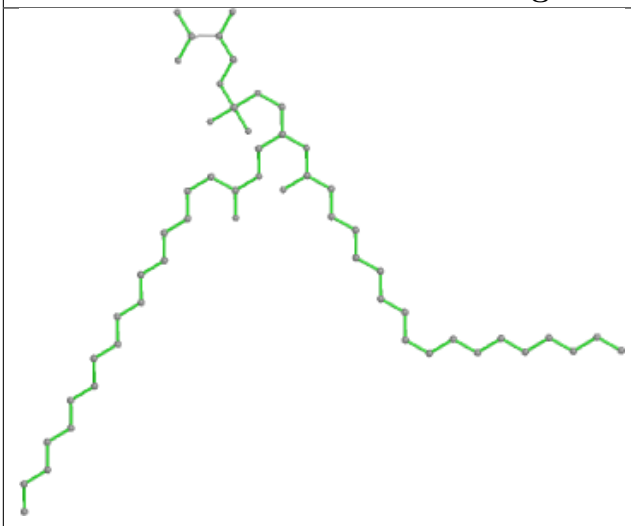


Torsions

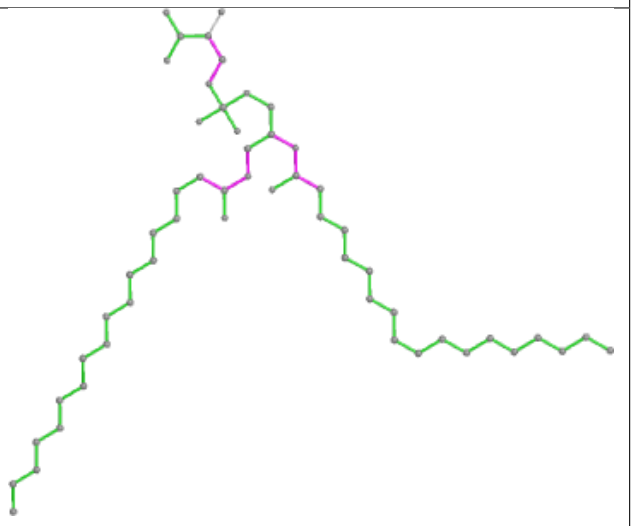


Rings

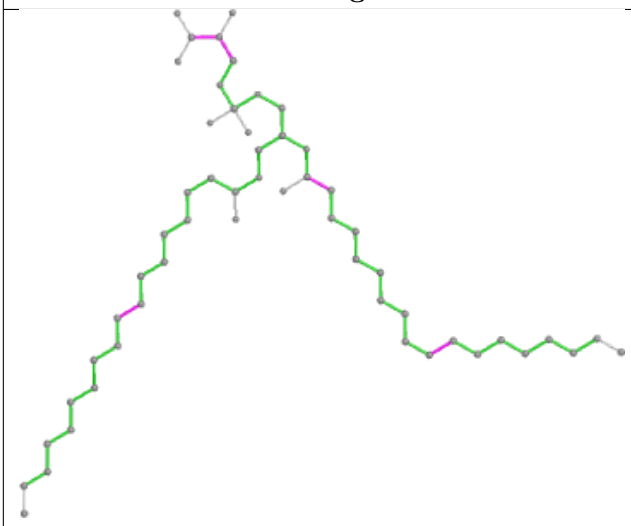
Ligand 17F D 534



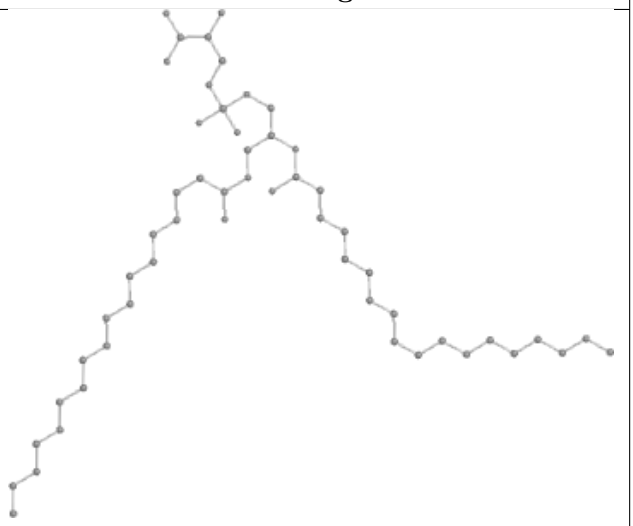
Bond lengths



Bond angles

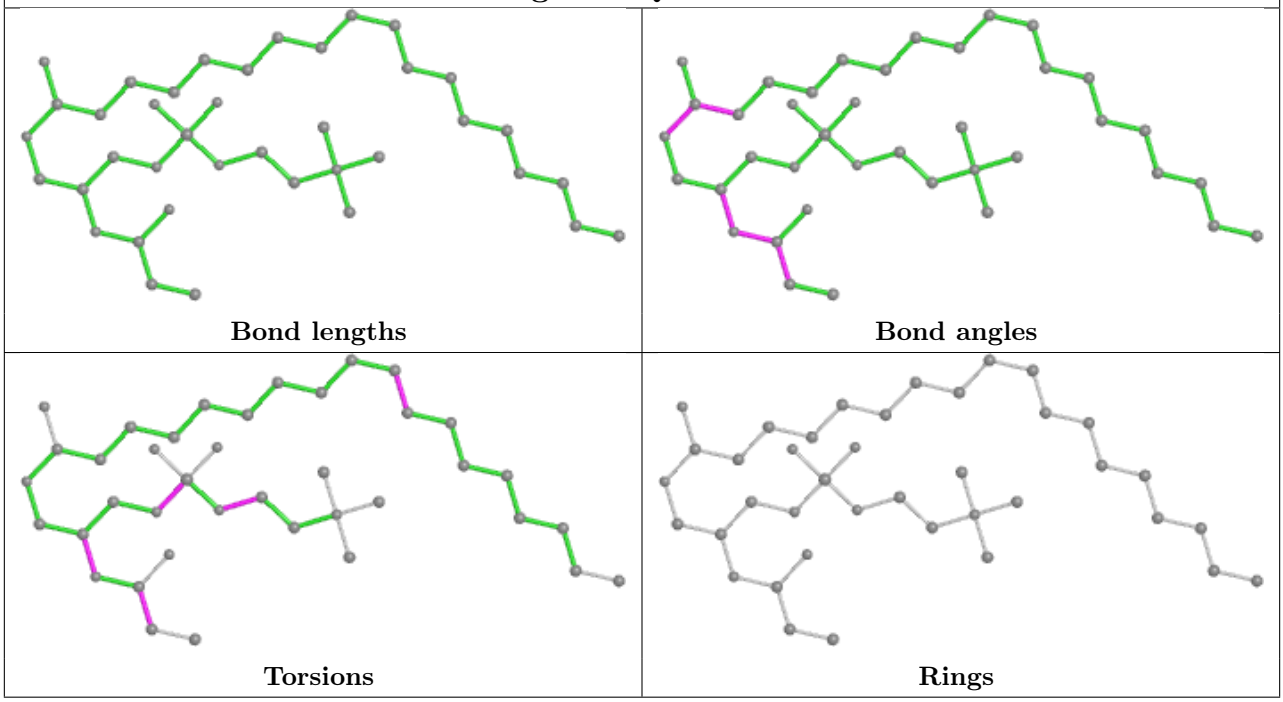


Torsions

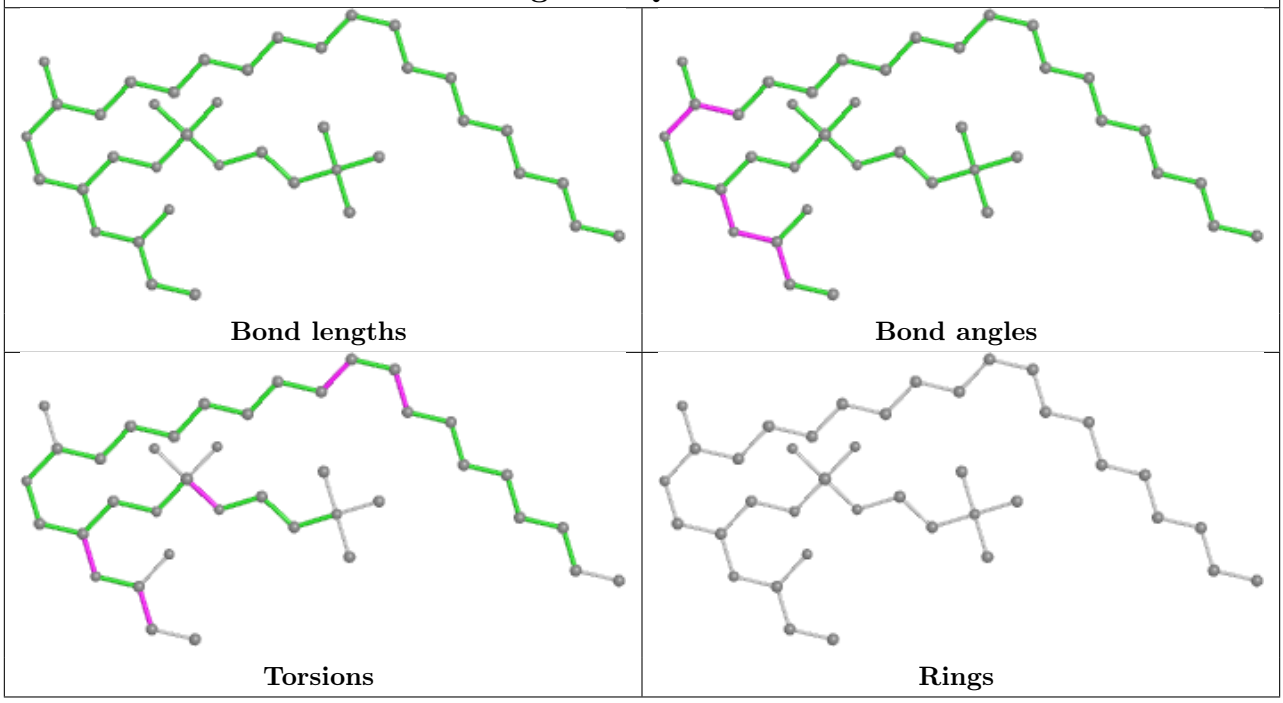


Rings

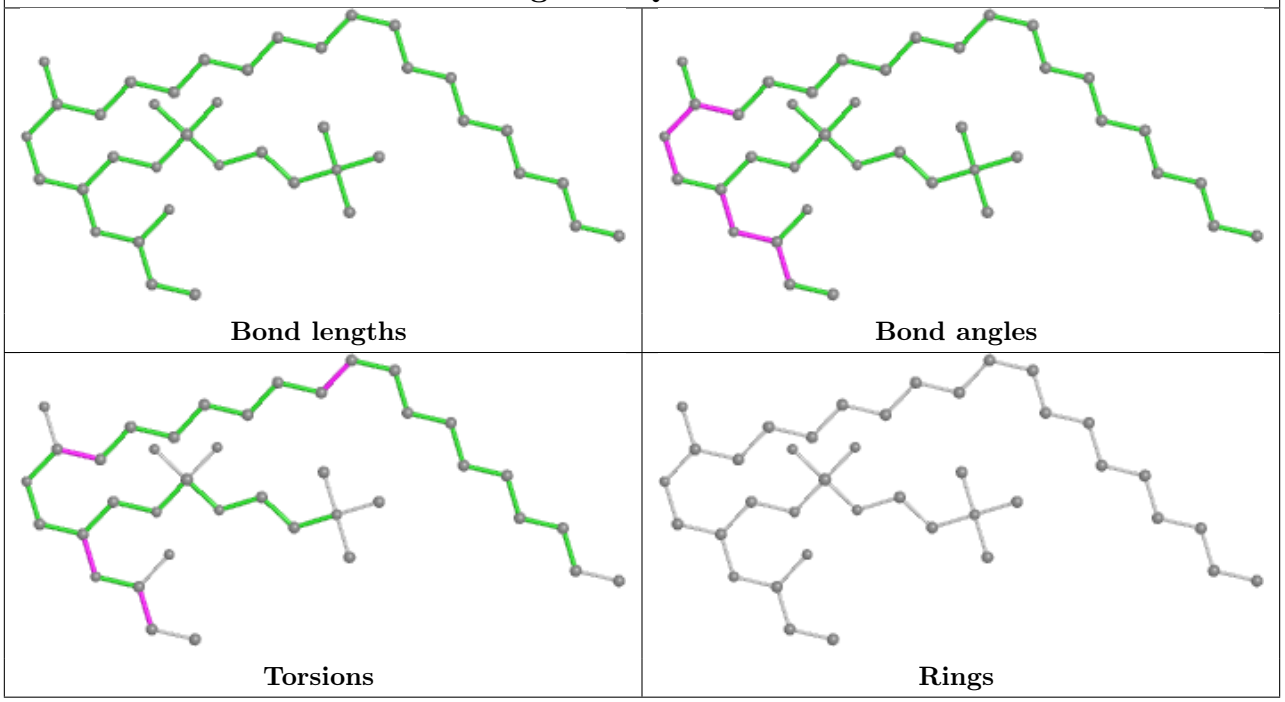
Ligand 7Q9 B 209



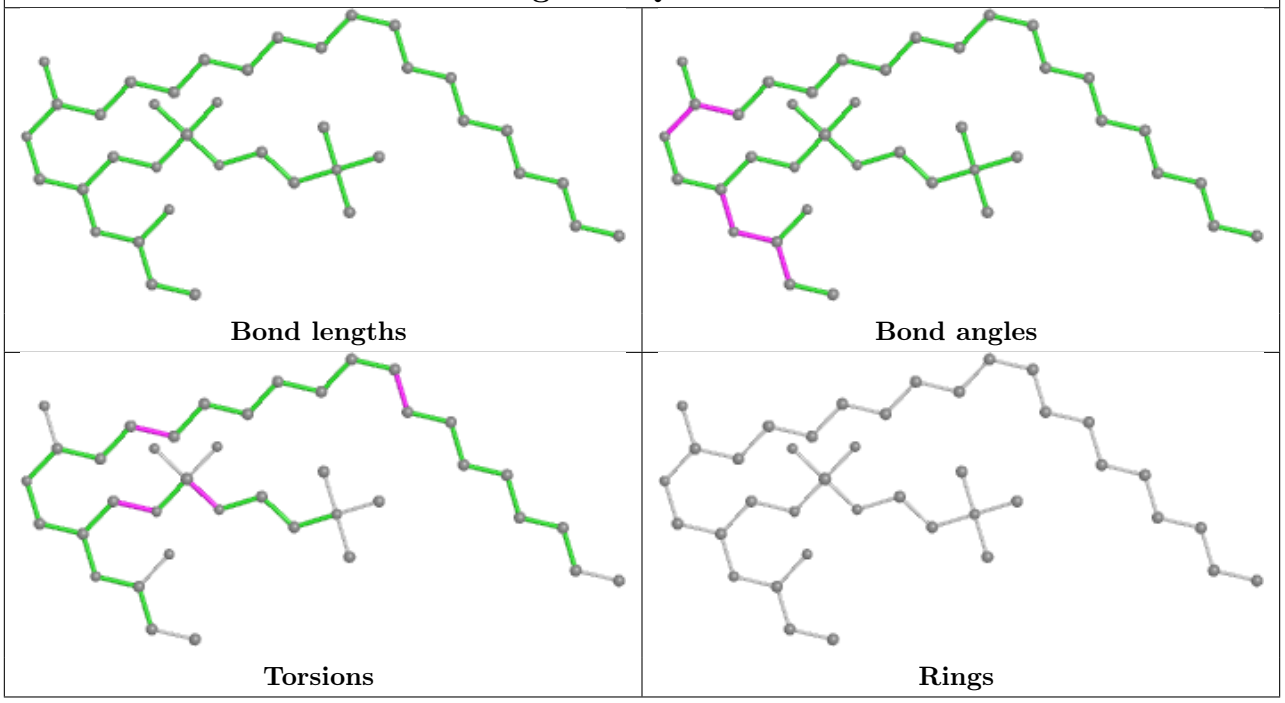
Ligand 7Q9 A 210



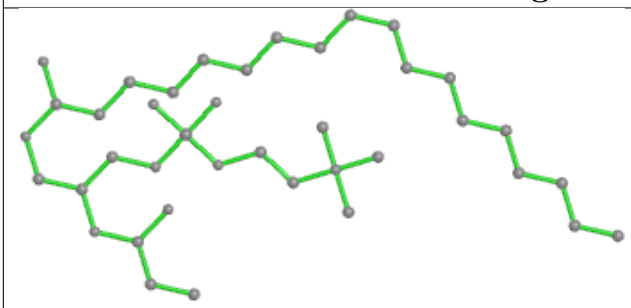
Ligand 7Q9 D 503



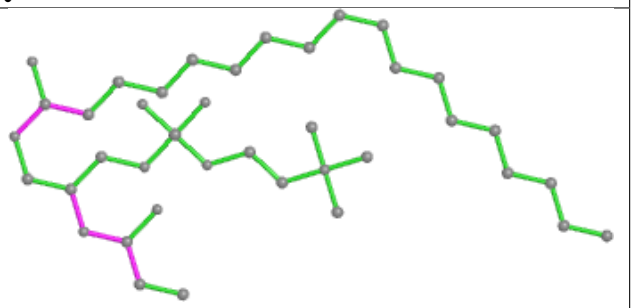
Ligand 7Q9 E 851



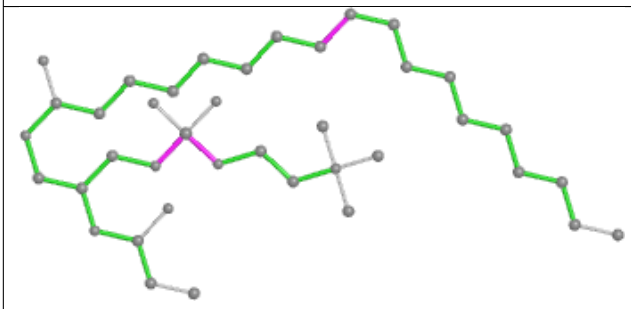
Ligand 7Q9 E 861



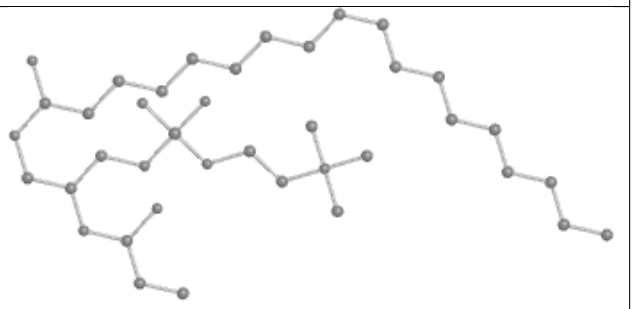
Bond lengths



Bond angles

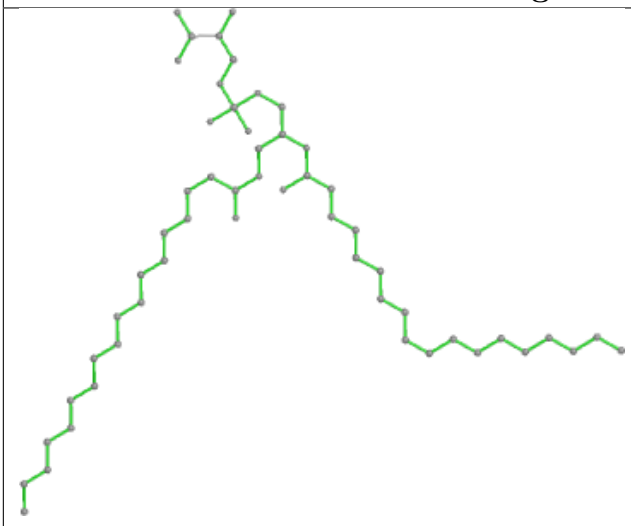


Torsions

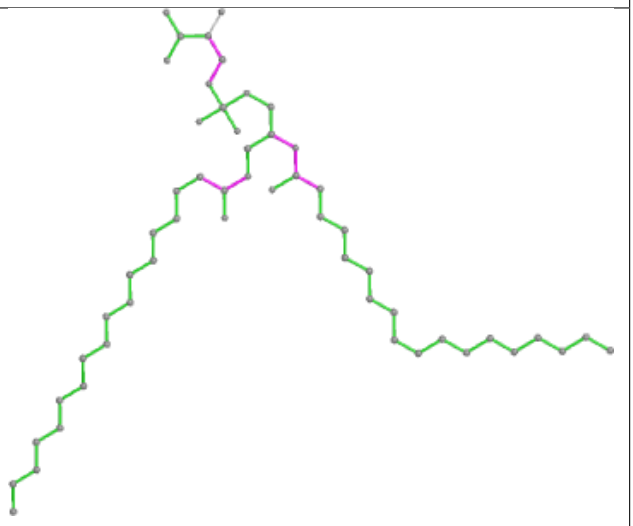


Rings

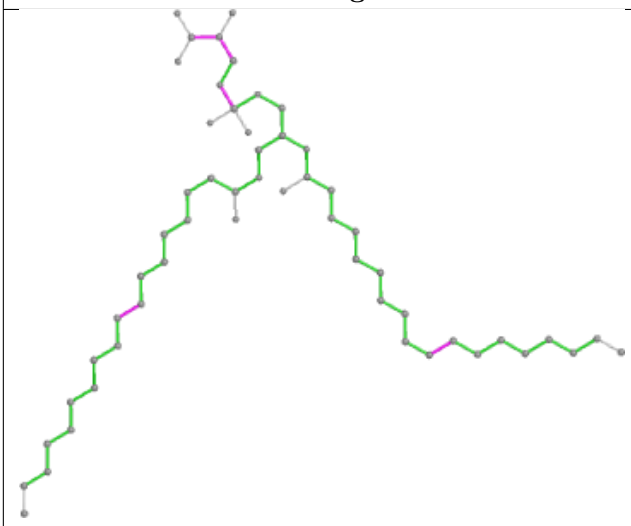
Ligand 17F D 517



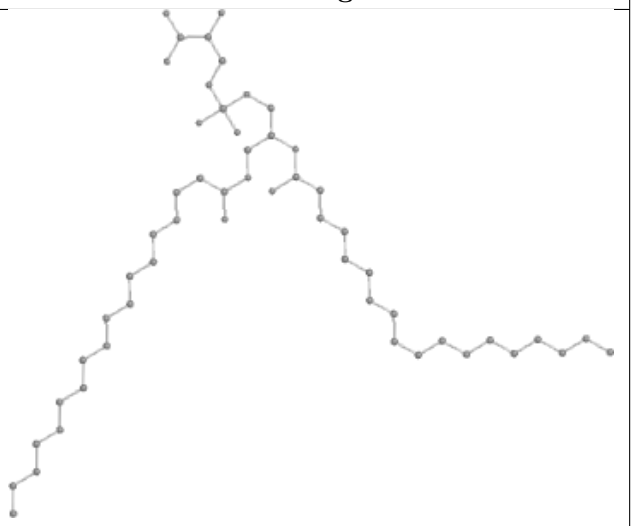
Bond lengths



Bond angles

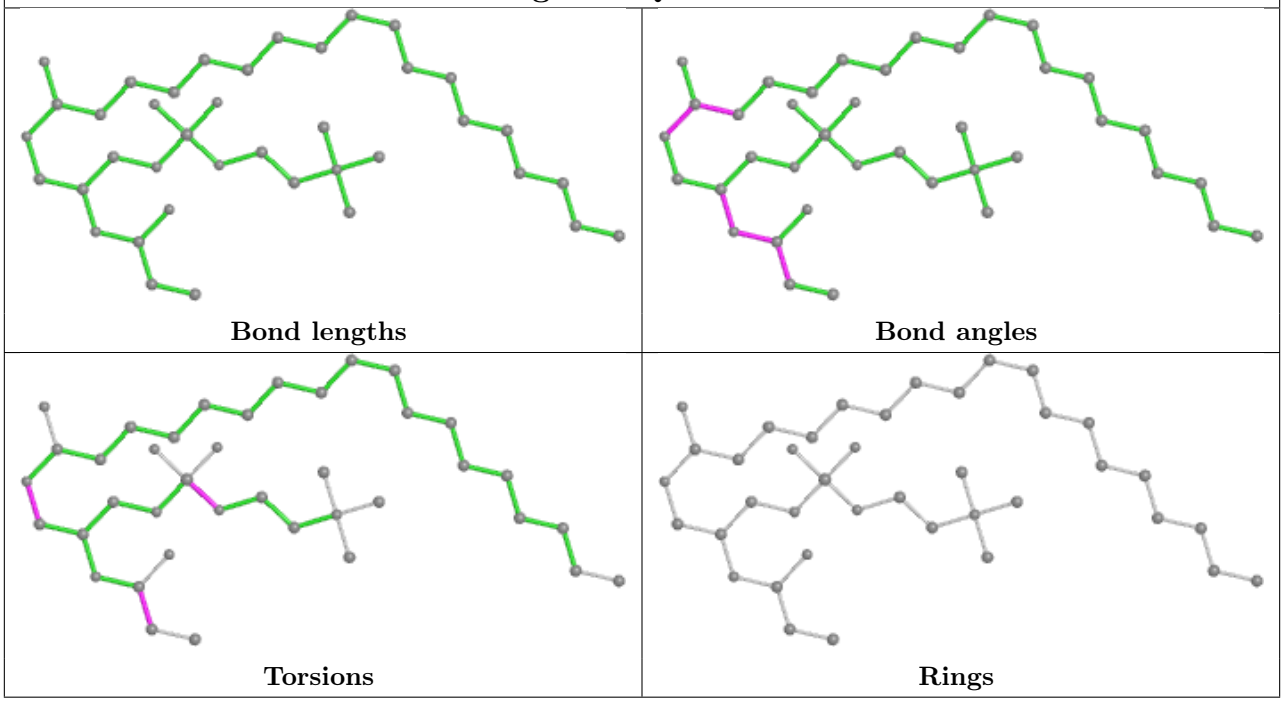


Torsions

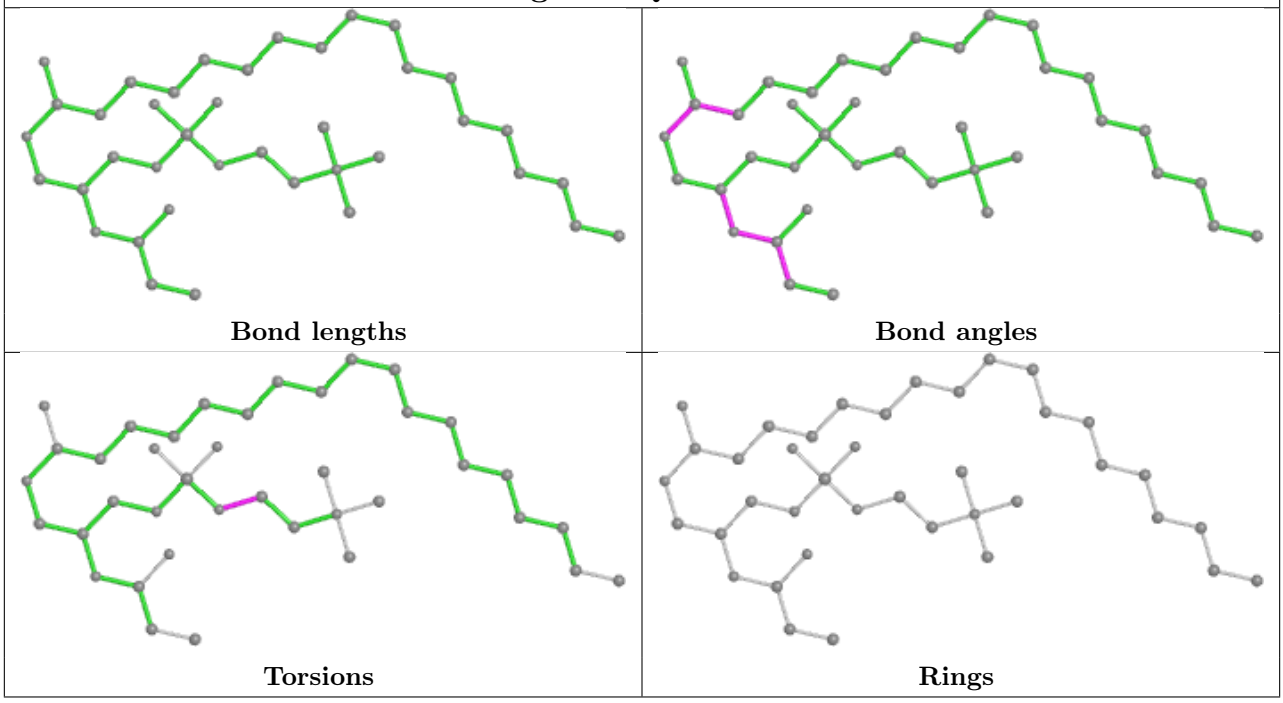


Rings

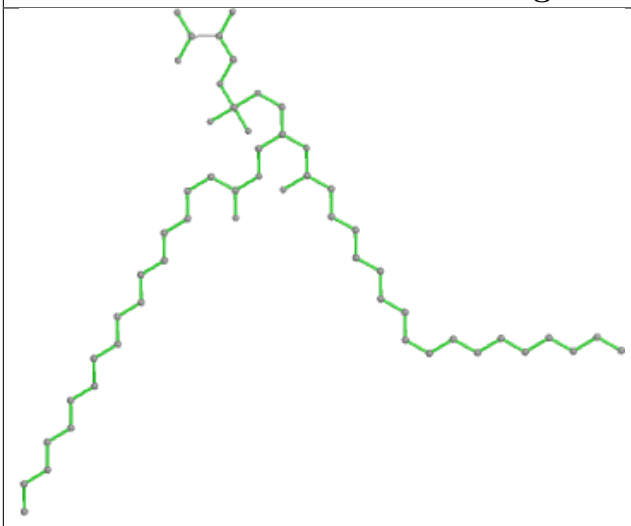
Ligand 7Q9 E 802



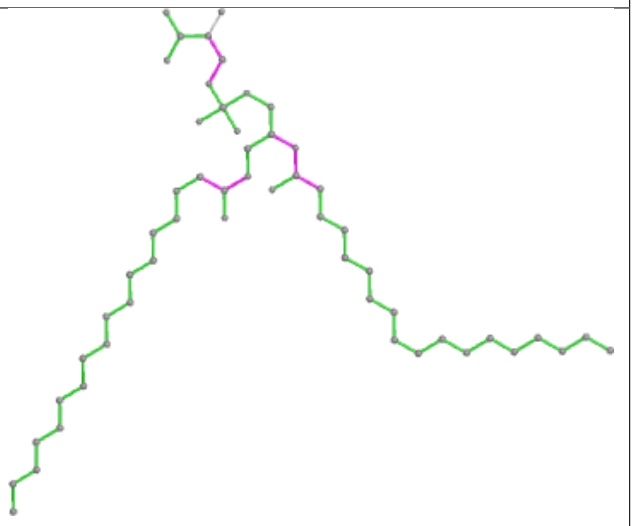
Ligand 7Q9 A 203



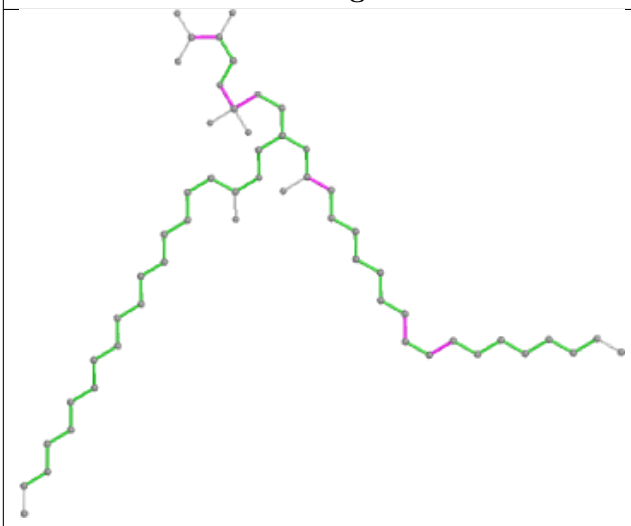
Ligand 17F E 805



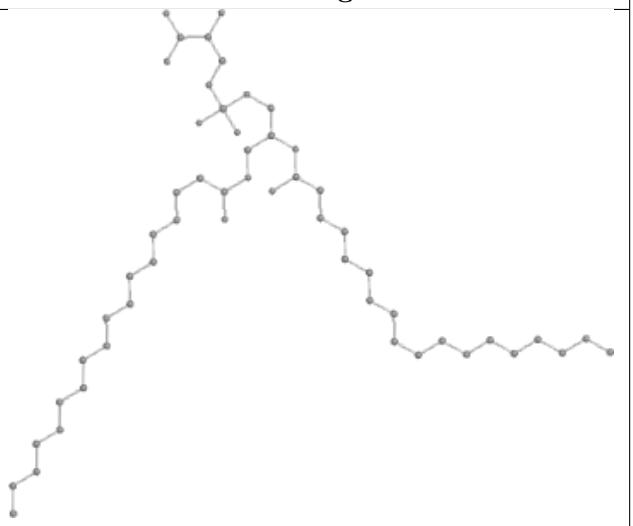
Bond lengths



Bond angles

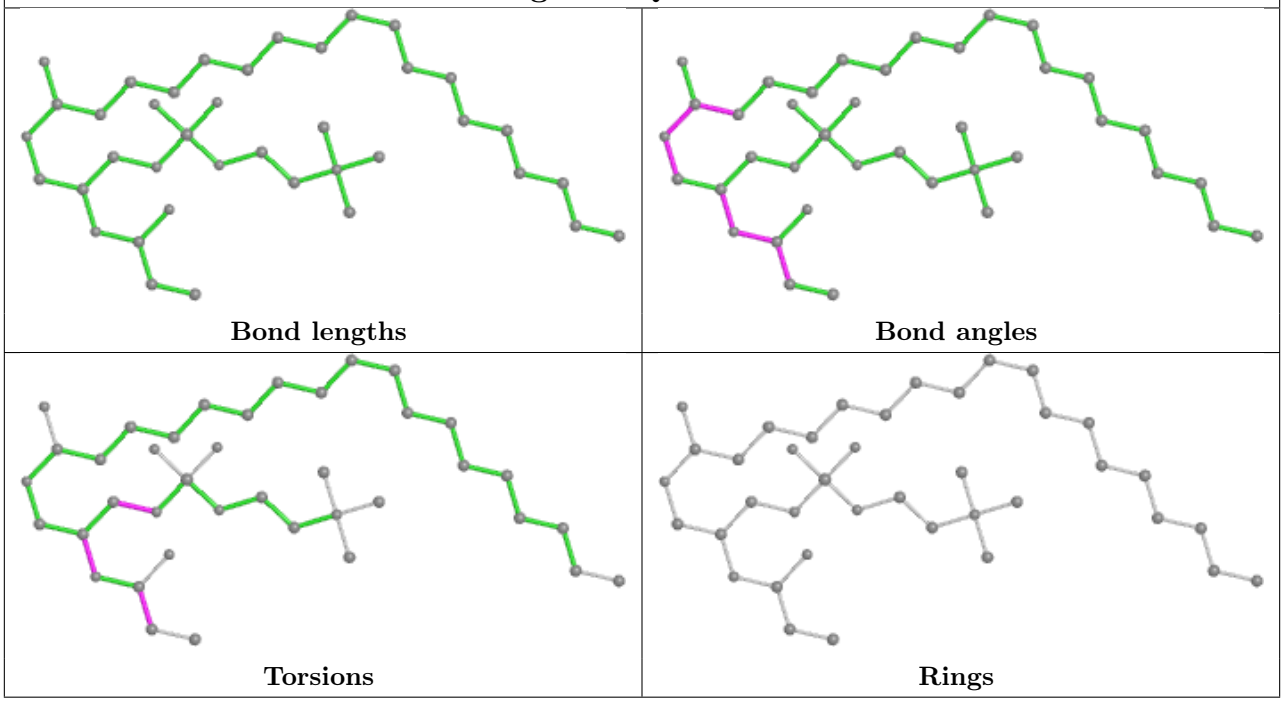


Torsions

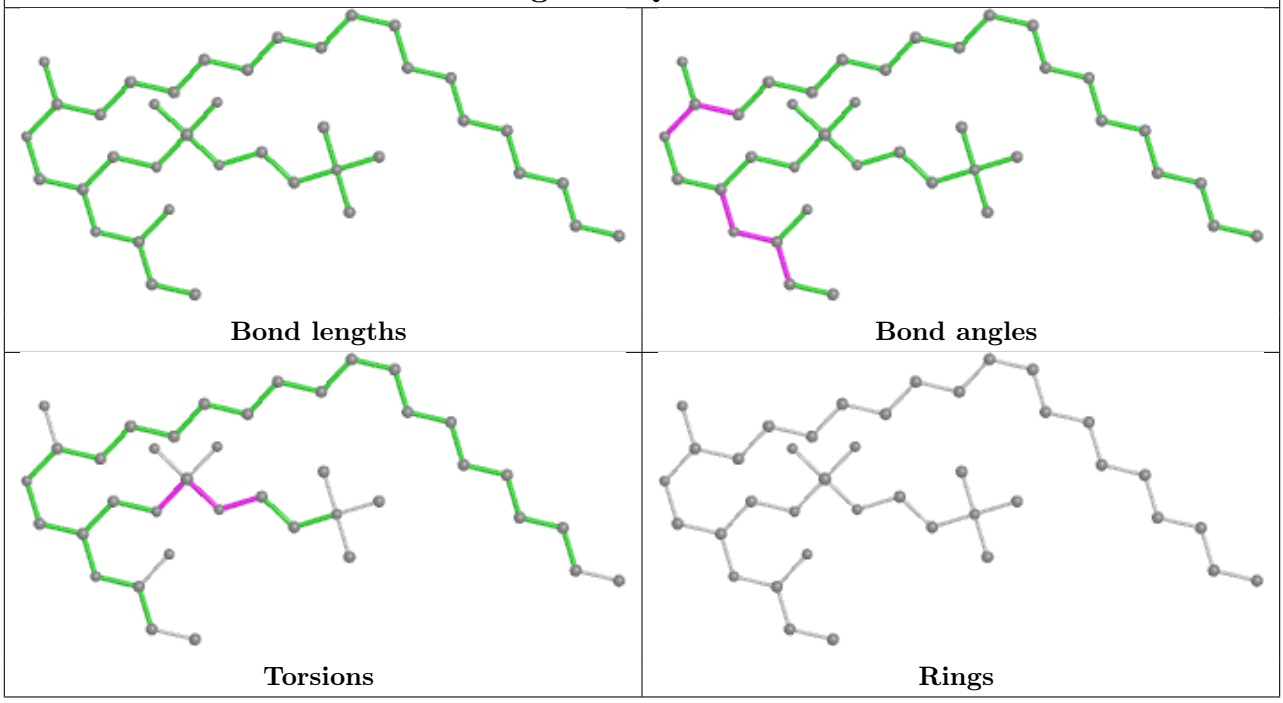


Rings

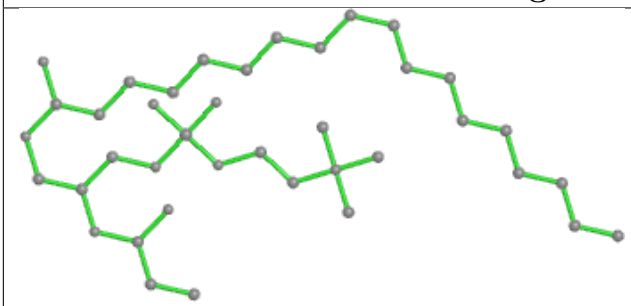
Ligand 7Q9 D 520



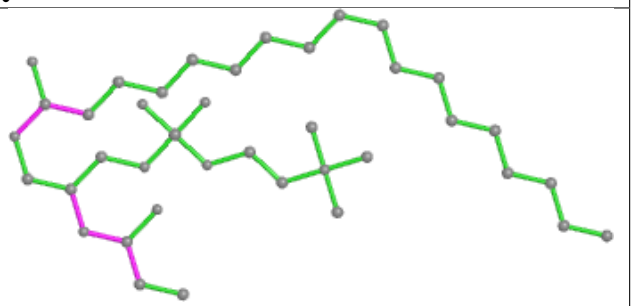
Ligand 7Q9 A 205



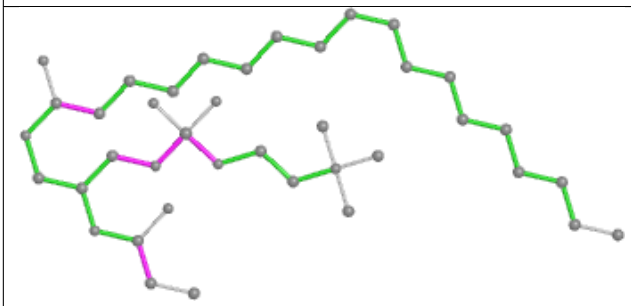
Ligand 7Q9 D 536



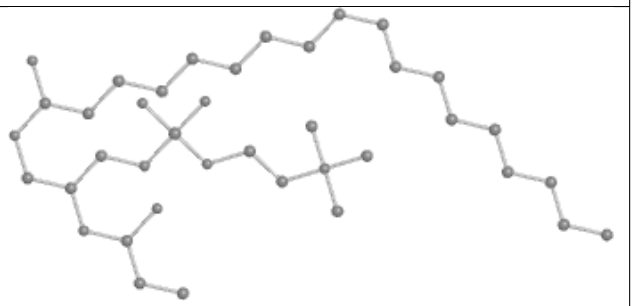
Bond lengths



Bond angles

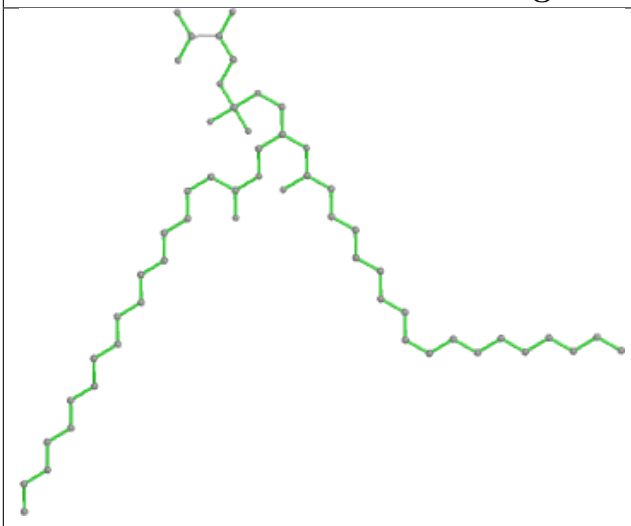


Torsions

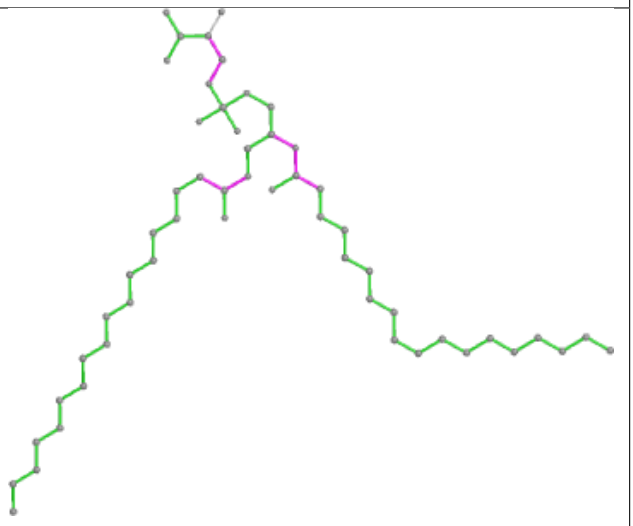


Rings

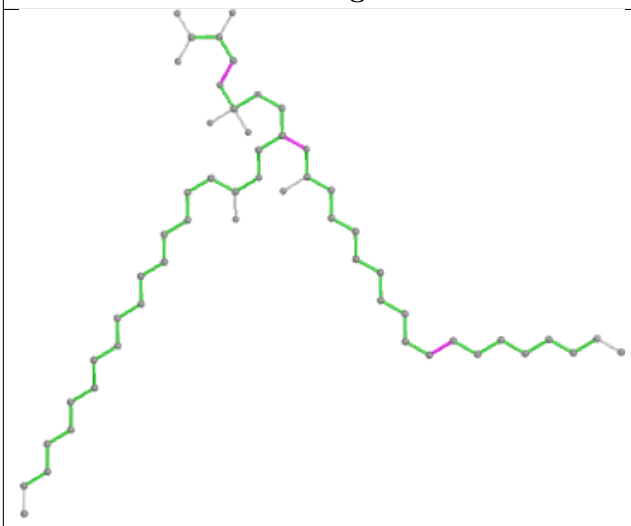
Ligand 17F E 811



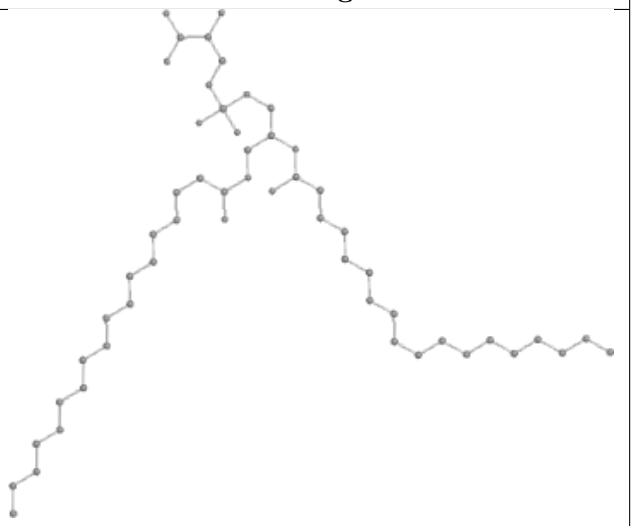
Bond lengths



Bond angles

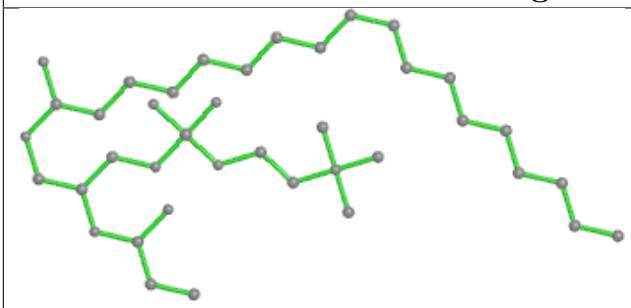


Torsions

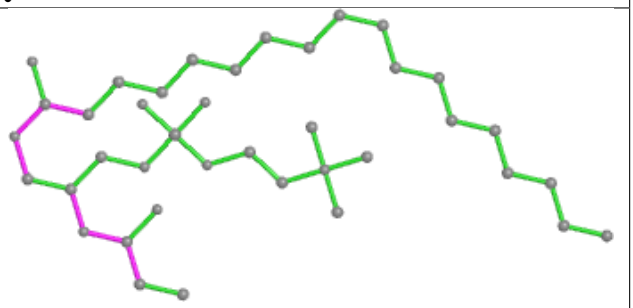


Rings

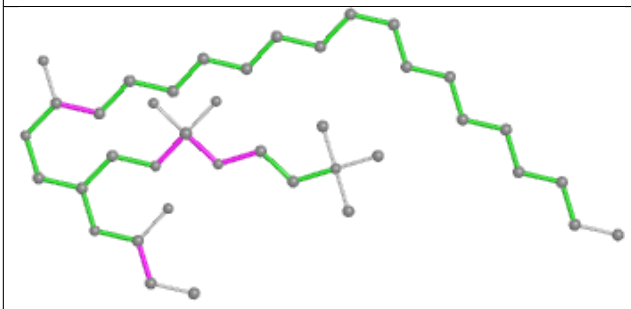
Ligand 7Q9 E 806



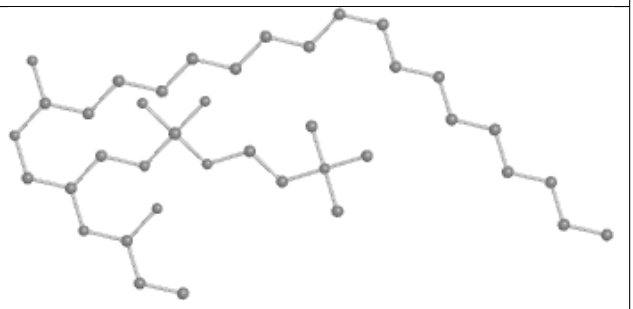
Bond lengths



Bond angles

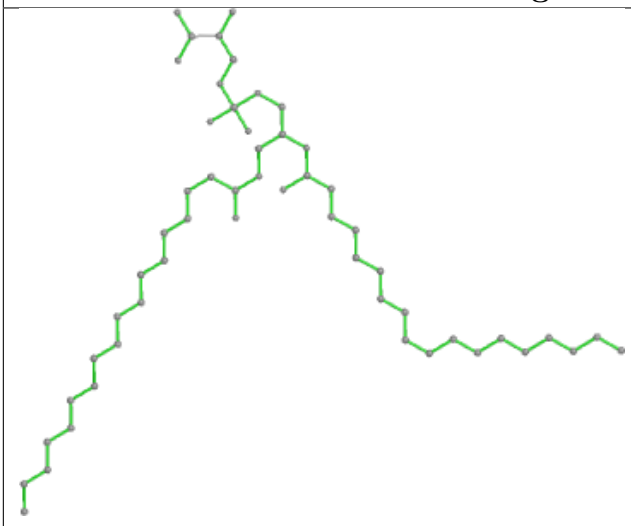


Torsions

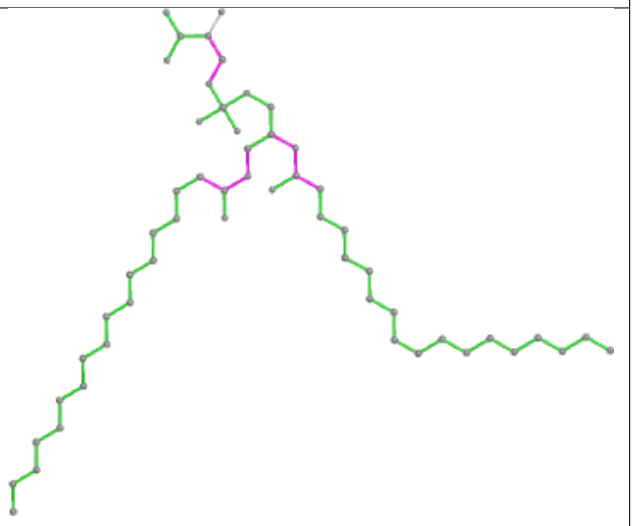


Rings

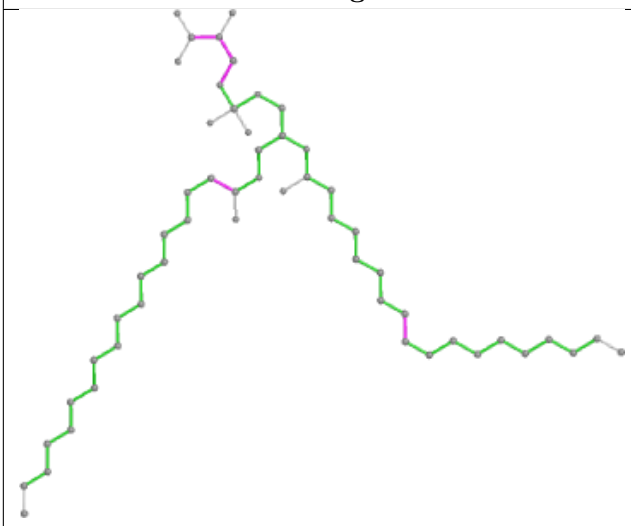
Ligand 17F D 546



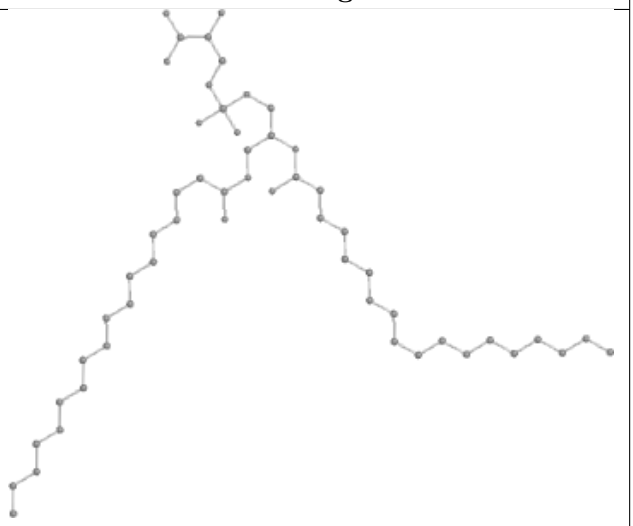
Bond lengths



Bond angles

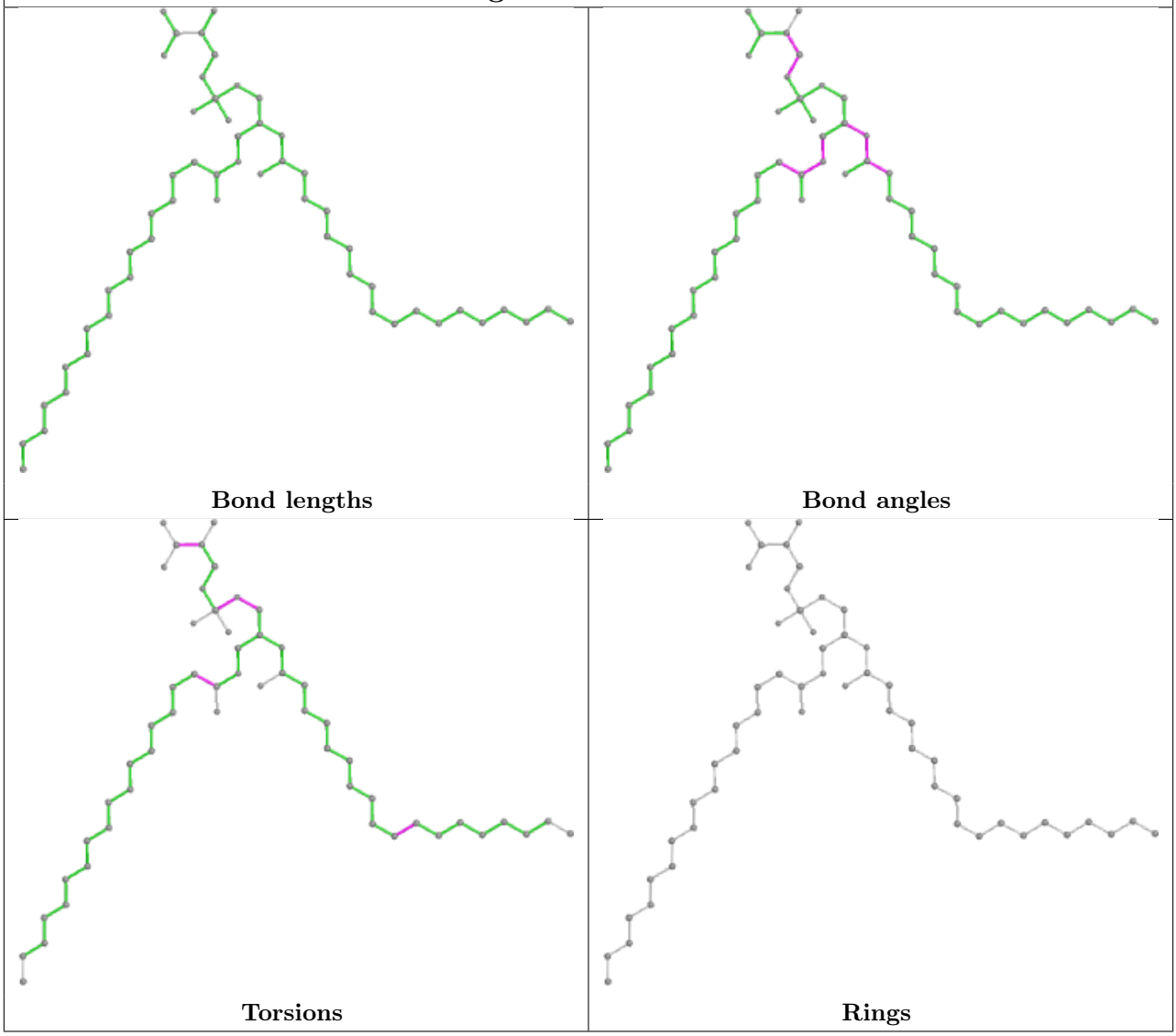


Torsions

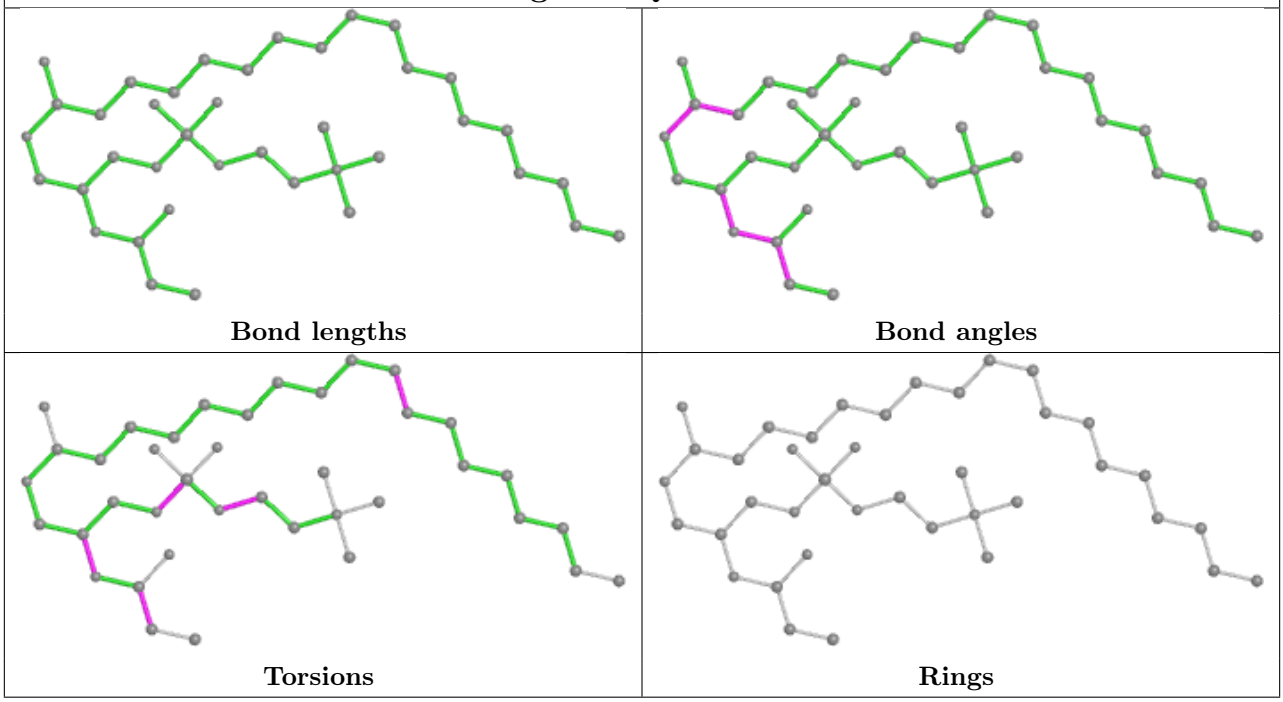


Rings

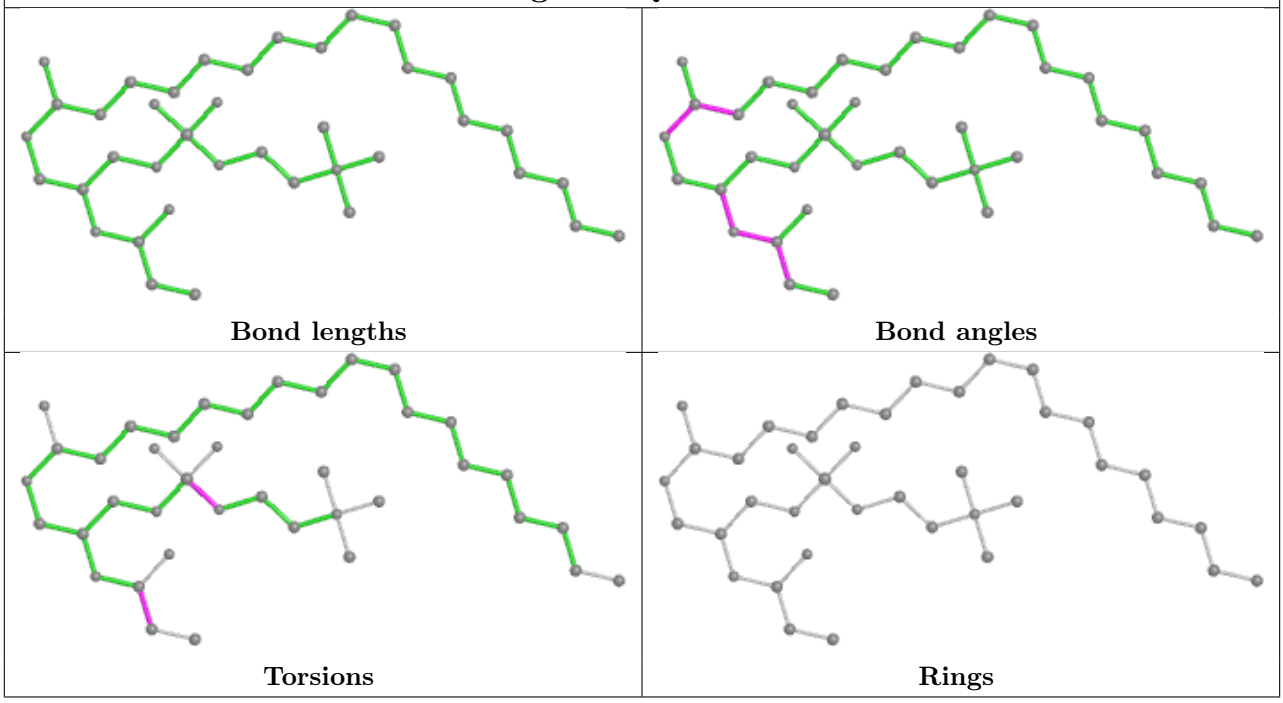
Ligand 17F D 528



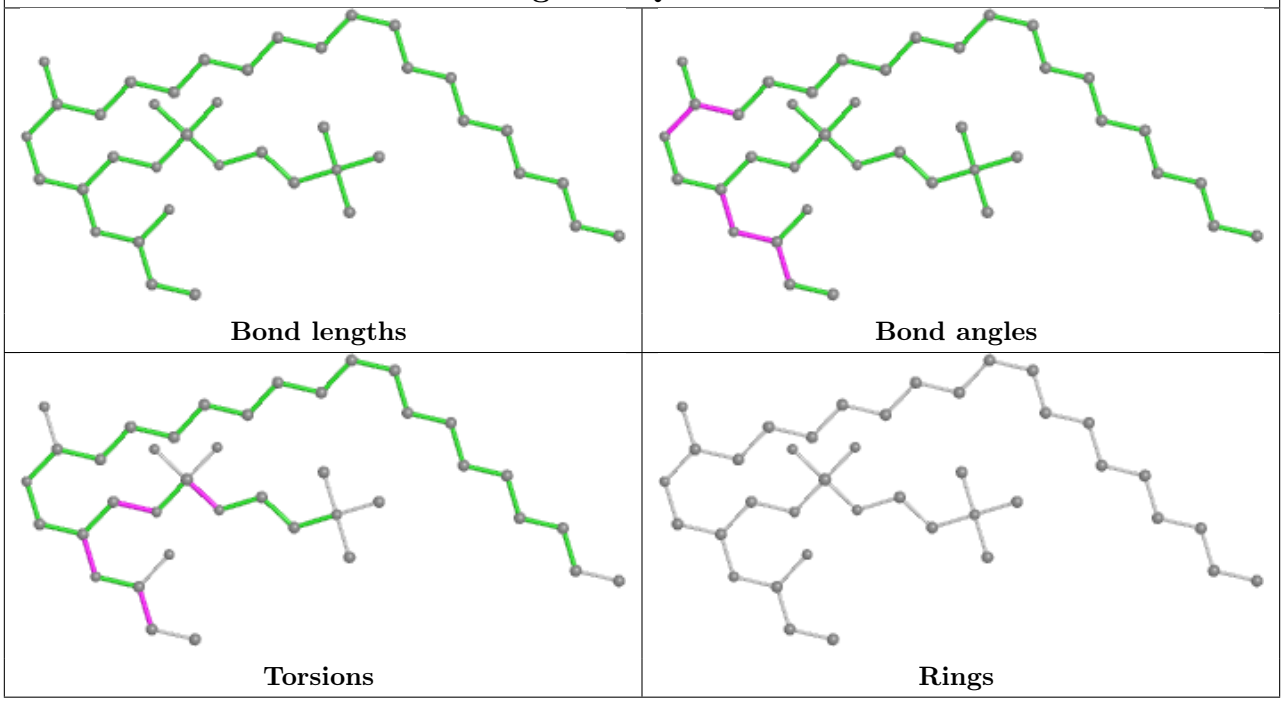
Ligand 7Q9 D 524



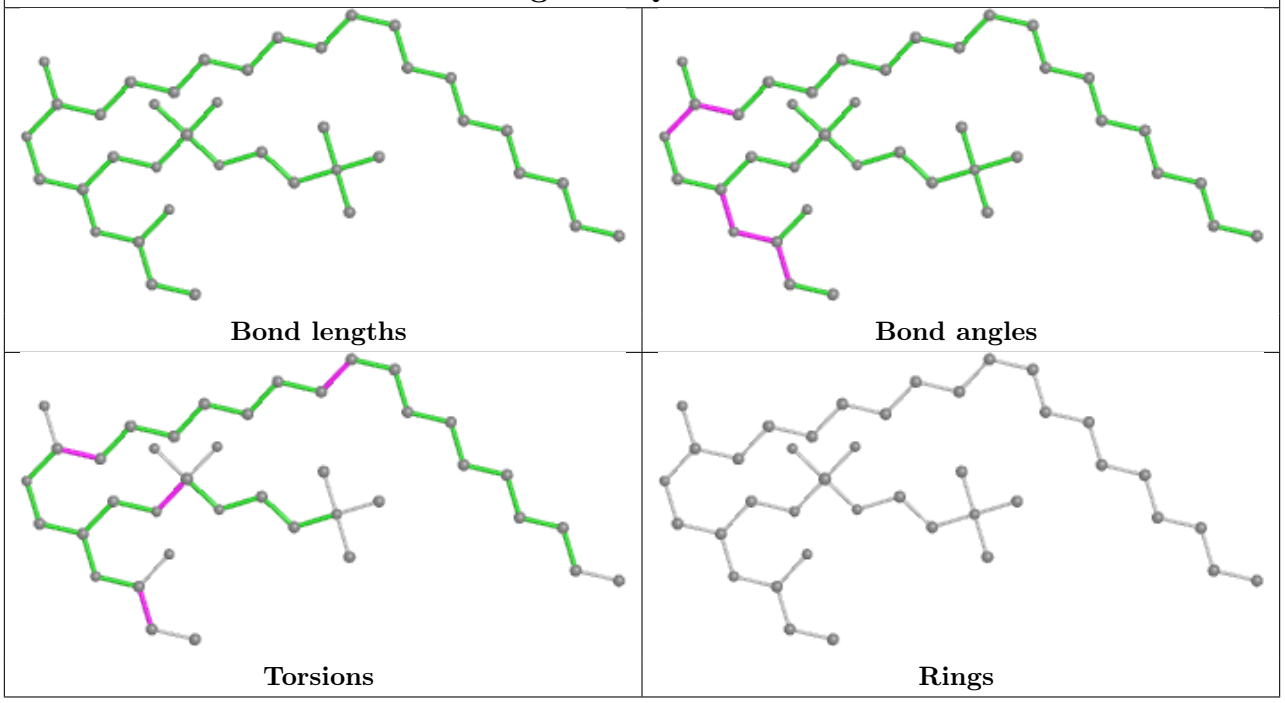
Ligand 7Q9 A 207



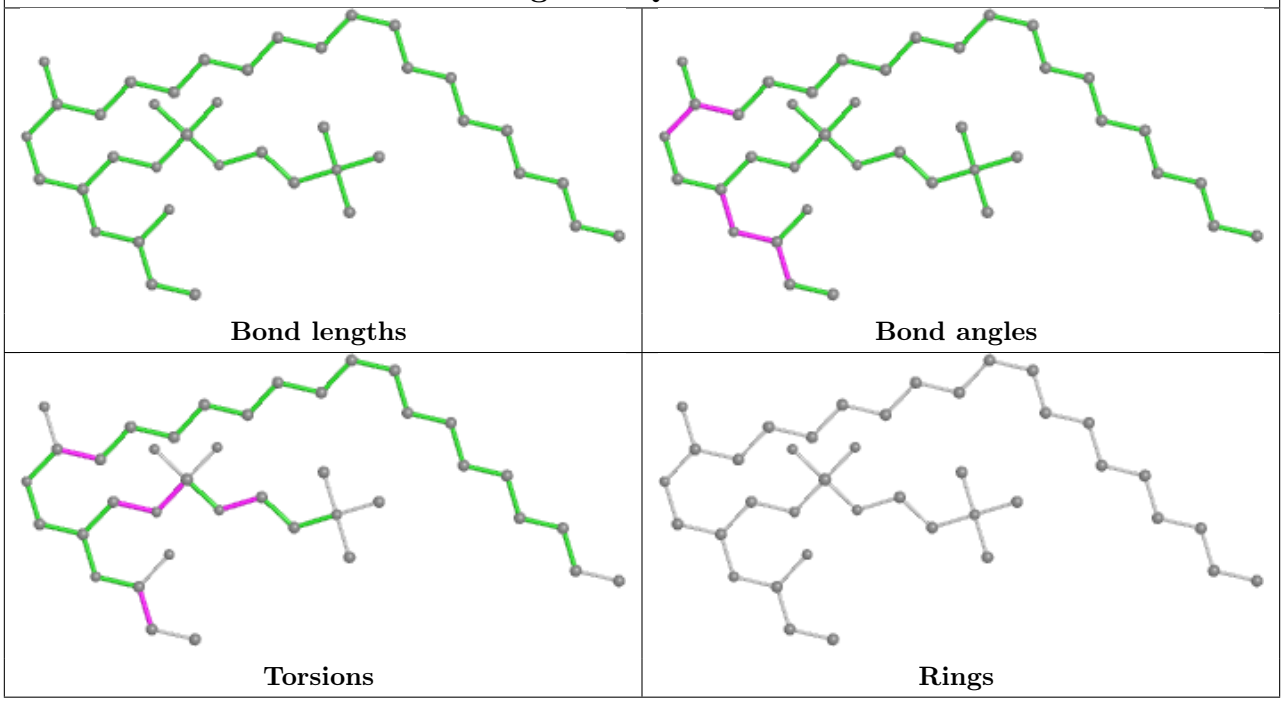
Ligand 7Q9 E 824



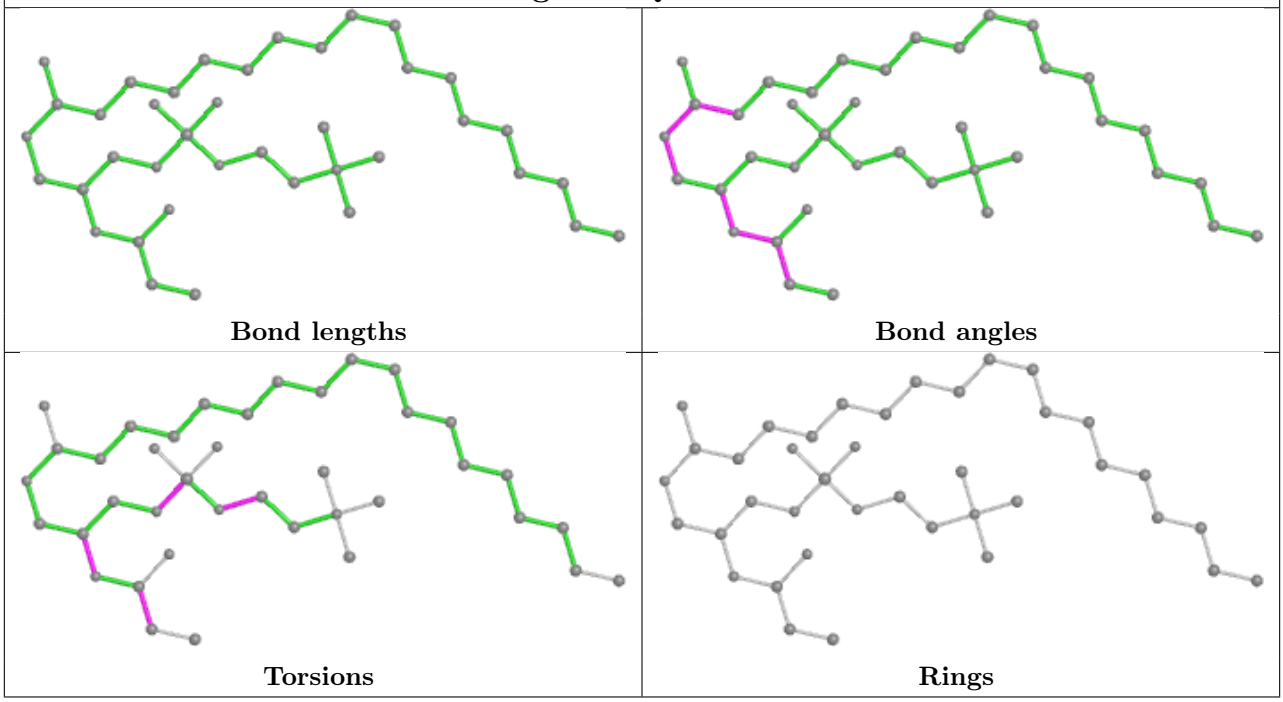
Ligand 7Q9 D 531



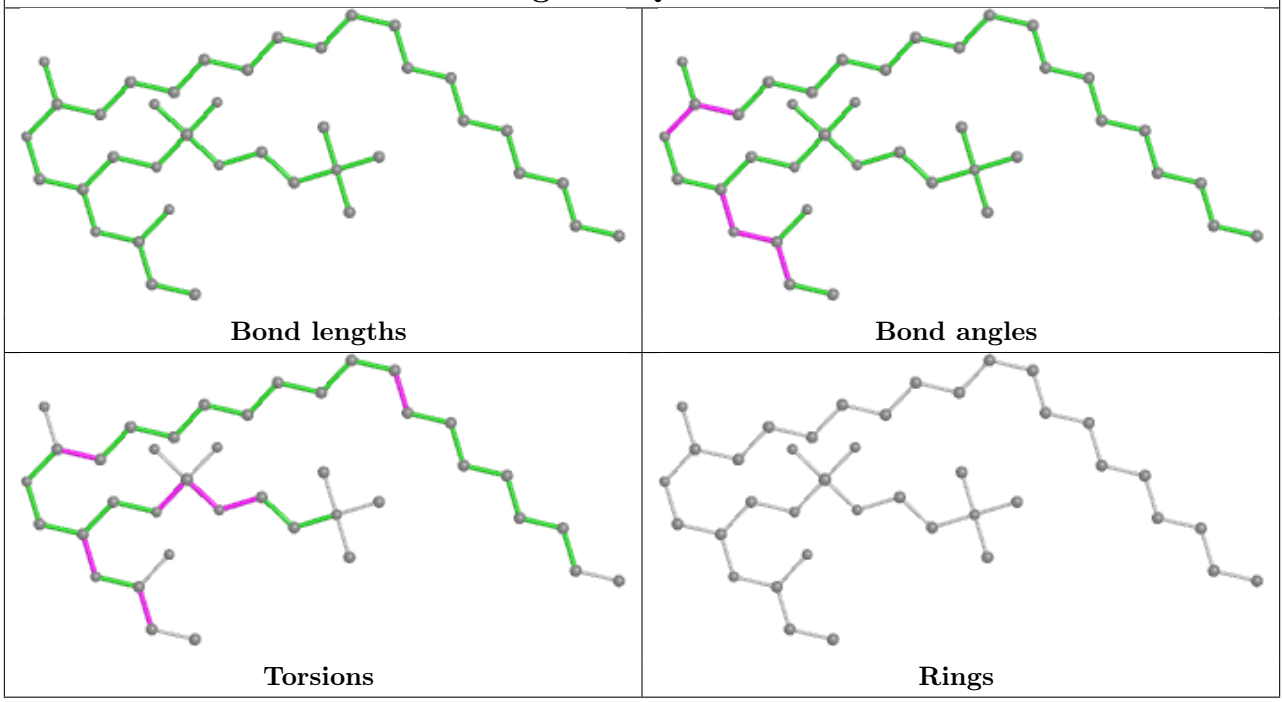
Ligand 7Q9 D 535



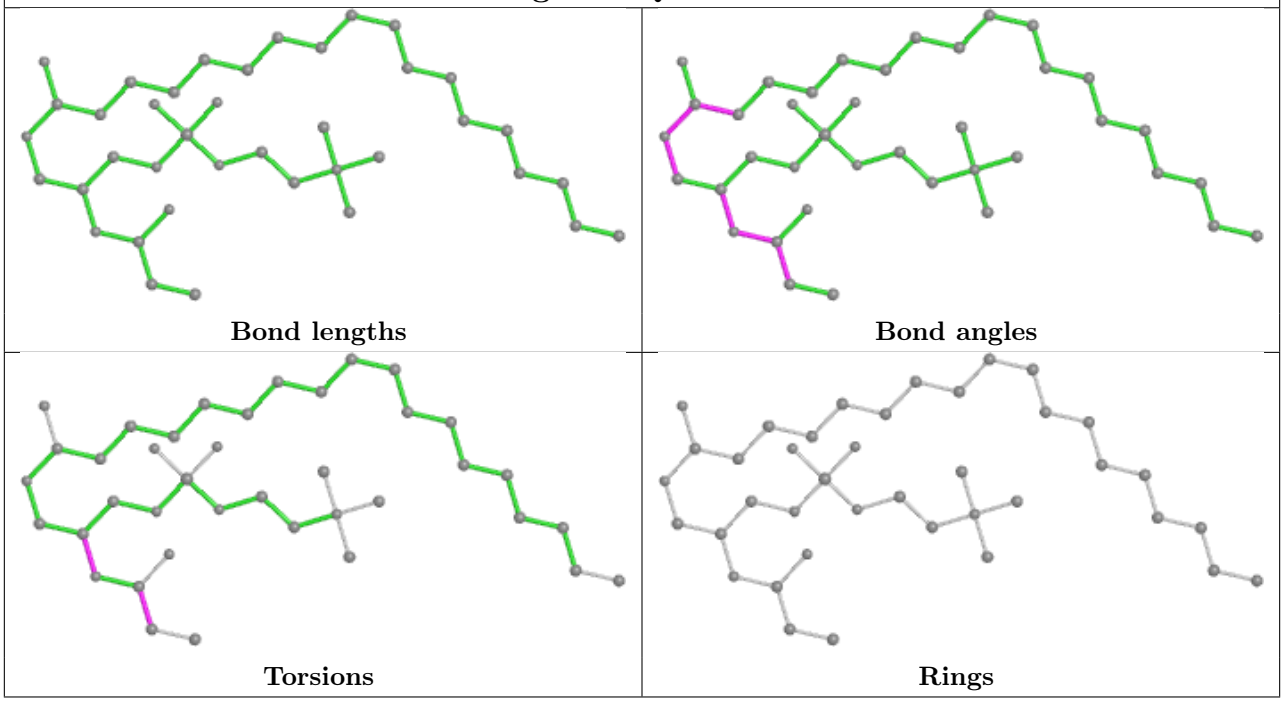
Ligand 7Q9 E 825



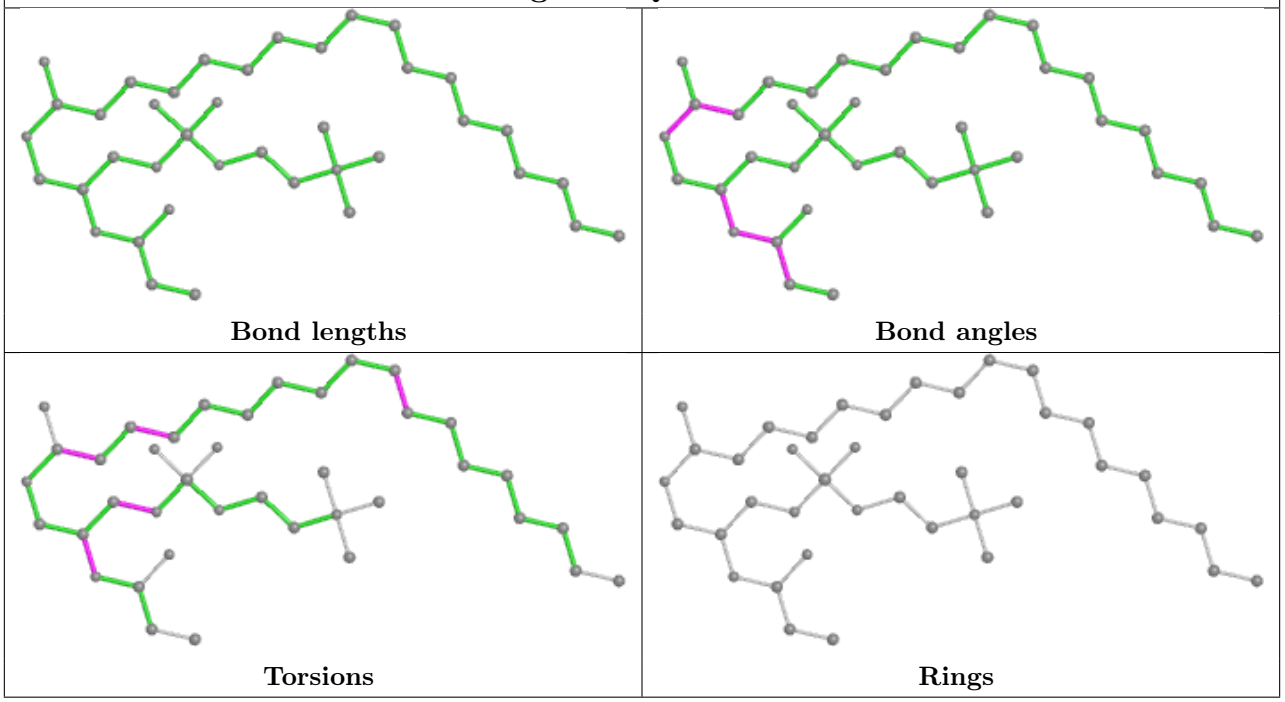
Ligand 7Q9 E 813



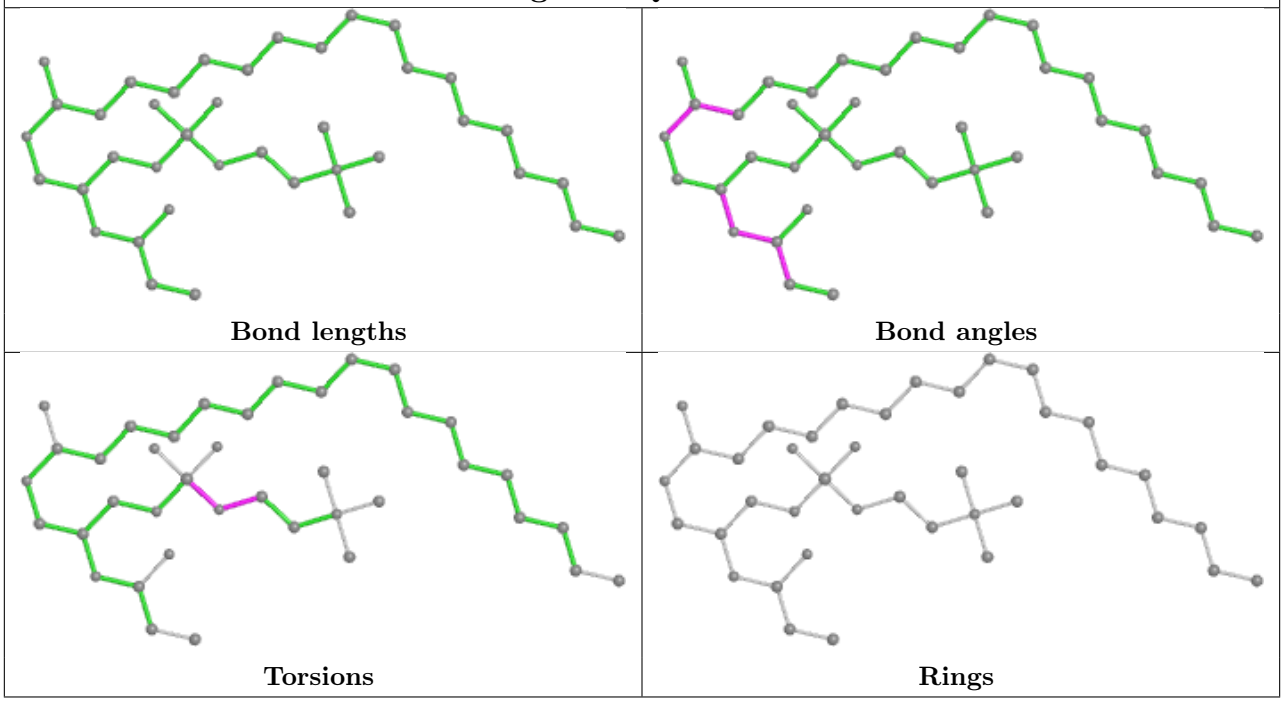
Ligand 7Q9 E 836



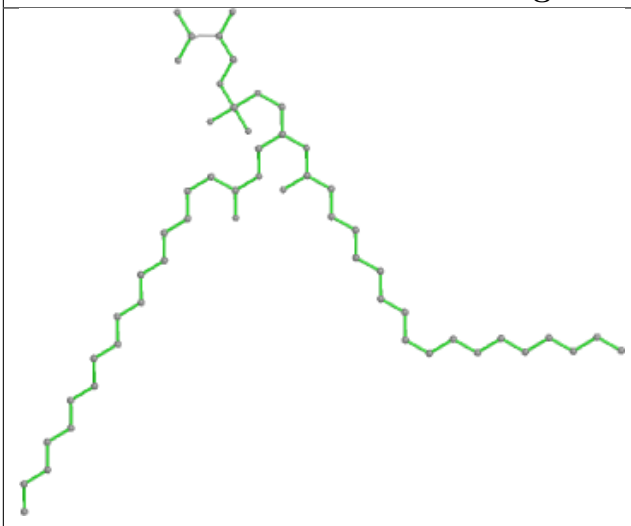
Ligand 7Q9 D 543



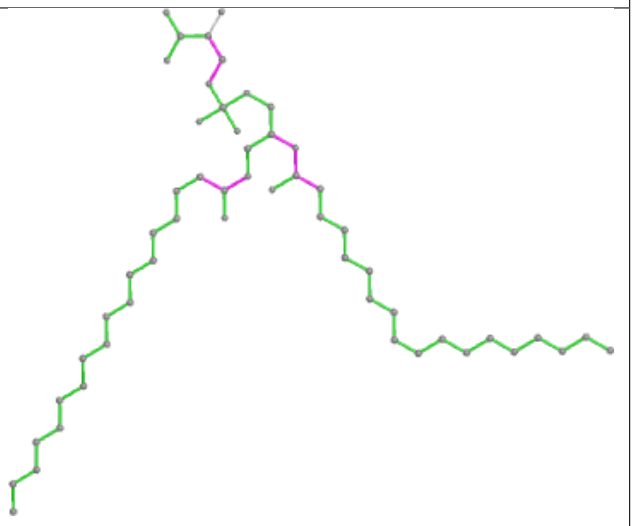
Ligand 7Q9 D 547



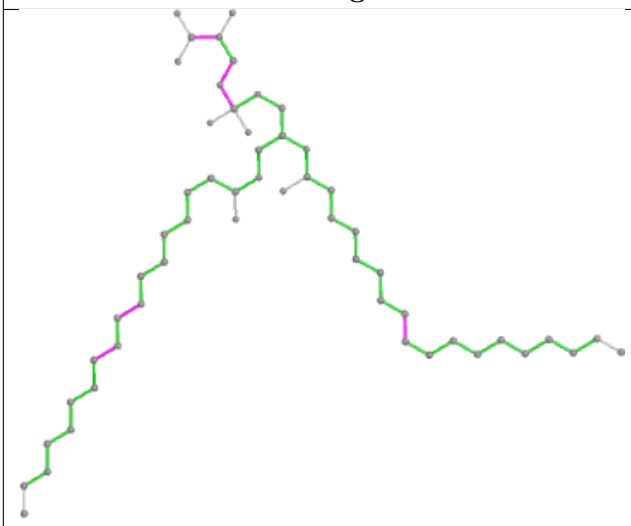
Ligand 17F E 856



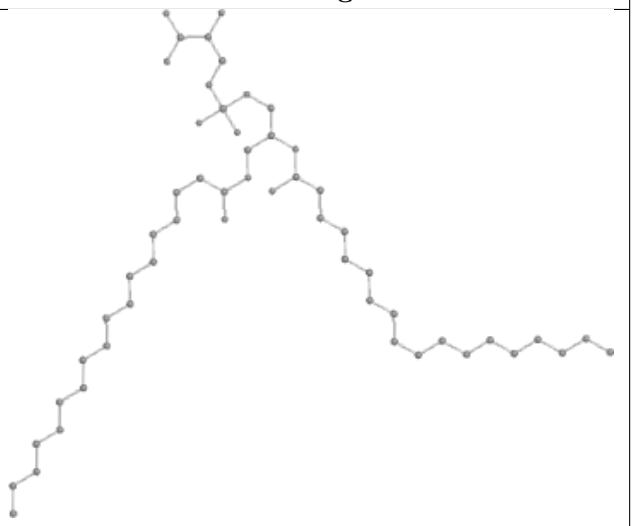
Bond lengths



Bond angles

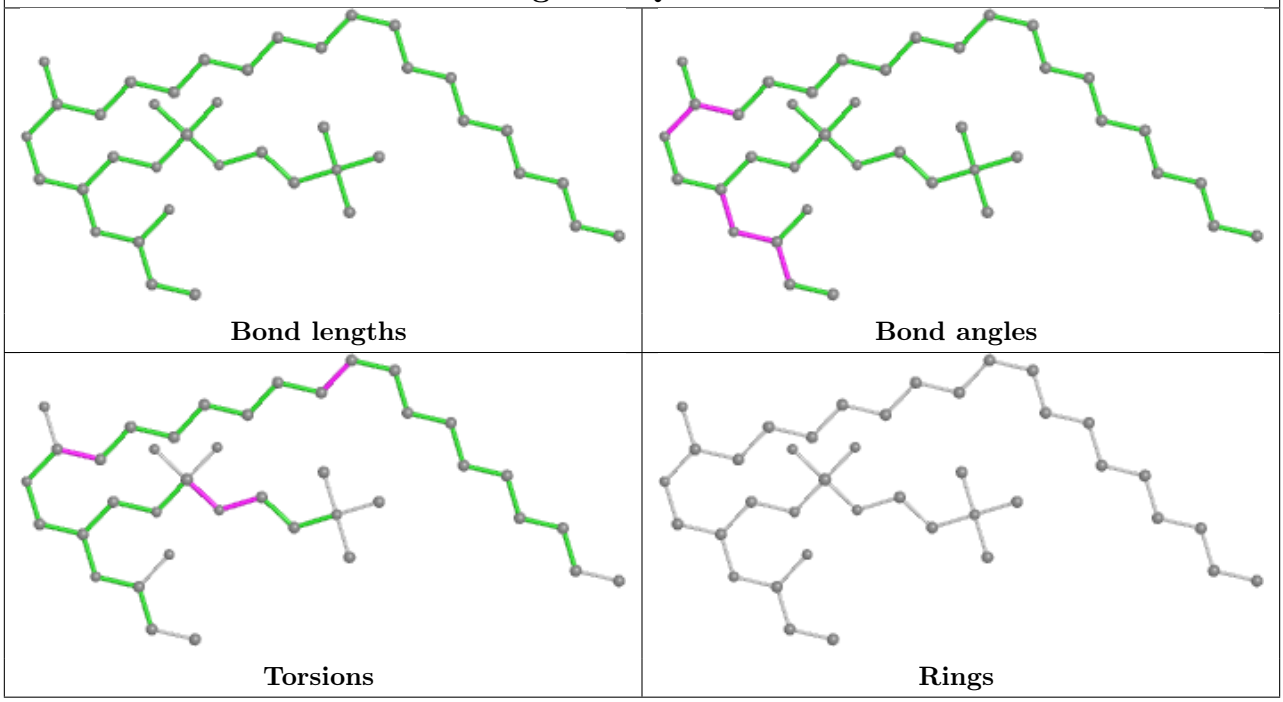


Torsions

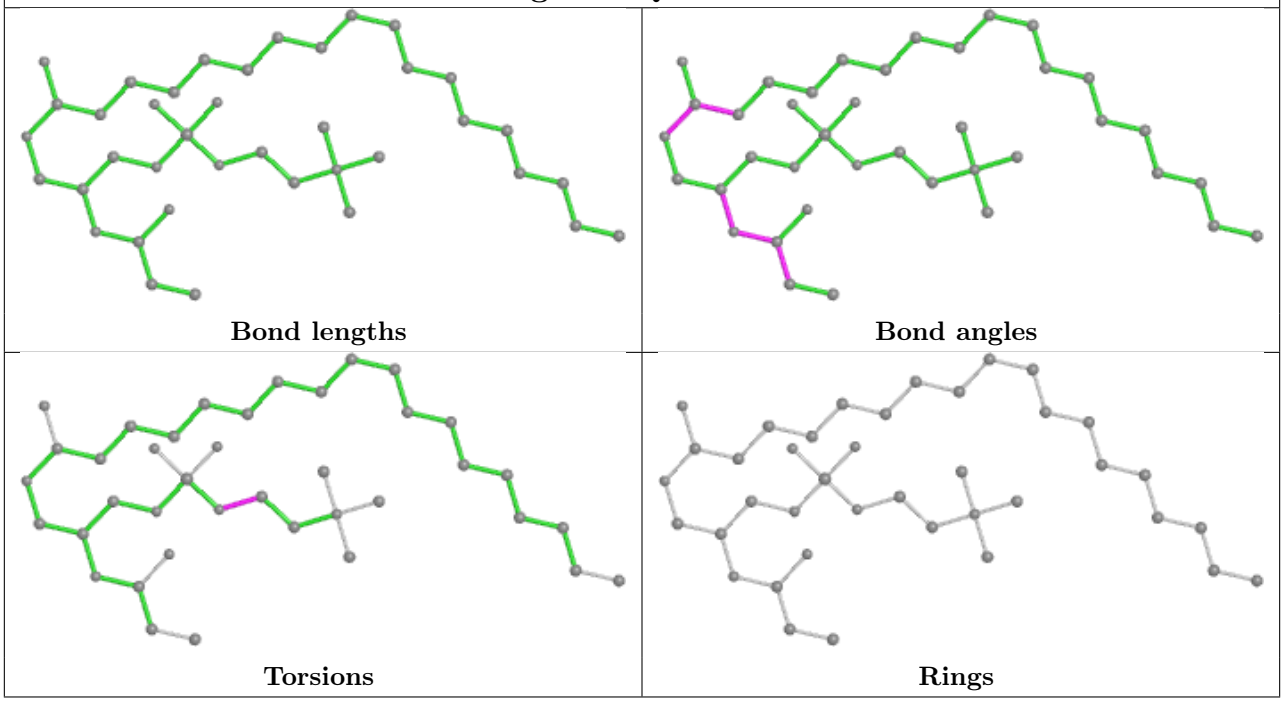


Rings

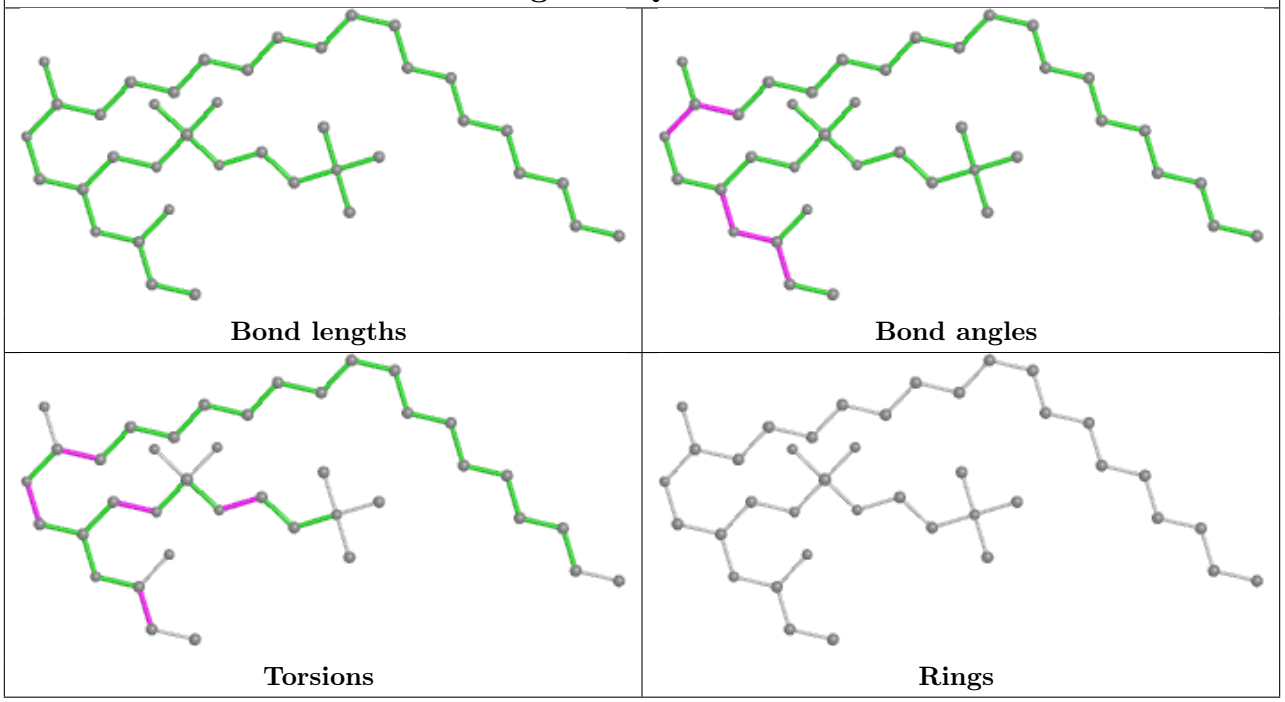
Ligand 7Q9 E 858



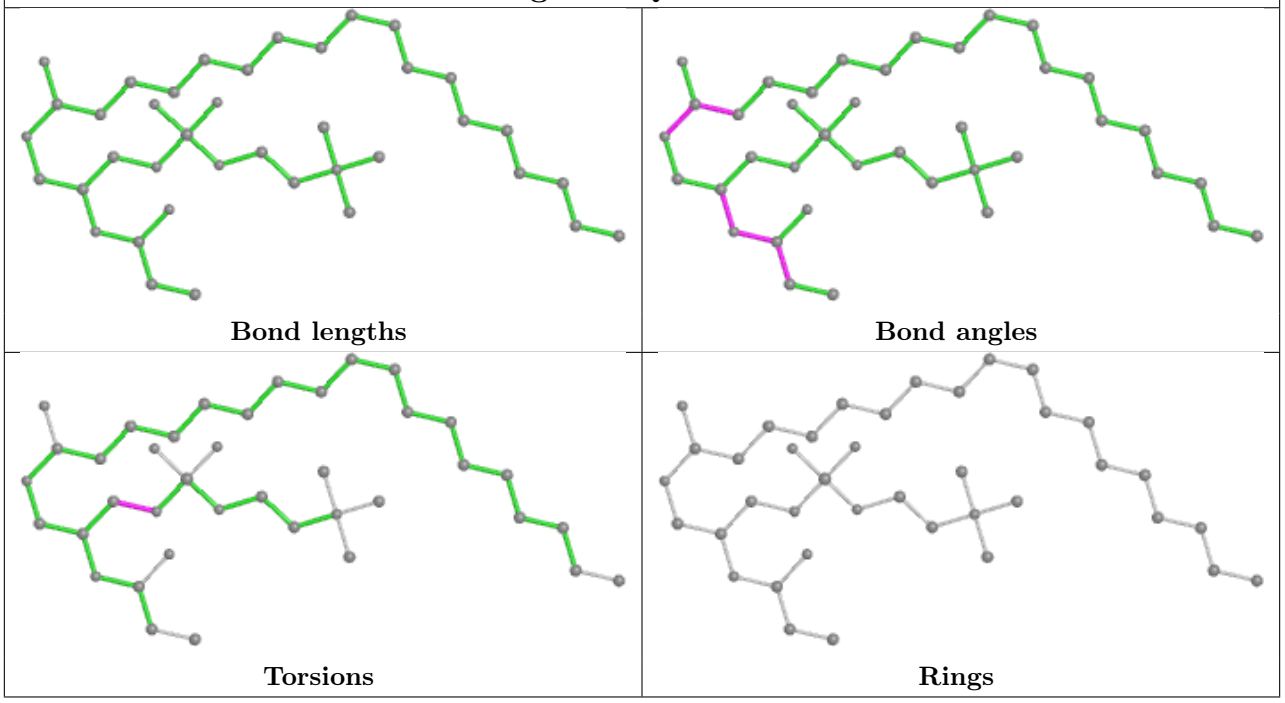
Ligand 7Q9 A 213



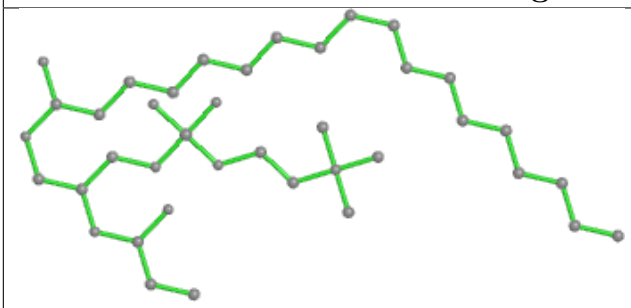
Ligand 7Q9 D 537



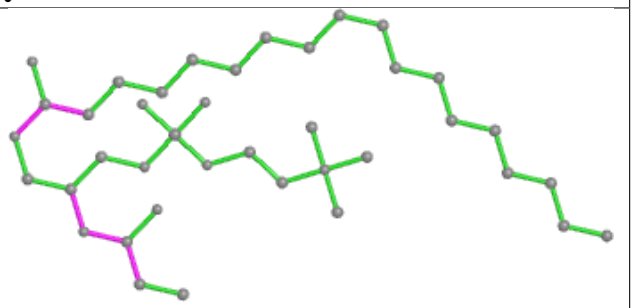
Ligand 7Q9 D 538



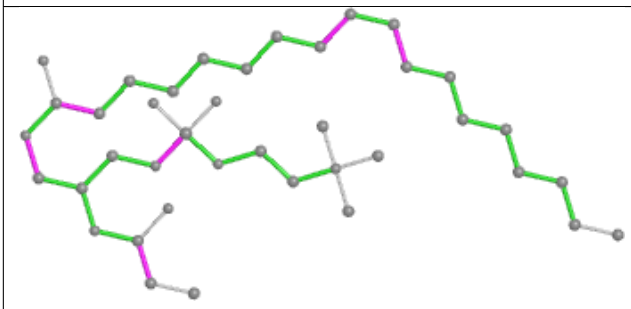
Ligand 7Q9 E 878



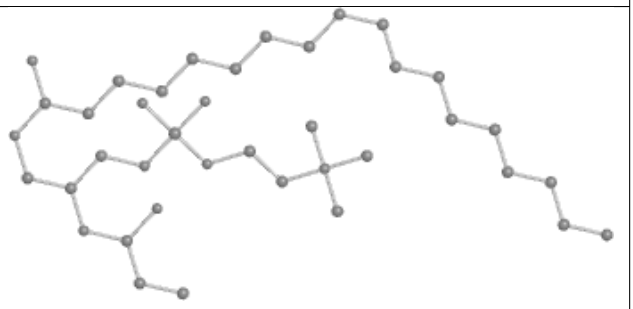
Bond lengths



Bond angles

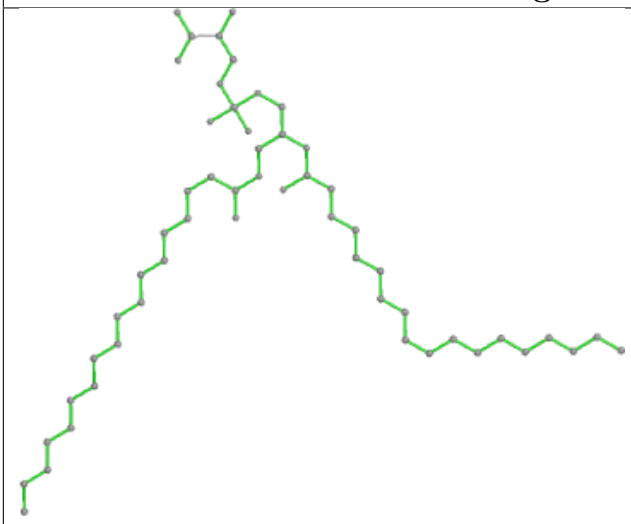


Torsions

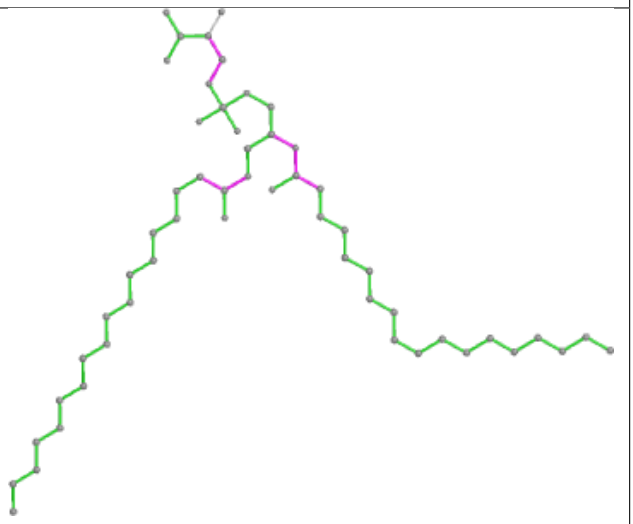


Rings

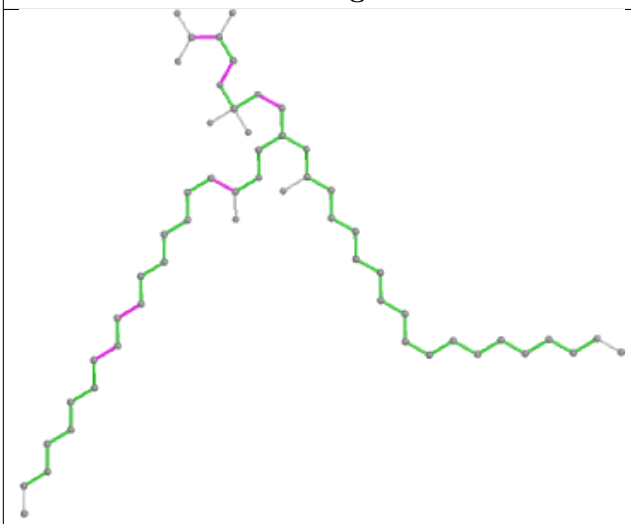
Ligand 17F E 870



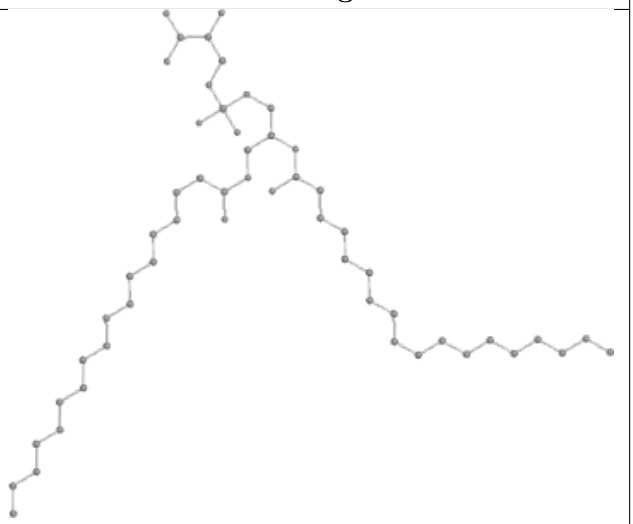
Bond lengths



Bond angles

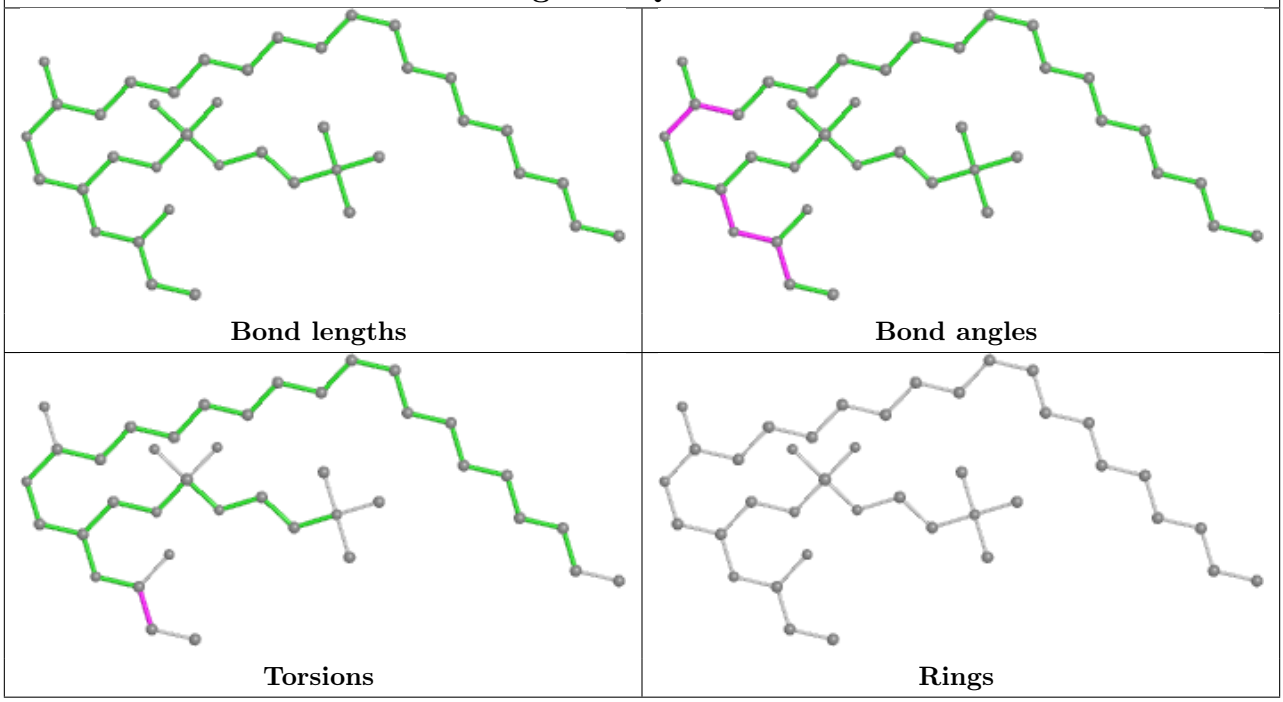


Torsions

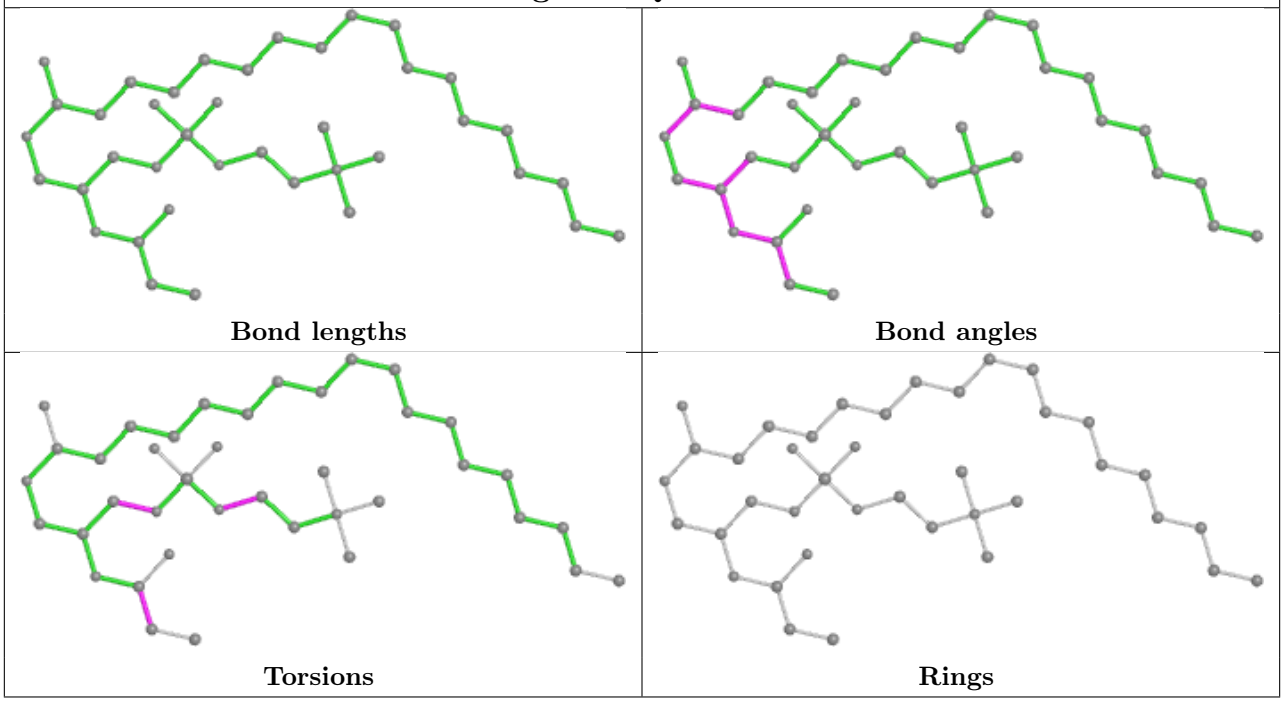


Rings

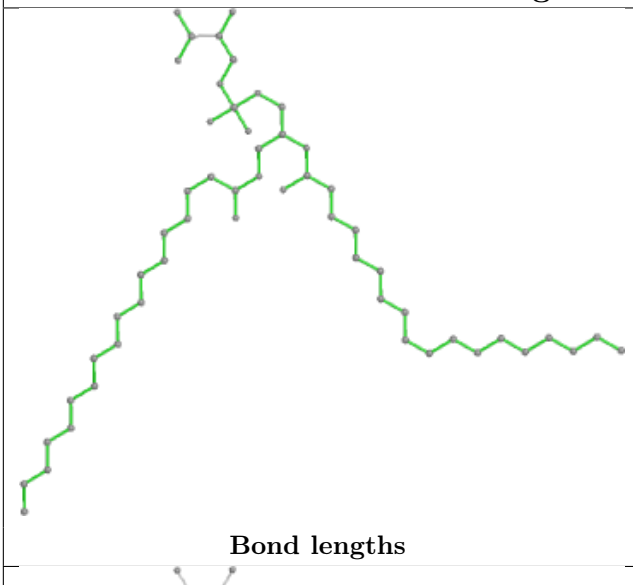
Ligand 7Q9 E 844



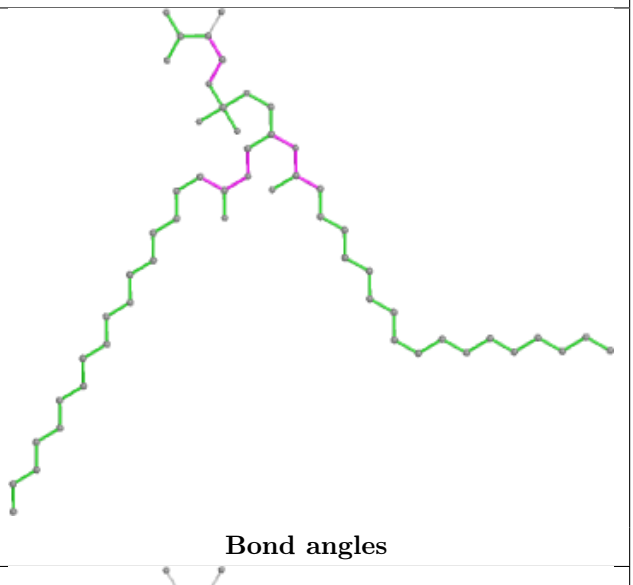
Ligand 7Q9 E 829



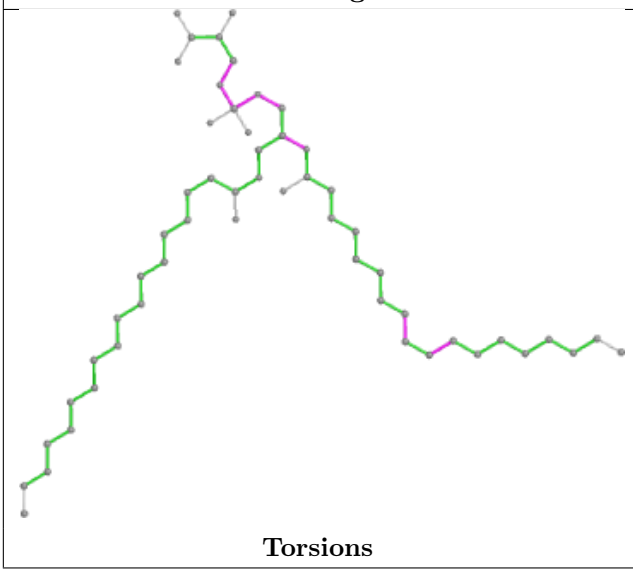
Ligand 17F B 219



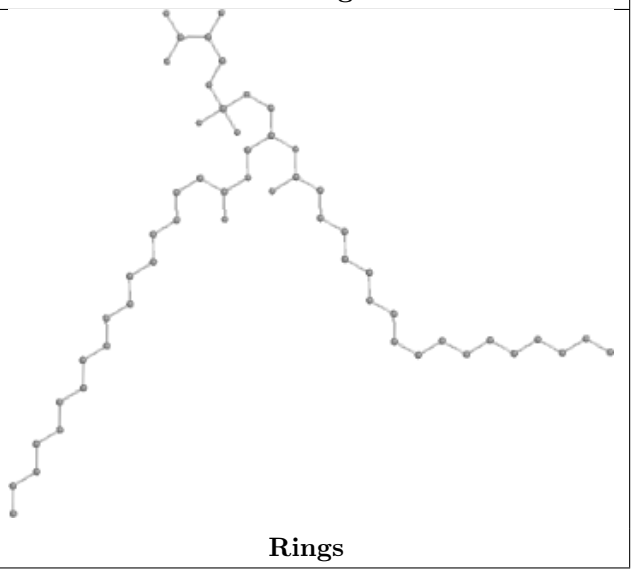
Bond lengths



Bond angles

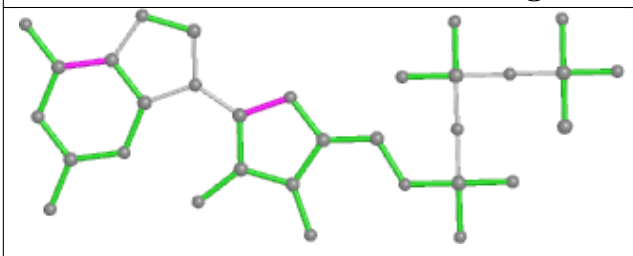


Torsions

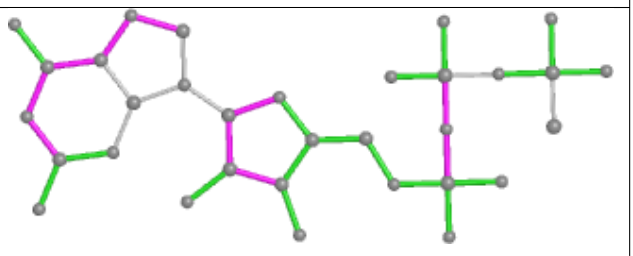


Rings

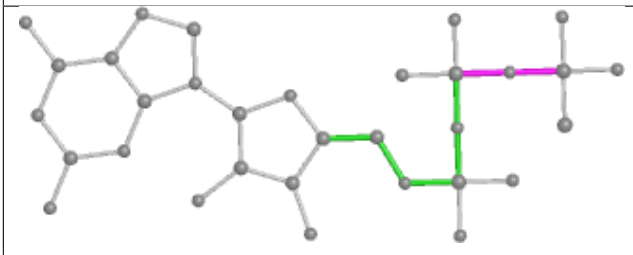
Ligand GSP B 201



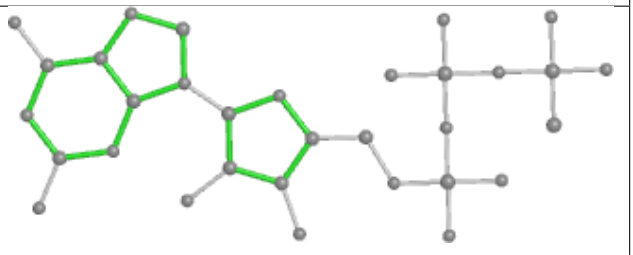
Bond lengths



Bond angles

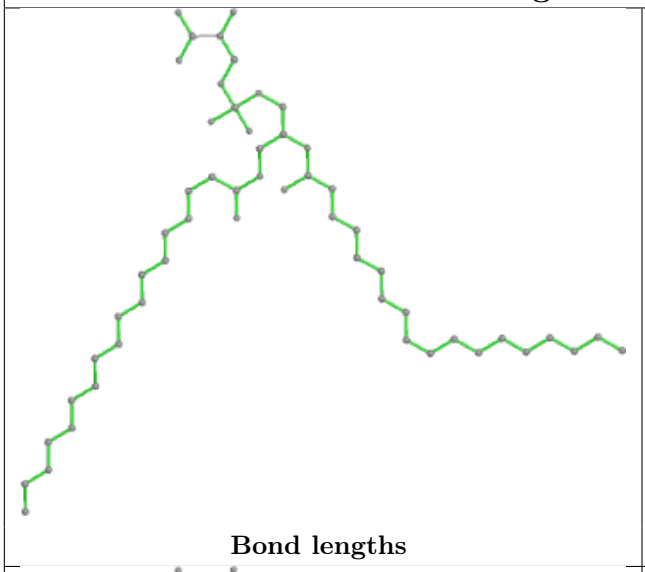


Torsions

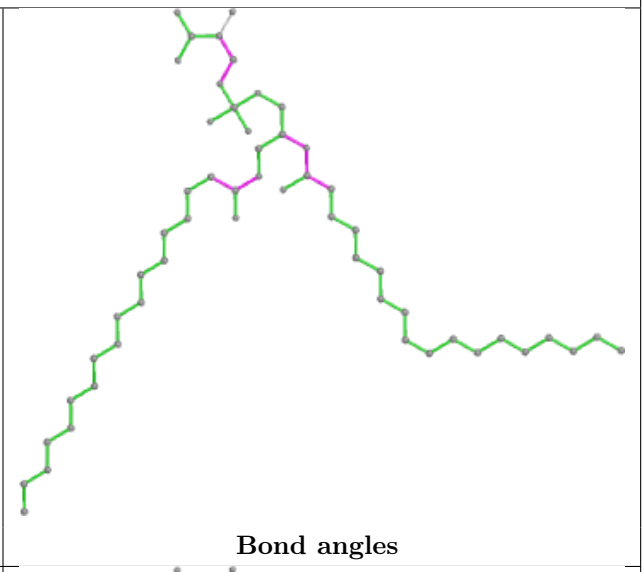


Rings

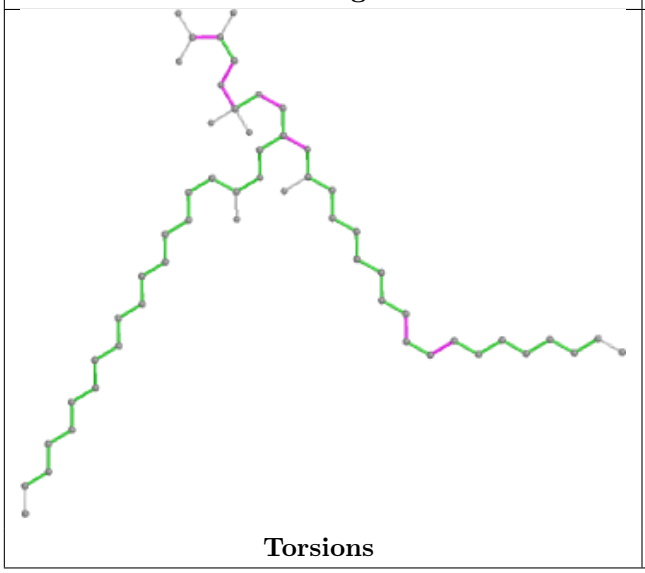
Ligand 17F A 208



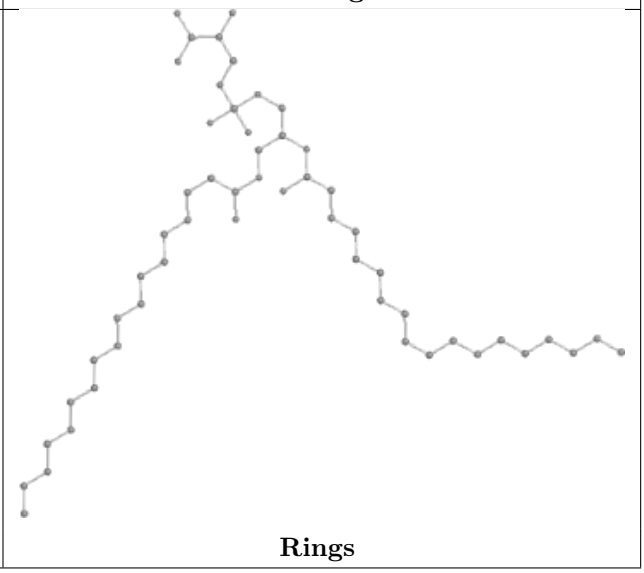
Bond lengths



Bond angles

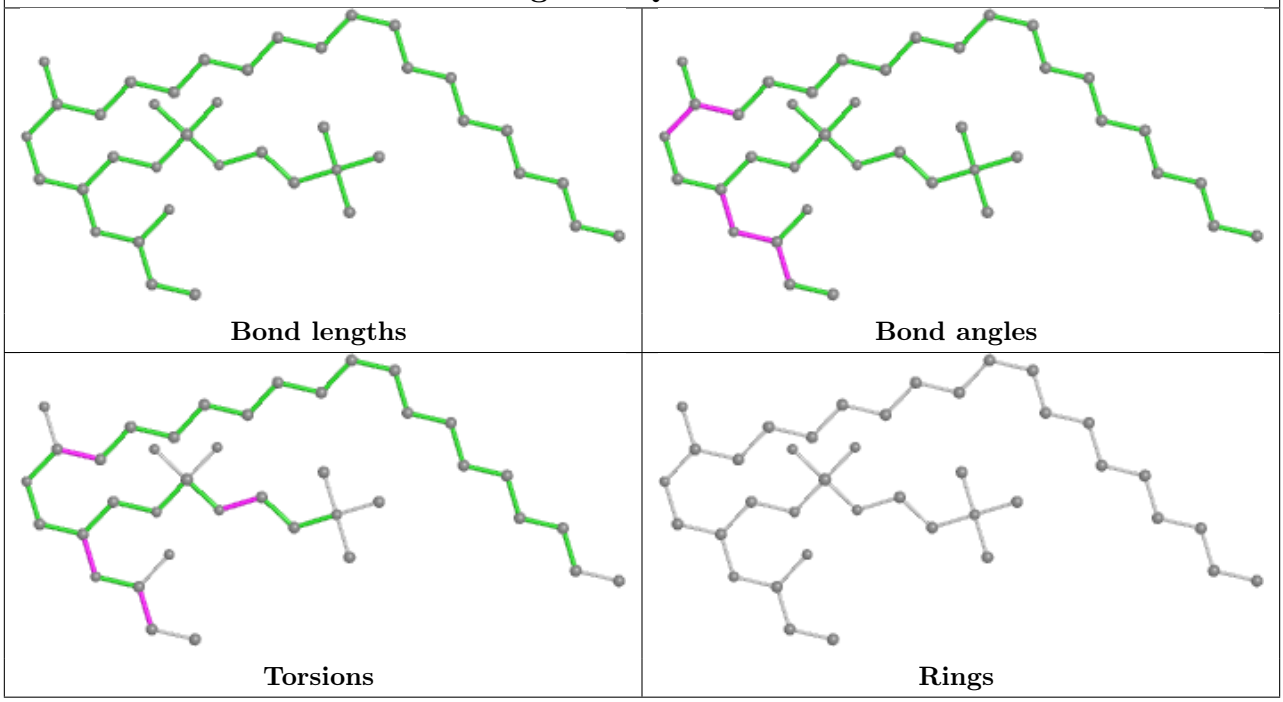


Torsions

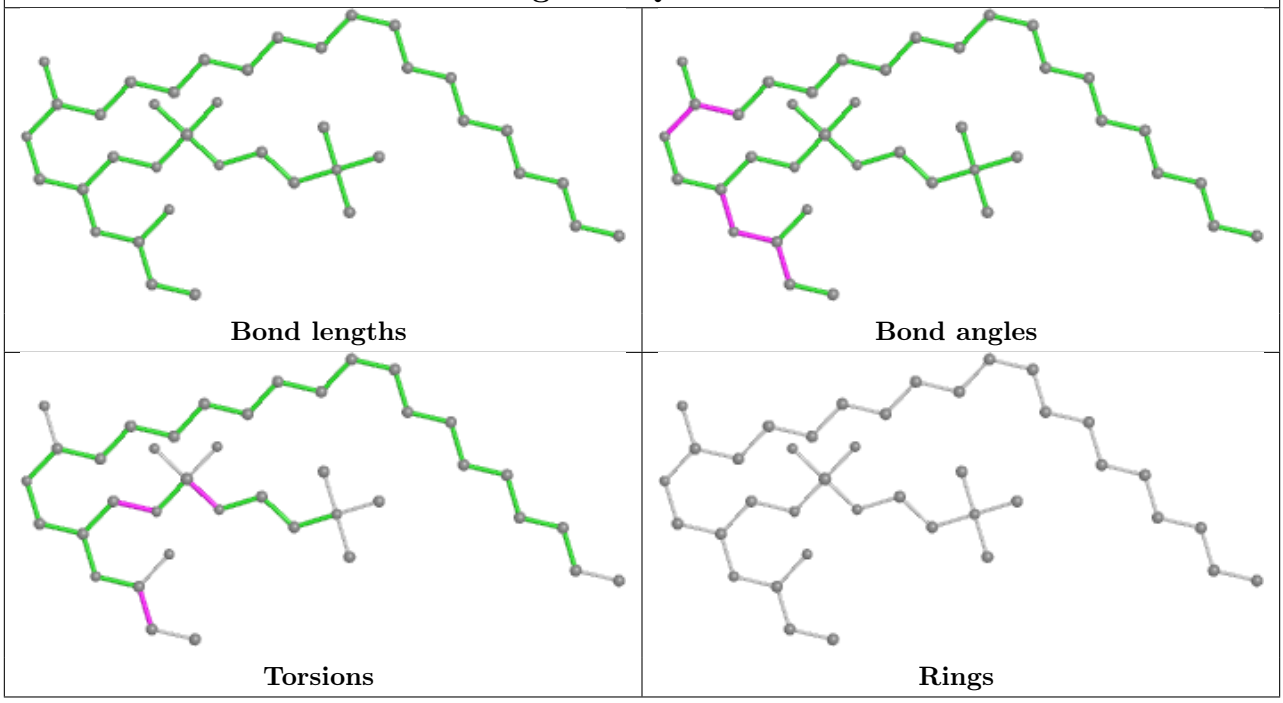


Rings

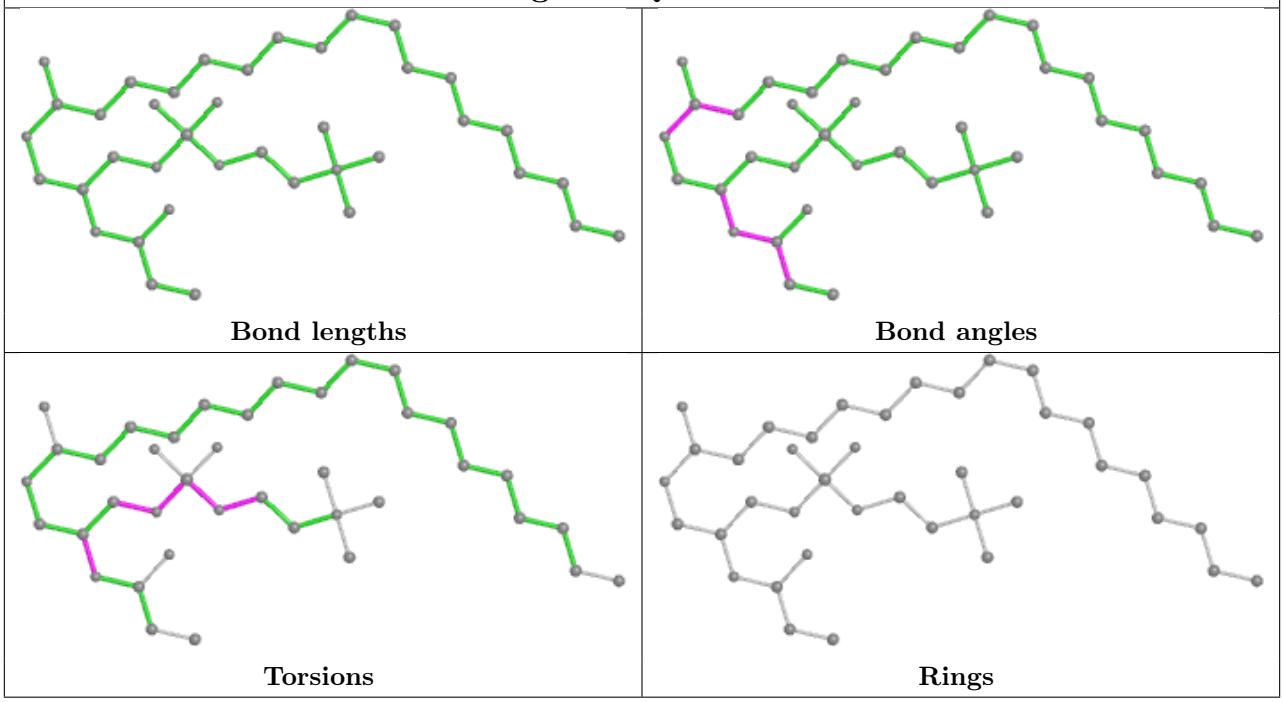
Ligand 7Q9 D 521



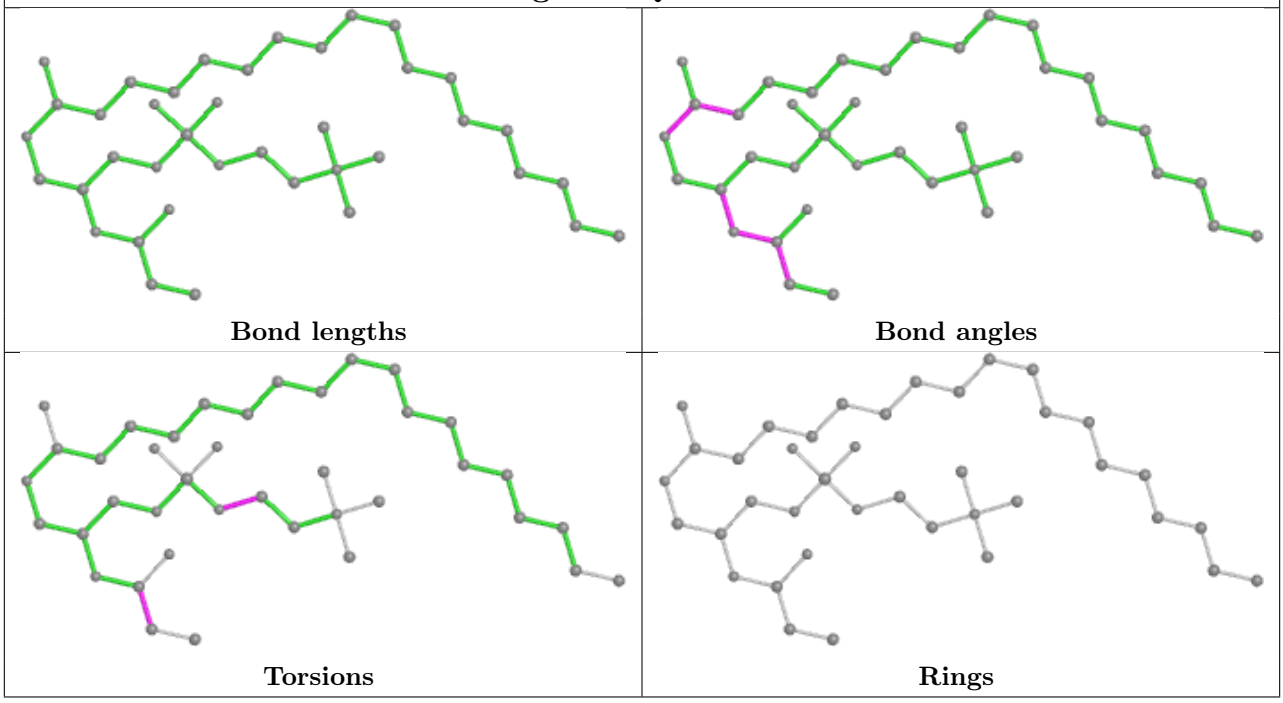
Ligand 7Q9 E 875



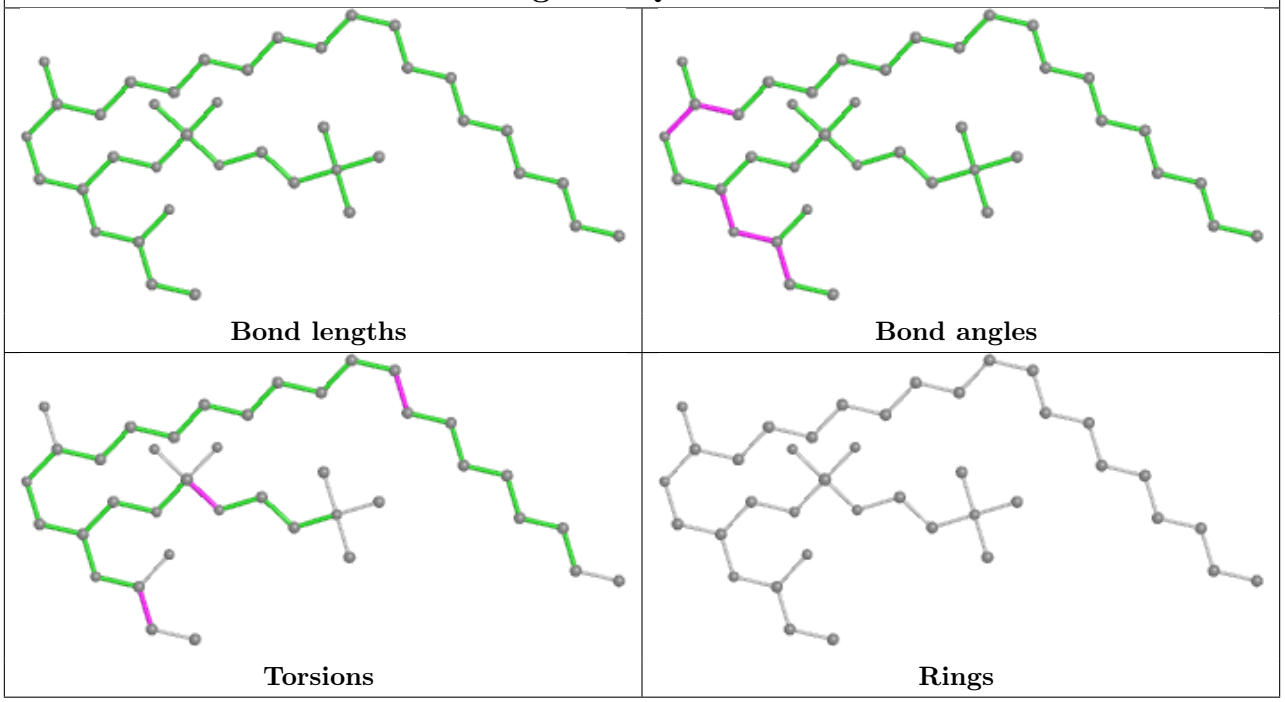
Ligand 7Q9 B 213



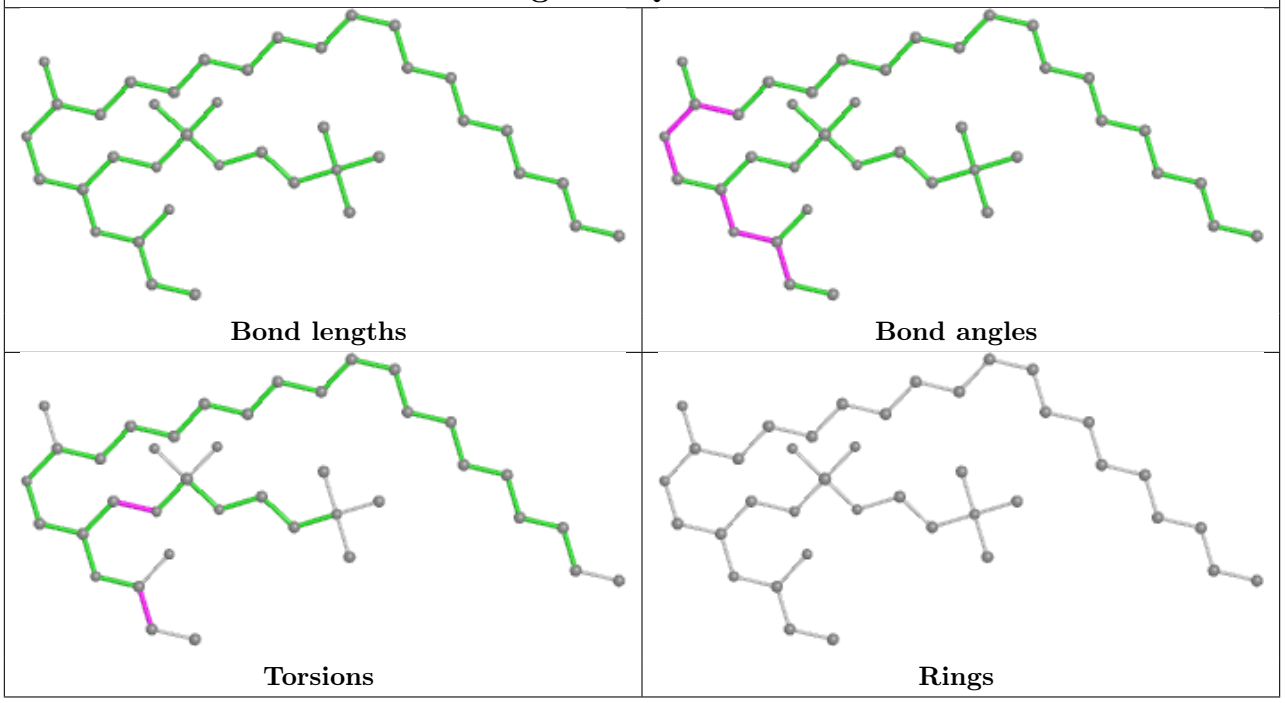
Ligand 7Q9 E 863



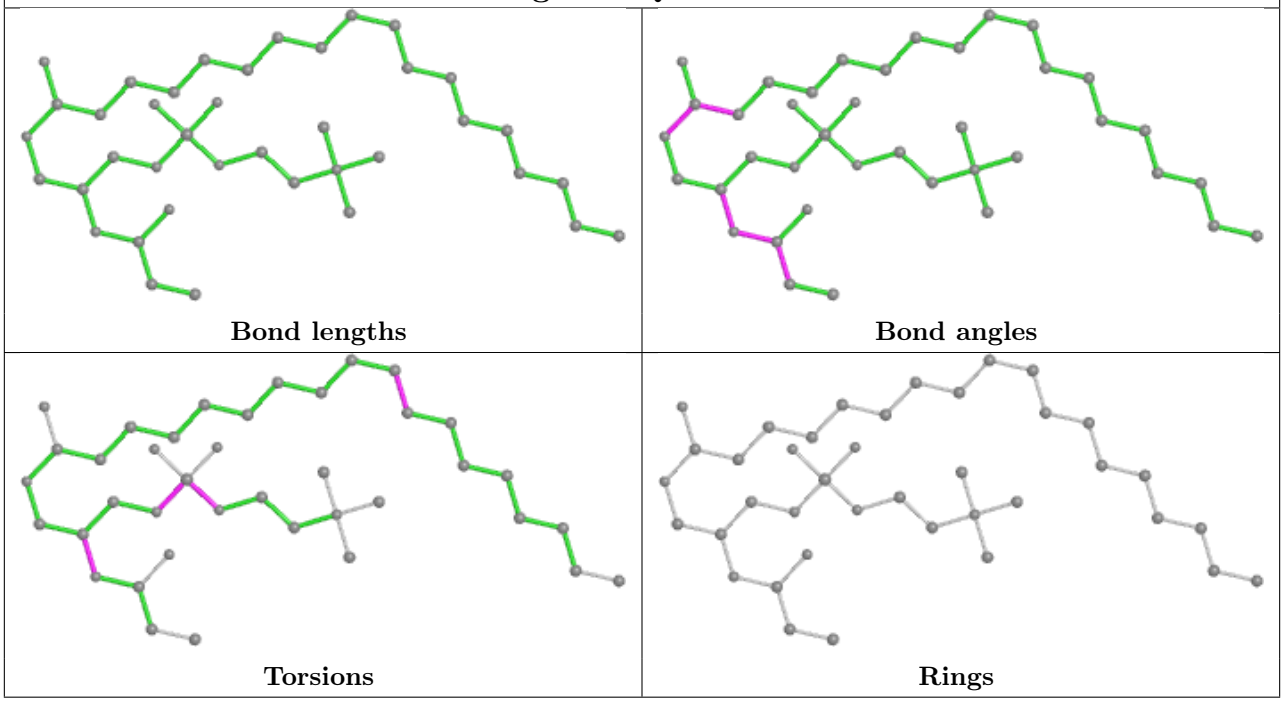
Ligand 7Q9 E 871



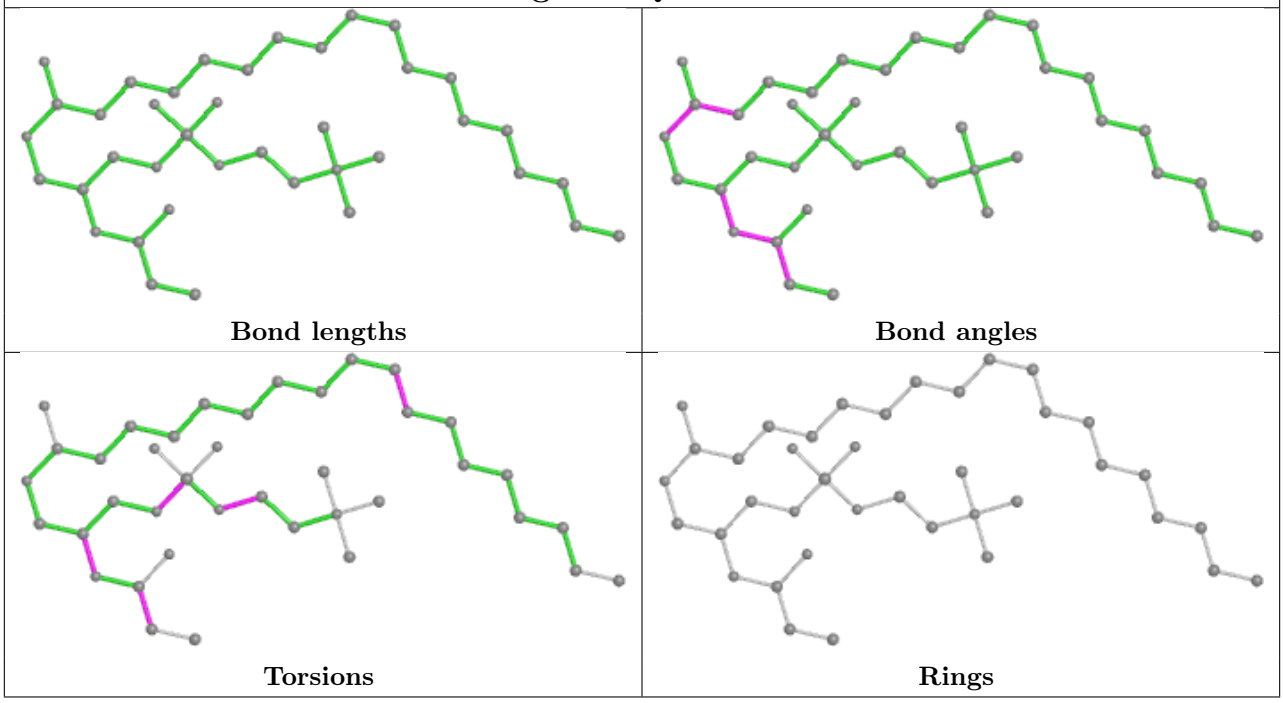
Ligand 7Q9 B 216



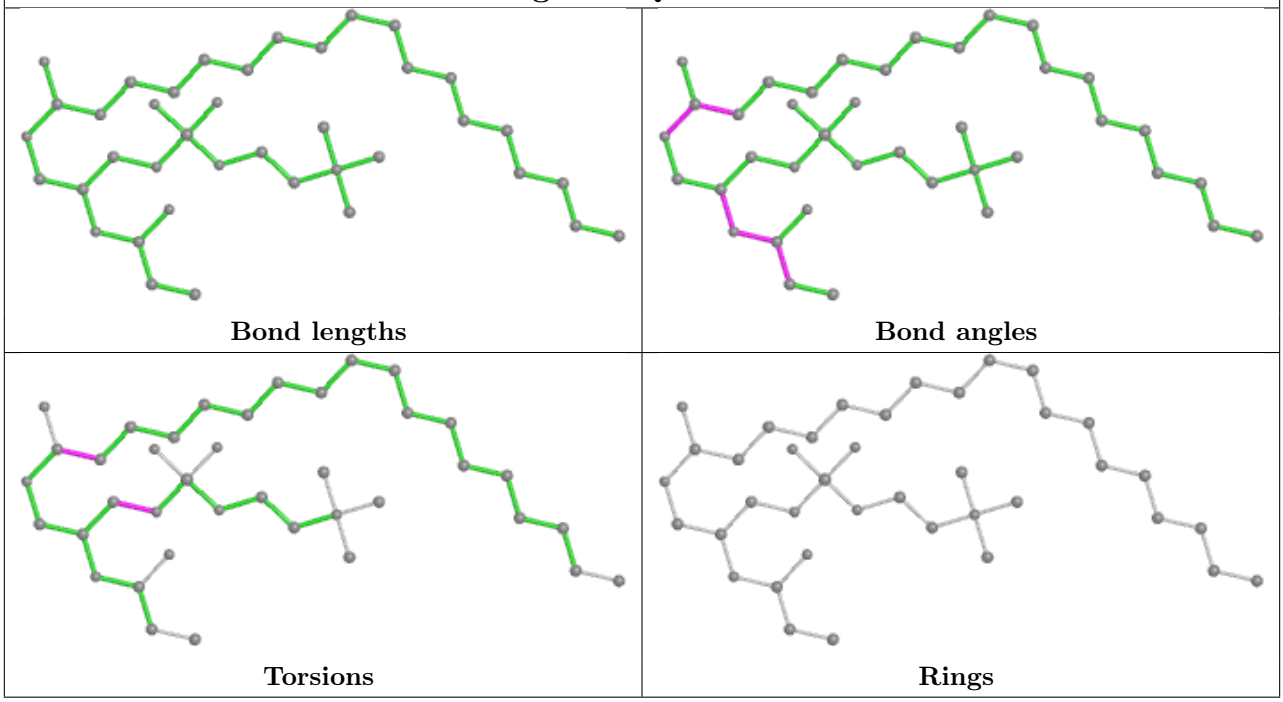
Ligand 7Q9 E 832



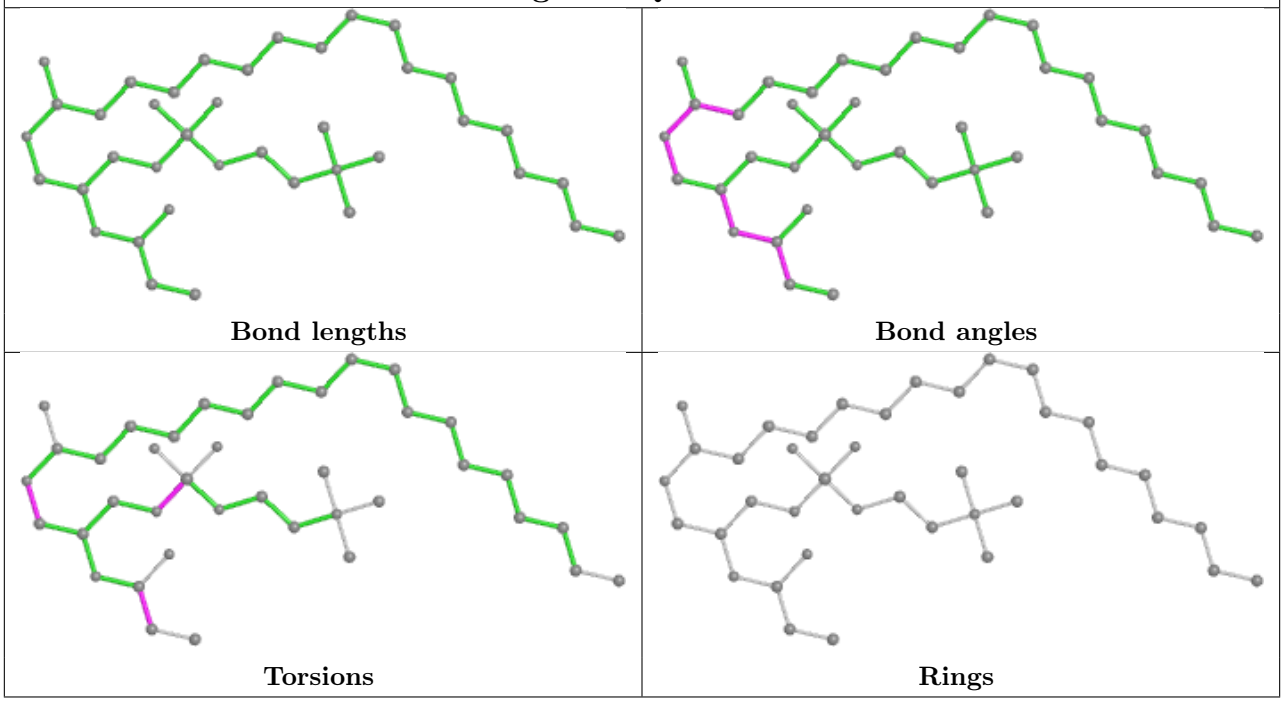
Ligand 7Q9 E 852



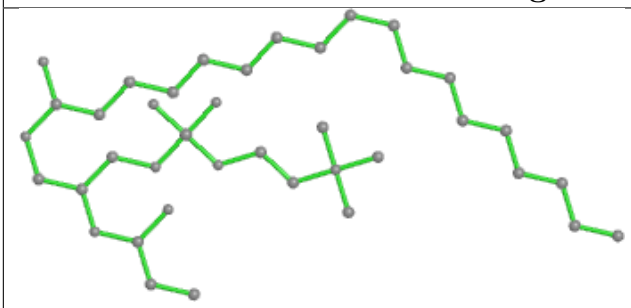
Ligand 7Q9 E 839



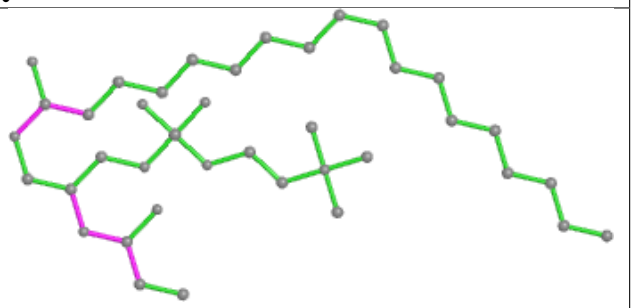
Ligand 7Q9 E 845



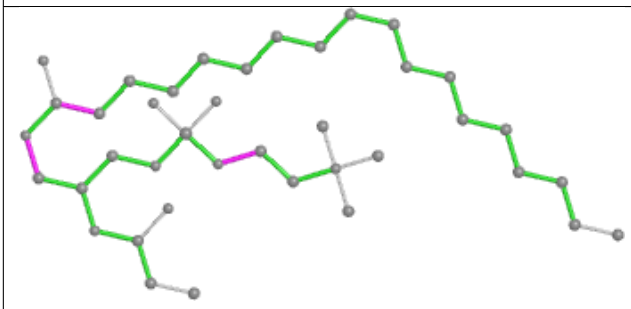
Ligand 7Q9 D 506



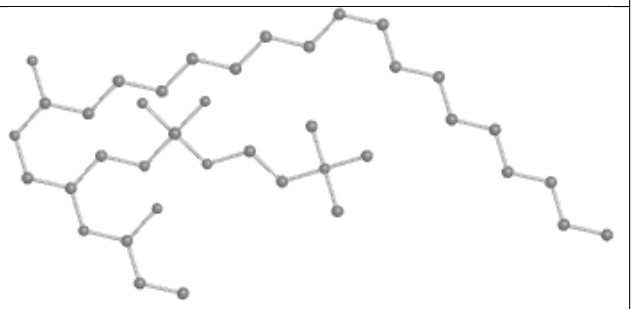
Bond lengths



Bond angles

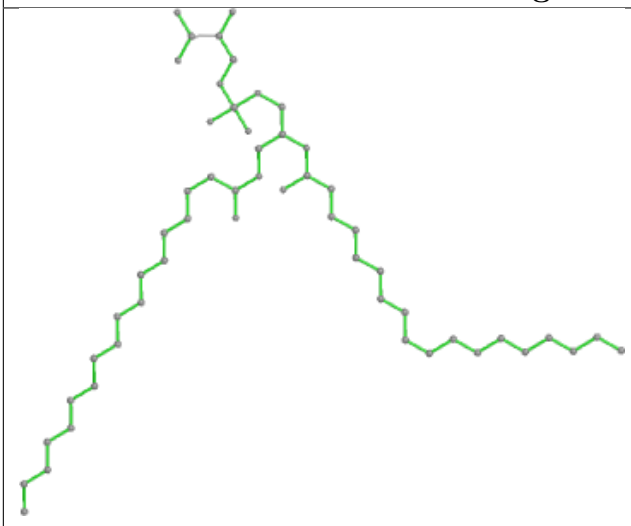


Torsions

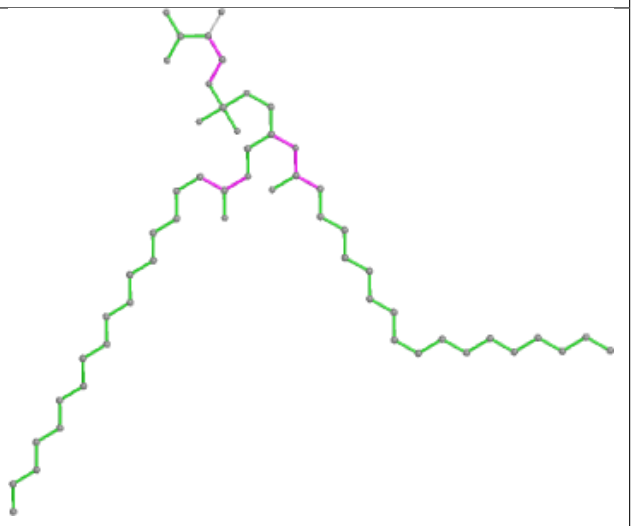


Rings

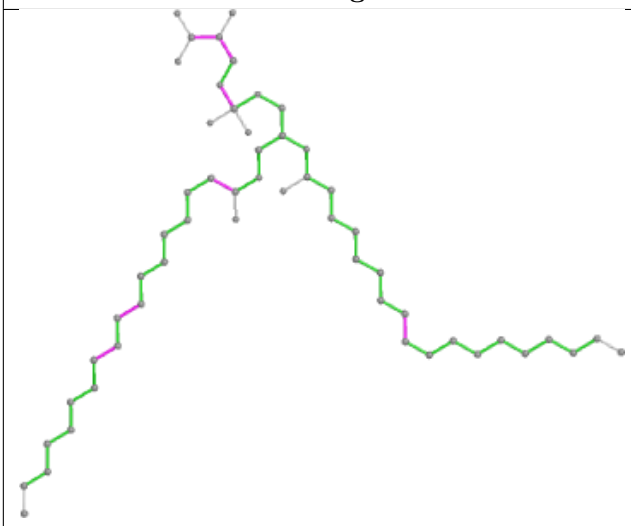
Ligand 17F B 208



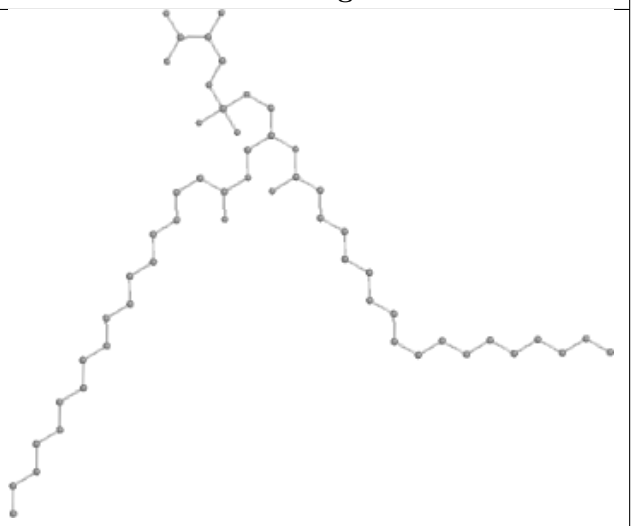
Bond lengths



Bond angles

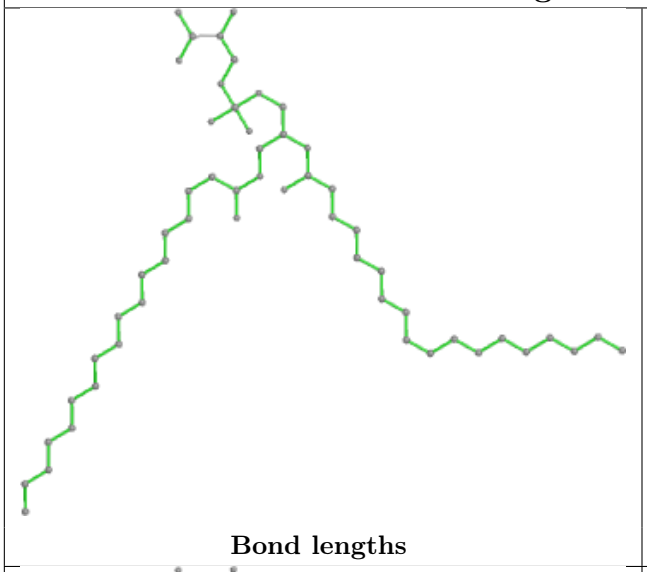


Torsions

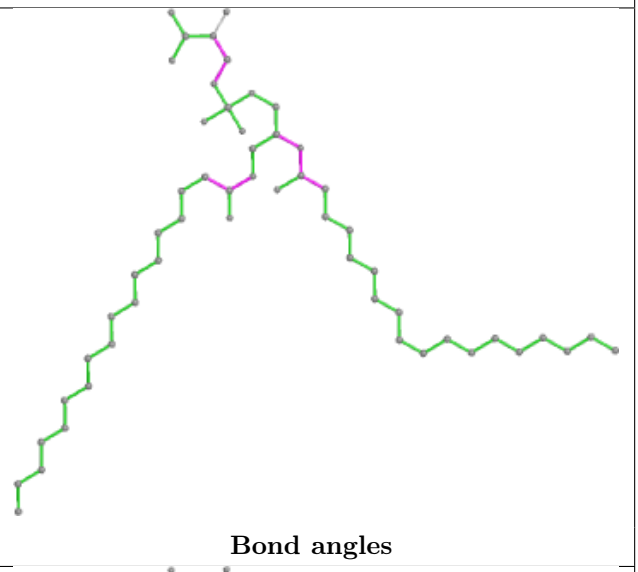


Rings

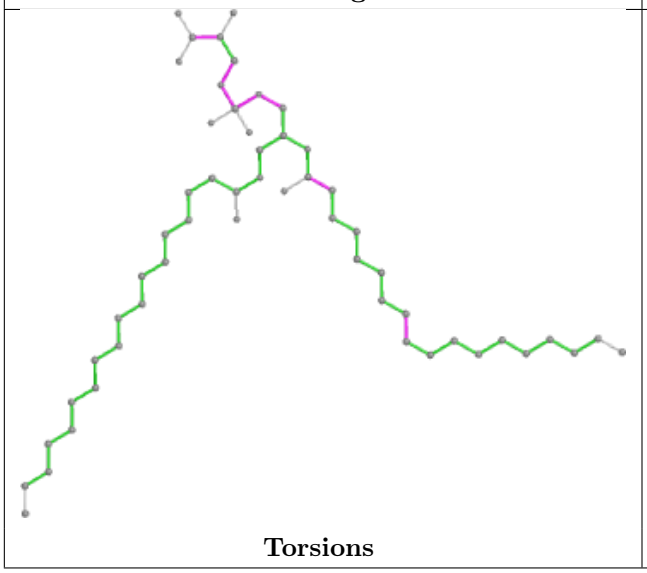
Ligand 17F E 872



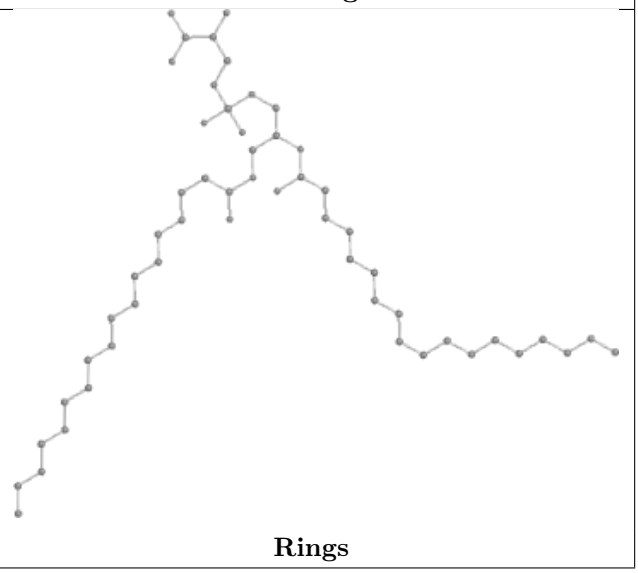
Bond lengths



Bond angles

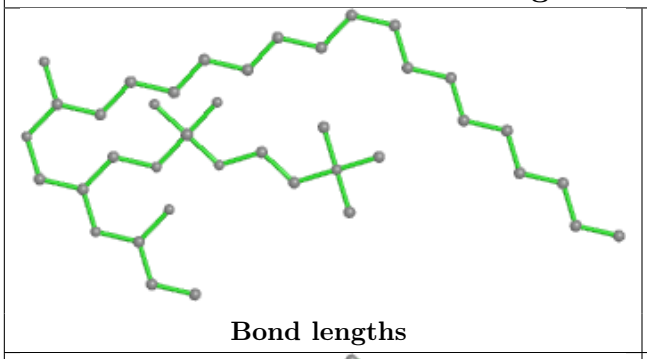


Torsions

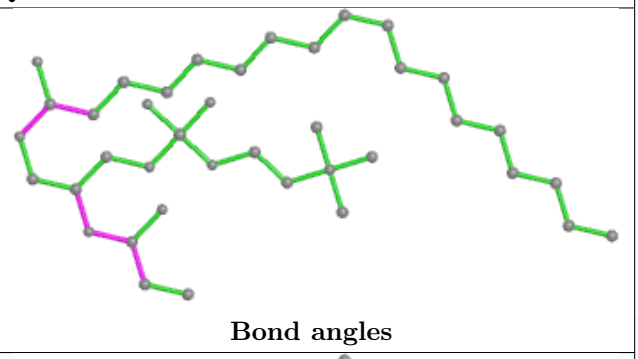


Rings

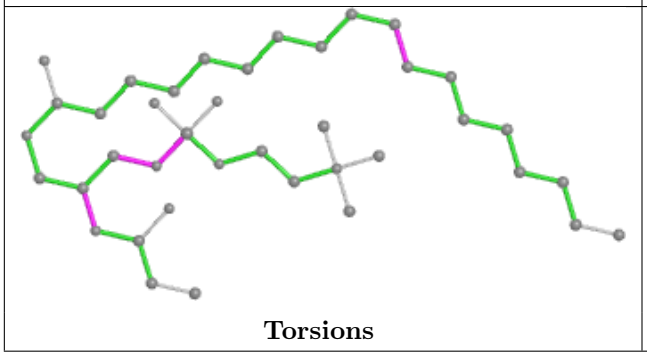
Ligand 7Q9 B 212



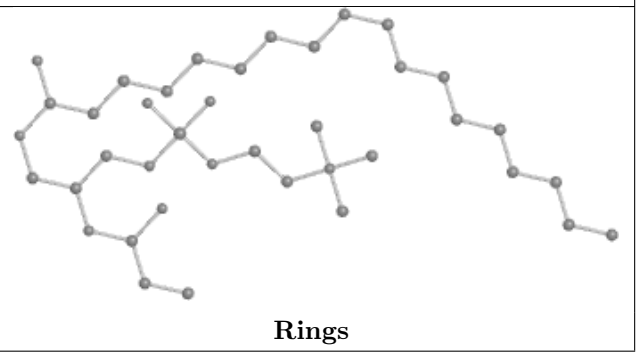
Bond lengths



Bond angles

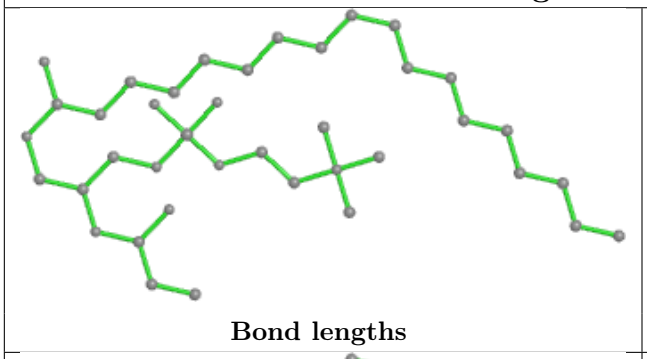


Torsions

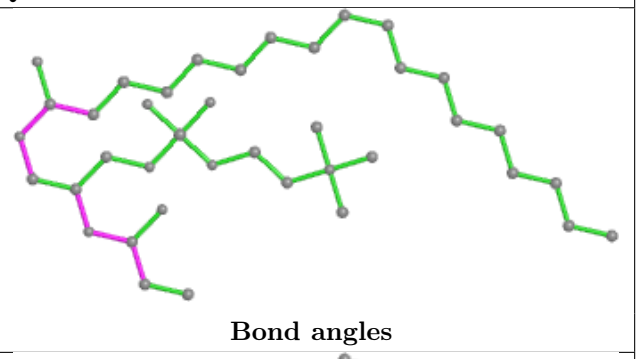


Rings

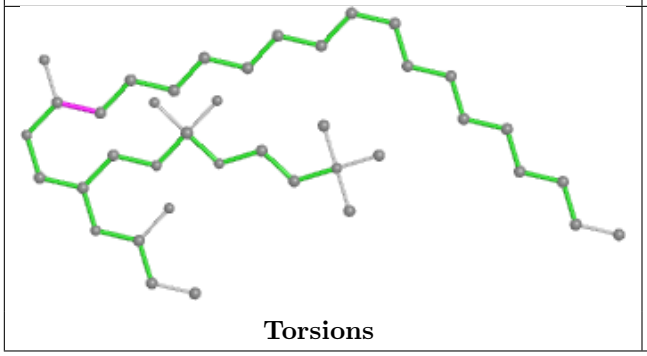
Ligand 7Q9 E 814



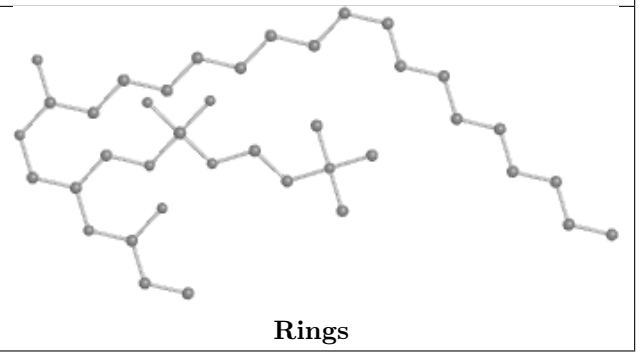
Bond lengths



Bond angles

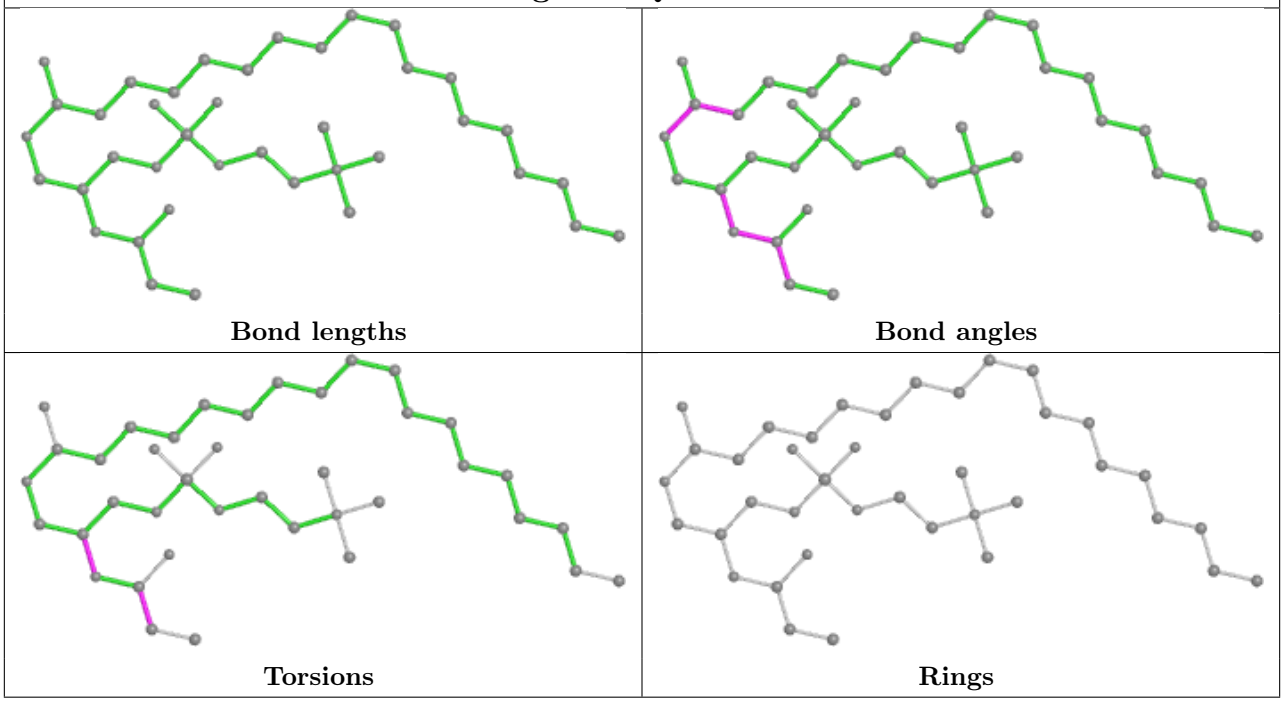


Torsions

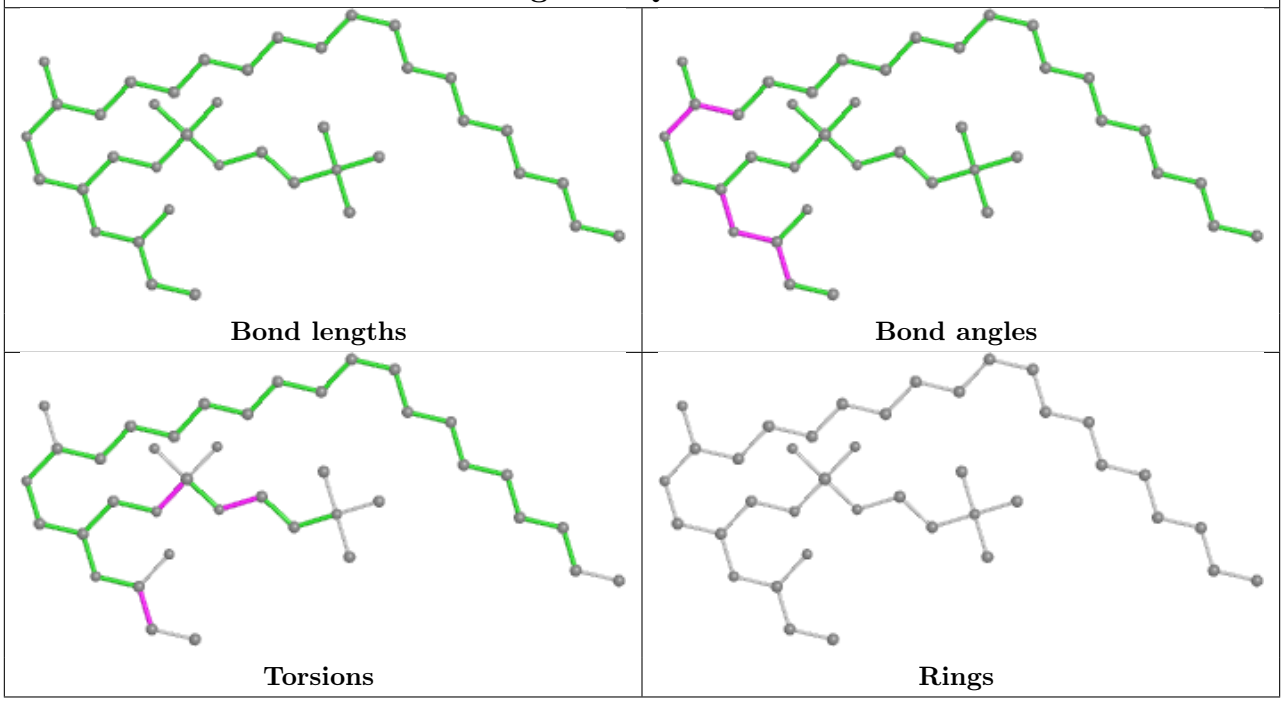


Rings

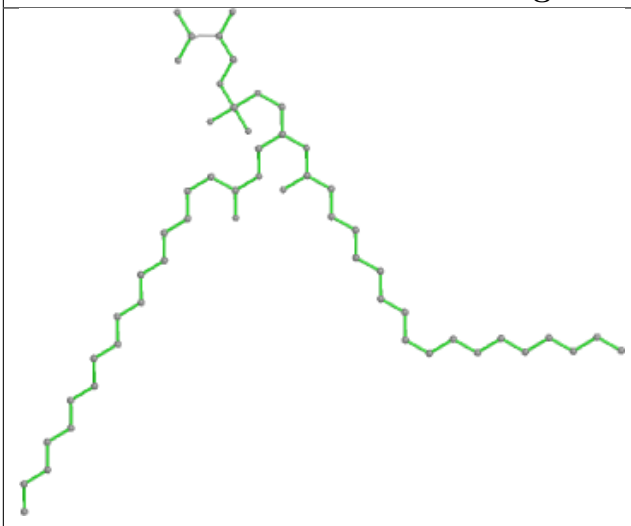
Ligand 7Q9 E 868



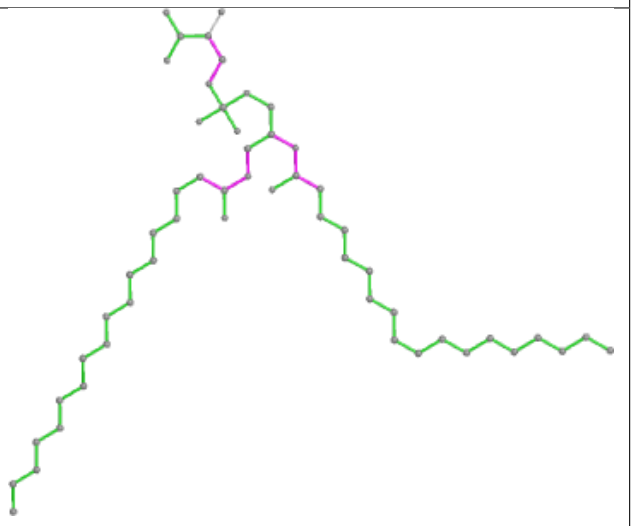
Ligand 7Q9 D 502



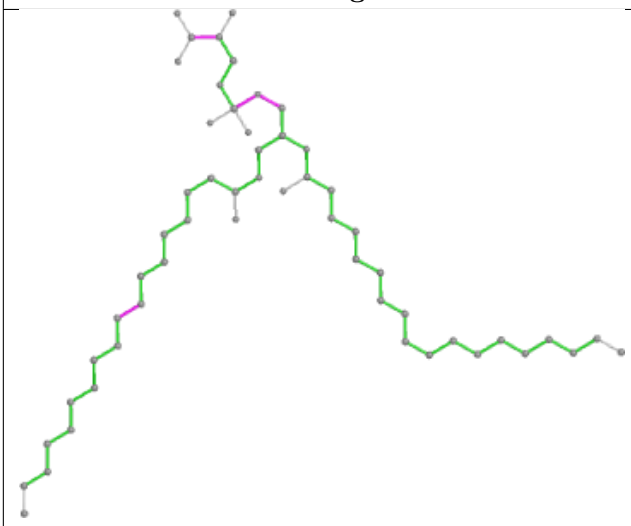
Ligand 17F E 838



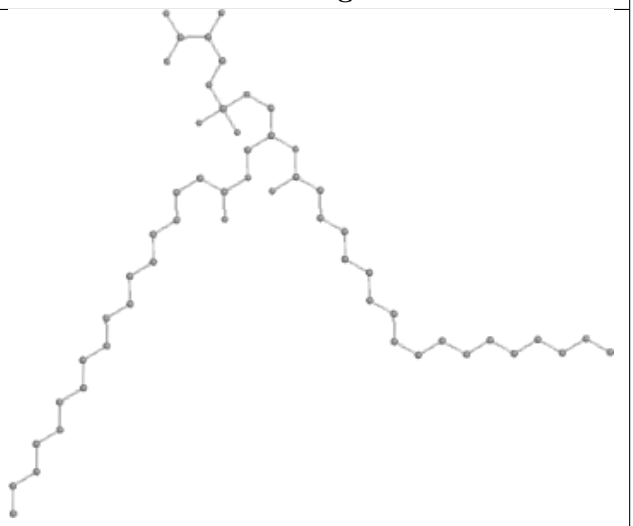
Bond lengths



Bond angles

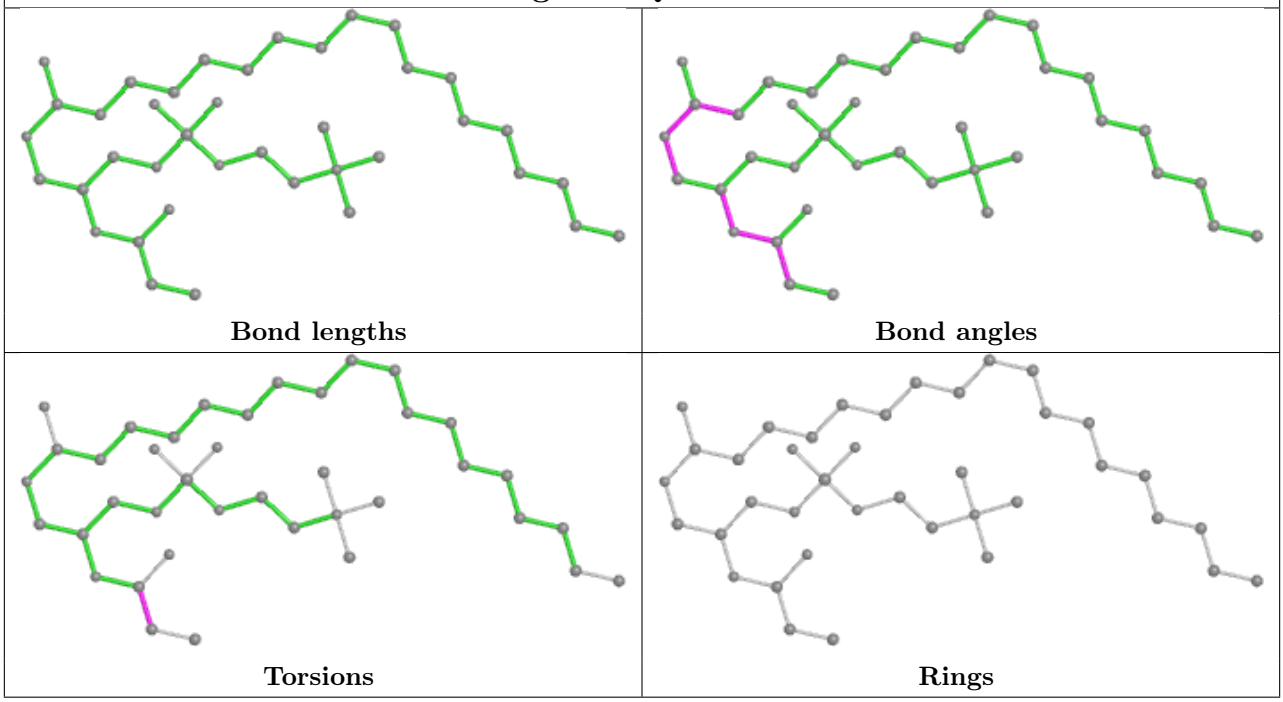


Torsions

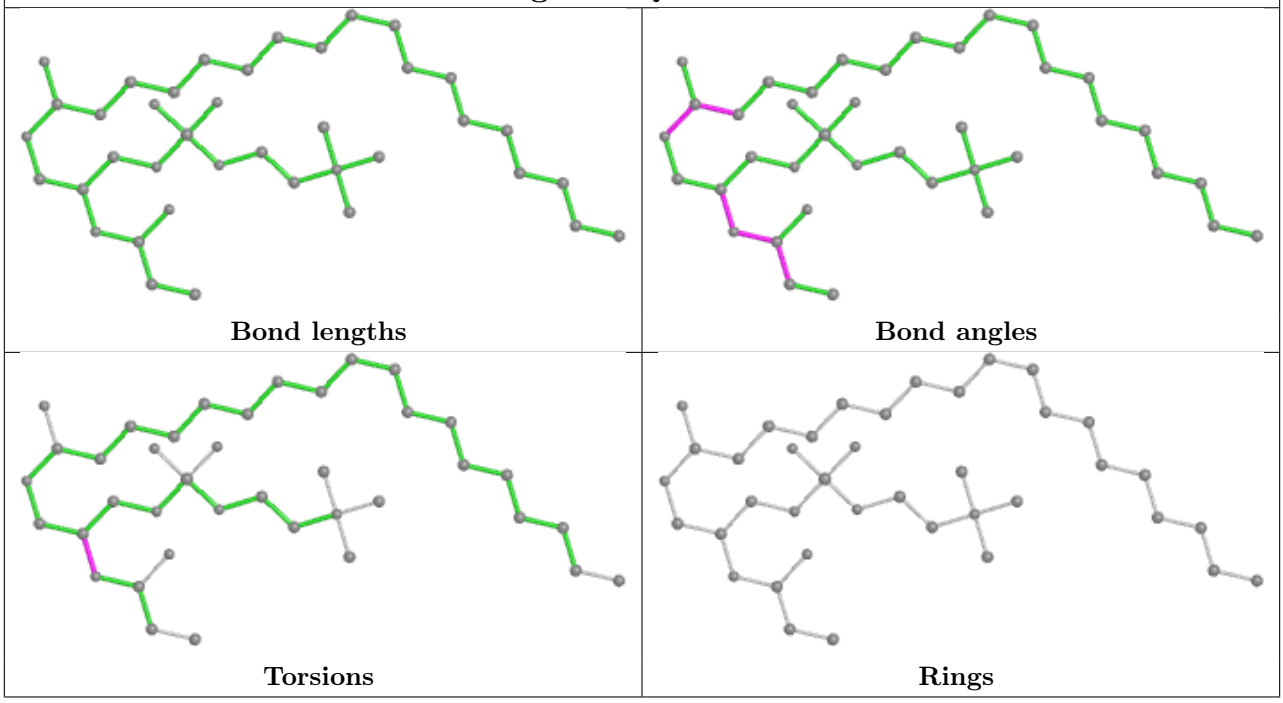


Rings

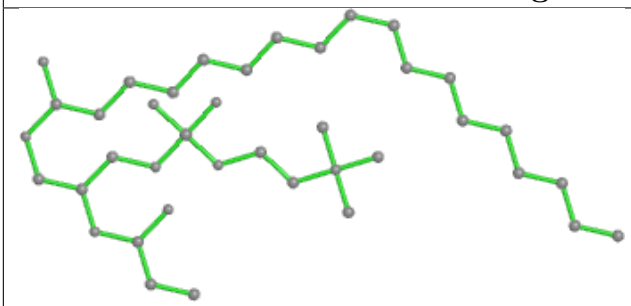
Ligand 7Q9 E 848



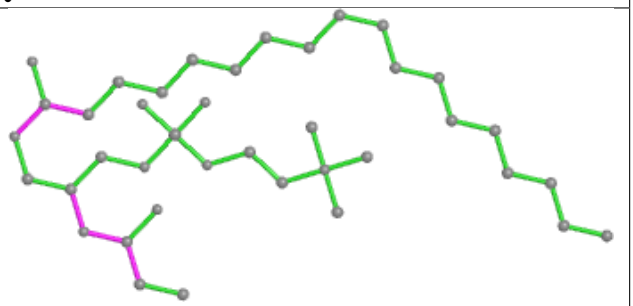
Ligand 7Q9 A 215



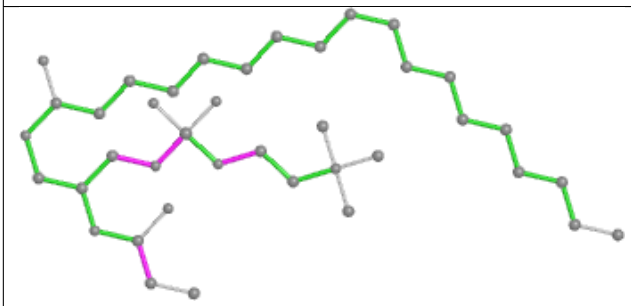
Ligand 7Q9 E 833



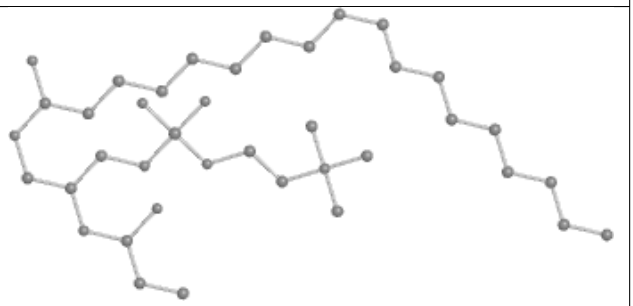
Bond lengths



Bond angles

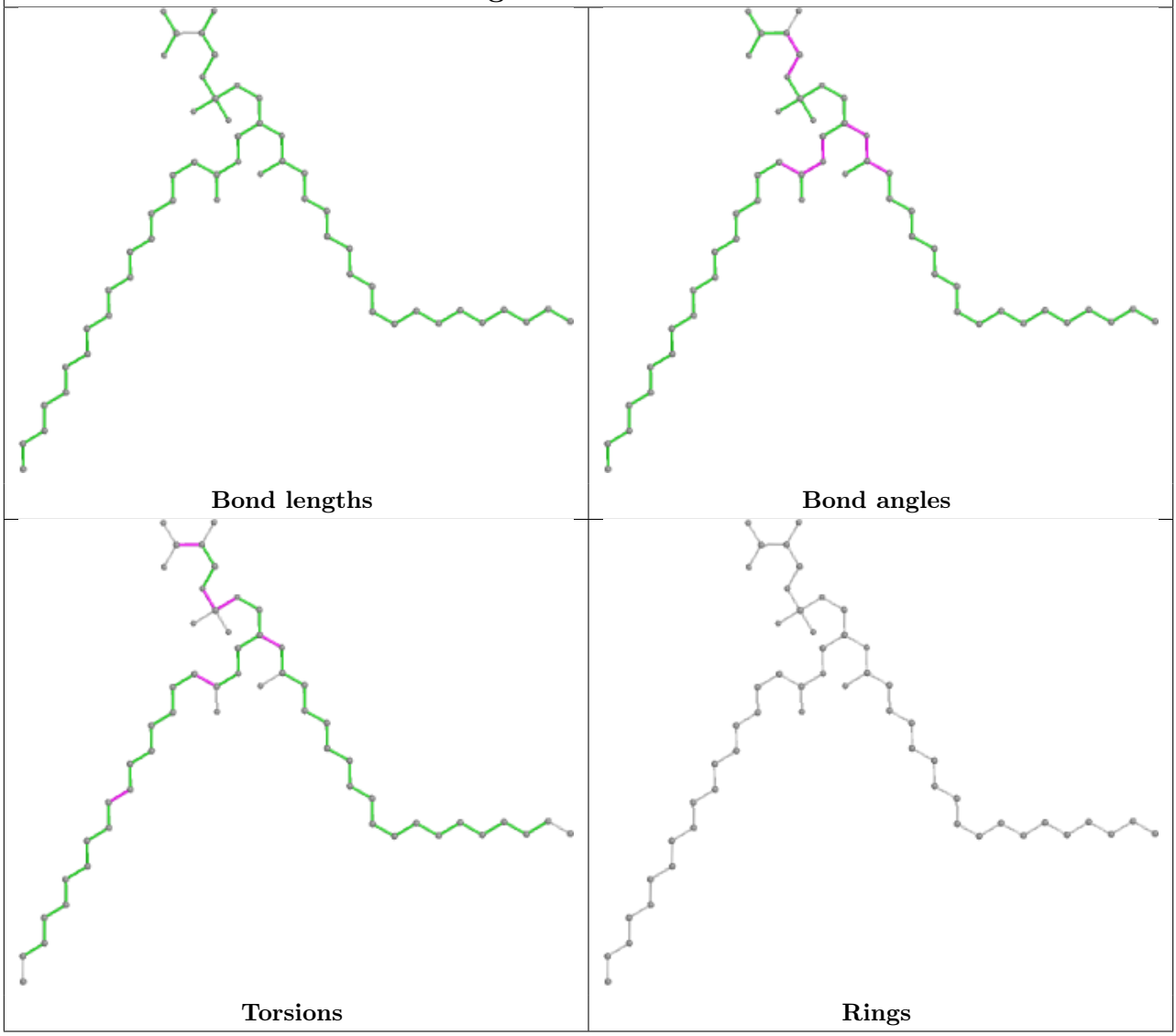


Torsions

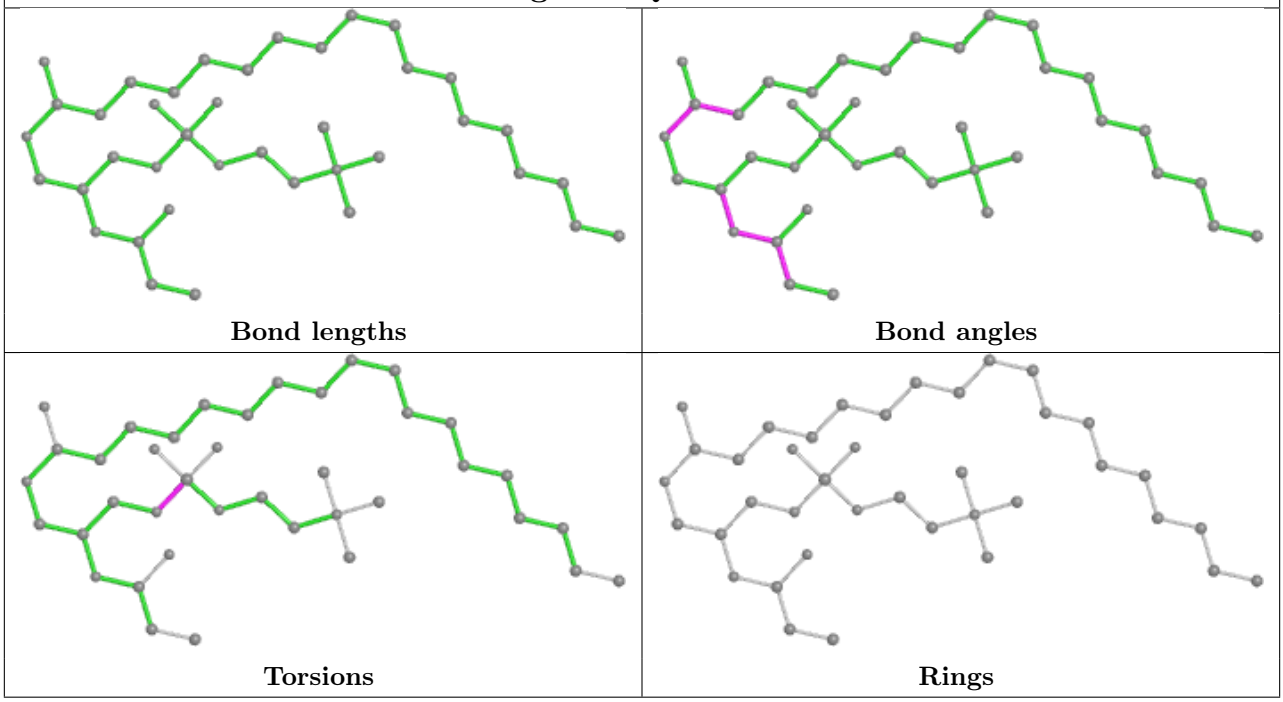


Rings

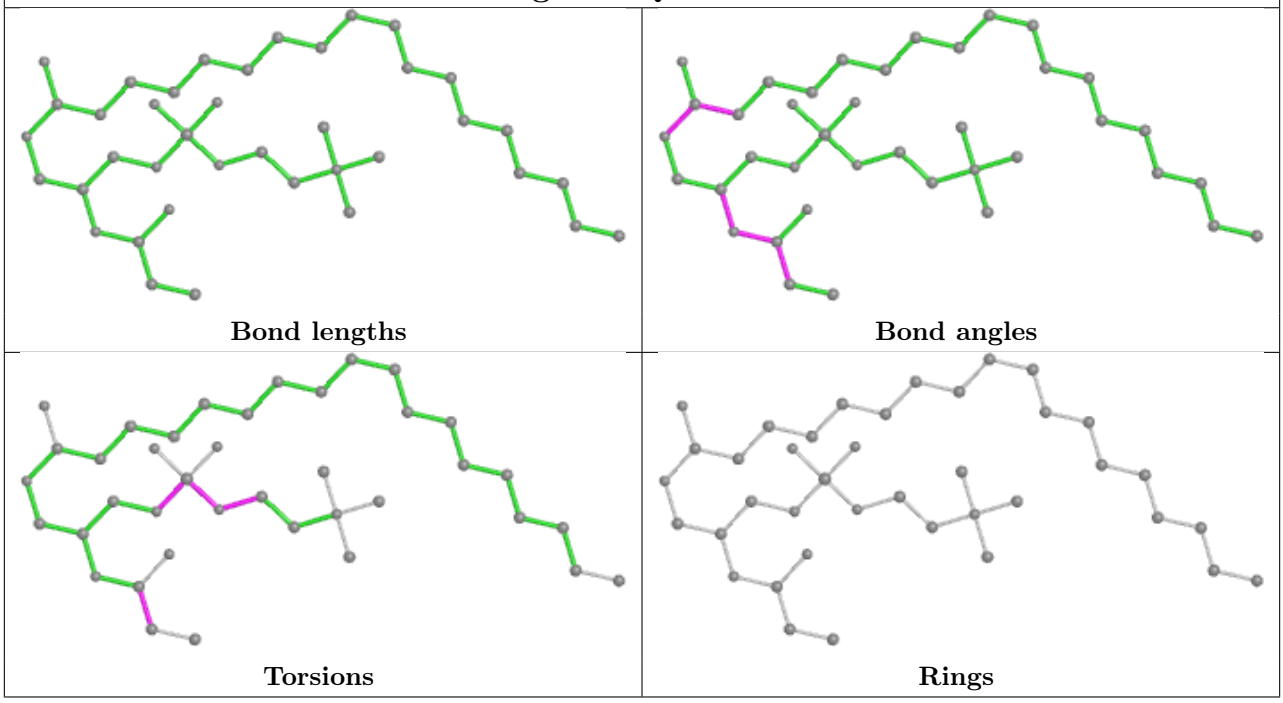
Ligand 17F D 511



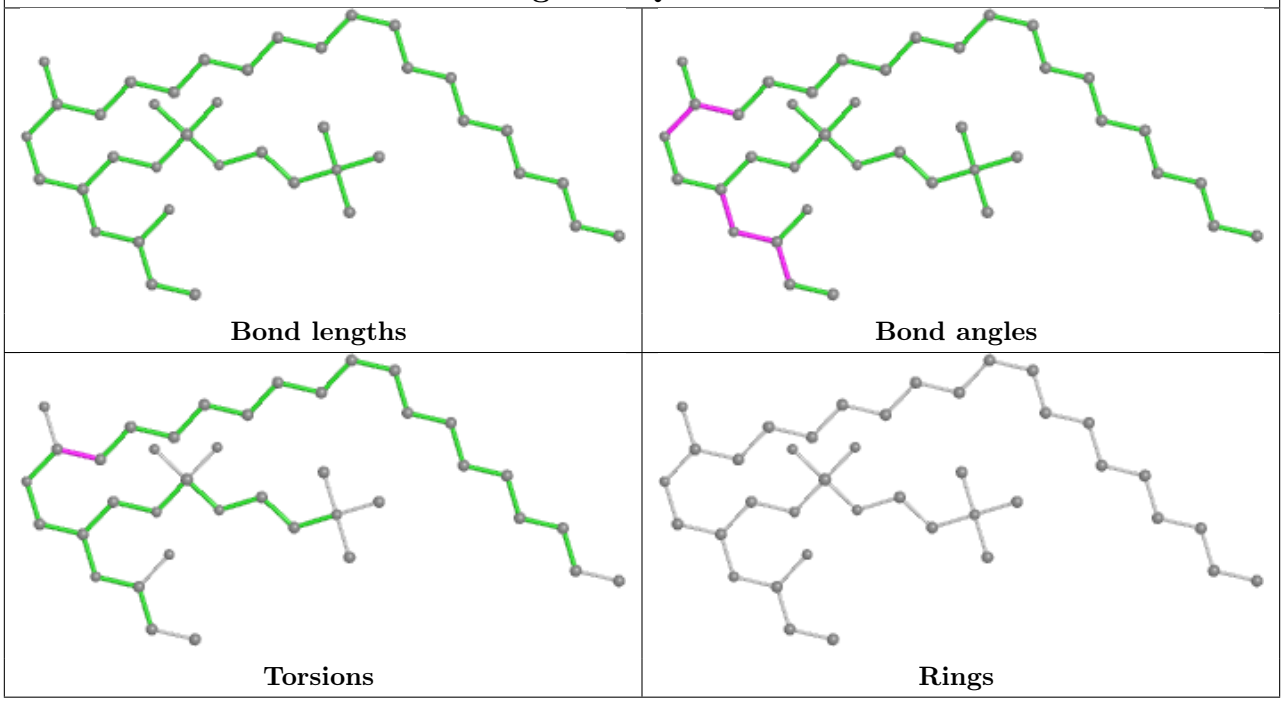
Ligand 7Q9 D 509



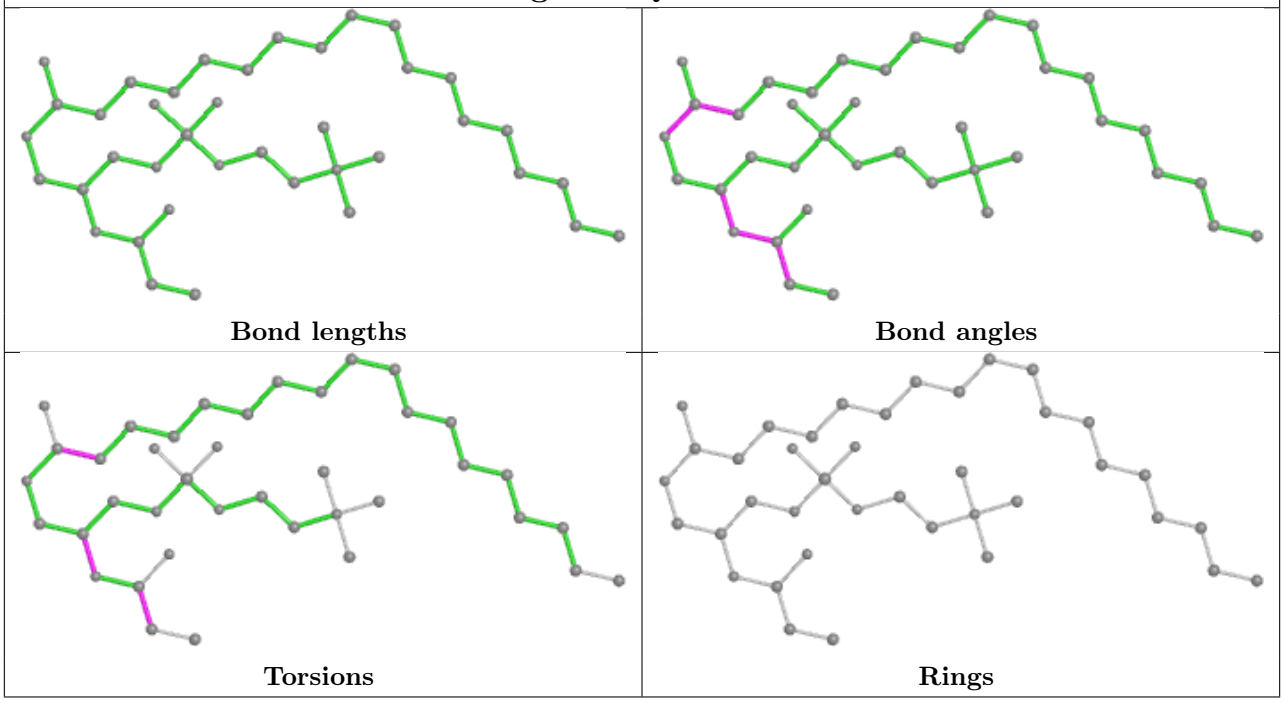
Ligand 7Q9 E 876



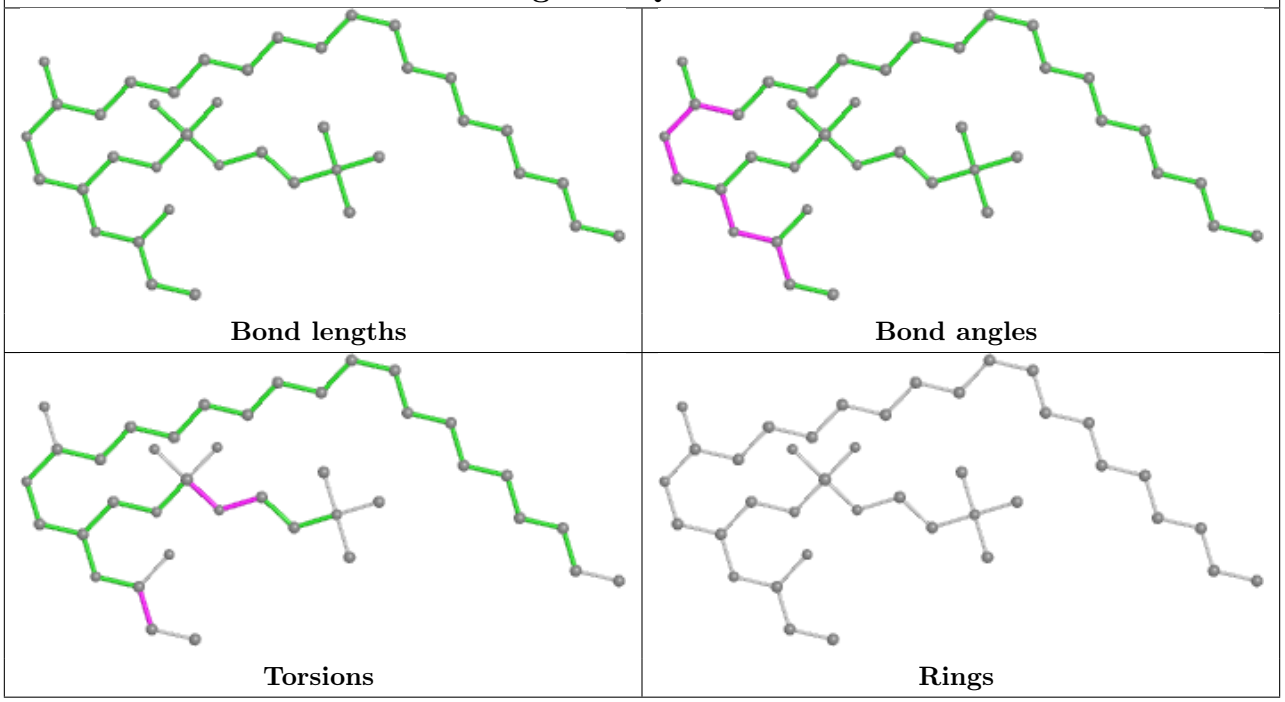
Ligand 7Q9 E 859



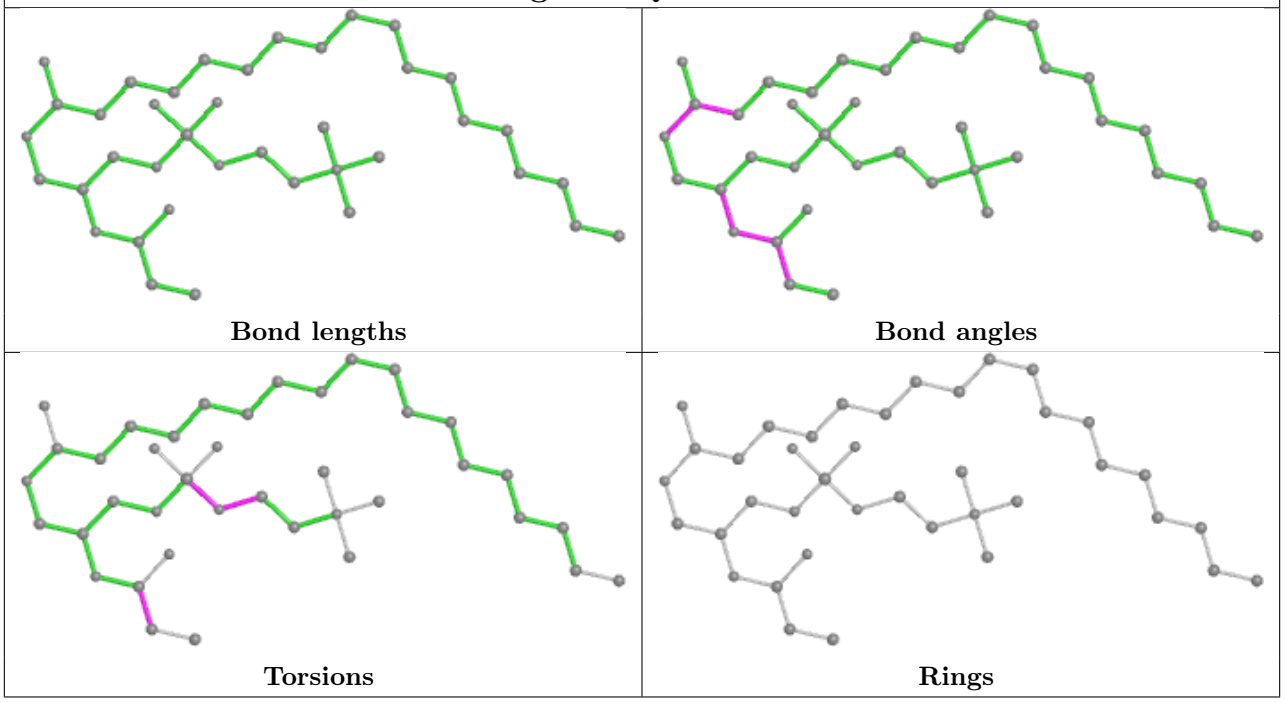
Ligand 7Q9 A 204



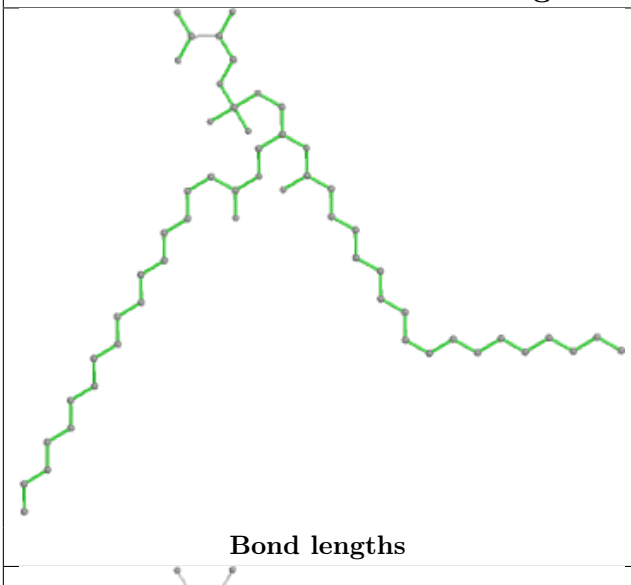
Ligand 7Q9 E 869



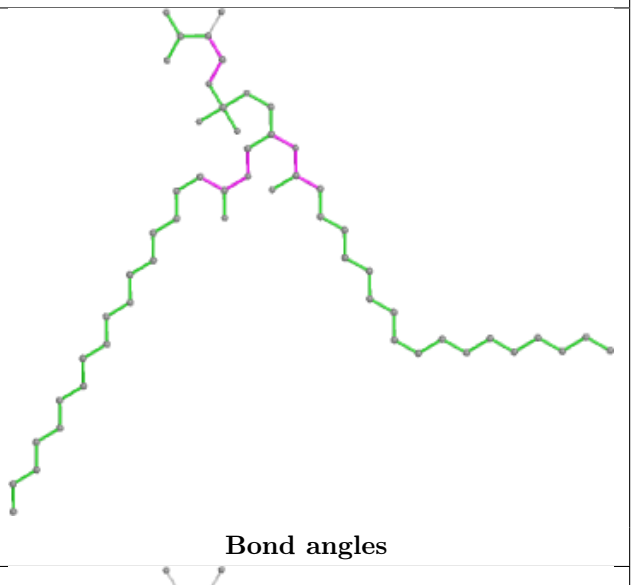
Ligand 7Q9 D 523



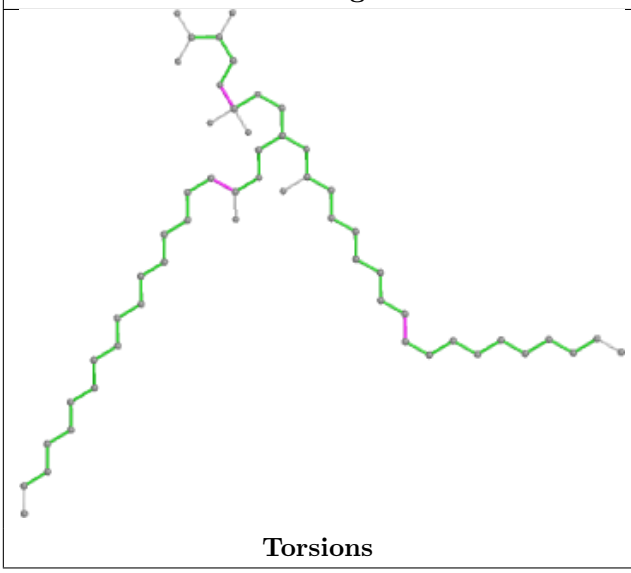
Ligand 17F E 809



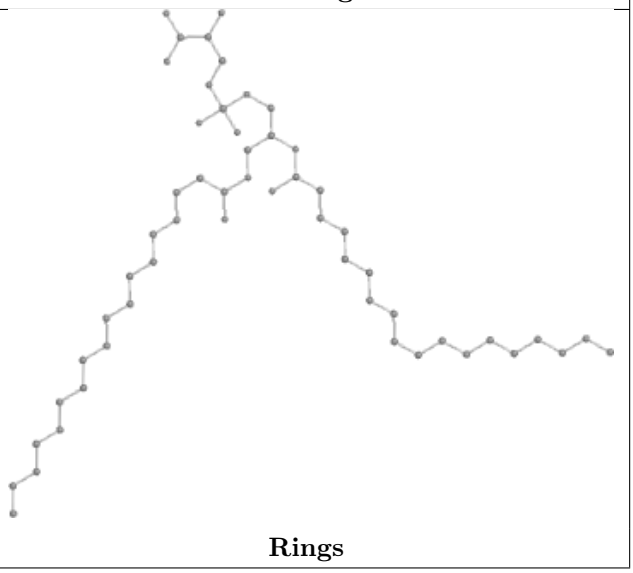
Bond lengths



Bond angles

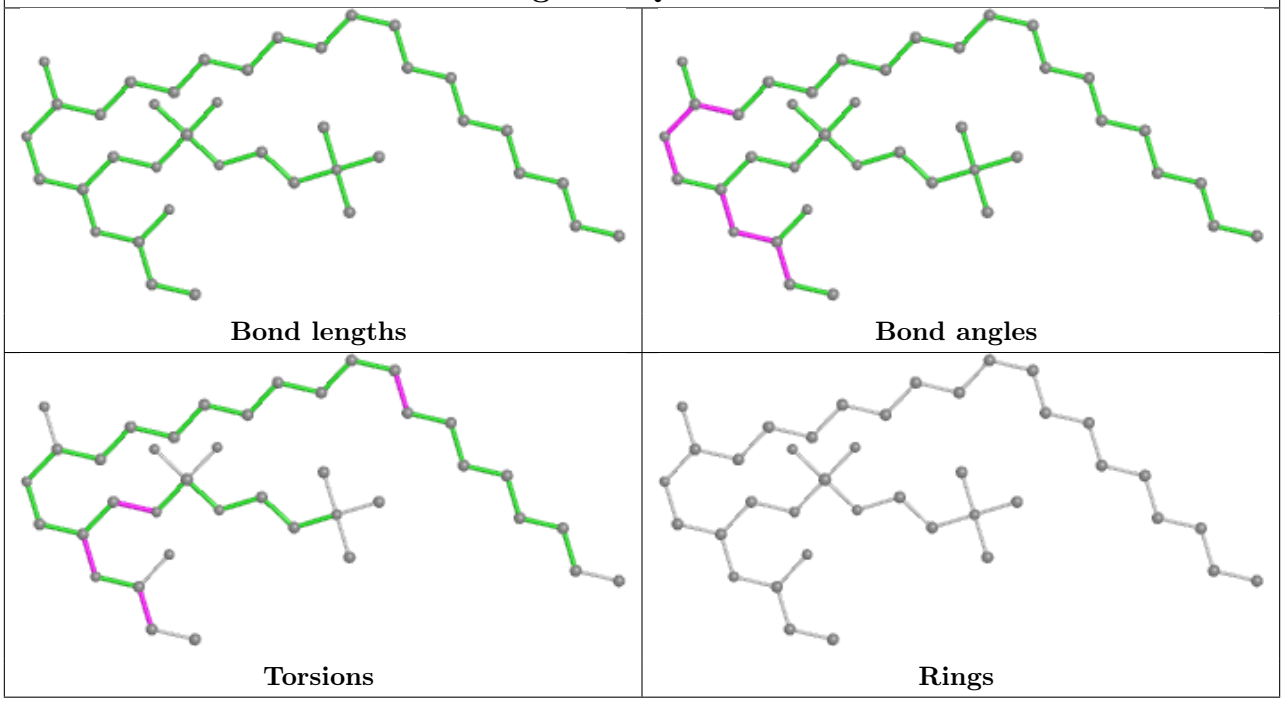


Torsions

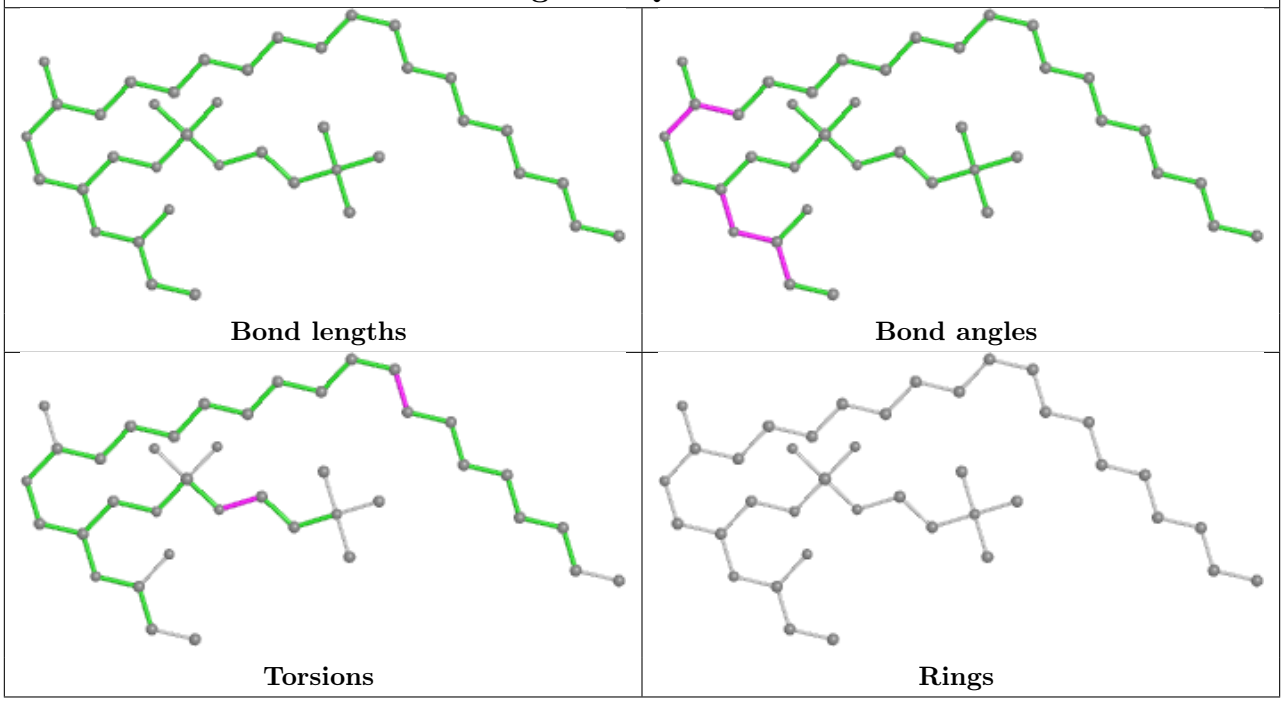


Rings

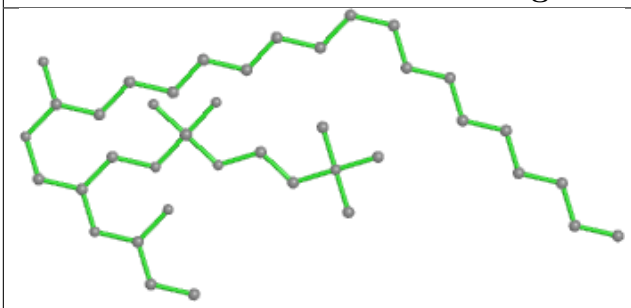
Ligand 7Q9 E 804



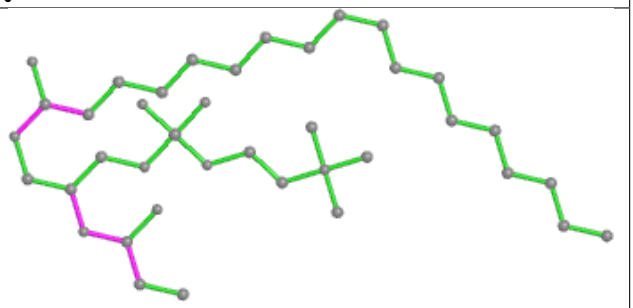
Ligand 7Q9 B 220



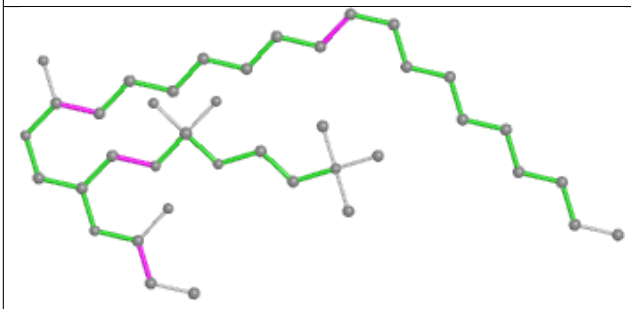
Ligand 7Q9 E 849



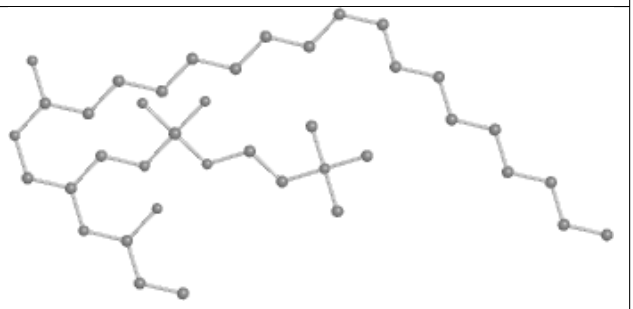
Bond lengths



Bond angles

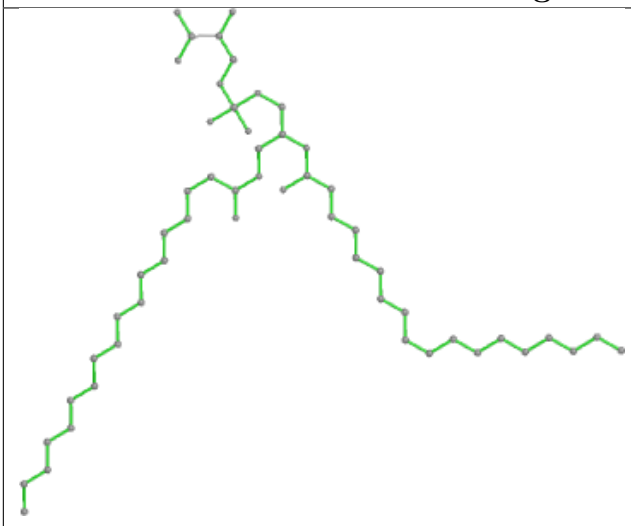


Torsions

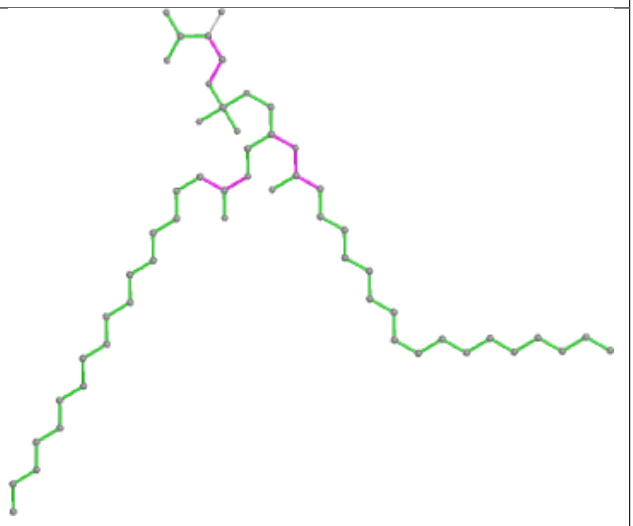


Rings

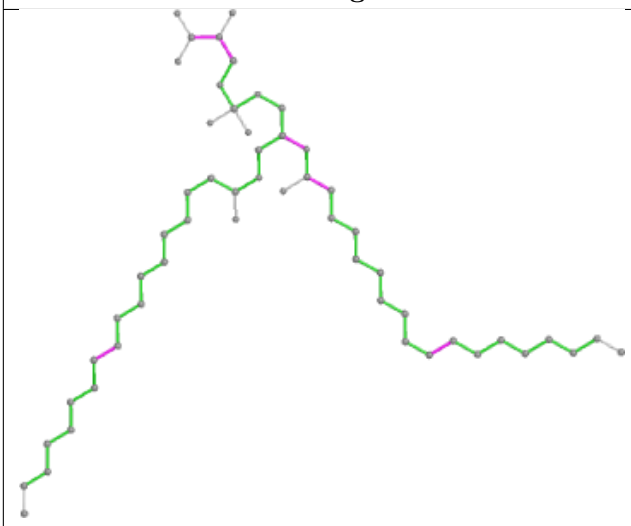
Ligand 17F E 828



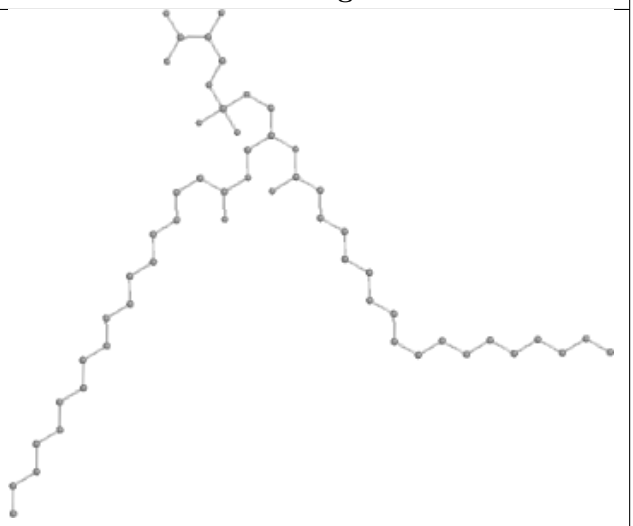
Bond lengths



Bond angles

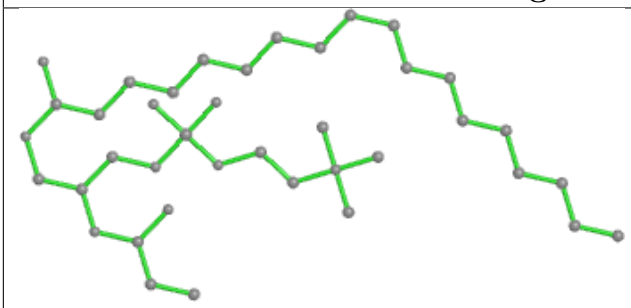


Torsions

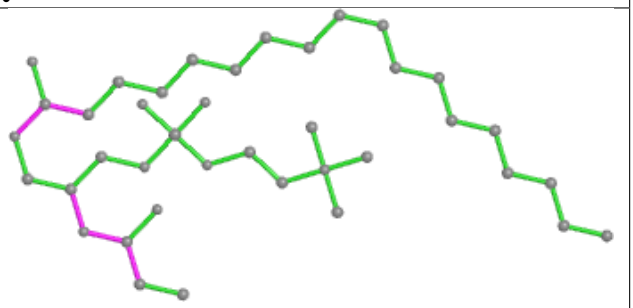


Rings

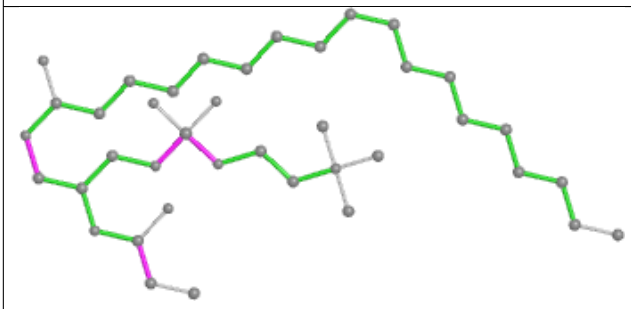
Ligand 7Q9 A 209



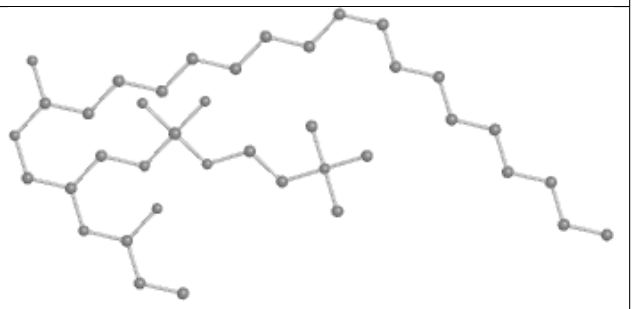
Bond lengths



Bond angles

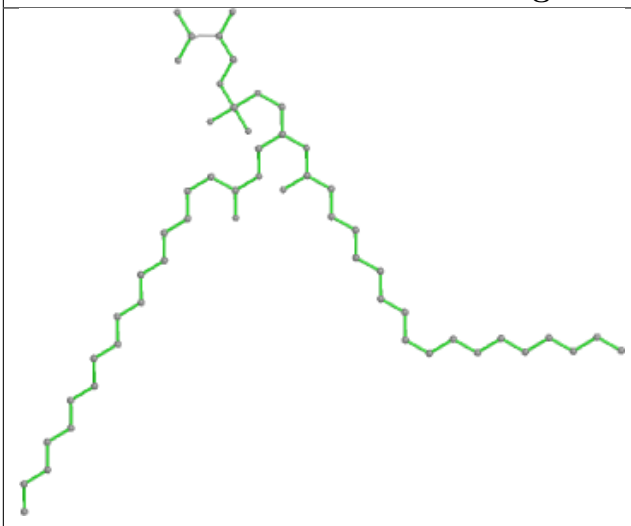


Torsions

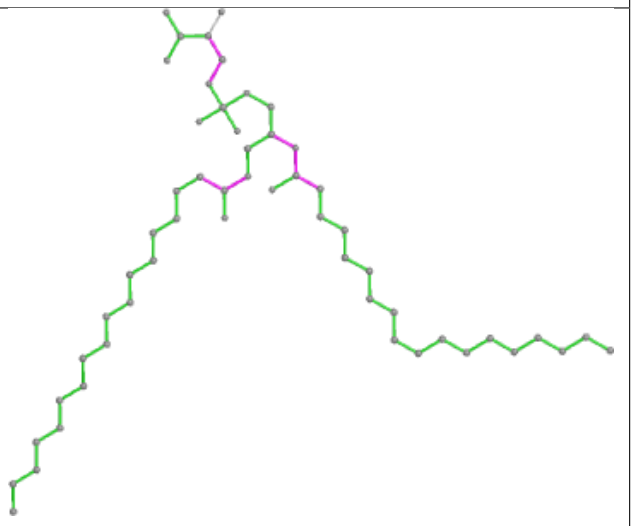


Rings

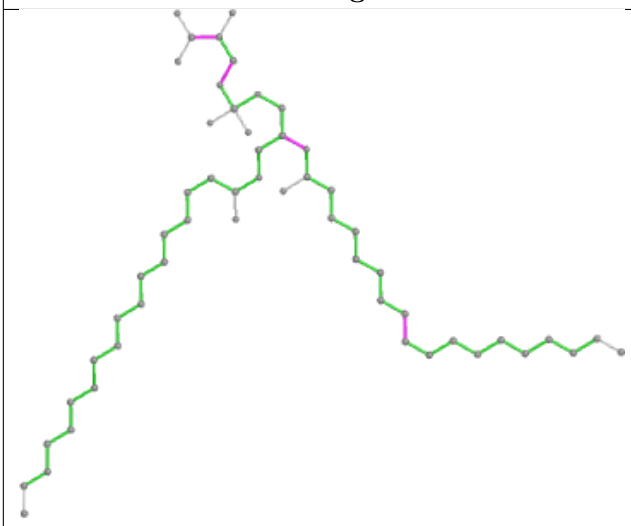
Ligand 17F B 214



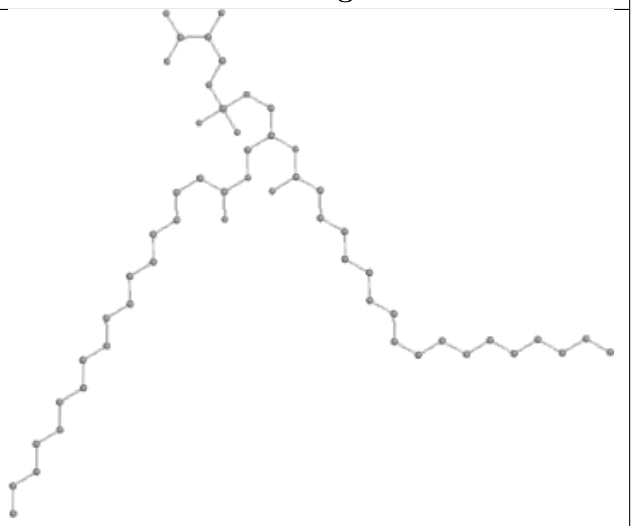
Bond lengths



Bond angles

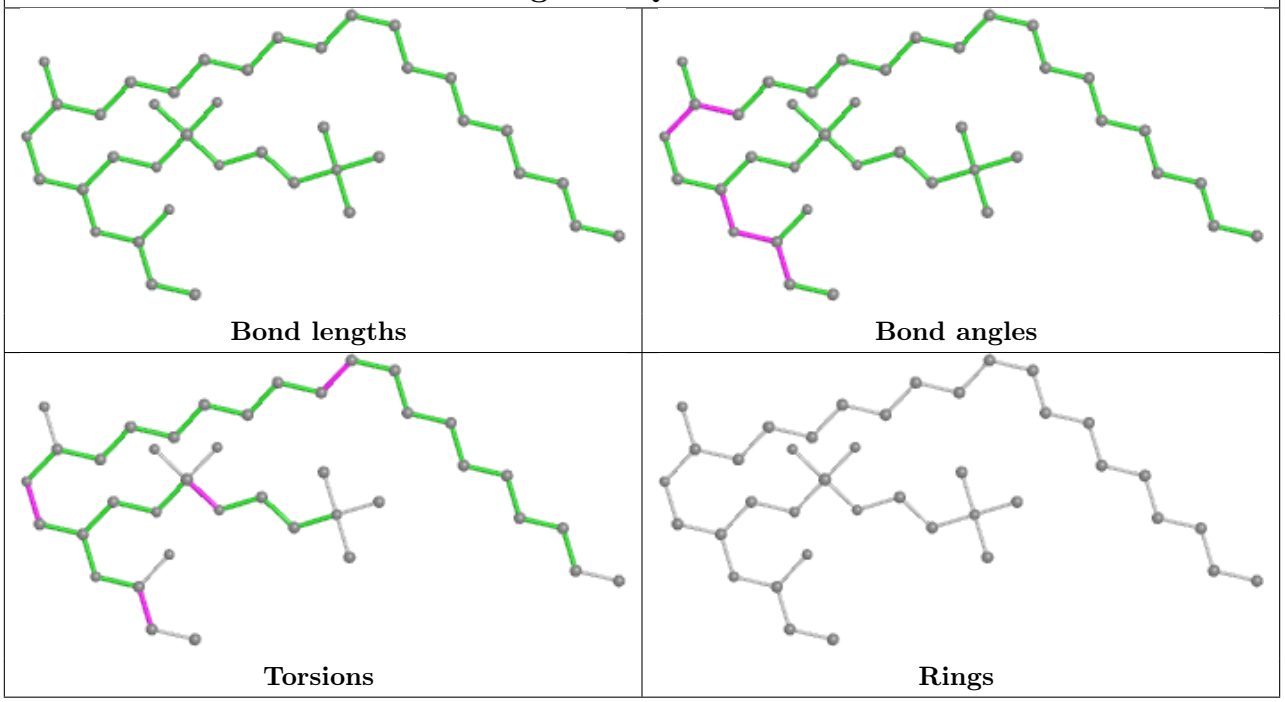


Torsions

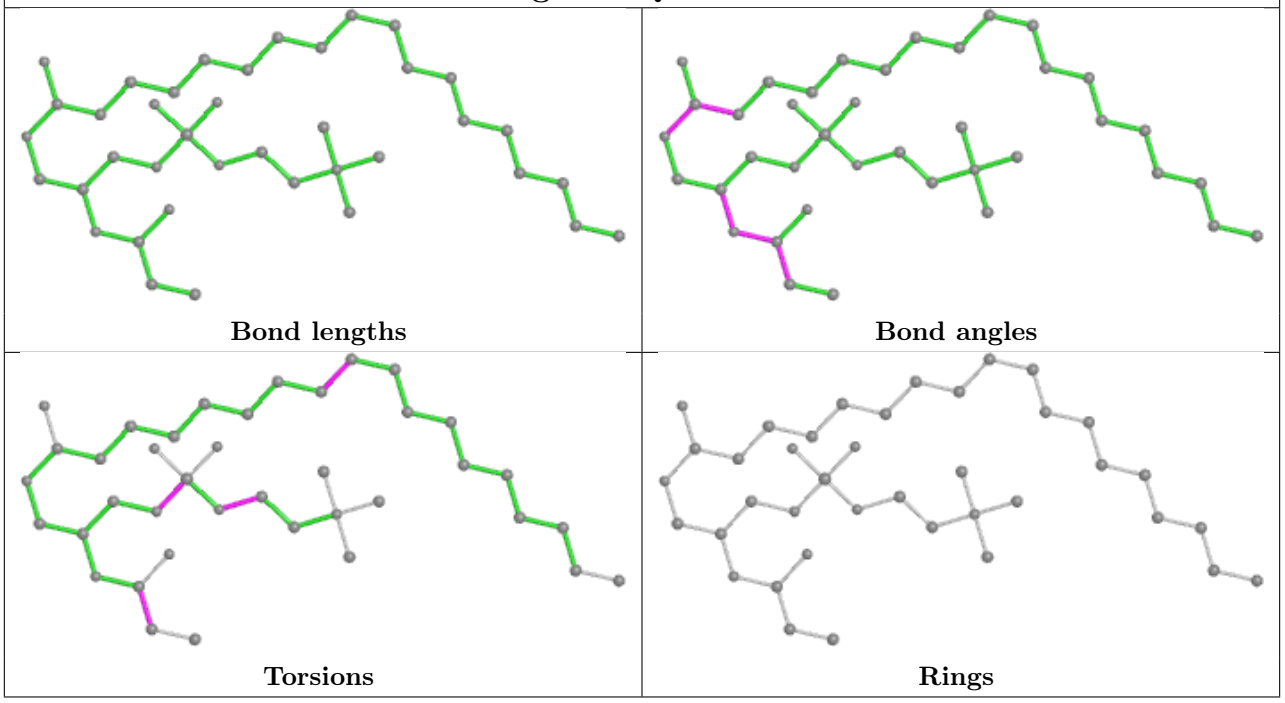


Rings

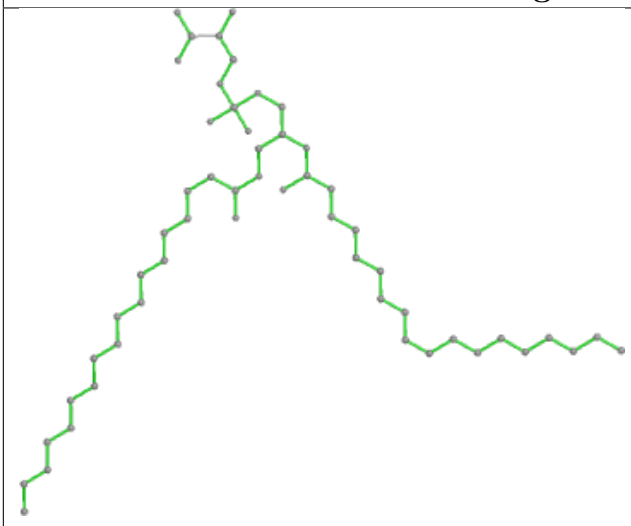
Ligand 7Q9 D 544



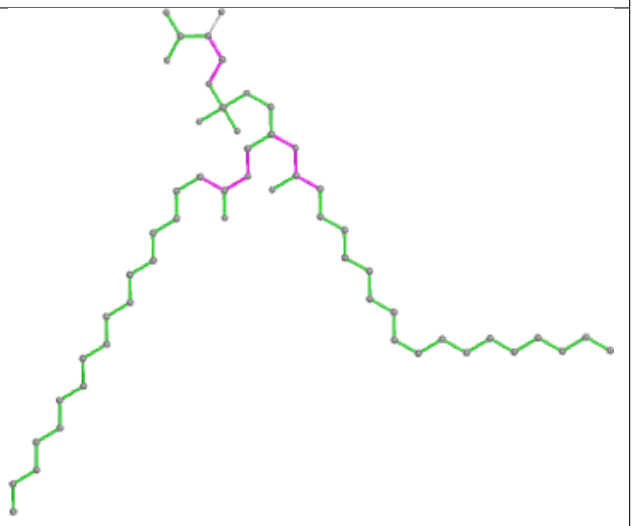
Ligand 7Q9 E 834



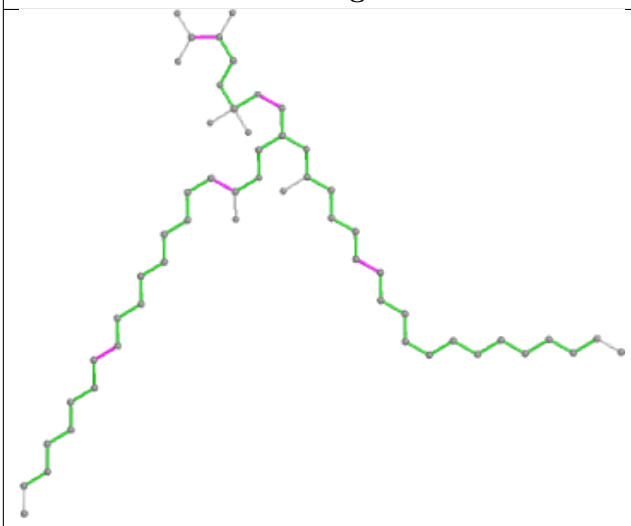
Ligand 17F E 874



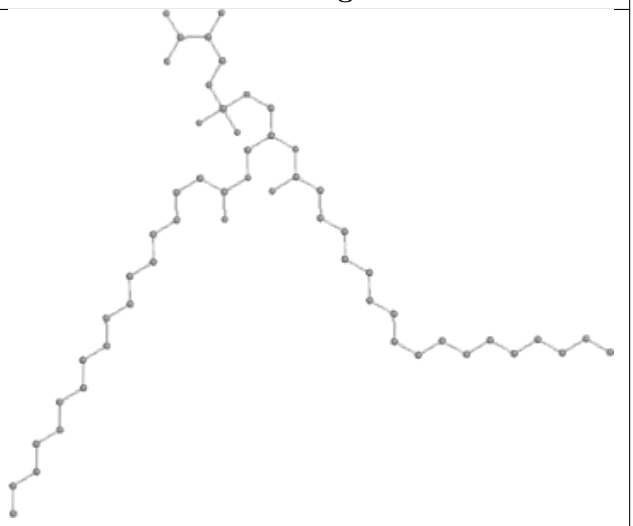
Bond lengths



Bond angles

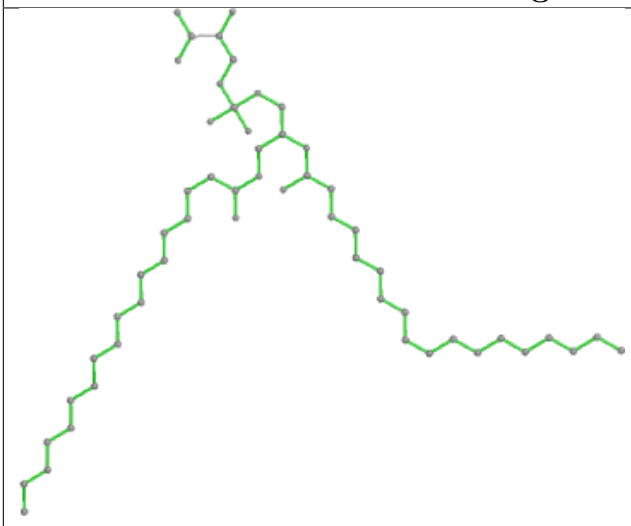


Torsions

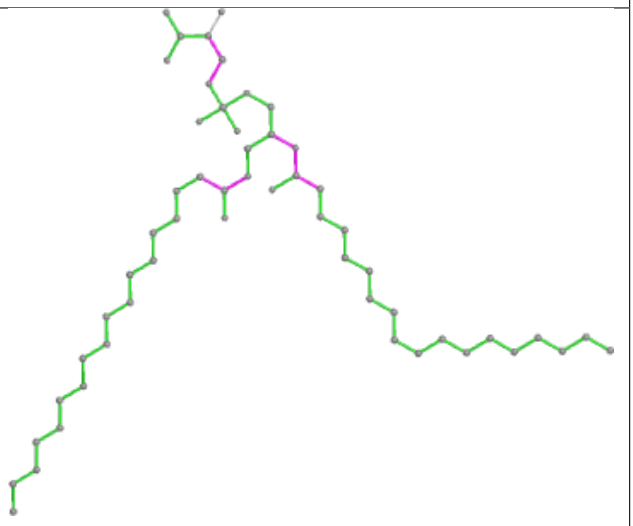


Rings

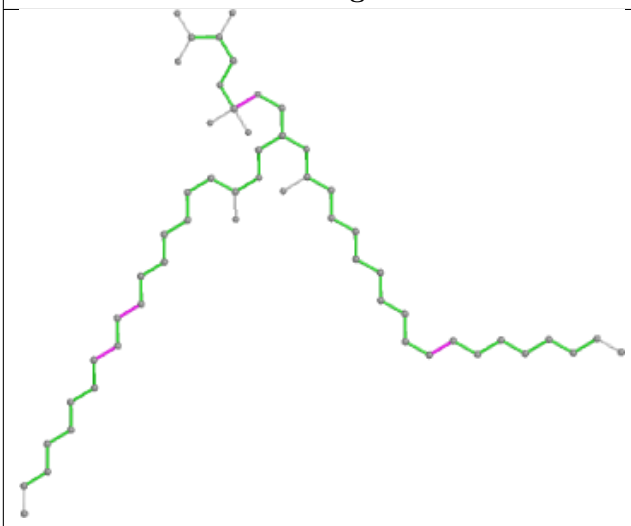
Ligand 17F A 214



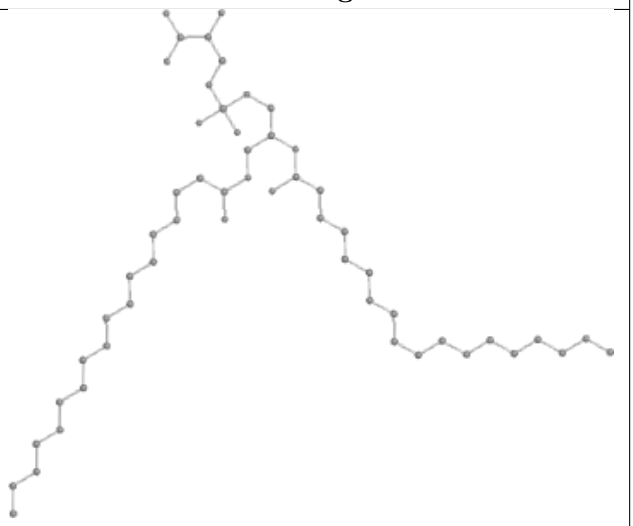
Bond lengths



Bond angles

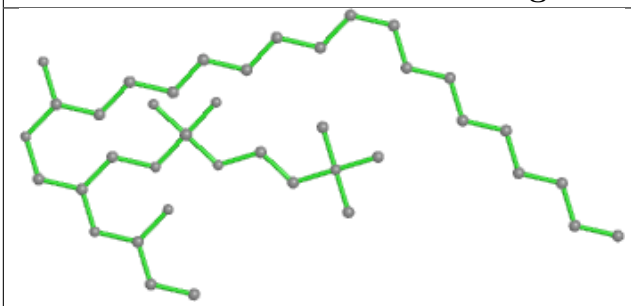


Torsions

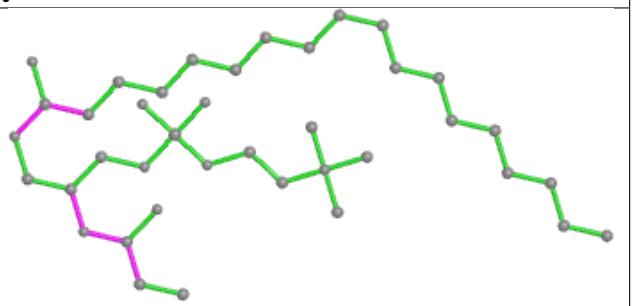


Rings

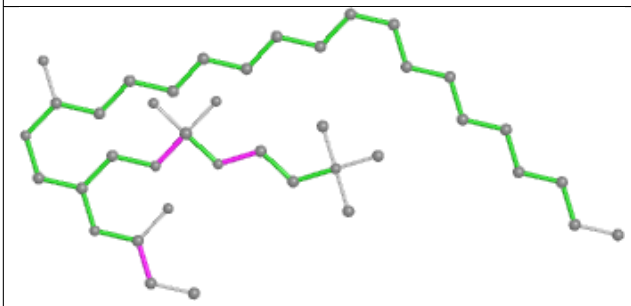
Ligand 7Q9 D 532



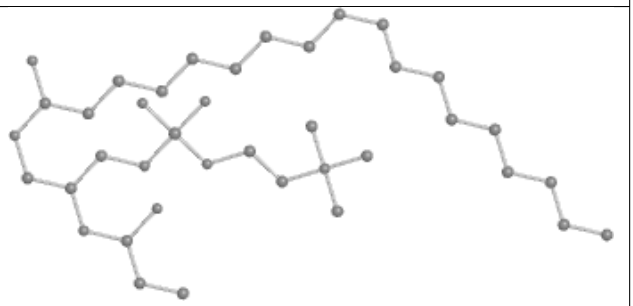
Bond lengths



Bond angles

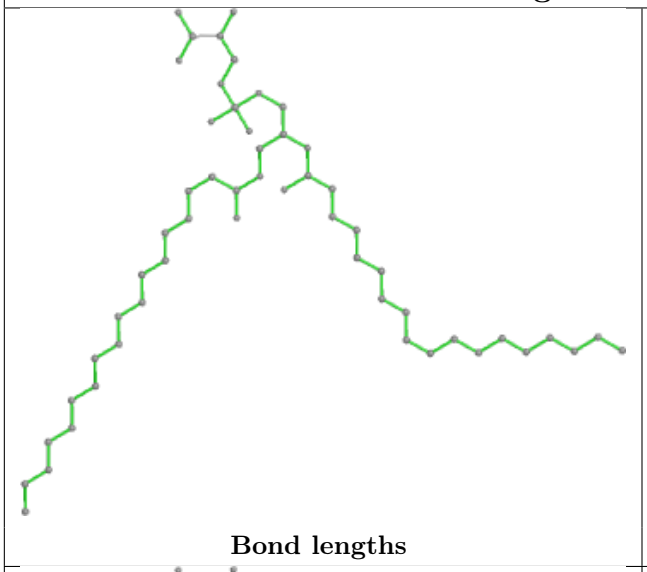


Torsions

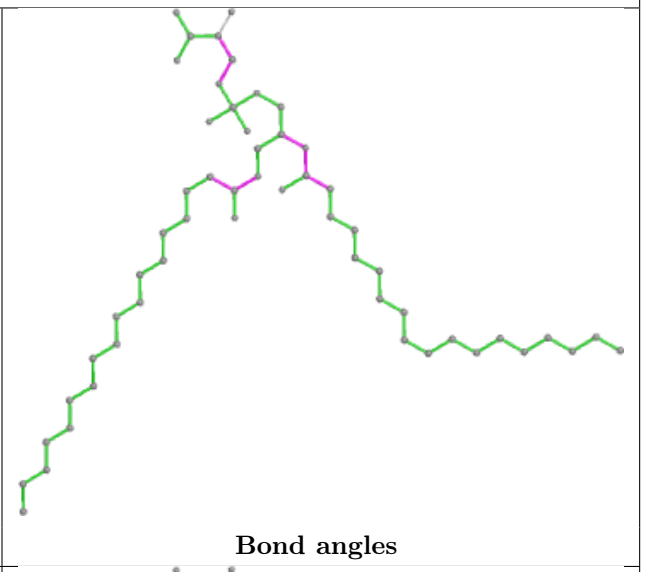


Rings

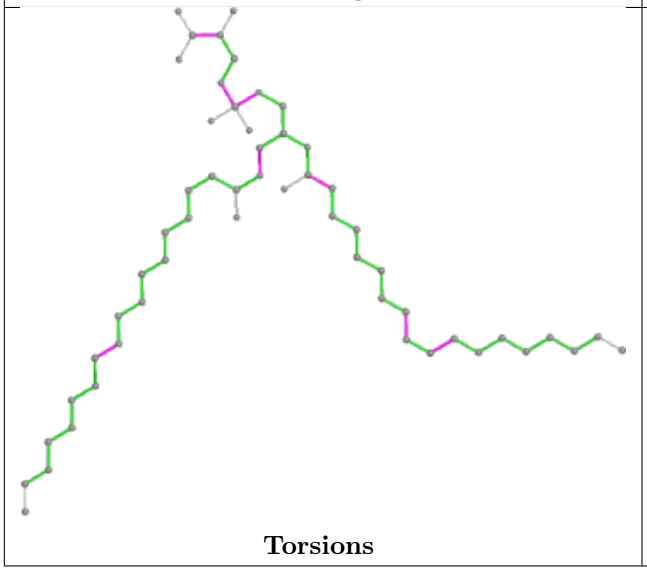
Ligand 17F B 215



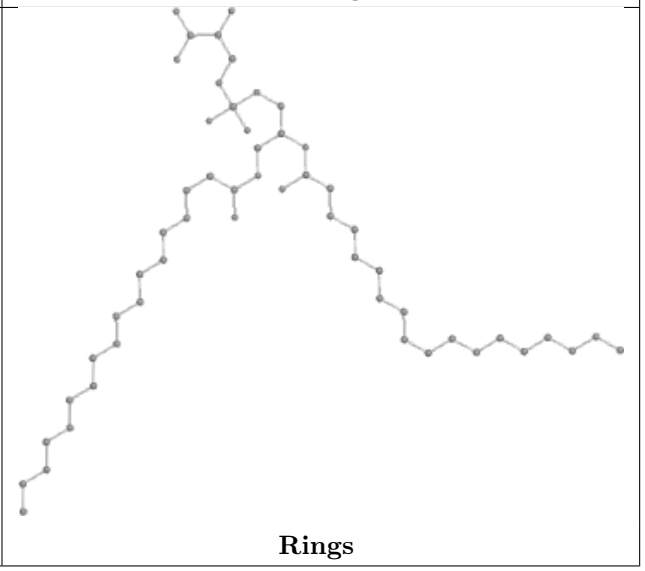
Bond lengths



Bond angles

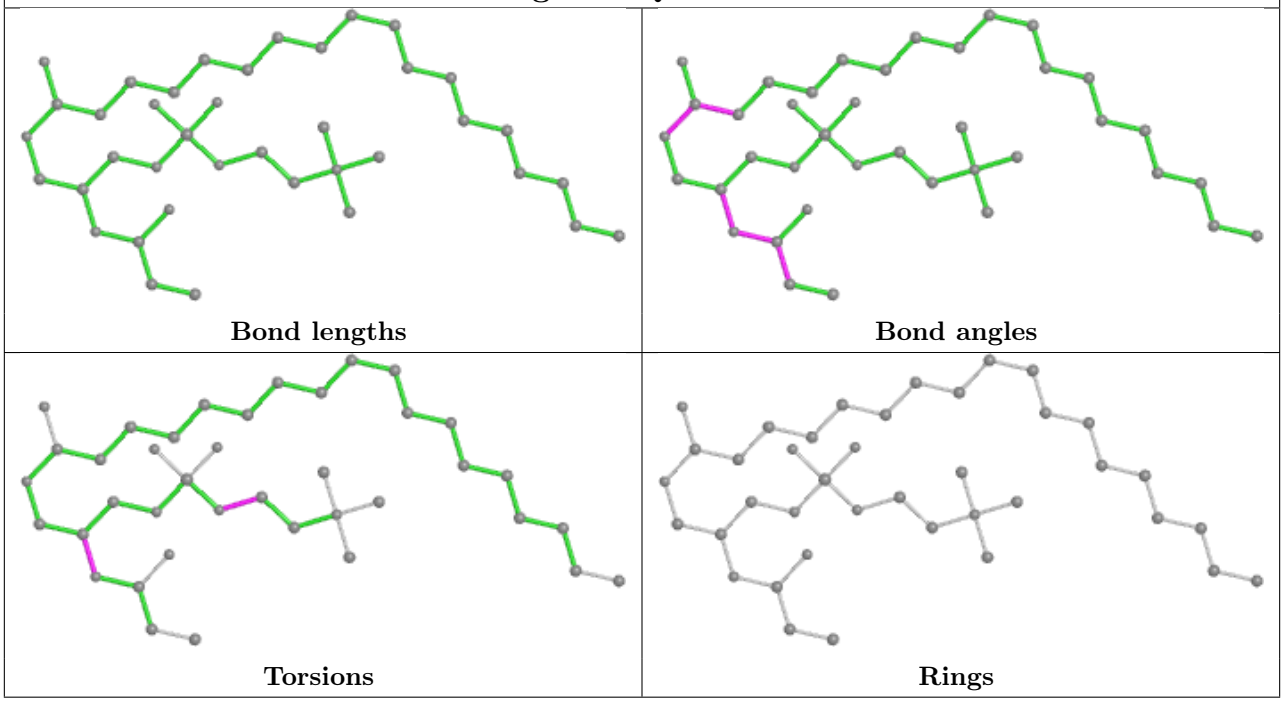


Torsions

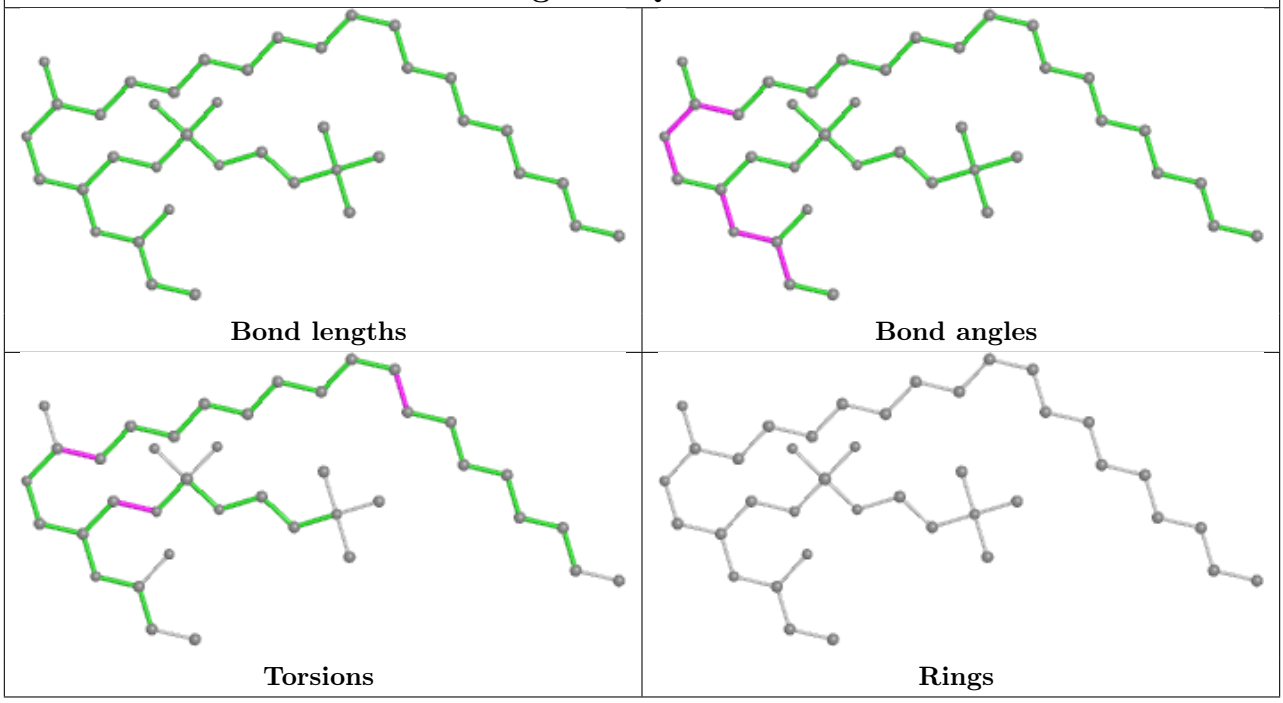


Rings

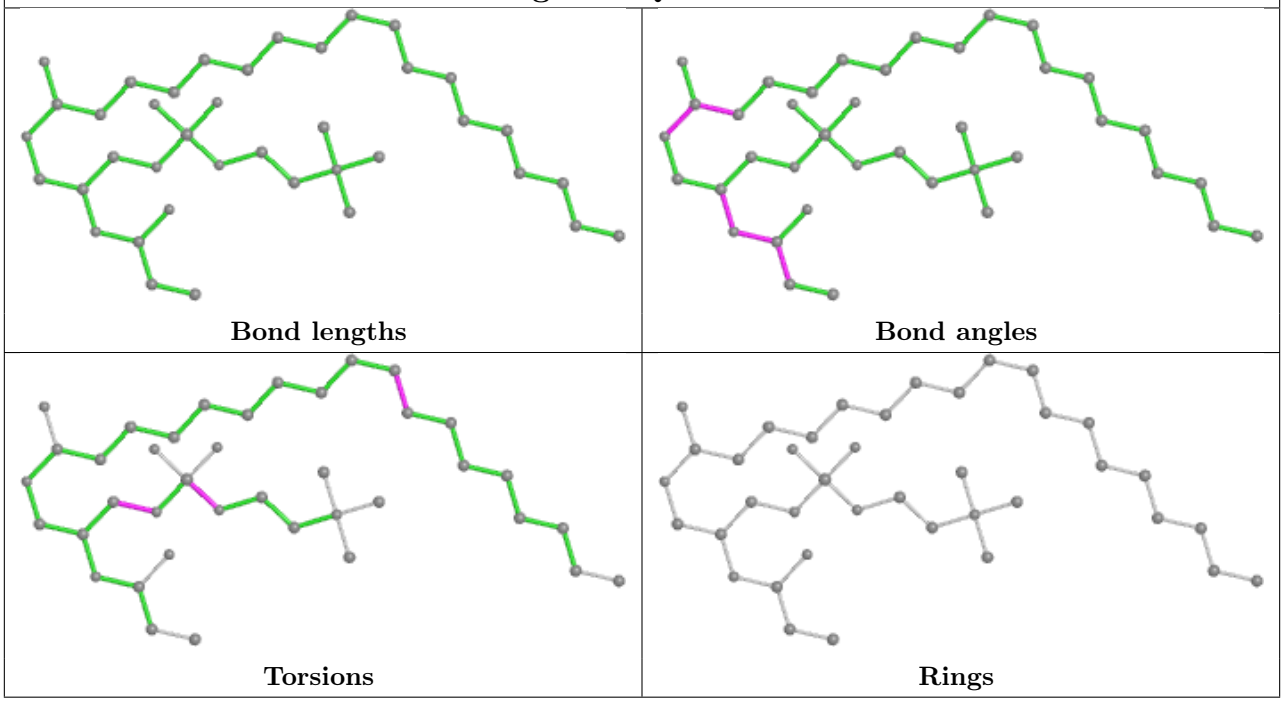
Ligand 7Q9 E 862



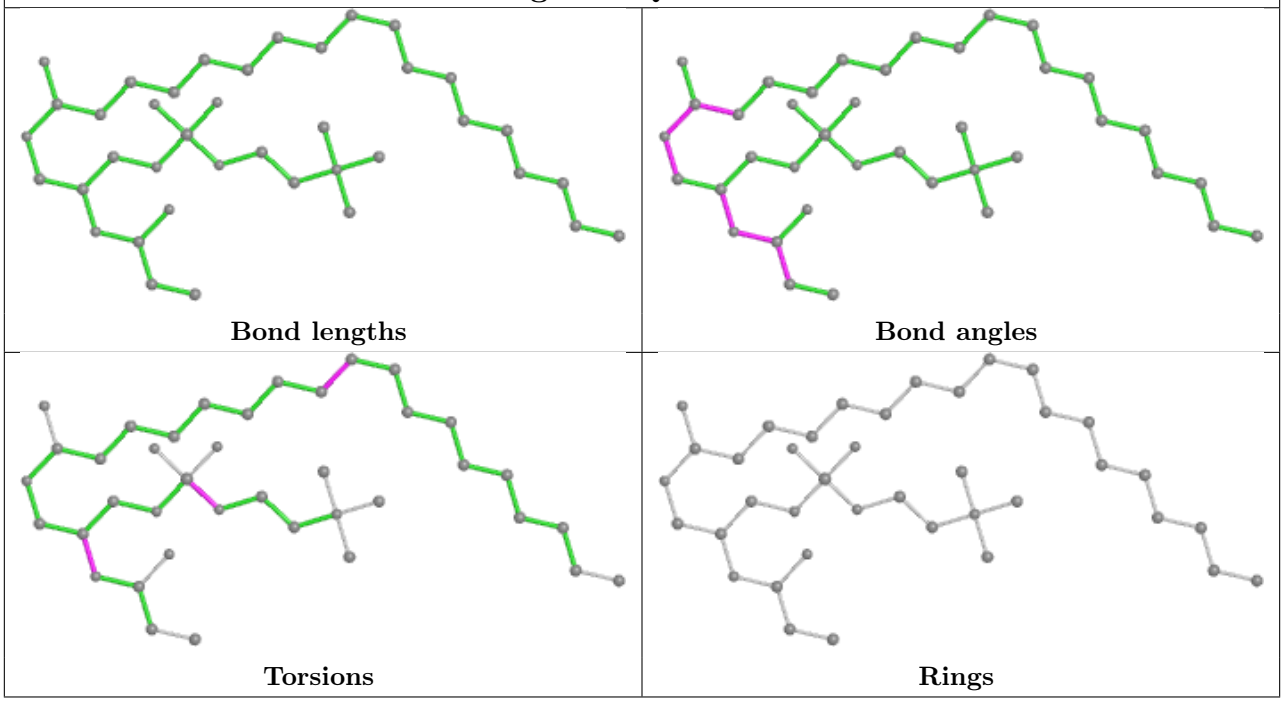
Ligand 7Q9 E 812



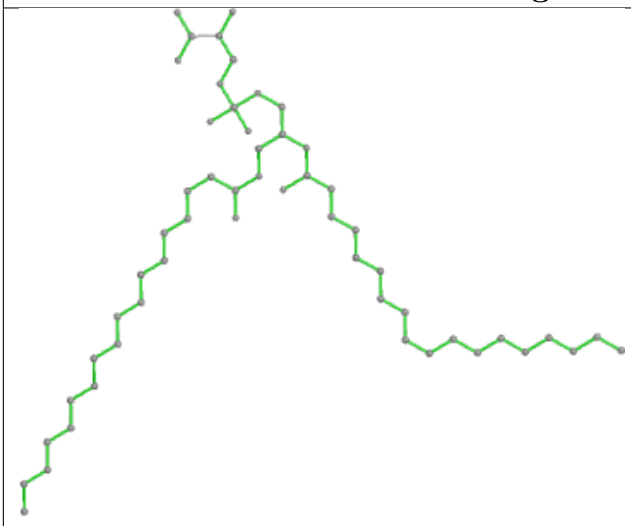
Ligand 7Q9 E 866



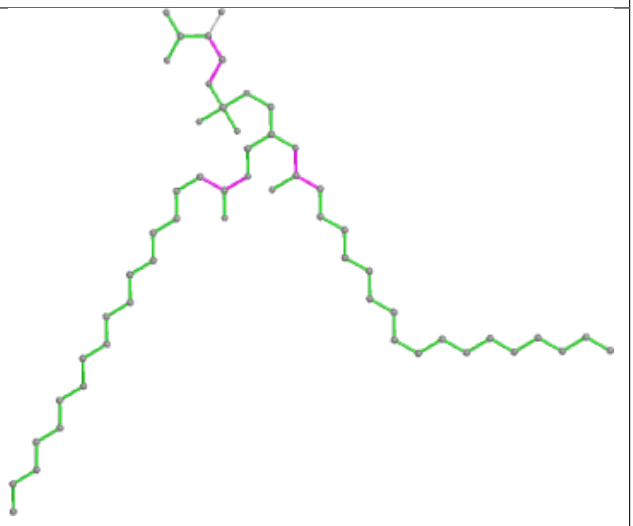
Ligand 7Q9 D 522



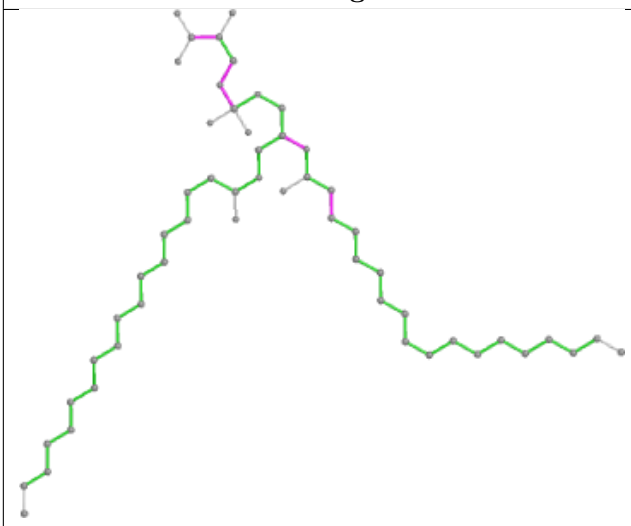
Ligand 17F D 510



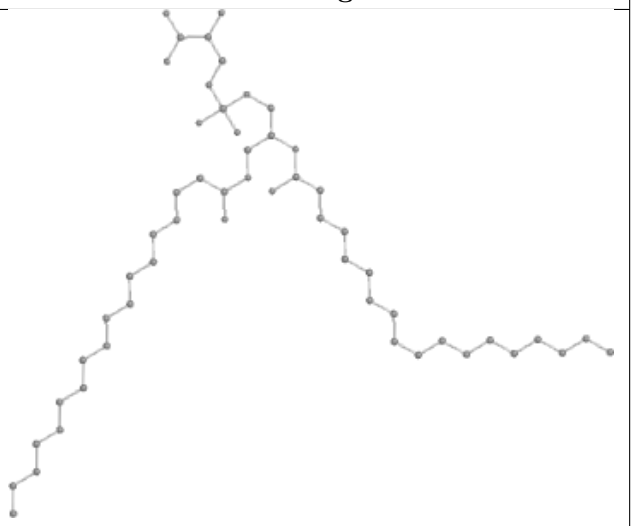
Bond lengths



Bond angles

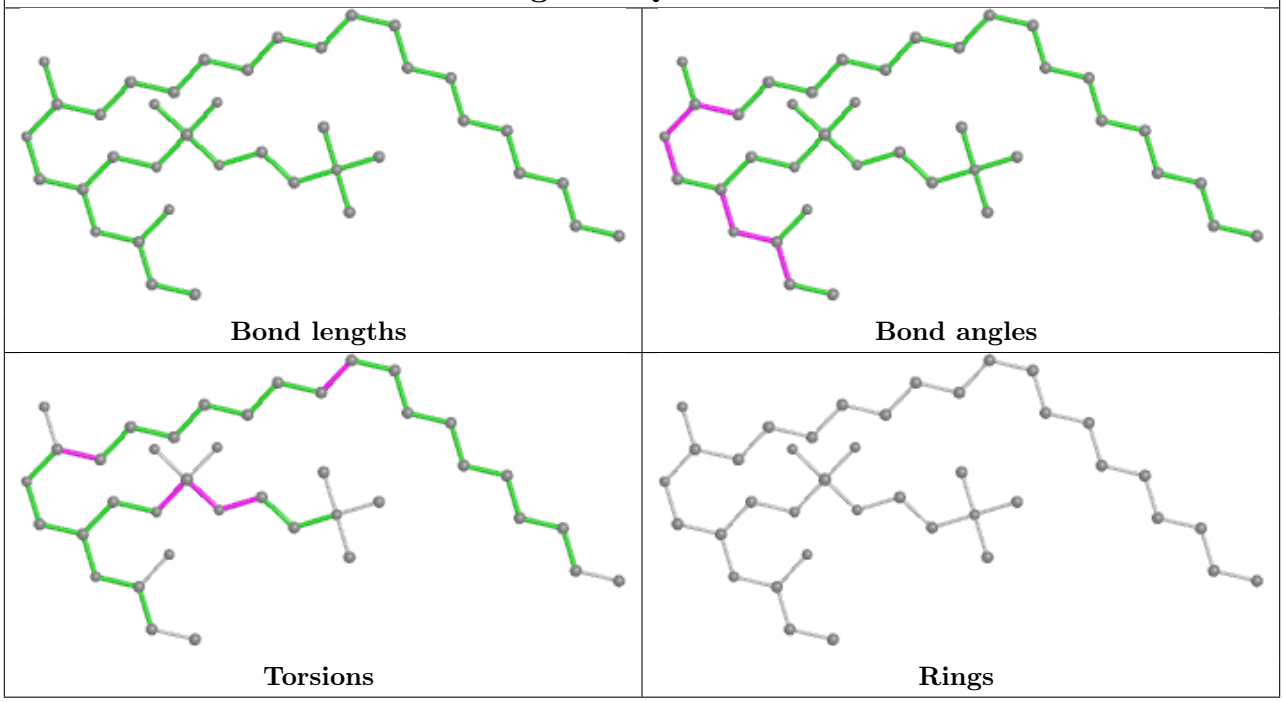


Torsions

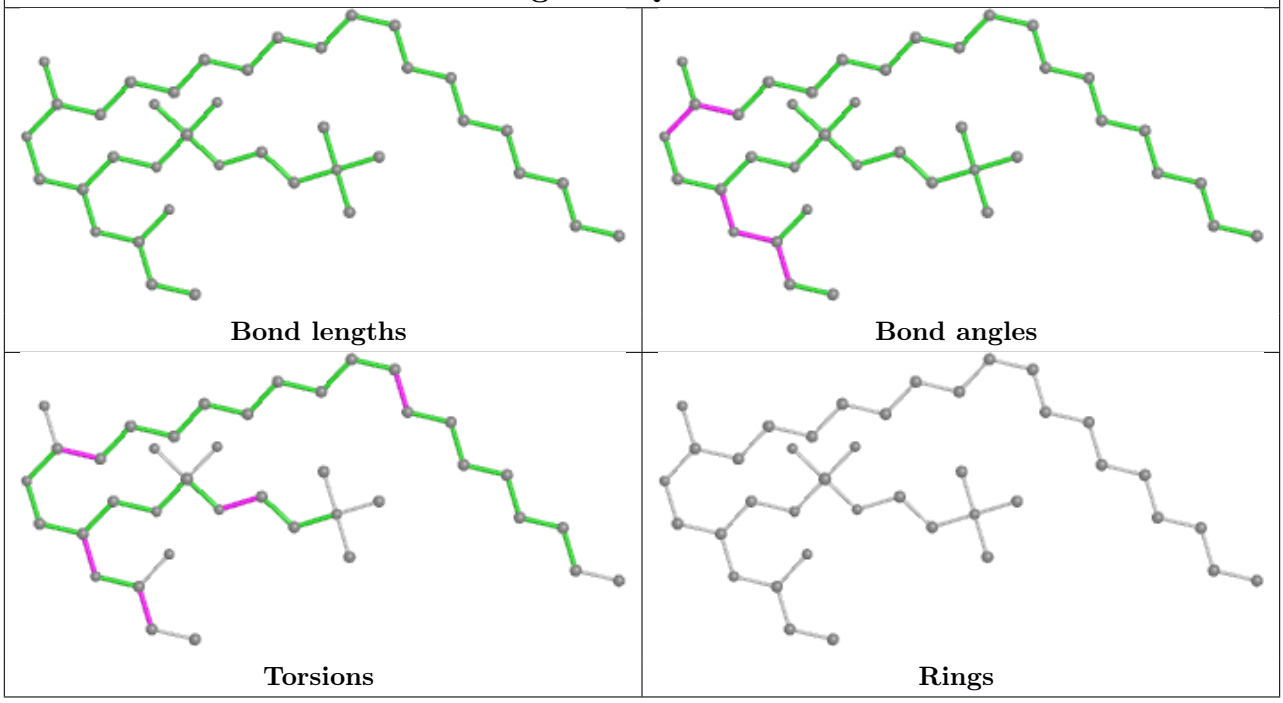


Rings

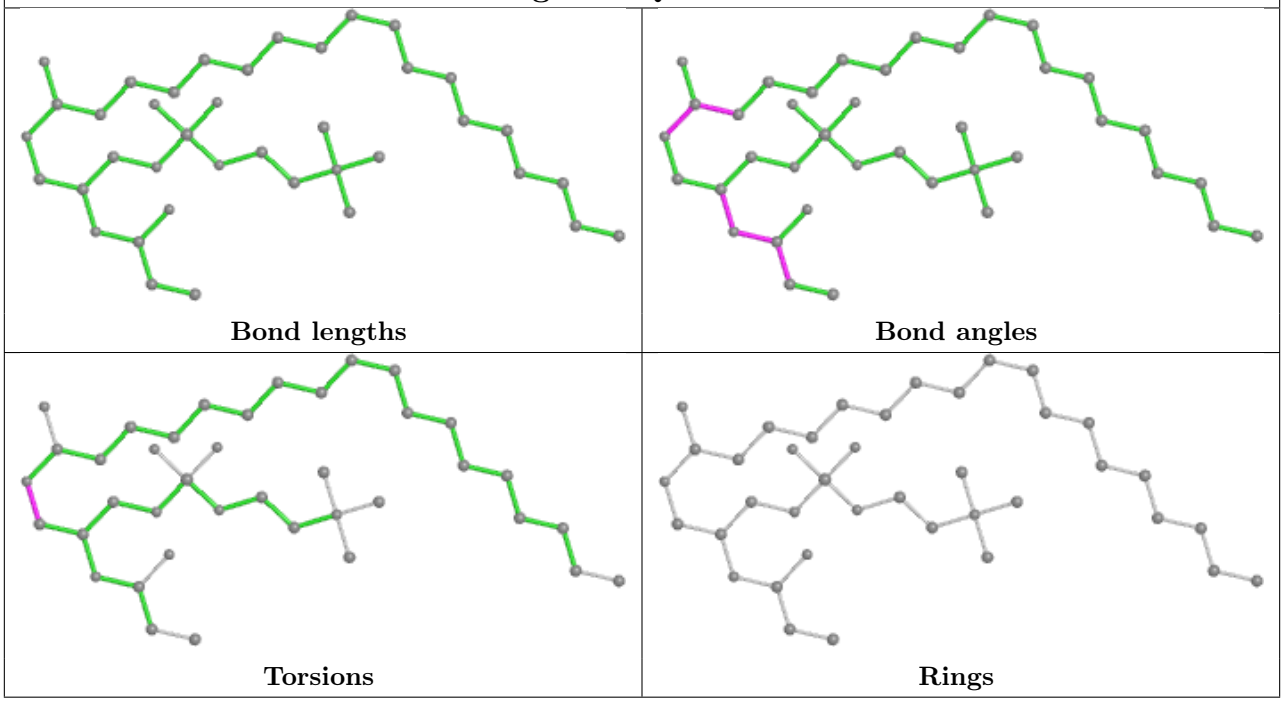
Ligand 7Q9 D 545



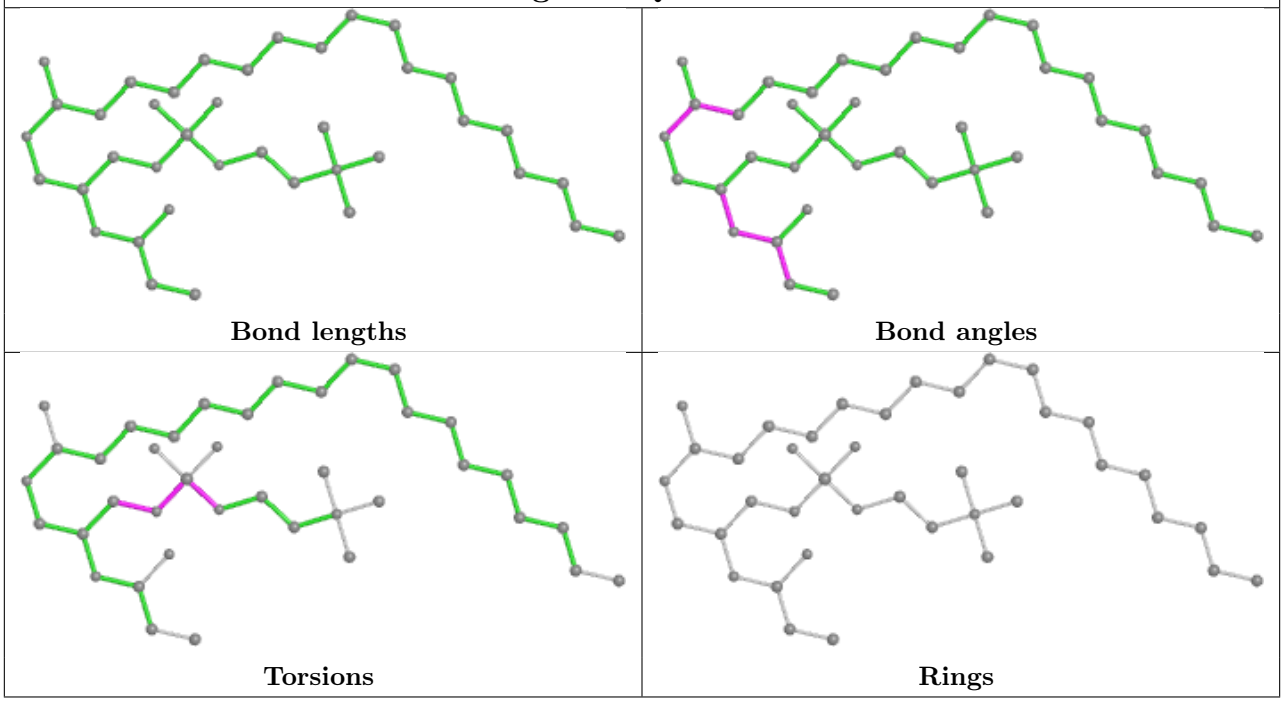
Ligand 7Q9 B 210



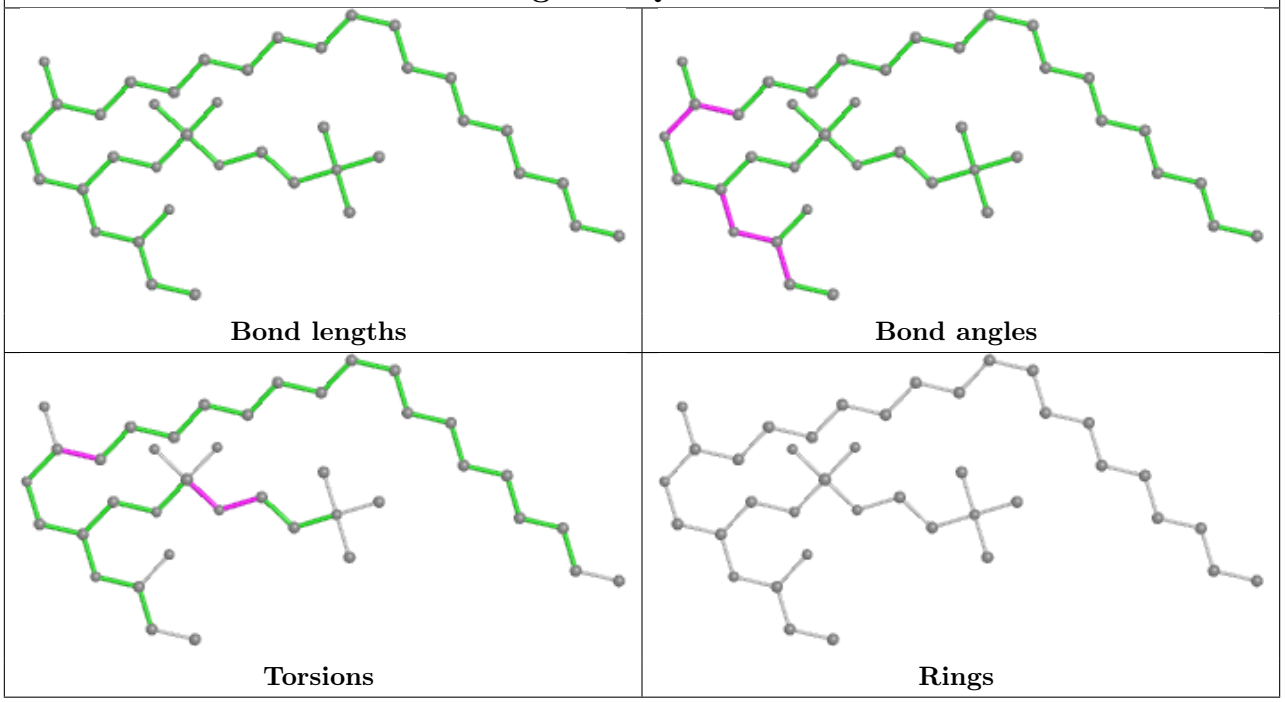
Ligand 7Q9 E 810



Ligand 7Q9 E 837



Ligand 7Q9 E 854



6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 1% for the well-defined parts and 1% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_0*

7.1.1 Bookkeeping

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

Total number of shifts	154
Number of shifts mapped to atoms	61
Number of unparsed shifts	0
Number of shifts with mapping errors	93
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

The following assigned chemical shifts were not mapped to the molecules present in the coordinate file.

- No matching atom found in the structure. First 5 (of 93) occurrences are reported below.

List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	6	LEU	HD11	0.763	.	2
1	A	6	LEU	HD12	0.763	.	2
1	A	6	LEU	HD13	0.763	.	2
1	A	8	VAL	HG21	0.7528	.	2
1	A	8	VAL	HG22	0.7528	.	2
1	A	8	VAL	HG23	0.7528	.	2
1	A	14	VAL	HG21	0.9725	.	2
1	A	14	VAL	HG22	0.9725	.	2
1	A	14	VAL	HG23	0.9725	.	2
1	A	19	LEU	HD11	0.4104	.	2
1	A	19	LEU	HD12	0.4104	.	2
1	A	19	LEU	HD13	0.4104	.	2
1	A	19	LEU	HD21	0.5804	.	2
1	A	19	LEU	HD22	0.5804	.	2

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	19	LEU	HD23	0.5804	.	2
1	A	21	ILE	HD11	0.4182	.	1
1	A	21	ILE	HD12	0.4182	.	1
1	A	21	ILE	HD13	0.4182	.	1
1	A	23	LEU	HD11	-0.477	.	2
1	A	23	LEU	HD12	-0.477	.	2
1	A	23	LEU	HD13	-0.477	.	2
1	A	24	ILE	HD11	0.2691	.	1
1	A	24	ILE	HD12	0.2691	.	1
1	A	24	ILE	HD13	0.2691	.	1
1	A	36	ILE	HD11	0.5397	.	1
1	A	36	ILE	HD12	0.5397	.	1
1	A	36	ILE	HD13	0.5397	.	1
1	A	44	VAL	HG11	0.5353	.	2
1	A	44	VAL	HG12	0.5353	.	2
1	A	44	VAL	HG13	0.5353	.	2
1	A	45	VAL	HG11	0.4379	.	2
1	A	45	VAL	HG12	0.4379	.	2
1	A	45	VAL	HG13	0.4379	.	2
1	A	46	ILE	HD11	0.2525	.	1
1	A	46	ILE	HD12	0.2525	.	1
1	A	46	ILE	HD13	0.2525	.	1
1	A	55	ILE	HD11	0.3369	.	1
1	A	55	ILE	HD12	0.3369	.	1
1	A	55	ILE	HD13	0.3369	.	1
1	A	56	LEU	HD11	0.5372	.	2
1	A	56	LEU	HD12	0.5372	.	2
1	A	56	LEU	HD13	0.5372	.	2
1	A	79	LEU	HD11	-0.1312	.	2
1	A	79	LEU	HD12	-0.1312	.	2
1	A	79	LEU	HD13	-0.1312	.	2
1	A	79	LEU	HD21	-0.015	.	2
1	A	79	LEU	HD22	-0.015	.	2
1	A	79	LEU	HD23	-0.015	.	2
1	A	81	VAL	HG21	0.4663	.	2
1	A	81	VAL	HG22	0.4663	.	2
1	A	81	VAL	HG23	0.4663	.	2
1	A	84	ILE	HD11	0.5865	.	1
1	A	84	ILE	HD12	0.5865	.	1
1	A	84	ILE	HD13	0.5865	.	1
1	A	93	ILE	HD11	0.6063	.	1

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	93	ILE	HD12	0.6063	.	1
1	A	93	ILE	HD13	0.6063	.	1
1	A	100	ILE	HD11	0.0964	.	1
1	A	100	ILE	HD12	0.0964	.	1
1	A	100	ILE	HD13	0.0964	.	1
1	A	103	VAL	HG11	0.8243	.	2
1	A	103	VAL	HG12	0.8243	.	2
1	A	103	VAL	HG13	0.8243	.	2
1	A	112	VAL	HG11	0.5953	.	2
1	A	112	VAL	HG12	0.5953	.	2
1	A	112	VAL	HG13	0.5953	.	2
1	A	113	LEU	HD11	0.8748	.	2
1	A	113	LEU	HD12	0.8748	.	2
1	A	113	LEU	HD13	0.8748	.	2
1	A	120	LEU	HD11	0.6958	.	2
1	A	120	LEU	HD12	0.6958	.	2
1	A	120	LEU	HD13	0.6958	.	2
1	A	125	VAL	HG11	-0.3248	.	2
1	A	125	VAL	HG12	-0.3248	.	2
1	A	125	VAL	HG13	-0.3248	.	2
1	A	133	LEU	HD11	0.2014	.	2
1	A	133	LEU	HD12	0.2014	.	2
1	A	133	LEU	HD13	0.2014	.	2
1	A	139	ILE	HD11	0.7118	.	1
1	A	139	ILE	HD12	0.7118	.	1
1	A	139	ILE	HD13	0.7118	.	1
1	A	142	ILE	HD11	0.5035	.	1
1	A	142	ILE	HD12	0.5035	.	1
1	A	142	ILE	HD13	0.5035	.	1
1	A	159	LEU	HD11	0.51	.	2
1	A	159	LEU	HD12	0.51	.	2
1	A	159	LEU	HD13	0.51	.	2
1	A	160	VAL	HG11	-0.2062	.	2
1	A	160	VAL	HG12	-0.2062	.	2
1	A	160	VAL	HG13	-0.2062	.	2
1	A	163	ILE	HD11	0.5261	.	1
1	A	163	ILE	HD12	0.5261	.	1
1	A	163	ILE	HD13	0.5261	.	1

7.1.2 Chemical shift referencing (i)

No chemical shift referencing corrections were calculated (not enough data).

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 1%, i.e. 144 atoms were assigned a chemical shift out of a possible 9928. 0 out of 125 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	20/3532 (1%)	10/1429 (1%)	0/1416 (0%)	10/687 (1%)
Sidechain	124/5777 (2%)	93/3712 (3%)	31/1806 (2%)	0/259 (0%)
Aromatic	0/619 (0%)	0/306 (0%)	0/291 (0%)	0/22 (0%)
Overall	144/9928 (1%)	103/5447 (2%)	31/3513 (1%)	10/968 (1%)

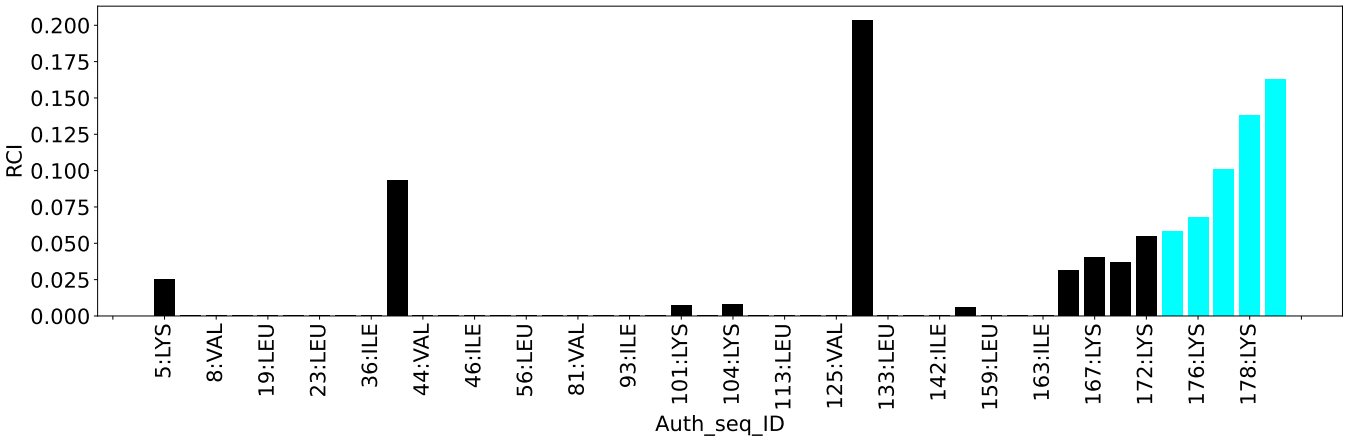
7.1.4 Statistically unusual chemical shifts (i)

There are no statistically unusual chemical shifts.

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	45
Intra-residue (|i-j|=0)	0
Sequential (|i-j|=1)	0
Medium range (|i-j|>1 and |i-j|<5)	0
Long range (|i-j|≥5)	14
Inter-chain	27
Hydrogen bond restraints	0
Disulfide bond restraints	4
Total dihedral-angle restraints	0
Number of unmapped restraints	5
Number of restraints per residue	0.1
Number of long range restraints per residue[1]	0.0

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	0.1	0.2
0.2-0.5 (Medium)	0.6	0.48
>0.5 (Large)	37.0	16.61

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

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

9 Distance violation analysis (i)

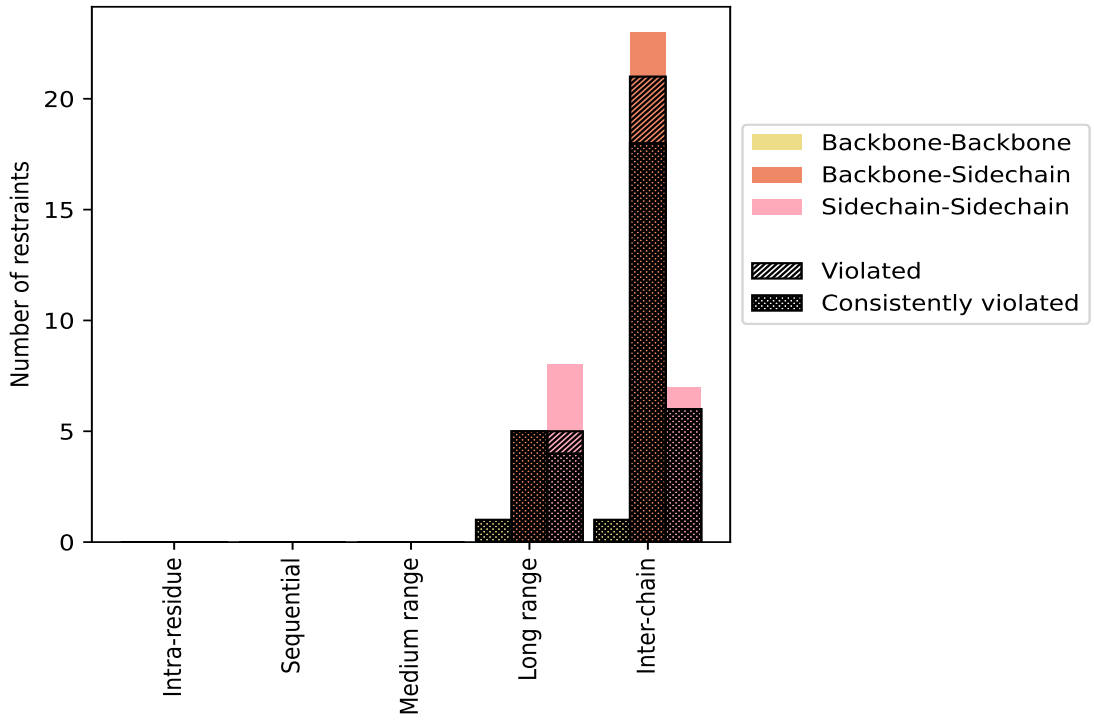
9.1 Summary of distance violations (i)

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.

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sequential (|i-j|=1)	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Medium range (|i-j|>1 & |i-j|<5)	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Long range (|i-j|≥5)	14	31.1	11	78.6	24.4	10	71.4	22.2
Backbone-Backbone	1	2.2	1	100.0	2.2	1	100.0	2.2
Backbone-Sidechain	5	11.1	5	100.0	11.1	5	100.0	11.1
Sidechain-Sidechain	8	17.8	5	62.5	11.1	4	50.0	8.9
Inter-chain	27	60.0	24	88.9	53.3	21	77.8	46.7
Backbone-Backbone	1	2.2	1	100.0	2.2	1	100.0	2.2
Backbone-Sidechain	21	46.7	19	90.5	42.2	16	76.2	35.6
Sidechain-Sidechain	5	11.1	4	80.0	8.9	4	80.0	8.9
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	4	8.9	4	100.0	8.9	4	100.0	8.9
Total	45	100.0	39	86.7	86.7	35	77.8	77.8
Backbone-Backbone	2	4.4	2	100.0	4.4	2	100.0	4.4
Backbone-Sidechain	28	62.2	26	92.9	57.8	23	82.1	51.1
Sidechain-Sidechain	15	33.3	11	73.3	24.4	10	66.7	22.2

[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



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

9.2 Distance violation statistics for each model

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	0	0	0	10	27	37	7.25	15.03	4.28	7.02
2	0	0	0	10	27	37	7.46	15.2	4.02	6.77
3	0	0	0	11	28	39	6.93	16.61	4.4	6.03
4	0	0	0	11	28	39	6.93	15.82	4.39	5.81
5	0	0	0	10	28	38	6.33	14.55	3.96	5.55
6	0	0	0	10	25	35	7.57	14.55	4.56	6.77
7	0	0	0	10	28	38	7.34	15.12	4.23	6.03
8	0	0	0	10	28	38	7.16	15.55	4.14	6.12
9	0	0	0	10	28	38	7.15	15.07	4.39	6.59
10	0	0	0	11	27	38	7.26	15.37	4.35	6.95
11	0	0	0	10	27	37	7.39	15.06	4.27	6.64

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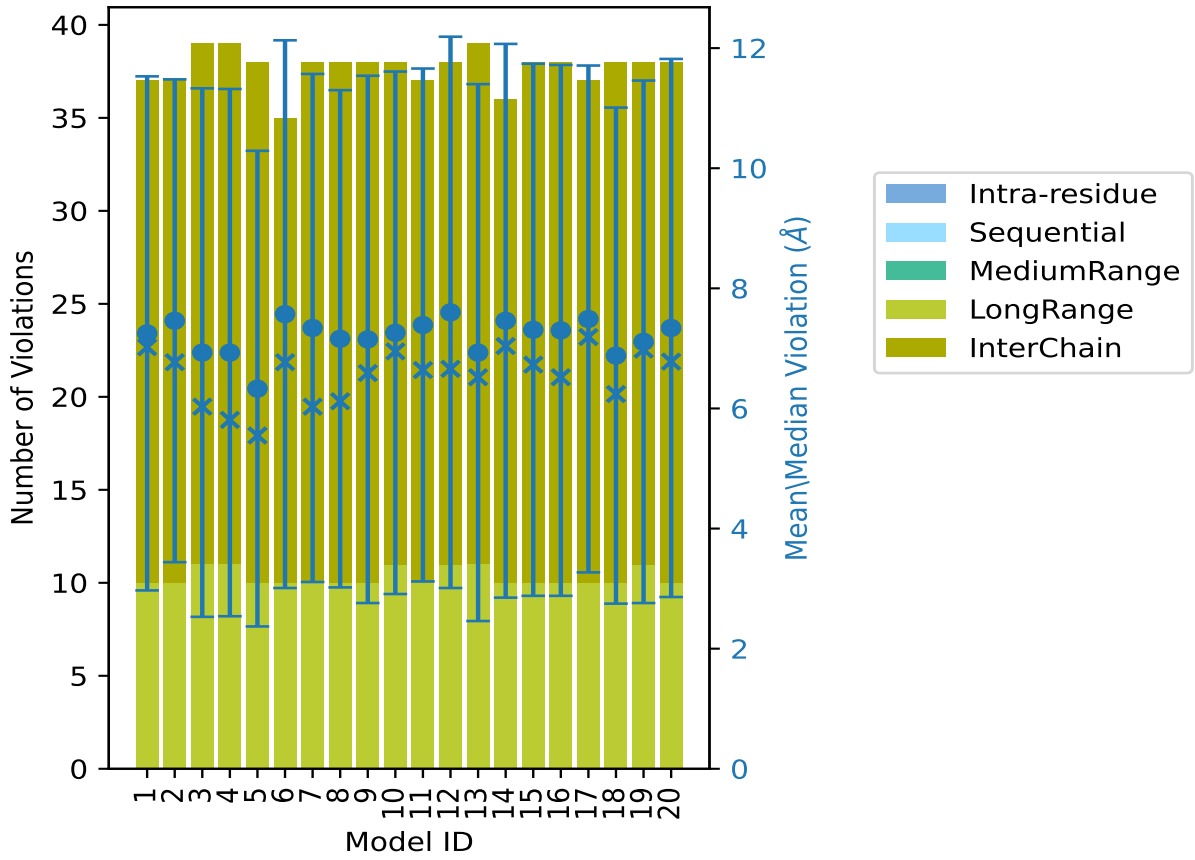
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
12	0	0	0	11	27	38	7.6	15.13	4.59	6.66
13	0	0	0	11	28	39	6.93	15.03	4.47	6.52
14	0	0	0	10	26	36	7.46	15.21	4.61	7.04
15	0	0	0	10	28	38	7.31	15.2	4.43	6.73
16	0	0	0	10	28	38	7.3	15.09	4.42	6.52
17	0	0	0	10	27	37	7.49	14.92	4.22	7.19
18	0	0	0	10	28	38	6.88	14.53	4.13	6.24
19	0	0	0	11	27	38	7.11	14.6	4.35	6.98
20	0	0	0	10	28	38	7.34	15.08	4.48	6.78

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

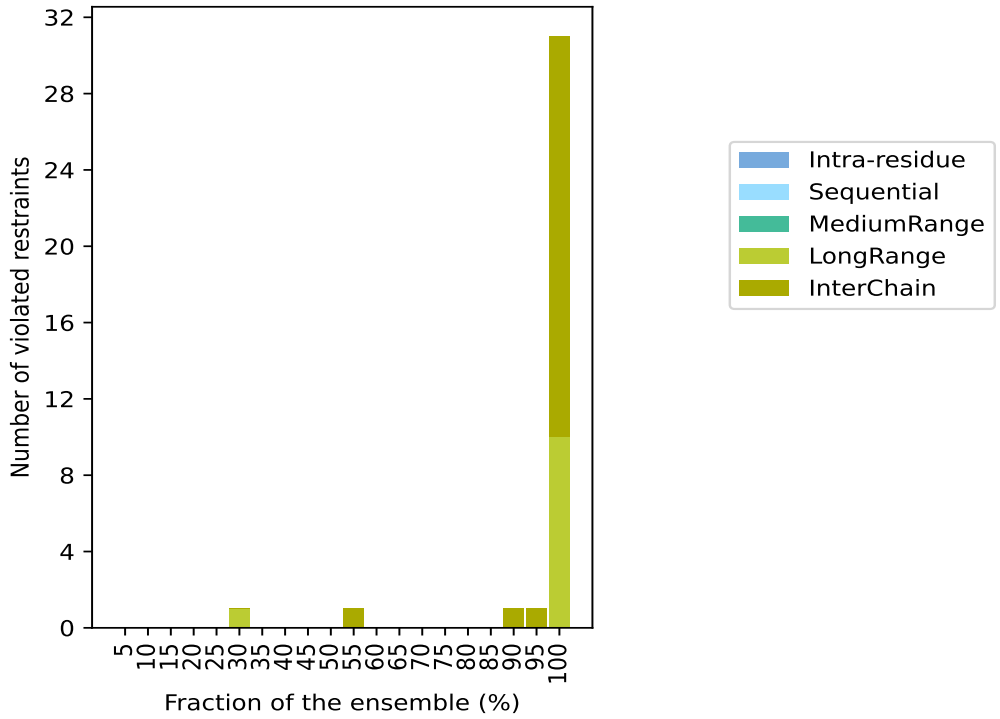
9.3 Distance violation statistics for the ensemble (i)

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, 6(IR:0, SQ:0, MR:0, LR:3, IC:3) 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	0	0	0	0	1	5.0
0	0	0	0	0	0	2	10.0
0	0	0	0	0	0	3	15.0
0	0	0	0	0	0	4	20.0
0	0	0	0	0	0	5	25.0
0	0	0	1	0	1	6	30.0
0	0	0	0	0	0	7	35.0
0	0	0	0	0	0	8	40.0
0	0	0	0	0	0	9	45.0
0	0	0	0	0	0	10	50.0
0	0	0	0	1	1	11	55.0
0	0	0	0	0	0	12	60.0
0	0	0	0	0	0	13	65.0
0	0	0	0	0	0	14	70.0
0	0	0	0	0	0	15	75.0
0	0	0	0	0	0	16	80.0
0	0	0	0	0	0	17	85.0
0	0	0	0	1	1	18	90.0
0	0	0	0	1	1	19	95.0
0	0	0	10	21	31	20	100.0

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

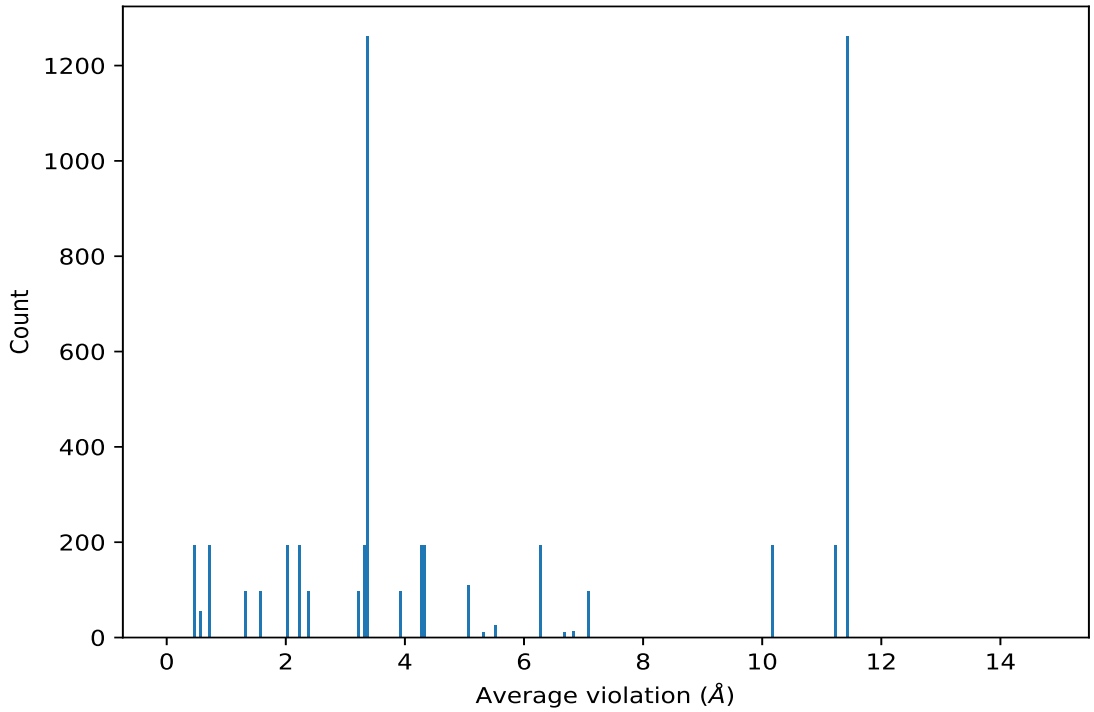
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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 violations for the 10 worst performing restraints, sorted by number of violated models and the mean violation 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)
(1,5)	1:B:169:LYS:CG	1:A:36:ILE:CD1	20	14.66	0.68	15.04
(1,19)	1:A:39:SER:OG	1:B:163:ILE:CD1	20	14.21	0.73	14.3
(1,8)	1:B:169:LYS:CG	1:A:42:LYS:N	20	13.75	1.57	14.19
(1,7)	1:B:169:LYS:CG	1:A:5:LYS:N	20	13.64	1.42	13.94
(1,4)	1:B:118:CYS:SG	1:A:42:LYS:N	20	12.99	1.43	13.18
(2,4)	1:A:39:SER:OG	1:B:167:LYS:N	20	12.44	0.74	12.51
(2,2)	1:A:39:SER:OG	1:B:128:LYS:N	20	12.01	0.88	11.98
(1,21)	1:A:184:LYS:C	1:B:2:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:3:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:4:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:5:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:6:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:7:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:8:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:9:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:10:GLY:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:C	1:B:11:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:12:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:13:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:14:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:15:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:16:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:17:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:18:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:19:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:20:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:21:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:22:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:23:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:24:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:25:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:26:ASN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:27:HIS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:28:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:29:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:30:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:31:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:32:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:33:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:34:PRO:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:35:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:36:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:37:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:38:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:39:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:40:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:41:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:42:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:43:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:44:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:45:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:46:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:47:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:48:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:49:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:50:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:51:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:52:LEU:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:C	1:B:53:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:54:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:55:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:56:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:57:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:58:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:59:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:60:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:61:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:62:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:63:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:64:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:65:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:66:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:67:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:68:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:69:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:70:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:71:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:72:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:73:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:74:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:75:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:76:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:77:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:78:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:79:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	1:B:80:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	5:B:203:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	5:B:204:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	5:B:205:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	5:B:206:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	5:B:207:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	6:B:208:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	5:B:209:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	5:B:210:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	5:B:211:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	5:B:212:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	5:B:213:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	6:B:214:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	6:B:215:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	5:B:216:7Q9:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:C	5:B:217:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	5:B:218:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	6:B:219:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:C	5:B:220:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:2:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:3:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:4:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:5:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:6:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:7:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:8:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:9:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:10:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:11:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:12:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:13:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:14:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:15:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:16:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:17:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:18:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:19:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:20:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:21:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:22:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:23:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:24:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:25:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:26:ASN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:27:HIS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:28:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:29:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:30:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:31:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:32:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:33:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:34:PRO:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:35:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:36:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:37:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:38:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:39:SER:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:CA	1:B:40:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:41:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:42:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:43:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:44:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:45:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:46:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:47:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:48:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:49:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:50:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:51:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:52:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:53:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:54:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:55:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:56:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:57:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:58:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:59:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:60:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:61:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:62:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:63:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:64:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:65:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:66:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:67:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:68:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:69:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:70:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:71:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:72:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:73:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:74:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:75:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:76:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:77:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:78:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:79:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	1:B:80:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	5:B:203:7Q9:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:CA	5:B:204:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	5:B:205:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	5:B:206:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	5:B:207:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	6:B:208:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	5:B:209:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	5:B:210:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	5:B:211:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	5:B:212:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	5:B:213:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	6:B:214:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	6:B:215:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	5:B:216:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	5:B:217:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	5:B:218:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	6:B:219:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CA	5:B:220:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:2:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:3:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:4:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:5:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:6:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:7:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:8:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:9:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:10:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:11:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:12:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:13:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:14:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:15:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:16:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:17:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:18:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:19:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:20:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:21:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:22:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:23:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:24:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:25:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:26:ASN:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:CB	1:B:27:HIS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:28:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:29:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:30:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:31:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:32:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:33:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:34:PRO:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:35:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:36:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:37:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:38:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:39:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:40:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:41:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:42:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:43:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:44:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:45:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:46:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:47:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:48:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:49:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:50:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:51:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:52:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:53:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:54:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:55:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:56:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:57:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:58:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:59:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:60:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:61:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:62:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:63:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:64:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:65:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:66:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:67:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:68:ARG:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:CB	1:B:69:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:70:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:71:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:72:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:73:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:74:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:75:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:76:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:77:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:78:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:79:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	1:B:80:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	5:B:203:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	5:B:204:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	5:B:205:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	5:B:206:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	5:B:207:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	6:B:208:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	5:B:209:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	5:B:210:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	5:B:211:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	5:B:212:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	5:B:213:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	6:B:214:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	6:B:215:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	5:B:216:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	5:B:217:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	5:B:218:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	6:B:219:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CB	5:B:220:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:2:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:3:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:4:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:5:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:6:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:7:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:8:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:9:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:10:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:11:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:12:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:13:GLY:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:CD	1:B:14:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:15:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:16:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:17:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:18:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:19:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:20:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:21:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:22:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:23:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:24:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:25:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:26:ASN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:27:HIS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:28:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:29:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:30:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:31:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:32:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:33:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:34:PRO:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:35:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:36:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:37:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:38:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:39:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:40:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:41:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:42:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:43:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:44:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:45:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:46:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:47:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:48:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:49:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:50:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:51:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:52:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:53:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:54:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:55:ILE:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:CD	1:B:56:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:57:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:58:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:59:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:60:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:61:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:62:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:63:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:64:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:65:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:66:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:67:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:68:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:69:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:70:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:71:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:72:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:73:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:74:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:75:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:76:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:77:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:78:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:79:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	1:B:80:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	5:B:203:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	5:B:204:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	5:B:205:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	5:B:206:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	5:B:207:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	6:B:208:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	5:B:209:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	5:B:210:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	5:B:211:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	5:B:212:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	5:B:213:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	6:B:214:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	6:B:215:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	5:B:216:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	5:B:217:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	5:B:218:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CD	6:B:219:17F:N1	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:CD	5:B:220:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:2:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:3:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:4:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:5:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:6:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:7:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:8:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:9:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:10:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:11:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:12:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:13:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:14:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:15:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:16:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:17:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:18:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:19:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:20:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:21:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:22:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:23:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:24:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:25:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:26:ASN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:27:HIS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:28:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:29:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:30:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:31:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:32:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:33:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:34:PRO:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:35:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:36:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:37:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:38:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:39:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:40:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:41:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:42:LYS:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:CE	1:B:43:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:44:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:45:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:46:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:47:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:48:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:49:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:50:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:51:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:52:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:53:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:54:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:55:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:56:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:57:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:58:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:59:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:60:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:61:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:62:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:63:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:64:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:65:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:66:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:67:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:68:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:69:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:70:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:71:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:72:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:73:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:74:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:75:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:76:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:77:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:78:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:79:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	1:B:80:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	5:B:203:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	5:B:204:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	5:B:205:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	5:B:206:7Q9:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:CE	5:B:207:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	6:B:208:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	5:B:209:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	5:B:210:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	5:B:211:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	5:B:212:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	5:B:213:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	6:B:214:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	6:B:215:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	5:B:216:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	5:B:217:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	5:B:218:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	6:B:219:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CE	5:B:220:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:2:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:3:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:4:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:5:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:6:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:7:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:8:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:9:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:10:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:11:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:12:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:13:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:14:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:15:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:16:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:17:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:18:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:19:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:20:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:21:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:22:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:23:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:24:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:25:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:26:ASN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:27:HIS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:28:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:29:VAL:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:CG	1:B:30:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:31:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:32:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:33:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:34:PRO:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:35:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:36:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:37:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:38:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:39:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:40:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:41:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:42:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:43:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:44:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:45:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:46:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:47:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:48:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:49:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:50:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:51:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:52:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:53:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:54:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:55:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:56:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:57:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:58:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:59:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:60:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:61:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:62:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:63:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:64:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:65:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:66:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:67:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:68:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:69:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:70:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:71:TYR:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:CG	1:B:72:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:73:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:74:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:75:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:76:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:77:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:78:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:79:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	1:B:80:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	5:B:203:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	5:B:204:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	5:B:205:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	5:B:206:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	5:B:207:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	6:B:208:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	5:B:209:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	5:B:210:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	5:B:211:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	5:B:212:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	5:B:213:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	6:B:214:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	6:B:215:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	5:B:216:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	5:B:217:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	5:B:218:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	6:B:219:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:CG	5:B:220:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:2:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:3:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:4:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:5:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:6:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:7:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:8:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:9:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:10:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:11:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:12:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:13:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:14:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:15:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:16:LYS:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:H	1:B:17:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:18:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:19:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:20:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:21:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:22:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:23:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:24:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:25:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:26:ASN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:27:HIS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:28:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:29:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:30:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:31:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:32:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:33:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:34:PRO:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:35:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:36:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:37:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:38:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:39:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:40:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:41:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:42:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:43:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:44:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:45:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:46:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:47:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:48:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:49:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:50:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:51:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:52:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:53:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:54:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:55:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:56:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:57:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:58:THR:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:H	1:B:59:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:60:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:61:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:62:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:63:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:64:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:65:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:66:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:67:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:68:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:69:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:70:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:71:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:72:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:73:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:74:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:75:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:76:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:77:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:78:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:79:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	1:B:80:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	5:B:203:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	5:B:204:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	5:B:205:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	5:B:206:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	5:B:207:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	6:B:208:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	5:B:209:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	5:B:210:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	5:B:211:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	5:B:212:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	5:B:213:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	6:B:214:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	6:B:215:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	5:B:216:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	5:B:217:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	5:B:218:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	6:B:219:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:H	5:B:220:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:2:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:3:GLU:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:HZ1	1:B:4:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:5:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:6:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:7:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:8:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:9:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:10:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:11:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:12:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:13:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:14:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:15:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:16:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:17:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:18:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:19:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:20:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:21:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:22:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:23:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:24:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:25:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:26:ASN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:27:HIS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:28:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:29:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:30:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:31:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:32:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:33:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:34:PRO:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:35:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:36:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:37:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:38:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:39:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:40:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:41:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:42:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:43:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:44:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:45:VAL:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:HZ1	1:B:46:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:47:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:48:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:49:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:50:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:51:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:52:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:53:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:54:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:55:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:56:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:57:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:58:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:59:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:60:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:61:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:62:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:63:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:64:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:65:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:66:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:67:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:68:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:69:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:70:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:71:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:72:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:73:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:74:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:75:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:76:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:77:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:78:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:79:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	1:B:80:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	5:B:203:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	5:B:204:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	5:B:205:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	5:B:206:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	5:B:207:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	6:B:208:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	5:B:209:7Q9:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:HZ1	5:B:210:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	5:B:211:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	5:B:212:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	5:B:213:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	6:B:214:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	6:B:215:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	5:B:216:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	5:B:217:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	5:B:218:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	6:B:219:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ1	5:B:220:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:2:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:3:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:4:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:5:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:6:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:7:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:8:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:9:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:10:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:11:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:12:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:13:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:14:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:15:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:16:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:17:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:18:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:19:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:20:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:21:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:22:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:23:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:24:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:25:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:26:ASN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:27:HIS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:28:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:29:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:30:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:31:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:32:TYR:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:HZ2	1:B:33:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:34:PRO:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:35:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:36:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:37:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:38:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:39:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:40:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:41:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:42:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:43:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:44:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:45:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:46:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:47:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:48:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:49:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:50:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:51:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:52:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:53:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:54:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:55:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:56:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:57:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:58:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:59:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:60:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:61:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:62:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:63:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:64:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:65:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:66:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:67:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:68:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:69:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:70:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:71:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:72:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:73:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:74:THR:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:HZ2	1:B:75:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:76:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:77:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:78:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:79:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	1:B:80:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	5:B:203:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	5:B:204:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	5:B:205:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	5:B:206:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	5:B:207:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	6:B:208:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	5:B:209:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	5:B:210:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	5:B:211:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	5:B:212:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	5:B:213:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	6:B:214:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	6:B:215:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	5:B:216:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	5:B:217:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	5:B:218:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	6:B:219:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ2	5:B:220:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:2:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:3:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:4:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:5:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:6:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:7:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:8:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:9:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:10:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:11:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:12:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:13:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:14:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:15:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:16:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:17:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:18:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:19:LEU:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:HZ3	1:B:20:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:21:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:22:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:23:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:24:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:25:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:26:ASN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:27:HIS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:28:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:29:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:30:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:31:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:32:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:33:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:34:PRO:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:35:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:36:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:37:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:38:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:39:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:40:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:41:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:42:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:43:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:44:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:45:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:46:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:47:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:48:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:49:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:50:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:51:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:52:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:53:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:54:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:55:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:56:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:57:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:58:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:59:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:60:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:61:GLN:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:HZ3	1:B:62:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:63:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:64:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:65:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:66:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:67:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:68:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:69:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:70:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:71:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:72:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:73:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:74:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:75:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:76:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:77:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:78:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:79:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	1:B:80:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	5:B:203:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	5:B:204:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	5:B:205:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	5:B:206:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	5:B:207:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	6:B:208:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	5:B:209:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	5:B:210:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	5:B:211:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	5:B:212:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	5:B:213:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	6:B:214:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	6:B:215:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	5:B:216:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	5:B:217:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	5:B:218:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	6:B:219:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:HZ3	5:B:220:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:2:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:3:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:4:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:5:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:6:LEU:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:N	1:B:7:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:8:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:9:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:10:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:11:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:12:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:13:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:14:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:15:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:16:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:17:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:18:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:19:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:20:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:21:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:22:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:23:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:24:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:25:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:26:ASN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:27:HIS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:28:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:29:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:30:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:31:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:32:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:33:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:34:PRO:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:35:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:36:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:37:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:38:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:39:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:40:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:41:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:42:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:43:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:44:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:45:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:46:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:47:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:48:GLY:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:N	1:B:49:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:50:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:51:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:52:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:53:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:54:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:55:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:56:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:57:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:58:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:59:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:60:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:61:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:62:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:63:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:64:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:65:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:66:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:67:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:68:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:69:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:70:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:71:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:72:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:73:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:74:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:75:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:76:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:77:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:78:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:79:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	1:B:80:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	5:B:203:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	5:B:204:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	5:B:205:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	5:B:206:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	5:B:207:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	6:B:208:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	5:B:209:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	5:B:210:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	5:B:211:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	5:B:212:7Q9:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:N	5:B:213:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	6:B:214:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	6:B:215:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	5:B:216:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	5:B:217:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	5:B:218:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	6:B:219:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:N	5:B:220:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:2:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:3:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:4:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:5:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:6:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:7:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:8:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:9:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:10:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:11:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:12:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:13:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:14:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:15:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:16:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:17:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:18:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:19:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:20:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:21:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:22:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:23:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:24:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:25:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:26:ASN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:27:HIS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:28:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:29:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:30:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:31:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:32:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:33:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:34:PRO:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:35:THR:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:NZ	1:B:36:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:37:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:38:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:39:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:40:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:41:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:42:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:43:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:44:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:45:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:46:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:47:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:48:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:49:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:50:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:51:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:52:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:53:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:54:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:55:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:56:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:57:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:58:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:59:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:60:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:61:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:62:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:63:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:64:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:65:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:66:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:67:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:68:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:69:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:70:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:71:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:72:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:73:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:74:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:75:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:76:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:77:GLY:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:NZ	1:B:78:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:79:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	1:B:80:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	5:B:203:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	5:B:204:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	5:B:205:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	5:B:206:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	5:B:207:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	6:B:208:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	5:B:209:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	5:B:210:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	5:B:211:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	5:B:212:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	5:B:213:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	6:B:214:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	6:B:215:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	5:B:216:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	5:B:217:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	5:B:218:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	6:B:219:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:NZ	5:B:220:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:2:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:3:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:4:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:5:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:6:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:7:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:8:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:9:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:10:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:11:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:12:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:13:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:14:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:15:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:16:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:17:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:18:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:19:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:20:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:21:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:22:GLN:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:O	1:B:23:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:24:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:25:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:26:ASN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:27:HIS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:28:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:29:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:30:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:31:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:32:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:33:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:34:PRO:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:35:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:36:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:37:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:38:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:39:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:40:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:41:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:42:LYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:43:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:44:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:45:VAL:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:46:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:47:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:48:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:49:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:50:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:51:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:52:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:53:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:54:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:55:ILE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:56:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:57:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:58:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:59:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:60:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:61:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:62:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:63:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:64:TYR:N	20	11.43	3.62	12.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,21)	1:A:184:LYS:O	1:B:65:SER:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:66:ALA:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:67:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:68:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:69:ASP:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:70:GLN:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:71:TYR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:72:MET:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:73:ARG:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:74:THR:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:75:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:76:GLU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:77:GLY:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:78:PHE:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:79:LEU:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	1:B:80:CYS:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	5:B:203:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	5:B:204:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	5:B:205:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	5:B:206:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	5:B:207:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	6:B:208:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	5:B:209:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	5:B:210:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	5:B:211:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	5:B:212:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	5:B:213:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	6:B:214:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	6:B:215:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	5:B:216:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	5:B:217:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	5:B:218:7Q9:N	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	6:B:219:17F:N1	20	11.43	3.62	12.38
(1,21)	1:A:184:LYS:O	5:B:220:7Q9:N	20	11.43	3.62	12.38
(3,17)	1:B:159:LEU:CD1	1:B:2:THR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:3:GLU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:4:TYR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:5:LYS:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:6:LEU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:7:VAL:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:8:VAL:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:9:VAL:N	20	11.24	0.35	11.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,17)	1:B:159:LEU:CD1	1:B:10:GLY:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:11:ALA:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:12:ASP:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:13:GLY:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:14:VAL:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:15:GLY:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:16:LYS:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:17:SER:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:18:ALA:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:19:LEU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:20:THR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:21:ILE:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:22:GLN:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:23:LEU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:24:ILE:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:25:GLN:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:26:ASN:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:27:HIS:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:28:PHE:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:29:VAL:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:30:ASP:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:31:GLU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:32:TYR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:33:ASP:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:34:PRO:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:35:THR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:36:ILE:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:37:GLU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:38:ASP:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:39:SER:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:40:TYR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:41:ARG:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:42:LYS:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:43:GLN:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:44:VAL:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:45:VAL:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:46:ILE:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:47:ASP:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:48:GLY:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:49:GLU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:50:THR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:51:CYS:N	20	11.24	0.35	11.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,17)	1:B:159:LEU:CD1	1:B:52:LEU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:53:LEU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:54:ASP:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:55:ILE:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:56:LEU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:57:ASP:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:58:THR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:59:ALA:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:60:GLY:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:61:GLN:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:62:GLU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:63:GLU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:64:TYR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:65:SER:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:66:ALA:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:67:MET:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:68:ARG:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:69:ASP:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:70:GLN:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:71:TYR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:72:MET:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:73:ARG:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:74:THR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:75:GLY:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:76:GLU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:77:GLY:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:78:PHE:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:79:LEU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	1:B:80:CYS:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	5:B:203:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	5:B:204:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	5:B:205:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	5:B:206:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	5:B:207:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	6:B:208:17F:N1	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	5:B:209:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	5:B:210:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	5:B:211:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	5:B:212:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	5:B:213:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	6:B:214:17F:N1	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	6:B:215:17F:N1	20	11.24	0.35	11.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,17)	1:B:159:LEU:CD1	5:B:216:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	5:B:217:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	5:B:218:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	6:B:219:17F:N1	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD1	5:B:220:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:2:THR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:3:GLU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:4:TYR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:5:LYS:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:6:LEU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:7:VAL:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:8:VAL:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:9:VAL:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:10:GLY:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:11:ALA:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:12:ASP:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:13:GLY:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:14:VAL:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:15:GLY:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:16:LYS:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:17:SER:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:18:ALA:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:19:LEU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:20:THR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:21:ILE:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:22:GLN:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:23:LEU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:24:ILE:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:25:GLN:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:26:ASN:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:27:HIS:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:28:PHE:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:29:VAL:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:30:ASP:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:31:GLU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:32:TYR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:33:ASP:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:34:PRO:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:35:THR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:36:ILE:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:37:GLU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:38:ASP:N	20	11.24	0.35	11.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,17)	1:B:159:LEU:CD2	1:B:39:SER:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:40:TYR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:41:ARG:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:42:LYS:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:43:GLN:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:44:VAL:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:45:VAL:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:46:ILE:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:47:ASP:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:48:GLY:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:49:GLU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:50:THR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:51:CYS:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:52:LEU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:53:LEU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:54:ASP:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:55:ILE:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:56:LEU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:57:ASP:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:58:THR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:59:ALA:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:60:GLY:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:61:GLN:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:62:GLU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:63:GLU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:64:TYR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:65:SER:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:66:ALA:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:67:MET:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:68:ARG:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:69:ASP:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:70:GLN:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:71:TYR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:72:MET:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:73:ARG:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:74:THR:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:75:GLY:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:76:GLU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:77:GLY:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:78:PHE:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:79:LEU:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	1:B:80:CYS:N	20	11.24	0.35	11.28

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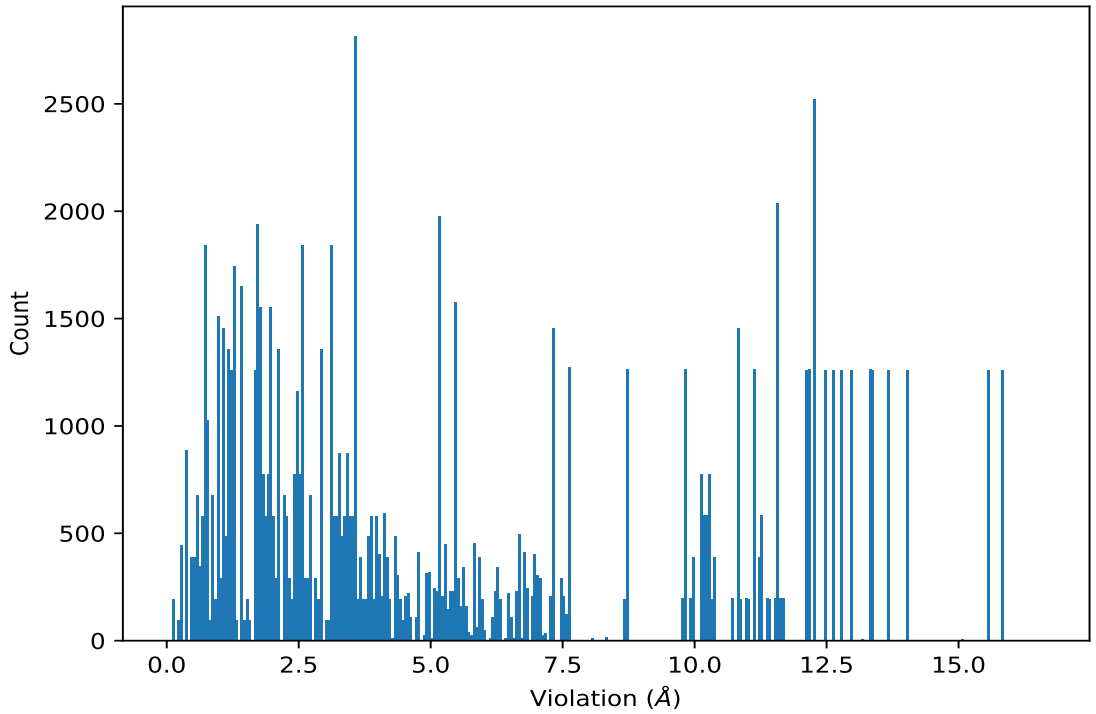
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,17)	1:B:159:LEU:CD2	5:B:203:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	5:B:204:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	5:B:205:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	5:B:206:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	5:B:207:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	6:B:208:17F:N1	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	5:B:209:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	5:B:210:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	5:B:211:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	5:B:212:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	5:B:213:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	6:B:214:17F:N1	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	6:B:215:17F:N1	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	5:B:216:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	5:B:217:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	5:B:218:7Q9:N	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	6:B:219:17F:N1	20	11.24	0.35	11.28
(3,17)	1:B:159:LEU:CD2	5:B:220:7Q9:N	20	11.24	0.35	11.28
(2,5)	1:A:39:SER:OG	1:B:169:LYS:N	20	11.12	0.86	10.84

[1]Number of violated models, [2]Standard deviation

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

The following table provides the 10 worst performing restraints, sorted by the violation 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)
(1,8)	1:B:169:LYS:CG	1:A:42:LYS:N	3	16.61
(1,21)	1:A:184:LYS:C	1:B:2:THR:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:3:GLU:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:4:TYR:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:5:LYS:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:6:LEU:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:7:VAL:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:8:VAL:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:9:VAL:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:10:GLY:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:11:ALA:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:12:ASP:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:13:GLY:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:14:VAL:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:15:GLY:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:16:LYS:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:17:SER:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:C	1:B:18:ALA:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:19:LEU:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:20:THR:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:21:ILE:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:22:GLN:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:23:LEU:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:24:ILE:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:25:GLN:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:26:ASN:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:27:HIS:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:28:PHE:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:29:VAL:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:30:ASP:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:31:GLU:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:32:TYR:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:33:ASP:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:34:PRO:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:35:THR:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:36:ILE:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:37:GLU:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:38:ASP:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:39:SER:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:40:TYR:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:41:ARG:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:42:LYS:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:43:GLN:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:44:VAL:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:45:VAL:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:46:ILE:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:47:ASP:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:48:GLY:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:49:GLU:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:50:THR:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:51:CYS:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:52:LEU:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:53:LEU:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:54:ASP:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:55:ILE:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:56:LEU:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:57:ASP:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:58:THR:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:59:ALA:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:C	1:B:60:GLY:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:61:GLN:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:62:GLU:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:63:GLU:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:64:TYR:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:65:SER:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:66:ALA:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:67:MET:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:68:ARG:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:69:ASP:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:70:GLN:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:71:TYR:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:72:MET:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:73:ARG:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:74:THR:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:75:GLY:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:76:GLU:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:77:GLY:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:78:PHE:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:79:LEU:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:80:CYS:N	4	15.82
(1,21)	1:A:184:LYS:C	5:B:203:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:C	5:B:204:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:C	5:B:205:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:C	5:B:206:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:C	5:B:207:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:C	6:B:208:17F:N1	4	15.82
(1,21)	1:A:184:LYS:C	5:B:209:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:C	5:B:210:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:C	5:B:211:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:C	5:B:212:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:C	5:B:213:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:C	6:B:214:17F:N1	4	15.82
(1,21)	1:A:184:LYS:C	6:B:215:17F:N1	4	15.82
(1,21)	1:A:184:LYS:C	5:B:216:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:C	5:B:217:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:C	5:B:218:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:C	6:B:219:17F:N1	4	15.82
(1,21)	1:A:184:LYS:C	5:B:220:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:2:THR:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:3:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:4:TYR:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CA	1:B:5:LYS:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:6:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:7:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:8:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:9:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:10:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:11:ALA:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:12:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:13:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:14:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:15:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:16:LYS:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:17:SER:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:18:ALA:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:19:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:20:THR:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:21:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:22:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:23:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:24:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:25:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:26:ASN:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:27:HIS:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:28:PHE:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:29:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:30:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:31:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:32:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:33:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:34:PRO:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:35:THR:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:36:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:37:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:38:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:39:SER:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:40:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:41:ARG:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:42:LYS:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:43:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:44:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:45:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:46:ILE:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CA	1:B:47:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:48:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:49:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:50:THR:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:51:CYS:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:52:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:53:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:54:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:55:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:56:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:57:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:58:THR:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:59:ALA:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:60:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:61:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:62:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:63:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:64:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:65:SER:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:66:ALA:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:67:MET:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:68:ARG:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:69:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:70:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:71:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:72:MET:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:73:ARG:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:74:THR:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:75:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:76:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:77:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:78:PHE:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:79:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CA	1:B:80:CYS:N	4	15.82
(1,21)	1:A:184:LYS:CA	5:B:203:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CA	5:B:204:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CA	5:B:205:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CA	5:B:206:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CA	5:B:207:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CA	6:B:208:17F:N1	4	15.82
(1,21)	1:A:184:LYS:CA	5:B:209:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CA	5:B:210:7Q9:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CA	5:B:211:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CA	5:B:212:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CA	5:B:213:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CA	6:B:214:17F:N1	4	15.82
(1,21)	1:A:184:LYS:CA	6:B:215:17F:N1	4	15.82
(1,21)	1:A:184:LYS:CA	5:B:216:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CA	5:B:217:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CA	5:B:218:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CA	6:B:219:17F:N1	4	15.82
(1,21)	1:A:184:LYS:CA	5:B:220:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:2:THR:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:3:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:4:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:5:LYS:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:6:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:7:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:8:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:9:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:10:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:11:ALA:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:12:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:13:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:14:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:15:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:16:LYS:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:17:SER:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:18:ALA:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:19:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:20:THR:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:21:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:22:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:23:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:24:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:25:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:26:ASN:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:27:HIS:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:28:PHE:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:29:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:30:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:31:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:32:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:33:ASP:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CB	1:B:34:PRO:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:35:THR:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:36:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:37:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:38:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:39:SER:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:40:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:41:ARG:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:42:LYS:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:43:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:44:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:45:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:46:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:47:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:48:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:49:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:50:THR:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:51:CYS:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:52:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:53:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:54:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:55:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:56:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:57:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:58:THR:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:59:ALA:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:60:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:61:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:62:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:63:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:64:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:65:SER:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:66:ALA:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:67:MET:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:68:ARG:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:69:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:70:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:71:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:72:MET:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:73:ARG:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:74:THR:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:75:GLY:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CB	1:B:76:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:77:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:78:PHE:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:79:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CB	1:B:80:CYS:N	4	15.82
(1,21)	1:A:184:LYS:CB	5:B:203:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CB	5:B:204:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CB	5:B:205:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CB	5:B:206:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CB	5:B:207:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CB	6:B:208:17F:N1	4	15.82
(1,21)	1:A:184:LYS:CB	5:B:209:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CB	5:B:210:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CB	5:B:211:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CB	5:B:212:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CB	5:B:213:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CB	6:B:214:17F:N1	4	15.82
(1,21)	1:A:184:LYS:CB	6:B:215:17F:N1	4	15.82
(1,21)	1:A:184:LYS:CB	5:B:216:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CB	5:B:217:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CB	5:B:218:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CB	6:B:219:17F:N1	4	15.82
(1,21)	1:A:184:LYS:CB	5:B:220:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:2:THR:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:3:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:4:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:5:LYS:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:6:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:7:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:8:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:9:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:10:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:11:ALA:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:12:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:13:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:14:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:15:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:16:LYS:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:17:SER:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:18:ALA:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:19:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:20:THR:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CD	1:B:21:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:22:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:23:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:24:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:25:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:26:ASN:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:27:HIS:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:28:PHE:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:29:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:30:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:31:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:32:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:33:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:34:PRO:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:35:THR:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:36:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:37:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:38:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:39:SER:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:40:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:41:ARG:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:42:LYS:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:43:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:44:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:45:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:46:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:47:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:48:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:49:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:50:THR:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:51:CYS:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:52:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:53:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:54:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:55:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:56:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:57:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:58:THR:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:59:ALA:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:60:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:61:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:62:GLU:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CD	1:B:63:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:64:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:65:SER:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:66:ALA:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:67:MET:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:68:ARG:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:69:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:70:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:71:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:72:MET:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:73:ARG:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:74:THR:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:75:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:76:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:77:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:78:PHE:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:79:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CD	1:B:80:CYS:N	4	15.82
(1,21)	1:A:184:LYS:CD	5:B:203:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CD	5:B:204:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CD	5:B:205:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CD	5:B:206:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CD	5:B:207:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CD	6:B:208:17F:N1	4	15.82
(1,21)	1:A:184:LYS:CD	5:B:209:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CD	5:B:210:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CD	5:B:211:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CD	5:B:212:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CD	5:B:213:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CD	6:B:214:17F:N1	4	15.82
(1,21)	1:A:184:LYS:CD	6:B:215:17F:N1	4	15.82
(1,21)	1:A:184:LYS:CD	5:B:216:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CD	5:B:217:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CD	5:B:218:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CD	6:B:219:17F:N1	4	15.82
(1,21)	1:A:184:LYS:CD	5:B:220:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:2:THR:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:3:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:4:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:5:LYS:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:6:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:7:VAL:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CE	1:B:8:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:9:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:10:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:11:ALA:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:12:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:13:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:14:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:15:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:16:LYS:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:17:SER:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:18:ALA:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:19:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:20:THR:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:21:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:22:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:23:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:24:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:25:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:26:ASN:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:27:HIS:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:28:PHE:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:29:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:30:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:31:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:32:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:33:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:34:PRO:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:35:THR:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:36:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:37:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:38:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:39:SER:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:40:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:41:ARG:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:42:LYS:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:43:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:44:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:45:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:46:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:47:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:48:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:49:GLU:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CE	1:B:50:THR:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:51:CYS:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:52:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:53:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:54:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:55:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:56:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:57:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:58:THR:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:59:ALA:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:60:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:61:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:62:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:63:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:64:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:65:SER:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:66:ALA:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:67:MET:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:68:ARG:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:69:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:70:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:71:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:72:MET:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:73:ARG:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:74:THR:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:75:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:76:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:77:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:78:PHE:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:79:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CE	1:B:80:CYS:N	4	15.82
(1,21)	1:A:184:LYS:CE	5:B:203:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CE	5:B:204:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CE	5:B:205:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CE	5:B:206:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CE	5:B:207:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CE	6:B:208:17F:N1	4	15.82
(1,21)	1:A:184:LYS:CE	5:B:209:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CE	5:B:210:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CE	5:B:211:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CE	5:B:212:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CE	5:B:213:7Q9:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CE	6:B:214:17F:N1	4	15.82
(1,21)	1:A:184:LYS:CE	6:B:215:17F:N1	4	15.82
(1,21)	1:A:184:LYS:CE	5:B:216:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CE	5:B:217:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CE	5:B:218:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CE	6:B:219:17F:N1	4	15.82
(1,21)	1:A:184:LYS:CE	5:B:220:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:2:THR:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:3:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:4:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:5:LYS:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:6:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:7:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:8:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:9:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:10:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:11:ALA:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:12:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:13:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:14:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:15:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:16:LYS:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:17:SER:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:18:ALA:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:19:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:20:THR:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:21:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:22:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:23:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:24:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:25:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:26:ASN:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:27:HIS:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:28:PHE:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:29:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:30:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:31:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:32:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:33:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:34:PRO:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:35:THR:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:36:ILE:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CG	1:B:37:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:38:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:39:SER:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:40:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:41:ARG:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:42:LYS:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:43:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:44:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:45:VAL:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:46:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:47:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:48:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:49:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:50:THR:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:51:CYS:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:52:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:53:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:54:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:55:ILE:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:56:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:57:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:58:THR:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:59:ALA:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:60:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:61:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:62:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:63:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:64:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:65:SER:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:66:ALA:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:67:MET:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:68:ARG:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:69:ASP:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:70:GLN:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:71:TYR:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:72:MET:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:73:ARG:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:74:THR:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:75:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:76:GLU:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:77:GLY:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:78:PHE:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CG	1:B:79:LEU:N	4	15.82
(1,21)	1:A:184:LYS:CG	1:B:80:CYS:N	4	15.82
(1,21)	1:A:184:LYS:CG	5:B:203:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CG	5:B:204:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CG	5:B:205:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CG	5:B:206:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CG	5:B:207:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CG	6:B:208:17F:N1	4	15.82
(1,21)	1:A:184:LYS:CG	5:B:209:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CG	5:B:210:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CG	5:B:211:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CG	5:B:212:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CG	5:B:213:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CG	6:B:214:17F:N1	4	15.82
(1,21)	1:A:184:LYS:CG	6:B:215:17F:N1	4	15.82
(1,21)	1:A:184:LYS:CG	5:B:216:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CG	5:B:217:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CG	5:B:218:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:CG	6:B:219:17F:N1	4	15.82
(1,21)	1:A:184:LYS:CG	5:B:220:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:2:THR:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:3:GLU:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:4:TYR:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:5:LYS:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:6:LEU:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:7:VAL:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:8:VAL:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:9:VAL:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:10:GLY:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:11:ALA:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:12:ASP:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:13:GLY:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:14:VAL:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:15:GLY:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:16:LYS:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:17:SER:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:18:ALA:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:19:LEU:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:20:THR:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:21:ILE:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:22:GLN:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:23:LEU:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:H	1:B:24:ILE:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:25:GLN:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:26:ASN:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:27:HIS:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:28:PHE:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:29:VAL:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:30:ASP:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:31:GLU:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:32:TYR:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:33:ASP:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:34:PRO:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:35:THR:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:36:ILE:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:37:GLU:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:38:ASP:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:39:SER:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:40:TYR:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:41:ARG:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:42:LYS:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:43:GLN:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:44:VAL:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:45:VAL:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:46:ILE:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:47:ASP:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:48:GLY:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:49:GLU:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:50:THR:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:51:CYS:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:52:LEU:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:53:LEU:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:54:ASP:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:55:ILE:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:56:LEU:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:57:ASP:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:58:THR:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:59:ALA:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:60:GLY:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:61:GLN:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:62:GLU:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:63:GLU:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:64:TYR:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:65:SER:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:H	1:B:66:ALA:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:67:MET:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:68:ARG:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:69:ASP:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:70:GLN:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:71:TYR:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:72:MET:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:73:ARG:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:74:THR:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:75:GLY:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:76:GLU:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:77:GLY:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:78:PHE:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:79:LEU:N	4	15.82
(1,21)	1:A:184:LYS:H	1:B:80:CYS:N	4	15.82
(1,21)	1:A:184:LYS:H	5:B:203:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:H	5:B:204:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:H	5:B:205:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:H	5:B:206:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:H	5:B:207:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:H	6:B:208:17F:N1	4	15.82
(1,21)	1:A:184:LYS:H	5:B:209:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:H	5:B:210:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:H	5:B:211:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:H	5:B:212:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:H	5:B:213:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:H	6:B:214:17F:N1	4	15.82
(1,21)	1:A:184:LYS:H	6:B:215:17F:N1	4	15.82
(1,21)	1:A:184:LYS:H	5:B:216:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:H	5:B:217:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:H	5:B:218:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:H	6:B:219:17F:N1	4	15.82
(1,21)	1:A:184:LYS:H	5:B:220:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:2:THR:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:3:GLU:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:4:TYR:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:5:LYS:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:6:LEU:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:7:VAL:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:8:VAL:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:9:VAL:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:10:GLY:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:HZ1	1:B:11:ALA:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:12:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:13:GLY:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:14:VAL:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:15:GLY:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:16:LYS:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:17:SER:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:18:ALA:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:19:LEU:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:20:THR:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:21:ILE:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:22:GLN:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:23:LEU:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:24:ILE:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:25:GLN:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:26:ASN:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:27:HIS:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:28:PHE:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:29:VAL:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:30:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:31:GLU:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:32:TYR:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:33:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:34:PRO:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:35:THR:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:36:ILE:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:37:GLU:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:38:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:39:SER:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:40:TYR:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:41:ARG:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:42:LYS:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:43:GLN:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:44:VAL:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:45:VAL:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:46:ILE:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:47:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:48:GLY:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:49:GLU:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:50:THR:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:51:CYS:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:52:LEU:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:HZ1	1:B:53:LEU:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:54:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:55:ILE:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:56:LEU:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:57:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:58:THR:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:59:ALA:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:60:GLY:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:61:GLN:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:62:GLU:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:63:GLU:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:64:TYR:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:65:SER:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:66:ALA:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:67:MET:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:68:ARG:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:69:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:70:GLN:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:71:TYR:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:72:MET:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:73:ARG:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:74:THR:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:75:GLY:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:76:GLU:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:77:GLY:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:78:PHE:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:79:LEU:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	1:B:80:CYS:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	5:B:203:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	5:B:204:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	5:B:205:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	5:B:206:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	5:B:207:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	6:B:208:17F:N1	4	15.82
(1,21)	1:A:184:LYS:HZ1	5:B:209:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	5:B:210:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	5:B:211:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	5:B:212:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	5:B:213:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	6:B:214:17F:N1	4	15.82
(1,21)	1:A:184:LYS:HZ1	6:B:215:17F:N1	4	15.82
(1,21)	1:A:184:LYS:HZ1	5:B:216:7Q9:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:HZ1	5:B:217:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	5:B:218:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ1	6:B:219:17F:N1	4	15.82
(1,21)	1:A:184:LYS:HZ1	5:B:220:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:2:THR:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:3:GLU:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:4:TYR:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:5:LYS:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:6:LEU:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:7:VAL:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:8:VAL:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:9:VAL:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:10:GLY:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:11:ALA:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:12:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:13:GLY:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:14:VAL:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:15:GLY:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:16:LYS:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:17:SER:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:18:ALA:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:19:LEU:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:20:THR:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:21:ILE:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:22:GLN:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:23:LEU:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:24:ILE:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:25:GLN:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:26:ASN:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:27:HIS:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:28:PHE:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:29:VAL:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:30:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:31:GLU:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:32:TYR:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:33:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:34:PRO:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:35:THR:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:36:ILE:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:37:GLU:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:38:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:39:SER:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:HZ2	1:B:40:TYR:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:41:ARG:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:42:LYS:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:43:GLN:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:44:VAL:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:45:VAL:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:46:ILE:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:47:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:48:GLY:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:49:GLU:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:50:THR:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:51:CYS:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:52:LEU:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:53:LEU:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:54:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:55:ILE:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:56:LEU:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:57:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:58:THR:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:59:ALA:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:60:GLY:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:61:GLN:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:62:GLU:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:63:GLU:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:64:TYR:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:65:SER:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:66:ALA:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:67:MET:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:68:ARG:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:69:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:70:GLN:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:71:TYR:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:72:MET:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:73:ARG:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:74:THR:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:75:GLY:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:76:GLU:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:77:GLY:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:78:PHE:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:79:LEU:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	1:B:80:CYS:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	5:B:203:7Q9:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:HZ2	5:B:204:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	5:B:205:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	5:B:206:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	5:B:207:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	6:B:208:17F:N1	4	15.82
(1,21)	1:A:184:LYS:HZ2	5:B:209:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	5:B:210:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	5:B:211:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	5:B:212:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	5:B:213:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	6:B:214:17F:N1	4	15.82
(1,21)	1:A:184:LYS:HZ2	6:B:215:17F:N1	4	15.82
(1,21)	1:A:184:LYS:HZ2	5:B:216:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	5:B:217:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	5:B:218:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ2	6:B:219:17F:N1	4	15.82
(1,21)	1:A:184:LYS:HZ2	5:B:220:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:2:THR:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:3:GLU:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:4:TYR:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:5:LYS:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:6:LEU:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:7:VAL:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:8:VAL:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:9:VAL:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:10:GLY:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:11:ALA:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:12:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:13:GLY:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:14:VAL:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:15:GLY:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:16:LYS:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:17:SER:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:18:ALA:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:19:LEU:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:20:THR:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:21:ILE:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:22:GLN:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:23:LEU:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:24:ILE:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:25:GLN:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:26:ASN:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:HZ3	1:B:27:HIS:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:28:PHE:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:29:VAL:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:30:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:31:GLU:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:32:TYR:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:33:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:34:PRO:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:35:THR:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:36:ILE:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:37:GLU:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:38:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:39:SER:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:40:TYR:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:41:ARG:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:42:LYS:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:43:GLN:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:44:VAL:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:45:VAL:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:46:ILE:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:47:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:48:GLY:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:49:GLU:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:50:THR:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:51:CYS:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:52:LEU:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:53:LEU:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:54:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:55:ILE:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:56:LEU:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:57:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:58:THR:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:59:ALA:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:60:GLY:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:61:GLN:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:62:GLU:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:63:GLU:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:64:TYR:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:65:SER:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:66:ALA:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:67:MET:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:68:ARG:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:HZ3	1:B:69:ASP:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:70:GLN:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:71:TYR:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:72:MET:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:73:ARG:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:74:THR:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:75:GLY:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:76:GLU:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:77:GLY:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:78:PHE:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:79:LEU:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	1:B:80:CYS:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	5:B:203:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	5:B:204:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	5:B:205:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	5:B:206:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	5:B:207:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	6:B:208:17F:N1	4	15.82
(1,21)	1:A:184:LYS:HZ3	5:B:209:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	5:B:210:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	5:B:211:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	5:B:212:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	5:B:213:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	6:B:214:17F:N1	4	15.82
(1,21)	1:A:184:LYS:HZ3	6:B:215:17F:N1	4	15.82
(1,21)	1:A:184:LYS:HZ3	5:B:216:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	5:B:217:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	5:B:218:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:HZ3	6:B:219:17F:N1	4	15.82
(1,21)	1:A:184:LYS:HZ3	5:B:220:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:2:THR:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:3:GLU:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:4:TYR:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:5:LYS:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:6:LEU:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:7:VAL:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:8:VAL:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:9:VAL:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:10:GLY:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:11:ALA:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:12:ASP:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:13:GLY:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:N	1:B:14:VAL:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:15:GLY:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:16:LYS:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:17:SER:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:18:ALA:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:19:LEU:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:20:THR:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:21:ILE:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:22:GLN:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:23:LEU:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:24:ILE:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:25:GLN:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:26:ASN:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:27:HIS:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:28:PHE:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:29:VAL:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:30:ASP:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:31:GLU:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:32:TYR:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:33:ASP:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:34:PRO:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:35:THR:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:36:ILE:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:37:GLU:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:38:ASP:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:39:SER:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:40:TYR:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:41:ARG:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:42:LYS:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:43:GLN:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:44:VAL:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:45:VAL:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:46:ILE:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:47:ASP:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:48:GLY:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:49:GLU:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:50:THR:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:51:CYS:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:52:LEU:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:53:LEU:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:54:ASP:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:55:ILE:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:N	1:B:56:LEU:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:57:ASP:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:58:THR:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:59:ALA:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:60:GLY:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:61:GLN:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:62:GLU:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:63:GLU:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:64:TYR:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:65:SER:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:66:ALA:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:67:MET:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:68:ARG:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:69:ASP:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:70:GLN:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:71:TYR:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:72:MET:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:73:ARG:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:74:THR:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:75:GLY:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:76:GLU:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:77:GLY:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:78:PHE:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:79:LEU:N	4	15.82
(1,21)	1:A:184:LYS:N	1:B:80:CYS:N	4	15.82
(1,21)	1:A:184:LYS:N	5:B:203:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:N	5:B:204:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:N	5:B:205:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:N	5:B:206:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:N	5:B:207:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:N	6:B:208:17F:N1	4	15.82
(1,21)	1:A:184:LYS:N	5:B:209:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:N	5:B:210:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:N	5:B:211:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:N	5:B:212:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:N	5:B:213:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:N	6:B:214:17F:N1	4	15.82
(1,21)	1:A:184:LYS:N	6:B:215:17F:N1	4	15.82
(1,21)	1:A:184:LYS:N	5:B:216:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:N	5:B:217:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:N	5:B:218:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:N	6:B:219:17F:N1	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:N	5:B:220:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:2:THR:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:3:GLU:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:4:TYR:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:5:LYS:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:6:LEU:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:7:VAL:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:8:VAL:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:9:VAL:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:10:GLY:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:11:ALA:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:12:ASP:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:13:GLY:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:14:VAL:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:15:GLY:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:16:LYS:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:17:SER:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:18:ALA:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:19:LEU:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:20:THR:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:21:ILE:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:22:GLN:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:23:LEU:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:24:ILE:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:25:GLN:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:26:ASN:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:27:HIS:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:28:PHE:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:29:VAL:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:30:ASP:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:31:GLU:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:32:TYR:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:33:ASP:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:34:PRO:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:35:THR:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:36:ILE:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:37:GLU:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:38:ASP:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:39:SER:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:40:TYR:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:41:ARG:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:42:LYS:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:NZ	1:B:43:GLN:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:44:VAL:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:45:VAL:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:46:ILE:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:47:ASP:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:48:GLY:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:49:GLU:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:50:THR:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:51:CYS:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:52:LEU:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:53:LEU:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:54:ASP:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:55:ILE:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:56:LEU:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:57:ASP:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:58:THR:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:59:ALA:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:60:GLY:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:61:GLN:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:62:GLU:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:63:GLU:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:64:TYR:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:65:SER:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:66:ALA:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:67:MET:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:68:ARG:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:69:ASP:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:70:GLN:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:71:TYR:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:72:MET:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:73:ARG:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:74:THR:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:75:GLY:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:76:GLU:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:77:GLY:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:78:PHE:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:79:LEU:N	4	15.82
(1,21)	1:A:184:LYS:NZ	1:B:80:CYS:N	4	15.82
(1,21)	1:A:184:LYS:NZ	5:B:203:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:NZ	5:B:204:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:NZ	5:B:205:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:NZ	5:B:206:7Q9:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:NZ	5:B:207:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:NZ	6:B:208:17F:N1	4	15.82
(1,21)	1:A:184:LYS:NZ	5:B:209:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:NZ	5:B:210:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:NZ	5:B:211:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:NZ	5:B:212:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:NZ	5:B:213:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:NZ	6:B:214:17F:N1	4	15.82
(1,21)	1:A:184:LYS:NZ	6:B:215:17F:N1	4	15.82
(1,21)	1:A:184:LYS:NZ	5:B:216:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:NZ	5:B:217:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:NZ	5:B:218:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:NZ	6:B:219:17F:N1	4	15.82
(1,21)	1:A:184:LYS:NZ	5:B:220:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:2:THR:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:3:GLU:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:4:TYR:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:5:LYS:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:6:LEU:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:7:VAL:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:8:VAL:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:9:VAL:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:10:GLY:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:11:ALA:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:12:ASP:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:13:GLY:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:14:VAL:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:15:GLY:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:16:LYS:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:17:SER:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:18:ALA:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:19:LEU:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:20:THR:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:21:ILE:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:22:GLN:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:23:LEU:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:24:ILE:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:25:GLN:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:26:ASN:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:27:HIS:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:28:PHE:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:29:VAL:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:O	1:B:30:ASP:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:31:GLU:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:32:TYR:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:33:ASP:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:34:PRO:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:35:THR:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:36:ILE:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:37:GLU:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:38:ASP:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:39:SER:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:40:TYR:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:41:ARG:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:42:LYS:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:43:GLN:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:44:VAL:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:45:VAL:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:46:ILE:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:47:ASP:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:48:GLY:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:49:GLU:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:50:THR:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:51:CYS:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:52:LEU:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:53:LEU:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:54:ASP:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:55:ILE:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:56:LEU:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:57:ASP:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:58:THR:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:59:ALA:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:60:GLY:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:61:GLN:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:62:GLU:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:63:GLU:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:64:TYR:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:65:SER:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:66:ALA:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:67:MET:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:68:ARG:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:69:ASP:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:70:GLN:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:71:TYR:N	4	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:O	1:B:72:MET:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:73:ARG:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:74:THR:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:75:GLY:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:76:GLU:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:77:GLY:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:78:PHE:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:79:LEU:N	4	15.82
(1,21)	1:A:184:LYS:O	1:B:80:CYS:N	4	15.82
(1,21)	1:A:184:LYS:O	5:B:203:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:O	5:B:204:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:O	5:B:205:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:O	5:B:206:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:O	5:B:207:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:O	6:B:208:17F:N1	4	15.82
(1,21)	1:A:184:LYS:O	5:B:209:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:O	5:B:210:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:O	5:B:211:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:O	5:B:212:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:O	5:B:213:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:O	6:B:214:17F:N1	4	15.82
(1,21)	1:A:184:LYS:O	6:B:215:17F:N1	4	15.82
(1,21)	1:A:184:LYS:O	5:B:216:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:O	5:B:217:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:O	5:B:218:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:O	6:B:219:17F:N1	4	15.82
(1,21)	1:A:184:LYS:O	5:B:220:7Q9:N	4	15.82
(1,21)	1:A:184:LYS:C	1:B:2:THR:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:3:GLU:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:4:TYR:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:5:LYS:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:6:LEU:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:7:VAL:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:8:VAL:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:9:VAL:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:10:GLY:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:11:ALA:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:12:ASP:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:13:GLY:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:14:VAL:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:15:GLY:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:16:LYS:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:C	1:B:17:SER:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:18:ALA:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:19:LEU:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:20:THR:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:21:ILE:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:22:GLN:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:23:LEU:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:24:ILE:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:25:GLN:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:26:ASN:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:27:HIS:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:28:PHE:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:29:VAL:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:30:ASP:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:31:GLU:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:32:TYR:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:33:ASP:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:34:PRO:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:35:THR:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:36:ILE:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:37:GLU:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:38:ASP:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:39:SER:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:40:TYR:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:41:ARG:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:42:LYS:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:43:GLN:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:44:VAL:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:45:VAL:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:46:ILE:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:47:ASP:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:48:GLY:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:49:GLU:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:50:THR:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:51:CYS:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:52:LEU:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:53:LEU:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:54:ASP:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:55:ILE:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:56:LEU:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:57:ASP:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:58:THR:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:C	1:B:59:ALA:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:60:GLY:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:61:GLN:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:62:GLU:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:63:GLU:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:64:TYR:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:65:SER:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:66:ALA:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:67:MET:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:68:ARG:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:69:ASP:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:70:GLN:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:71:TYR:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:72:MET:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:73:ARG:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:74:THR:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:75:GLY:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:76:GLU:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:77:GLY:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:78:PHE:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:79:LEU:N	8	15.55
(1,21)	1:A:184:LYS:C	1:B:80:CYS:N	8	15.55
(1,21)	1:A:184:LYS:C	5:B:203:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:C	5:B:204:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:C	5:B:205:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:C	5:B:206:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:C	5:B:207:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:C	6:B:208:17F:N1	8	15.55
(1,21)	1:A:184:LYS:C	5:B:209:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:C	5:B:210:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:C	5:B:211:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:C	5:B:212:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:C	5:B:213:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:C	6:B:214:17F:N1	8	15.55
(1,21)	1:A:184:LYS:C	6:B:215:17F:N1	8	15.55
(1,21)	1:A:184:LYS:C	5:B:216:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:C	5:B:217:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:C	5:B:218:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:C	6:B:219:17F:N1	8	15.55
(1,21)	1:A:184:LYS:C	5:B:220:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:2:THR:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:3:GLU:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CA	1:B:4:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:5:LYS:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:6:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:7:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:8:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:9:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:10:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:11:ALA:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:12:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:13:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:14:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:15:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:16:LYS:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:17:SER:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:18:ALA:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:19:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:20:THR:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:21:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:22:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:23:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:24:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:25:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:26:ASN:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:27:HIS:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:28:PHE:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:29:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:30:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:31:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:32:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:33:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:34:PRO:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:35:THR:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:36:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:37:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:38:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:39:SER:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:40:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:41:ARG:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:42:LYS:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:43:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:44:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:45:VAL:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CA	1:B:46:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:47:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:48:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:49:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:50:THR:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:51:CYS:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:52:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:53:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:54:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:55:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:56:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:57:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:58:THR:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:59:ALA:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:60:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:61:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:62:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:63:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:64:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:65:SER:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:66:ALA:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:67:MET:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:68:ARG:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:69:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:70:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:71:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:72:MET:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:73:ARG:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:74:THR:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:75:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:76:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:77:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:78:PHE:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:79:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CA	1:B:80:CYS:N	8	15.55
(1,21)	1:A:184:LYS:CA	5:B:203:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CA	5:B:204:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CA	5:B:205:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CA	5:B:206:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CA	5:B:207:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CA	6:B:208:17F:N1	8	15.55
(1,21)	1:A:184:LYS:CA	5:B:209:7Q9:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CA	5:B:210:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CA	5:B:211:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CA	5:B:212:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CA	5:B:213:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CA	6:B:214:17F:N1	8	15.55
(1,21)	1:A:184:LYS:CA	6:B:215:17F:N1	8	15.55
(1,21)	1:A:184:LYS:CA	5:B:216:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CA	5:B:217:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CA	5:B:218:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CA	6:B:219:17F:N1	8	15.55
(1,21)	1:A:184:LYS:CA	5:B:220:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:2:THR:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:3:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:4:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:5:LYS:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:6:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:7:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:8:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:9:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:10:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:11:ALA:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:12:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:13:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:14:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:15:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:16:LYS:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:17:SER:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:18:ALA:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:19:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:20:THR:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:21:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:22:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:23:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:24:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:25:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:26:ASN:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:27:HIS:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:28:PHE:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:29:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:30:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:31:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:32:TYR:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CB	1:B:33:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:34:PRO:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:35:THR:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:36:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:37:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:38:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:39:SER:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:40:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:41:ARG:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:42:LYS:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:43:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:44:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:45:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:46:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:47:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:48:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:49:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:50:THR:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:51:CYS:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:52:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:53:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:54:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:55:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:56:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:57:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:58:THR:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:59:ALA:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:60:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:61:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:62:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:63:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:64:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:65:SER:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:66:ALA:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:67:MET:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:68:ARG:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:69:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:70:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:71:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:72:MET:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:73:ARG:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:74:THR:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CB	1:B:75:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:76:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:77:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:78:PHE:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:79:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CB	1:B:80:CYS:N	8	15.55
(1,21)	1:A:184:LYS:CB	5:B:203:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CB	5:B:204:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CB	5:B:205:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CB	5:B:206:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CB	5:B:207:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CB	6:B:208:17F:N1	8	15.55
(1,21)	1:A:184:LYS:CB	5:B:209:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CB	5:B:210:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CB	5:B:211:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CB	5:B:212:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CB	5:B:213:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CB	6:B:214:17F:N1	8	15.55
(1,21)	1:A:184:LYS:CB	6:B:215:17F:N1	8	15.55
(1,21)	1:A:184:LYS:CB	5:B:216:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CB	5:B:217:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CB	5:B:218:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CB	6:B:219:17F:N1	8	15.55
(1,21)	1:A:184:LYS:CB	5:B:220:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:2:THR:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:3:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:4:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:5:LYS:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:6:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:7:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:8:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:9:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:10:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:11:ALA:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:12:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:13:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:14:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:15:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:16:LYS:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:17:SER:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:18:ALA:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:19:LEU:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CD	1:B:20:THR:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:21:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:22:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:23:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:24:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:25:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:26:ASN:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:27:HIS:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:28:PHE:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:29:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:30:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:31:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:32:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:33:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:34:PRO:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:35:THR:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:36:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:37:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:38:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:39:SER:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:40:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:41:ARG:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:42:LYS:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:43:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:44:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:45:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:46:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:47:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:48:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:49:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:50:THR:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:51:CYS:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:52:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:53:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:54:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:55:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:56:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:57:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:58:THR:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:59:ALA:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:60:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:61:GLN:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CD	1:B:62:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:63:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:64:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:65:SER:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:66:ALA:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:67:MET:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:68:ARG:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:69:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:70:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:71:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:72:MET:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:73:ARG:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:74:THR:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:75:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:76:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:77:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:78:PHE:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:79:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CD	1:B:80:CYS:N	8	15.55
(1,21)	1:A:184:LYS:CD	5:B:203:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CD	5:B:204:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CD	5:B:205:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CD	5:B:206:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CD	5:B:207:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CD	6:B:208:17F:N1	8	15.55
(1,21)	1:A:184:LYS:CD	5:B:209:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CD	5:B:210:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CD	5:B:211:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CD	5:B:212:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CD	5:B:213:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CD	6:B:214:17F:N1	8	15.55
(1,21)	1:A:184:LYS:CD	6:B:215:17F:N1	8	15.55
(1,21)	1:A:184:LYS:CD	5:B:216:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CD	5:B:217:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CD	5:B:218:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CD	6:B:219:17F:N1	8	15.55
(1,21)	1:A:184:LYS:CD	5:B:220:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:2:THR:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:3:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:4:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:5:LYS:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:6:LEU:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CE	1:B:7:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:8:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:9:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:10:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:11:ALA:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:12:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:13:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:14:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:15:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:16:LYS:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:17:SER:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:18:ALA:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:19:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:20:THR:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:21:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:22:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:23:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:24:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:25:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:26:ASN:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:27:HIS:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:28:PHE:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:29:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:30:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:31:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:32:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:33:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:34:PRO:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:35:THR:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:36:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:37:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:38:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:39:SER:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:40:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:41:ARG:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:42:LYS:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:43:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:44:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:45:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:46:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:47:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:48:GLY:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CE	1:B:49:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:50:THR:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:51:CYS:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:52:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:53:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:54:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:55:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:56:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:57:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:58:THR:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:59:ALA:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:60:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:61:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:62:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:63:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:64:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:65:SER:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:66:ALA:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:67:MET:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:68:ARG:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:69:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:70:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:71:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:72:MET:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:73:ARG:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:74:THR:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:75:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:76:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:77:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:78:PHE:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:79:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CE	1:B:80:CYS:N	8	15.55
(1,21)	1:A:184:LYS:CE	5:B:203:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CE	5:B:204:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CE	5:B:205:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CE	5:B:206:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CE	5:B:207:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CE	6:B:208:17F:N1	8	15.55
(1,21)	1:A:184:LYS:CE	5:B:209:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CE	5:B:210:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CE	5:B:211:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CE	5:B:212:7Q9:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CE	5:B:213:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CE	6:B:214:17F:N1	8	15.55
(1,21)	1:A:184:LYS:CE	6:B:215:17F:N1	8	15.55
(1,21)	1:A:184:LYS:CE	5:B:216:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CE	5:B:217:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CE	5:B:218:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CE	6:B:219:17F:N1	8	15.55
(1,21)	1:A:184:LYS:CE	5:B:220:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:2:THR:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:3:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:4:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:5:LYS:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:6:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:7:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:8:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:9:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:10:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:11:ALA:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:12:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:13:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:14:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:15:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:16:LYS:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:17:SER:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:18:ALA:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:19:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:20:THR:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:21:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:22:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:23:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:24:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:25:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:26:ASN:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:27:HIS:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:28:PHE:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:29:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:30:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:31:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:32:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:33:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:34:PRO:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:35:THR:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CG	1:B:36:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:37:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:38:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:39:SER:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:40:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:41:ARG:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:42:LYS:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:43:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:44:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:45:VAL:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:46:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:47:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:48:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:49:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:50:THR:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:51:CYS:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:52:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:53:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:54:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:55:ILE:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:56:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:57:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:58:THR:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:59:ALA:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:60:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:61:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:62:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:63:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:64:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:65:SER:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:66:ALA:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:67:MET:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:68:ARG:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:69:ASP:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:70:GLN:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:71:TYR:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:72:MET:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:73:ARG:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:74:THR:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:75:GLY:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:76:GLU:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:77:GLY:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:CG	1:B:78:PHE:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:79:LEU:N	8	15.55
(1,21)	1:A:184:LYS:CG	1:B:80:CYS:N	8	15.55
(1,21)	1:A:184:LYS:CG	5:B:203:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CG	5:B:204:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CG	5:B:205:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CG	5:B:206:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CG	5:B:207:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CG	6:B:208:17F:N1	8	15.55
(1,21)	1:A:184:LYS:CG	5:B:209:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CG	5:B:210:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CG	5:B:211:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CG	5:B:212:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CG	5:B:213:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CG	6:B:214:17F:N1	8	15.55
(1,21)	1:A:184:LYS:CG	6:B:215:17F:N1	8	15.55
(1,21)	1:A:184:LYS:CG	5:B:216:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CG	5:B:217:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CG	5:B:218:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:CG	6:B:219:17F:N1	8	15.55
(1,21)	1:A:184:LYS:CG	5:B:220:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:2:THR:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:3:GLU:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:4:TYR:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:5:LYS:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:6:LEU:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:7:VAL:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:8:VAL:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:9:VAL:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:10:GLY:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:11:ALA:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:12:ASP:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:13:GLY:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:14:VAL:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:15:GLY:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:16:LYS:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:17:SER:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:18:ALA:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:19:LEU:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:20:THR:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:21:ILE:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:22:GLN:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:H	1:B:23:LEU:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:24:ILE:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:25:GLN:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:26:ASN:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:27:HIS:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:28:PHE:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:29:VAL:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:30:ASP:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:31:GLU:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:32:TYR:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:33:ASP:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:34:PRO:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:35:THR:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:36:ILE:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:37:GLU:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:38:ASP:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:39:SER:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:40:TYR:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:41:ARG:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:42:LYS:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:43:GLN:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:44:VAL:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:45:VAL:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:46:ILE:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:47:ASP:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:48:GLY:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:49:GLU:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:50:THR:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:51:CYS:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:52:LEU:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:53:LEU:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:54:ASP:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:55:ILE:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:56:LEU:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:57:ASP:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:58:THR:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:59:ALA:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:60:GLY:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:61:GLN:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:62:GLU:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:63:GLU:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:64:TYR:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:H	1:B:65:SER:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:66:ALA:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:67:MET:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:68:ARG:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:69:ASP:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:70:GLN:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:71:TYR:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:72:MET:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:73:ARG:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:74:THR:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:75:GLY:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:76:GLU:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:77:GLY:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:78:PHE:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:79:LEU:N	8	15.55
(1,21)	1:A:184:LYS:H	1:B:80:CYS:N	8	15.55
(1,21)	1:A:184:LYS:H	5:B:203:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:H	5:B:204:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:H	5:B:205:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:H	5:B:206:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:H	5:B:207:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:H	6:B:208:17F:N1	8	15.55
(1,21)	1:A:184:LYS:H	5:B:209:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:H	5:B:210:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:H	5:B:211:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:H	5:B:212:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:H	5:B:213:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:H	6:B:214:17F:N1	8	15.55
(1,21)	1:A:184:LYS:H	6:B:215:17F:N1	8	15.55
(1,21)	1:A:184:LYS:H	5:B:216:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:H	5:B:217:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:H	5:B:218:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:H	6:B:219:17F:N1	8	15.55
(1,21)	1:A:184:LYS:H	5:B:220:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:2:THR:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:3:GLU:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:4:TYR:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:5:LYS:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:6:LEU:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:7:VAL:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:8:VAL:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:9:VAL:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:HZ1	1:B:10:GLY:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:11:ALA:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:12:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:13:GLY:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:14:VAL:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:15:GLY:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:16:LYS:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:17:SER:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:18:ALA:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:19:LEU:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:20:THR:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:21:ILE:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:22:GLN:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:23:LEU:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:24:ILE:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:25:GLN:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:26:ASN:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:27:HIS:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:28:PHE:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:29:VAL:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:30:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:31:GLU:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:32:TYR:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:33:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:34:PRO:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:35:THR:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:36:ILE:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:37:GLU:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:38:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:39:SER:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:40:TYR:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:41:ARG:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:42:LYS:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:43:GLN:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:44:VAL:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:45:VAL:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:46:ILE:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:47:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:48:GLY:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:49:GLU:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:50:THR:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:51:CYS:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:HZ1	1:B:52:LEU:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:53:LEU:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:54:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:55:ILE:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:56:LEU:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:57:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:58:THR:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:59:ALA:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:60:GLY:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:61:GLN:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:62:GLU:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:63:GLU:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:64:TYR:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:65:SER:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:66:ALA:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:67:MET:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:68:ARG:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:69:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:70:GLN:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:71:TYR:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:72:MET:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:73:ARG:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:74:THR:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:75:GLY:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:76:GLU:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:77:GLY:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:78:PHE:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:79:LEU:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	1:B:80:CYS:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	5:B:203:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	5:B:204:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	5:B:205:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	5:B:206:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	5:B:207:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	6:B:208:17F:N1	8	15.55
(1,21)	1:A:184:LYS:HZ1	5:B:209:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	5:B:210:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	5:B:211:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	5:B:212:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	5:B:213:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	6:B:214:17F:N1	8	15.55
(1,21)	1:A:184:LYS:HZ1	6:B:215:17F:N1	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:HZ1	5:B:216:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	5:B:217:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	5:B:218:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ1	6:B:219:17F:N1	8	15.55
(1,21)	1:A:184:LYS:HZ1	5:B:220:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:2:THR:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:3:GLU:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:4:TYR:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:5:LYS:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:6:LEU:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:7:VAL:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:8:VAL:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:9:VAL:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:10:GLY:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:11:ALA:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:12:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:13:GLY:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:14:VAL:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:15:GLY:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:16:LYS:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:17:SER:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:18:ALA:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:19:LEU:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:20:THR:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:21:ILE:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:22:GLN:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:23:LEU:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:24:ILE:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:25:GLN:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:26:ASN:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:27:HIS:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:28:PHE:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:29:VAL:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:30:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:31:GLU:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:32:TYR:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:33:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:34:PRO:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:35:THR:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:36:ILE:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:37:GLU:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:38:ASP:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:HZ2	1:B:39:SER:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:40:TYR:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:41:ARG:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:42:LYS:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:43:GLN:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:44:VAL:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:45:VAL:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:46:ILE:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:47:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:48:GLY:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:49:GLU:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:50:THR:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:51:CYS:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:52:LEU:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:53:LEU:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:54:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:55:ILE:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:56:LEU:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:57:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:58:THR:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:59:ALA:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:60:GLY:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:61:GLN:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:62:GLU:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:63:GLU:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:64:TYR:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:65:SER:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:66:ALA:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:67:MET:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:68:ARG:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:69:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:70:GLN:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:71:TYR:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:72:MET:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:73:ARG:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:74:THR:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:75:GLY:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:76:GLU:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:77:GLY:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:78:PHE:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:79:LEU:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	1:B:80:CYS:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:HZ2	5:B:203:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	5:B:204:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	5:B:205:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	5:B:206:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	5:B:207:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	6:B:208:17F:N1	8	15.55
(1,21)	1:A:184:LYS:HZ2	5:B:209:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	5:B:210:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	5:B:211:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	5:B:212:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	5:B:213:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	6:B:214:17F:N1	8	15.55
(1,21)	1:A:184:LYS:HZ2	6:B:215:17F:N1	8	15.55
(1,21)	1:A:184:LYS:HZ2	5:B:216:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	5:B:217:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	5:B:218:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ2	6:B:219:17F:N1	8	15.55
(1,21)	1:A:184:LYS:HZ2	5:B:220:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:2:THR:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:3:GLU:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:4:TYR:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:5:LYS:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:6:LEU:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:7:VAL:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:8:VAL:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:9:VAL:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:10:GLY:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:11:ALA:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:12:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:13:GLY:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:14:VAL:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:15:GLY:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:16:LYS:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:17:SER:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:18:ALA:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:19:LEU:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:20:THR:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:21:ILE:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:22:GLN:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:23:LEU:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:24:ILE:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:25:GLN:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:HZ3	1:B:26:ASN:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:27:HIS:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:28:PHE:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:29:VAL:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:30:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:31:GLU:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:32:TYR:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:33:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:34:PRO:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:35:THR:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:36:ILE:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:37:GLU:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:38:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:39:SER:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:40:TYR:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:41:ARG:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:42:LYS:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:43:GLN:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:44:VAL:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:45:VAL:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:46:ILE:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:47:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:48:GLY:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:49:GLU:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:50:THR:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:51:CYS:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:52:LEU:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:53:LEU:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:54:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:55:ILE:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:56:LEU:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:57:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:58:THR:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:59:ALA:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:60:GLY:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:61:GLN:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:62:GLU:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:63:GLU:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:64:TYR:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:65:SER:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:66:ALA:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:67:MET:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:HZ3	1:B:68:ARG:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:69:ASP:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:70:GLN:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:71:TYR:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:72:MET:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:73:ARG:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:74:THR:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:75:GLY:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:76:GLU:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:77:GLY:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:78:PHE:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:79:LEU:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	1:B:80:CYS:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	5:B:203:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	5:B:204:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	5:B:205:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	5:B:206:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	5:B:207:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	6:B:208:17F:N1	8	15.55
(1,21)	1:A:184:LYS:HZ3	5:B:209:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	5:B:210:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	5:B:211:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	5:B:212:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	5:B:213:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	6:B:214:17F:N1	8	15.55
(1,21)	1:A:184:LYS:HZ3	6:B:215:17F:N1	8	15.55
(1,21)	1:A:184:LYS:HZ3	5:B:216:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	5:B:217:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	5:B:218:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:HZ3	6:B:219:17F:N1	8	15.55
(1,21)	1:A:184:LYS:HZ3	5:B:220:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:2:THR:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:3:GLU:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:4:TYR:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:5:LYS:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:6:LEU:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:7:VAL:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:8:VAL:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:9:VAL:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:10:GLY:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:11:ALA:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:12:ASP:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:N	1:B:13:GLY:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:14:VAL:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:15:GLY:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:16:LYS:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:17:SER:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:18:ALA:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:19:LEU:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:20:THR:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:21:ILE:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:22:GLN:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:23:LEU:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:24:ILE:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:25:GLN:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:26:ASN:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:27:HIS:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:28:PHE:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:29:VAL:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:30:ASP:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:31:GLU:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:32:TYR:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:33:ASP:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:34:PRO:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:35:THR:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:36:ILE:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:37:GLU:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:38:ASP:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:39:SER:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:40:TYR:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:41:ARG:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:42:LYS:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:43:GLN:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:44:VAL:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:45:VAL:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:46:ILE:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:47:ASP:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:48:GLY:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:49:GLU:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:50:THR:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:51:CYS:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:52:LEU:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:53:LEU:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:54:ASP:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:N	1:B:55:ILE:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:56:LEU:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:57:ASP:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:58:THR:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:59:ALA:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:60:GLY:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:61:GLN:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:62:GLU:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:63:GLU:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:64:TYR:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:65:SER:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:66:ALA:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:67:MET:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:68:ARG:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:69:ASP:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:70:GLN:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:71:TYR:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:72:MET:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:73:ARG:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:74:THR:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:75:GLY:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:76:GLU:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:77:GLY:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:78:PHE:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:79:LEU:N	8	15.55
(1,21)	1:A:184:LYS:N	1:B:80:CYS:N	8	15.55
(1,21)	1:A:184:LYS:N	5:B:203:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:N	5:B:204:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:N	5:B:205:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:N	5:B:206:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:N	5:B:207:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:N	6:B:208:17F:N1	8	15.55
(1,21)	1:A:184:LYS:N	5:B:209:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:N	5:B:210:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:N	5:B:211:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:N	5:B:212:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:N	5:B:213:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:N	6:B:214:17F:N1	8	15.55
(1,21)	1:A:184:LYS:N	6:B:215:17F:N1	8	15.55
(1,21)	1:A:184:LYS:N	5:B:216:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:N	5:B:217:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:N	5:B:218:7Q9:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:N	6:B:219:17F:N1	8	15.55
(1,21)	1:A:184:LYS:N	5:B:220:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:2:THR:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:3:GLU:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:4:TYR:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:5:LYS:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:6:LEU:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:7:VAL:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:8:VAL:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:9:VAL:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:10:GLY:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:11:ALA:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:12:ASP:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:13:GLY:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:14:VAL:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:15:GLY:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:16:LYS:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:17:SER:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:18:ALA:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:19:LEU:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:20:THR:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:21:ILE:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:22:GLN:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:23:LEU:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:24:ILE:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:25:GLN:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:26:ASN:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:27:HIS:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:28:PHE:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:29:VAL:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:30:ASP:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:31:GLU:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:32:TYR:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:33:ASP:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:34:PRO:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:35:THR:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:36:ILE:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:37:GLU:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:38:ASP:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:39:SER:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:40:TYR:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:41:ARG:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:NZ	1:B:42:LYS:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:43:GLN:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:44:VAL:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:45:VAL:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:46:ILE:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:47:ASP:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:48:GLY:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:49:GLU:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:50:THR:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:51:CYS:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:52:LEU:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:53:LEU:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:54:ASP:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:55:ILE:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:56:LEU:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:57:ASP:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:58:THR:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:59:ALA:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:60:GLY:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:61:GLN:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:62:GLU:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:63:GLU:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:64:TYR:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:65:SER:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:66:ALA:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:67:MET:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:68:ARG:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:69:ASP:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:70:GLN:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:71:TYR:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:72:MET:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:73:ARG:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:74:THR:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:75:GLY:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:76:GLU:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:77:GLY:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:78:PHE:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:79:LEU:N	8	15.55
(1,21)	1:A:184:LYS:NZ	1:B:80:CYS:N	8	15.55
(1,21)	1:A:184:LYS:NZ	5:B:203:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:NZ	5:B:204:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:NZ	5:B:205:7Q9:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:NZ	5:B:206:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:NZ	5:B:207:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:NZ	6:B:208:17F:N1	8	15.55
(1,21)	1:A:184:LYS:NZ	5:B:209:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:NZ	5:B:210:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:NZ	5:B:211:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:NZ	5:B:212:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:NZ	5:B:213:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:NZ	6:B:214:17F:N1	8	15.55
(1,21)	1:A:184:LYS:NZ	6:B:215:17F:N1	8	15.55
(1,21)	1:A:184:LYS:NZ	5:B:216:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:NZ	5:B:217:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:NZ	5:B:218:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:NZ	6:B:219:17F:N1	8	15.55
(1,21)	1:A:184:LYS:NZ	5:B:220:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:2:THR:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:3:GLU:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:4:TYR:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:5:LYS:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:6:LEU:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:7:VAL:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:8:VAL:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:9:VAL:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:10:GLY:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:11:ALA:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:12:ASP:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:13:GLY:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:14:VAL:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:15:GLY:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:16:LYS:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:17:SER:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:18:ALA:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:19:LEU:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:20:THR:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:21:ILE:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:22:GLN:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:23:LEU:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:24:ILE:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:25:GLN:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:26:ASN:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:27:HIS:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:28:PHE:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:O	1:B:29:VAL:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:30:ASP:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:31:GLU:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:32:TYR:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:33:ASP:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:34:PRO:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:35:THR:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:36:ILE:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:37:GLU:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:38:ASP:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:39:SER:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:40:TYR:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:41:ARG:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:42:LYS:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:43:GLN:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:44:VAL:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:45:VAL:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:46:ILE:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:47:ASP:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:48:GLY:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:49:GLU:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:50:THR:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:51:CYS:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:52:LEU:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:53:LEU:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:54:ASP:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:55:ILE:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:56:LEU:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:57:ASP:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:58:THR:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:59:ALA:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:60:GLY:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:61:GLN:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:62:GLU:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:63:GLU:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:64:TYR:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:65:SER:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:66:ALA:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:67:MET:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:68:ARG:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:69:ASP:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:70:GLN:N	8	15.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:184:LYS:O	1:B:71:TYR:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:72:MET:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:73:ARG:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:74:THR:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:75:GLY:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:76:GLU:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:77:GLY:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:78:PHE:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:79:LEU:N	8	15.55
(1,21)	1:A:184:LYS:O	1:B:80:CYS:N	8	15.55
(1,21)	1:A:184:LYS:O	5:B:203:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:O	5:B:204:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:O	5:B:205:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:O	5:B:206:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:O	5:B:207:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:O	6:B:208:17F:N1	8	15.55
(1,21)	1:A:184:LYS:O	5:B:209:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:O	5:B:210:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:O	5:B:211:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:O	5:B:212:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:O	5:B:213:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:O	6:B:214:17F:N1	8	15.55
(1,21)	1:A:184:LYS:O	6:B:215:17F:N1	8	15.55
(1,21)	1:A:184:LYS:O	5:B:216:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:O	5:B:217:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:O	5:B:218:7Q9:N	8	15.55
(1,21)	1:A:184:LYS:O	6:B:219:17F:N1	8	15.55
(1,21)	1:A:184:LYS:O	5:B:220:7Q9:N	8	15.55
(1,19)	1:A:39:SER:OG	1:B:163:ILE:CD1	10	15.37
(1,7)	1:B:169:LYS:CG	1:A:5:LYS:N	3	15.35
(1,19)	1:A:39:SER:OG	1:B:163:ILE:CD1	14	15.21
(1,7)	1:B:169:LYS:CG	1:A:5:LYS:N	15	15.2
(1,4)	1:B:118:CYS:SG	1:A:42:LYS:N	2	15.2
(1,4)	1:B:118:CYS:SG	1:A:42:LYS:N	12	15.13
(1,5)	1:B:169:LYS:CG	1:A:36:ILE:CD1	7	15.12

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found