



Full wwPDB NMR Structure Validation Report ⓘ

Sep 15, 2021 – 06:56 PM EDT

PDB ID : 7RSC
Title : NMR-driven structure of the KRAS4B-G12D "alpha-alpha" 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 Full wwPDB NMR Structure Validation Report for a publicly released PDB entry.

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The following versions of software and data (see [references ⓘ](#)) 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)
RCI : v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV : Wang et al. (2010)
ShiftChecker : 2.23.1
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.23.1

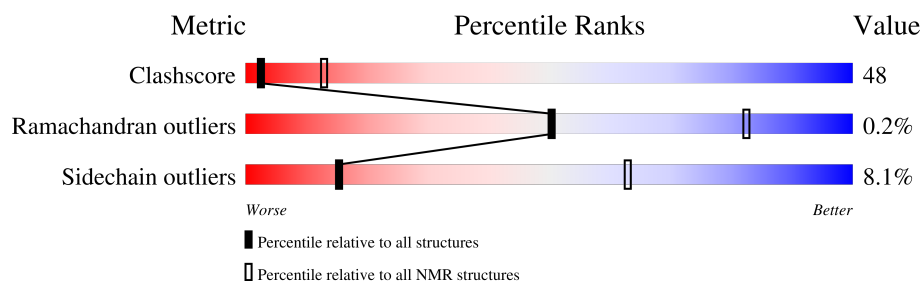
1 Overall quality at a glance

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 $\leq 5\%$

Mol	Chain	Length	Quality of chain
1	A	185	
1	B	185	
2	D	200	
2	E	200	

2 Ensemble composition and analysis

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

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:2-A:167, B:2-B:167 (332)	0.57	6
2	D:256-D:441, E:555-E:741 (373)	0.23	5

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 4 clusters. No single-model clusters were found.

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

3 Entry composition

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

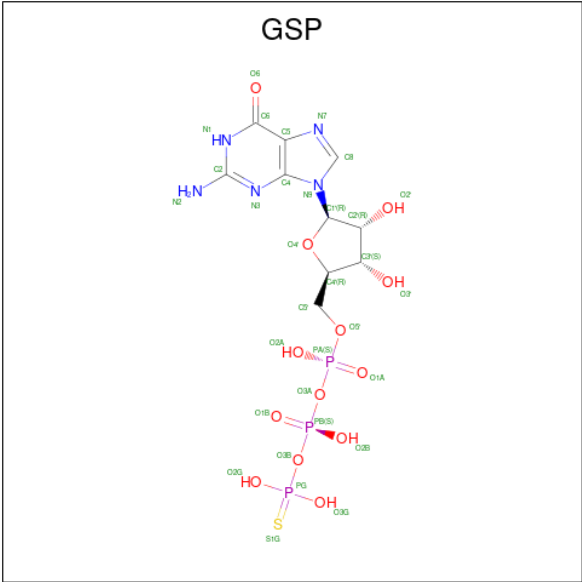
- Molecule 2 is a protein called Apolipoprotein A-I.

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: C₁₀H₁₆N₅O₁₃P₃S) (labeled as "Ligand of Interest" by depositor).

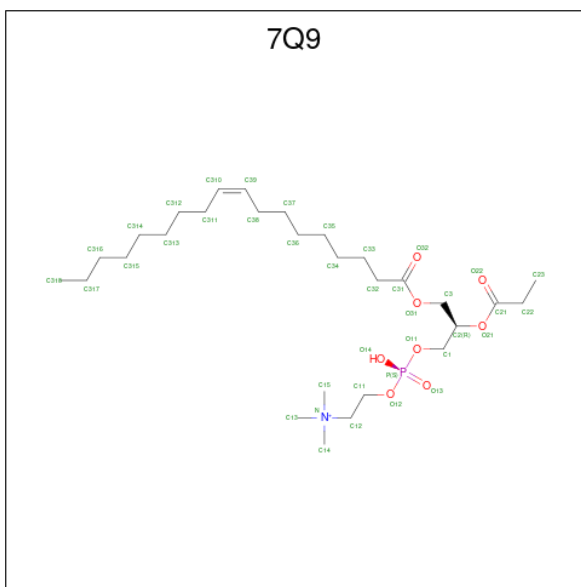


Mol	Chain	Residues	Atoms						
			Total	C	H	N	O	P	S
3	A	1	38	10	6	5	13	3	1
3	B	1	38	10	6	5	13	3	1

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

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

- Molecule 5 is [(2 {R})-3-[oxidanyl-2-(trimethyl- $\text{S}^{\text{I}}\{4\}$ -azanyl)ethoxy]phosphoryl]oxy-2-propanoyloxy-propyl] ({Z})-octadec-9-enoate (three-letter code: 7Q9) (formula: $\text{C}_{29}\text{H}_{57}\text{NO}_8\text{P}$) (labeled as "Ligand of Interest" by depositor).

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

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

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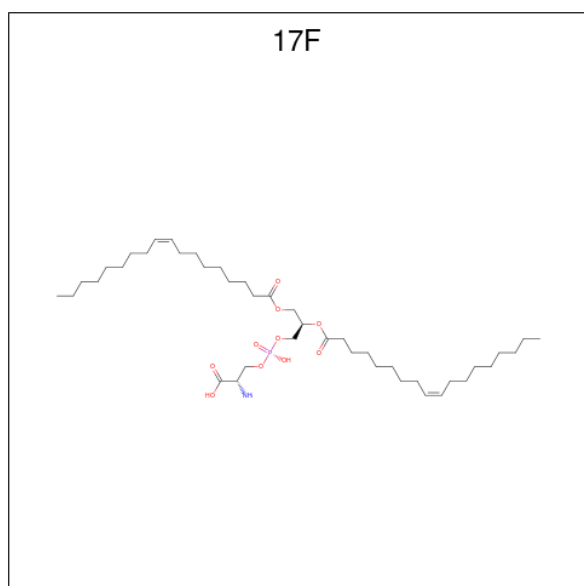
Mol	Chain	Residues	Atoms				
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			39	29	1	8	1
5	E	1	Total	C	N	O	P
			39	29	1	8	1
5	E	1	Total	C	N	O	P
			39	29	1	8	1
5	E	1	Total	C	N	O	P
			39	29	1	8	1
5	E	1	Total	C	N	O	P
			39	29	1	8	1
5	E	1	Total	C	N	O	P
			39	29	1	8	1
5	E	1	Total	C	N	O	P
			39	29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

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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

- Molecule 6 is O-[(S)-({(2R)-2,3-bis[(9Z)-octadec-9-enoyloxy]propyl}oxy)(hydroxy)phosphoryl]-L-serine (three-letter code: 17F) (formula: C₄₂H₇₈NO₁₀P) (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	A	1	Total	C	H	N	O	P
			57	42	3	1	10	1
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	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

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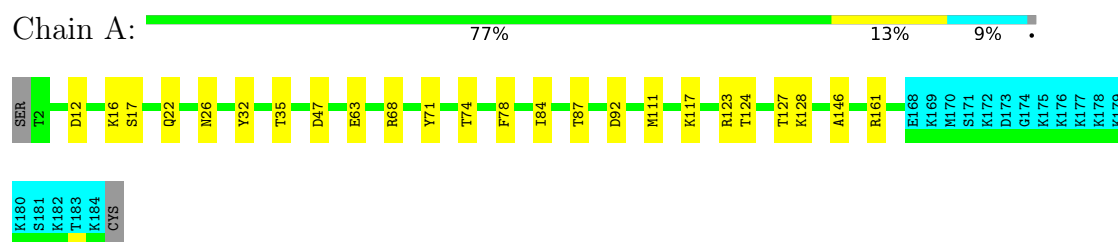
Mol	Chain	Residues	Atoms					
6	E	1	Total	C	H	N	O	P
			57	42	3	1	10	1
6	E	1	Total	C	H	N	O	P
			57	42	3	1	10	1
6	E	1	Total	C	H	N	O	P
			57	42	3	1	10	1
6	E	1	Total	C	H	N	O	P
			57	42	3	1	10	1
6	E	1	Total	C	H	N	O	P
			57	42	3	1	10	1
6	E	1	Total	C	H	N	O	P
			57	42	3	1	10	1
6	E	1	Total	C	H	N	O	P
			57	42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

4 Residue-property plots

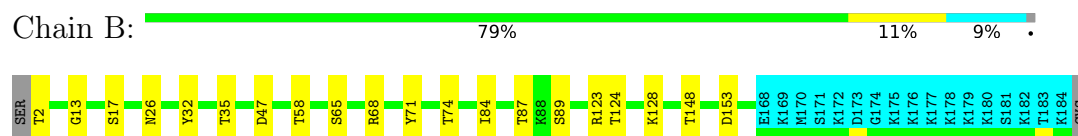
4.1 Average score per residue in the NMR ensemble

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.

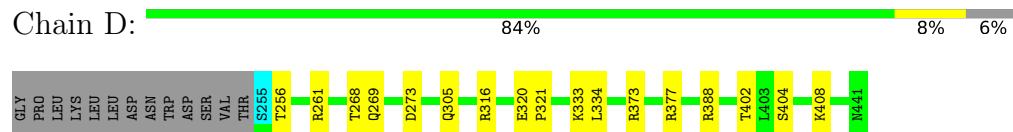
• Molecule 1: GTPase KRas



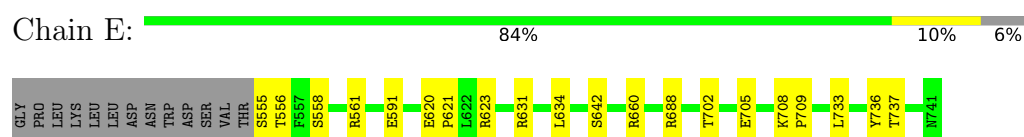
• Molecule 1: GTPase KRas



• Molecule 2: Apolipoprotein A-I



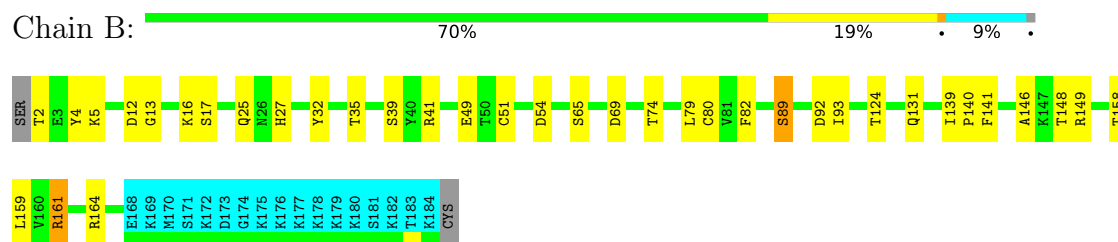
• Molecule 2: Apolipoprotein A-I



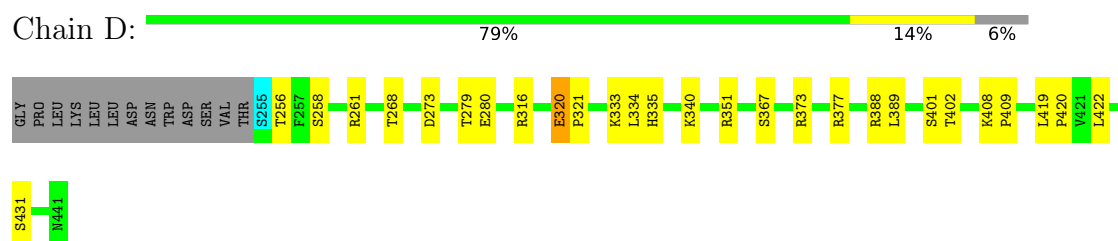
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

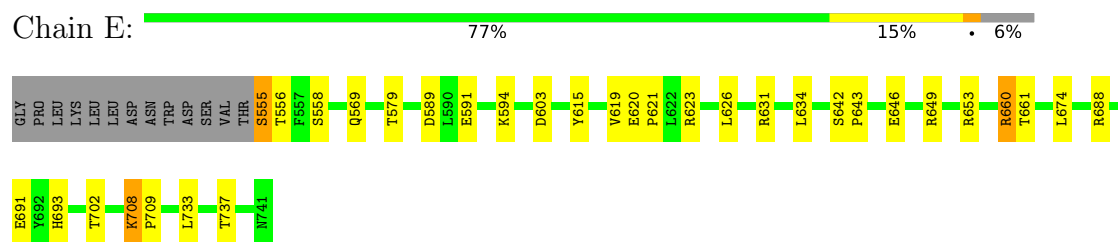
- Molecule 1: GTPase KRas



- Molecule 2: Apolipoprotein A-I

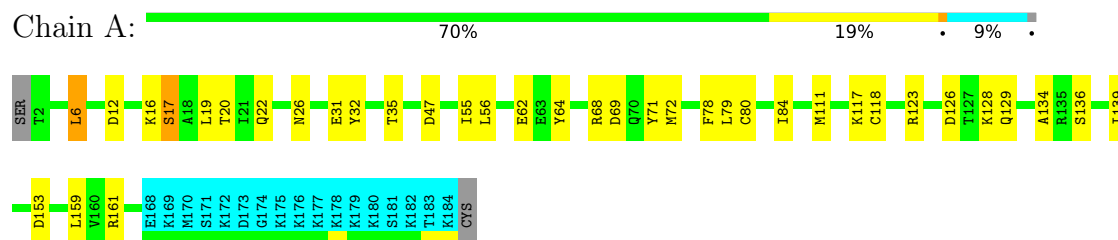


- Molecule 2: Apolipoprotein A-I

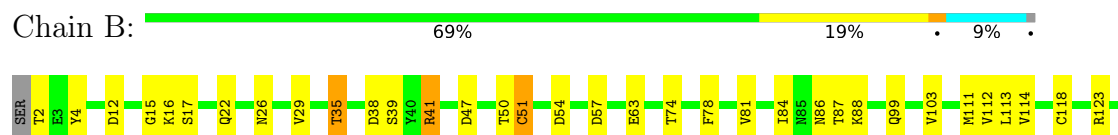


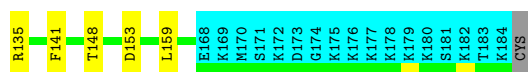
4.2.3 Score per residue for model 3

- Molecule 1: GTPase KRas



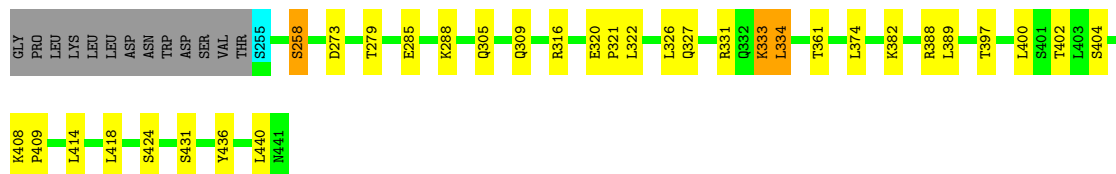
- Molecule 1: GTPase KRas





• Molecule 2: Apolipoprotein A-I

Chain D: 76% 15% 6%



• Molecule 2: Apolipoprotein A-I

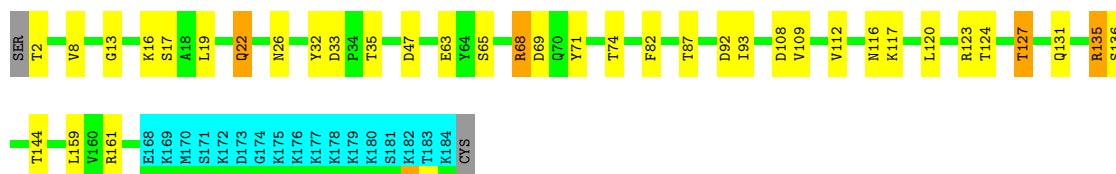
Chain E: 80% 13% 6%



4.2.4 Score per residue for model 4

• Molecule 1: GTPase KRas

Chain A: 70% 18% 9%



• Molecule 1: GTPase KRas

Chain B: 71% 18% 9%



• Molecule 2: Apolipoprotein A-I

Chain D: 78% 14% 6%





• Molecule 2: Apolipoprotein A-I

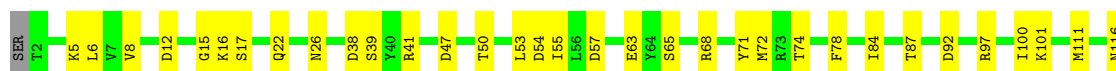
Chain E: 78% 14% 6%



4.2.5 Score per residue for model 5 (medoid)

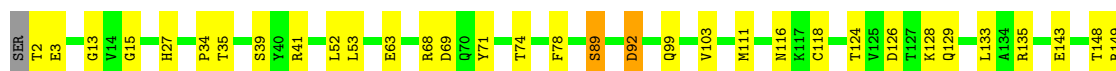
• Molecule 1: GTPase KRas

Chain A: 65% 24% 9%



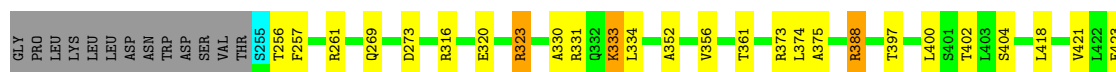
• Molecule 1: GTPase KRas

Chain B: 71% 17% 9%



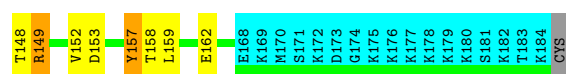
• Molecule 2: Apolipoprotein A-I

Chain D: 78% 14% 6%



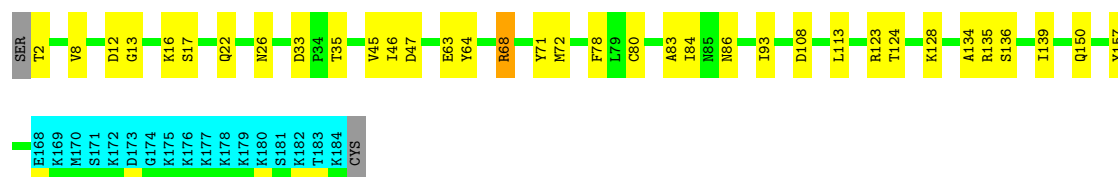
• Molecule 2: Apolipoprotein A-I

Chain E: 83% 10% 6%



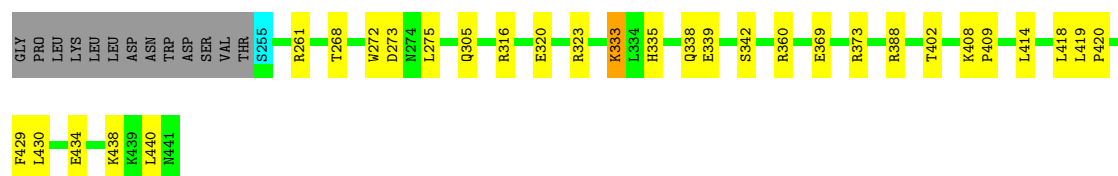
• Molecule 1: GTPase KRas

Chain B: 71% 18% 9%



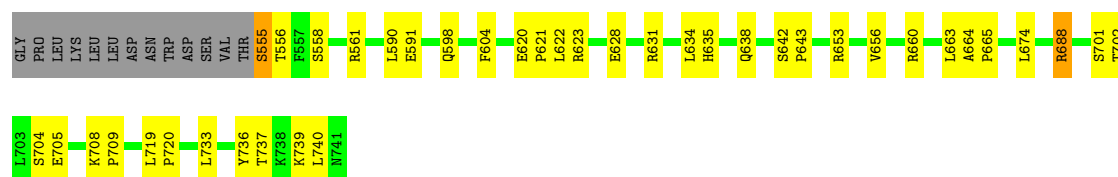
• Molecule 2: Apolipoprotein A-I

Chain D: 78% 14% 6%



• Molecule 2: Apolipoprotein A-I

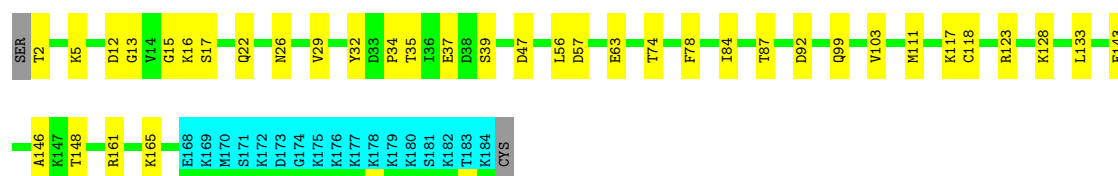
Chain E: 74% 19% 6%



4.2.8 Score per residue for model 8

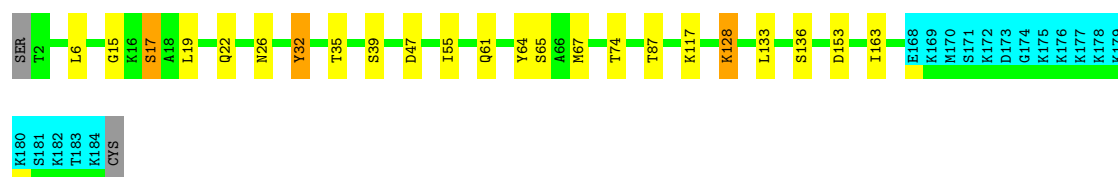
• Molecule 1: GTPase KRas

Chain A: 70% 20% 9%



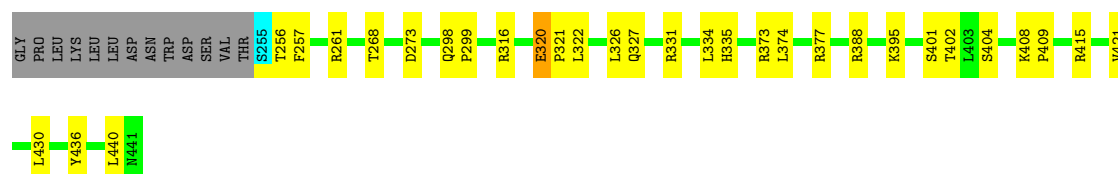
• Molecule 1: GTPase KRas

Chain B: 77% 11% 9%



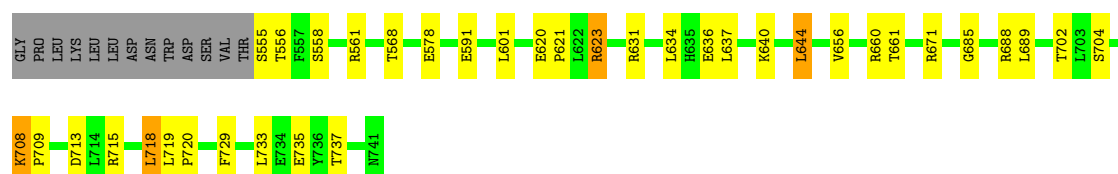
- Molecule 2: Apolipoprotein A-I

Chain D: 78% 15% 6%



- Molecule 2: Apolipoprotein A-I

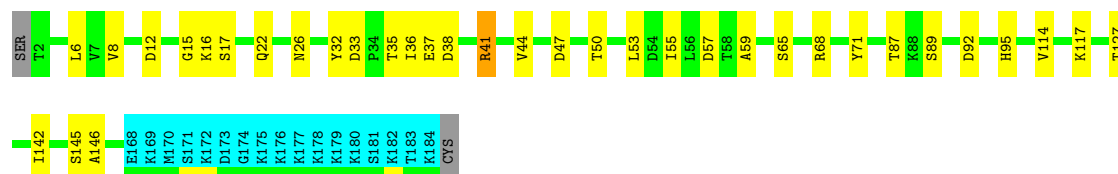
Chain E: 75% 16% 6%



4.2.9 Score per residue for model 9

- Molecule 1: GTPase KRas

Chain A: 71% 18% 9%




- Molecule 1: GTPase KRas

Chain B: 72% 16% 9%




- Molecule 2: Apolipoprotein A-I

Chain D: 



• Molecule 2: Apolipoprotein A-I

Chain E: 



4.2.10 Score per residue for model 10

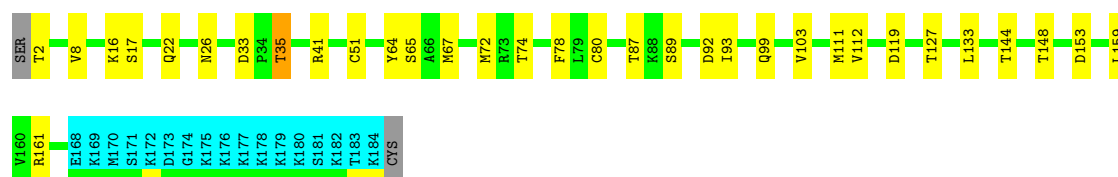
• Molecule 1: GTPase KRas

Chain A: 




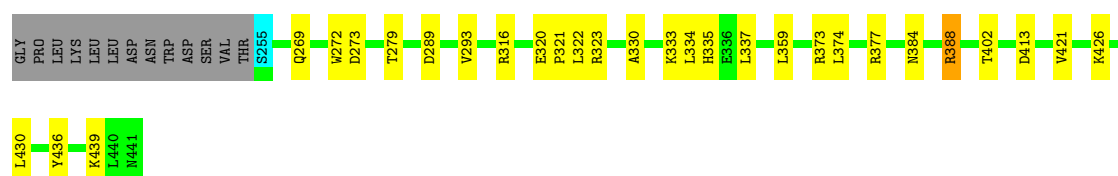
• Molecule 1: GTPase KRas

Chain B: 




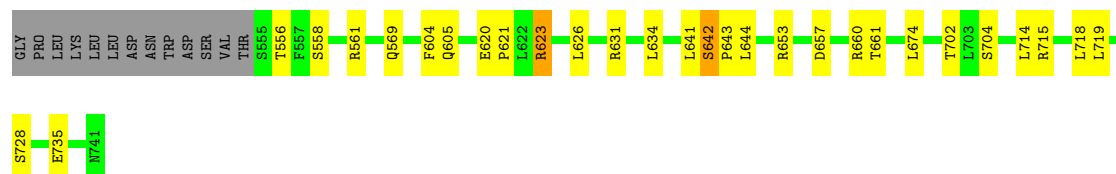
• Molecule 2: Apolipoprotein A-I

Chain D: 



- Molecule 2: Apolipoprotein A-I

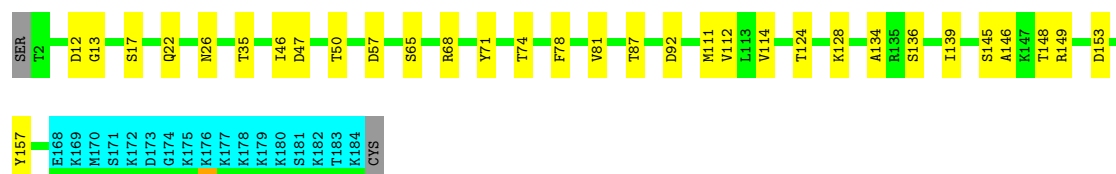
Chain E: 



4.2.11 Score per residue for model 11

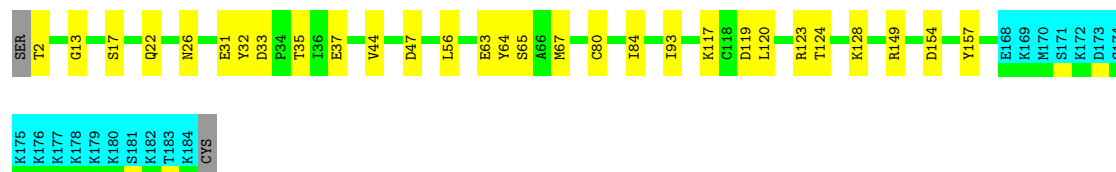
- Molecule 1: GTPase KRas

Chain A: 




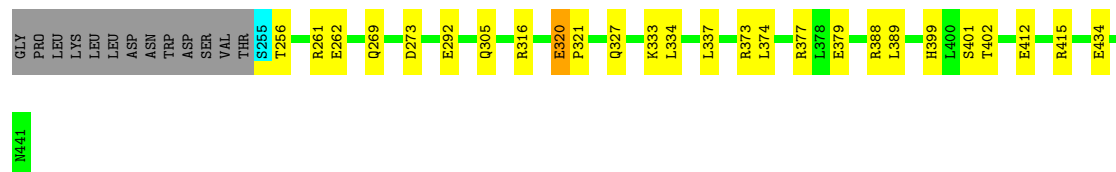
- Molecule 1: GTPase KRas

Chain B: 




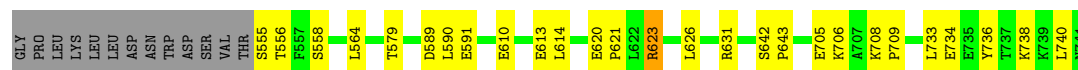
- Molecule 2: Apolipoprotein A-I

Chain D: 



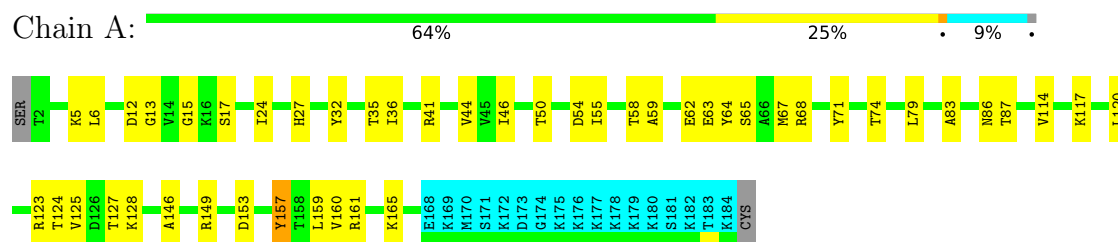
- Molecule 2: Apolipoprotein A-I

Chain E: 

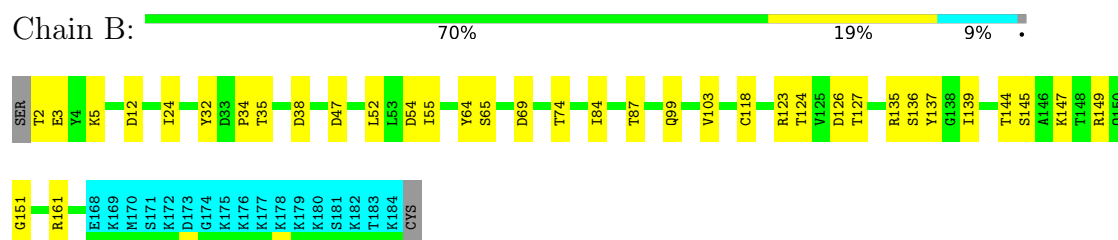


4.2.12 Score per residue for model 12

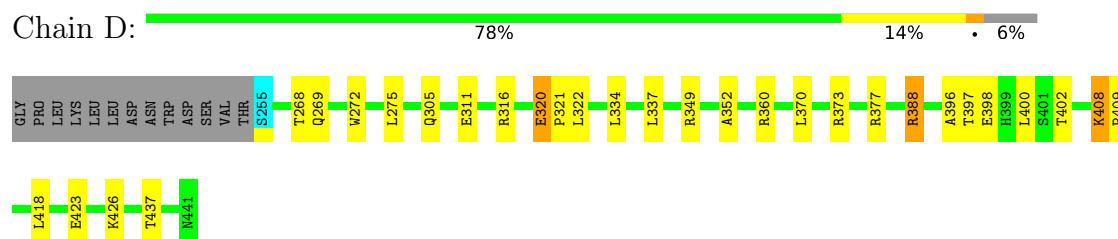
- Molecule 1: GTPase KRas



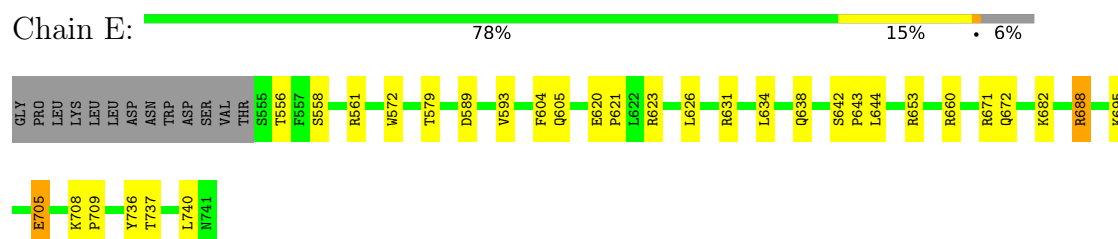
- Molecule 1: GTPase KRas



- Molecule 2: Apolipoprotein A-I

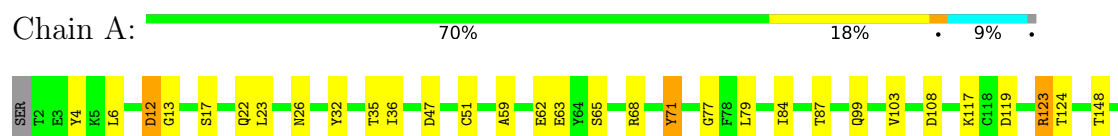


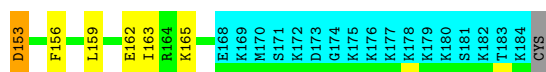
- Molecule 2: Apolipoprotein A-I



4.2.13 Score per residue for model 13

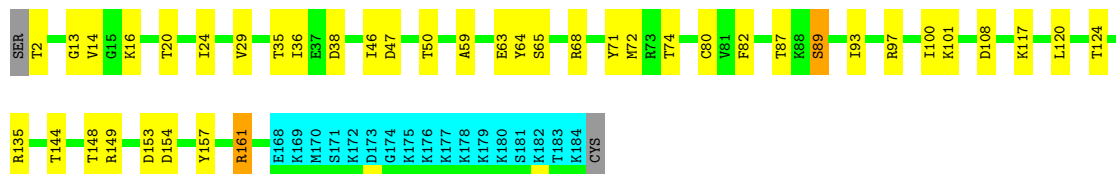
- Molecule 1: GTPase KRas





• Molecule 1: GTPase KRas

Chain B: 68% 21% 9%



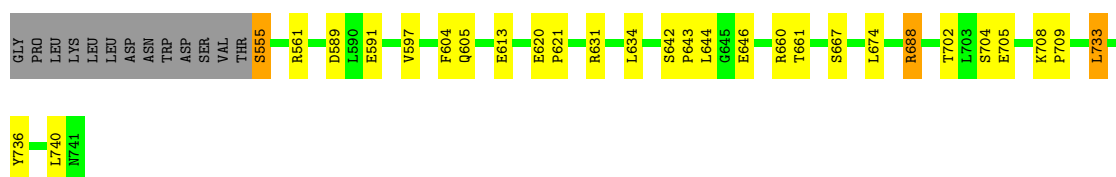
• Molecule 2: Apolipoprotein A-I

Chain D: 81% 11% 6%



• Molecule 2: Apolipoprotein A-I

Chain E: 79% 13% 6%



4.2.14 Score per residue for model 14

• Molecule 1: GTPase KRas

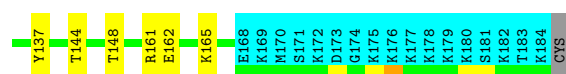
Chain A: 71% 18% 9%



• Molecule 1: GTPase KRas

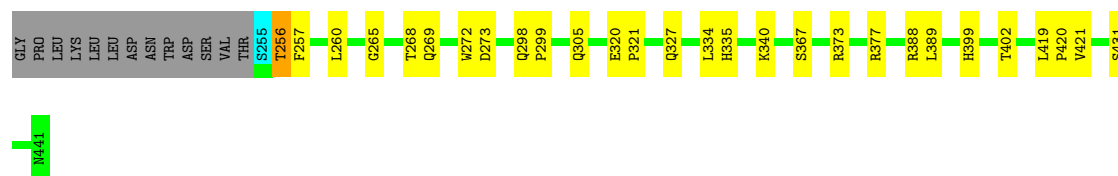
Chain B: 69% 19% 9%





- Molecule 2: Apolipoprotein A-I

Chain D:



- Molecule 2: Apolipoprotein A-I

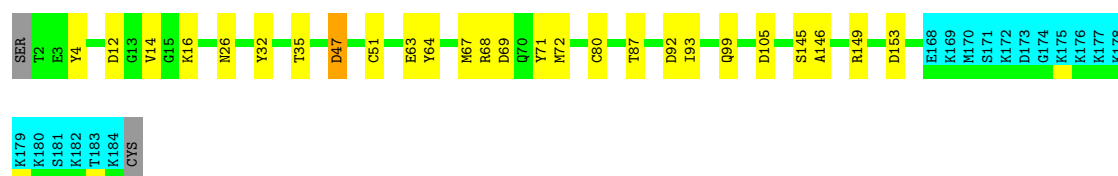
Chain E:



4.2.15 Score per residue for model 15

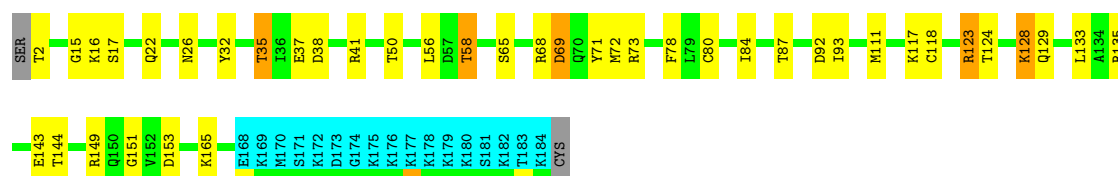
- Molecule 1: GTPase KRas

Chain A:



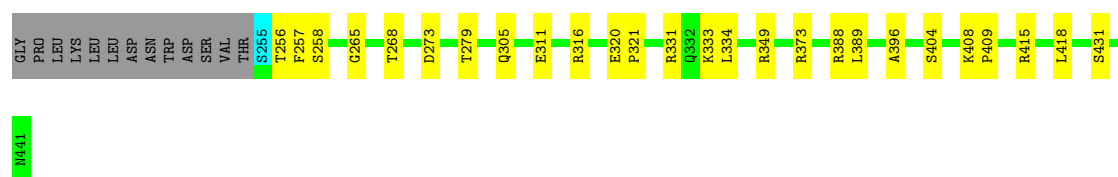
- Molecule 1: GTPase KRas

Chain B:



- Molecule 2: Apolipoprotein A-I

Chain D:



- Molecule 2: Apolipoprotein A-I

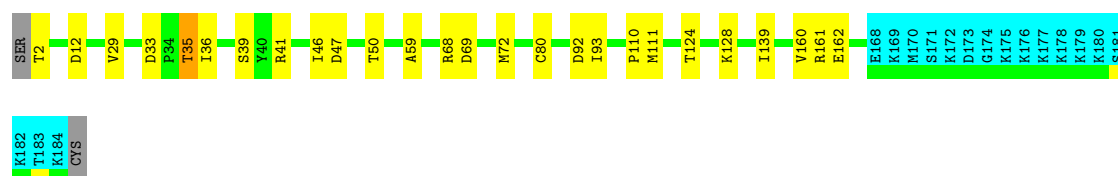
Chain E: 83% 10% • 6%



4.2.16 Score per residue for model 16

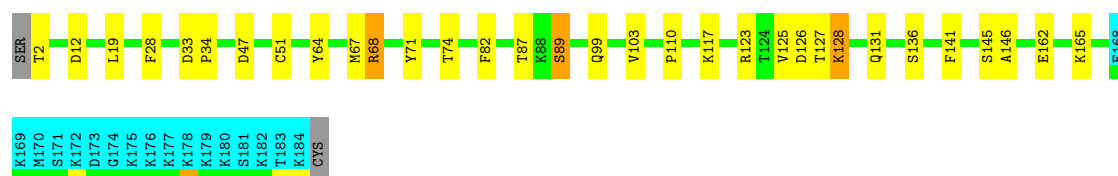
- Molecule 1: GTPase KRas

Chain A: 76% 14% • 9%



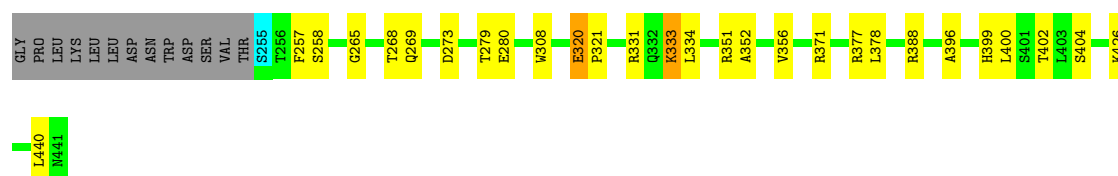
- Molecule 1: GTPase KRas

Chain B: 72% 16% • 9%



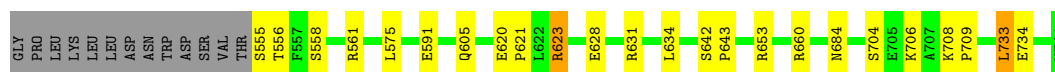
- Molecule 2: Apolipoprotein A-I

Chain D: 79% 13% • 6%



- Molecule 2: Apolipoprotein A-I

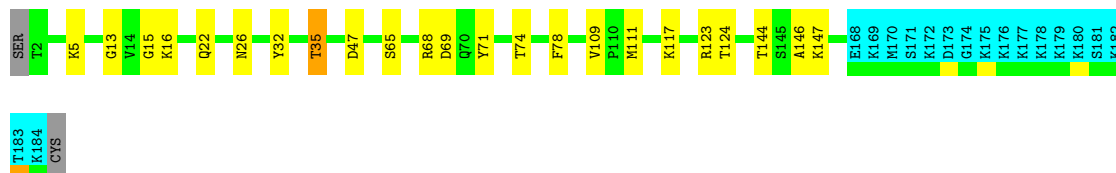
Chain E: 82% 11% • 6%



4.2.17 Score per residue for model 17

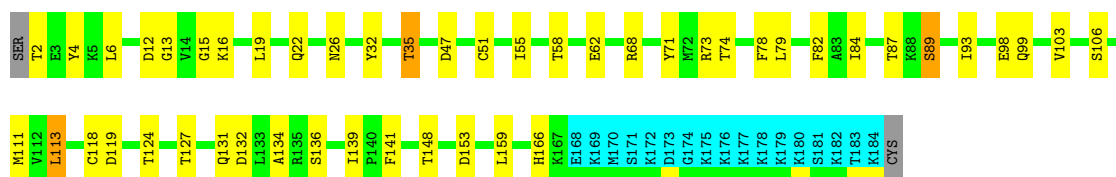
- Molecule 1: GTPase KRas

Chain A: 77% 12% 9%



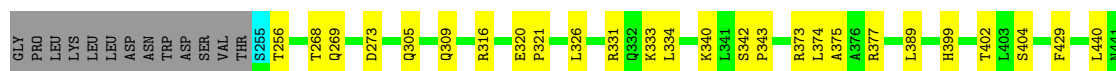
- Molecule 1: GTPase KRas

Chain B: 64% 24% 9%



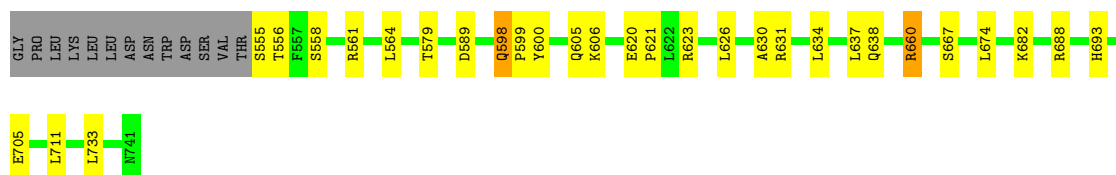
- Molecule 2: Apolipoprotein A-I

Chain D: 80% 13% 6%



- Molecule 2: Apolipoprotein A-I

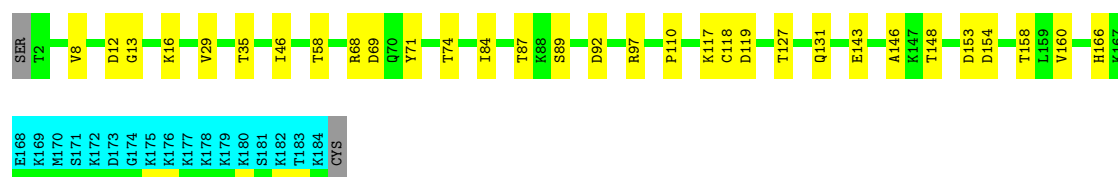
Chain E: 78% 14% 6%



4.2.18 Score per residue for model 18

- Molecule 1: GTPase KRas

Chain A: 73% 17% 9%



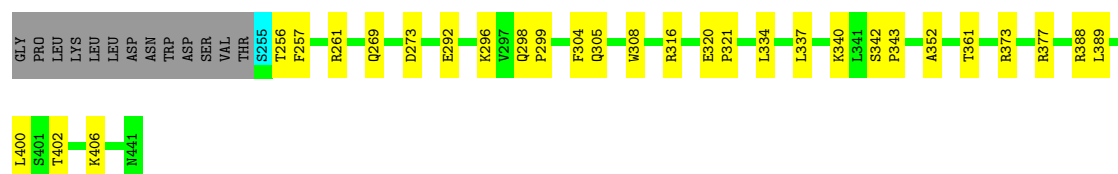
- Molecule 1: GTPase KRas

Chain B: 71% 17% 9%



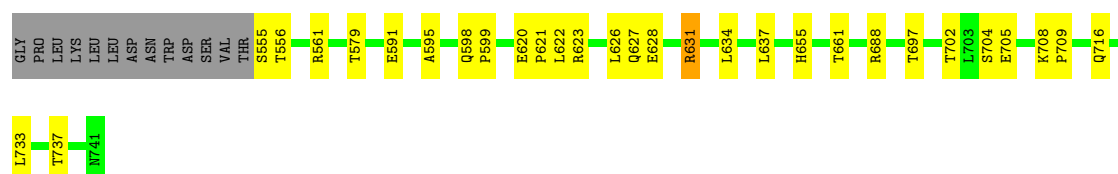
- Molecule 2: Apolipoprotein A-I

Chain D: 78% 14% 6%



- Molecule 2: Apolipoprotein A-I

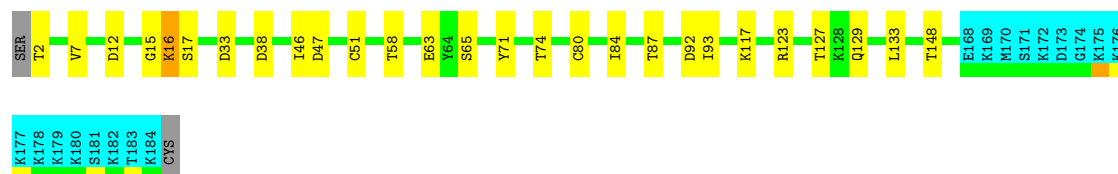
Chain E: 78% 14% 6%



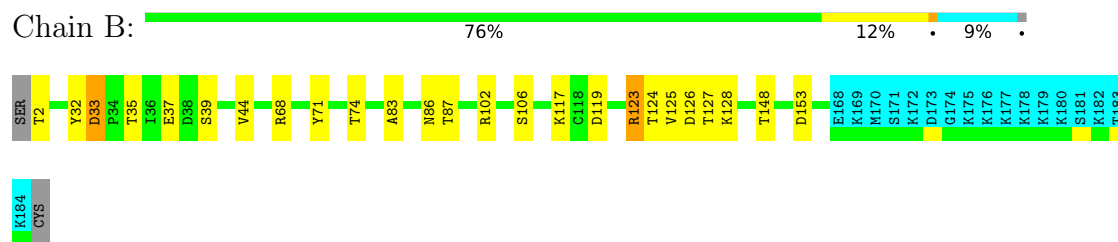
4.2.19 Score per residue for model 19

- Molecule 1: GTPase KRas

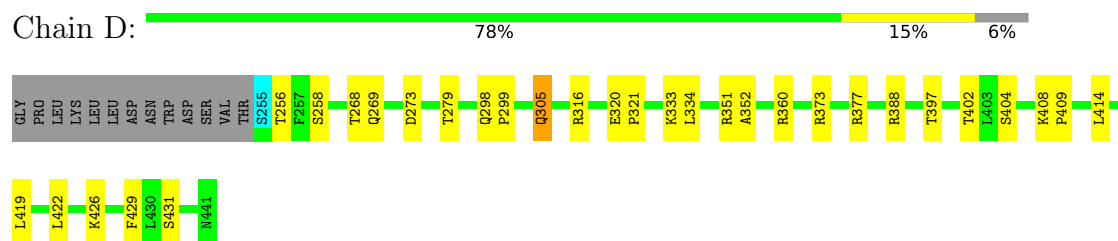
Chain A: 75% 14% 9%



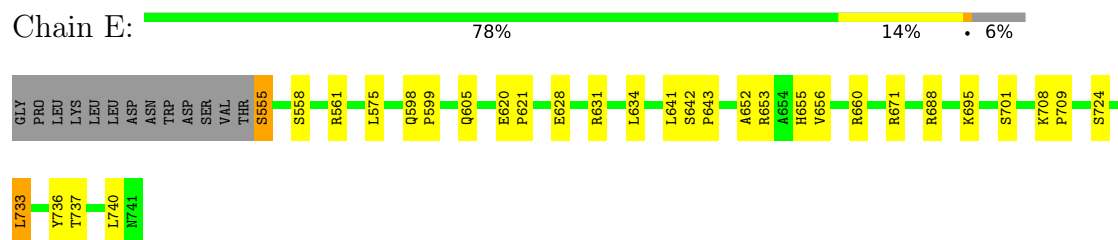
- Molecule 1: GTPase KRas



- Molecule 2: Apolipoprotein A-I

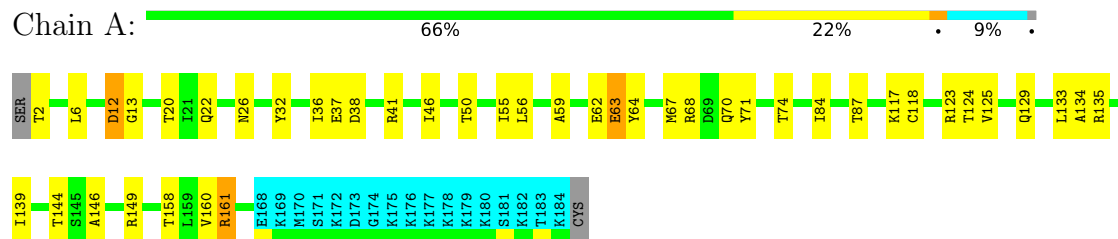


- Molecule 2: Apolipoprotein A-I

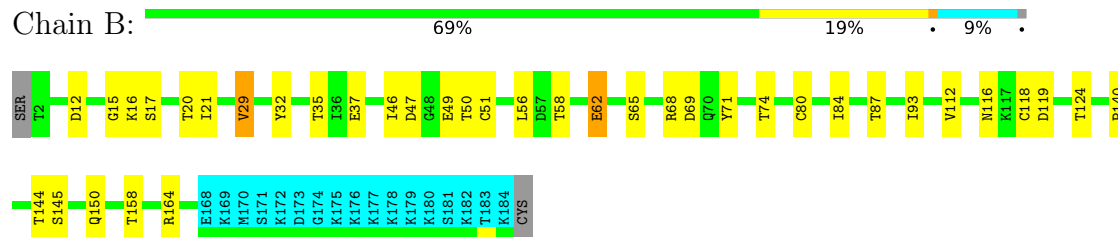


4.2.20 Score per residue for model 20

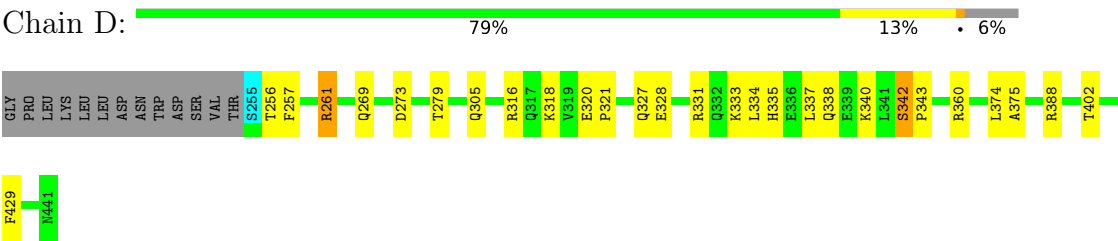
- Molecule 1: GTPase KRas



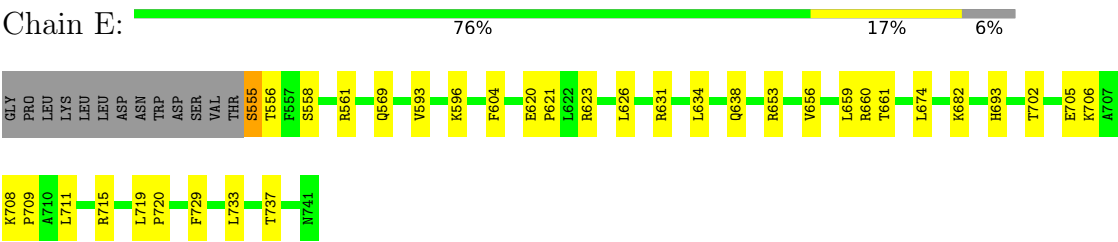
- Molecule 1: GTPase KRas



• Molecule 2: Apolipoprotein A-I



• Molecule 2: Apolipoprotein A-I



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	154
Number of unparsed shifts	0
Number of shifts with mapping errors	0
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: GSP, 17F, 7Q9, MG

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	1328	306	1302	17±5
1	B	1328	306	1303	17±4
2	D	1526	358	1531	18±4
2	E	1532	360	1535	21±5
3	A	32	6	12	8±3
3	B	32	6	12	8±2
4	A	1	0	0	1±0
4	B	1	0	0	1±0
5	A	546	0	0	61±7
5	B	273	0	0	35±9
5	D	1755	0	0	187±14
5	E	2418	0	0	275±27
6	A	216	12	304	73±10
6	B	54	3	76	23±7
6	D	594	33	836	199±17
6	E	864	48	1216	213±36
All	All	250000	28760	162529	19712

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 48.

All 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:517:17F:H9	1.24	1.62	8	8
6:D:510:17F:C9	6:D:517:17F:H8A	1.23	1.64	15	12
6:D:510:17F:C12	6:D:517:17F:H8A	1.21	1.66	3	16
6:D:510:17F:C9	6:D:517:17F:H11	1.19	1.67	4	10
6:D:510:17F:H9A	6:D:517:17F:C8	1.18	1.66	18	19
6:D:510:17F:H9	6:D:517:17F:C11	1.17	1.70	2	6
6:D:510:17F:H9A	6:D:517:17F:C9	1.17	1.70	9	8
6:D:517:17F:H47	6:D:517:17F:C22	1.16	1.71	20	3
6:A:213:17F:H44	6:A:213:17F:H61	1.14	1.18	16	2
6:A:208:17F:H57	6:A:208:17F:H43	1.14	1.17	16	10
6:E:806:17F:H45	6:E:806:17F:H54	1.13	1.21	17	20
6:E:802:17F:H57	6:E:802:17F:H62	1.12	1.19	15	18
6:D:539:17F:H57	6:D:539:17F:H19A	1.12	1.21	14	19
6:D:517:17F:H39	6:D:517:17F:H47	1.12	1.19	7	16
6:D:539:17F:C18	6:D:539:17F:H57	1.12	1.73	8	1
6:A:213:17F:H8	6:A:213:17F:H12A	1.11	1.18	1	13
6:D:533:17F:O9	6:D:533:17F:H32	1.11	1.45	11	13
6:E:808:17F:H42	6:E:810:17F:H62	1.11	1.17	11	11
6:A:219:17F:H61	6:A:219:17F:H68	1.11	1.20	1	17
6:D:519:17F:H48	6:D:519:17F:H67	1.11	1.19	8	14
6:E:808:17F:H18A	6:E:810:17F:H20	1.11	1.12	12	9
6:D:534:17F:H50	6:D:534:17F:H42	1.11	1.19	20	20
6:E:819:17F:H30	6:E:819:17F:H39	1.11	1.18	17	12
6:D:510:17F:H9A	6:D:517:17F:O7	1.11	1.45	14	6
6:D:533:17F:H36	6:D:533:17F:H42	1.11	1.18	2	1
6:B:208:17F:H55	6:B:208:17F:H46	1.10	1.23	8	11
6:D:510:17F:H12	6:D:517:17F:H8A	1.10	1.14	12	13
6:D:510:17F:C8	6:D:517:17F:H19A	1.10	1.77	8	19
6:A:213:17F:H12A	6:A:213:17F:H8A	1.10	1.21	11	3
6:D:517:17F:H41	6:D:533:17F:H38	1.09	1.23	10	11
6:D:510:17F:H12	6:D:517:17F:H10A	1.09	1.19	19	8
6:D:510:17F:H60	6:D:517:17F:C12	1.09	1.77	20	1
6:D:510:17F:H12	6:D:517:17F:C8	1.09	1.75	18	18
6:D:510:17F:H5	6:D:533:17F:H19A	1.09	1.24	15	12
6:E:875:17F:H78	6:E:875:17F:H49	1.09	1.16	19	16
6:E:857:17F:H36	6:E:857:17F:H57	1.09	1.25	3	11
6:D:539:17F:C31	6:D:539:17F:H18	1.09	1.76	8	1
6:D:510:17F:O9	6:D:517:17F:H9A	1.08	1.47	3	12
6:E:808:17F:H51	6:E:808:17F:H76	1.08	1.19	6	13
6:D:510:17F:H9	6:D:517:17F:H11	1.08	1.25	5	10
6:A:219:17F:H5	6:D:518:17F:H9	1.07	1.16	6	8
6:E:857:17F:H65	6:E:875:17F:H61	1.07	1.19	20	5

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:A:213:17F:H31	6:A:213:17F:H8	1.07	1.15	11	1
6:D:519:17F:H40	6:D:519:17F:H59	1.07	1.24	11	1
6:D:517:17F:H47	6:D:517:17F:H38	1.07	1.07	13	3
6:D:539:17F:H65	6:D:539:17F:H59	1.06	1.27	8	2
6:D:510:17F:H50	6:D:517:17F:C22	1.06	1.81	1	15
6:D:539:17F:H57	6:D:539:17F:H18	1.06	1.15	8	1
6:D:510:17F:H18	6:D:517:17F:H10	1.06	1.27	6	5
6:E:839:17F:H11	6:E:839:17F:H65	1.06	1.25	14	15
6:E:819:17F:H10A	6:E:820:17F:H30	1.06	1.09	4	3
6:D:510:17F:H9	6:D:517:17F:H30	1.06	1.25	13	2
6:D:510:17F:H50	6:D:517:17F:H38	1.06	1.06	1	13
6:D:510:17F:H8A	6:D:517:17F:H19A	1.06	1.19	7	16
6:E:857:17F:H67	6:E:875:17F:H60	1.06	1.25	19	7
6:E:810:17F:H29	6:E:810:17F:H40	1.05	1.20	9	18
6:D:510:17F:H9A	6:D:517:17F:H8A	1.05	1.10	19	8
6:E:819:17F:H61	6:E:842:17F:H67	1.05	1.22	9	8
6:E:808:17F:H46	6:E:810:17F:H62	1.05	1.22	8	3
6:E:808:17F:H66	6:E:820:17F:H29	1.05	1.24	16	5
6:A:208:17F:H49	6:A:208:17F:H68	1.05	1.26	8	12
6:D:510:17F:C33	6:D:517:17F:H12A	1.05	1.79	20	1
6:B:208:17F:H57	6:B:208:17F:H63	1.05	1.28	4	18
6:D:510:17F:H1	6:D:517:17F:H6	1.05	1.28	16	8
6:D:511:17F:H76	6:E:829:17F:H54	1.05	1.24	7	2
6:D:510:17F:H46	6:D:517:17F:H68	1.05	1.29	1	17
6:D:517:17F:H38	6:D:517:17F:C27	1.04	1.82	20	3
6:E:808:17F:H20A	6:E:819:17F:H9A	1.04	1.19	7	5
6:E:808:17F:C31	6:E:820:17F:H12A	1.04	1.82	14	7
6:D:520:17F:H42	6:D:520:17F:H35	1.04	1.23	5	15
6:E:802:17F:H36	6:E:802:17F:H33	1.03	1.26	17	16
6:D:510:17F:C17	6:D:533:17F:H19A	1.03	1.82	3	7
6:E:839:17F:H33	6:E:839:17F:H40	1.03	1.22	11	4
6:D:510:17F:H9A	6:D:517:17F:H9	1.03	1.10	7	8
6:A:208:17F:H41	6:A:219:17F:H38	1.03	1.23	8	4
6:A:219:17F:H5	6:D:518:17F:H11A	1.03	1.24	1	6
6:D:510:17F:H9A	6:D:517:17F:H11	1.03	1.12	4	6
6:A:213:17F:H31	6:A:213:17F:H10A	1.03	1.09	6	5
6:E:808:17F:H55	6:E:819:17F:H76	1.03	1.31	11	8
6:D:520:17F:H64	6:D:520:17F:H56	1.03	1.14	10	5
6:D:510:17F:H9A	6:D:517:17F:C7	1.03	1.83	10	11
6:A:219:17F:H6A	6:D:518:17F:H11A	1.03	1.31	9	8
6:A:213:17F:H39	6:A:213:17F:H11A	1.03	1.23	1	8

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:519:17F:H20	6:D:519:17F:H12A	1.03	1.30	17	1
6:D:540:17F:H44	6:D:540:17F:H61	1.02	1.29	6	16
6:A:208:17F:H78	6:B:208:17F:H69	1.02	1.28	1	4
2:D:273:ASP:HB2	6:D:540:17F:H34	1.02	1.26	13	18
6:D:518:17F:H44	6:D:518:17F:H59	1.02	1.27	16	11
6:D:510:17F:H31	6:D:517:17F:H10	1.02	1.29	19	4
6:A:208:17F:H31	6:A:219:17F:H12A	1.02	1.28	10	6
6:A:208:17F:H72	6:B:208:17F:H69	1.01	1.22	12	6
6:A:208:17F:H45	6:A:208:17F:H64	1.01	1.32	15	2
6:E:819:17F:H41	6:E:819:17F:H71	1.01	1.30	16	1
6:D:510:17F:H5	6:D:533:17F:C19	1.01	1.84	1	10
6:E:839:17F:H19	6:E:839:17F:H56	1.01	1.33	14	20
6:D:510:17F:H8	6:D:517:17F:H19A	1.01	1.30	2	6
6:D:539:17F:H62	6:D:539:17F:H37	1.01	1.29	12	5
5:D:505:7Q9:C13	6:D:518:17F:H6A	1.01	1.85	19	2
6:D:510:17F:O3	6:D:517:17F:H4	1.01	1.54	17	19
6:D:510:17F:C6	6:D:517:17F:H4A	1.00	1.86	2	17
6:A:208:17F:H33	6:A:219:17F:H10	1.00	1.27	4	2
6:A:219:17F:O10	6:D:518:17F:H11A	1.00	1.55	5	11
5:D:512:7Q9:C13	6:D:534:17F:H4	1.00	1.87	16	12
6:E:857:17F:H68	6:E:875:17F:H61	1.00	1.32	5	4
6:D:510:17F:C5	6:D:533:17F:H19A	0.99	1.86	18	10
6:E:820:17F:H52	6:E:820:17F:H73	0.99	1.34	14	12
6:E:857:17F:H70	6:E:875:17F:H61	0.99	1.29	9	5
6:E:806:17F:H19	6:E:806:17F:H37	0.99	1.33	20	6
6:A:213:17F:H41	6:A:213:17F:H60	0.99	1.32	19	4
6:E:819:17F:H61	6:E:842:17F:H68	0.99	1.35	11	4
6:D:510:17F:C18	6:D:517:17F:H10	0.99	1.87	4	6
6:D:510:17F:H20A	6:D:517:17F:C10	0.99	1.86	15	1
2:E:555:SER:HA	6:E:873:17F:H65	0.99	1.33	3	9
5:A:216:7Q9:C318	6:D:510:17F:H42	0.99	1.87	4	7
6:D:510:17F:H12A	6:D:517:17F:H8	0.98	1.29	19	6
6:B:208:17F:H12	5:B:209:7Q9:C39	0.98	1.87	19	11
6:A:220:17F:H54	6:A:220:17F:H67	0.98	1.27	9	9
6:D:517:17F:H37	6:D:533:17F:H72	0.98	1.35	2	1
6:A:208:17F:H4	6:A:208:17F:H1	0.98	1.31	5	4
6:A:220:17F:H41	6:A:220:17F:H66	0.98	1.34	6	3
6:A:213:17F:H34	6:A:213:17F:H37	0.98	1.32	16	2
5:D:506:7Q9:C32	6:D:517:17F:H32	0.98	1.88	2	5
6:D:540:17F:H59	6:D:540:17F:H65	0.98	1.32	13	13
6:A:213:17F:C23	6:A:213:17F:H60	0.97	1.89	7	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:519:17F:H66	6:D:519:17F:H40	0.97	1.34	10	1
6:E:808:17F:H42	6:E:810:17F:C35	0.97	1.88	18	10
6:D:519:17F:H58	6:D:519:17F:H64	0.97	1.37	17	1
6:A:219:17F:H39	6:A:219:17F:H11	0.97	1.33	1	13
6:D:518:17F:H29	6:D:518:17F:H19	0.96	1.37	4	16
6:E:802:17F:H62	6:E:802:17F:C31	0.96	1.88	2	18
6:E:856:17F:H38	6:E:856:17F:H68	0.96	1.34	7	13
6:A:213:17F:H46	6:A:213:17F:H67	0.96	1.32	17	1
6:D:519:17F:H64	6:D:519:17F:C32	0.96	1.90	17	1
6:D:533:17F:H77	6:D:533:17F:H50	0.96	1.33	1	13
5:B:205:7Q9:C315	6:B:208:17F:H78	0.96	1.89	5	2
6:D:510:17F:H9	6:D:517:17F:H11A	0.96	1.31	2	4
6:D:510:17F:O10	6:D:533:17F:H19A	0.96	1.61	9	5
6:E:808:17F:H56	6:E:820:17F:H12A	0.96	1.29	14	3
6:D:539:17F:H75	6:D:539:17F:H50	0.96	1.36	7	3
6:D:517:17F:C24	6:D:533:17F:H38	0.96	1.91	19	7
6:E:873:17F:H36	6:E:873:17F:H20	0.96	1.35	5	7
6:D:510:17F:H12	6:D:517:17F:C10	0.96	1.90	13	6
6:A:208:17F:H30	6:B:208:17F:H19	0.96	1.37	17	2
6:A:208:17F:H31	6:A:219:17F:H10A	0.96	1.31	8	4
6:E:820:17F:H18	5:E:853:7Q9:C33	0.96	1.91	3	3
6:A:213:17F:H61	6:A:213:17F:C26	0.96	1.90	8	4
6:D:510:17F:H8A	6:D:517:17F:C19	0.96	1.91	12	6
6:A:213:17F:H36	6:A:213:17F:H45	0.95	1.35	1	5
6:E:808:17F:H60	6:E:820:17F:H29	0.95	1.38	8	1
6:D:510:17F:O7	6:D:517:17F:H4A	0.95	1.62	5	13
6:A:213:17F:H20A	6:A:213:17F:O1	0.95	1.60	9	6
6:D:520:17F:H56	6:D:520:17F:H62	0.95	1.38	11	1
6:E:857:17F:H67	6:E:875:17F:C33	0.95	1.91	13	6
6:D:517:17F:H49	6:D:517:17F:C23	0.95	1.91	3	1
6:A:213:17F:H40	6:A:213:17F:H31	0.95	1.36	1	3
6:D:510:17F:H12	6:D:517:17F:C7	0.95	1.92	2	9
6:D:510:17F:C28	6:D:517:17F:H38	0.95	1.90	9	9
6:D:510:17F:H18A	6:D:517:17F:H10	0.95	1.36	11	8
6:D:510:17F:C20	6:D:517:17F:H8	0.95	1.90	17	1
6:D:519:17F:H30	6:D:519:17F:H39	0.94	1.35	1	19
6:E:808:17F:C37	6:E:820:17F:H29	0.94	1.92	16	3
6:E:857:17F:H68	6:E:875:17F:H65	0.94	1.39	20	4
6:D:510:17F:H76	6:D:517:17F:H72	0.94	1.38	5	4
1:A:47:ASP:HA	1:B:128:LYS:HB2	0.94	1.39	9	6
6:A:213:17F:H30	5:D:509:7Q9:C22	0.94	1.93	20	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:E:871:17F:H11	5:E:872:7Q9:O14	0.94	1.62	10	3
6:D:510:17F:H20A	6:D:517:17F:H8	0.94	1.36	17	1
6:D:510:17F:H4A	6:D:517:17F:H4A	0.93	1.38	15	5
6:A:213:17F:H40	6:A:213:17F:H11A	0.93	1.35	11	1
6:D:510:17F:H20A	6:D:517:17F:C9	0.93	1.93	15	2
6:D:517:17F:H39	6:D:517:17F:C27	0.93	1.93	8	17
6:D:510:17F:H50	6:D:517:17F:H37	0.93	1.34	3	3
6:D:510:17F:H12A	6:D:517:17F:H8A	0.93	1.38	3	2
6:D:510:17F:H18A	6:D:533:17F:H20	0.93	1.38	4	1
6:E:857:17F:H69	6:E:857:17F:H58	0.93	1.36	16	15
6:E:875:17F:H49	6:E:875:17F:H72	0.92	1.37	17	4
5:B:205:7Q9:C313	6:B:208:17F:H78	0.92	1.94	8	11
6:A:208:17F:H72	6:B:208:17F:C38	0.92	1.94	12	6
6:E:808:17F:H71	6:E:819:17F:C30	0.92	1.94	5	1
6:E:810:17F:H57	6:E:810:17F:C2X	0.92	1.94	5	2
6:A:219:17F:C17	6:D:518:17F:H11A	0.92	1.94	2	2
5:E:825:7Q9:C32	6:E:842:17F:H20A	0.92	1.95	5	1
6:A:213:17F:H74	6:E:808:17F:H53	0.92	1.41	3	1
6:E:818:17F:H11	5:E:834:7Q9:C32	0.92	1.93	20	2
6:D:518:17F:H36	6:D:518:17F:H20	0.92	1.38	14	15
5:E:805:7Q9:O32	6:E:812:17F:H31	0.92	1.65	4	13
6:E:810:17F:H52	6:E:810:17F:H61	0.92	1.42	9	11
5:B:210:7Q9:C3	6:D:520:17F:H20A	0.92	1.94	2	1
6:D:540:17F:H35	6:D:540:17F:H64	0.92	1.41	10	3
6:D:539:17F:H19A	6:D:539:17F:C31	0.92	1.95	12	19
6:A:213:17F:C33	6:A:213:17F:H41	0.92	1.95	14	2
6:E:819:17F:H12	6:E:820:17F:H9A	0.92	1.40	12	1
6:E:819:17F:H1A	5:E:836:7Q9:O13	0.92	1.65	17	4
6:D:510:17F:H46	6:D:517:17F:C38	0.91	1.95	19	16
6:E:810:17F:H40	6:E:810:17F:C1X	0.91	1.95	11	17
5:E:838:7Q9:C14	6:E:842:17F:H19A	0.91	1.95	4	3
6:E:873:17F:H44	6:E:873:17F:H59	0.91	1.42	1	9
6:A:219:17F:H5	6:D:518:17F:C9	0.91	1.95	6	3
6:D:510:17F:O9	6:D:517:17F:H9	0.91	1.66	18	10
5:E:803:7Q9:O32	6:E:808:17F:H5	0.91	1.64	17	6
6:D:520:17F:H56	6:D:520:17F:C36	0.91	1.95	10	2
6:D:511:17F:H42	6:D:534:17F:H51	0.91	1.39	13	1
5:E:804:7Q9:C3	6:E:808:17F:H8A	0.91	1.95	20	3
6:D:510:17F:H8	6:D:517:17F:C19	0.91	1.94	2	6
6:E:875:17F:H78	6:E:875:17F:C28	0.91	1.94	19	13
6:E:806:17F:H73	5:E:817:7Q9:C318	0.91	1.96	4	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:A:213:17F:H41	6:A:213:17F:C34	0.91	1.96	6	5
6:D:510:17F:H9A	6:D:517:17F:C11	0.91	1.95	4	6
6:E:820:17F:H44	6:E:820:17F:H58	0.91	1.42	15	12
6:A:208:17F:H43	6:A:208:17F:C31	0.91	1.96	10	12
6:A:213:17F:H61	6:A:213:17F:H46	0.90	1.38	12	5
6:E:810:17F:H34	6:E:819:17F:H68	0.90	1.42	4	3
6:E:829:17F:H12	5:E:852:7Q9:C34	0.90	1.95	20	1
6:E:808:17F:H1	5:E:814:7Q9:C14	0.90	1.95	1	10
6:E:808:17F:C24	6:E:810:17F:H62	0.90	1.96	2	9
6:A:208:17F:H31	6:A:219:17F:C10	0.90	1.95	8	6
6:A:219:17F:C6	6:D:518:17F:H9	0.90	1.95	16	5
6:A:220:17F:H12A	6:D:519:17F:H62	0.90	1.42	17	1
6:D:518:17F:H41	5:D:551:7Q9:C39	0.90	1.97	8	6
6:E:873:17F:C20	6:E:873:17F:H36	0.90	1.96	11	8
5:D:506:7Q9:C31	6:D:517:17F:H20	0.90	1.97	8	4
6:E:842:17F:H37	5:E:877:7Q9:C31	0.90	1.97	4	3
6:D:510:17F:O8	6:D:517:17F:H19A	0.90	1.65	4	4
6:A:213:17F:H73	6:E:808:17F:H53	0.90	1.44	4	1
6:E:839:17F:H77	6:E:839:17F:H49	0.90	1.43	8	10
6:E:808:17F:H74	6:E:808:17F:H51	0.90	1.40	8	1
6:E:810:17F:H60	6:E:819:17F:H71	0.90	1.44	5	2
6:E:808:17F:H49	6:E:810:17F:H62	0.89	1.44	20	5
6:E:857:17F:C1X	6:E:875:17F:H60	0.89	1.97	8	1
6:D:520:17F:H64	6:D:520:17F:C31	0.89	1.95	12	4
6:E:839:17F:H12	6:E:857:17F:H12	0.89	1.42	17	3
6:A:219:17F:C41	6:A:219:17F:H48	0.89	1.97	14	1
6:D:510:17F:C4	6:D:517:17F:H4A	0.89	1.98	15	17
6:E:819:17F:H42	5:E:836:7Q9:C37	0.89	1.97	8	6
6:D:533:17F:H10	5:D:541:7Q9:C35	0.89	1.97	2	1
6:E:873:17F:H36	6:E:873:17F:H20A	0.89	1.44	10	14
6:E:808:17F:H33	6:E:819:17F:H9A	0.89	1.41	17	4
6:D:517:17F:H49	6:D:517:17F:H39	0.89	1.44	3	1
5:A:218:7Q9:C3	6:D:511:17F:H6	0.89	1.98	2	2
5:E:851:7Q9:C39	6:E:871:17F:H20A	0.89	1.98	4	3
6:A:213:17F:H60	6:A:213:17F:C24	0.89	1.98	20	6
6:E:810:17F:C34	6:E:819:17F:H71	0.89	1.98	3	2
6:E:819:17F:H1A	5:E:836:7Q9:O14	0.89	1.68	5	5
6:E:819:17F:H10A	6:E:820:17F:H10	0.88	1.45	16	1
6:A:213:17F:H61	6:A:213:17F:H41	0.88	1.43	17	1
6:E:820:17F:H65	5:E:837:7Q9:C36	0.88	1.98	1	5
5:A:206:7Q9:C316	6:E:802:17F:H68	0.88	1.97	9	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:A:219:17F:H61	6:A:219:17F:C38	0.88	1.99	8	17
6:E:842:17F:H9A	5:E:877:7Q9:O14	0.88	1.67	7	2
6:D:510:17F:H12A	6:D:517:17F:C8	0.88	1.99	16	5
6:D:510:17F:C1	6:D:517:17F:H6	0.88	1.97	11	7
5:A:218:7Q9:O14	6:D:511:17F:H4A	0.88	1.67	5	1
6:A:220:17F:H36	5:D:502:7Q9:C312	0.88	1.98	7	5
6:D:510:17F:H19	6:D:533:17F:H19	0.88	1.45	3	3
1:A:32:TYR:HD1	3:A:201:GSP:H5'2	0.88	1.29	4	8
6:E:857:17F:C36	6:E:875:17F:H61	0.88	1.98	4	5
6:E:808:17F:H66	6:E:820:17F:C1X	0.88	1.99	12	3
6:A:219:17F:H4A	5:D:505:7Q9:O32	0.88	1.69	18	2
6:E:808:17F:H75	6:E:819:17F:H55	0.88	1.44	1	5
6:E:873:17F:H36	6:E:873:17F:C20	0.88	1.99	7	11
6:D:510:17F:C12	6:D:517:17F:H8	0.88	1.98	13	7
6:A:219:17F:H51	5:E:828:7Q9:C317	0.88	1.99	16	2
6:D:510:17F:H46	6:D:517:17F:H64	0.87	1.41	11	13
6:D:517:17F:H39	6:D:517:17F:C28	0.87	2.00	3	1
6:D:511:17F:H11A	5:D:513:7Q9:C35	0.87	2.00	12	1
6:A:208:17F:H64	6:A:208:17F:H39	0.87	1.46	17	11
6:D:510:17F:H18A	6:D:517:17F:H9A	0.87	1.46	5	5
5:D:550:7Q9:C313	6:D:552:17F:H50	0.87	1.99	17	4
6:D:510:17F:C1	6:D:517:17F:H4	0.87	2.00	1	5
6:D:510:17F:C7	6:D:517:17F:H9	0.87	2.00	20	9
6:D:539:17F:H57	6:D:539:17F:C19	0.87	1.98	16	20
5:E:870:7Q9:C22	6:E:873:17F:H10	0.87	1.99	14	16
1:B:13:GLY:HA2	3:B:201:GSP:H5'1	0.86	1.42	18	9
1:A:32:TYR:CD1	3:A:201:GSP:H5'2	0.86	2.05	3	10
6:E:871:17F:H10A	5:E:872:7Q9:O13	0.86	1.70	16	1
6:A:213:17F:H46	6:A:213:17F:C37	0.86	2.00	17	1
5:B:205:7Q9:C311	6:B:208:17F:H78	0.86	2.00	3	1
6:A:208:17F:H68	6:A:208:17F:H46	0.86	1.47	5	1
6:A:213:17F:H45	6:A:213:17F:H35	0.86	1.45	8	3
6:D:510:17F:C26	6:D:517:17F:H68	0.86	1.99	17	11
6:E:839:17F:H40	6:E:839:17F:C1Z	0.86	2.01	11	3
6:A:219:17F:H34	5:E:801:7Q9:C32	0.86	2.00	20	1
6:A:219:17F:H66	6:D:518:17F:H37	0.86	1.45	3	1
6:D:510:17F:H63	5:D:530:7Q9:C313	0.86	1.99	3	2
6:D:539:17F:H66	6:D:539:17F:H43	0.86	1.47	8	1
6:E:839:17F:H65	6:E:839:17F:C11	0.86	2.01	18	11
6:A:213:17F:H12	6:A:213:17F:H31	0.86	1.46	10	2
6:D:510:17F:H18A	6:D:533:17F:H19A	0.86	1.48	17	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:A:219:17F:H56	6:A:219:17F:H63	0.86	1.44	12	4
6:D:511:17F:H64	6:D:511:17F:H36	0.86	1.45	20	2
6:E:808:17F:H33	6:E:819:17F:C9	0.85	2.01	17	4
6:A:220:17F:H39	6:A:220:17F:H66	0.85	1.45	12	2
6:D:510:17F:H55	6:D:533:17F:H76	0.85	1.45	16	3
5:E:804:7Q9:C31	6:E:808:17F:H8A	0.85	2.00	17	2
2:E:660:ARG:HD2	6:E:875:17F:H20A	0.85	1.46	19	6
5:E:814:7Q9:C314	6:E:819:17F:H54	0.85	2.01	17	4
6:E:802:17F:H57	6:E:802:17F:C35	0.85	2.00	17	17
6:A:219:17F:H46	5:D:505:7Q9:C311	0.85	2.01	20	9
6:D:510:17F:O7	6:D:517:17F:H9	0.85	1.71	2	9
6:A:208:17F:H34	6:A:208:17F:H46	0.85	1.48	7	1
6:D:510:17F:C42	6:D:510:17F:H53	0.85	2.01	16	2
6:E:819:17F:H78	6:E:819:17F:H45	0.85	1.47	18	9
6:D:534:17F:H50	6:D:534:17F:C24	0.85	2.02	16	20
6:A:208:17F:H43	6:A:208:17F:C1Z	0.85	2.01	2	8
5:B:205:7Q9:C37	6:B:208:17F:H72	0.85	2.01	3	1
6:D:533:17F:H50	6:D:533:17F:C42	0.85	2.02	12	9
6:A:208:17F:H31	6:A:219:17F:C12	0.85	2.01	19	7
6:E:808:17F:H18A	6:E:810:17F:C20	0.85	2.01	13	5
6:E:810:17F:C33	6:E:819:17F:H71	0.84	2.02	5	4
6:D:510:17F:H20A	6:D:517:17F:H9A	0.84	1.45	15	1
6:A:213:17F:H76	6:E:808:17F:H53	0.84	1.47	17	1
6:E:857:17F:H10A	6:E:875:17F:O10	0.84	1.71	18	2
6:E:829:17F:H9	5:E:833:7Q9:C33	0.84	2.02	1	6
6:A:208:17F:C39	6:A:208:17F:H49	0.84	2.03	16	4
6:D:517:17F:H47	6:D:517:17F:C23	0.84	2.02	14	19
6:A:213:17F:H41	6:A:213:17F:C33	0.84	2.01	6	5
6:E:820:17F:H38	6:E:820:17F:H45	0.84	1.48	19	3
5:E:838:7Q9:O32	6:E:842:17F:H12A	0.84	1.72	7	4
6:E:808:17F:H60	6:E:820:17F:H12A	0.84	1.50	19	5
5:B:205:7Q9:C312	6:B:208:17F:H78	0.84	2.02	13	1
6:D:552:17F:C7	6:D:552:17F:H57	0.84	2.02	15	16
6:A:219:17F:H6	5:D:505:7Q9:O32	0.84	1.73	7	5
6:A:208:17F:H64	6:A:208:17F:H58	0.84	1.49	3	2
6:A:213:17F:H55	6:A:213:17F:H68	0.84	1.49	10	1
6:A:220:17F:H12A	6:D:519:17F:C35	0.84	2.03	17	1
5:E:805:7Q9:C14	6:E:806:17F:H8A	0.84	2.01	10	3
6:A:219:17F:H6	5:D:505:7Q9:O21	0.84	1.73	3	1
6:E:808:17F:H55	6:E:819:17F:C42	0.84	2.02	11	7
5:E:803:7Q9:O13	6:E:808:17F:H2	0.84	1.73	16	10

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:510:17F:C9	6:D:517:17F:C9	0.84	2.53	8	7
6:E:857:17F:H65	6:E:875:17F:C34	0.84	2.03	4	4
6:A:213:17F:H74	6:E:819:17F:H77	0.84	1.48	14	3
5:A:215:7Q9:C37	6:D:511:17F:H72	0.83	2.01	12	6
5:E:825:7Q9:C33	6:E:842:17F:H20A	0.83	2.02	17	6
6:E:812:17F:H6A	5:E:824:7Q9:C3	0.83	2.02	9	1
6:A:208:17F:H37	6:B:208:17F:H19	0.83	1.46	20	1
5:E:805:7Q9:C3	6:E:812:17F:H19	0.83	2.02	17	5
5:E:805:7Q9:C13	6:E:806:17F:H8A	0.83	2.03	6	7
5:B:205:7Q9:C312	6:B:208:17F:H12A	0.83	2.04	11	6
5:B:205:7Q9:C317	6:E:812:17F:H46	0.83	2.03	17	2
6:E:857:17F:C37	6:E:875:17F:H60	0.83	2.03	16	6
6:A:219:17F:C6	6:D:518:17F:H11A	0.83	2.04	8	4
5:E:805:7Q9:C31	6:E:812:17F:H19	0.83	2.03	7	2
6:E:839:17F:N1	6:E:875:17F:H6A	0.83	1.88	4	3
5:E:814:7Q9:C38	6:E:820:17F:H77	0.83	2.04	11	7
5:D:506:7Q9:C32	6:D:517:17F:H31	0.83	2.04	10	4
6:D:533:17F:H30	6:D:533:17F:H67	0.83	1.51	6	4
6:D:510:17F:H40	6:D:510:17F:H29	0.83	1.48	12	1
6:A:213:17F:H11A	6:A:213:17F:C23	0.83	2.03	1	6
6:A:213:17F:H8	6:A:213:17F:C12	0.83	2.04	16	13
5:B:205:7Q9:C310	6:B:208:17F:H57	0.83	2.03	10	6
6:D:510:17F:C12	6:D:517:17F:H10A	0.83	2.02	13	3
6:D:533:17F:H77	6:D:533:17F:H55	0.83	1.48	16	2
6:D:510:17F:H8	6:D:517:17F:O9	0.83	1.74	20	9
5:B:206:7Q9:C318	6:E:812:17F:H78	0.83	2.03	16	3
6:E:818:17F:H29	5:E:834:7Q9:C33	0.83	2.03	11	2
5:E:803:7Q9:O13	6:E:808:17F:H4A	0.83	1.74	14	4
6:E:819:17F:H60	6:E:842:17F:H65	0.83	1.48	11	2
6:E:842:17F:H9A	5:E:877:7Q9:C12	0.83	2.03	18	1
6:A:213:17F:H38	5:D:507:7Q9:C33	0.82	2.03	7	1
6:D:510:17F:H57	6:D:533:17F:H61	0.82	1.49	13	3
6:E:818:17F:H11	5:E:821:7Q9:C23	0.82	2.03	7	1
6:E:802:17F:H12	6:E:802:17F:H20	0.82	1.50	15	16
6:E:802:17F:H36	6:E:802:17F:C1Z	0.82	2.03	12	9
6:A:220:17F:H64	6:A:220:17F:H12	0.82	1.48	8	3
6:A:213:17F:H12A	6:A:213:17F:C8	0.82	2.02	11	16
6:D:519:17F:H67	6:D:519:17F:C27	0.82	2.02	16	14
6:E:806:17F:H45	6:E:806:17F:C30	0.82	2.05	9	20
6:E:808:17F:C33	6:E:820:17F:H12A	0.82	2.05	10	7
6:E:820:17F:H60	5:E:853:7Q9:C35	0.82	2.04	9	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:518:17F:H10A	6:D:518:17F:H19	0.82	1.51	11	1
6:E:875:17F:H47	6:E:875:17F:H78	0.82	1.48	2	3
6:D:552:17F:H56	6:D:552:17F:H62	0.82	1.52	6	18
5:B:205:7Q9:C314	6:B:208:17F:H71	0.82	2.04	3	1
2:E:634:LEU:HG	5:E:863:7Q9:C310	0.82	2.04	17	6
6:A:219:17F:H74	6:A:219:17F:H46	0.82	1.48	5	3
6:D:510:17F:C9	6:D:517:17F:H11A	0.82	2.04	2	2
6:D:510:17F:C26	6:D:517:17F:H64	0.82	2.03	11	12
6:E:808:17F:H38	6:E:810:17F:H20	0.82	1.50	20	3
6:E:839:17F:H35	6:E:839:17F:H33	0.82	1.51	4	4
6:A:213:17F:H40	6:A:213:17F:C11	0.82	2.04	11	2
6:A:219:17F:C5	6:D:518:17F:H9	0.82	2.04	6	6
6:E:842:17F:H39	6:E:842:17F:H29	0.82	1.51	12	8
6:E:808:17F:H71	6:E:819:17F:H55	0.82	1.51	5	2
5:D:505:7Q9:C311	5:D:505:7Q9:C37	0.82	2.58	6	16
6:E:820:17F:C22	6:E:820:17F:H45	0.82	2.05	1	17
6:A:219:17F:C37	6:D:518:17F:H37	0.82	2.04	3	1
6:E:818:17F:H61	5:E:827:7Q9:C37	0.82	2.04	3	2
6:E:808:17F:H56	6:E:820:17F:C1X	0.82	2.04	7	4
5:B:209:7Q9:C312	5:B:209:7Q9:C317	0.82	2.57	13	1
6:E:875:17F:H6	6:E:875:17F:O1	0.81	1.75	2	12
6:D:510:17F:C18	6:D:533:17F:H20	0.81	2.04	4	2
6:A:213:17F:H10A	6:A:213:17F:C1Y	0.81	2.02	6	2
6:A:213:17F:H74	6:E:819:17F:C42	0.81	2.05	20	2
6:E:808:17F:H20A	6:E:819:17F:C9	0.81	2.05	5	5
6:B:208:17F:H46	6:B:208:17F:C30	0.81	2.05	15	11
6:E:842:17F:H56	6:E:842:17F:H42	0.81	1.52	3	8
1:A:47:ASP:HA	1:B:128:LYS:HB3	0.81	1.52	4	1
5:A:218:7Q9:C1	6:D:511:17F:H6	0.81	2.06	12	3
5:E:805:7Q9:C1	6:E:812:17F:H19	0.81	2.05	9	2
6:D:510:17F:H5	6:D:533:17F:H19	0.81	1.51	1	1
6:D:510:17F:H78	6:D:510:17F:C30	0.81	2.06	8	4
6:D:511:17F:H77	6:D:511:17F:H49	0.81	1.52	9	13
6:D:510:17F:H49	6:D:517:17F:H67	0.81	1.49	12	9
6:E:808:17F:C31	6:E:820:17F:H29	0.81	2.06	4	3
6:D:510:17F:C8	6:D:517:17F:H8A	0.81	2.06	19	5
6:D:517:17F:H41	6:D:533:17F:C22	0.81	2.04	15	7
2:E:733:LEU:HG	5:E:876:7Q9:C37	0.81	2.06	19	15
6:B:208:17F:H55	6:B:208:17F:C26	0.81	2.04	3	11
6:E:857:17F:H68	6:E:875:17F:H60	0.81	1.50	9	2
6:E:819:17F:C10	6:E:820:17F:H30	0.81	2.05	20	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:13:GLY:HA2	3:A:201:GSP:H5'1	0.81	1.49	4	8
6:D:510:17F:C1X	6:D:510:17F:H43	0.81	2.06	12	1
6:E:806:17F:H54	6:E:806:17F:C26	0.81	2.06	5	20
1:B:32:TYR:HD2	3:B:201:GSP:H5'2	0.81	1.35	2	1
6:A:213:17F:H40	6:A:213:17F:H12	0.81	1.52	19	2
6:E:857:17F:H36	6:E:857:17F:C31	0.81	2.04	3	7
6:E:810:17F:H57	6:E:810:17F:H36	0.81	1.52	13	2
6:E:820:17F:H45	6:E:820:17F:C22	0.81	2.06	19	3
6:A:208:17F:H62	6:A:208:17F:H35	0.81	1.50	8	4
6:D:520:17F:H55	6:D:520:17F:H72	0.81	1.53	1	2
6:E:875:17F:O3	6:E:875:17F:H6	0.81	1.74	18	9
6:D:519:17F:H69	6:D:519:17F:H52	0.81	1.50	5	6
6:D:534:17F:H42	6:D:534:17F:C28	0.81	2.05	20	20
6:E:839:17F:H11	6:E:839:17F:C36	0.81	2.05	13	8
6:E:839:17F:H10A	6:E:857:17F:H12	0.81	1.50	7	3
6:D:518:17F:H76	6:D:518:17F:H53	0.81	1.52	7	5
6:E:802:17F:H77	6:E:802:17F:H49	0.81	1.53	2	4
5:E:870:7Q9:O12	6:E:873:17F:H9	0.81	1.75	10	8
6:A:213:17F:H53	5:D:503:7Q9:C315	0.81	2.06	8	1
6:D:539:17F:H62	6:D:539:17F:C21	0.81	2.05	12	5
6:E:839:17F:H48	6:E:839:17F:H71	0.80	1.53	20	5
6:A:208:17F:H41	6:A:219:17F:C12	0.80	2.06	13	2
6:A:219:17F:H9	5:D:505:7Q9:C34	0.80	2.04	7	4
5:A:211:7Q9:C311	6:A:213:17F:H65	0.80	2.06	17	1
6:A:219:17F:H39	6:A:219:17F:C11	0.80	2.05	6	7
6:E:839:17F:H70	6:E:875:17F:H53	0.80	1.50	14	2
5:D:523:7Q9:C32	6:D:552:17F:H36	0.80	2.05	4	5
6:A:213:17F:H30	5:D:509:7Q9:C23	0.80	2.06	11	1
6:D:518:17F:H33	5:D:528:7Q9:C37	0.80	2.07	1	7
6:E:802:17F:H10	6:E:802:17F:H18	0.80	1.54	18	8
6:E:818:17F:H18	5:E:821:7Q9:C22	0.80	2.07	5	1
6:D:510:17F:H6A	6:D:533:17F:H19A	0.80	1.53	10	1
6:D:510:17F:H47	6:D:517:17F:H37	0.80	1.52	13	2
6:A:208:17F:H49	6:A:208:17F:C38	0.80	2.05	8	10
6:E:857:17F:C38	6:E:875:17F:H61	0.80	2.06	5	4
6:E:808:17F:C31	6:E:808:17F:H30	0.80	2.06	8	1
6:E:808:17F:H30	6:E:808:17F:H57	0.80	1.53	8	1
5:A:211:7Q9:C312	6:A:213:17F:H63	0.80	2.06	9	2
6:E:839:17F:H33	6:E:839:17F:C23	0.80	2.07	11	5
6:E:875:17F:H36	6:E:875:17F:H41	0.80	1.52	3	19
6:A:219:17F:H31	5:E:801:7Q9:C34	0.80	2.06	5	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:D:512:7Q9:C33	6:D:534:17F:H6A	0.80	2.06	4	2
6:D:533:17F:H50	6:D:533:17F:H78	0.80	1.52	12	1
6:D:510:17F:H53	6:D:510:17F:H78	0.80	1.51	16	4
6:A:213:17F:H31	6:A:213:17F:C10	0.80	2.03	6	4
6:A:213:17F:H60	6:A:213:17F:H41	0.80	1.54	20	1
6:B:208:17F:H55	6:B:208:17F:H64	0.80	1.53	20	1
6:E:808:17F:H51	6:E:808:17F:C42	0.80	2.06	6	11
6:E:857:17F:H46	6:E:857:17F:H59	0.80	1.50	13	5
6:D:539:17F:H59	6:D:539:17F:C36	0.80	2.02	8	1
6:D:510:17F:C12	6:D:517:17F:C8	0.80	2.58	18	13
6:E:808:17F:H55	6:E:819:17F:H75	0.80	1.52	4	2
6:A:208:17F:H34	6:A:208:17F:H40	0.80	1.52	19	5
6:A:213:17F:H8	6:A:213:17F:C1Y	0.80	2.05	11	1
6:D:533:17F:H39	6:D:533:17F:H68	0.80	1.54	3	1
5:B:209:7Q9:C23	6:D:520:17F:H31	0.80	2.06	9	1
1:B:32:TYR:CD1	3:B:201:GSP:H5'2	0.79	2.12	17	6
6:B:208:17F:C27	6:E:812:17F:H70	0.79	2.07	3	1
6:D:518:17F:C20	6:D:518:17F:H36	0.79	2.07	8	9
6:D:519:17F:H48	6:D:519:17F:C37	0.79	2.07	18	7
6:E:802:17F:O10	6:E:808:17F:N1	0.79	2.15	12	6
6:E:808:17F:C26	6:E:810:17F:H62	0.79	2.07	8	2
6:D:510:17F:H20A	6:D:517:17F:C8	0.79	2.07	17	1
6:E:808:17F:H68	6:E:819:17F:H38	0.79	1.51	12	5
6:D:519:17F:H52	6:D:519:17F:C37	0.79	2.07	9	10
5:A:206:7Q9:C15	6:A:213:17F:H5	0.79	2.07	15	1
6:E:839:17F:C36	6:E:839:17F:H11	0.79	2.07	20	1
6:E:875:17F:H49	6:E:875:17F:C42	0.79	2.08	13	5
5:E:849:7Q9:C34	5:E:852:7Q9:C32	0.79	2.61	20	14
6:A:208:17F:H57	6:A:208:17F:C25	0.79	2.03	16	11
6:D:510:17F:C9	6:D:517:17F:C8	0.79	2.59	10	10
6:E:806:17F:H72	6:E:806:17F:C30	0.79	2.07	3	1
6:E:819:17F:C42	6:E:819:17F:H47	0.79	2.07	3	1
5:A:215:7Q9:C38	6:D:511:17F:H72	0.79	2.08	7	4
6:D:510:17F:O10	6:D:510:17F:H4	0.79	1.78	15	20
6:E:806:17F:H54	6:E:806:17F:H72	0.79	1.55	20	6
5:E:858:7Q9:C310	6:E:875:17F:H48	0.79	2.08	19	3
6:D:510:17F:H18	6:D:517:17F:C10	0.79	2.08	6	3
6:D:510:17F:O2	6:D:510:17F:N1	0.79	2.14	20	12
6:E:839:17F:H65	6:E:839:17F:H57	0.79	1.54	4	7
5:E:858:7Q9:C39	6:E:875:17F:H44	0.79	2.08	19	2
6:D:540:17F:H64	6:D:540:17F:C2X	0.79	2.06	10	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:539:17F:H43	6:D:539:17F:C37	0.79	2.08	8	1
6:E:842:17F:H2	6:E:842:17F:H4A	0.78	1.54	20	2
6:E:810:17F:H10A	5:E:811:7Q9:C34	0.78	2.07	3	2
6:A:208:17F:H33	6:A:219:17F:C10	0.78	2.08	4	3
6:D:519:17F:H43	6:D:519:17F:H68	0.78	1.53	10	1
6:A:208:17F:C1Y	6:A:219:17F:H10A	0.78	2.08	8	4
6:D:510:17F:H4A	6:D:517:17F:C4	0.78	2.08	15	9
5:D:512:7Q9:O13	6:D:534:17F:H4A	0.78	1.77	19	2
6:E:875:17F:O9	6:E:875:17F:H1A	0.78	1.77	19	6
6:D:552:17F:H57	6:D:552:17F:O8	0.78	1.76	15	7
6:E:819:17F:H18A	6:E:842:17F:C33	0.78	2.09	12	2
6:E:839:17F:C1Z	6:E:839:17F:H40	0.78	2.08	8	8
6:A:208:17F:H43	6:A:208:17F:H57	0.78	1.53	2	2
6:E:808:17F:H33	6:E:819:17F:C10	0.78	2.07	3	2
6:E:806:17F:C26	6:E:806:17F:H68	0.78	2.08	13	2
6:D:510:17F:O6	6:D:517:17F:H4	0.78	1.76	20	4
6:A:213:17F:H12	6:A:213:17F:H20	0.78	1.54	5	3
6:A:219:17F:H6	6:D:518:17F:H9	0.78	1.54	7	3
6:D:510:17F:H78	6:D:510:17F:H53	0.78	1.56	8	1
6:A:213:17F:H40	6:A:213:17F:C12	0.78	2.09	19	2
6:D:510:17F:H46	6:D:517:17F:C36	0.78	2.08	12	9
6:E:820:17F:H38	6:E:820:17F:C26	0.78	2.08	19	8
6:D:510:17F:C28	6:D:517:17F:H37	0.78	2.07	3	2
6:A:213:17F:H60	6:A:213:17F:H40	0.78	1.54	9	2
6:D:510:17F:H19	6:D:533:17F:C19	0.78	2.08	7	3
6:E:820:17F:O10	6:E:820:17F:H6A	0.78	1.79	1	17
6:E:873:17F:H62	6:E:873:17F:H57	0.78	1.56	5	9
2:D:305:GLN:HE22	6:D:533:17F:H10A	0.78	1.36	15	4
6:A:213:17F:H10	6:A:213:17F:C34	0.78	2.08	19	1
5:B:205:7Q9:C312	6:B:208:17F:H35	0.77	2.08	7	4
6:D:520:17F:H11	6:D:520:17F:H32	0.77	1.54	3	7
6:D:534:17F:H35	5:D:538:7Q9:C315	0.77	2.08	3	1
6:D:518:17F:O10	6:D:518:17F:H6A	0.77	1.79	20	16
6:A:208:17F:H41	6:A:219:17F:C22	0.77	2.08	8	2
6:E:802:17F:C35	6:E:802:17F:H57	0.77	2.07	11	3
2:D:269:GLN:HG2	6:D:540:17F:H33	0.77	1.56	14	4
5:B:205:7Q9:C313	6:B:208:17F:H72	0.77	2.08	5	1
6:E:839:17F:H43	5:E:858:7Q9:C312	0.77	2.09	5	2
6:E:819:17F:H39	6:E:819:17F:C1X	0.77	2.02	17	9
6:E:808:17F:H56	6:E:820:17F:H29	0.77	1.56	4	4
5:D:543:7Q9:O31	6:D:552:17F:H29	0.77	1.79	20	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:A:220:17F:H63	6:A:220:17F:H32	0.77	1.56	18	2
6:E:808:17F:H71	6:E:819:17F:H47	0.77	1.53	13	4
6:D:519:17F:H66	6:D:519:17F:C23	0.77	2.07	10	1
6:D:518:17F:H29	6:D:518:17F:C19	0.77	2.09	4	5
6:A:219:17F:H68	6:A:219:17F:C34	0.77	2.10	12	18
6:B:208:17F:O1	6:B:208:17F:H5	0.77	1.80	9	12
5:B:205:7Q9:C314	6:B:208:17F:H77	0.77	2.09	3	1
6:D:510:17F:H12	6:D:517:17F:H8	0.77	1.54	18	2
2:D:334:LEU:HB2	5:D:538:7Q9:C312	0.77	2.10	10	15
6:D:510:17F:C6	6:D:533:17F:H19A	0.77	2.10	10	4
6:D:510:17F:H58	6:D:533:17F:H71	0.77	1.54	4	2
6:D:510:17F:H56	6:D:517:17F:H11A	0.77	1.55	20	1
6:E:806:17F:C30	6:E:806:17F:H72	0.77	2.10	20	5
6:E:842:17F:H56	6:E:842:17F:C24	0.77	2.10	3	4
6:D:518:17F:O6	6:D:518:17F:H2	0.77	1.79	4	6
6:E:819:17F:H78	6:E:819:17F:C27	0.77	2.10	17	7
6:D:510:17F:H67	6:D:510:17F:H51	0.77	1.55	15	3
6:D:510:17F:H19A	5:D:530:7Q9:C3	0.76	2.09	16	5
6:D:510:17F:C21	6:D:511:17F:H56	0.76	2.09	17	2
6:E:810:17F:H34	6:E:819:17F:C38	0.76	2.08	20	2
6:D:540:17F:H8A	5:D:545:7Q9:C313	0.76	2.09	2	4
6:D:540:17F:H44	6:D:540:17F:C34	0.76	2.09	6	9
6:E:819:17F:H1	5:E:838:7Q9:C13	0.76	2.09	5	2
6:B:208:17F:H41	5:E:824:7Q9:C316	0.76	2.10	7	2
6:A:208:17F:O10	6:A:219:17F:H10	0.76	1.80	7	1
6:A:213:17F:H12	6:A:213:17F:C1Y	0.76	2.09	10	3
6:E:842:17F:H2	6:E:842:17F:C4	0.76	2.09	20	1
6:E:839:17F:H12	6:E:857:17F:C12	0.76	2.09	20	3
6:E:806:17F:H60	5:E:811:7Q9:C35	0.76	2.10	20	2
6:D:520:17F:H19A	6:D:520:17F:H10	0.76	1.58	15	12
6:E:857:17F:H68	6:E:875:17F:C34	0.76	2.10	3	6
6:A:208:17F:H64	6:A:208:17F:C23	0.76	2.10	16	5
1:A:36:ILE:HA	1:A:59:ALA:HB2	0.76	1.56	20	6
6:E:818:17F:H10A	5:E:821:7Q9:C23	0.76	2.09	20	1
6:D:552:17F:H71	6:D:552:17F:H45	0.76	1.55	3	4
6:A:219:17F:H5	6:D:518:17F:C10	0.76	2.11	2	3
6:D:510:17F:C7	6:D:517:17F:H11A	0.76	2.10	15	7
6:A:208:17F:H43	6:A:208:17F:H58	0.76	1.56	13	3
6:E:802:17F:C42	6:E:802:17F:H50	0.76	2.10	6	1
6:E:820:17F:H61	5:E:837:7Q9:C32	0.76	2.11	14	1
5:D:515:7Q9:O31	6:D:519:17F:H19	0.76	1.80	19	7

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:540:17F:H65	6:D:540:17F:C32	0.76	2.11	15	14
6:E:839:17F:C27	6:E:839:17F:H77	0.76	2.10	12	10
6:A:219:17F:H46	5:D:505:7Q9:C37	0.76	2.11	6	2
5:A:212:7Q9:C314	6:A:219:17F:H54	0.76	2.11	16	2
6:D:533:17F:H36	6:D:533:17F:C24	0.76	1.98	2	1
6:E:808:17F:C41	6:E:808:17F:H51	0.76	2.10	5	5
6:E:842:17F:H59	6:E:842:17F:H64	0.76	1.58	14	12
6:D:518:17F:C19	6:D:518:17F:H29	0.76	2.11	11	1
6:A:220:17F:H45	5:E:811:7Q9:C318	0.76	2.11	13	1
6:E:820:17F:C32	6:E:820:17F:H44	0.76	2.11	9	8
1:A:135:ARG:HB2	1:B:161:ARG:HD2	0.76	1.56	4	2
6:E:808:17F:C28	6:E:810:17F:H62	0.76	2.11	20	5
6:E:839:17F:C27	6:E:839:17F:H78	0.76	2.11	18	2
6:A:208:17F:C36	6:A:208:17F:H39	0.76	2.11	7	1
6:A:208:17F:H39	6:A:208:17F:C36	0.76	2.10	17	3
6:D:519:17F:H43	6:D:519:17F:C38	0.76	2.11	10	1
6:A:213:17F:H42	6:A:213:17F:H34	0.76	1.58	20	1
6:D:510:17F:O7	6:D:517:17F:C9	0.75	2.35	17	9
5:B:205:7Q9:C313	6:B:208:17F:H65	0.75	2.11	7	9
6:E:873:17F:H48	6:E:873:17F:H60	0.75	1.58	14	5
6:A:208:17F:H10	6:A:208:17F:O6	0.75	1.82	20	3
6:D:510:17F:O6	6:D:517:17F:H4A	0.75	1.81	1	12
6:E:839:17F:C33	6:E:839:17F:H9A	0.75	2.11	1	10
5:D:543:7Q9:C3	6:D:552:17F:H11A	0.75	2.10	17	4
6:E:857:17F:H78	6:E:875:17F:H65	0.75	1.59	19	4
6:A:208:17F:H39	6:A:208:17F:H68	0.75	1.55	6	2
6:D:540:17F:H10	5:D:545:7Q9:C36	0.75	2.11	7	5
5:D:541:7Q9:C318	6:E:839:17F:H51	0.75	2.11	20	2
6:D:510:17F:O7	6:D:517:17F:H11A	0.75	1.82	4	5
6:D:534:17F:H35	5:D:538:7Q9:C317	0.75	2.11	4	2
6:D:510:17F:H68	6:D:510:17F:H53	0.75	1.58	5	1
6:E:808:17F:C33	6:E:820:17F:H29	0.75	2.11	8	4
2:D:305:GLN:OE1	6:D:533:17F:H10A	0.75	1.81	1	4
5:B:205:7Q9:C314	6:B:208:17F:H44	0.75	2.10	8	4
6:E:808:17F:H47	6:E:808:17F:H74	0.75	1.58	3	1
5:D:549:7Q9:C312	5:D:549:7Q9:C38	0.75	2.62	19	3
6:A:219:17F:H48	6:A:219:17F:H74	0.75	1.57	14	1
6:A:213:17F:H53	5:D:531:7Q9:C318	0.75	2.11	18	1
5:D:505:7Q9:C15	6:D:518:17F:H6	0.75	2.11	7	2
6:D:510:17F:H74	6:D:533:17F:H76	0.75	1.57	19	1
6:A:219:17F:O10	6:A:219:17F:H6A	0.75	1.81	5	9

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:511:17F:H4	6:D:511:17F:O10	0.75	1.82	7	19
5:B:205:7Q9:C316	6:B:208:17F:H50	0.75	2.10	3	1
1:B:32:TYR:HD1	3:B:201:GSP:H5'2	0.75	1.42	17	6
6:D:517:17F:H55	6:D:517:17F:H70	0.75	1.56	12	1
6:E:810:17F:H10A	5:E:811:7Q9:O32	0.75	1.81	4	3
6:A:213:17F:H20A	6:A:213:17F:C22	0.75	2.12	18	2
5:D:505:7Q9:C15	6:D:518:17F:H6A	0.75	2.12	2	4
6:E:802:17F:H40	5:E:805:7Q9:C37	0.75	2.11	10	4
6:B:208:17F:H38	5:E:824:7Q9:C318	0.75	2.11	3	1
5:E:858:7Q9:C36	6:E:875:17F:H37	0.75	2.10	3	2
5:D:541:7Q9:C318	6:E:875:17F:H55	0.75	2.12	7	1
6:E:857:17F:H65	6:E:875:17F:H60	0.75	1.58	18	2
6:D:520:17F:H62	6:D:520:17F:C31	0.75	2.08	11	1
6:A:219:17F:H68	6:A:219:17F:C33	0.75	2.12	18	1
6:E:802:17F:H31	5:E:804:7Q9:C23	0.75	2.10	2	4
6:E:808:17F:C1Z	6:E:819:17F:H9A	0.75	2.10	17	3
6:A:213:17F:H42	5:D:507:7Q9:C35	0.75	2.11	7	1
6:D:520:17F:H30	5:D:550:7Q9:C318	0.75	2.11	9	1
6:D:510:17F:P1	6:D:517:17F:H6	0.74	2.22	5	6
6:D:540:17F:H59	6:D:540:17F:C36	0.74	2.08	13	13
6:E:810:17F:H10A	5:E:811:7Q9:C33	0.74	2.12	17	3
6:E:857:17F:C37	6:E:875:17F:H61	0.74	2.11	17	4
6:E:873:17F:H20	6:E:873:17F:H39	0.74	1.59	14	10
6:D:510:17F:H53	6:D:510:17F:H76	0.74	1.58	7	2
6:E:875:17F:C28	6:E:875:17F:H78	0.74	2.11	7	2
6:A:213:17F:C24	6:A:213:17F:H34	0.74	2.12	20	1
6:E:820:17F:H45	6:E:820:17F:H38	0.74	1.57	16	14
6:E:808:17F:H38	6:E:810:17F:H58	0.74	1.56	15	5
6:E:819:17F:H40	6:E:820:17F:H39	0.74	1.60	12	1
6:E:808:17F:H42	6:E:810:17F:C34	0.74	2.11	13	3
6:D:552:17F:H31	6:D:552:17F:C17	0.74	2.12	17	20
6:E:839:17F:H56	6:E:839:17F:C19	0.74	2.11	2	20
6:A:208:17F:H78	5:E:805:7Q9:C318	0.74	2.12	9	4
2:E:638:GLN:HB2	5:E:863:7Q9:C311	0.74	2.12	4	7
3:B:201:GSP:O2A	3:B:201:GSP:S1G	0.74	2.45	7	4
6:E:857:17F:H37	6:E:875:17F:H61	0.74	1.57	8	1
6:D:511:17F:H69	6:D:511:17F:C32	0.74	2.12	12	5
6:E:810:17F:H52	6:E:810:17F:C34	0.74	2.11	10	6
6:E:818:17F:H5	5:E:821:7Q9:C13	0.74	2.13	10	1
6:E:842:17F:O10	6:E:842:17F:H6A	0.74	1.82	1	18
6:E:871:17F:O10	6:E:871:17F:H6A	0.74	1.81	4	14

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:E:875:17F:H6	6:E:875:17F:P1	0.74	2.23	20	20
6:A:208:17F:C39	6:A:208:17F:H54	0.74	2.11	12	2
6:D:510:17F:H8	6:D:517:17F:C17	0.74	2.13	8	13
5:D:531:7Q9:C311	5:D:531:7Q9:C37	0.74	2.62	5	15
6:D:533:17F:H72	6:D:533:17F:H46	0.74	1.57	17	2
6:E:857:17F:C31	6:E:857:17F:H36	0.74	2.12	4	4
5:D:543:7Q9:C32	6:D:552:17F:H29	0.74	2.13	3	3
6:E:819:17F:H10A	6:E:820:17F:C10	0.74	2.13	16	1
6:D:540:17F:H1A	5:D:545:7Q9:C32	0.74	2.12	5	2
6:D:510:17F:H9	6:D:517:17F:C1X	0.74	2.10	13	1
6:D:539:17F:H19	6:D:539:17F:H2	0.74	1.59	2	1
6:D:510:17F:H50	6:D:517:17F:C21	0.74	2.13	3	4
6:A:220:17F:H41	6:A:220:17F:C37	0.74	2.11	6	1
6:A:213:17F:C23	6:A:213:17F:H11A	0.74	2.13	9	2
6:D:533:17F:H1A	5:D:541:7Q9:C13	0.74	2.12	14	2
5:E:862:7Q9:C314	5:E:862:7Q9:C310	0.74	2.66	1	20
6:D:517:17F:H38	6:D:533:17F:H38	0.74	1.58	12	1
6:A:208:17F:H78	6:B:208:17F:C38	0.73	2.09	1	2
6:E:857:17F:H56	6:E:857:17F:H63	0.73	1.58	16	15
6:D:510:17F:H76	6:D:517:17F:C40	0.73	2.10	5	2
5:A:211:7Q9:C311	6:A:213:17F:H70	0.73	2.13	17	1
5:E:834:7Q9:C32	6:E:839:17F:H31	0.73	2.13	12	3
6:A:208:17F:H58	6:A:208:17F:H40	0.73	1.56	16	7
6:E:806:17F:H37	6:E:806:17F:C19	0.73	2.13	20	3
6:E:808:17F:H49	6:E:810:17F:H64	0.73	1.58	4	3
5:E:804:7Q9:O31	6:E:808:17F:H8A	0.73	1.83	17	2
5:E:833:7Q9:C22	6:E:839:17F:H6A	0.73	2.12	11	4
6:B:208:17F:H63	6:B:208:17F:C31	0.73	2.13	20	10
6:D:510:17F:O9	6:D:517:17F:C9	0.73	2.37	5	19
6:E:873:17F:H20	6:E:873:17F:H40	0.73	1.57	13	6
6:A:208:17F:H19	5:D:505:7Q9:C32	0.73	2.13	3	1
6:E:839:17F:H52	5:E:858:7Q9:C312	0.73	2.13	17	4
6:D:519:17F:H66	6:D:519:17F:H43	0.73	1.58	12	1
6:D:510:17F:H18A	6:D:533:17F:C19	0.73	2.13	17	1
5:B:205:7Q9:C310	6:B:208:17F:H66	0.73	2.14	15	6
5:A:205:7Q9:C314	6:E:806:17F:H75	0.73	2.14	17	4
6:E:871:17F:H9A	5:E:872:7Q9:C22	0.73	2.12	6	1
6:E:802:17F:H43	5:E:807:7Q9:C316	0.73	2.13	11	1
6:A:219:17F:H63	6:A:219:17F:H40	0.73	1.58	15	2
6:E:820:17F:H44	6:E:820:17F:C32	0.73	2.13	5	7
6:D:533:17F:H42	6:D:533:17F:C2X	0.73	2.09	2	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:E:819:17F:H10	6:E:820:17F:C10	0.73	2.14	7	3
1:A:128:LYS:HG2	1:B:47:ASP:HA	0.73	1.58	7	1
6:D:510:17F:C7	6:D:517:17F:H11	0.73	2.13	19	3
6:D:520:17F:H49	5:E:840:7Q9:C317	0.73	2.13	9	3
6:A:213:17F:H74	6:E:808:17F:C30	0.73	2.13	3	1
6:E:839:17F:H12	6:E:857:17F:H9	0.73	1.57	4	1
5:E:870:7Q9:C23	6:E:873:17F:H10	0.73	2.12	5	7
6:A:208:17F:H39	6:A:208:17F:H65	0.73	1.58	7	1
6:A:219:17F:H46	5:D:505:7Q9:C312	0.73	2.14	9	3
6:E:808:17F:C42	6:E:808:17F:H51	0.73	2.13	20	1
6:E:808:17F:H75	6:E:819:17F:C30	0.73	2.13	11	3
6:D:510:17F:H46	6:D:517:17F:C37	0.73	2.14	12	6
6:D:510:17F:H6	6:D:517:17F:H4A	0.73	1.59	12	8
5:D:506:7Q9:C316	6:E:818:17F:H42	0.73	2.12	4	2
5:E:851:7Q9:C316	6:E:871:17F:H60	0.73	2.13	3	4
5:E:825:7Q9:C33	6:E:842:17F:H34	0.73	2.13	5	1
6:E:820:17F:H52	6:E:820:17F:C40	0.73	2.13	14	4
6:E:810:17F:C1Z	6:E:819:17F:H68	0.73	2.12	20	2
6:A:208:17F:H38	6:B:208:17F:C33	0.73	2.12	7	1
6:D:533:17F:H77	6:D:533:17F:C28	0.73	2.14	17	3
6:B:208:17F:O10	6:B:208:17F:H6A	0.73	1.84	6	19
6:D:518:17F:H20	6:D:518:17F:C2X	0.73	2.12	14	5
6:E:839:17F:H65	6:E:839:17F:H11	0.73	1.58	2	2
3:A:201:GSP:O2A	3:A:201:GSP:S1G	0.73	2.47	16	4
6:B:208:17F:H10	5:B:209:7Q9:C39	0.73	2.14	9	2
6:A:219:17F:H56	6:A:219:17F:C35	0.73	2.13	11	3
6:E:842:17F:H37	5:E:877:7Q9:O32	0.73	1.84	17	1
6:E:820:17F:H20	5:E:830:7Q9:O14	0.73	1.84	18	3
6:A:208:17F:H1	6:A:208:17F:H4A	0.73	1.59	20	1
2:E:733:LEU:HA	5:E:876:7Q9:C311	0.72	2.14	18	12
6:D:518:17F:H44	6:D:518:17F:C32	0.72	2.13	2	4
6:E:808:17F:C20	6:E:819:17F:H9A	0.72	2.14	17	5
6:E:818:17F:H61	5:E:827:7Q9:C36	0.72	2.13	4	2
6:E:808:17F:H51	6:E:808:17F:C41	0.72	2.14	20	8
6:D:510:17F:O7	6:D:517:17F:O7	0.72	2.07	2	20
6:A:220:17F:H61	6:A:220:17F:H50	0.72	1.60	2	1
6:D:510:17F:O9	6:D:517:17F:H11A	0.72	1.84	13	4
6:D:510:17F:H9	6:D:517:17F:H9	0.72	1.57	8	2
6:D:510:17F:H67	6:D:510:17F:C29	0.72	2.14	15	2
6:A:213:17F:H8A	6:A:213:17F:C12	0.72	2.09	11	2
6:E:819:17F:H78	6:E:819:17F:C26	0.72	2.13	20	8

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:D:515:7Q9:C313	6:D:519:17F:H78	0.72	2.13	5	4
6:E:819:17F:H47	6:E:819:17F:H78	0.72	1.60	2	2
6:A:208:17F:H20A	6:A:219:17F:H10A	0.72	1.60	3	2
6:A:208:17F:H30	6:B:208:17F:H31	0.72	1.61	4	3
6:A:208:17F:H1	6:A:208:17F:C4	0.72	2.11	5	3
6:D:510:17F:H54	6:D:517:17F:H71	0.72	1.60	15	6
6:A:213:17F:H56	6:A:213:17F:H63	0.72	1.59	5	6
5:D:506:7Q9:C32	6:D:517:17F:H20	0.72	2.13	8	5
6:A:213:17F:H31	6:A:213:17F:C8	0.72	2.07	11	1
6:D:510:17F:C20	6:D:517:17F:H9A	0.72	2.15	15	1
6:E:808:17F:H49	6:E:810:17F:C36	0.72	2.15	4	5
6:E:820:17F:H44	6:E:820:17F:H57	0.72	1.60	14	8
6:E:839:17F:HN1A	6:E:875:17F:H6A	0.72	1.43	20	2
6:D:510:17F:H49	6:D:517:17F:H69	0.72	1.61	8	1
5:E:834:7Q9:C311	6:E:839:17F:H45	0.72	2.14	11	2
6:A:220:17F:H76	5:E:825:7Q9:C315	0.72	2.14	20	1
6:D:518:17F:H34	5:D:551:7Q9:C39	0.72	2.14	17	6
6:E:839:17F:N1	6:E:839:17F:O2	0.72	2.22	2	1
6:E:873:17F:C23	6:E:873:17F:H20	0.72	2.15	15	5
6:E:802:17F:H33	6:E:802:17F:C2X	0.72	2.14	19	13
6:E:820:17F:H65	5:E:837:7Q9:C38	0.72	2.14	7	3
6:E:857:17F:H30	6:E:875:17F:H60	0.72	1.61	8	1
6:A:213:17F:C2X	6:A:213:17F:H42	0.72	2.14	16	2
6:D:520:17F:H56	6:D:520:17F:C35	0.72	2.10	11	2
6:D:510:17F:H56	6:D:517:17F:H29	0.72	1.61	11	1
6:E:857:17F:H57	6:E:857:17F:H40	0.72	1.60	13	2
6:D:520:17F:H70	6:D:520:17F:H55	0.72	1.61	18	2
5:A:215:7Q9:C38	6:D:510:17F:H39	0.72	2.14	18	1
6:D:510:17F:O2	6:D:517:17F:H6	0.72	1.85	5	6
6:E:819:17F:H59	6:E:819:17F:H65	0.72	1.61	14	5
6:E:829:17F:N1	5:E:849:7Q9:O14	0.72	2.23	4	4
6:B:208:17F:H42	6:B:208:17F:H35	0.72	1.60	17	3
6:E:842:17F:H37	5:E:877:7Q9:O31	0.72	1.85	20	4
6:E:857:17F:H29	6:E:875:17F:C33	0.72	2.14	4	1
6:A:219:17F:O10	6:D:518:17F:H11	0.72	1.84	9	2
6:D:510:17F:C8	6:D:517:17F:C19	0.72	2.65	8	11
6:D:510:17F:H70	6:D:511:17F:H74	0.72	1.61	16	2
6:E:820:17F:H75	5:E:830:7Q9:C22	0.72	2.15	10	1
6:A:213:17F:H40	6:A:213:17F:C1Y	0.72	2.14	20	1
6:D:510:17F:O10	6:D:510:17F:C4	0.72	2.38	9	13
6:D:518:17F:H18	5:D:528:7Q9:C3	0.72	2.14	17	8

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:E:856:17F:H53	5:E:868:7Q9:C315	0.72	2.15	20	2
6:E:806:17F:H45	6:E:806:17F:H72	0.72	1.60	13	2
2:D:426:LYS:HG2	6:D:539:17F:H71	0.72	1.60	13	3
6:E:819:17F:C12	6:E:820:17F:H9A	0.72	2.12	12	1
6:A:208:17F:H76	5:E:813:7Q9:C318	0.72	2.15	17	1
6:D:517:17F:H42	6:D:533:17F:H38	0.72	1.59	19	1
5:D:521:7Q9:C38	6:D:540:17F:H45	0.72	2.13	19	1
5:E:825:7Q9:C34	6:E:842:17F:H20A	0.72	2.15	7	3
6:A:213:17F:H60	6:A:213:17F:H39	0.72	1.60	7	1
3:A:201:GSP:O2A	3:A:201:GSP:H3'	0.72	1.85	11	2
6:D:510:17F:H20A	6:D:517:17F:H10	0.72	1.62	15	2
6:E:875:17F:H78	6:E:875:17F:C27	0.71	2.14	2	5
6:A:208:17F:H45	6:A:208:17F:H70	0.71	1.62	3	1
6:E:819:17F:H1A	5:E:836:7Q9:P	0.71	2.25	4	6
6:D:540:17F:H35	6:D:540:17F:C34	0.71	2.15	7	10
6:A:208:17F:N1	6:A:219:17F:O4	0.71	2.19	18	1
6:E:871:17F:H9A	5:E:872:7Q9:O14	0.71	1.86	15	3
6:A:220:17F:H67	6:A:220:17F:C30	0.71	2.12	9	5
6:E:871:17F:H58	6:E:871:17F:C21	0.71	2.15	6	8
5:E:851:7Q9:C313	6:E:871:17F:H20	0.71	2.15	7	2
6:D:511:17F:C30	6:E:829:17F:H54	0.71	2.14	18	3
6:D:518:17F:H36	6:D:518:17F:C20	0.71	2.15	12	8
6:A:220:17F:H72	5:D:515:7Q9:C318	0.71	2.15	18	1
6:E:875:17F:O9	6:E:875:17F:H1	0.71	1.84	18	1
6:E:820:17F:C7	6:E:820:17F:H4A	0.71	2.16	5	10
6:A:213:17F:H46	6:A:213:17F:H66	0.71	1.63	5	1
6:D:519:17F:O10	6:D:519:17F:H6A	0.71	1.86	6	4
1:B:32:TYR:HE1	3:B:201:GSP:H5'2	0.71	1.45	11	1
6:A:213:17F:H29	5:D:509:7Q9:O22	0.71	1.84	18	1
6:E:819:17F:H61	6:E:842:17F:C38	0.71	2.16	19	5
6:E:839:17F:H59	6:E:839:17F:H18A	0.71	1.60	2	9
5:E:849:7Q9:C312	5:E:852:7Q9:C35	0.71	2.69	3	16
6:A:213:17F:O1	6:A:213:17F:C20	0.71	2.38	5	6
6:D:517:17F:O10	6:D:517:17F:H6A	0.71	1.85	11	12
6:E:808:17F:H58	6:E:808:17F:H30	0.71	1.63	20	4
1:A:162:GLU:HA	1:A:165:LYS:HD3	0.71	1.63	13	1
1:B:92:ASP:HA	1:B:95:HIS:HD2	0.71	1.46	1	1
6:D:510:17F:O6	6:D:517:17F:C4	0.71	2.39	20	13
6:A:213:17F:H37	5:D:509:7Q9:O22	0.71	1.85	2	2
6:A:219:17F:H5	6:D:518:17F:C11	0.71	2.16	19	4
5:E:805:7Q9:C312	5:E:805:7Q9:C38	0.71	2.68	9	11

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:518:17F:H19	6:D:518:17F:H29	0.71	1.62	11	2
2:D:333:LYS:HE2	5:E:878:7Q9:C318	0.71	2.16	1	3
2:E:620:GLU:HA	5:E:859:7Q9:C311	0.71	2.16	19	17
6:D:520:17F:H54	5:E:841:7Q9:C318	0.71	2.16	4	3
6:D:540:17F:N1	5:D:545:7Q9:O14	0.71	2.23	6	4
2:D:327:GLN:HG3	6:D:534:17F:H78	0.71	1.62	14	3
6:D:517:17F:C37	6:D:517:17F:H49	0.71	2.15	13	1
5:D:506:7Q9:C311	6:D:517:17F:H55	0.71	2.15	20	2
5:A:217:7Q9:C39	5:A:217:7Q9:C35	0.71	2.68	10	20
6:E:857:17F:H70	6:E:875:17F:C34	0.71	2.16	16	6
5:E:865:7Q9:C39	5:E:865:7Q9:C35	0.71	2.69	11	20
6:A:220:17F:H5	6:A:220:17F:O8	0.71	1.86	8	18
1:A:128:LYS:HB2	1:B:47:ASP:HA	0.71	1.62	16	3
6:D:510:17F:C31	6:D:533:17F:H61	0.71	2.15	12	2
6:D:510:17F:H29	6:D:510:17F:H43	0.71	1.63	12	1
6:A:213:17F:H48	5:D:507:7Q9:C318	0.71	2.16	16	1
6:D:519:17F:C32	6:D:519:17F:C36	0.71	2.64	17	1
5:E:825:7Q9:O32	5:E:825:7Q9:C1	0.70	2.38	12	15
6:D:510:17F:C9	6:D:517:17F:O7	0.70	2.36	14	5
6:E:873:17F:O10	6:E:873:17F:H6A	0.70	1.86	3	10
6:A:208:17F:C1Z	6:A:219:17F:H10	0.70	2.11	4	2
6:D:519:17F:H66	6:D:519:17F:H48	0.70	1.61	6	1
6:E:810:17F:N1	6:E:819:17F:O8	0.70	2.24	14	2
6:A:213:17F:H31	6:A:213:17F:C23	0.70	2.13	1	2
2:D:334:LEU:HB3	5:D:538:7Q9:C310	0.70	2.16	20	9
6:E:829:17F:O10	6:E:829:17F:H6A	0.70	1.84	6	20
6:D:517:17F:H44	6:D:533:17F:C22	0.70	2.16	3	1
6:E:819:17F:C12	6:E:820:17F:H30	0.70	2.16	3	1
5:A:215:7Q9:C318	6:D:517:17F:H75	0.70	2.16	1	1
5:D:513:7Q9:C312	6:D:534:17F:H65	0.70	2.16	1	4
6:A:208:17F:H30	6:B:208:17F:C1Y	0.70	2.14	12	3
5:A:211:7Q9:C317	6:A:220:17F:H70	0.70	2.16	1	1
5:D:514:7Q9:C33	5:D:514:7Q9:C37	0.70	2.70	3	15
6:E:812:17F:H5	5:E:824:7Q9:C11	0.70	2.16	19	9
6:A:208:17F:H69	6:B:208:17F:C38	0.70	2.15	4	1
6:E:820:17F:H18	5:E:853:7Q9:C14	0.70	2.16	9	1
6:E:857:17F:H46	6:E:857:17F:C32	0.70	2.15	13	1
1:B:37:GLU:HG2	1:B:56:LEU:HD11	0.70	1.62	15	2
6:D:510:17F:C7	6:D:517:17F:H19A	0.70	2.16	4	9
6:D:518:17F:H59	6:D:518:17F:C25	0.70	2.14	2	2
5:B:205:7Q9:C310	6:B:208:17F:H35	0.70	2.16	3	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:510:17F:H63	5:D:530:7Q9:C314	0.70	2.16	7	3
6:E:806:17F:H5	5:E:817:7Q9:C32	0.70	2.17	4	5
6:E:802:17F:H60	5:E:804:7Q9:C22	0.70	2.16	13	1
1:B:32:TYR:CE1	3:B:201:GSP:H5'2	0.70	2.21	11	3
5:E:805:7Q9:C31	6:E:812:17F:H31	0.70	2.16	13	4
6:A:219:17F:H47	5:D:505:7Q9:C312	0.70	2.15	2	5
6:D:511:17F:H66	6:D:511:17F:H39	0.70	1.62	14	5
6:A:208:17F:H70	6:A:208:17F:H49	0.70	1.63	13	2
6:D:518:17F:H69	5:D:528:7Q9:C311	0.70	2.17	7	1
6:A:219:17F:H34	5:E:801:7Q9:C36	0.70	2.16	12	3
5:E:803:7Q9:C314	6:E:810:17F:H66	0.70	2.16	17	1
6:E:802:17F:C17	6:E:802:17F:O8	0.70	2.39	18	19
5:E:809:7Q9:C37	5:E:809:7Q9:C33	0.70	2.70	11	20
6:E:819:17F:H61	6:E:842:17F:C37	0.70	2.16	16	6
6:D:518:17F:H36	6:D:518:17F:H20A	0.70	1.64	16	9
6:A:208:17F:H69	6:B:208:17F:H69	0.70	1.63	4	1
6:D:511:17F:C42	6:E:829:17F:H54	0.70	2.12	7	2
5:E:807:7Q9:C23	6:E:818:17F:H6A	0.70	2.17	12	1
6:E:810:17F:C1Y	6:E:819:17F:H63	0.70	2.17	17	1
6:D:533:17F:O9	6:D:533:17F:C1Y	0.70	2.35	1	13
5:E:851:7Q9:C36	6:E:871:17F:H20	0.70	2.16	1	3
6:E:810:17F:N1	6:E:819:17F:H6	0.70	2.02	10	3
6:D:511:17F:H38	5:D:513:7Q9:C315	0.70	2.17	10	2
6:D:510:17F:H29	6:D:510:17F:C23	0.70	2.16	12	1
6:D:518:17F:H58	5:D:528:7Q9:C38	0.70	2.17	7	8
6:E:808:17F:H38	6:E:810:17F:H32	0.70	1.64	12	5
6:D:517:17F:C25	6:D:533:17F:H38	0.70	2.16	3	4
5:A:211:7Q9:C318	6:E:810:17F:H54	0.70	2.17	5	1
2:D:421:VAL:HG21	2:E:735:GLU:HG2	0.70	1.62	5	3
6:D:533:17F:H77	6:D:533:17F:H46	0.70	1.63	8	1
6:D:533:17F:H55	6:D:533:17F:C42	0.70	2.16	16	1
6:B:208:17F:H4A	6:B:208:17F:O8	0.69	1.87	13	3
2:D:331:ARG:HA	5:D:538:7Q9:C310	0.69	2.17	3	5
6:E:808:17F:H4	6:E:808:17F:O10	0.69	1.85	16	15
6:A:219:17F:H4	6:A:219:17F:N1	0.69	2.01	17	1
6:B:208:17F:H12A	5:E:823:7Q9:C318	0.69	2.17	20	2
6:E:819:17F:C34	6:E:842:17F:H67	0.69	2.11	9	6
5:E:835:7Q9:C318	6:E:856:17F:H66	0.69	2.16	1	2
6:E:839:17F:H68	6:E:857:17F:H41	0.69	1.64	3	2
6:E:839:17F:C42	6:E:839:17F:H47	0.69	2.16	5	2
6:A:213:17F:H61	6:A:213:17F:H45	0.69	1.63	8	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:A:219:17F:C34	6:A:219:17F:H68	0.69	2.17	16	1
6:E:820:17F:H19A	5:E:853:7Q9:C32	0.69	2.17	2	1
6:E:839:17F:H33	6:E:839:17F:H35	0.69	1.62	17	4
2:E:555:SER:CA	6:E:873:17F:H65	0.69	2.17	8	7
6:E:802:17F:H33	6:E:802:17F:C21	0.69	2.17	15	7
6:E:808:17F:H33	6:E:819:17F:H10A	0.69	1.62	3	4
6:D:510:17F:C30	6:D:533:17F:H55	0.69	2.18	9	4
6:D:517:17F:C22	6:D:517:17F:C27	0.69	2.57	20	3
5:D:551:7Q9:C33	5:D:551:7Q9:C37	0.69	2.71	6	20
6:D:520:17F:O10	6:D:520:17F:H6A	0.69	1.87	5	2
6:D:510:17F:H9A	6:D:517:17F:C10	0.69	2.16	3	4
6:A:213:17F:H72	6:E:819:17F:H76	0.69	1.65	4	1
6:D:510:17F:O9	6:D:533:17F:H19A	0.69	1.86	5	5
6:E:839:17F:H38	5:E:858:7Q9:C312	0.69	2.17	7	2
1:A:84:ILE:HD11	1:A:118:CYS:HA	0.69	1.63	10	3
6:D:520:17F:H8A	5:D:545:7Q9:C37	0.69	2.17	7	1
5:A:209:7Q9:C313	5:A:209:7Q9:C317	0.69	2.71	9	5
5:D:512:7Q9:C13	6:D:534:17F:H1	0.69	2.17	9	1
6:A:208:17F:H49	6:A:208:17F:C39	0.69	2.18	13	3
6:E:808:17F:C18	6:E:810:17F:H18	0.69	2.18	10	2
6:A:213:17F:H47	5:D:507:7Q9:C318	0.69	2.18	11	1
6:A:213:17F:H47	5:D:507:7Q9:C316	0.69	2.16	17	1
5:E:814:7Q9:C39	6:E:820:17F:H49	0.69	2.17	14	3
5:E:841:7Q9:C32	5:E:841:7Q9:C36	0.69	2.70	11	20
6:A:208:17F:N1	6:A:219:17F:O5	0.69	2.22	10	6
6:D:517:17F:O2	6:D:517:17F:H5	0.69	1.86	13	13
2:D:327:GLN:HG3	6:D:534:17F:H56	0.69	1.64	3	2
6:E:873:17F:H29	6:E:873:17F:H19	0.69	1.63	7	3
6:D:519:17F:C38	6:D:519:17F:H52	0.69	2.17	7	1
5:B:205:7Q9:C39	6:B:208:17F:H9A	0.69	2.18	10	2
6:E:802:17F:H40	5:E:805:7Q9:C38	0.69	2.18	10	1
6:D:552:17F:H57	6:D:552:17F:O7	0.69	1.88	17	1
6:D:510:17F:H53	6:D:510:17F:C42	0.69	2.18	20	4
6:D:517:17F:H49	6:D:517:17F:C24	0.69	2.18	3	1
6:A:208:17F:H41	6:A:219:17F:H12A	0.69	1.64	13	2
6:E:808:17F:C34	6:E:820:17F:H29	0.69	2.18	14	4
6:E:856:17F:H68	6:E:856:17F:C22	0.69	2.16	19	6
6:A:213:17F:H53	5:D:503:7Q9:C314	0.69	2.17	8	1
6:E:857:17F:H29	6:E:875:17F:H60	0.69	1.63	8	1
5:A:212:7Q9:C312	5:A:212:7Q9:C38	0.69	2.66	10	2
6:D:519:17F:H52	6:D:519:17F:H77	0.69	1.63	17	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:A:220:17F:H38	5:D:502:7Q9:C317	0.69	2.18	9	3
5:D:545:7Q9:C318	5:D:545:7Q9:C314	0.69	2.70	6	20
6:B:208:17F:H1	5:B:209:7Q9:C15	0.69	2.18	5	2
6:A:213:17F:H20A	6:A:213:17F:O9	0.69	1.86	8	4
6:D:520:17F:H41	5:E:841:7Q9:C318	0.69	2.18	3	4
6:E:806:17F:H70	5:E:811:7Q9:C315	0.69	2.17	4	1
6:E:819:17F:C10	6:E:820:17F:H10A	0.69	2.18	4	2
6:E:839:17F:H12	6:E:857:17F:C9	0.69	2.17	4	2
5:B:210:7Q9:C14	6:D:520:17F:H2	0.69	2.18	6	1
6:A:213:17F:H42	6:A:213:17F:H35	0.69	1.65	16	2
6:E:808:17F:C19	6:E:810:17F:H18	0.69	2.18	10	3
6:D:518:17F:H59	6:D:518:17F:H48	0.69	1.62	15	1
6:D:510:17F:H51	6:D:510:17F:H65	0.69	1.62	18	1
6:E:857:17F:H67	6:E:875:17F:H61	0.69	1.63	18	1
6:D:510:17F:H59	6:D:533:17F:H61	0.69	1.64	20	1
6:E:802:17F:H49	6:E:802:17F:C42	0.69	2.18	2	4
6:B:208:17F:H2	6:B:208:17F:O2	0.69	1.87	4	7
6:E:810:17F:N1	6:E:819:17F:O10	0.69	2.26	17	3
6:E:857:17F:C38	6:E:875:17F:H65	0.69	2.17	20	1
5:A:215:7Q9:C318	5:A:215:7Q9:C314	0.69	2.71	2	10
5:E:837:7Q9:C317	5:E:837:7Q9:C313	0.69	2.71	2	20
6:E:873:17F:H59	6:E:873:17F:C25	0.69	2.18	1	8
6:A:213:17F:O1	6:A:213:17F:H19	0.69	1.86	2	3
5:D:545:7Q9:O32	5:D:545:7Q9:C1	0.69	2.41	17	11
6:A:208:17F:H43	6:A:208:17F:C32	0.69	2.17	4	4
1:B:68:ARG:HA	1:B:71:TYR:CZ	0.69	2.23	20	8
6:D:510:17F:H1	6:D:517:17F:C6	0.69	2.18	8	2
6:A:219:17F:C5	6:D:518:17F:H11A	0.68	2.14	1	6
2:D:273:ASP:HB2	6:D:540:17F:C1Z	0.68	2.17	18	13
6:E:802:17F:C35	6:E:802:17F:C31	0.68	2.71	1	12
6:A:219:17F:H6	5:D:505:7Q9:C31	0.68	2.17	19	2
6:B:208:17F:O8	6:B:208:17F:C4	0.68	2.42	11	16
6:E:820:17F:C22	6:E:820:17F:C26	0.68	2.71	13	20
6:E:839:17F:O2	6:E:839:17F:N1	0.68	2.24	14	7
6:E:802:17F:H60	5:E:804:7Q9:C23	0.68	2.18	20	7
6:D:510:17F:H53	6:D:510:17F:H74	0.68	1.65	11	3
6:E:873:17F:O2	6:E:873:17F:H8	0.68	1.89	6	6
6:A:220:17F:H43	5:E:811:7Q9:C318	0.68	2.18	2	1
5:A:212:7Q9:C318	6:E:806:17F:H77	0.68	2.17	4	2
6:E:839:17F:H57	6:E:839:17F:C2X	0.68	2.18	16	5
6:D:510:17F:C9	6:D:517:17F:H30	0.68	2.14	13	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:E:839:17F:N1	6:E:875:17F:O8	0.68	2.27	4	6
5:D:515:7Q9:C35	6:D:519:17F:H72	0.68	2.18	15	3
5:E:833:7Q9:C22	6:E:839:17F:H4	0.68	2.17	11	2
5:A:215:7Q9:C312	6:E:829:17F:H53	0.68	2.19	12	2
5:A:205:7Q9:C313	5:A:205:7Q9:C317	0.68	2.71	14	20
5:B:209:7Q9:C316	5:B:209:7Q9:C312	0.68	2.72	20	7
5:E:846:7Q9:C310	5:E:846:7Q9:C314	0.68	2.70	11	20
5:E:848:7Q9:O14	6:E:873:17F:H1A	0.68	1.88	19	2
6:D:520:17F:H75	5:E:823:7Q9:C39	0.68	2.18	3	1
6:D:510:17F:H53	6:D:533:17F:H77	0.68	1.65	6	2
5:E:804:7Q9:C35	5:E:804:7Q9:O22	0.68	2.42	4	3
6:A:219:17F:H75	5:D:505:7Q9:C38	0.68	2.19	6	2
6:E:820:17F:H18A	5:E:830:7Q9:O11	0.68	1.88	7	1
6:D:520:17F:H73	5:E:841:7Q9:C318	0.68	2.19	15	2
6:D:510:17F:H60	6:D:517:17F:H37	0.68	1.65	15	1
5:D:515:7Q9:C31	6:D:519:17F:H19	0.68	2.19	16	2
5:E:846:7Q9:C33	5:E:846:7Q9:C37	0.68	2.72	15	20
6:A:213:17F:H4	6:A:213:17F:O10	0.68	1.88	7	9
6:D:520:17F:H76	5:E:827:7Q9:C317	0.68	2.19	14	3
6:A:219:17F:H6A	6:D:518:17F:C11	0.68	2.16	9	3
6:E:808:17F:H58	6:E:808:17F:H12	0.68	1.66	17	7
6:E:857:17F:O4	6:E:875:17F:H4	0.68	1.89	20	2
6:E:839:17F:H37	5:E:858:7Q9:C310	0.68	2.19	8	2
1:B:17:SER:HB2	3:B:201:GSP:O1A	0.68	1.89	10	1
5:E:803:7Q9:C317	6:E:806:17F:H67	0.68	2.19	10	1
5:A:203:7Q9:C316	6:E:802:17F:H52	0.68	2.18	13	1
5:D:541:7Q9:O21	5:D:541:7Q9:O14	0.68	2.11	4	20
5:E:844:7Q9:C33	5:E:844:7Q9:C37	0.68	2.72	9	20
6:D:518:17F:H76	6:D:518:17F:C30	0.68	2.18	7	1
6:D:511:17F:C30	6:E:829:17F:H52	0.68	2.18	8	1
6:E:802:17F:H33	6:E:802:17F:H36	0.68	1.63	15	1
5:A:214:7Q9:C318	6:E:829:17F:H76	0.68	2.18	19	1
6:D:519:17F:H52	6:D:519:17F:H69	0.68	1.62	7	3
2:E:674:LEU:HD21	6:E:856:17F:H35	0.68	1.65	13	6
6:A:213:17F:H20A	6:A:213:17F:H37	0.68	1.65	4	1
6:B:208:17F:H30	6:B:208:17F:H42	0.68	1.63	9	1
6:D:519:17F:H40	6:D:519:17F:C37	0.68	2.15	10	1
6:D:517:17F:H49	6:D:517:17F:H67	0.68	1.66	13	1
6:E:802:17F:H9A	5:E:803:7Q9:C11	0.68	2.19	20	1
6:D:540:17F:H64	6:D:540:17F:C1X	0.68	2.19	20	13
5:E:841:7Q9:O32	5:E:841:7Q9:C1	0.68	2.42	17	19

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:845:7Q9:C314	5:E:845:7Q9:C318	0.68	2.72	1	20
6:D:510:17F:H67	6:D:510:17F:H45	0.68	1.63	4	1
5:E:816:7Q9:C31	5:E:816:7Q9:O11	0.68	2.42	8	8
5:B:205:7Q9:C316	6:B:208:17F:H75	0.68	2.19	9	1
5:E:826:7Q9:C35	5:E:826:7Q9:C31	0.67	2.72	20	20
6:A:220:17F:H52	6:A:220:17F:H70	0.67	1.66	2	2
6:D:519:17F:H50	5:D:526:7Q9:C317	0.67	2.19	9	2
6:A:208:17F:H64	6:A:208:17F:C32	0.67	2.19	3	2
6:E:829:17F:H11	5:E:833:7Q9:C38	0.67	2.18	4	3
5:E:838:7Q9:C31	6:E:842:17F:H31	0.67	2.18	4	1
6:D:540:17F:H10	5:D:545:7Q9:C33	0.67	2.19	17	1
1:A:78:PHE:HB2	1:A:111:MET:HG2	0.67	1.65	11	10
1:B:78:PHE:HB2	1:B:111:MET:HG2	0.67	1.67	18	7
6:E:818:17F:H37	6:E:839:17F:H46	0.67	1.66	1	1
6:D:533:17F:H32	6:D:533:17F:C17	0.67	2.18	2	7
6:E:839:17F:H77	6:E:839:17F:H48	0.67	1.65	4	4
6:D:511:17F:H55	6:E:829:17F:H54	0.67	1.66	9	3
6:D:539:17F:H65	6:D:539:17F:C32	0.67	2.09	8	5
3:A:201:GSP:O3G	3:A:201:GSP:O2B	0.67	2.12	7	1
6:D:510:17F:H51	6:D:510:17F:C37	0.67	2.19	17	1
2:D:331:ARG:HA	5:D:538:7Q9:C311	0.67	2.19	15	7
5:D:513:7Q9:C314	5:D:513:7Q9:C310	0.67	2.73	6	20
6:E:818:17F:H5	6:E:818:17F:O8	0.67	1.90	7	15
6:E:875:17F:O1	6:E:875:17F:C6	0.67	2.42	2	9
5:A:205:7Q9:C315	6:E:806:17F:H75	0.67	2.19	20	2
6:A:208:17F:H20A	6:A:219:17F:C10	0.67	2.20	3	1
6:D:510:17F:C17	6:D:533:17F:H20	0.67	2.20	17	2
5:E:834:7Q9:C23	6:E:839:17F:H44	0.67	2.19	15	2
5:D:521:7Q9:C317	5:D:521:7Q9:C313	0.67	2.73	12	20
6:E:819:17F:H49	5:E:836:7Q9:C311	0.67	2.19	10	6
6:E:820:17F:H31	5:E:853:7Q9:C34	0.67	2.19	2	1
6:A:213:17F:H6	5:D:503:7Q9:C14	0.67	2.18	17	1
5:A:216:7Q9:C3	6:D:517:17F:H18A	0.67	2.19	20	2
6:B:208:17F:H64	6:B:208:17F:C30	0.67	2.18	20	1
6:D:510:17F:H49	6:D:517:17F:C38	0.67	2.19	8	7
5:E:830:7Q9:O22	5:E:830:7Q9:P	0.67	2.53	2	13
6:D:511:17F:H61	6:D:511:17F:H12	0.67	1.64	17	4
6:D:518:17F:H60	6:D:518:17F:H44	0.67	1.66	3	1
6:E:808:17F:H71	6:E:819:17F:H54	0.67	1.67	5	1
6:E:819:17F:H48	6:E:819:17F:H78	0.67	1.67	5	1
6:E:857:17F:H37	6:E:875:17F:C34	0.67	2.20	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:510:17F:H18A	6:D:517:17F:C10	0.67	2.18	13	4
6:A:213:17F:N1	5:D:507:7Q9:O22	0.67	2.28	14	3
5:E:865:7Q9:C315	5:E:865:7Q9:C311	0.67	2.72	8	20
5:E:830:7Q9:O22	5:E:830:7Q9:O11	0.67	2.12	5	12
6:A:220:17F:H36	5:D:502:7Q9:C311	0.67	2.19	20	4
6:A:219:17F:H46	6:A:219:17F:C41	0.67	2.19	5	2
5:B:210:7Q9:O32	6:D:520:17F:H20A	0.67	1.89	9	1
6:D:510:17F:C1Y	6:D:533:17F:H60	0.67	2.20	9	2
5:E:838:7Q9:C32	6:E:842:17F:H44	0.67	2.20	12	1
5:D:543:7Q9:C3	5:D:543:7Q9:O14	0.67	2.43	18	4
6:D:511:17F:H66	6:D:511:17F:C23	0.67	2.19	18	8
6:D:533:17F:C17	6:D:533:17F:H1	0.67	2.20	5	1
1:A:64:TYR:HB3	1:A:67:MET:HB3	0.67	1.67	1	4
6:E:810:17F:H61	6:E:810:17F:C29	0.67	2.18	10	5
6:A:213:17F:C41	6:E:808:17F:H53	0.67	2.18	3	1
6:D:510:17F:H64	6:D:533:17F:H75	0.67	1.65	5	2
5:A:203:7Q9:C36	5:A:203:7Q9:C311	0.67	2.73	7	3
6:D:511:17F:H2	6:D:511:17F:H18A	0.67	1.66	6	3
6:D:510:17F:H1	6:D:517:17F:H5	0.67	1.65	20	1
6:E:842:17F:H4A	6:E:842:17F:C2	0.67	2.20	20	1
1:A:146:ALA:HB3	3:A:201:GSP:N7	0.67	2.05	10	6
6:A:208:17F:N1	6:A:219:17F:O1	0.67	2.28	1	4
3:B:201:GSP:O3G	4:B:202:MG:MG	0.67	1.38	4	20
6:D:540:17F:H68	5:D:545:7Q9:C318	0.67	2.20	4	1
1:A:47:ASP:HA	1:B:128:LYS:HG2	0.67	1.65	5	1
6:D:540:17F:H64	6:D:540:17F:H30	0.67	1.66	20	4
5:B:205:7Q9:C311	6:B:208:17F:H72	0.67	2.20	14	3
6:A:208:17F:H19A	6:A:219:17F:H10	0.67	1.66	11	3
6:D:519:17F:H63	6:D:519:17F:H33	0.67	1.65	10	1
5:D:515:7Q9:C32	6:D:519:17F:H20A	0.67	2.20	18	1
2:E:634:LEU:HB2	5:E:878:7Q9:C315	0.67	2.19	18	1
2:E:660:ARG:HG3	6:E:875:17F:H31	0.67	1.65	7	6
5:D:523:7Q9:C32	6:D:552:17F:H12A	0.67	2.19	5	1
5:D:523:7Q9:O13	6:D:552:17F:N1	0.67	2.28	17	3
1:B:64:TYR:HB3	1:B:67:MET:HB3	0.67	1.67	11	4
6:E:857:17F:C39	6:E:875:17F:H61	0.67	2.16	9	1
6:D:519:17F:H63	6:D:519:17F:C1Z	0.67	2.20	10	1
1:A:47:ASP:HB3	1:B:128:LYS:HG3	0.67	1.67	16	2
6:E:839:17F:H8A	6:E:857:17F:H39	0.67	1.67	16	2
6:D:510:17F:H8A	6:D:517:17F:H34	0.66	1.65	13	8
6:D:510:17F:C8	6:D:517:17F:H9	0.66	2.20	9	7

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:539:17F:H38	6:D:539:17F:H63	0.66	1.67	14	6
6:E:839:17F:H47	6:E:839:17F:H77	0.66	1.65	1	1
6:E:839:17F:O7	6:E:839:17F:O10	0.66	2.12	12	18
5:E:844:7Q9:C310	5:E:844:7Q9:C314	0.66	2.73	4	20
5:B:210:7Q9:O32	5:B:210:7Q9:C1	0.66	2.43	7	3
5:E:864:7Q9:C22	5:E:864:7Q9:C37	0.66	2.73	17	11
5:E:849:7Q9:C313	5:E:852:7Q9:C38	0.66	2.73	3	11
6:E:820:17F:H61	5:E:837:7Q9:C34	0.66	2.19	5	2
5:E:809:7Q9:C32	6:E:812:17F:H37	0.66	2.21	6	1
5:E:807:7Q9:C14	6:E:818:17F:H4A	0.66	2.20	7	1
6:A:208:17F:H6	6:A:208:17F:O2	0.66	1.90	10	1
6:E:871:17F:H9A	5:E:872:7Q9:P	0.66	2.30	10	2
6:D:511:17F:H53	6:E:829:17F:H54	0.66	1.67	16	2
6:D:518:17F:H6A	6:D:518:17F:O10	0.66	1.89	1	2
5:E:804:7Q9:C31	5:E:804:7Q9:O22	0.66	2.44	5	10
6:D:540:17F:H1	5:D:545:7Q9:C32	0.66	2.19	18	2
6:D:518:17F:H52	5:E:847:7Q9:C317	0.66	2.19	17	4
6:D:540:17F:H8	5:D:545:7Q9:C33	0.66	2.19	4	1
6:E:808:17F:H20	6:E:810:17F:H20	0.66	1.66	11	2
6:E:819:17F:H2	6:E:819:17F:O2	0.66	1.89	19	19
5:E:874:7Q9:C21	5:E:874:7Q9:O32	0.66	2.43	20	15
5:E:858:7Q9:O32	6:E:875:17F:H10A	0.66	1.89	17	2
5:A:216:7Q9:C318	6:D:517:17F:H69	0.66	2.20	12	3
5:B:205:7Q9:O22	6:B:208:17F:N1	0.66	2.24	5	1
6:E:856:17F:H18	5:E:868:7Q9:C12	0.66	2.20	14	3
5:D:531:7Q9:C318	5:D:531:7Q9:C314	0.66	2.73	1	20
6:E:857:17F:C35	6:E:857:17F:H56	0.66	2.20	17	4
5:B:209:7Q9:C315	5:E:823:7Q9:C312	0.66	2.74	12	8
6:E:802:17F:H64	5:E:804:7Q9:C39	0.66	2.20	14	2
6:A:213:17F:C8	6:A:213:17F:C12	0.66	2.72	11	2
6:E:839:17F:H64	6:E:839:17F:C11	0.66	2.21	20	1
5:A:212:7Q9:C35	5:A:212:7Q9:C39	0.66	2.74	18	13
5:D:550:7Q9:C316	5:D:550:7Q9:C312	0.66	2.74	19	20
5:B:205:7Q9:C310	6:B:208:17F:H72	0.66	2.20	8	6
6:D:533:17F:H68	6:D:533:17F:C23	0.66	2.20	3	1
5:A:212:7Q9:C38	5:A:212:7Q9:C313	0.66	2.73	18	5
5:A:211:7Q9:C317	6:A:213:17F:H64	0.66	2.21	14	1
6:B:208:17F:H30	5:B:209:7Q9:C39	0.66	2.20	17	1
5:D:553:7Q9:C318	5:D:553:7Q9:C314	0.66	2.73	11	15
5:E:853:7Q9:O14	5:E:853:7Q9:O21	0.66	2.14	9	9
6:A:213:17F:H34	6:A:213:17F:H40	0.66	1.65	14	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:510:17F:C17	6:D:533:17F:C19	0.66	2.74	6	6
6:E:819:17F:H39	5:E:836:7Q9:C37	0.66	2.21	3	3
6:A:208:17F:H38	6:B:208:17F:H60	0.66	1.67	7	1
6:E:818:17F:H35	6:E:818:17F:H41	0.66	1.68	13	4
6:D:533:17F:HN1	6:D:533:17F:H18A	0.66	1.49	17	2
6:A:220:17F:H46	6:A:220:17F:H30	0.66	1.67	20	1
6:D:534:17F:O7	6:D:534:17F:O10	0.66	2.14	2	8
6:A:220:17F:H12	6:A:220:17F:H65	0.66	1.67	2	1
6:E:808:17F:H49	6:E:810:17F:C35	0.66	2.19	20	4
6:E:808:17F:H47	6:E:808:17F:H78	0.66	1.68	14	5
6:E:871:17F:H53	5:E:872:7Q9:C314	0.66	2.20	16	1
5:D:506:7Q9:C32	6:D:517:17F:C1Y	0.66	2.72	2	5
5:E:843:7Q9:C31	5:E:843:7Q9:O22	0.66	2.44	15	19
6:D:510:17F:H55	6:D:517:17F:H38	0.66	1.67	15	2
6:E:873:17F:H55	6:E:873:17F:C33	0.66	2.20	17	7
6:E:808:17F:H49	6:E:810:17F:H65	0.66	1.67	3	1
1:B:118:CYS:SG	1:B:143:GLU:HG2	0.66	2.31	5	1
6:E:871:17F:H11	5:E:872:7Q9:C23	0.66	2.20	5	1
6:A:213:17F:H38	5:D:509:7Q9:C23	0.66	2.20	14	1
6:D:510:17F:O7	6:D:517:17F:H9A	0.66	1.91	1	5
6:D:518:17F:H41	5:D:551:7Q9:C310	0.66	2.20	6	8
1:B:112:VAL:HG21	1:B:159:LEU:HA	0.66	1.67	3	2
6:E:839:17F:H35	6:E:839:17F:C1Z	0.66	2.21	4	3
5:B:205:7Q9:C317	6:B:208:17F:H45	0.66	2.21	5	1
6:E:819:17F:H10	6:E:820:17F:H10A	0.66	1.66	17	4
6:D:518:17F:H19	6:D:518:17F:C10	0.66	2.20	11	1
6:E:806:17F:H6	6:E:806:17F:O1	0.66	1.90	20	1
6:D:534:17F:C24	6:D:534:17F:C28	0.65	2.74	7	17
6:E:856:17F:O10	6:E:856:17F:H6A	0.65	1.90	14	14
5:D:548:7Q9:C3	5:D:548:7Q9:O22	0.65	2.43	7	12
6:B:208:17F:H10A	5:E:823:7Q9:C318	0.65	2.20	9	1
6:A:219:17F:H45	5:D:505:7Q9:C312	0.65	2.21	12	1
6:D:510:17F:H49	6:D:517:17F:H50	0.65	1.65	12	1
5:B:210:7Q9:C315	6:D:520:17F:H76	0.65	2.21	2	1
6:B:208:17F:H47	6:E:812:17F:H70	0.65	1.68	3	1
5:E:838:7Q9:C12	6:E:842:17F:O10	0.65	2.44	7	5
6:A:208:17F:H34	6:A:208:17F:H43	0.65	1.67	6	3
6:D:518:17F:H62	6:D:518:17F:H57	0.65	1.67	8	5
5:B:205:7Q9:C312	6:B:208:17F:H63	0.65	2.21	10	1
6:E:857:17F:H67	6:E:875:17F:C32	0.65	2.22	14	1
6:A:208:17F:C1X	6:B:208:17F:H19	0.65	2.17	17	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:A:218:7Q9:C318	6:E:829:17F:H71	0.65	2.21	17	1
2:D:292:GLU:HG2	2:D:296:LYS:HD2	0.65	1.68	18	1
6:D:510:17F:C19	5:D:530:7Q9:O32	0.65	2.44	20	1
1:B:36:ILE:HA	1:B:59:ALA:HB2	0.65	1.68	4	3
5:D:554:7Q9:O32	5:D:554:7Q9:O21	0.65	2.14	17	13
6:E:857:17F:C4	6:E:857:17F:O8	0.65	2.44	15	12
6:D:519:17F:C17	6:D:519:17F:O8	0.65	2.45	17	11
5:D:543:7Q9:C31	6:D:552:17F:H29	0.65	2.21	4	6
6:E:871:17F:C17	6:E:871:17F:O8	0.65	2.44	14	7
6:E:873:17F:H60	6:E:873:17F:H44	0.65	1.68	9	4
5:E:838:7Q9:C32	6:E:842:17F:H55	0.65	2.22	13	4
6:A:213:17F:H11A	6:A:213:17F:H39	0.65	1.68	19	1
6:D:539:17F:C31	6:D:539:17F:C19	0.65	2.70	15	17
6:E:806:17F:C30	6:E:806:17F:C26	0.65	2.73	12	10
6:D:540:17F:H8	5:D:545:7Q9:C36	0.65	2.22	5	1
5:D:524:7Q9:C310	6:D:539:17F:H36	0.65	2.21	15	1
6:E:810:17F:H11A	5:E:811:7Q9:C34	0.65	2.22	19	1
6:D:510:17F:C9	6:D:517:17F:C11	0.65	2.61	2	9
6:E:820:17F:O8	6:E:820:17F:C4	0.65	2.45	20	9
1:B:16:LYS:HB2	3:B:201:GSP:O3B	0.65	1.91	3	2
6:D:510:17F:C6	6:D:517:17F:H11A	0.65	2.21	15	5
1:A:162:GLU:HA	1:A:165:LYS:HE2	0.65	1.68	5	1
5:A:211:7Q9:C312	6:A:213:17F:C35	0.65	2.75	9	1
5:D:542:7Q9:C21	5:D:542:7Q9:C31	0.65	2.75	13	1
6:A:213:17F:C11	6:A:213:17F:C23	0.65	2.74	19	2
6:E:820:17F:H6A	5:E:837:7Q9:C2	0.65	2.22	20	1
5:D:505:7Q9:C31	5:D:505:7Q9:C21	0.65	2.75	2	3
1:A:17:SER:HB2	3:A:201:GSP:O1A	0.65	1.92	6	5
6:E:819:17F:H1A	5:E:838:7Q9:C11	0.65	2.22	6	2
6:A:208:17F:O10	6:A:208:17F:H4	0.65	1.91	7	2
6:E:806:17F:H73	5:E:817:7Q9:C317	0.65	2.20	20	3
6:E:808:17F:C35	6:E:808:17F:H12A	0.65	2.22	17	1
3:A:201:GSP:O3G	4:A:202:MG:MG	0.65	1.40	3	19
2:D:320:GLU:HB3	2:D:321:PRO:HD3	0.65	1.69	18	18
6:D:519:17F:H39	6:D:519:17F:C1X	0.65	2.17	6	11
5:A:215:7Q9:C318	6:D:517:17F:H77	0.65	2.21	11	2
5:E:834:7Q9:O31	6:E:839:17F:H31	0.65	1.92	11	2
6:D:510:17F:C1X	6:D:510:17F:C25	0.65	2.75	12	1
5:D:530:7Q9:O32	5:D:530:7Q9:O21	0.65	2.15	20	16
6:D:534:17F:H38	6:D:534:17F:H69	0.65	1.68	20	5
2:E:671:ARG:HD3	5:E:858:7Q9:C22	0.65	2.22	1	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:E:857:17F:O1	6:E:857:17F:N1	0.65	2.26	9	3
5:E:870:7Q9:C14	6:E:873:17F:H8A	0.65	2.22	16	7
5:D:507:7Q9:C313	6:E:819:17F:H52	0.65	2.20	5	3
6:A:208:17F:H19A	6:A:219:17F:H10A	0.65	1.67	7	1
6:E:808:17F:H69	5:E:814:7Q9:C310	0.65	2.21	18	3
5:A:212:7Q9:C31	5:A:212:7Q9:O11	0.65	2.45	15	5
6:A:220:17F:H71	5:E:825:7Q9:C314	0.65	2.21	18	1
6:D:510:17F:H19	5:D:530:7Q9:O32	0.65	1.92	20	1
6:D:520:17F:H35	6:D:520:17F:C24	0.65	2.08	5	13
5:E:803:7Q9:C316	5:E:803:7Q9:C312	0.65	2.75	12	20
6:A:219:17F:H75	5:D:505:7Q9:C37	0.65	2.21	2	2
6:D:510:17F:H9	6:D:517:17F:H8A	0.65	1.66	5	5
5:D:514:7Q9:O13	5:D:514:7Q9:O21	0.65	2.15	8	12
6:D:510:17F:C30	6:D:517:17F:H71	0.65	2.22	12	2
5:D:505:7Q9:C13	6:D:518:17F:C6	0.65	2.72	19	1
6:D:539:17F:O10	6:D:539:17F:H6A	0.65	1.92	1	12
6:D:540:17F:C36	6:D:540:17F:H30	0.65	2.21	7	8
6:E:820:17F:C26	6:E:820:17F:H38	0.65	2.21	13	12
6:D:517:17F:H50	6:D:517:17F:H70	0.65	1.69	2	2
6:E:839:17F:C36	6:E:839:17F:C11	0.65	2.75	20	5
6:A:208:17F:H43	6:A:208:17F:C33	0.65	2.23	4	1
6:E:875:17F:H49	6:E:875:17F:C40	0.65	2.20	17	2
5:E:807:7Q9:C31	5:E:807:7Q9:C21	0.65	2.75	10	6
6:D:510:17F:P1	6:D:517:17F:H4	0.64	2.31	17	7
6:A:208:17F:H49	6:A:208:17F:H70	0.64	1.68	2	4
1:B:82:PHE:HB2	1:B:89:SER:HB2	0.64	1.67	2	4
5:D:503:7Q9:C33	6:D:519:17F:H36	0.64	2.22	3	1
6:D:510:17F:C7	6:D:517:17F:C11	0.64	2.75	15	4
6:D:510:17F:O6	6:D:517:17F:H9	0.64	1.92	4	1
6:D:519:17F:H66	6:D:519:17F:H52	0.64	1.68	4	1
6:D:540:17F:H30	6:D:540:17F:C33	0.64	2.22	4	1
6:E:857:17F:H68	6:E:875:17F:C36	0.64	2.20	20	2
6:D:510:17F:C18	6:D:517:17F:H9A	0.64	2.21	5	4
5:D:512:7Q9:C317	6:D:534:17F:H35	0.64	2.22	5	2
6:E:810:17F:H61	6:E:819:17F:H75	0.64	1.68	5	1
5:B:205:7Q9:C314	6:B:208:17F:H78	0.64	2.21	7	2
6:D:539:17F:H18	6:D:539:17F:C1Z	0.64	2.21	8	1
6:A:208:17F:C1Y	6:A:219:17F:H12A	0.64	2.22	16	3
5:A:205:7Q9:C1	5:A:205:7Q9:O32	0.64	2.44	13	1
2:E:634:LEU:HB2	5:E:878:7Q9:C316	0.64	2.22	7	10
2:E:638:GLN:HB2	5:E:863:7Q9:C312	0.64	2.22	3	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:539:17F:C19	6:D:539:17F:C31	0.64	2.71	5	3
5:B:205:7Q9:C316	6:B:208:17F:H44	0.64	2.23	14	1
5:D:549:7Q9:O22	5:D:549:7Q9:C3	0.64	2.44	5	17
6:E:806:17F:O9	6:E:806:17F:O8	0.64	2.14	2	19
6:D:534:17F:H37	6:D:534:17F:H66	0.64	1.67	18	6
6:E:820:17F:H58	6:E:820:17F:C25	0.64	2.20	15	4
5:E:835:7Q9:C311	5:E:835:7Q9:C37	0.64	2.75	16	17
6:D:517:17F:H44	6:D:533:17F:H38	0.64	1.68	18	4
5:E:858:7Q9:C310	6:E:875:17F:H51	0.64	2.22	8	3
6:E:808:17F:H19	6:E:810:17F:H18	0.64	1.67	18	4
6:D:510:17F:H49	6:D:517:17F:H71	0.64	1.69	1	6
5:D:542:7Q9:O14	5:D:542:7Q9:O21	0.64	2.15	8	2
5:E:864:7Q9:C35	5:E:864:7Q9:O31	0.64	2.46	11	10
2:D:273:ASP:HB2	6:D:540:17F:H56	0.64	1.69	2	2
6:D:520:17F:H47	6:D:520:17F:H71	0.64	1.69	3	3
6:E:808:17F:H51	6:E:808:17F:H74	0.64	1.69	20	3
6:E:808:17F:H58	6:E:808:17F:C1X	0.64	2.21	4	4
5:E:814:7Q9:C37	6:E:820:17F:H77	0.64	2.23	10	2
6:E:806:17F:H5	5:E:811:7Q9:C14	0.64	2.22	14	1
6:A:219:17F:C35	6:A:219:17F:H56	0.64	2.23	1	2
5:B:207:7Q9:O32	5:B:207:7Q9:C1	0.64	2.46	8	8
6:E:857:17F:H11	6:E:875:17F:H59	0.64	1.67	4	2
5:A:211:7Q9:C36	6:A:220:17F:H57	0.64	2.23	6	1
6:D:518:17F:H20	6:D:518:17F:H39	0.64	1.70	18	4
6:E:819:17F:H78	6:E:819:17F:H48	0.64	1.70	17	1
6:A:219:17F:O10	6:D:518:17F:C11	0.64	2.45	9	10
5:D:524:7Q9:O32	5:D:524:7Q9:C21	0.64	2.46	8	18
6:E:820:17F:O10	6:E:820:17F:C6	0.64	2.45	19	8
5:E:835:7Q9:C314	5:E:835:7Q9:C310	0.64	2.76	15	20
6:E:871:17F:C21	6:E:871:17F:H59	0.64	2.23	3	5
5:E:822:7Q9:C15	5:E:822:7Q9:C1	0.64	2.75	11	14
5:D:549:7Q9:C32	5:D:549:7Q9:C36	0.64	2.76	19	5
6:D:510:17F:H33	6:D:533:17F:H61	0.64	1.68	9	2
6:E:806:17F:O7	6:E:806:17F:O3	0.64	2.16	18	3
1:A:117:LYS:HE2	3:A:201:GSP:C4	0.64	2.27	1	7
6:A:208:17F:O8	6:A:208:17F:O9	0.64	2.16	16	17
6:D:510:17F:C4	6:D:517:17F:C4	0.64	2.76	10	11
6:D:540:17F:H8A	5:D:545:7Q9:C314	0.64	2.22	18	2
6:E:808:17F:H57	6:E:820:17F:H12A	0.64	1.68	7	6
6:E:808:17F:H30	6:E:808:17F:C1Z	0.64	2.22	8	1
1:B:13:GLY:HA2	3:B:201:GSP:H4'	0.64	1.68	11	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:72:MET:SD	1:B:100:ILE:HA	0.64	2.33	13	1
6:D:539:17F:H70	5:D:549:7Q9:O22	0.64	1.92	14	1
6:E:839:17F:H70	6:E:875:17F:C30	0.64	2.23	14	1
6:A:208:17F:H78	6:B:208:17F:C37	0.64	2.22	15	1
6:E:819:17F:C41	6:E:819:17F:H45	0.64	2.23	16	1
5:E:803:7Q9:O32	6:E:808:17F:H6A	0.64	1.92	20	1
5:D:506:7Q9:C11	5:D:506:7Q9:O21	0.64	2.45	7	2
6:D:510:17F:C42	6:D:517:17F:H72	0.64	2.19	5	3
6:D:520:17F:H42	6:D:520:17F:C2X	0.64	2.11	5	2
2:D:272:TRP:CZ3	6:D:540:17F:H71	0.64	2.28	10	3
2:E:642:SER:H	2:E:643:PRO:HD2	0.64	1.51	10	1
5:E:821:7Q9:C3	6:E:839:17F:H4A	0.64	2.22	11	1
6:A:213:17F:O10	6:A:213:17F:H6A	0.64	1.93	14	1
6:E:839:17F:H49	6:E:839:17F:C42	0.64	2.22	18	2
6:E:819:17F:H30	6:E:819:17F:C23	0.64	2.09	17	1
5:E:805:7Q9:O21	5:E:805:7Q9:O13	0.64	2.16	7	20
5:E:822:7Q9:C14	5:E:826:7Q9:O13	0.64	2.46	11	5
5:D:515:7Q9:C318	6:D:519:17F:H52	0.64	2.23	11	1
6:E:819:17F:H12A	6:E:820:17F:H9A	0.64	1.70	13	1
5:A:217:7Q9:C1	5:A:217:7Q9:C31	0.63	2.77	18	20
6:D:533:17F:O9	6:D:533:17F:O1	0.63	2.16	1	18
6:E:839:17F:O10	6:E:839:17F:C7	0.63	2.46	12	5
6:E:873:17F:H19	6:E:873:17F:C1X	0.63	2.23	3	12
5:E:840:7Q9:C311	5:E:840:7Q9:C36	0.63	2.76	7	6
6:D:510:17F:H53	6:D:533:17F:H55	0.63	1.70	10	2
2:E:631:ARG:HG3	5:E:878:7Q9:C34	0.63	2.24	8	2
5:E:835:7Q9:C318	6:E:856:17F:H70	0.63	2.24	9	4
6:E:808:17F:H38	6:E:810:17F:C20	0.63	2.22	20	2
6:E:839:17F:H8A	6:E:857:17F:H30	0.63	1.70	19	2
6:D:510:17F:H32	6:D:533:17F:H60	0.63	1.69	19	2
5:D:506:7Q9:C31	6:D:517:17F:C20	0.63	2.75	20	2
5:E:850:7Q9:C311	5:E:850:7Q9:C37	0.63	2.75	18	13
6:D:518:17F:H44	6:D:518:17F:C33	0.63	2.23	3	1
5:B:205:7Q9:C316	6:B:208:17F:H65	0.63	2.22	20	5
6:A:219:17F:C34	6:A:219:17F:C38	0.63	2.76	18	5
6:E:808:17F:H32	6:E:819:17F:H11	0.63	1.69	17	1
6:A:208:17F:H37	6:B:208:17F:C19	0.63	2.23	20	1
6:E:806:17F:C26	6:E:806:17F:C30	0.63	2.75	5	10
6:D:534:17F:C28	6:D:534:17F:C24	0.63	2.75	10	3
6:E:839:17F:H12	6:E:857:17F:C1X	0.63	2.24	20	1
5:D:522:7Q9:O21	5:D:522:7Q9:O14	0.63	2.16	2	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:D:523:7Q9:C34	6:D:552:17F:H40	0.63	2.22	14	3
5:B:210:7Q9:C32	6:D:520:17F:H34	0.63	2.23	2	1
6:A:219:17F:H4A	5:D:505:7Q9:C1	0.63	2.24	3	1
5:E:817:7Q9:O12	5:E:817:7Q9:C3	0.63	2.47	4	7
5:E:852:7Q9:C310	5:E:863:7Q9:C38	0.63	2.76	17	4
1:A:32:TYR:CE1	3:A:201:GSP:H5'2	0.63	2.28	13	4
5:A:214:7Q9:O32	5:A:214:7Q9:C21	0.63	2.46	1	17
6:E:806:17F:C17	6:E:806:17F:O8	0.63	2.46	1	1
6:E:873:17F:H20	6:E:873:17F:C2X	0.63	2.21	4	2
6:E:806:17F:H4	6:E:806:17F:O10	0.63	1.94	2	4
6:B:208:17F:O8	6:B:208:17F:H4A	0.63	1.92	17	12
6:E:808:17F:H55	6:E:819:17F:C41	0.63	2.22	4	1
5:D:523:7Q9:C32	6:D:552:17F:C12	0.63	2.76	5	1
1:B:6:LEU:HD21	1:B:163:ILE:HD11	0.63	1.70	8	1
6:D:539:17F:H72	5:D:549:7Q9:C31	0.63	2.23	15	1
5:A:206:7Q9:C12	5:A:211:7Q9:O22	0.63	2.47	5	3
6:E:819:17F:H46	5:E:836:7Q9:C311	0.63	2.24	10	5
6:D:510:17F:H55	6:D:533:17F:C42	0.63	2.22	16	4
6:E:857:17F:H77	6:E:875:17F:C34	0.63	2.24	14	1
5:B:210:7Q9:C32	6:D:520:17F:H57	0.63	2.23	18	3
5:D:513:7Q9:C36	5:D:532:7Q9:C39	0.63	2.77	19	9
6:E:857:17F:H78	6:E:875:17F:H61	0.63	1.71	12	3
6:E:873:17F:O9	6:E:873:17F:O1	0.63	2.17	16	11
5:B:205:7Q9:C315	6:B:208:17F:H48	0.63	2.24	19	2
6:D:534:17F:H37	6:D:534:17F:C37	0.63	2.24	18	5
6:D:533:17F:H57	6:D:533:17F:H6A	0.63	1.71	11	4
6:E:808:17F:H54	6:E:810:17F:H51	0.63	1.71	8	1
1:A:117:LYS:HG2	3:A:201:GSP:C6	0.63	2.28	9	2
2:E:605:GLN:HG3	5:E:867:7Q9:C313	0.63	2.23	19	6
6:E:819:17F:H60	6:E:842:17F:C36	0.63	2.23	11	2
6:D:510:17F:H57	6:D:533:17F:H34	0.63	1.69	20	1
1:B:13:GLY:HA2	3:B:201:GSP:C5'	0.63	2.22	6	4
5:A:206:7Q9:C317	6:E:802:17F:H69	0.63	2.24	11	1
6:E:839:17F:H73	6:E:875:17F:H53	0.63	1.69	12	1
5:A:203:7Q9:C318	6:E:802:17F:H76	0.63	2.24	15	1
2:D:388:ARG:HD2	2:E:575:LEU:HG	0.63	1.70	19	1
2:E:598:GLN:HB2	2:E:599:PRO:HD3	0.63	1.69	17	8
6:E:812:17F:O10	6:E:812:17F:H6A	0.63	1.92	15	16
5:E:844:7Q9:C21	5:E:844:7Q9:O13	0.63	2.47	3	18
6:B:208:17F:C26	6:B:208:17F:C30	0.63	2.74	3	4
2:E:634:LEU:HD13	5:E:878:7Q9:C316	0.63	2.24	4	7

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:803:7Q9:O32	5:E:803:7Q9:C2	0.63	2.45	17	7
6:E:808:17F:C41	6:E:819:17F:H76	0.63	2.23	6	1
6:A:208:17F:H40	6:A:208:17F:C32	0.63	2.24	16	2
1:B:3:GLU:HG2	1:B:52:LEU:HD23	0.63	1.70	12	1
1:B:117:LYS:HE2	3:B:201:GSP:C4	0.62	2.29	18	7
2:E:591:GLU:HG2	5:E:862:7Q9:C37	0.62	2.24	13	10
6:E:839:17F:O8	6:E:857:17F:H39	0.62	1.93	1	1
5:E:851:7Q9:O22	5:E:851:7Q9:C3	0.62	2.45	12	19
5:A:210:7Q9:C313	6:A:220:17F:H10	0.62	2.23	5	1
6:E:802:17F:C28	6:E:802:17F:H77	0.62	2.23	16	4
5:E:825:7Q9:C313	6:E:842:17F:H75	0.62	2.24	9	1
6:B:208:17F:H8A	5:B:209:7Q9:C39	0.62	2.24	13	1
6:E:857:17F:C36	6:E:875:17F:H60	0.62	2.24	18	1
6:D:517:17F:H52	6:E:839:17F:H76	0.62	1.71	20	1
6:E:875:17F:H6	6:E:875:17F:O3	0.62	1.93	20	8
6:E:819:17F:H1	5:E:838:7Q9:C11	0.62	2.23	2	1
5:B:205:7Q9:C37	6:B:208:17F:C40	0.62	2.77	3	1
6:E:839:17F:H38	5:E:858:7Q9:C39	0.62	2.24	17	4
6:E:808:17F:H20A	6:E:819:17F:C7	0.62	2.24	4	1
6:E:802:17F:H50	6:E:802:17F:H77	0.62	1.69	6	1
6:A:208:17F:H30	6:B:208:17F:H32	0.62	1.70	12	1
5:D:503:7Q9:O32	6:D:519:17F:H4	0.62	1.94	13	1
6:A:208:17F:H4	6:A:208:17F:O10	0.62	1.95	14	16
6:E:871:17F:H2	6:E:871:17F:O2	0.62	1.94	19	15
6:D:510:17F:C18	6:D:517:17F:H8	0.62	2.25	7	2
6:D:518:17F:H59	6:D:518:17F:H44	0.62	1.70	15	1
6:D:540:17F:H58	6:D:540:17F:H30	0.62	1.69	18	2
6:E:857:17F:O8	6:E:857:17F:H4	0.62	1.95	12	8
6:E:857:17F:H70	6:E:875:17F:C33	0.62	2.24	11	5
6:B:208:17F:C30	6:B:208:17F:C26	0.62	2.75	2	7
6:D:510:17F:H49	6:D:517:17F:C37	0.62	2.23	6	6
5:E:814:7Q9:C313	6:E:820:17F:H54	0.62	2.25	4	4
6:A:208:17F:HN1	6:A:219:17F:C3	0.62	2.07	10	1
6:D:518:17F:H48	6:D:518:17F:C32	0.62	2.24	15	1
5:D:531:7Q9:C21	5:D:531:7Q9:O14	0.62	2.48	4	14
5:A:215:7Q9:C314	6:E:829:17F:H52	0.62	2.25	7	1
6:E:871:17F:H9A	5:E:872:7Q9:O12	0.62	1.94	10	1
1:A:5:LYS:HA	1:A:54:ASP:HB3	0.62	1.71	12	4
5:D:514:7Q9:C21	5:D:514:7Q9:O12	0.62	2.48	6	5
6:D:519:17F:H52	6:D:519:17F:C38	0.62	2.24	1	8
5:D:536:7Q9:C14	5:D:536:7Q9:O12	0.62	2.47	4	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:849:7Q9:C315	5:E:852:7Q9:C38	0.62	2.78	5	7
5:B:210:7Q9:O31	6:D:520:17F:H20A	0.62	1.94	2	1
5:A:217:7Q9:O32	5:A:217:7Q9:C1	0.62	2.48	10	15
2:D:309:GLN:NE2	6:D:533:17F:H58	0.62	2.10	3	1
6:A:213:17F:H73	6:E:808:17F:C30	0.62	2.22	4	1
6:E:829:17F:N1	5:E:852:7Q9:O14	0.62	2.33	20	3
5:D:550:7Q9:C32	6:D:552:17F:H18	0.62	2.24	5	1
6:A:219:17F:H4	6:A:219:17F:O10	0.62	1.93	19	2
6:E:808:17F:H60	6:E:820:17F:C12	0.62	2.23	19	3
2:D:273:ASP:OD1	6:D:540:17F:H20	0.62	1.95	11	1
6:B:208:17F:H61	6:B:208:17F:C30	0.62	2.24	13	1
6:D:517:17F:H70	6:D:517:17F:H54	0.62	1.70	13	1
5:A:214:7Q9:O32	5:A:214:7Q9:O21	0.62	2.18	14	8
5:E:849:7Q9:C34	5:E:852:7Q9:O31	0.62	2.47	20	7
6:A:208:17F:H54	6:A:208:17F:H71	0.62	1.69	12	2
6:A:208:17F:C42	6:B:208:17F:H69	0.62	2.25	15	2
6:A:219:17F:C38	6:A:219:17F:C34	0.62	2.75	10	11
2:E:631:ARG:HG2	5:E:878:7Q9:C37	0.62	2.24	15	9
6:E:819:17F:H32	6:E:819:17F:O9	0.62	1.95	1	7
5:E:830:7Q9:O22	5:E:830:7Q9:C3	0.62	2.45	18	6
6:A:219:17F:H31	5:E:801:7Q9:C32	0.62	2.24	4	1
5:E:803:7Q9:O13	6:E:808:17F:N1	0.62	2.32	5	3
5:A:203:7Q9:C315	6:A:208:17F:H74	0.62	2.25	8	1
6:D:510:17F:H1A	6:D:517:17F:O1	0.62	1.95	20	1
5:A:217:7Q9:O22	5:A:217:7Q9:C3	0.62	2.46	7	17
5:E:817:7Q9:C3	5:E:817:7Q9:P	0.62	2.88	15	20
6:D:510:17F:C17	6:D:517:17F:H9A	0.62	2.24	3	6
6:D:510:17F:H66	5:D:530:7Q9:C317	0.62	2.25	5	2
5:E:849:7Q9:C22	5:E:853:7Q9:O12	0.62	2.48	7	2
6:A:219:17F:H39	6:A:219:17F:C12	0.62	2.25	6	2
6:A:208:17F:H34	6:A:208:17F:C23	0.62	2.25	19	4
6:D:518:17F:H30	6:D:518:17F:O2	0.62	1.95	11	1
6:D:539:17F:H72	5:D:549:7Q9:O32	0.62	1.95	15	1
2:D:269:GLN:HG2	6:D:540:17F:H32	0.62	1.69	17	3
6:D:539:17F:H48	5:D:549:7Q9:C23	0.62	2.24	1	2
2:E:708:LYS:HB2	2:E:709:PRO:HD3	0.62	1.72	12	17
6:D:510:17F:H9	6:D:517:17F:C8	0.62	2.23	2	4
5:B:209:7Q9:C318	5:E:824:7Q9:C310	0.62	2.78	3	1
2:D:440:LEU:HD11	5:D:543:7Q9:C313	0.62	2.25	3	3
6:D:533:17F:H1	6:D:533:17F:C18	0.62	2.24	5	1
6:A:208:17F:H40	6:A:208:17F:C1Z	0.62	2.24	19	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:519:17F:H40	6:D:519:17F:H62	0.62	1.72	11	1
6:E:818:17F:H11	5:E:834:7Q9:C33	0.62	2.25	20	2
6:A:208:17F:H19	5:A:212:7Q9:C34	0.62	2.24	19	1
6:D:552:17F:C17	6:D:552:17F:C1Y	0.61	2.78	17	19
6:D:511:17F:C3	5:D:532:7Q9:C12	0.61	2.78	3	2
2:D:269:GLN:CG	6:D:540:17F:H32	0.61	2.25	5	6
5:D:523:7Q9:C34	6:D:552:17F:H12A	0.61	2.24	5	1
1:A:46:ILE:HD13	1:A:157:TYR:HA	0.61	1.70	12	2
6:E:839:17F:H11	6:E:839:17F:H57	0.61	1.72	17	3
6:E:842:17F:H29	6:E:842:17F:C23	0.61	2.22	12	8
5:E:858:7Q9:C3	6:E:875:17F:C10	0.61	2.77	3	4
5:D:503:7Q9:C311	6:D:519:17F:H44	0.61	2.25	20	3
5:D:537:7Q9:O32	5:D:537:7Q9:C1	0.61	2.49	12	2
6:A:219:17F:H56	6:D:518:17F:H38	0.61	1.69	5	2
6:D:510:17F:H56	6:D:533:17F:H61	0.61	1.69	6	2
6:D:510:17F:C1X	6:D:517:17F:H8	0.61	2.25	18	2
5:E:825:7Q9:C318	6:E:842:17F:H68	0.61	2.25	7	2
5:D:523:7Q9:C21	5:D:523:7Q9:O32	0.61	2.48	17	15
6:A:220:17F:H37	5:D:502:7Q9:C312	0.61	2.25	19	3
6:E:820:17F:C7	6:E:820:17F:C4	0.61	2.78	5	5
6:E:857:17F:O10	6:E:857:17F:H6A	0.61	1.93	17	14
5:D:512:7Q9:C33	6:D:534:17F:H4	0.61	2.25	4	1
6:E:806:17F:H70	5:E:817:7Q9:C318	0.61	2.25	13	7
6:A:213:17F:H1	5:D:507:7Q9:C3	0.61	2.25	7	1
5:E:868:7Q9:C21	5:E:868:7Q9:O32	0.61	2.49	7	5
5:B:204:7Q9:C37	5:B:204:7Q9:C311	0.61	2.78	14	1
1:A:111:MET:HB3	1:A:139:ILE:HG21	0.61	1.72	16	1
5:A:218:7Q9:C13	6:D:511:17F:H4A	0.61	2.25	17	1
5:E:845:7Q9:C15	5:E:845:7Q9:O12	0.61	2.48	6	20
5:E:849:7Q9:O21	5:E:849:7Q9:O32	0.61	2.18	7	19
6:E:818:17F:H4	6:E:818:17F:O10	0.61	1.95	15	9
6:E:839:17F:C10	6:E:857:17F:H35	0.61	2.26	5	3
6:A:208:17F:N1	6:A:219:17F:C3	0.61	2.63	10	1
6:D:510:17F:H48	6:D:510:17F:H60	0.61	1.72	19	1
2:E:620:GLU:HB3	2:E:621:PRO:HD3	0.61	1.70	1	17
5:E:801:7Q9:O22	5:E:801:7Q9:O11	0.61	2.19	17	17
6:E:819:17F:H47	6:E:819:17F:C42	0.61	2.25	2	1
6:D:510:17F:H75	6:E:857:17F:H48	0.61	1.73	3	1
6:A:213:17F:H46	6:A:213:17F:C34	0.61	2.24	8	3
5:D:513:7Q9:C38	6:D:534:17F:H64	0.61	2.25	9	1
6:E:810:17F:HN1A	6:E:819:17F:H6	0.61	1.55	10	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:D:543:7Q9:C317	6:E:871:17F:H52	0.61	2.25	19	2
5:D:514:7Q9:C311	5:D:514:7Q9:C37	0.61	2.78	18	1
6:A:213:17F:H9	5:D:503:7Q9:C22	0.61	2.26	1	1
5:D:542:7Q9:C1	5:D:553:7Q9:C3	0.61	2.79	1	2
5:D:545:7Q9:C1	5:D:545:7Q9:C31	0.61	2.78	1	18
5:D:556:7Q9:C31	5:D:556:7Q9:O22	0.61	2.49	2	15
6:D:510:17F:C30	6:D:533:17F:H77	0.61	2.26	6	2
6:E:808:17F:C33	6:E:808:17F:H12	0.61	2.25	14	2
6:A:213:17F:H68	6:A:213:17F:H51	0.61	1.71	16	1
6:A:208:17F:H43	6:A:208:17F:H33	0.61	1.72	18	1
5:A:211:7Q9:C15	5:A:211:7Q9:O12	0.61	2.48	20	20
6:D:518:17F:C20	6:D:518:17F:C2X	0.61	2.79	12	10
6:E:873:17F:C20	6:E:873:17F:H39	0.61	2.26	15	6
6:A:219:17F:H71	5:D:505:7Q9:C37	0.61	2.26	4	5
6:E:871:17F:H9A	5:E:872:7Q9:C23	0.61	2.25	6	1
6:D:510:17F:C19	6:D:533:17F:H19A	0.61	2.25	7	1
6:E:842:17F:H39	6:E:842:17F:C1X	0.61	2.20	12	6
6:A:213:17F:C20	6:A:213:17F:H12	0.61	2.26	15	1
6:E:820:17F:H75	5:E:853:7Q9:C36	0.61	2.26	15	1
6:A:213:17F:H74	6:E:810:17F:H53	0.61	1.72	17	1
6:A:220:17F:H72	5:D:515:7Q9:C317	0.61	2.26	18	1
5:A:204:7Q9:O22	5:A:204:7Q9:O11	0.61	2.19	4	18
6:A:219:17F:C35	6:A:219:17F:C31	0.61	2.79	11	3
1:B:68:ARG:HA	1:B:71:TYR:CE1	0.61	2.31	1	4
5:D:526:7Q9:O14	5:D:526:7Q9:O21	0.61	2.19	4	19
6:D:540:17F:O8	6:D:540:17F:O9	0.61	2.19	2	13
5:D:556:7Q9:C15	5:D:556:7Q9:O12	0.61	2.48	3	20
5:E:849:7Q9:C34	5:E:852:7Q9:C31	0.61	2.79	8	6
6:E:829:17F:H39	6:E:829:17F:H11A	0.61	1.72	12	4
5:E:846:7Q9:C2	5:E:846:7Q9:O32	0.61	2.47	17	16
6:A:219:17F:H20	5:E:801:7Q9:C32	0.61	2.25	3	1
6:E:806:17F:H29	6:E:806:17F:H39	0.61	1.72	14	3
6:A:208:17F:H8A	6:B:208:17F:O2	0.61	1.95	6	1
1:A:149:ARG:HG2	1:A:152:VAL:HG21	0.61	1.73	7	1
5:A:210:7Q9:C316	6:A:220:17F:H49	0.61	2.25	11	1
1:A:59:ALA:HB3	1:A:64:TYR:HE2	0.61	1.55	14	1
1:B:19:LEU:HD23	1:B:146:ALA:HB2	0.61	1.71	18	1
6:D:510:17F:H59	6:D:533:17F:C34	0.61	2.25	20	1
5:A:210:7Q9:O22	5:A:210:7Q9:C3	0.61	2.46	16	17
6:D:534:17F:H60	6:D:534:17F:H10A	0.61	1.73	17	12
5:E:804:7Q9:O22	5:E:804:7Q9:O31	0.61	2.19	5	6

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:B:209:7Q9:O22	5:B:209:7Q9:O11	0.61	2.19	19	17
6:D:539:17F:H63	6:D:539:17F:C22	0.61	2.25	3	4
6:E:819:17F:H59	6:E:819:17F:C36	0.61	2.24	13	6
6:E:819:17F:H12A	6:E:820:17F:C1X	0.61	2.25	3	1
6:D:510:17F:C4	6:D:510:17F:O10	0.61	2.48	10	4
5:D:543:7Q9:C32	6:D:552:17F:H37	0.61	2.26	4	1
5:A:207:7Q9:C33	5:A:216:7Q9:C23	0.61	2.79	7	2
5:D:529:7Q9:C3	5:D:541:7Q9:O22	0.61	2.49	5	3
5:B:205:7Q9:C316	6:B:208:17F:H77	0.61	2.25	10	2
5:E:848:7Q9:O14	6:E:873:17F:N1	0.61	2.33	7	2
6:E:818:17F:O10	5:E:821:7Q9:C13	0.61	2.48	16	4
6:D:520:17F:H78	5:E:841:7Q9:C318	0.61	2.25	14	2
6:E:810:17F:H31	6:E:819:17F:H63	0.61	1.73	17	1
6:E:829:17F:H12	5:E:833:7Q9:C35	0.61	2.25	18	1
6:E:839:17F:H40	6:E:839:17F:H33	0.61	1.73	8	3
6:D:533:17F:H40	6:D:533:17F:H72	0.61	1.70	7	3
3:A:201:GSP:O1B	3:A:201:GSP:S1G	0.61	2.59	17	6
5:E:834:7Q9:C15	6:E:856:17F:H2	0.61	2.25	14	3
6:E:839:17F:H9A	6:E:839:17F:C34	0.61	2.26	14	6
6:D:540:17F:H30	6:D:540:17F:C36	0.61	2.25	20	3
5:E:805:7Q9:C3	6:E:812:17F:H31	0.61	2.26	13	2
6:E:819:17F:C33	6:E:842:17F:H65	0.61	2.25	19	2
5:D:513:7Q9:C15	5:D:513:7Q9:O12	0.60	2.48	13	20
6:E:839:17F:H77	6:E:839:17F:C27	0.60	2.26	1	3
5:E:846:7Q9:O22	5:E:846:7Q9:O11	0.60	2.19	20	16
5:B:210:7Q9:C1	5:B:210:7Q9:C31	0.60	2.79	4	4
6:E:819:17F:H65	6:E:819:17F:C32	0.60	2.26	2	6
5:D:524:7Q9:O32	5:D:524:7Q9:O21	0.60	2.18	5	9
6:D:511:17F:H8A	5:D:513:7Q9:C12	0.60	2.26	4	1
6:A:213:17F:H37	5:D:509:7Q9:C22	0.60	2.25	6	1
6:E:829:17F:H36	6:E:829:17F:H58	0.60	1.73	8	3
6:E:808:17F:H18A	6:E:810:17F:H18	0.60	1.71	10	1
5:B:205:7Q9:C311	6:B:208:17F:H10A	0.60	2.26	8	5
5:E:851:7Q9:C35	6:E:871:17F:C20	0.60	2.80	6	5
6:B:208:17F:H10	5:B:209:7Q9:C34	0.60	2.26	4	1
6:D:534:17F:H72	5:E:863:7Q9:C317	0.60	2.27	17	2
5:D:507:7Q9:O32	5:D:507:7Q9:O21	0.60	2.19	18	15
6:E:802:17F:C42	6:E:802:17F:H49	0.60	2.26	11	3
6:E:839:17F:C1Z	6:E:839:17F:C23	0.60	2.79	8	11
6:E:802:17F:H77	6:E:802:17F:C28	0.60	2.24	2	2
5:D:503:7Q9:C36	6:D:519:17F:H56	0.60	2.26	5	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:A:208:17F:H34	6:A:208:17F:C26	0.60	2.23	7	1
6:A:213:17F:C42	6:E:808:17F:H53	0.60	2.24	17	2
6:A:219:17F:H66	6:D:518:17F:H43	0.60	1.71	7	1
5:B:205:7Q9:C318	6:E:812:17F:H77	0.60	2.25	14	1
5:E:837:7Q9:O22	5:E:853:7Q9:C13	0.60	2.49	16	1
6:D:511:17F:O10	6:D:511:17F:C4	0.60	2.47	7	6
6:D:519:17F:H57	6:D:519:17F:H40	0.60	1.71	16	7
5:E:813:7Q9:C14	5:E:813:7Q9:O12	0.60	2.49	1	20
6:E:839:17F:H19	6:E:839:17F:C31	0.60	2.23	2	10
1:A:68:ARG:HA	1:A:71:TYR:CZ	0.60	2.31	11	8
5:A:215:7Q9:C12	6:D:511:17F:H5	0.60	2.26	3	1
6:A:220:17F:H37	5:D:502:7Q9:C311	0.60	2.26	15	3
6:D:520:17F:H71	5:E:841:7Q9:C318	0.60	2.25	5	3
6:E:819:17F:H47	6:E:819:17F:H77	0.60	1.73	3	1
6:A:213:17F:H39	6:A:213:17F:C33	0.60	2.26	7	1
1:B:32:TYR:CE2	3:B:201:GSP:H5'2	0.60	2.31	8	1
2:E:555:SER:N	6:E:873:17F:H68	0.60	2.11	9	4
6:D:552:17F:H41	6:D:552:17F:H66	0.60	1.73	10	2
6:A:208:17F:H72	6:B:208:17F:H68	0.60	1.73	20	1
5:B:207:7Q9:C14	5:B:207:7Q9:O12	0.60	2.50	5	20
5:B:209:7Q9:C316	5:E:823:7Q9:C312	0.60	2.79	7	3
6:D:520:17F:H4	6:D:520:17F:O10	0.60	1.97	6	6
5:E:821:7Q9:C2	6:E:839:17F:H18	0.60	2.26	6	1
5:E:822:7Q9:C22	5:E:826:7Q9:C35	0.60	2.80	9	6
5:A:205:7Q9:C316	6:E:806:17F:H75	0.60	2.26	7	1
1:B:15:GLY:O	1:B:19:LEU:HG	0.60	1.95	17	2
6:E:808:17F:H20	6:E:810:17F:C20	0.60	2.27	11	2
6:D:540:17F:H65	6:D:540:17F:C1X	0.60	2.26	18	1
5:D:516:7Q9:O11	5:D:516:7Q9:C31	0.60	2.50	11	10
5:D:528:7Q9:O12	5:D:528:7Q9:C13	0.60	2.49	19	20
5:E:844:7Q9:C22	5:E:845:7Q9:C14	0.60	2.80	6	5
5:D:525:7Q9:C21	5:D:525:7Q9:O32	0.60	2.49	7	12
5:A:210:7Q9:O13	6:A:220:17F:N1	0.60	2.34	16	2
5:D:521:7Q9:C31	5:D:521:7Q9:O11	0.60	2.50	17	4
6:E:842:17F:H4A	6:E:842:17F:O4	0.60	1.96	16	1
6:D:519:17F:H58	6:D:519:17F:C36	0.60	2.10	17	1
5:E:870:7Q9:C11	6:E:873:17F:H8A	0.60	2.25	19	1
5:D:524:7Q9:C15	6:D:539:17F:O5	0.60	2.50	2	4
5:E:817:7Q9:C3	5:E:817:7Q9:O12	0.60	2.50	20	12
5:E:868:7Q9:C3	5:E:868:7Q9:O22	0.60	2.48	8	10
5:A:212:7Q9:O22	5:A:212:7Q9:C3	0.60	2.47	8	12

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:A:220:17F:H12	6:A:220:17F:C36	0.60	2.25	2	2
2:E:736:TYR:HD1	5:E:876:7Q9:C310	0.60	2.09	4	7
6:E:808:17F:H30	6:E:808:17F:C32	0.60	2.25	7	6
5:E:845:7Q9:C311	5:E:845:7Q9:C37	0.60	2.79	11	11
6:D:533:17F:H42	5:D:541:7Q9:C313	0.60	2.26	7	2
1:A:68:ARG:HA	1:A:71:TYR:CE1	0.60	2.32	6	3
6:D:511:17F:H2	6:D:511:17F:C18	0.60	2.26	6	2
5:A:203:7Q9:O32	6:A:208:17F:H12A	0.60	1.97	7	1
6:A:219:17F:H76	5:D:505:7Q9:C316	0.60	2.27	9	4
5:B:205:7Q9:C310	6:B:208:17F:H11	0.60	2.27	14	2
6:A:208:17F:H64	6:A:208:17F:H45	0.60	1.72	17	1
1:A:37:GLU:HG2	1:A:56:LEU:HD11	0.60	1.72	20	4
5:D:505:7Q9:O32	5:D:505:7Q9:O21	0.60	2.20	6	11
1:A:81:VAL:HG12	1:A:114:VAL:HB	0.60	1.72	2	1
5:B:205:7Q9:C316	6:B:208:17F:H71	0.60	2.27	10	3
6:B:208:17F:H48	6:E:812:17F:H70	0.60	1.73	3	1
2:D:400:LEU:HG	5:D:548:7Q9:C312	0.60	2.26	3	2
6:D:552:17F:H41	6:D:552:17F:C37	0.60	2.26	10	1
6:E:810:17F:H31	6:E:819:17F:C35	0.60	2.26	17	1
5:A:204:7Q9:C31	5:A:204:7Q9:C21	0.60	2.78	18	1
5:B:203:7Q9:O12	5:B:203:7Q9:C15	0.60	2.50	13	20
6:D:540:17F:H30	6:D:540:17F:H65	0.60	1.74	7	4
5:E:832:7Q9:C3	5:E:832:7Q9:O22	0.60	2.47	20	12
6:E:871:17F:H58	6:E:871:17F:C2X	0.60	2.26	6	10
6:E:871:17F:O10	6:E:871:17F:C6	0.60	2.46	15	6
5:B:205:7Q9:C316	6:E:812:17F:H75	0.60	2.26	12	1
5:D:549:7Q9:C14	5:D:549:7Q9:O12	0.60	2.50	1	20
6:E:812:17F:O10	6:E:812:17F:C6	0.60	2.47	8	15
5:E:841:7Q9:O22	5:E:841:7Q9:C3	0.60	2.45	11	18
5:B:206:7Q9:C310	6:B:208:17F:H74	0.60	2.27	15	3
6:E:818:17F:H20	5:E:834:7Q9:O32	0.60	1.97	4	1
6:E:819:17F:H10A	6:E:820:17F:C1X	0.60	2.05	4	3
5:E:851:7Q9:C316	6:E:871:17F:H61	0.60	2.26	5	1
6:A:208:17F:H78	6:B:208:17F:H67	0.60	1.73	15	1
5:D:549:7Q9:C11	5:D:551:7Q9:C23	0.60	2.79	18	1
5:A:211:7Q9:C313	5:A:211:7Q9:C38	0.59	2.80	11	6
5:A:215:7Q9:O22	5:A:215:7Q9:C3	0.59	2.47	11	6
6:E:871:17F:H35	6:E:871:17F:H58	0.59	1.74	2	8
5:A:203:7Q9:C3	5:A:203:7Q9:O22	0.59	2.48	2	13
5:E:853:7Q9:C3	5:E:853:7Q9:C12	0.59	2.80	6	5
6:E:856:17F:H29	6:E:856:17F:C33	0.59	2.27	4	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:A:220:17F:H52	6:A:220:17F:C33	0.59	2.27	6	1
5:E:825:7Q9:C35	6:E:842:17F:H34	0.59	2.27	7	2
5:E:849:7Q9:C34	5:E:852:7Q9:C33	0.59	2.80	7	2
6:E:806:17F:H46	6:E:806:17F:H72	0.59	1.71	11	1
6:E:873:17F:H20	6:E:873:17F:C23	0.59	2.27	11	7
5:E:803:7Q9:C31	6:E:810:17F:H18A	0.59	2.26	12	2
5:E:860:7Q9:O32	5:E:860:7Q9:C21	0.59	2.50	4	17
6:D:510:17F:H5	6:D:533:17F:C20	0.59	2.27	2	2
6:D:510:17F:H10A	6:D:517:17F:H34	0.59	1.73	2	3
6:D:510:17F:H49	6:D:517:17F:H68	0.59	1.74	7	4
6:E:829:17F:H37	5:E:830:7Q9:C318	0.59	2.27	5	1
6:D:519:17F:H51	5:D:526:7Q9:C318	0.59	2.27	8	1
6:D:510:17F:H43	6:D:510:17F:H30	0.59	1.72	12	1
5:E:817:7Q9:O32	5:E:817:7Q9:O12	0.59	2.20	12	1
5:A:211:7Q9:C22	6:A:213:17F:H33	0.59	2.27	20	1
5:D:508:7Q9:O12	5:D:508:7Q9:C14	0.59	2.50	4	20
6:A:208:17F:H77	6:A:208:17F:H54	0.59	1.74	11	2
6:E:820:17F:H31	5:E:853:7Q9:C35	0.59	2.27	2	1
6:E:839:17F:H18A	6:E:839:17F:C32	0.59	2.26	2	2
6:A:213:17F:H12	6:A:213:17F:C20	0.59	2.28	16	3
6:A:220:17F:H50	5:E:811:7Q9:C318	0.59	2.27	5	3
6:D:510:17F:H5	6:D:533:17F:C18	0.59	2.28	14	3
6:D:511:17F:H43	5:D:513:7Q9:C316	0.59	2.27	17	1
6:A:213:17F:H20A	6:A:213:17F:H38	0.59	1.75	20	2
5:D:532:7Q9:C39	5:D:532:7Q9:C22	0.59	2.80	18	19
5:E:813:7Q9:C13	5:E:817:7Q9:C22	0.59	2.80	10	9
5:A:206:7Q9:C318	6:E:802:17F:H68	0.59	2.27	2	1
5:D:538:7Q9:C21	5:D:538:7Q9:O32	0.59	2.50	19	10
6:A:208:17F:H68	6:A:208:17F:C23	0.59	2.26	3	1
6:D:510:17F:C27	6:D:517:17F:H37	0.59	2.27	19	3
6:D:511:17F:H76	6:E:829:17F:H50	0.59	1.74	3	1
5:E:834:7Q9:O13	6:E:839:17F:H20A	0.59	1.97	3	1
5:A:216:7Q9:C34	6:D:517:17F:H31	0.59	2.28	12	1
6:E:812:17F:H45	6:E:812:17F:H77	0.59	1.74	12	1
5:A:212:7Q9:C313	6:A:219:17F:H54	0.59	2.27	16	1
6:D:517:17F:C27	6:D:517:17F:C23	0.59	2.78	10	14
6:D:540:17F:H4	6:D:540:17F:O10	0.59	1.95	9	12
6:D:552:17F:H2	6:D:552:17F:O1	0.59	1.98	7	11
5:E:811:7Q9:C15	5:E:811:7Q9:O12	0.59	2.51	20	20
6:A:208:17F:H43	6:A:208:17F:H34	0.59	1.75	2	2
5:A:215:7Q9:C21	5:A:215:7Q9:O32	0.59	2.51	2	12

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:E:555:SER:OG	6:E:873:17F:H65	0.59	1.98	14	2
6:E:802:17F:C31	6:E:802:17F:C35	0.59	2.66	3	6
2:E:656:VAL:HG13	6:E:857:17F:H64	0.59	1.74	20	5
5:D:523:7Q9:C313	6:D:552:17F:H38	0.59	2.28	5	1
5:E:831:7Q9:C315	6:E:871:17F:H46	0.59	2.28	5	1
6:E:839:17F:C31	6:E:839:17F:H35	0.59	2.28	16	6
6:D:539:17F:H73	5:D:549:7Q9:O32	0.59	1.97	9	1
6:A:220:17F:H66	6:A:220:17F:C23	0.59	2.26	12	1
5:B:205:7Q9:C315	6:E:812:17F:H70	0.59	2.27	15	2
5:D:512:7Q9:C34	6:D:534:17F:H6A	0.59	2.27	20	1
5:A:216:7Q9:O32	5:A:216:7Q9:O21	0.59	2.21	5	15
5:D:509:7Q9:O22	5:D:509:7Q9:C3	0.59	2.44	16	19
5:D:512:7Q9:C13	5:D:512:7Q9:O12	0.59	2.51	19	20
5:D:531:7Q9:O12	5:D:531:7Q9:C14	0.59	2.50	18	20
5:E:821:7Q9:O32	5:E:821:7Q9:O21	0.59	2.21	10	10
5:A:205:7Q9:C3	5:A:205:7Q9:O22	0.59	2.47	2	11
5:D:543:7Q9:C2	5:D:543:7Q9:O32	0.59	2.48	13	9
2:E:634:LEU:HB2	5:E:878:7Q9:C317	0.59	2.27	13	7
5:E:860:7Q9:O32	5:E:860:7Q9:O21	0.59	2.19	2	7
5:E:814:7Q9:C37	6:E:820:17F:H36	0.59	2.28	3	3
5:E:848:7Q9:O31	6:E:873:17F:N1	0.59	2.35	3	3
6:A:208:17F:C38	6:B:208:17F:H69	0.59	2.27	4	1
5:D:515:7Q9:C318	6:D:519:17F:H68	0.59	2.28	4	2
6:E:839:17F:H5	6:E:839:17F:O2	0.59	1.98	18	5
6:A:208:17F:H68	6:A:208:17F:C26	0.59	2.23	5	1
6:E:839:17F:C42	6:E:839:17F:C27	0.59	2.80	5	1
5:E:807:7Q9:C13	6:E:818:17F:H4A	0.59	2.27	6	1
1:B:46:ILE:HG23	1:B:157:TYR:HD1	0.59	1.57	7	1
6:E:819:17F:H40	6:E:820:17F:C23	0.59	2.26	12	1
6:A:208:17F:C25	6:A:219:17F:H12A	0.59	2.28	20	1
6:A:213:17F:H45	6:A:213:17F:C2X	0.59	2.26	8	5
5:D:509:7Q9:O12	5:D:509:7Q9:C13	0.59	2.51	15	20
5:D:542:7Q9:O21	5:D:542:7Q9:O12	0.59	2.21	15	8
6:E:808:17F:H58	6:E:808:17F:C12	0.59	2.28	4	6
6:A:208:17F:H40	6:A:208:17F:H58	0.59	1.74	9	2
6:E:873:17F:H56	6:E:873:17F:H39	0.59	1.74	19	4
6:E:839:17F:C1Z	6:E:839:17F:H39	0.59	2.28	19	2
5:A:204:7Q9:C14	5:A:204:7Q9:O12	0.59	2.51	11	20
6:B:208:17F:H4A	6:B:208:17F:C7	0.59	2.27	7	16
6:E:857:17F:H5	6:E:857:17F:O1	0.59	1.97	4	7
6:D:540:17F:H30	6:D:540:17F:C32	0.59	2.27	4	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:520:17F:H76	5:E:827:7Q9:C318	0.59	2.28	6	1
6:D:510:17F:C19	6:D:533:17F:C19	0.59	2.80	7	1
5:E:803:7Q9:C32	6:E:810:17F:H18A	0.59	2.28	14	4
6:A:219:17F:H6A	6:D:518:17F:H9	0.59	1.74	16	3
6:D:510:17F:H48	6:D:510:17F:C33	0.59	2.28	19	1
5:A:205:7Q9:O12	5:A:205:7Q9:C14	0.59	2.51	6	20
2:E:623:ARG:HB2	5:E:859:7Q9:C313	0.59	2.27	12	10
5:E:847:7Q9:C3	5:E:847:7Q9:O22	0.59	2.47	9	13
5:E:850:7Q9:C21	5:E:850:7Q9:O32	0.59	2.51	1	10
6:D:510:17F:O6	6:D:517:17F:H6	0.59	1.98	14	4
6:E:819:17F:H65	6:E:819:17F:H59	0.59	1.73	2	1
6:D:533:17F:H42	5:D:541:7Q9:C310	0.59	2.27	4	2
5:D:541:7Q9:C1	5:D:541:7Q9:C14	0.59	2.81	10	6
6:E:810:17F:C1Z	6:E:819:17F:H63	0.59	2.27	4	1
6:E:802:17F:H42	6:E:802:17F:H35	0.59	1.75	5	5
6:D:511:17F:H77	6:D:511:17F:C28	0.59	2.27	9	3
5:E:817:7Q9:C311	5:E:826:7Q9:C313	0.59	2.81	7	2
6:E:839:17F:H57	6:E:839:17F:H35	0.59	1.73	10	3
6:A:213:17F:H40	6:A:213:17F:H61	0.59	1.73	15	1
5:D:537:7Q9:C13	5:D:537:7Q9:O12	0.59	2.51	8	20
6:D:510:17F:C11	6:D:517:17F:H8A	0.59	2.28	10	5
6:A:219:17F:C1Y	5:E:801:7Q9:C32	0.59	2.81	4	1
6:E:839:17F:H37	5:E:858:7Q9:C39	0.59	2.28	8	2
2:D:275:LEU:HG	2:E:688:ARG:HD2	0.59	1.75	13	2
2:E:630:ALA:HB1	5:E:878:7Q9:C314	0.59	2.28	17	1
5:E:858:7Q9:C3	6:E:875:17F:H10	0.59	2.27	17	1
6:E:802:17F:H39	5:E:805:7Q9:C38	0.59	2.28	18	1
5:A:205:7Q9:C21	5:A:205:7Q9:O32	0.59	2.51	19	1
6:A:220:17F:H4	6:A:220:17F:O10	0.58	1.97	20	4
5:D:521:7Q9:C14	5:D:521:7Q9:O12	0.58	2.51	14	20
5:D:551:7Q9:C22	5:D:551:7Q9:C13	0.58	2.81	1	13
5:A:206:7Q9:C2	5:A:206:7Q9:O32	0.58	2.49	11	12
6:E:808:17F:C12	6:E:808:17F:H58	0.58	2.27	3	1
6:D:517:17F:C2X	6:D:533:17F:H38	0.58	2.27	17	3
6:B:208:17F:O2	6:B:208:17F:H2	0.58	1.98	6	1
1:A:47:ASP:HA	1:B:128:LYS:HG3	0.58	1.73	7	1
6:D:540:17F:H76	2:E:692:TYR:HE2	0.58	1.58	9	1
2:E:634:LEU:HD11	5:E:863:7Q9:C312	0.58	2.27	10	1
6:D:510:17F:C30	6:D:533:17F:H76	0.58	2.24	16	4
5:D:543:7Q9:C15	5:D:543:7Q9:O12	0.58	2.51	7	19
5:D:550:7Q9:O12	5:D:550:7Q9:C13	0.58	2.52	3	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:816:7Q9:O12	5:E:816:7Q9:C13	0.58	2.51	10	20
5:E:836:7Q9:C15	5:E:836:7Q9:O12	0.58	2.51	18	20
5:E:868:7Q9:C14	5:E:868:7Q9:O12	0.58	2.50	16	20
6:E:806:17F:O1	6:E:806:17F:N1	0.58	2.25	9	5
6:D:540:17F:H35	6:D:540:17F:C33	0.58	2.28	18	8
2:E:641:LEU:HG	5:E:852:7Q9:C313	0.58	2.28	10	3
6:E:819:17F:H78	6:E:819:17F:H47	0.58	1.76	17	3
6:A:208:17F:H65	6:A:208:17F:C23	0.58	2.26	7	1
6:E:808:17F:H46	6:E:810:17F:C35	0.58	2.14	8	2
2:D:292:GLU:HG2	2:D:296:LYS:HE3	0.58	1.74	9	1
6:D:519:17F:C38	6:D:519:17F:H48	0.58	2.28	12	1
6:E:839:17F:H51	5:E:858:7Q9:C313	0.58	2.28	16	2
6:D:540:17F:H1	5:D:545:7Q9:C33	0.58	2.27	13	1
6:A:208:17F:H44	6:A:219:17F:H12A	0.58	1.73	20	1
1:B:47:ASP:HB2	1:B:164:ARG:HH12	0.58	1.57	20	1
5:A:217:7Q9:C1	5:A:217:7Q9:O32	0.58	2.51	18	5
6:E:812:17F:O6	6:E:812:17F:O8	0.58	2.21	7	13
5:E:827:7Q9:C13	5:E:827:7Q9:O12	0.58	2.51	19	20
5:E:877:7Q9:O32	5:E:877:7Q9:C21	0.58	2.51	20	11
5:D:542:7Q9:C1	5:D:553:7Q9:O22	0.58	2.52	12	5
6:E:819:17F:H4	6:E:819:17F:O10	0.58	1.98	16	11
6:D:517:17F:H50	6:D:517:17F:H66	0.58	1.75	10	2
6:D:510:17F:H19	6:D:533:17F:C20	0.58	2.29	7	1
6:D:519:17F:H43	6:D:519:17F:H59	0.58	1.75	7	2
5:B:205:7Q9:C39	6:B:208:17F:H66	0.58	2.29	15	3
6:D:518:17F:O2	6:D:518:17F:H2	0.58	1.99	11	1
5:D:523:7Q9:O22	6:D:552:17F:H19A	0.58	1.98	11	1
6:E:839:17F:H8A	6:E:857:17F:C23	0.58	2.27	16	2
6:A:213:17F:H49	6:A:213:17F:H68	0.58	1.73	17	1
6:D:552:17F:H9A	6:D:552:17F:C31	0.58	2.28	20	1
5:A:203:7Q9:O12	5:A:203:7Q9:C13	0.58	2.51	7	20
5:A:217:7Q9:C13	5:A:217:7Q9:O12	0.58	2.52	6	20
5:D:544:7Q9:C14	5:D:544:7Q9:O12	0.58	2.51	17	20
2:E:733:LEU:HA	5:E:876:7Q9:C310	0.58	2.29	16	7
5:E:825:7Q9:O12	5:E:825:7Q9:C14	0.58	2.51	5	20
5:E:846:7Q9:C15	5:E:846:7Q9:O12	0.58	2.51	10	20
5:E:876:7Q9:C14	5:E:876:7Q9:O12	0.58	2.52	1	20
6:E:871:17F:O1	6:E:871:17F:H5	0.58	1.99	3	12
6:E:875:17F:C6	6:E:875:17F:O1	0.58	2.51	3	4
5:E:811:7Q9:O21	5:E:826:7Q9:C37	0.58	2.51	5	1
6:A:208:17F:H68	6:A:208:17F:C28	0.58	2.16	8	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:A:219:17F:H58	5:D:508:7Q9:C317	0.58	2.28	8	1
5:E:843:7Q9:C2	5:E:843:7Q9:O32	0.58	2.49	18	1
6:E:818:17F:H51	5:E:821:7Q9:C318	0.58	2.28	20	1
5:D:501:7Q9:C14	5:D:501:7Q9:O12	0.58	2.51	3	20
5:D:554:7Q9:O22	5:D:554:7Q9:O12	0.58	2.22	1	4
5:E:849:7Q9:C14	5:E:849:7Q9:O12	0.58	2.51	14	20
6:D:511:17F:C28	6:D:511:17F:H77	0.58	2.28	2	2
6:D:540:17F:H65	6:D:540:17F:H30	0.58	1.76	12	5
5:D:544:7Q9:C12	5:D:544:7Q9:O32	0.58	2.51	3	2
5:E:864:7Q9:C32	5:E:874:7Q9:C32	0.58	2.81	3	8
6:D:510:17F:H48	6:D:510:17F:H61	0.58	1.75	4	3
6:D:518:17F:C2X	6:D:518:17F:H20A	0.58	2.29	20	2
5:B:206:7Q9:O22	5:B:206:7Q9:C3	0.58	2.47	9	4
6:D:518:17F:H29	6:D:518:17F:C18	0.58	2.29	11	1
6:A:208:17F:C1Z	6:A:219:17F:H12A	0.58	2.29	16	2
5:D:529:7Q9:C1	5:D:529:7Q9:O22	0.58	2.49	12	1
6:E:857:17F:O8	6:E:857:17F:C4	0.58	2.51	12	1
6:E:806:17F:H68	6:E:806:17F:H46	0.58	1.73	13	1
1:A:147:LYS:HB2	3:A:201:GSP:HN1	0.58	1.59	17	1
6:D:540:17F:C10	5:D:545:7Q9:C33	0.58	2.81	17	1
6:A:213:17F:H19A	6:A:213:17F:O1	0.58	1.98	20	3
1:B:15:GLY:HA2	3:B:201:GSP:H8	0.58	1.59	3	4
5:D:515:7Q9:O12	5:D:515:7Q9:C13	0.58	2.52	17	20
6:E:808:17F:O10	6:E:810:17F:H18	0.58	1.98	1	2
5:E:869:7Q9:C14	5:E:869:7Q9:O12	0.58	2.51	10	20
6:E:839:17F:C23	6:E:839:17F:H33	0.58	2.28	14	5
5:E:835:7Q9:C318	6:E:856:17F:H67	0.58	2.28	4	2
6:D:533:17F:H49	6:E:857:17F:H76	0.58	1.75	7	2
5:D:524:7Q9:O13	5:D:543:7Q9:C14	0.58	2.51	6	1
6:E:820:17F:H44	6:E:820:17F:C31	0.58	2.28	19	6
6:D:519:17F:H52	6:D:519:17F:H67	0.58	1.75	9	2
6:A:213:17F:H54	5:D:503:7Q9:C315	0.58	2.28	10	1
2:E:623:ARG:HB3	5:E:859:7Q9:C310	0.58	2.29	10	1
5:D:501:7Q9:C317	5:E:809:7Q9:C39	0.58	2.82	19	2
5:A:218:7Q9:C14	5:A:218:7Q9:O12	0.58	2.52	10	20
6:D:534:17F:O10	6:D:534:17F:C7	0.58	2.51	2	17
5:E:814:7Q9:C310	6:E:820:17F:H49	0.58	2.28	1	4
1:B:80:CYS:HB3	1:B:93:ILE:HD12	0.58	1.75	20	7
5:B:206:7Q9:O22	5:D:501:7Q9:C12	0.58	2.51	2	4
2:D:273:ASP:HB2	6:D:540:17F:C31	0.58	2.29	14	5
5:D:554:7Q9:O11	5:D:554:7Q9:O22	0.58	2.20	14	12

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:E:820:17F:H61	5:E:837:7Q9:C36	0.58	2.28	7	3
5:E:821:7Q9:C31	5:E:821:7Q9:C21	0.58	2.82	15	3
5:D:513:7Q9:O31	5:D:513:7Q9:O22	0.58	2.22	17	13
6:E:808:17F:C1Y	6:E:819:17F:H9A	0.58	2.28	17	2
5:E:821:7Q9:O22	5:E:821:7Q9:O31	0.58	2.22	20	3
6:D:518:17F:H57	6:D:518:17F:C35	0.58	2.29	11	1
5:E:804:7Q9:C22	6:E:808:17F:H8A	0.58	2.29	16	1
2:E:623:ARG:HD3	5:E:859:7Q9:C310	0.58	2.28	20	1
5:D:505:7Q9:C14	5:D:505:7Q9:O12	0.58	2.51	19	20
5:D:521:7Q9:O22	5:D:521:7Q9:C3	0.58	2.49	15	11
5:D:546:7Q9:C15	5:D:546:7Q9:O12	0.58	2.52	4	20
5:E:814:7Q9:C314	6:E:819:17F:H52	0.58	2.28	18	3
5:E:830:7Q9:C14	5:E:830:7Q9:O12	0.58	2.52	8	20
5:E:833:7Q9:C14	5:E:833:7Q9:O12	0.58	2.52	17	20
5:E:837:7Q9:C13	5:E:837:7Q9:O12	0.58	2.51	15	20
5:E:850:7Q9:O12	5:E:850:7Q9:C14	0.58	2.52	14	20
5:E:878:7Q9:C15	5:E:878:7Q9:O12	0.58	2.52	14	20
5:B:209:7Q9:O12	5:B:209:7Q9:C13	0.58	2.52	6	19
6:E:819:17F:H46	5:E:836:7Q9:C310	0.58	2.29	2	1
2:D:333:LYS:HD3	5:E:878:7Q9:C318	0.58	2.29	10	3
6:E:819:17F:O6	6:E:819:17F:C7	0.58	2.51	17	4
5:E:877:7Q9:O22	5:E:877:7Q9:C3	0.58	2.49	3	5
5:A:218:7Q9:C31	5:A:218:7Q9:O22	0.58	2.51	5	5
5:E:803:7Q9:O13	6:E:808:17F:C2	0.58	2.51	19	3
6:E:819:17F:H42	5:E:836:7Q9:C311	0.58	2.29	5	2
5:B:210:7Q9:C14	5:B:210:7Q9:O12	0.58	2.51	6	1
5:D:502:7Q9:O14	5:D:502:7Q9:O21	0.58	2.21	10	5
1:A:77:GLY:HA3	1:A:163:ILE:HD11	0.58	1.74	13	1
6:A:213:17F:H52	5:D:503:7Q9:C314	0.58	2.29	19	1
5:A:212:7Q9:O13	5:A:212:7Q9:O21	0.58	2.22	1	10
5:D:522:7Q9:O22	5:D:522:7Q9:C3	0.58	2.50	4	18
5:D:536:7Q9:O32	5:D:536:7Q9:C21	0.58	2.52	17	14
6:E:857:17F:C7	6:E:857:17F:H4A	0.58	2.29	4	13
5:E:860:7Q9:C14	5:E:860:7Q9:O12	0.58	2.52	12	20
6:D:540:17F:H30	6:D:540:17F:H64	0.58	1.74	2	1
5:D:542:7Q9:P	5:D:542:7Q9:O21	0.58	2.62	9	16
5:E:853:7Q9:C3	5:E:853:7Q9:O22	0.58	2.50	6	13
5:D:537:7Q9:C311	5:D:537:7Q9:C37	0.58	2.81	12	3
6:E:818:17F:H29	5:E:834:7Q9:C32	0.58	2.29	3	1
6:E:819:17F:H42	5:E:836:7Q9:C310	0.58	2.28	4	5
5:E:833:7Q9:C22	5:E:833:7Q9:C13	0.58	2.81	18	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:A:218:7Q9:O22	5:A:218:7Q9:O31	0.58	2.22	17	5
6:D:517:17F:H76	6:E:839:17F:H73	0.58	1.74	5	1
5:E:825:7Q9:C37	6:E:842:17F:H58	0.58	2.29	17	2
5:A:218:7Q9:C35	6:D:511:17F:H64	0.58	2.29	9	1
6:D:511:17F:H55	6:E:829:17F:C30	0.58	2.28	9	1
6:E:857:17F:H63	6:E:857:17F:C31	0.58	2.24	16	8
6:A:219:17F:H56	5:E:801:7Q9:C36	0.58	2.29	10	1
6:E:829:17F:H12	5:E:833:7Q9:C33	0.58	2.29	10	2
3:B:201:GSP:S1G	3:B:201:GSP:O3A	0.58	2.62	16	3
6:A:219:17F:H19	6:A:219:17F:O8	0.58	1.99	13	1
5:A:216:7Q9:O32	5:B:207:7Q9:C35	0.58	2.52	17	1
6:D:510:17F:H60	6:D:517:17F:H12A	0.58	0.83	20	1
5:A:203:7Q9:C38	5:A:203:7Q9:C313	0.58	2.82	1	2
5:A:206:7Q9:C13	5:A:206:7Q9:P	0.58	2.92	16	9
5:A:215:7Q9:C13	5:A:215:7Q9:O12	0.58	2.51	8	20
6:D:518:17F:C2X	6:D:518:17F:C20	0.58	2.82	1	3
5:E:858:7Q9:C14	5:E:858:7Q9:O12	0.58	2.51	16	20
6:D:510:17F:H12	6:D:517:17F:C9	0.58	2.29	13	4
5:D:535:7Q9:O22	5:D:535:7Q9:C3	0.58	2.49	16	13
6:D:510:17F:O9	6:D:517:17F:C10	0.58	2.51	4	4
5:E:840:7Q9:C21	5:E:840:7Q9:O32	0.58	2.52	4	3
2:D:272:TRP:HZ3	6:D:540:17F:H71	0.58	1.59	10	1
1:A:13:GLY:HA2	3:A:201:GSP:C5'	0.58	2.29	20	5
5:A:210:7Q9:O14	5:D:502:7Q9:C12	0.58	2.51	19	1
1:A:22:GLN:O	1:A:26:ASN:HA	0.57	1.99	4	14
5:E:867:7Q9:O31	5:E:867:7Q9:O22	0.57	2.22	8	20
6:E:875:17F:H36	6:E:875:17F:C24	0.57	2.26	17	13
5:D:547:7Q9:O32	5:D:547:7Q9:C2	0.57	2.50	15	13
5:B:210:7Q9:C311	5:E:823:7Q9:C317	0.57	2.82	19	11
5:E:851:7Q9:C35	6:E:871:17F:H20	0.57	2.29	6	4
6:E:856:17F:H53	5:E:868:7Q9:C317	0.57	2.28	6	2
5:E:864:7Q9:C1	5:E:874:7Q9:C32	0.57	2.82	19	4
6:A:213:17F:H52	5:D:503:7Q9:C315	0.57	2.29	13	2
5:D:555:7Q9:O31	6:E:857:17F:H32	0.57	1.99	17	1
6:E:839:17F:C11	6:E:857:17F:H35	0.57	2.29	20	1
1:A:84:ILE:HD12	1:A:123:ARG:HB3	0.57	1.76	2	8
5:A:209:7Q9:O31	5:A:209:7Q9:C13	0.57	2.52	1	1
5:B:205:7Q9:O12	5:B:205:7Q9:C13	0.57	2.52	10	20
5:B:210:7Q9:O12	5:B:210:7Q9:C14	0.57	2.52	14	19
5:D:507:7Q9:C14	5:D:507:7Q9:O12	0.57	2.52	6	20
6:D:510:17F:C28	6:D:517:17F:C22	0.57	2.72	4	10

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:D:548:7Q9:O12	5:D:548:7Q9:C13	0.57	2.51	6	20
5:E:862:7Q9:C14	5:E:862:7Q9:O12	0.57	2.52	8	20
6:A:208:17F:C20	6:A:219:17F:H10A	0.57	2.29	3	2
2:D:305:GLN:NE2	6:D:533:17F:H10A	0.57	2.14	11	4
1:B:83:ALA:HB3	1:B:86:ASN:HB3	0.57	1.76	19	4
6:A:220:17F:H41	6:A:220:17F:H73	0.57	1.75	8	2
6:D:520:17F:C39	6:D:520:17F:H55	0.57	2.29	9	1
6:E:808:17F:H76	6:E:808:17F:C29	0.57	2.21	14	4
6:A:213:17F:H51	5:D:503:7Q9:C314	0.57	2.29	12	1
6:D:519:17F:H55	5:E:843:7Q9:C318	0.57	2.29	20	1
5:E:822:7Q9:C15	5:E:822:7Q9:O12	0.57	2.53	1	19
5:E:838:7Q9:C15	5:E:838:7Q9:O12	0.57	2.53	7	20
5:E:840:7Q9:O12	5:E:840:7Q9:C13	0.57	2.51	2	20
5:E:861:7Q9:C15	5:E:861:7Q9:O12	0.57	2.53	12	20
5:E:867:7Q9:C15	5:E:867:7Q9:O12	0.57	2.52	11	20
6:D:519:17F:C37	6:D:519:17F:H52	0.57	2.29	8	3
6:E:857:17F:C31	6:E:857:17F:H63	0.57	2.28	8	3
5:B:210:7Q9:C1	5:B:210:7Q9:O32	0.57	2.52	4	1
5:E:817:7Q9:C1	5:E:817:7Q9:O22	0.57	2.51	5	3
5:D:555:7Q9:C3	5:E:833:7Q9:C3	0.57	2.82	7	2
5:D:543:7Q9:C34	6:D:552:17F:H73	0.57	2.29	6	1
6:E:839:17F:H73	6:E:875:17F:C30	0.57	2.29	12	1
6:E:808:17F:H69	5:E:814:7Q9:C311	0.57	2.29	15	1
6:A:219:17F:H68	6:A:219:17F:H61	0.57	1.76	16	1
5:A:214:7Q9:C15	5:A:214:7Q9:C1	0.57	2.83	1	10
6:B:208:17F:O10	6:B:208:17F:C6	0.57	2.46	6	6
5:E:805:7Q9:C14	5:E:805:7Q9:O12	0.57	2.51	14	20
5:E:815:7Q9:C15	5:E:815:7Q9:O12	0.57	2.53	19	20
6:E:818:17F:O10	6:E:818:17F:H4	0.57	1.98	16	5
6:D:510:17F:H9	6:D:517:17F:C9	0.57	2.29	2	3
6:A:219:17F:H66	6:D:518:17F:C21	0.57	2.27	3	1
1:B:120:LEU:HD11	3:B:201:GSP:N2	0.57	2.14	4	3
6:D:517:17F:H76	6:E:839:17F:H74	0.57	1.74	7	3
6:D:540:17F:H30	6:D:540:17F:H58	0.57	1.74	4	1
6:E:818:17F:H49	5:E:821:7Q9:C316	0.57	2.29	5	1
6:A:213:17F:O10	6:A:213:17F:C4	0.57	2.48	7	3
6:D:519:17F:H43	6:D:519:17F:C32	0.57	2.29	7	1
6:E:839:17F:C28	6:E:875:17F:H53	0.57	2.29	7	1
5:D:513:7Q9:C311	6:D:534:17F:H65	0.57	2.29	11	1
6:E:808:17F:C18	6:E:810:17F:H20	0.57	2.29	11	3
6:A:219:17F:H48	6:A:219:17F:H75	0.57	1.73	14	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:D:340:LYS:HE2	2:E:622:LEU:HD22	0.57	1.76	18	1
5:A:211:7Q9:C23	6:A:213:17F:H33	0.57	2.30	20	1
5:D:530:7Q9:C14	5:D:530:7Q9:O12	0.57	2.53	6	19
5:D:545:7Q9:C1	5:D:545:7Q9:O32	0.57	2.52	16	7
5:D:545:7Q9:C14	5:D:545:7Q9:O12	0.57	2.51	14	20
5:E:828:7Q9:C15	5:E:828:7Q9:O12	0.57	2.53	4	20
5:E:834:7Q9:C14	5:E:834:7Q9:O12	0.57	2.52	10	20
5:E:835:7Q9:C1	5:E:835:7Q9:O22	0.57	2.50	15	7
5:E:843:7Q9:C14	5:E:843:7Q9:O12	0.57	2.53	3	20
5:E:844:7Q9:C15	5:E:844:7Q9:O12	0.57	2.52	20	20
5:E:862:7Q9:O22	5:E:862:7Q9:C1	0.57	2.49	1	13
5:E:878:7Q9:O11	5:E:878:7Q9:O22	0.57	2.23	6	14
5:B:203:7Q9:O32	5:B:203:7Q9:O21	0.57	2.23	13	16
6:D:518:17F:H53	6:D:518:17F:C41	0.57	2.29	4	2
6:E:808:17F:C31	6:E:820:17F:C1X	0.57	2.81	4	3
5:A:215:7Q9:C37	6:D:511:17F:H74	0.57	2.29	5	1
6:D:511:17F:H76	6:E:829:17F:C30	0.57	2.15	7	2
5:E:833:7Q9:C23	6:E:857:17F:H39	0.57	2.29	12	1
6:E:808:17F:H70	6:E:819:17F:C42	0.57	2.29	13	1
6:E:810:17F:H29	6:E:810:17F:C23	0.57	2.17	17	1
5:A:206:7Q9:O22	5:A:206:7Q9:C1	0.57	2.49	1	9
5:D:505:7Q9:C14	6:D:518:17F:O8	0.57	2.52	11	3
6:D:518:17F:O10	6:D:518:17F:C6	0.57	2.50	9	16
5:D:538:7Q9:O32	5:D:538:7Q9:O21	0.57	2.21	17	14
5:D:555:7Q9:O12	5:D:555:7Q9:C13	0.57	2.51	12	19
5:A:203:7Q9:O13	5:A:204:7Q9:C13	0.57	2.52	15	5
5:D:514:7Q9:C15	5:D:514:7Q9:O12	0.57	2.52	9	14
5:E:878:7Q9:C37	5:E:878:7Q9:C311	0.57	2.82	19	9
6:D:517:17F:C17	6:D:517:17F:H1A	0.57	2.29	3	1
5:D:555:7Q9:C2	5:D:555:7Q9:O32	0.57	2.48	5	11
5:E:870:7Q9:O22	5:E:870:7Q9:C1	0.57	2.49	11	5
5:E:813:7Q9:C13	5:E:817:7Q9:O22	0.57	2.53	13	4
1:A:82:PHE:HB2	1:A:89:SER:HB2	0.57	1.77	7	1
6:D:518:17F:H35	6:D:518:17F:H20	0.57	1.74	11	1
5:A:206:7Q9:C13	5:A:206:7Q9:O12	0.57	2.53	3	20
5:B:210:7Q9:C3	5:B:210:7Q9:O22	0.57	2.51	16	13
6:D:510:17F:C7	6:D:517:17F:C9	0.57	2.83	9	4
6:D:511:17F:H8A	5:D:513:7Q9:C14	0.57	2.30	16	4
5:D:530:7Q9:C33	5:D:530:7Q9:C37	0.57	2.83	5	20
5:D:541:7Q9:O12	5:D:541:7Q9:C14	0.57	2.52	1	14
5:E:815:7Q9:O11	5:E:815:7Q9:O22	0.57	2.21	19	14

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:840:7Q9:C3	5:E:840:7Q9:O22	0.57	2.50	12	8
5:B:210:7Q9:O13	5:B:210:7Q9:C2	0.57	2.52	5	9
6:D:517:17F:C23	6:D:517:17F:C28	0.57	2.71	3	1
5:E:834:7Q9:C12	5:E:858:7Q9:O14	0.57	2.53	17	4
6:E:829:17F:H71	5:E:830:7Q9:C36	0.57	2.30	5	1
6:A:208:17F:O2	6:A:208:17F:C6	0.57	2.53	10	1
6:E:806:17F:O7	6:E:806:17F:P1	0.57	2.62	12	3
6:D:511:17F:H10A	5:D:513:7Q9:C23	0.57	2.29	19	2
1:B:93:ILE:HG21	1:B:113:LEU:HD11	0.57	1.75	17	1
6:D:510:17F:H65	6:D:510:17F:C29	0.57	2.30	18	1
5:A:209:7Q9:C13	5:A:209:7Q9:O12	0.57	2.52	6	20
1:B:84:ILE:HD12	1:B:123:ARG:HB3	0.57	1.76	14	9
5:D:524:7Q9:O12	5:D:524:7Q9:C15	0.57	2.51	5	18
6:E:812:17F:H75	5:E:823:7Q9:C316	0.57	2.30	14	5
5:E:832:7Q9:C14	5:E:832:7Q9:O12	0.57	2.52	20	20
5:B:204:7Q9:C317	6:E:812:17F:H54	0.57	2.30	3	1
6:E:839:17F:H9A	6:E:839:17F:H60	0.57	1.75	5	3
6:E:839:17F:H47	6:E:839:17F:H78	0.57	1.76	5	1
5:A:209:7Q9:C15	5:A:209:7Q9:C32	0.57	2.83	9	2
5:D:514:7Q9:C2	5:D:514:7Q9:O32	0.57	2.51	11	8
5:D:525:7Q9:C14	5:D:525:7Q9:O12	0.57	2.52	16	19
5:D:530:7Q9:C1	5:D:530:7Q9:O22	0.57	2.51	1	7
5:D:532:7Q9:O22	5:D:532:7Q9:C3	0.57	2.49	1	16
5:E:833:7Q9:C1	5:E:833:7Q9:O22	0.57	2.47	13	10
5:E:834:7Q9:C31	5:E:834:7Q9:C35	0.57	2.82	1	19
5:B:203:7Q9:C311	5:B:203:7Q9:C37	0.57	2.80	3	1
6:A:220:17F:H12A	5:D:502:7Q9:C311	0.57	2.30	4	1
5:B:204:7Q9:C36	5:B:204:7Q9:C311	0.57	2.83	18	2
5:A:203:7Q9:C39	6:A:208:17F:H72	0.57	2.29	5	1
6:A:208:17F:H46	6:A:208:17F:C38	0.57	2.27	5	1
2:D:404:SER:HB2	5:D:548:7Q9:C311	0.57	2.30	5	2
6:E:839:17F:H57	6:E:839:17F:H36	0.57	1.76	16	2
1:B:8:VAL:HG12	1:B:16:LYS:HD2	0.57	1.76	7	2
6:B:208:17F:C7	6:B:208:17F:C4	0.57	2.83	7	1
6:D:510:17F:H10A	6:D:517:17F:H59	0.57	1.77	8	2
6:A:219:17F:H64	6:D:518:17F:H47	0.57	1.77	11	1
5:D:502:7Q9:O22	5:D:502:7Q9:O31	0.57	2.23	17	16
5:E:869:7Q9:O22	5:E:869:7Q9:C3	0.57	2.49	8	15
6:A:208:17F:C4	6:A:208:17F:H1	0.57	2.29	8	4
6:D:518:17F:O10	5:D:528:7Q9:C1	0.57	2.53	4	2
6:E:802:17F:H20A	5:E:804:7Q9:C22	0.57	2.30	5	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:826:7Q9:C39	5:E:845:7Q9:C39	0.57	2.83	10	5
5:E:811:7Q9:C12	5:E:817:7Q9:O32	0.57	2.53	8	2
6:A:208:17F:H33	6:A:219:17F:H41	0.57	1.76	20	2
6:A:219:17F:C17	6:A:219:17F:O8	0.57	2.53	16	1
6:A:213:17F:C12	6:A:213:17F:C23	0.57	2.83	19	1
5:D:504:7Q9:C3	5:D:504:7Q9:O22	0.56	2.50	6	11
5:D:513:7Q9:O21	5:D:513:7Q9:C31	0.56	2.53	1	5
5:D:526:7Q9:O12	5:D:526:7Q9:C15	0.56	2.53	20	20
5:D:532:7Q9:O12	5:D:532:7Q9:C15	0.56	2.53	10	20
5:D:549:7Q9:O31	5:D:549:7Q9:C34	0.56	2.53	7	13
5:E:803:7Q9:O12	5:E:803:7Q9:C13	0.56	2.52	7	20
5:E:824:7Q9:C14	5:E:824:7Q9:O12	0.56	2.53	8	20
6:E:857:17F:C4	6:E:857:17F:C7	0.56	2.83	12	11
6:E:875:17F:O7	6:E:875:17F:O10	0.56	2.23	4	18
5:A:212:7Q9:C35	5:A:212:7Q9:C31	0.56	2.83	5	4
5:D:555:7Q9:C15	6:E:857:17F:H5	0.56	2.30	5	3
6:E:842:17F:H64	6:E:842:17F:C32	0.56	2.28	4	1
6:E:857:17F:O5	6:E:875:17F:H4	0.56	2.00	4	1
2:D:400:LEU:HG	5:D:548:7Q9:C310	0.56	2.29	5	1
2:E:631:ARG:HG2	5:E:878:7Q9:C34	0.56	2.30	7	3
5:E:863:7Q9:C13	5:E:863:7Q9:P	0.56	2.93	18	2
6:A:213:17F:C2X	6:A:213:17F:C24	0.56	2.83	16	2
2:D:400:LEU:HG	5:D:548:7Q9:C313	0.56	2.30	12	1
5:A:211:7Q9:C22	6:A:213:17F:H57	0.56	2.30	17	1
6:A:213:17F:H62	6:A:213:17F:H10	0.56	1.75	17	1
6:A:219:17F:H42	5:D:505:7Q9:C37	0.56	2.28	20	1
5:A:212:7Q9:C15	5:A:212:7Q9:O12	0.56	2.53	4	20
6:D:510:17F:P1	6:D:510:17F:HN1	0.56	2.23	5	8
5:E:807:7Q9:C15	5:E:807:7Q9:O12	0.56	2.54	8	20
5:E:868:7Q9:C34	5:E:868:7Q9:O31	0.56	2.53	11	14
6:E:857:17F:H56	6:E:857:17F:C35	0.56	2.30	18	11
6:E:875:17F:H4	6:E:875:17F:O10	0.56	2.00	2	1
5:E:837:7Q9:O22	5:E:837:7Q9:C1	0.56	2.47	20	13
5:D:513:7Q9:C11	5:D:513:7Q9:O21	0.56	2.53	18	12
1:B:33:ASP:O	3:B:201:GSP:S1G	0.56	2.63	7	5
6:D:517:17F:C42	6:E:839:17F:H74	0.56	2.30	20	3
6:A:219:17F:H52	5:E:816:7Q9:C318	0.56	2.30	10	1
5:E:833:7Q9:O22	6:E:839:17F:H4	0.56	2.00	18	1
5:B:204:7Q9:C3	5:B:204:7Q9:O22	0.56	2.49	2	11
5:B:204:7Q9:O12	5:B:204:7Q9:C14	0.56	2.53	19	20
5:D:535:7Q9:C13	5:D:535:7Q9:O12	0.56	2.54	17	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:539:17F:H72	5:D:549:7Q9:C22	0.56	2.30	14	2
5:E:805:7Q9:C3	5:E:805:7Q9:O22	0.56	2.49	4	15
5:E:834:7Q9:O22	5:E:834:7Q9:O31	0.56	2.22	4	16
5:E:870:7Q9:O12	5:E:870:7Q9:C15	0.56	2.53	10	20
5:E:874:7Q9:C14	5:E:874:7Q9:O12	0.56	2.53	7	20
1:A:92:ASP:HA	1:A:95:HIS:HD2	0.56	1.61	9	2
5:A:211:7Q9:C15	5:A:211:7Q9:C1	0.56	2.83	18	3
2:D:389:LEU:HD21	5:D:546:7Q9:C313	0.56	2.29	15	4
5:D:503:7Q9:O31	5:D:503:7Q9:O22	0.56	2.23	13	6
6:D:510:17F:HN1	6:D:510:17F:P1	0.56	2.23	7	8
6:E:806:17F:H78	5:E:817:7Q9:C317	0.56	2.30	3	1
5:E:854:7Q9:O14	5:E:854:7Q9:O21	0.56	2.23	15	5
6:A:213:17F:H38	5:D:507:7Q9:C35	0.56	2.30	5	1
5:D:515:7Q9:C2	5:D:515:7Q9:O32	0.56	2.51	12	7
6:D:520:17F:C30	6:D:520:17F:H72	0.56	2.30	7	4
6:E:857:17F:H65	6:E:875:17F:C33	0.56	2.30	7	2
6:E:810:17F:H48	6:E:810:17F:H60	0.56	1.78	8	2
5:D:554:7Q9:O14	5:E:848:7Q9:C12	0.56	2.52	10	3
5:E:805:7Q9:C38	5:E:805:7Q9:C312	0.56	2.83	18	2
6:A:213:17F:H51	5:D:503:7Q9:C313	0.56	2.31	12	1
1:B:144:THR:HG22	1:B:151:GLY:HA3	0.56	1.78	15	2
1:B:117:LYS:HE2	3:B:201:GSP:N7	0.56	2.14	14	1
1:A:147:LYS:HB2	3:A:201:GSP:N1	0.56	2.15	17	1
6:E:806:17F:C7	6:E:806:17F:O9	0.56	2.53	17	1
5:E:863:7Q9:C13	5:E:863:7Q9:O12	0.56	2.54	18	1
6:A:213:17F:H39	6:A:213:17F:C11	0.56	2.30	17	2
5:D:506:7Q9:C2	5:D:506:7Q9:O32	0.56	2.53	19	10
5:D:542:7Q9:O21	5:D:542:7Q9:P	0.56	2.63	15	3
5:D:550:7Q9:O22	5:D:550:7Q9:O11	0.56	2.23	15	17
5:E:854:7Q9:O32	5:E:854:7Q9:O21	0.56	2.23	10	11
5:B:205:7Q9:C313	6:B:208:17F:C42	0.56	2.83	10	7
5:D:516:7Q9:O12	5:D:516:7Q9:C14	0.56	2.53	15	19
5:B:205:7Q9:C314	6:B:208:17F:C42	0.56	2.83	7	2
5:D:555:7Q9:C12	6:E:857:17F:O10	0.56	2.54	3	1
6:D:520:17F:H54	5:E:841:7Q9:C317	0.56	2.30	4	3
5:D:524:7Q9:C12	5:D:524:7Q9:O22	0.56	2.53	20	3
5:D:528:7Q9:O22	5:D:528:7Q9:C3	0.56	2.52	6	8
6:E:871:17F:H1	6:E:871:17F:H4	0.56	1.77	5	1
5:D:523:7Q9:C32	6:D:552:17F:H40	0.56	2.31	14	2
6:E:839:17F:H71	6:E:839:17F:C27	0.56	2.28	20	2
5:E:845:7Q9:C14	5:E:865:7Q9:O22	0.56	2.53	19	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:519:17F:H12A	6:D:519:17F:C20	0.56	2.20	17	1
6:D:533:17F:O2	5:D:541:7Q9:C13	0.56	2.54	17	1
5:D:554:7Q9:O12	5:D:554:7Q9:C13	0.56	2.54	10	20
5:E:809:7Q9:O12	5:E:809:7Q9:C14	0.56	2.53	19	20
5:D:554:7Q9:O22	5:D:554:7Q9:P	0.56	2.64	5	6
5:E:816:7Q9:O32	5:E:828:7Q9:C2	0.56	2.53	12	6
5:E:817:7Q9:C12	5:E:832:7Q9:O13	0.56	2.54	5	5
5:A:218:7Q9:O21	5:A:218:7Q9:O13	0.56	2.22	3	1
5:B:205:7Q9:C310	6:B:208:17F:H63	0.56	2.30	13	4
5:D:524:7Q9:C33	5:D:543:7Q9:C34	0.56	2.83	3	3
5:E:814:7Q9:C33	5:E:830:7Q9:O13	0.56	2.53	3	3
2:D:340:LYS:HD3	2:E:626:LEU:HD21	0.56	1.77	17	4
2:D:375:ALA:HB2	5:D:535:7Q9:C35	0.56	2.31	20	3
6:E:839:17F:H77	6:E:839:17F:C28	0.56	2.29	13	7
6:D:510:17F:H54	6:D:517:17F:H72	0.56	1.77	11	2
6:D:511:17F:H53	6:E:829:17F:C30	0.56	2.29	16	1
6:D:511:17F:O9	6:D:511:17F:O8	0.56	2.24	9	17
5:D:553:7Q9:C14	5:D:553:7Q9:O12	0.56	2.54	18	20
6:E:829:17F:O10	6:E:829:17F:C6	0.56	2.52	11	11
5:E:872:7Q9:O12	5:E:872:7Q9:C13	0.56	2.54	11	20
5:A:207:7Q9:C36	5:B:207:7Q9:C314	0.56	2.84	2	2
5:A:216:7Q9:C1	5:A:216:7Q9:O22	0.56	2.48	4	9
6:D:517:17F:C23	6:D:517:17F:C27	0.56	2.74	14	3
6:E:842:17F:H42	6:E:842:17F:C31	0.56	2.29	3	1
5:E:849:7Q9:C37	5:E:852:7Q9:C32	0.56	2.83	4	4
6:D:534:17F:H40	5:D:538:7Q9:C317	0.56	2.30	20	2
6:E:839:17F:H71	6:E:875:17F:H53	0.56	1.78	5	1
6:E:808:17F:H75	6:E:819:17F:H76	0.56	1.76	6	1
6:D:518:17F:H45	5:D:549:7Q9:C311	0.56	2.30	7	1
6:D:520:17F:C27	6:D:520:17F:C39	0.56	2.84	8	1
5:E:822:7Q9:C12	5:E:826:7Q9:O13	0.56	2.54	10	2
6:A:213:17F:H37	6:A:213:17F:C1Z	0.56	2.26	10	2
6:A:213:17F:H66	6:A:213:17F:H43	0.56	1.77	11	1
6:E:842:17F:H59	6:E:842:17F:C36	0.56	2.26	14	1
6:E:806:17F:O3	6:E:806:17F:H8	0.56	2.01	17	1
6:E:812:17F:H61	5:E:824:7Q9:C32	0.56	2.31	17	2
5:E:809:7Q9:C315	6:E:818:17F:H52	0.56	2.31	19	1
5:A:210:7Q9:C13	5:A:210:7Q9:O12	0.56	2.53	16	20
5:D:502:7Q9:C32	5:D:525:7Q9:C22	0.56	2.84	9	8
5:D:506:7Q9:C21	5:D:506:7Q9:O14	0.56	2.54	1	3
5:D:527:7Q9:C1	5:D:527:7Q9:O22	0.56	2.53	16	9

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:B:207:7Q9:C1	5:B:207:7Q9:C31	0.56	2.83	16	9
6:D:517:17F:O2	6:D:517:17F:C5	0.56	2.54	13	8
5:D:504:7Q9:C38	5:D:508:7Q9:C313	0.56	2.83	20	3
2:D:429:PHE:CE1	6:D:539:17F:H66	0.56	2.35	4	4
5:A:205:7Q9:C315	6:E:806:17F:H71	0.56	2.31	5	1
5:E:844:7Q9:C2	5:E:844:7Q9:O32	0.56	2.52	5	6
5:A:218:7Q9:C310	6:D:511:17F:H52	0.56	2.30	17	1
5:A:214:7Q9:C15	5:A:214:7Q9:O12	0.56	2.53	20	20
5:E:866:7Q9:C15	5:E:866:7Q9:O12	0.56	2.53	12	20
5:D:525:7Q9:C3	5:D:525:7Q9:O22	0.56	2.51	9	4
6:A:208:17F:C33	6:A:208:17F:H43	0.56	2.31	3	1
5:D:526:7Q9:C313	5:D:544:7Q9:C314	0.56	2.84	7	4
6:A:208:17F:C39	6:B:208:17F:H69	0.56	2.30	4	1
6:D:510:17F:H45	6:D:510:17F:C37	0.56	2.30	4	1
5:E:840:7Q9:O21	5:E:840:7Q9:O32	0.56	2.23	5	1
6:A:208:17F:H19A	6:A:219:17F:C10	0.56	2.31	7	1
6:E:806:17F:H45	6:E:806:17F:H68	0.56	1.74	13	2
1:B:68:ARG:HG2	1:B:72:MET:HE3	0.56	1.78	14	1
6:D:510:17F:H18A	6:D:517:17F:C9	0.56	2.30	18	2
6:E:802:17F:H20	6:E:802:17F:H36	0.56	1.77	20	1
1:B:15:GLY:HA2	3:B:201:GSP:C8	0.56	2.36	3	2
5:D:514:7Q9:C14	5:D:525:7Q9:O22	0.56	2.54	19	3
5:E:824:7Q9:O32	5:E:824:7Q9:O21	0.56	2.24	14	15
5:E:831:7Q9:O12	5:E:831:7Q9:C14	0.56	2.54	5	20
5:E:833:7Q9:O32	5:E:833:7Q9:O21	0.56	2.23	20	13
5:E:849:7Q9:C310	5:E:852:7Q9:C311	0.56	2.84	14	13
6:E:875:17F:H11A	6:E:875:17F:HN1A	0.56	1.60	17	5
5:E:801:7Q9:O32	5:E:801:7Q9:O21	0.56	2.23	17	12
6:E:812:17F:H34	6:E:812:17F:H8	0.56	1.77	3	2
5:A:207:7Q9:O32	5:A:209:7Q9:C13	0.56	2.53	4	1
5:A:211:7Q9:C1	6:A:213:17F:H18	0.56	2.31	7	1
2:D:322:LEU:HD22	2:E:644:LEU:HD12	0.56	1.78	10	1
6:E:812:17F:H77	6:E:812:17F:C26	0.56	2.31	12	1
2:E:645:GLY:HA2	5:E:852:7Q9:C318	0.56	2.31	14	1
6:E:819:17F:H68	5:E:825:7Q9:C318	0.56	2.31	18	1
5:D:526:7Q9:O22	5:D:526:7Q9:C3	0.56	2.52	8	17
5:E:847:7Q9:C14	5:E:847:7Q9:O12	0.56	2.54	5	20
6:D:510:17F:C12	6:D:517:17F:C7	0.56	2.80	14	3
6:E:806:17F:H5	5:E:817:7Q9:C31	0.56	2.31	3	3
2:D:333:LYS:HE2	2:E:633:LYS:HG2	0.56	1.78	4	1
6:D:518:17F:H19	6:D:518:17F:C1X	0.56	2.23	4	9

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:E:808:17F:H20A	6:E:819:17F:C10	0.56	2.30	5	1
6:A:213:17F:C33	6:A:213:17F:C24	0.56	2.83	9	2
6:A:219:17F:C6	5:D:505:7Q9:O32	0.56	2.53	6	2
6:E:857:17F:P1	6:E:857:17F:HN1	0.56	2.23	11	6
5:D:531:7Q9:O32	5:D:531:7Q9:C11	0.56	2.54	9	3
6:A:219:17F:H63	6:A:219:17F:C31	0.56	2.23	11	2
2:D:262:GLU:HG3	5:D:545:7Q9:C316	0.56	2.31	11	1
6:D:510:17F:H29	6:D:510:17F:C25	0.56	2.29	12	1
6:A:219:17F:H68	5:D:505:7Q9:C37	0.56	2.30	15	1
5:A:204:7Q9:O13	5:A:211:7Q9:C15	0.56	2.54	18	1
2:E:620:GLU:HB2	2:E:621:PRO:HD3	0.56	1.78	18	2
6:E:839:17F:H12	6:E:857:17F:C21	0.56	2.31	18	1
6:A:208:17F:H34	6:A:208:17F:C25	0.56	2.31	20	1
6:A:208:17F:C21	6:B:208:17F:H19	0.56	2.27	20	1
5:A:216:7Q9:C14	5:A:216:7Q9:O12	0.55	2.53	19	20
5:D:502:7Q9:C14	5:D:502:7Q9:O12	0.55	2.54	11	20
5:E:826:7Q9:C14	5:E:826:7Q9:O12	0.55	2.54	18	20
5:E:848:7Q9:C14	5:E:848:7Q9:O12	0.55	2.54	3	20
6:E:871:17F:H30	6:E:871:17F:H56	0.55	1.79	10	8
6:E:857:17F:C38	6:E:875:17F:H60	0.55	2.31	2	3
6:A:208:17F:C40	6:B:208:17F:H69	0.55	2.31	4	1
5:A:215:7Q9:C313	6:D:517:17F:H73	0.55	2.31	5	1
6:D:511:17F:H29	6:D:534:17F:H53	0.55	1.77	6	1
6:A:208:17F:N1	6:A:219:17F:H1	0.55	2.17	15	3
6:A:208:17F:H31	6:A:219:17F:H12	0.55	1.77	14	3
5:A:215:7Q9:C14	6:D:511:17F:H6	0.55	2.31	10	1
5:E:811:7Q9:C3	5:E:822:7Q9:C23	0.55	2.84	10	1
5:E:803:7Q9:C22	6:E:806:17F:H33	0.55	2.31	12	1
5:E:833:7Q9:C312	5:E:852:7Q9:C34	0.55	2.84	19	1
5:E:858:7Q9:O31	6:E:875:17F:H9	0.55	2.01	20	1
5:D:512:7Q9:O11	5:D:512:7Q9:O22	0.55	2.23	7	13
5:D:542:7Q9:O12	5:D:542:7Q9:C13	0.55	2.54	14	19
5:E:852:7Q9:C13	5:E:852:7Q9:O12	0.55	2.53	16	20
5:A:212:7Q9:P	5:A:212:7Q9:O21	0.55	2.65	10	9
6:D:510:17F:O9	6:D:517:17F:C11	0.55	2.54	4	2
5:D:506:7Q9:C32	6:D:517:17F:C20	0.55	2.84	8	2
5:A:211:7Q9:O12	5:A:211:7Q9:C3	0.55	2.54	7	1
6:D:520:17F:C17	6:D:520:17F:O8	0.55	2.54	14	6
6:E:819:17F:H10	6:E:820:17F:H10	0.55	1.77	7	1
5:D:507:7Q9:C12	5:D:527:7Q9:O22	0.55	2.54	16	3
5:E:814:7Q9:C35	6:E:820:17F:H12	0.55	2.30	17	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:E:806:17F:H4	5:E:811:7Q9:C14	0.55	2.31	13	1
6:E:839:17F:H8A	6:E:857:17F:C24	0.55	2.31	15	1
5:D:526:7Q9:C315	5:D:544:7Q9:C314	0.55	2.85	1	4
5:E:803:7Q9:C32	6:E:810:17F:H9A	0.55	2.31	12	3
5:E:804:7Q9:C13	5:E:804:7Q9:O12	0.55	2.54	3	20
5:E:827:7Q9:C2	5:E:827:7Q9:O32	0.55	2.53	20	14
5:E:853:7Q9:C15	5:E:853:7Q9:O12	0.55	2.54	14	19
5:E:863:7Q9:O12	5:E:863:7Q9:C13	0.55	2.54	14	19
5:E:864:7Q9:C15	5:E:864:7Q9:O12	0.55	2.55	17	19
5:A:215:7Q9:C36	6:D:511:17F:H72	0.55	2.32	9	2
6:D:510:17F:C8	6:D:517:17F:H11A	0.55	2.31	2	1
1:A:13:GLY:CA	3:A:201:GSP:H5'1	0.55	2.29	4	3
5:D:502:7Q9:C34	5:D:525:7Q9:C23	0.55	2.84	4	1
1:A:58:THR:HG21	1:A:71:TYR:CE1	0.55	2.36	10	3
6:A:213:17F:H29	5:D:503:7Q9:C37	0.55	2.32	12	1
5:D:523:7Q9:C314	6:D:552:17F:H55	0.55	2.32	12	1
5:D:523:7Q9:O32	6:D:552:17F:H39	0.55	2.02	19	1
5:D:503:7Q9:C13	5:D:503:7Q9:O12	0.55	2.55	18	19
6:D:510:17F:N1	6:D:510:17F:P1	0.55	2.80	18	9
5:D:542:7Q9:O31	5:D:542:7Q9:O22	0.55	2.24	3	19
5:D:547:7Q9:C13	5:D:547:7Q9:O12	0.55	2.55	5	20
5:E:811:7Q9:C12	5:E:817:7Q9:C32	0.55	2.85	10	4
5:D:524:7Q9:O22	5:D:524:7Q9:C3	0.55	2.52	6	3
6:D:552:17F:O10	6:D:552:17F:H6A	0.55	2.01	2	9
6:E:802:17F:H32	5:E:807:7Q9:C38	0.55	2.30	2	1
6:D:540:17F:C33	6:D:540:17F:C2X	0.55	2.84	17	6
1:B:117:LYS:HG2	3:B:201:GSP:C6	0.55	2.36	19	2
6:E:842:17F:H38	5:E:877:7Q9:C34	0.55	2.31	7	3
6:A:219:17F:H74	6:A:219:17F:H48	0.55	1.75	6	1
1:B:17:SER:HB2	3:B:201:GSP:O2A	0.55	2.01	7	1
5:D:506:7Q9:C31	6:D:517:17F:H18A	0.55	2.31	11	1
6:E:810:17F:H48	6:E:810:17F:C34	0.55	2.32	16	1
6:D:533:17F:H53	6:E:839:17F:H75	0.55	1.79	17	1
1:A:68:ARG:HA	1:A:71:TYR:CE2	0.55	2.37	4	5
5:D:506:7Q9:C13	5:D:506:7Q9:O12	0.55	2.55	1	20
5:D:522:7Q9:C15	5:D:522:7Q9:O12	0.55	2.55	4	20
5:E:877:7Q9:C14	5:E:877:7Q9:O12	0.55	2.54	14	20
2:D:419:LEU:HB3	2:D:420:PRO:HD3	0.55	1.79	7	4
6:A:208:17F:H4	6:A:208:17F:C1	0.55	2.21	5	1
5:D:513:7Q9:C37	5:D:532:7Q9:C39	0.55	2.85	10	3
5:E:803:7Q9:C314	6:E:810:17F:H72	0.55	2.31	13	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:A:219:17F:H75	6:A:219:17F:H42	0.55	1.79	12	1
5:E:821:7Q9:O31	6:E:839:17F:H6	0.55	2.02	13	1
5:A:209:7Q9:C13	5:A:209:7Q9:C32	0.55	2.84	14	1
5:E:804:7Q9:O21	6:E:808:17F:H8A	0.55	2.02	14	1
1:B:146:ALA:HB3	3:B:201:GSP:N7	0.55	2.16	16	1
6:D:534:17F:H69	6:D:534:17F:C22	0.55	2.30	20	2
6:A:213:17F:H61	6:A:213:17F:C24	0.55	2.26	17	1
5:D:523:7Q9:C14	5:D:523:7Q9:O12	0.55	2.54	14	20
5:D:541:7Q9:O22	5:D:541:7Q9:C3	0.55	2.50	16	10
5:E:826:7Q9:O32	5:E:826:7Q9:O21	0.55	2.25	18	14
6:E:856:17F:H37	5:E:858:7Q9:C317	0.55	2.32	1	2
5:E:859:7Q9:C15	5:E:859:7Q9:O12	0.55	2.54	13	20
5:E:872:7Q9:O32	5:E:872:7Q9:O21	0.55	2.25	5	19
5:E:803:7Q9:O22	5:E:803:7Q9:O11	0.55	2.24	17	14
5:E:814:7Q9:O22	5:E:814:7Q9:C1	0.55	2.49	5	9
5:E:850:7Q9:O32	5:E:850:7Q9:O21	0.55	2.23	11	12
6:A:220:17F:H54	6:A:220:17F:H61	0.55	1.78	5	2
5:E:825:7Q9:C32	6:E:842:17F:H18A	0.55	2.31	20	2
5:D:527:7Q9:O31	5:D:531:7Q9:O31	0.55	2.25	7	8
6:E:873:17F:C20	6:E:873:17F:C2X	0.55	2.82	7	2
5:E:804:7Q9:O31	5:E:804:7Q9:O22	0.55	2.24	17	7
2:E:734:GLU:HG2	2:E:738:LYS:HE3	0.55	1.78	11	1
6:E:808:17F:H56	6:E:820:17F:C12	0.55	2.18	14	1
6:A:213:17F:H60	6:A:213:17F:H42	0.55	1.74	20	1
6:A:213:17F:H47	5:D:507:7Q9:C35	0.55	2.32	20	1
5:D:551:7Q9:O12	5:D:551:7Q9:C15	0.55	2.55	2	20
5:E:823:7Q9:O22	5:E:823:7Q9:O31	0.55	2.24	9	18
5:B:209:7Q9:C2	5:B:209:7Q9:O32	0.55	2.53	8	8
6:A:220:17F:H12A	5:D:502:7Q9:C38	0.55	2.32	5	1
5:E:803:7Q9:C315	6:E:810:17F:H70	0.55	2.32	7	3
6:D:520:17F:H10	6:D:520:17F:O8	0.55	2.01	17	5
5:D:523:7Q9:C32	6:D:552:17F:C2X	0.55	2.84	7	1
6:A:208:17F:H35	6:A:208:17F:C35	0.55	2.32	18	3
6:E:839:17F:H40	6:E:839:17F:H34	0.55	1.79	8	1
6:E:839:17F:H35	6:E:839:17F:H57	0.55	1.79	8	2
6:A:208:17F:H41	6:A:219:17F:H37	0.55	1.77	12	1
6:B:208:17F:H12	5:B:209:7Q9:C318	0.55	2.32	13	1
6:D:539:17F:H52	5:E:801:7Q9:C315	0.55	2.32	15	1
5:D:501:7Q9:O22	5:D:501:7Q9:O11	0.55	2.24	13	2
5:D:538:7Q9:C15	5:D:538:7Q9:O12	0.55	2.55	17	19
6:E:806:17F:H73	5:E:817:7Q9:C316	0.55	2.31	1	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:849:7Q9:C313	5:E:852:7Q9:C311	0.55	2.85	14	9
5:E:851:7Q9:C15	5:E:851:7Q9:O12	0.55	2.54	3	20
5:A:204:7Q9:C32	5:A:211:7Q9:C37	0.55	2.85	11	4
6:D:511:17F:H69	6:D:511:17F:H58	0.55	1.78	12	4
6:E:819:17F:H12A	6:E:820:17F:H30	0.55	1.75	3	3
5:D:549:7Q9:O14	5:D:549:7Q9:O21	0.55	2.24	6	5
6:E:839:17F:H35	6:E:839:17F:C31	0.55	2.31	10	3
1:A:15:GLY:CA	3:A:201:GSP:H8	0.55	2.15	17	2
6:E:839:17F:H10	6:E:857:17F:H35	0.55	1.77	5	1
6:E:856:17F:H18	5:E:868:7Q9:C11	0.55	2.32	5	2
6:E:818:17F:C1X	5:E:834:7Q9:C33	0.55	2.84	7	2
6:D:519:17F:C1Z	6:D:519:17F:C35	0.55	2.85	10	1
6:E:857:17F:H77	6:E:875:17F:H61	0.55	1.78	14	2
6:A:213:17F:H76	6:E:819:17F:H77	0.55	1.79	12	1
6:A:219:17F:H57	5:D:508:7Q9:C317	0.55	2.32	12	1
5:A:209:7Q9:O32	5:A:209:7Q9:O21	0.55	2.24	15	10
5:B:206:7Q9:C15	5:B:206:7Q9:O12	0.55	2.55	11	20
5:E:814:7Q9:O32	5:E:814:7Q9:O21	0.55	2.25	1	10
5:E:817:7Q9:C3	5:E:817:7Q9:O13	0.55	2.55	8	11
5:E:823:7Q9:O12	5:E:823:7Q9:C14	0.55	2.54	1	20
5:E:854:7Q9:C13	5:E:854:7Q9:O12	0.55	2.55	7	20
5:E:855:7Q9:C21	5:E:855:7Q9:O32	0.55	2.55	5	17
6:A:208:17F:C32	6:A:208:17F:C36	0.55	2.84	3	1
5:D:553:7Q9:O22	5:D:553:7Q9:O11	0.55	2.24	20	3
5:A:209:7Q9:C1	5:A:209:7Q9:O22	0.55	2.53	13	11
6:A:208:17F:N1	6:A:219:17F:O2	0.55	2.40	6	2
3:B:201:GSP:S1G	3:B:201:GSP:O1B	0.55	2.65	5	5
2:D:388:ARG:HB3	2:E:575:LEU:HD21	0.55	1.79	5	1
6:A:220:17F:H66	6:A:220:17F:C24	0.55	2.24	6	1
5:D:506:7Q9:C11	5:D:506:7Q9:C3	0.55	2.85	7	1
5:A:215:7Q9:C37	6:D:511:17F:H54	0.55	2.32	8	1
5:D:512:7Q9:C15	6:D:534:17F:H1	0.55	2.31	19	3
1:B:131:GLN:HG2	1:B:141:PHE:CD2	0.55	2.36	9	1
6:E:820:17F:H41	5:E:836:7Q9:C38	0.55	2.32	12	1
5:D:507:7Q9:O31	5:D:509:7Q9:C23	0.55	2.55	14	1
6:E:802:17F:H12	6:E:802:17F:C20	0.55	2.31	18	1
6:E:839:17F:H10A	6:E:857:17F:C22	0.55	2.32	18	1
2:D:340:LYS:HD2	2:E:626:LEU:HD21	0.55	1.78	20	1
2:D:370:LEU:HD21	5:E:877:7Q9:C316	0.55	2.31	1	1
5:D:504:7Q9:O12	5:D:504:7Q9:C13	0.55	2.55	6	20
5:E:831:7Q9:O32	5:E:831:7Q9:O21	0.55	2.25	18	14

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:841:7Q9:C1	5:E:841:7Q9:C31	0.55	2.85	18	20
6:A:219:17F:C7	6:A:219:17F:O9	0.55	2.55	2	2
6:D:510:17F:H76	6:D:517:17F:C41	0.55	2.32	2	1
5:B:210:7Q9:C317	6:D:520:17F:H76	0.55	2.31	3	1
5:E:865:7Q9:C21	5:E:865:7Q9:O13	0.55	2.55	10	11
5:E:804:7Q9:O22	5:E:804:7Q9:C35	0.55	2.55	5	7
5:E:804:7Q9:C1	5:E:814:7Q9:C14	0.55	2.85	10	3
6:A:208:17F:H40	6:A:208:17F:H34	0.55	1.78	12	1
6:D:540:17F:HN1	5:D:545:7Q9:C32	0.55	2.15	19	2
2:D:408:LYS:HB3	2:D:409:PRO:HD3	0.55	1.79	13	2
5:A:206:7Q9:C311	6:E:802:17F:H70	0.55	2.32	18	1
5:B:207:7Q9:O22	5:B:207:7Q9:C3	0.54	2.50	1	11
5:E:801:7Q9:O12	5:E:801:7Q9:C13	0.54	2.55	1	20
5:E:863:7Q9:O22	5:E:863:7Q9:C1	0.54	2.54	16	4
5:A:207:7Q9:O22	5:B:203:7Q9:C12	0.54	2.55	11	4
6:D:552:17F:H62	6:D:552:17F:C31	0.54	2.26	15	12
6:E:808:17F:O4	5:E:814:7Q9:C14	0.54	2.56	19	7
5:E:821:7Q9:O12	5:E:821:7Q9:C14	0.54	2.54	11	18
6:E:871:17F:H10A	5:E:872:7Q9:O14	0.54	2.02	2	1
6:D:540:17F:C32	6:D:540:17F:C36	0.54	2.78	20	9
6:E:819:17F:O5	5:E:825:7Q9:C15	0.54	2.55	6	3
6:A:219:17F:H52	5:E:828:7Q9:C317	0.54	2.31	6	1
6:A:213:17F:C11	6:A:213:17F:C34	0.54	2.86	7	1
6:E:829:17F:H36	6:E:829:17F:C32	0.54	2.32	8	2
6:E:806:17F:C30	6:E:806:17F:H68	0.54	2.31	19	3
2:E:740:LEU:HD21	5:E:870:7Q9:C318	0.54	2.32	12	1
5:E:854:7Q9:O14	5:E:854:7Q9:C13	0.54	2.55	15	2
5:E:803:7Q9:C312	6:E:806:17F:H64	0.54	2.32	13	2
5:B:209:7Q9:C36	6:D:520:17F:H61	0.54	2.31	16	1
5:E:869:7Q9:O32	5:E:869:7Q9:C21	0.54	2.54	18	1
5:E:803:7Q9:C2	5:E:803:7Q9:O32	0.54	2.53	11	10
5:E:841:7Q9:C11	5:E:850:7Q9:C22	0.54	2.86	18	4
6:E:873:17F:H44	6:E:873:17F:C32	0.54	2.33	12	5
5:A:212:7Q9:C311	5:A:212:7Q9:C37	0.54	2.83	7	2
6:D:534:17F:O2	6:D:534:17F:O9	0.54	2.24	2	8
5:E:853:7Q9:C23	5:E:878:7Q9:C22	0.54	2.85	3	4
5:D:504:7Q9:C37	5:D:508:7Q9:C313	0.54	2.85	5	2
5:E:845:7Q9:O22	5:E:845:7Q9:C3	0.54	2.52	19	11
5:E:840:7Q9:O32	5:E:840:7Q9:C21	0.54	2.55	5	2
6:B:208:17F:O10	6:B:208:17F:H20A	0.54	2.02	6	1
2:D:322:LEU:HD22	2:E:644:LEU:HD22	0.54	1.79	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:D:524:7Q9:C13	6:D:539:17F:O5	0.54	2.55	18	2
6:E:819:17F:H20	5:E:838:7Q9:C12	0.54	2.32	12	2
1:A:12:ASP:HA	3:A:201:GSP:O1B	0.54	2.03	13	2
6:E:857:17F:H37	6:E:857:17F:H68	0.54	1.80	14	1
6:B:208:17F:H12	5:B:209:7Q9:C310	0.54	2.32	18	1
6:E:842:17F:H4A	6:E:842:17F:C3	0.54	2.32	20	1
6:A:208:17F:O9	6:A:208:17F:C7	0.54	2.55	19	15
6:A:213:17F:O1	6:A:213:17F:O9	0.54	2.26	20	8
5:B:205:7Q9:O32	6:B:208:17F:H1	0.54	2.02	1	1
5:D:527:7Q9:C314	5:D:531:7Q9:C316	0.54	2.86	18	3
5:D:546:7Q9:O22	5:D:546:7Q9:O31	0.54	2.25	16	17
5:E:816:7Q9:O22	5:E:816:7Q9:C1	0.54	2.49	5	16
5:E:853:7Q9:C312	5:E:853:7Q9:C38	0.54	2.81	1	7
6:D:510:17F:C25	6:D:517:17F:H64	0.54	2.33	2	6
5:E:834:7Q9:O13	5:E:834:7Q9:C2	0.54	2.55	20	8
2:D:374:LEU:HD23	5:D:535:7Q9:C39	0.54	2.32	4	5
5:D:515:7Q9:C311	5:D:515:7Q9:C37	0.54	2.85	8	2
5:E:835:7Q9:C317	6:E:856:17F:H67	0.54	2.32	3	2
5:E:835:7Q9:O32	5:E:835:7Q9:O21	0.54	2.26	19	11
6:D:533:17F:H49	6:E:857:17F:C42	0.54	2.33	7	2
6:D:539:17F:C35	6:D:539:17F:H38	0.54	2.33	6	3
6:A:208:17F:O7	6:A:208:17F:P1	0.54	2.65	10	1
6:A:219:17F:O8	6:A:219:17F:C17	0.54	2.56	13	1
5:A:203:7Q9:C15	5:B:203:7Q9:O32	0.54	2.55	16	1
6:A:219:17F:H57	5:E:801:7Q9:C36	0.54	2.32	17	1
5:A:205:7Q9:C33	5:A:212:7Q9:C32	0.54	2.85	20	1
5:E:854:7Q9:C311	5:E:854:7Q9:C37	0.54	2.82	9	16
6:E:857:17F:C7	6:E:857:17F:C4	0.54	2.84	4	2
5:B:206:7Q9:O21	5:B:206:7Q9:C11	0.54	2.55	15	2
5:E:826:7Q9:C33	5:E:845:7Q9:C38	0.54	2.85	4	2
6:A:219:17F:O9	6:D:518:17F:H11A	0.54	2.01	6	1
5:E:849:7Q9:C317	5:E:852:7Q9:C316	0.54	2.85	14	4
5:D:512:7Q9:O13	6:D:534:17F:C4	0.54	2.56	8	2
5:D:507:7Q9:C32	5:D:509:7Q9:C23	0.54	2.85	9	1
6:E:819:17F:H58	6:E:842:17F:H53	0.54	1.80	12	1
5:D:524:7Q9:C15	6:D:539:17F:H1A	0.54	2.32	15	1
6:E:802:17F:O8	6:E:802:17F:H10	0.54	2.02	14	6
5:E:852:7Q9:O22	5:E:852:7Q9:C3	0.54	2.51	12	6
2:E:674:LEU:HD21	6:E:856:17F:H12	0.54	1.78	4	6
6:E:806:17F:H20	5:E:811:7Q9:C22	0.54	2.33	3	1
6:B:208:17F:H12A	5:B:209:7Q9:C39	0.54	2.32	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:814:7Q9:C33	5:E:830:7Q9:C22	0.54	2.85	5	2
6:D:540:17F:C2X	6:D:540:17F:C33	0.54	2.86	7	6
6:D:533:17F:H77	6:D:533:17F:C26	0.54	2.33	8	1
6:A:219:17F:C26	5:D:505:7Q9:C37	0.54	2.85	10	1
5:E:822:7Q9:O21	5:E:822:7Q9:O12	0.54	2.26	10	1
5:A:215:7Q9:C15	5:A:216:7Q9:O13	0.54	2.56	18	1
6:D:520:17F:C27	6:D:520:17F:H70	0.54	2.33	19	1
1:A:126:ASP:O	1:A:129:GLN:HG2	0.54	2.03	3	3
6:A:213:17F:O1	6:A:213:17F:C19	0.54	2.55	18	4
6:A:219:17F:O10	6:D:518:17F:H9	0.54	2.03	2	1
5:D:523:7Q9:C3	5:D:523:7Q9:O22	0.54	2.50	19	4
6:E:808:17F:C28	6:E:808:17F:H74	0.54	2.33	7	2
5:E:809:7Q9:C38	6:E:812:17F:H37	0.54	2.32	2	2
5:E:822:7Q9:O31	5:E:822:7Q9:O22	0.54	2.26	10	6
5:A:215:7Q9:C313	5:A:216:7Q9:C316	0.54	2.86	7	2
5:D:555:7Q9:C35	6:E:857:17F:H54	0.54	2.33	4	1
6:E:810:17F:C31	6:E:810:17F:H29	0.54	2.32	5	1
2:D:430:LEU:CD2	6:D:539:17F:H33	0.54	2.32	7	2
5:B:205:7Q9:C315	6:B:208:17F:H44	0.54	2.32	8	2
6:D:540:17F:C36	6:D:540:17F:C32	0.54	2.80	13	2
6:A:220:17F:H67	6:A:220:17F:H48	0.54	1.79	19	2
5:A:206:7Q9:C15	5:A:211:7Q9:C22	0.54	2.85	11	4
2:D:437:THR:HG23	5:D:543:7Q9:O31	0.54	2.02	12	1
5:E:821:7Q9:C21	5:E:821:7Q9:O14	0.54	2.55	13	1
6:A:213:17F:H74	6:E:810:17F:C30	0.54	2.32	17	1
6:D:539:17F:H47	5:D:549:7Q9:C23	0.54	2.33	18	1
6:D:511:17F:H1A	5:D:513:7Q9:C15	0.54	2.33	20	1
6:E:806:17F:O1	6:E:806:17F:C6	0.54	2.55	20	1
5:A:204:7Q9:O32	5:A:204:7Q9:O21	0.54	2.26	19	16
1:B:147:LYS:HB2	3:B:201:GSP:N1	0.54	2.18	12	2
5:B:210:7Q9:C316	5:D:501:7Q9:C312	0.54	2.85	15	6
5:E:835:7Q9:O12	5:E:835:7Q9:C15	0.54	2.56	9	20
6:D:520:17F:H64	6:D:520:17F:H59	0.54	1.80	5	2
1:A:79:LEU:HD13	1:A:159:LEU:HD22	0.54	1.80	13	3
6:D:540:17F:C34	6:D:540:17F:H35	0.54	2.32	6	3
2:D:273:ASP:CB	6:D:540:17F:H34	0.54	2.20	10	1
6:D:539:17F:H62	6:D:539:17F:C22	0.54	2.33	16	1
1:B:84:ILE:HD13	1:B:118:CYS:HA	0.54	1.78	6	6
5:D:503:7Q9:C31	5:D:503:7Q9:O22	0.54	2.56	18	5
6:E:818:17F:O10	5:E:821:7Q9:C14	0.54	2.56	1	2
5:E:841:7Q9:C13	5:E:841:7Q9:O12	0.54	2.56	9	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:847:7Q9:P	5:E:847:7Q9:C14	0.54	2.96	10	3
5:B:206:7Q9:C21	5:B:206:7Q9:O32	0.54	2.56	6	13
6:E:808:17F:C42	6:E:808:17F:H47	0.54	2.32	10	9
6:E:820:17F:C4	6:E:820:17F:C7	0.54	2.85	14	5
6:A:213:17F:H51	5:D:507:7Q9:C318	0.54	2.33	3	2
6:E:839:17F:H43	5:E:858:7Q9:C310	0.54	2.32	18	3
5:E:849:7Q9:C13	5:E:853:7Q9:O14	0.54	2.54	3	2
6:A:219:17F:O10	6:A:219:17F:C6	0.54	2.49	4	2
6:E:808:17F:H57	6:E:820:17F:H29	0.54	1.80	4	1
5:D:502:7Q9:O32	5:D:525:7Q9:C15	0.54	2.55	15	3
6:D:517:17F:H19	6:D:517:17F:H1A	0.54	1.80	10	1
6:D:520:17F:H76	5:E:823:7Q9:C39	0.54	2.33	13	1
6:D:510:17F:C5	6:D:517:17F:H9	0.54	2.32	15	1
6:A:219:17F:O8	6:A:219:17F:H19	0.54	2.03	16	1
2:D:333:LYS:HE3	5:D:538:7Q9:C313	0.54	2.33	17	1
5:E:825:7Q9:O22	5:E:825:7Q9:C3	0.54	2.52	17	15
5:E:825:7Q9:C2	5:E:825:7Q9:O13	0.54	2.56	13	17
2:E:733:LEU:HD12	5:E:876:7Q9:C311	0.54	2.33	7	4
5:D:528:7Q9:C3	5:D:528:7Q9:O22	0.54	2.54	15	6
5:E:811:7Q9:O31	5:E:826:7Q9:C37	0.54	2.56	4	1
1:A:15:GLY:HA3	3:A:201:GSP:C8	0.54	2.38	9	4
6:D:518:17F:O10	5:D:528:7Q9:C2	0.54	2.56	20	6
5:E:821:7Q9:C1	5:E:821:7Q9:O22	0.54	2.50	11	3
6:E:808:17F:O2	5:E:814:7Q9:C14	0.54	2.56	16	5
5:D:516:7Q9:O22	5:D:537:7Q9:C15	0.54	2.55	8	2
6:D:540:17F:H35	6:D:540:17F:C36	0.54	2.26	10	1
5:E:838:7Q9:C32	6:E:842:17F:H50	0.54	2.33	12	1
6:E:873:17F:H39	6:E:873:17F:C20	0.54	2.33	17	2
5:D:515:7Q9:C32	6:D:519:17F:H19	0.54	2.33	20	1
5:A:207:7Q9:C13	5:A:207:7Q9:O12	0.54	2.55	12	20
5:D:544:7Q9:O21	5:D:544:7Q9:O32	0.54	2.26	10	13
5:E:828:7Q9:C1	5:E:828:7Q9:O22	0.54	2.52	14	10
6:E:839:17F:C19	6:E:839:17F:C31	0.54	2.84	2	8
5:D:542:7Q9:C21	5:D:542:7Q9:O31	0.54	2.56	16	4
6:A:213:17F:O8	5:D:503:7Q9:C15	0.54	2.56	3	1
1:B:64:TYR:O	1:B:68:ARG:HB2	0.54	2.02	4	1
5:D:516:7Q9:C34	5:D:516:7Q9:O31	0.54	2.55	14	8
1:A:6:LEU:HD22	1:A:159:LEU:HG	0.54	1.78	13	2
6:D:511:17F:H55	6:E:829:17F:H52	0.54	1.79	8	1
6:E:839:17F:H51	5:E:858:7Q9:C315	0.54	2.33	9	1
3:B:201:GSP:H5'1	3:B:201:GSP:O1B	0.54	2.03	11	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:A:210:7Q9:C12	5:A:210:7Q9:C34	0.54	2.86	12	1
5:A:216:7Q9:C34	6:D:517:17F:C1Y	0.54	2.86	12	1
6:E:839:17F:O8	6:E:857:17F:H35	0.54	2.03	12	1
5:D:506:7Q9:C3	5:D:506:7Q9:O13	0.54	2.56	17	1
6:D:533:17F:H20A	6:D:533:17F:O1	0.54	2.02	17	1
5:D:538:7Q9:C31	5:D:538:7Q9:O11	0.54	2.56	17	1
5:D:531:7Q9:C312	5:D:531:7Q9:C38	0.54	2.86	18	1
5:D:506:7Q9:C316	6:E:818:17F:H45	0.54	2.32	20	1
5:D:505:7Q9:O22	5:D:505:7Q9:O11	0.53	2.26	6	8
5:D:515:7Q9:O32	5:D:515:7Q9:C2	0.53	2.53	7	8
5:D:529:7Q9:O12	5:D:529:7Q9:C14	0.53	2.56	2	20
5:E:815:7Q9:O32	5:E:815:7Q9:O21	0.53	2.26	10	17
1:A:8:VAL:HG12	1:A:16:LYS:HD2	0.53	1.80	5	4
5:D:525:7Q9:C37	5:D:547:7Q9:C37	0.53	2.86	4	1
5:E:804:7Q9:C13	5:E:815:7Q9:O22	0.53	2.56	6	1
6:D:539:17F:C40	5:D:549:7Q9:O32	0.53	2.56	9	1
2:D:337:LEU:HG	2:E:626:LEU:HB3	0.53	1.80	12	1
6:D:510:17F:C1X	6:D:510:17F:C23	0.53	2.82	12	1
6:D:534:17F:H9A	5:D:538:7Q9:C37	0.53	2.32	17	1
5:E:804:7Q9:C31	6:E:808:17F:C8	0.53	2.83	17	1
6:E:819:17F:H12A	6:E:820:17F:C21	0.53	2.33	17	2
5:A:203:7Q9:C37	6:A:208:17F:H61	0.53	2.33	19	1
5:B:209:7Q9:C14	5:B:209:7Q9:O12	0.53	2.56	1	1
5:B:210:7Q9:C317	5:E:823:7Q9:C38	0.53	2.87	15	10
5:E:807:7Q9:C15	5:E:807:7Q9:C21	0.53	2.86	8	6
5:E:861:7Q9:O21	5:E:861:7Q9:O32	0.53	2.25	19	20
6:E:875:17F:P1	6:E:875:17F:C6	0.53	2.96	20	16
5:A:211:7Q9:C1	5:A:211:7Q9:O22	0.53	2.50	3	8
6:B:208:17F:C4	6:B:208:17F:C7	0.53	2.87	8	15
5:D:512:7Q9:O32	5:D:512:7Q9:O21	0.53	2.26	4	14
5:A:209:7Q9:C13	5:A:209:7Q9:O31	0.53	2.56	6	6
6:D:518:17F:O6	6:D:518:17F:C2	0.53	2.55	4	2
2:D:440:LEU:HD22	6:D:552:17F:H78	0.53	1.81	7	1
6:E:808:17F:H30	6:E:808:17F:H33	0.53	1.80	8	1
6:B:208:17F:H42	6:B:208:17F:C1X	0.53	2.33	9	1
5:E:814:7Q9:C313	6:E:820:17F:H49	0.53	2.33	9	1
6:E:829:17F:H34	5:E:830:7Q9:O32	0.53	2.03	18	2
5:D:502:7Q9:C312	5:D:502:7Q9:C38	0.53	2.85	12	3
6:E:839:17F:O8	6:E:839:17F:H5	0.53	2.03	12	1
5:D:502:7Q9:O22	5:D:514:7Q9:C13	0.53	2.56	18	1
6:E:871:17F:C21	6:E:871:17F:C32	0.53	2.86	12	9

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:A:208:17F:H57	6:A:208:17F:C26	0.53	2.33	2	2
1:B:79:LEU:HD13	1:B:159:LEU:HD22	0.53	1.79	2	2
6:D:518:17F:H60	6:D:518:17F:H39	0.53	1.80	3	1
5:E:858:7Q9:C31	6:E:875:17F:H10A	0.53	2.33	17	2
5:E:855:7Q9:O11	5:E:855:7Q9:C14	0.53	2.56	20	4
5:E:809:7Q9:C33	6:E:812:17F:H37	0.53	2.32	6	1
5:E:804:7Q9:O22	5:E:804:7Q9:C31	0.53	2.56	19	4
6:A:220:17F:H64	6:A:220:17F:C12	0.53	2.30	8	1
6:D:539:17F:C18	6:D:539:17F:C31	0.53	2.56	8	1
6:E:808:17F:H72	6:E:819:17F:H54	0.53	1.80	8	1
5:D:529:7Q9:C13	5:D:553:7Q9:O13	0.53	2.56	9	1
5:E:853:7Q9:C15	5:E:853:7Q9:O11	0.53	2.56	13	1
6:E:820:17F:H76	5:E:830:7Q9:C23	0.53	2.33	14	1
6:E:871:17F:H75	6:E:871:17F:H48	0.53	1.81	17	1
6:E:806:17F:C40	5:E:817:7Q9:C318	0.53	2.85	20	2
2:D:429:PHE:CD1	6:D:539:17F:H69	0.53	2.38	19	3
5:E:825:7Q9:C1	5:E:825:7Q9:C31	0.53	2.86	7	15
5:E:876:7Q9:C3	5:E:876:7Q9:O22	0.53	2.52	8	4
6:E:820:17F:H19A	5:E:853:7Q9:C33	0.53	2.33	8	2
6:A:213:17F:C12	6:A:213:17F:C8	0.53	2.86	19	2
1:A:15:GLY:HA2	3:A:201:GSP:H8	0.53	1.62	14	5
6:D:510:17F:H5	6:D:533:17F:H18	0.53	1.80	6	2
5:E:840:7Q9:O32	5:E:841:7Q9:C22	0.53	2.56	7	2
5:A:207:7Q9:C36	5:B:207:7Q9:C34	0.53	2.87	10	1
6:E:808:17F:C22	6:E:810:17F:H32	0.53	2.34	13	3
5:E:843:7Q9:O22	5:E:843:7Q9:O31	0.53	2.27	17	4
6:D:518:17F:H20A	6:D:518:17F:C2X	0.53	2.33	17	5
5:E:853:7Q9:C3	5:E:853:7Q9:C11	0.53	2.87	20	3
6:D:533:17F:O2	5:D:541:7Q9:C15	0.53	2.56	3	1
5:A:205:7Q9:C13	5:A:210:7Q9:O32	0.53	2.56	4	3
5:D:543:7Q9:C1	5:D:543:7Q9:O22	0.53	2.54	17	6
6:A:219:17F:H71	5:D:505:7Q9:C38	0.53	2.33	20	3
5:E:840:7Q9:C34	5:E:841:7Q9:C22	0.53	2.86	11	2
6:A:213:17F:H51	6:A:213:17F:C38	0.53	2.33	16	1
5:D:515:7Q9:O13	5:D:525:7Q9:C13	0.53	2.57	1	1
2:E:605:GLN:HB2	5:E:867:7Q9:C313	0.53	2.34	1	1
5:E:836:7Q9:O32	5:E:836:7Q9:O21	0.53	2.27	20	13
6:E:839:17F:O2	6:E:839:17F:H5	0.53	2.04	11	4
1:A:161:ARG:NH1	1:B:131:GLN:HB3	0.53	2.18	2	1
6:D:534:17F:H6	5:D:538:7Q9:C14	0.53	2.33	2	1
6:E:856:17F:O9	6:E:856:17F:O8	0.53	2.27	3	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:A:208:17F:C24	6:A:219:17F:H12A	0.53	2.34	4	2
6:B:208:17F:H35	6:B:208:17F:C24	0.53	2.29	17	3
5:D:514:7Q9:C35	5:D:516:7Q9:C39	0.53	2.86	20	3
5:D:526:7Q9:C313	5:D:544:7Q9:C313	0.53	2.86	4	2
6:E:871:17F:H32	6:E:871:17F:H12	0.53	1.81	7	3
5:B:203:7Q9:C314	5:E:803:7Q9:C318	0.53	2.86	7	1
5:E:833:7Q9:O22	6:E:839:17F:H4A	0.53	2.02	8	1
5:A:217:7Q9:O11	5:A:217:7Q9:C13	0.53	2.56	10	1
6:D:517:17F:H70	6:D:517:17F:C30	0.53	2.33	12	1
6:E:819:17F:C33	6:E:842:17F:H53	0.53	2.33	12	2
5:E:832:7Q9:C21	5:E:832:7Q9:O32	0.53	2.57	16	4
5:E:803:7Q9:C313	6:E:806:17F:H64	0.53	2.33	13	1
5:A:216:7Q9:O22	5:A:216:7Q9:C1	0.53	2.55	9	7
1:B:84:ILE:CD1	1:B:118:CYS:HA	0.53	2.33	17	6
5:E:809:7Q9:C14	6:E:818:17F:O1	0.53	2.55	1	2
5:E:817:7Q9:C15	5:E:817:7Q9:O12	0.53	2.57	2	4
6:A:219:17F:O4	5:D:504:7Q9:C15	0.53	2.57	19	3
5:D:508:7Q9:O22	5:D:508:7Q9:C3	0.53	2.52	17	9
6:D:510:17F:P1	6:D:510:17F:N1	0.53	2.82	14	10
5:D:554:7Q9:O12	5:D:554:7Q9:O22	0.53	2.27	13	7
6:E:820:17F:H4A	6:E:820:17F:O8	0.53	2.02	3	4
2:D:342:SER:HB3	2:D:343:PRO:HD3	0.53	1.78	4	1
6:D:510:17F:C17	6:D:517:17F:H10	0.53	2.33	4	2
6:D:533:17F:O10	6:D:533:17F:H4	0.53	2.03	17	4
5:D:516:7Q9:O22	5:D:548:7Q9:C15	0.53	2.57	5	3
6:D:517:17F:H74	6:D:533:17F:C30	0.53	2.34	5	2
5:E:838:7Q9:O21	5:E:838:7Q9:C15	0.53	2.57	5	2
1:B:46:ILE:HG23	1:B:157:TYR:CD1	0.53	2.38	7	1
6:D:511:17F:H42	6:D:534:17F:C29	0.53	2.26	13	1
6:A:213:17F:HN1A	5:D:507:7Q9:C23	0.53	2.17	1	1
6:D:510:17F:H6	6:D:517:17F:C4	0.53	2.34	6	4
5:E:853:7Q9:O31	5:E:853:7Q9:C11	0.53	2.56	5	1
5:D:509:7Q9:C312	5:D:531:7Q9:C316	0.53	2.87	20	2
5:E:834:7Q9:C23	5:E:858:7Q9:C35	0.53	2.87	7	1
6:A:219:17F:C26	5:D:505:7Q9:C312	0.53	2.86	9	2
6:B:208:17F:O4	5:B:209:7Q9:C15	0.53	2.57	9	3
6:D:518:17F:O9	6:D:518:17F:O1	0.53	2.26	12	4
5:D:503:7Q9:C312	5:D:503:7Q9:C38	0.53	2.83	13	2
1:B:117:LYS:HE2	3:B:201:GSP:C5	0.53	2.38	14	1
1:B:126:ASP:OD2	1:B:128:LYS:HB3	0.53	2.04	16	1
5:B:204:7Q9:O13	5:B:205:7Q9:O12	0.53	2.26	16	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:D:531:7Q9:O21	5:D:531:7Q9:O32	0.53	2.27	19	15
6:E:810:17F:O7	6:E:810:17F:O10	0.53	2.27	20	17
5:D:524:7Q9:C15	5:D:524:7Q9:O12	0.53	2.57	15	2
6:D:534:17F:O10	6:D:534:17F:H9	0.53	2.04	7	9
1:A:72:MET:HA	1:A:78:PHE:HZ	0.53	1.63	7	2
6:A:220:17F:H54	6:A:220:17F:C34	0.53	2.33	3	1
5:B:205:7Q9:C310	6:B:208:17F:H74	0.53	2.34	4	1
2:D:269:GLN:HG3	6:D:540:17F:H32	0.53	1.81	5	1
6:D:533:17F:H54	6:E:857:17F:H74	0.53	1.79	5	2
6:D:517:17F:H39	6:D:517:17F:H64	0.53	1.81	8	1
5:A:218:7Q9:C2	5:A:218:7Q9:O32	0.53	2.54	9	1
5:E:822:7Q9:O21	5:E:822:7Q9:P	0.53	2.67	10	1
6:A:213:17F:H10	5:D:503:7Q9:C22	0.53	2.34	11	1
5:D:503:7Q9:O22	5:D:503:7Q9:C31	0.53	2.56	13	1
6:A:208:17F:C1Z	6:A:208:17F:H40	0.53	2.33	18	2
6:D:520:17F:H55	6:D:520:17F:C39	0.53	2.34	15	2
6:A:208:17F:HN1A	6:A:219:17F:H1	0.53	1.63	1	2
5:D:528:7Q9:C318	6:E:873:17F:H50	0.53	2.33	1	1
5:E:855:7Q9:C14	5:E:855:7Q9:O12	0.53	2.57	12	20
5:D:513:7Q9:O32	5:D:513:7Q9:O21	0.53	2.27	2	1
6:E:808:17F:H69	5:E:814:7Q9:C312	0.53	2.34	3	3
6:E:856:17F:O8	6:E:856:17F:C17	0.53	2.57	3	1
5:E:851:7Q9:C38	6:E:871:17F:H20A	0.53	2.34	5	2
2:D:423:GLU:HA	2:D:426:LYS:HE2	0.53	1.80	12	2
5:D:509:7Q9:O14	5:D:526:7Q9:C14	0.53	2.57	5	3
5:A:203:7Q9:O32	6:A:208:17F:H9	0.53	2.03	7	1
6:B:208:17F:O1	6:B:208:17F:H2	0.53	2.02	7	1
6:E:802:17F:H1A	6:E:802:17F:H4	0.53	1.80	14	2
5:E:834:7Q9:C316	6:E:839:17F:H53	0.53	2.34	14	1
5:A:215:7Q9:C317	5:E:821:7Q9:C314	0.53	2.86	17	1
2:E:711:LEU:HB2	5:E:866:7Q9:C311	0.53	2.34	17	1
6:E:806:17F:H74	5:E:811:7Q9:C315	0.53	2.34	17	1
5:D:555:7Q9:O22	5:D:555:7Q9:C1	0.52	2.53	20	8
5:D:501:7Q9:O22	5:D:501:7Q9:C3	0.52	2.52	3	13
5:E:876:7Q9:O22	5:E:876:7Q9:C3	0.52	2.54	6	8
5:D:541:7Q9:C14	5:D:541:7Q9:O12	0.52	2.57	17	6
6:A:213:17F:H63	6:A:213:17F:C31	0.52	2.28	5	4
6:A:220:17F:H11	5:D:515:7Q9:C23	0.52	2.33	5	2
6:D:517:17F:C42	6:E:839:17F:H73	0.52	2.34	5	1
5:E:833:7Q9:C316	6:E:857:17F:H55	0.52	2.34	10	1
5:E:864:7Q9:C13	5:E:874:7Q9:O13	0.52	2.57	10	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:519:17F:H46	5:D:526:7Q9:C312	0.52	2.34	16	1
6:E:808:17F:H69	6:E:820:17F:H37	0.52	1.81	16	1
6:A:213:17F:H44	5:D:507:7Q9:C36	0.52	2.34	17	1
6:A:213:17F:H50	5:D:507:7Q9:C318	0.52	2.34	1	1
1:B:17:SER:OG	3:B:201:GSP:O3G	0.52	2.26	20	8
1:B:131:GLN:HE21	1:B:141:PHE:HD2	0.52	1.45	2	1
5:E:809:7Q9:O22	5:E:809:7Q9:O31	0.52	2.27	20	3
5:E:851:7Q9:C313	6:E:871:17F:H20A	0.52	2.35	3	1
6:B:208:17F:O1	6:B:208:17F:C5	0.52	2.56	9	3
5:A:218:7Q9:O14	6:D:511:17F:C4	0.52	2.50	5	1
6:E:810:17F:C2X	6:E:810:17F:C31	0.52	2.82	5	2
5:E:870:7Q9:C12	6:E:873:17F:O4	0.52	2.57	13	1
6:E:839:17F:C28	6:E:875:17F:H51	0.52	2.34	17	1
5:B:204:7Q9:C318	6:E:818:17F:H53	0.52	2.34	19	1
6:E:806:17F:H69	5:E:817:7Q9:C318	0.52	2.34	19	1
5:D:512:7Q9:C13	6:D:534:17F:C4	0.52	2.88	15	5
5:E:849:7Q9:O21	5:E:849:7Q9:C31	0.52	2.57	7	10
5:E:826:7Q9:C1	5:E:826:7Q9:O22	0.52	2.56	3	10
5:E:863:7Q9:O32	5:E:863:7Q9:O21	0.52	2.27	16	14
6:D:540:17F:C10	5:D:545:7Q9:C36	0.52	2.86	7	3
6:D:510:17F:O10	6:D:533:17F:C20	0.52	2.58	4	2
5:E:858:7Q9:C3	6:E:875:17F:H9	0.52	2.34	4	3
6:E:839:17F:H49	6:E:875:17F:H55	0.52	1.82	5	1
6:D:520:17F:H72	6:D:520:17F:H55	0.52	1.80	7	1
5:D:524:7Q9:O13	5:D:543:7Q9:C12	0.52	2.58	8	4
6:E:829:17F:O8	5:E:833:7Q9:C12	0.52	2.58	8	1
5:E:803:7Q9:C315	6:E:810:17F:H72	0.52	2.35	9	2
6:A:220:17F:H30	6:A:220:17F:C23	0.52	2.34	10	1
6:D:510:17F:H40	6:D:510:17F:C1X	0.52	2.19	12	1
6:A:213:17F:C24	6:A:213:17F:H56	0.52	2.35	13	1
5:D:502:7Q9:O21	5:D:502:7Q9:P	0.52	2.67	14	17
6:D:511:17F:H38	5:D:513:7Q9:C314	0.52	2.33	1	1
5:D:513:7Q9:O21	5:D:513:7Q9:O32	0.52	2.28	1	3
5:D:527:7Q9:C15	5:D:527:7Q9:O12	0.52	2.57	13	20
5:E:814:7Q9:O12	5:E:814:7Q9:C15	0.52	2.58	14	15
5:D:553:7Q9:C21	5:D:553:7Q9:C12	0.52	2.87	17	3
5:E:855:7Q9:C32	5:E:859:7Q9:C35	0.52	2.88	7	4
6:A:213:17F:H38	6:A:213:17F:H34	0.52	1.81	4	1
1:B:68:ARG:HB3	1:B:99:GLN:HE22	0.52	1.64	4	1
6:E:819:17F:C10	6:E:820:17F:C10	0.52	2.87	17	3
6:E:839:17F:C10	6:E:857:17F:H12	0.52	2.34	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:E:802:17F:H20	6:E:802:17F:C12	0.52	2.33	18	4
6:A:213:17F:H9	5:D:503:7Q9:C23	0.52	2.35	12	3
5:D:556:7Q9:C12	5:E:865:7Q9:O22	0.52	2.57	9	1
5:E:807:7Q9:C14	5:E:807:7Q9:O32	0.52	2.57	9	2
5:E:853:7Q9:O22	5:E:859:7Q9:C14	0.52	2.57	13	1
6:E:857:17F:H59	6:E:857:17F:C26	0.52	2.30	13	1
6:E:857:17F:C42	6:E:875:17F:H65	0.52	2.34	16	2
5:E:807:7Q9:C22	6:E:818:17F:H4A	0.52	2.34	19	1
5:E:865:7Q9:O12	5:E:865:7Q9:C14	0.52	2.57	13	15
6:A:220:17F:O8	6:A:220:17F:C5	0.52	2.53	2	5
5:D:509:7Q9:C312	5:D:527:7Q9:C314	0.52	2.87	2	2
6:D:517:17F:H37	6:D:533:17F:C40	0.52	2.24	2	1
5:E:874:7Q9:O32	5:E:874:7Q9:O21	0.52	2.27	2	10
5:D:544:7Q9:O32	5:D:544:7Q9:O21	0.52	2.28	17	2
5:D:503:7Q9:O32	5:D:503:7Q9:C2	0.52	2.54	20	8
6:E:802:17F:H57	6:E:802:17F:H63	0.52	1.80	12	3
6:E:808:17F:C20	6:E:810:17F:H20	0.52	2.33	11	1
6:E:819:17F:H40	5:E:836:7Q9:C37	0.52	2.34	15	1
5:E:811:7Q9:C2	5:E:811:7Q9:O32	0.52	2.54	20	9
5:E:814:7Q9:C15	5:E:814:7Q9:O13	0.52	2.58	15	15
1:A:57:ASP:OD2	3:A:201:GSP:O3G	0.52	2.27	2	5
5:D:555:7Q9:C13	5:D:555:7Q9:O14	0.52	2.57	3	10
6:E:819:17F:H42	5:E:836:7Q9:C39	0.52	2.35	17	2
5:E:859:7Q9:C1	5:E:859:7Q9:O22	0.52	2.54	3	5
5:B:205:7Q9:O22	5:B:205:7Q9:C1	0.52	2.56	5	8
5:D:548:7Q9:O22	5:D:548:7Q9:C3	0.52	2.56	14	3
5:A:207:7Q9:C13	5:A:207:7Q9:O11	0.52	2.57	7	2
6:B:208:17F:C4	6:B:208:17F:O8	0.52	2.57	7	1
6:E:808:17F:H12	6:E:808:17F:H58	0.52	1.80	14	1
5:A:203:7Q9:C14	5:B:203:7Q9:O32	0.52	2.58	16	1
5:E:862:7Q9:C2	5:E:877:7Q9:C11	0.52	2.88	17	1
6:E:839:17F:H39	6:E:839:17F:H34	0.52	1.80	19	1
5:A:215:7Q9:C12	5:A:216:7Q9:O14	0.52	2.58	20	1
5:D:529:7Q9:O32	5:D:529:7Q9:O21	0.52	2.28	16	14
5:D:532:7Q9:C13	5:D:532:7Q9:C32	0.52	2.88	13	2
1:B:126:ASP:OD2	1:B:128:LYS:HB2	0.52	2.04	4	1
6:D:517:17F:O10	6:D:517:17F:C6	0.52	2.52	13	8
5:E:824:7Q9:O22	5:E:846:7Q9:C13	0.52	2.57	5	1
5:D:516:7Q9:C1	5:D:548:7Q9:C15	0.52	2.88	7	3
5:E:860:7Q9:C3	5:E:865:7Q9:C15	0.52	2.88	15	4
6:A:208:17F:H58	6:A:208:17F:H45	0.52	1.82	7	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:B:205:7Q9:C318	6:E:812:17F:H46	0.52	2.35	7	1
5:D:516:7Q9:O13	5:D:548:7Q9:C15	0.52	2.57	15	4
5:E:825:7Q9:C35	6:E:842:17F:H20A	0.52	2.35	7	2
5:E:833:7Q9:C312	5:E:852:7Q9:C36	0.52	2.88	9	1
5:D:526:7Q9:O14	5:D:526:7Q9:C2	0.52	2.57	13	3
5:E:833:7Q9:C23	6:E:857:17F:H12	0.52	2.35	13	1
1:B:6:LEU:HB2	1:B:55:ILE:HG12	0.52	1.81	14	1
6:D:539:17F:O7	6:D:539:17F:O6	0.52	2.28	12	6
5:A:205:7Q9:C14	5:A:205:7Q9:C22	0.52	2.88	6	6
6:D:510:17F:C28	6:D:517:17F:H67	0.52	2.33	2	3
5:D:512:7Q9:C21	5:D:512:7Q9:O32	0.52	2.58	12	2
6:E:820:17F:O2	5:E:830:7Q9:C12	0.52	2.58	17	3
5:D:528:7Q9:O22	5:D:528:7Q9:O11	0.52	2.28	11	3
6:D:533:17F:H30	6:D:533:17F:C37	0.52	2.35	12	4
6:A:208:17F:H56	5:D:505:7Q9:C36	0.52	2.35	5	1
5:E:863:7Q9:C1	5:E:863:7Q9:O22	0.52	2.55	9	5
5:A:218:7Q9:C15	6:D:511:17F:O2	0.52	2.58	6	1
6:A:220:17F:H52	6:A:220:17F:C34	0.52	2.35	6	1
5:A:211:7Q9:C15	5:A:211:7Q9:O32	0.52	2.57	7	1
6:E:810:17F:C1X	6:E:810:17F:C23	0.52	2.76	9	3
2:E:641:LEU:HG	5:E:852:7Q9:C312	0.52	2.35	9	1
5:B:205:7Q9:C310	6:B:208:17F:C31	0.52	2.85	10	1
5:D:526:7Q9:C22	5:D:544:7Q9:O31	0.52	2.58	11	1
5:E:805:7Q9:C14	5:E:816:7Q9:O22	0.52	2.58	12	1
5:A:214:7Q9:C318	6:E:820:17F:H76	0.52	2.35	13	1
6:E:810:17F:H48	6:E:810:17F:H61	0.52	1.81	16	1
6:E:875:17F:O9	6:E:875:17F:C1	0.52	2.57	18	1
5:D:507:7Q9:O32	5:D:507:7Q9:C21	0.52	2.57	17	15
5:E:865:7Q9:C2	5:E:865:7Q9:O32	0.52	2.54	12	6
1:B:57:ASP:OD2	3:B:201:GSP:O3G	0.52	2.28	14	4
5:B:204:7Q9:C316	6:E:802:17F:H53	0.52	2.35	4	1
6:B:208:17F:O2	6:B:208:17F:C2	0.52	2.58	17	3
5:D:514:7Q9:O32	5:D:514:7Q9:C2	0.52	2.56	19	6
5:A:203:7Q9:C13	5:B:205:7Q9:O14	0.52	2.58	7	1
5:D:556:7Q9:O32	5:D:556:7Q9:C2	0.52	2.56	10	1
6:D:518:17F:O2	6:D:518:17F:C2	0.52	2.58	11	1
1:B:117:LYS:HE2	3:B:201:GSP:N3	0.52	2.20	13	1
6:D:511:17F:C10	5:D:513:7Q9:C23	0.52	2.87	13	1
6:D:510:17F:H50	6:D:517:17F:C23	0.52	2.35	18	2
6:D:511:17F:H43	5:D:513:7Q9:C315	0.52	2.34	17	1
6:E:839:17F:C8	6:E:857:17F:H30	0.52	2.34	19	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:E:839:17F:H8	6:E:857:17F:H41	0.52	1.82	1	2
6:E:819:17F:C42	6:E:819:17F:C27	0.52	2.85	3	1
5:E:838:7Q9:C11	6:E:842:17F:O10	0.52	2.58	3	1
6:A:219:17F:H56	6:D:518:17F:C22	0.52	2.35	5	1
5:A:211:7Q9:C316	6:A:220:17F:H34	0.52	2.35	7	1
1:A:34:PRO:HA	3:A:201:GSP:S1G	0.52	2.45	8	1
5:E:870:7Q9:O22	6:E:873:17F:H9A	0.52	2.05	10	1
6:D:510:17F:H56	6:D:517:17F:C1X	0.52	2.34	11	1
2:D:396:ALA:HA	5:D:537:7Q9:C316	0.52	2.34	15	2
6:D:510:17F:H6A	6:D:517:17F:H11A	0.52	1.82	15	1
6:A:219:17F:H31	5:E:801:7Q9:C36	0.52	2.34	17	1
6:D:510:17F:H74	6:E:857:17F:H48	0.52	1.81	17	1
6:A:219:17F:O8	5:D:505:7Q9:C35	0.52	2.58	18	1
6:D:510:17F:C1X	6:D:517:17F:H8A	0.52	2.35	20	1
5:D:516:7Q9:C22	5:D:537:7Q9:C14	0.51	2.87	1	3
2:E:628:GLU:OE2	2:E:631:ARG:HD3	0.51	2.05	18	2
5:A:211:7Q9:C312	6:A:213:17F:C36	0.51	2.88	3	1
6:E:808:17F:O10	6:E:808:17F:C4	0.51	2.54	14	6
5:E:838:7Q9:C314	5:E:867:7Q9:C318	0.51	2.88	3	3
5:B:206:7Q9:O32	5:B:206:7Q9:O21	0.51	2.28	5	4
6:E:839:17F:H49	6:E:875:17F:H53	0.51	1.82	7	1
5:D:537:7Q9:C22	5:D:548:7Q9:C39	0.51	2.87	8	1
6:B:208:17F:O4	5:B:209:7Q9:C12	0.51	2.59	9	1
6:D:519:17F:H48	6:D:519:17F:H69	0.51	1.82	12	1
6:D:510:17F:H8	6:D:517:17F:H19	0.51	1.82	14	1
5:A:214:7Q9:C313	5:A:218:7Q9:C315	0.51	2.87	19	1
5:E:813:7Q9:O22	5:E:813:7Q9:O31	0.51	2.28	19	15
5:E:855:7Q9:O21	5:E:855:7Q9:O32	0.51	2.28	9	3
5:D:555:7Q9:C15	6:E:857:17F:O1	0.51	2.58	3	6
5:E:825:7Q9:C39	5:E:843:7Q9:C34	0.51	2.88	4	2
5:A:205:7Q9:C13	5:A:205:7Q9:C22	0.51	2.88	4	1
6:E:806:17F:H36	6:E:806:17F:H41	0.51	1.81	4	2
6:E:810:17F:H57	6:E:810:17F:H35	0.51	1.78	13	2
5:A:218:7Q9:C39	6:D:511:17F:H42	0.51	2.35	10	1
6:E:829:17F:H43	6:E:829:17F:C34	0.51	2.35	10	2
5:D:513:7Q9:C37	6:D:534:17F:H62	0.51	2.34	11	1
6:A:213:17F:C42	6:E:819:17F:H77	0.51	2.35	12	1
6:E:802:17F:H50	6:E:802:17F:H65	0.51	1.82	12	1
5:A:215:7Q9:C13	5:A:216:7Q9:O22	0.51	2.58	14	1
5:E:867:7Q9:C33	5:E:877:7Q9:C35	0.51	2.88	14	1
5:D:514:7Q9:C312	5:D:525:7Q9:C318	0.51	2.89	15	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:A:203:7Q9:C12	5:B:203:7Q9:O31	0.51	2.58	17	1
5:A:203:7Q9:C318	6:A:208:17F:H76	0.51	2.35	19	1
5:E:854:7Q9:O11	5:E:854:7Q9:C13	0.51	2.58	1	1
5:E:858:7Q9:O32	5:E:858:7Q9:O21	0.51	2.27	2	14
2:D:408:LYS:HB2	2:D:409:PRO:HD3	0.51	1.81	12	8
5:B:205:7Q9:C310	6:B:208:17F:C35	0.51	2.89	3	1
5:A:205:7Q9:C3	6:A:208:17F:H5	0.51	2.35	4	1
6:E:873:17F:O2	6:E:873:17F:C8	0.51	2.58	9	4
5:A:212:7Q9:C33	5:D:505:7Q9:C32	0.51	2.88	7	1
2:D:404:SER:HB2	5:D:548:7Q9:C312	0.51	2.35	19	4
2:D:430:LEU:HD21	6:D:539:17F:H33	0.51	1.81	8	1
5:A:218:7Q9:O22	5:A:218:7Q9:O11	0.51	2.29	18	3
5:E:825:7Q9:C38	6:E:842:17F:H69	0.51	2.35	9	2
5:D:549:7Q9:C22	5:E:801:7Q9:C35	0.51	2.88	10	1
1:A:17:SER:OG	3:A:201:GSP:O3G	0.51	2.29	12	2
3:B:201:GSP:O3G	3:B:201:GSP:O2B	0.51	2.29	13	1
6:E:802:17F:H39	5:E:805:7Q9:C312	0.51	2.36	13	1
6:A:213:17F:C22	5:D:509:7Q9:C23	0.51	2.89	14	1
6:E:802:17F:H61	5:E:804:7Q9:C22	0.51	2.36	14	1
5:D:521:7Q9:C39	5:D:542:7Q9:C37	0.51	2.89	16	1
6:E:808:17F:H12A	6:E:808:17F:H63	0.51	1.81	17	1
5:A:204:7Q9:C318	6:E:802:17F:H75	0.51	2.35	18	1
6:E:819:17F:C34	6:E:842:17F:H65	0.51	2.35	19	1
5:A:204:7Q9:C13	5:A:205:7Q9:C23	0.51	2.89	20	1
6:D:510:17F:O7	6:D:517:17F:C4	0.51	2.50	5	2
6:D:510:17F:H43	6:D:510:17F:H36	0.51	1.83	13	5
6:D:511:17F:O4	5:D:532:7Q9:C12	0.51	2.59	20	2
5:D:526:7Q9:C318	5:E:838:7Q9:C310	0.51	2.89	4	2
5:E:817:7Q9:C36	5:E:817:7Q9:C311	0.51	2.88	4	2
5:D:556:7Q9:O22	5:D:556:7Q9:O31	0.51	2.28	11	3
5:E:850:7Q9:O32	5:E:850:7Q9:C21	0.51	2.58	16	7
1:A:46:ILE:HB	1:A:51:CYS:SG	0.51	2.46	6	3
5:B:209:7Q9:C311	6:D:520:17F:H61	0.51	2.35	7	2
6:D:517:17F:H67	6:D:517:17F:H50	0.51	1.82	12	2
5:D:532:7Q9:C35	5:D:532:7Q9:O31	0.51	2.58	8	2
6:D:539:17F:H57	6:D:539:17F:C17	0.51	2.35	8	1
6:E:842:17F:C4	6:E:842:17F:H2	0.51	2.35	15	2
6:D:510:17F:H54	6:D:533:17F:H55	0.51	1.83	9	1
5:D:506:7Q9:C34	6:D:517:17F:C31	0.51	2.88	10	1
6:E:802:17F:H59	5:E:804:7Q9:C39	0.51	2.35	11	2
6:D:510:17F:C25	6:D:510:17F:H30	0.51	2.34	12	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:A:212:7Q9:C36	5:D:505:7Q9:C34	0.51	2.89	14	1
5:E:847:7Q9:C13	5:E:848:7Q9:O13	0.51	2.58	15	1
2:D:440:LEU:HD13	6:D:552:17F:H78	0.51	1.82	16	1
6:A:208:17F:H30	6:B:208:17F:C19	0.51	2.26	17	1
6:D:534:17F:H29	5:D:538:7Q9:C315	0.51	2.35	17	1
6:E:812:17F:H6A	5:E:824:7Q9:C11	0.51	2.35	17	1
6:A:220:17F:H65	6:A:220:17F:H10A	0.51	1.83	18	1
5:D:508:7Q9:O22	5:D:508:7Q9:O11	0.51	2.29	18	1
1:A:84:ILE:CD1	1:A:118:CYS:HA	0.51	2.35	6	4
5:A:205:7Q9:O22	5:A:205:7Q9:C3	0.51	2.56	17	5
6:D:510:17F:C5	6:D:533:17F:C19	0.51	2.73	1	2
2:E:623:ARG:HD2	5:E:859:7Q9:C310	0.51	2.36	1	1
6:E:842:17F:O10	6:E:842:17F:C6	0.51	2.47	1	9
5:E:825:7Q9:C33	5:E:825:7Q9:C37	0.51	2.89	5	5
6:E:839:17F:H2	6:E:875:17F:O8	0.51	2.05	11	3
6:E:856:17F:O8	6:E:856:17F:C20	0.51	2.59	3	1
5:E:838:7Q9:C32	6:E:842:17F:H31	0.51	2.35	7	3
6:E:857:17F:H36	6:E:857:17F:H56	0.51	1.82	4	1
2:E:733:LEU:HG	5:E:876:7Q9:C38	0.51	2.36	5	2
6:D:519:17F:H33	6:D:519:17F:C35	0.51	2.35	10	1
5:E:864:7Q9:C13	5:E:874:7Q9:C1	0.51	2.88	10	1
6:D:519:17F:H62	6:D:519:17F:C23	0.51	2.36	11	1
5:E:834:7Q9:O31	5:E:834:7Q9:O22	0.51	2.29	16	2
6:A:213:17F:H76	6:E:819:17F:C42	0.51	2.35	12	1
6:E:829:17F:H30	5:E:833:7Q9:C35	0.51	2.35	12	3
5:E:834:7Q9:C15	6:E:856:17F:C2	0.51	2.88	12	1
5:D:505:7Q9:C14	5:D:505:7Q9:C1	0.51	2.89	16	1
5:E:825:7Q9:C316	6:E:842:17F:H71	0.51	2.36	18	1
6:A:208:17F:C4	6:A:208:17F:C1	0.51	2.87	5	3
5:E:878:7Q9:C2	5:E:878:7Q9:O32	0.51	2.53	1	9
5:D:505:7Q9:C15	6:D:518:17F:O10	0.51	2.59	2	3
5:B:204:7Q9:C14	5:B:204:7Q9:O13	0.51	2.58	10	4
5:E:817:7Q9:O12	5:E:817:7Q9:C15	0.51	2.58	15	16
6:E:819:17F:H77	6:E:819:17F:C27	0.51	2.35	3	1
5:E:844:7Q9:O13	5:E:844:7Q9:O21	0.51	2.29	3	3
5:D:503:7Q9:O22	5:D:503:7Q9:O11	0.51	2.29	20	7
5:E:809:7Q9:C13	6:E:818:17F:O2	0.51	2.59	11	2
5:E:815:7Q9:O22	5:E:815:7Q9:O11	0.51	2.28	6	2
5:E:854:7Q9:C1	5:E:854:7Q9:O22	0.51	2.55	9	4
5:E:834:7Q9:C11	5:E:858:7Q9:O13	0.51	2.58	7	1
5:A:211:7Q9:C311	6:A:213:17F:H57	0.51	2.35	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:847:7Q9:C22	5:E:848:7Q9:C34	0.51	2.88	15	2
2:D:436:TYR:HD1	2:E:718:LEU:HD11	0.51	1.64	10	1
5:D:515:7Q9:C3	6:D:519:17F:H19	0.51	2.34	10	1
2:D:333:LYS:HD2	5:E:878:7Q9:C318	0.51	2.36	11	3
6:E:839:17F:H77	6:E:839:17F:H47	0.51	1.81	11	2
5:E:874:7Q9:C3	5:E:874:7Q9:O22	0.51	2.56	14	1
1:A:68:ARG:HG2	1:A:72:MET:HE3	0.51	1.81	16	1
6:E:819:17F:H45	6:E:819:17F:H75	0.51	1.81	16	1
6:D:552:17F:C7	6:D:552:17F:O6	0.51	2.58	17	1
5:E:803:7Q9:P	6:E:808:17F:H2	0.51	2.46	15	2
5:E:848:7Q9:C1	5:E:848:7Q9:O22	0.51	2.53	15	10
5:D:516:7Q9:C1	5:D:516:7Q9:O22	0.51	2.52	13	6
6:D:519:17F:H30	6:D:519:17F:C23	0.51	2.24	2	2
6:D:533:17F:C17	6:D:533:17F:C1Y	0.51	2.89	8	6
1:A:117:LYS:HE2	3:A:201:GSP:N7	0.51	2.20	3	1
6:A:208:17F:C1X	6:B:208:17F:H31	0.51	2.36	3	2
5:E:804:7Q9:C311	5:E:815:7Q9:C315	0.51	2.89	6	1
5:A:207:7Q9:O22	5:B:203:7Q9:C14	0.51	2.59	8	1
6:E:820:17F:O8	6:E:820:17F:H4A	0.51	2.04	20	3
6:D:518:17F:H34	5:D:551:7Q9:C38	0.51	2.36	9	1
5:A:211:7Q9:C1	5:A:211:7Q9:C15	0.51	2.89	12	1
6:E:857:17F:H67	6:E:875:17F:C34	0.51	2.36	18	2
2:E:682:LYS:HG3	5:E:868:7Q9:O32	0.51	2.06	17	2
6:A:208:17F:H18A	5:A:212:7Q9:C36	0.51	2.35	20	1
6:A:213:17F:H12A	6:A:213:17F:O2	0.51	2.06	20	1
5:A:216:7Q9:C33	5:B:207:7Q9:C35	0.51	2.88	7	4
6:D:534:17F:H10A	6:D:534:17F:C33	0.51	2.35	17	5
5:D:542:7Q9:O31	5:D:542:7Q9:C21	0.51	2.58	5	15
2:E:641:LEU:HD23	5:E:852:7Q9:C313	0.51	2.36	1	2
5:E:867:7Q9:C1	5:E:877:7Q9:O13	0.51	2.58	9	5
5:A:216:7Q9:C34	5:D:506:7Q9:O32	0.51	2.58	15	3
6:D:533:17F:O10	6:D:533:17F:H6A	0.51	2.06	12	4
6:D:539:17F:H37	6:D:539:17F:C35	0.51	2.36	2	3
6:D:540:17F:C36	6:D:540:17F:C1X	0.51	2.89	9	5
6:A:213:17F:C40	6:E:819:17F:H76	0.51	2.35	4	1
6:E:802:17F:H1	6:E:802:17F:H4	0.51	1.81	5	1
5:A:206:7Q9:O13	5:A:206:7Q9:C12	0.51	2.58	16	7
5:B:206:7Q9:C316	6:E:812:17F:H50	0.51	2.35	7	1
6:A:220:17F:H39	6:A:220:17F:C37	0.51	2.27	12	1
6:E:820:17F:H18	5:E:853:7Q9:C11	0.51	2.36	16	1
6:E:808:17F:H50	6:E:808:17F:H74	0.51	1.83	1	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:E:857:17F:H10A	6:E:875:17F:H5	0.51	1.83	6	2
5:B:205:7Q9:C314	6:B:208:17F:H39	0.51	2.36	10	2
5:B:209:7Q9:O32	5:B:209:7Q9:C2	0.51	2.56	9	8
6:D:511:17F:H69	6:D:511:17F:H59	0.51	1.82	12	2
6:A:219:17F:C37	6:D:518:17F:H60	0.51	2.36	5	1
5:E:824:7Q9:O22	5:E:846:7Q9:C12	0.51	2.59	5	1
5:A:211:7Q9:C313	6:A:220:17F:H34	0.51	2.36	6	2
5:E:822:7Q9:C13	5:E:826:7Q9:O13	0.51	2.59	6	1
5:A:211:7Q9:C3	5:A:211:7Q9:C15	0.51	2.89	8	1
5:B:206:7Q9:C37	5:B:210:7Q9:C39	0.51	2.89	20	2
6:D:510:17F:H53	6:D:510:17F:H68	0.51	1.82	11	1
6:E:829:17F:H70	5:E:830:7Q9:C35	0.51	2.36	12	2
6:E:810:17F:HN1	6:E:819:17F:H6	0.51	1.66	14	1
6:A:219:17F:H68	5:D:505:7Q9:C38	0.51	2.36	15	1
6:A:213:17F:H20A	6:A:213:17F:C21	0.51	2.36	18	1
6:A:213:17F:H12	6:A:213:17F:C23	0.51	2.31	19	1
6:A:213:17F:H78	6:E:819:17F:H51	0.51	1.82	20	1
2:E:711:LEU:HD22	5:E:866:7Q9:C311	0.51	2.36	20	1
6:D:510:17F:H49	6:D:517:17F:C39	0.51	2.35	1	3
5:D:554:7Q9:C13	5:D:554:7Q9:O14	0.51	2.59	3	6
5:E:848:7Q9:O32	5:E:848:7Q9:O21	0.51	2.29	16	18
5:E:831:7Q9:O22	5:E:831:7Q9:C1	0.51	2.57	4	6
5:E:865:7Q9:C14	5:E:865:7Q9:O11	0.51	2.59	10	14
5:A:207:7Q9:C22	5:B:204:7Q9:C32	0.51	2.89	4	1
5:D:555:7Q9:C11	5:E:833:7Q9:C2	0.51	2.89	4	3
5:A:217:7Q9:C38	5:D:514:7Q9:C39	0.51	2.89	5	2
5:E:845:7Q9:C14	5:E:865:7Q9:O13	0.51	2.59	5	2
6:D:510:17F:C28	6:D:517:17F:H68	0.51	2.35	7	1
6:D:539:17F:H66	6:D:539:17F:H38	0.51	1.81	8	1
6:E:873:17F:O2	6:E:873:17F:H2	0.51	2.06	12	4
5:B:205:7Q9:C314	6:B:208:17F:H35	0.51	2.35	10	1
5:D:505:7Q9:C14	5:D:505:7Q9:O13	0.51	2.59	11	1
2:D:374:LEU:HD23	5:D:535:7Q9:C310	0.51	2.35	13	1
1:B:10:GLY:O	1:B:60:GLY:HA3	0.51	2.06	14	1
5:A:216:7Q9:C2	6:D:517:17F:H18A	0.51	2.36	20	1
6:D:540:17F:H65	6:D:540:17F:H59	0.50	1.81	12	2
6:D:539:17F:H63	6:D:539:17F:H38	0.50	1.82	3	2
5:E:838:7Q9:O31	5:E:838:7Q9:O22	0.50	2.29	4	9
5:E:864:7Q9:C37	5:E:864:7Q9:C23	0.50	2.90	16	2
6:A:220:17F:H48	6:A:220:17F:H65	0.50	1.83	3	1
1:B:99:GLN:O	1:B:103:VAL:HG23	0.50	2.07	17	6

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:D:508:7Q9:O13	5:D:524:7Q9:C11	0.50	2.59	4	1
6:E:808:17F:O5	5:E:814:7Q9:C13	0.50	2.59	4	1
6:D:520:17F:O8	6:D:520:17F:O9	0.50	2.29	6	4
5:E:861:7Q9:C1	5:E:861:7Q9:O22	0.50	2.57	7	3
1:A:13:GLY:C	3:A:201:GSP:H5'1	0.50	2.26	20	2
5:A:215:7Q9:C22	5:A:216:7Q9:C23	0.50	2.89	12	1
6:E:818:17F:H35	6:E:818:17F:C24	0.50	2.35	19	2
5:D:506:7Q9:O12	5:D:506:7Q9:O21	0.50	2.29	15	1
2:D:257:PHE:HE2	2:E:706:LYS:HD3	0.50	1.66	16	1
5:D:505:7Q9:O32	6:D:518:17F:H9A	0.50	2.05	16	1
6:A:213:17F:C23	6:A:213:17F:C12	0.50	2.88	17	1
5:A:206:7Q9:C312	6:E:802:17F:H70	0.50	2.36	18	1
6:A:219:17F:H57	5:E:801:7Q9:C34	0.50	2.36	18	1
6:E:810:17F:H30	5:E:811:7Q9:C33	0.50	2.36	19	1
6:A:208:17F:O4	5:A:212:7Q9:C14	0.50	2.58	19	3
6:A:213:17F:O1	6:A:213:17F:C17	0.50	2.59	2	5
6:B:208:17F:H57	6:B:208:17F:C35	0.50	2.23	13	3
5:D:554:7Q9:O22	5:D:554:7Q9:O11	0.50	2.28	10	3
5:D:514:7Q9:O13	5:D:514:7Q9:C21	0.50	2.59	9	2
5:D:555:7Q9:C15	6:E:857:17F:O6	0.50	2.59	15	3
1:A:6:LEU:O	1:A:55:ILE:HA	0.50	2.06	3	3
6:D:534:17F:H6	5:D:538:7Q9:C35	0.50	2.36	3	1
5:E:827:7Q9:O32	5:E:827:7Q9:C2	0.50	2.56	16	5
6:A:220:17F:O2	5:D:503:7Q9:C15	0.50	2.59	7	1
5:E:838:7Q9:C34	6:E:842:17F:H44	0.50	2.36	20	2
6:E:839:17F:H10A	6:E:857:17F:C12	0.50	2.30	7	1
5:D:523:7Q9:C312	5:D:523:7Q9:C38	0.50	2.89	8	1
2:D:439:LYS:HG3	2:E:714:LEU:HD12	0.50	1.82	10	1
5:D:550:7Q9:O21	6:D:552:17F:N1	0.50	2.44	13	1
6:A:219:17F:C32	6:A:219:17F:H35	0.50	2.36	14	1
5:E:840:7Q9:C11	5:E:866:7Q9:C36	0.50	2.89	14	1
6:D:510:17F:H8	6:D:517:17F:O7	0.50	2.05	16	1
6:B:208:17F:H51	5:D:504:7Q9:C318	0.50	2.36	17	1
6:E:802:17F:O9	6:E:802:17F:O8	0.50	2.29	20	1
5:A:211:7Q9:C317	6:A:220:17F:H78	0.50	2.36	1	1
5:D:516:7Q9:O13	5:D:516:7Q9:C14	0.50	2.59	1	1
6:E:802:17F:C28	6:E:802:17F:C42	0.50	2.89	9	5
6:E:818:17F:O10	6:E:818:17F:C4	0.50	2.57	15	3
6:E:818:17F:O8	5:E:821:7Q9:C13	0.50	2.59	2	2
5:A:216:7Q9:C15	5:B:207:7Q9:C33	0.50	2.89	16	4
1:B:22:GLN:O	1:B:26:ASN:HA	0.50	2.06	7	10

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:520:17F:C24	6:D:520:17F:C2X	0.50	2.80	5	2
6:E:808:17F:H47	6:E:808:17F:C41	0.50	2.32	3	1
5:E:863:7Q9:O32	5:E:878:7Q9:C14	0.50	2.59	4	1
5:D:546:7Q9:C15	5:D:546:7Q9:O22	0.50	2.59	14	2
5:B:205:7Q9:C312	6:B:208:17F:C35	0.50	2.89	10	2
5:D:556:7Q9:O13	5:E:845:7Q9:C13	0.50	2.59	13	3
5:E:830:7Q9:O11	5:E:830:7Q9:O22	0.50	2.29	7	1
5:E:833:7Q9:O22	5:E:833:7Q9:C1	0.50	2.55	18	3
2:E:619:VAL:HA	2:E:622:LEU:HD12	0.50	1.82	9	2
5:D:531:7Q9:O32	5:D:531:7Q9:O21	0.50	2.28	10	1
5:A:206:7Q9:C318	6:E:802:17F:H64	0.50	2.37	11	1
5:E:870:7Q9:O22	6:E:873:17F:H9	0.50	2.06	11	1
6:E:812:17F:H42	6:E:812:17F:H71	0.50	1.83	12	1
5:D:514:7Q9:C1	5:D:514:7Q9:C15	0.50	2.89	20	3
5:D:501:7Q9:C315	5:E:809:7Q9:C310	0.50	2.90	18	1
5:D:513:7Q9:C14	5:D:532:7Q9:O13	0.50	2.60	19	1
5:D:546:7Q9:O22	5:D:546:7Q9:C12	0.50	2.60	2	8
5:E:837:7Q9:O32	5:E:837:7Q9:O21	0.50	2.28	12	8
5:B:204:7Q9:C22	5:B:207:7Q9:C311	0.50	2.90	2	2
6:E:839:17F:H33	6:E:839:17F:H39	0.50	1.83	2	2
5:E:864:7Q9:C35	5:E:864:7Q9:O32	0.50	2.59	7	4
6:D:518:17F:H60	6:D:518:17F:C25	0.50	2.37	3	1
6:E:810:17F:H34	6:E:819:17F:H63	0.50	1.84	4	1
5:E:835:7Q9:C317	6:E:856:17F:C37	0.50	2.89	4	1
5:B:203:7Q9:C1	5:B:203:7Q9:O22	0.50	2.55	8	3
6:D:517:17F:C21	6:D:533:17F:H38	0.50	2.37	5	1
6:E:819:17F:C1	5:E:838:7Q9:C13	0.50	2.88	5	2
1:B:72:MET:HA	1:B:78:PHE:HZ	0.50	1.66	7	3
6:E:808:17F:C31	6:E:820:17F:C12	0.50	2.89	7	1
6:D:510:17F:H19	5:D:530:7Q9:C3	0.50	2.36	8	1
5:E:803:7Q9:C313	6:E:806:17F:H61	0.50	2.36	12	2
5:E:864:7Q9:C32	5:E:874:7Q9:C34	0.50	2.90	8	1
5:E:835:7Q9:C34	6:E:856:17F:H19A	0.50	2.36	9	1
6:A:220:17F:H11A	5:D:515:7Q9:C23	0.50	2.36	12	1
5:D:507:7Q9:O22	5:D:507:7Q9:C3	0.50	2.51	12	1
1:A:127:THR:O	1:A:131:GLN:HG3	0.50	2.05	14	1
2:D:269:GLN:CG	6:D:540:17F:H33	0.50	2.35	14	1
6:A:213:17F:C1X	5:D:509:7Q9:O22	0.50	2.58	18	1
6:E:818:17F:C10	5:E:821:7Q9:C23	0.50	2.89	20	1
5:A:217:7Q9:C38	5:D:514:7Q9:C310	0.50	2.89	1	2
5:D:527:7Q9:O32	5:D:527:7Q9:O21	0.50	2.29	14	8

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:D:554:7Q9:O14	5:E:848:7Q9:C13	0.50	2.59	7	6
5:E:831:7Q9:C1	5:E:831:7Q9:O22	0.50	2.55	9	7
5:E:844:7Q9:O32	5:E:844:7Q9:C2	0.50	2.57	6	6
5:B:206:7Q9:C21	5:D:501:7Q9:C15	0.50	2.90	5	1
5:D:513:7Q9:O31	6:D:534:17F:H9	0.50	2.05	9	1
6:D:519:17F:H59	6:D:519:17F:C23	0.50	2.18	11	1
5:E:805:7Q9:C12	5:E:816:7Q9:O22	0.50	2.59	12	1
6:E:806:17F:P1	6:E:806:17F:HN1	0.50	2.30	20	2
6:D:534:17F:H61	6:D:534:17F:H10A	0.50	1.82	14	1
5:D:542:7Q9:C15	5:D:553:7Q9:O22	0.50	2.60	14	1
6:A:219:17F:H40	6:A:219:17F:C35	0.50	2.33	15	1
5:B:206:7Q9:C318	6:E:812:17F:H45	0.50	2.35	16	1
6:D:539:17F:H62	6:D:539:17F:H38	0.50	1.84	16	1
6:E:802:17F:H46	5:E:807:7Q9:C318	0.50	2.37	16	1
2:D:269:GLN:HG2	6:D:540:17F:C1Y	0.50	2.35	17	1
6:E:875:17F:H41	6:E:875:17F:C2X	0.50	2.36	17	1
5:E:811:7Q9:O13	5:E:822:7Q9:O11	0.50	2.29	18	1
6:E:808:17F:C33	6:E:820:17F:C12	0.50	2.87	10	3
5:D:503:7Q9:C21	5:D:503:7Q9:C11	0.50	2.90	2	1
6:D:511:17F:O9	6:D:511:17F:C7	0.50	2.59	8	8
5:D:547:7Q9:O22	5:D:547:7Q9:C1	0.50	2.58	10	9
5:E:813:7Q9:C34	5:E:828:7Q9:C313	0.50	2.89	14	3
5:E:859:7Q9:O32	5:E:859:7Q9:O21	0.50	2.30	20	13
1:A:16:LYS:HG2	3:A:201:GSP:O2B	0.50	2.07	17	2
6:A:219:17F:C26	5:D:505:7Q9:C311	0.50	2.87	15	3
5:B:205:7Q9:C39	6:B:208:17F:H63	0.50	2.37	3	1
6:A:213:17F:O9	6:A:213:17F:O8	0.50	2.29	20	3
5:B:206:7Q9:P	5:B:206:7Q9:C15	0.50	2.99	4	1
5:D:521:7Q9:C15	5:D:522:7Q9:O14	0.50	2.60	4	1
5:E:838:7Q9:O32	6:E:842:17F:H19	0.50	2.07	4	1
6:E:839:17F:H73	6:E:857:17F:H41	0.50	1.84	7	3
1:B:129:GLN:O	1:B:133:LEU:HB2	0.50	2.05	15	2
5:B:206:7Q9:C318	6:E:812:17F:H74	0.50	2.37	5	1
2:D:342:SER:HB2	2:D:343:PRO:HD3	0.50	1.83	6	5
5:E:865:7Q9:C14	5:E:865:7Q9:O12	0.50	2.59	10	5
6:A:208:17F:H10A	6:A:208:17F:O2	0.50	2.06	7	1
1:B:93:ILE:HG21	1:B:113:LEU:HD21	0.50	1.83	7	1
5:E:870:7Q9:C11	6:E:873:17F:H9	0.50	2.37	9	2
5:D:506:7Q9:C34	6:D:517:17F:H56	0.50	2.37	10	1
5:E:809:7Q9:C1	5:E:809:7Q9:O22	0.50	2.58	10	2
2:D:352:ALA:HB1	5:D:527:7Q9:C317	0.50	2.37	12	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:B:204:7Q9:C14	5:B:204:7Q9:O11	0.50	2.60	18	1
5:E:843:7Q9:C22	5:E:843:7Q9:C13	0.50	2.90	18	1
6:E:812:17F:C6	6:E:812:17F:O10	0.50	2.53	19	1
5:E:807:7Q9:O21	5:E:807:7Q9:C31	0.50	2.60	1	13
1:A:16:LYS:HB2	3:A:201:GSP:O3B	0.50	2.06	2	2
6:D:519:17F:O8	6:D:519:17F:H10A	0.50	2.06	15	11
5:D:555:7Q9:C23	2:E:653:ARG:HA	0.50	2.37	2	1
5:E:847:7Q9:C14	5:E:847:7Q9:P	0.50	2.99	16	11
5:B:205:7Q9:C316	6:B:208:17F:C28	0.50	2.89	3	1
6:E:808:17F:H56	6:E:820:17F:H30	0.50	1.83	5	1
6:E:839:17F:H49	6:E:875:17F:C30	0.50	2.37	5	2
5:D:555:7Q9:O14	5:D:555:7Q9:C13	0.50	2.60	6	1
5:E:863:7Q9:O13	5:E:863:7Q9:C12	0.50	2.58	18	2
5:E:870:7Q9:C22	6:E:873:17F:H12A	0.50	2.37	7	1
6:A:213:17F:O9	6:A:213:17F:C20	0.50	2.60	8	2
6:A:220:17F:H30	6:A:220:17F:H39	0.50	1.84	10	1
6:E:819:17F:O4	5:E:825:7Q9:C15	0.50	2.60	14	2
6:D:511:17F:O1	5:D:513:7Q9:C14	0.50	2.60	11	2
6:D:520:17F:H9	5:D:550:7Q9:C39	0.50	2.36	12	1
6:D:510:17F:C17	6:D:517:17F:H9	0.50	2.36	13	2
2:D:399:HIS:CE1	2:E:561:ARG:HA	0.50	2.41	16	2
5:A:216:7Q9:O32	5:B:207:7Q9:C34	0.50	2.60	17	1
5:D:507:7Q9:C313	5:E:814:7Q9:C315	0.50	2.89	18	1
6:E:802:17F:H19	5:E:804:7Q9:C22	0.50	2.36	18	1
6:D:517:17F:H78	6:E:839:17F:H74	0.50	1.82	20	1
1:A:80:CYS:HB3	1:A:93:ILE:HD12	0.50	1.84	1	4
2:D:399:HIS:HE1	2:E:564:LEU:HB2	0.50	1.65	1	1
6:D:510:17F:C8	6:D:517:17F:C17	0.50	2.89	9	3
5:D:541:7Q9:C317	6:E:875:17F:H50	0.50	2.37	4	3
5:B:204:7Q9:O22	5:B:204:7Q9:C3	0.50	2.57	11	5
6:E:857:17F:C11	6:E:875:17F:H59	0.50	2.36	4	2
6:A:220:17F:H12A	5:D:502:7Q9:C37	0.50	2.37	5	2
6:E:829:17F:H71	5:E:830:7Q9:C316	0.50	2.37	7	1
5:D:506:7Q9:O32	6:D:517:17F:H20	0.50	2.05	8	1
5:A:218:7Q9:C33	6:D:511:17F:H9	0.50	2.36	10	1
6:D:510:17F:C9	6:D:517:17F:C7	0.50	2.88	14	1
5:D:553:7Q9:C22	5:D:553:7Q9:C13	0.50	2.90	17	2
5:B:206:7Q9:C317	6:E:812:17F:H75	0.50	2.36	15	1
6:D:519:17F:H29	5:D:526:7Q9:C310	0.50	2.37	18	1
1:B:35:THR:OG1	3:B:201:GSP:O3G	0.50	2.29	2	11
5:E:811:7Q9:C14	5:E:817:7Q9:O32	0.50	2.59	8	5

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:826:7Q9:O22	5:E:826:7Q9:C1	0.50	2.58	5	6
5:E:866:7Q9:O22	5:E:866:7Q9:C3	0.50	2.58	11	9
5:B:205:7Q9:C317	6:B:208:17F:C26	0.50	2.90	5	1
2:D:275:LEU:HG	2:E:688:ARG:HG3	0.50	1.84	7	1
6:A:219:17F:H34	5:E:801:7Q9:C34	0.50	2.37	9	1
5:E:809:7Q9:C23	6:E:818:17F:H65	0.50	2.36	9	2
6:D:519:17F:H40	6:D:519:17F:C32	0.50	2.17	11	1
5:D:546:7Q9:C313	5:D:546:7Q9:C38	0.50	2.89	12	1
6:A:208:17F:C42	6:B:208:17F:C38	0.50	2.90	15	1
5:A:210:7Q9:C36	5:A:217:7Q9:C22	0.50	2.90	16	1
5:E:872:7Q9:C1	5:E:872:7Q9:O22	0.49	2.56	6	4
5:E:825:7Q9:C316	6:E:842:17F:H75	0.49	2.37	2	4
6:A:208:17F:H76	5:B:205:7Q9:C318	0.49	2.36	3	1
6:D:510:17F:H37	6:D:511:17F:H56	0.49	1.83	3	2
6:E:856:17F:H29	6:E:856:17F:C34	0.49	2.37	4	1
5:E:851:7Q9:C315	6:E:871:17F:H60	0.49	2.37	5	2
6:D:552:17F:C31	6:D:552:17F:C9	0.49	2.90	20	4
5:D:544:7Q9:O14	5:D:544:7Q9:C21	0.49	2.60	11	5
6:E:819:17F:O10	5:E:825:7Q9:C13	0.49	2.60	19	2
6:A:208:17F:C24	6:A:219:17F:H38	0.49	2.17	8	1
6:A:213:17F:H31	6:A:213:17F:C12	0.49	2.29	10	1
5:B:210:7Q9:C32	6:D:520:17F:H60	0.49	2.37	16	1
5:B:209:7Q9:C314	5:E:840:7Q9:C314	0.49	2.90	17	1
5:D:543:7Q9:C3	6:D:552:17F:H29	0.49	2.37	17	1
2:D:422:LEU:HG	2:D:426:LYS:HE2	0.49	1.82	19	1
5:D:513:7Q9:C311	5:D:513:7Q9:C37	0.49	2.87	20	1
6:A:220:17F:H18A	5:D:503:7Q9:C15	0.49	2.37	1	1
5:E:864:7Q9:C33	5:E:868:7Q9:C22	0.49	2.90	1	2
1:A:64:TYR:O	1:A:68:ARG:HD2	0.49	2.06	2	1
6:A:220:17F:H65	6:A:220:17F:C12	0.49	2.35	2	1
5:E:874:7Q9:O32	5:E:874:7Q9:C21	0.49	2.59	2	3
2:D:333:LYS:HG3	5:E:878:7Q9:C318	0.49	2.37	5	1
5:D:509:7Q9:O14	5:D:526:7Q9:C13	0.49	2.61	5	1
6:D:511:17F:H1A	5:D:532:7Q9:C12	0.49	2.37	5	1
5:A:210:7Q9:C313	6:A:220:17F:H9	0.49	2.38	6	2
5:D:508:7Q9:C22	5:D:508:7Q9:C12	0.49	2.90	16	4
5:D:523:7Q9:C3	6:D:552:17F:H19A	0.49	2.37	10	2
2:E:715:ARG:O	2:E:719:LEU:HG	0.49	2.07	8	5
6:D:520:17F:C31	6:D:520:17F:C35	0.49	2.80	11	1
6:D:533:17F:H50	6:D:533:17F:H77	0.49	1.81	12	1
5:E:847:7Q9:C13	6:E:873:17F:O5	0.49	2.60	12	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:E:808:17F:H70	6:E:819:17F:H76	0.49	1.83	13	1
5:A:211:7Q9:C318	6:A:220:17F:H53	0.49	2.36	17	1
5:D:516:7Q9:C14	5:D:516:7Q9:O13	0.49	2.60	5	3
5:E:868:7Q9:C312	5:E:868:7Q9:C38	0.49	2.87	6	3
6:D:518:17F:H57	6:D:518:17F:H63	0.49	1.84	11	1
1:A:46:ILE:HD12	1:A:160:VAL:HG21	0.49	1.84	18	2
1:B:24:ILE:HD11	1:B:55:ILE:HD12	0.49	1.84	12	1
2:E:660:ARG:HD2	6:E:875:17F:C20	0.49	2.30	19	3
5:D:527:7Q9:C314	5:D:531:7Q9:C315	0.49	2.89	20	2
6:A:213:17F:H35	6:A:213:17F:C24	0.49	2.29	16	1
5:D:542:7Q9:O21	5:D:542:7Q9:C13	0.49	2.60	17	1
6:D:511:17F:C7	6:D:511:17F:O9	0.49	2.60	18	5
6:D:518:17F:H54	6:D:518:17F:C41	0.49	2.37	3	1
5:D:527:7Q9:O22	5:D:527:7Q9:C1	0.49	2.54	10	7
5:E:835:7Q9:C22	5:E:835:7Q9:C13	0.49	2.91	18	5
6:E:810:17F:H29	6:E:810:17F:H56	0.49	1.83	5	1
5:D:555:7Q9:C13	5:D:555:7Q9:O12	0.49	2.60	6	1
6:E:839:17F:C23	6:E:839:17F:H34	0.49	2.37	16	4
5:E:807:7Q9:C311	6:E:818:17F:H8	0.49	2.37	7	1
6:E:839:17F:C1Z	6:E:839:17F:H35	0.49	2.37	8	1
6:A:220:17F:H52	6:A:220:17F:H59	0.49	1.84	10	1
5:E:822:7Q9:P	5:E:822:7Q9:O21	0.49	2.71	13	1
6:A:213:17F:H66	6:A:213:17F:H46	0.49	1.84	15	1
6:A:208:17F:H40	6:A:208:17F:C31	0.49	2.37	16	2
6:A:213:17F:O10	6:A:213:17F:N1	0.49	2.43	17	1
1:A:110:PRO:HG3	1:A:166:HIS:HB2	0.49	1.82	18	1
6:D:511:17F:H53	6:E:829:17F:H50	0.49	1.84	18	1
6:A:208:17F:H31	6:A:219:17F:H10	0.49	1.81	20	1
5:E:803:7Q9:O32	6:E:808:17F:C6	0.49	2.60	20	1
5:E:807:7Q9:C13	6:E:818:17F:O2	0.49	2.60	20	1
5:D:549:7Q9:C314	5:E:870:7Q9:C313	0.49	2.90	15	2
2:D:367:SER:HB3	5:D:544:7Q9:C38	0.49	2.37	2	2
5:D:503:7Q9:O13	5:D:503:7Q9:C13	0.49	2.60	16	2
5:D:526:7Q9:O11	5:D:531:7Q9:C15	0.49	2.61	16	2
6:E:806:17F:O9	6:E:806:17F:C7	0.49	2.60	20	11
6:A:208:17F:H45	6:A:208:17F:C39	0.49	2.36	3	1
2:D:389:LEU:HD11	5:D:546:7Q9:C38	0.49	2.38	3	2
6:E:806:17F:H78	5:E:817:7Q9:C318	0.49	2.37	7	2
2:E:660:ARG:HH11	6:E:875:17F:H20A	0.49	1.68	5	2
6:D:519:17F:O10	6:D:519:17F:C6	0.49	2.49	6	2
6:E:839:17F:H34	6:E:839:17F:H39	0.49	1.84	16	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:510:17F:H73	5:E:833:7Q9:C315	0.49	2.37	7	1
6:E:810:17F:H48	6:E:810:17F:C33	0.49	2.37	8	1
6:E:820:17F:H19A	5:E:853:7Q9:C35	0.49	2.38	8	1
6:E:829:17F:H30	5:E:849:7Q9:C22	0.49	2.38	8	1
5:E:836:7Q9:C1	5:E:836:7Q9:O22	0.49	2.52	12	3
5:A:215:7Q9:C33	6:D:511:17F:H65	0.49	2.38	11	1
5:D:526:7Q9:O32	5:D:526:7Q9:C1	0.49	2.60	13	1
5:E:834:7Q9:C22	6:E:839:17F:H20	0.49	2.37	13	1
5:E:803:7Q9:O32	6:E:808:17F:C5	0.49	2.51	17	1
6:A:219:17F:O10	6:D:518:17F:H12	0.49	2.08	1	1
5:D:521:7Q9:O31	5:D:521:7Q9:P	0.49	2.71	7	2
5:E:865:7Q9:O13	5:E:865:7Q9:C21	0.49	2.60	5	2
5:D:541:7Q9:C318	6:E:875:17F:H50	0.49	2.38	3	1
5:E:858:7Q9:C3	6:E:875:17F:H10A	0.49	2.38	3	1
5:A:217:7Q9:C13	5:A:217:7Q9:O11	0.49	2.60	8	4
1:A:68:ARG:HG3	1:A:71:TYR:CE2	0.49	2.43	5	2
6:E:871:17F:C32	6:E:871:17F:C21	0.49	2.90	5	2
6:D:510:17F:N1	6:D:510:17F:O2	0.49	2.35	7	2
5:E:836:7Q9:C13	5:E:836:7Q9:O22	0.49	2.59	7	2
6:E:873:17F:C33	6:E:873:17F:H48	0.49	2.37	7	1
2:E:685:GLY:O	2:E:689:LEU:HG	0.49	2.07	8	1
6:D:520:17F:H8A	5:D:550:7Q9:C39	0.49	2.38	9	1
6:B:208:17F:H76	6:E:812:17F:H76	0.49	1.85	10	1
1:B:16:LYS:HG2	3:B:201:GSP:O2B	0.49	2.08	20	2
5:A:217:7Q9:C36	5:D:516:7Q9:C37	0.49	2.90	13	2
5:D:516:7Q9:O22	5:D:516:7Q9:C1	0.49	2.59	6	8
5:D:543:7Q9:C32	6:D:552:17F:H73	0.49	2.37	1	2
5:E:849:7Q9:C310	5:E:852:7Q9:C38	0.49	2.90	16	8
5:A:203:7Q9:C12	5:B:203:7Q9:C31	0.49	2.91	2	3
5:D:537:7Q9:O13	5:D:546:7Q9:C12	0.49	2.60	18	3
5:E:837:7Q9:O14	5:E:855:7Q9:C12	0.49	2.61	2	3
5:D:528:7Q9:O32	5:D:551:7Q9:C38	0.49	2.61	3	1
6:A:208:17F:O5	5:A:212:7Q9:C14	0.49	2.61	5	1
6:B:208:17F:H42	5:E:824:7Q9:C318	0.49	2.37	5	1
5:E:833:7Q9:C315	6:E:857:17F:H51	0.49	2.38	18	2
6:E:875:17F:H11A	6:E:875:17F:N1	0.49	2.23	5	2
6:E:857:17F:P1	6:E:857:17F:N1	0.49	2.86	11	4
6:E:856:17F:H56	6:E:856:17F:H36	0.49	1.85	7	1
6:E:820:17F:H67	5:E:853:7Q9:C311	0.49	2.38	9	1
5:E:816:7Q9:O32	5:E:816:7Q9:C14	0.49	2.61	10	1
6:A:220:17F:C42	6:A:220:17F:H47	0.49	2.38	12	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:B:208:17F:O4	5:D:508:7Q9:C15	0.49	2.61	12	1
5:D:513:7Q9:C314	6:D:534:17F:H45	0.49	2.38	14	1
6:E:857:17F:H37	6:E:857:17F:C38	0.49	2.37	14	1
5:B:205:7Q9:C312	6:B:208:17F:C12	0.49	2.90	15	1
6:E:810:17F:H11A	5:E:811:7Q9:C33	0.49	2.37	16	1
6:A:213:17F:C23	6:A:213:17F:H12	0.49	2.37	17	1
6:E:839:17F:H65	6:E:839:17F:H11A	0.49	1.83	18	1
6:E:875:17F:O3	6:E:875:17F:C6	0.49	2.58	18	1
2:D:257:PHE:HB3	2:D:261:ARG:NH1	0.49	2.23	20	1
5:D:505:7Q9:O21	5:D:505:7Q9:C31	0.49	2.61	6	9
6:E:873:17F:H20	6:E:873:17F:C1X	0.49	2.38	4	2
5:B:205:7Q9:C38	6:B:208:17F:H10A	0.49	2.38	3	1
6:D:518:17F:H54	6:D:518:17F:H74	0.49	1.84	3	1
5:D:551:7Q9:C1	5:D:551:7Q9:O22	0.49	2.54	12	4
5:A:215:7Q9:C14	5:A:218:7Q9:O14	0.49	2.60	4	2
6:E:812:17F:O10	5:E:824:7Q9:C11	0.49	2.61	17	2
5:D:556:7Q9:O31	5:E:854:7Q9:C39	0.49	2.61	6	1
6:E:839:17F:P1	6:E:839:17F:N1	0.49	2.86	19	4
5:D:528:7Q9:C36	5:D:551:7Q9:C314	0.49	2.90	7	1
6:E:802:17F:H69	5:E:804:7Q9:C312	0.49	2.38	7	1
5:D:549:7Q9:C38	5:D:551:7Q9:C312	0.49	2.90	9	1
2:D:337:LEU:HG	2:E:626:LEU:HD13	0.49	1.84	10	3
5:D:554:7Q9:C13	5:E:813:7Q9:C15	0.49	2.91	11	1
5:B:205:7Q9:C39	6:B:208:17F:H33	0.49	2.38	13	1
1:A:72:MET:SD	1:A:99:GLN:HG2	0.49	2.48	15	1
5:D:525:7Q9:O31	5:D:546:7Q9:O11	0.49	2.31	17	1
5:D:528:7Q9:C313	5:D:551:7Q9:C318	0.49	2.91	20	1
5:D:541:7Q9:O11	5:D:541:7Q9:C12	0.49	2.61	1	1
5:E:847:7Q9:O13	5:E:847:7Q9:C12	0.49	2.61	3	16
5:E:834:7Q9:C23	5:E:858:7Q9:C34	0.49	2.91	3	2
5:E:848:7Q9:O21	5:E:848:7Q9:C31	0.49	2.61	12	4
6:A:213:17F:H54	6:A:213:17F:H78	0.49	1.85	5	1
6:D:517:17F:C41	6:D:533:17F:H53	0.49	2.37	5	1
5:E:868:7Q9:O22	5:E:868:7Q9:C3	0.49	2.59	16	4
5:A:212:7Q9:C12	6:A:219:17F:O2	0.49	2.60	8	1
5:D:545:7Q9:O32	5:D:545:7Q9:C15	0.49	2.61	20	2
6:E:806:17F:H54	6:E:806:17F:H68	0.49	1.83	10	1
6:E:819:17F:H12A	6:E:820:17F:C10	0.49	2.38	10	1
6:E:819:17F:O2	6:E:819:17F:C2	0.49	2.60	11	1
2:D:322:LEU:HD23	2:E:644:LEU:HD22	0.49	1.84	12	1
6:D:534:17F:H76	5:D:538:7Q9:C313	0.49	2.37	12	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:511:17F:C30	6:E:829:17F:H78	0.49	2.38	20	1
2:D:422:LEU:HD13	5:E:876:7Q9:C318	0.49	2.38	2	3
6:E:802:17F:H4A	5:E:804:7Q9:C15	0.49	2.38	1	1
6:A:219:17F:O9	6:A:219:17F:O8	0.49	2.31	2	2
5:E:869:7Q9:C34	5:E:874:7Q9:C37	0.49	2.91	13	5
5:E:869:7Q9:C31	5:E:874:7Q9:C13	0.49	2.91	8	7
5:A:216:7Q9:C13	5:D:506:7Q9:O13	0.49	2.61	8	1
6:E:873:17F:H20	6:E:873:17F:H36	0.49	1.84	8	2
1:B:6:LEU:O	1:B:55:ILE:HA	0.49	2.08	14	3
5:E:864:7Q9:O12	5:E:874:7Q9:C32	0.49	2.61	15	3
6:E:856:17F:H2	5:E:858:7Q9:C15	0.49	2.38	10	1
6:E:873:17F:H54	6:E:873:17F:C42	0.49	2.38	10	1
5:B:209:7Q9:C313	6:D:520:17F:H64	0.49	2.38	11	1
5:E:834:7Q9:C31	6:E:839:17F:H31	0.49	2.38	16	2
3:B:201:GSP:S1G	3:B:201:GSP:PA	0.49	3.11	12	2
5:D:537:7Q9:O22	5:D:548:7Q9:C39	0.49	2.61	13	1
5:A:205:7Q9:C13	5:A:210:7Q9:O22	0.49	2.61	15	1
5:D:505:7Q9:C13	5:D:528:7Q9:O14	0.49	2.61	15	1
5:E:865:7Q9:C34	5:E:865:7Q9:O32	0.49	2.60	15	1
5:A:206:7Q9:O12	6:A:213:17F:H18A	0.49	2.07	17	1
6:D:510:17F:H49	6:D:517:17F:H38	0.49	1.82	17	1
2:E:693:HIS:HB2	5:E:864:7Q9:C39	0.49	2.38	20	2
5:E:807:7Q9:O22	5:E:815:7Q9:C13	0.49	2.61	17	1
6:D:519:17F:H69	6:D:519:17F:C29	0.49	2.38	18	2
6:A:213:17F:C34	6:A:213:17F:C10	0.49	2.88	19	1
5:E:853:7Q9:O22	5:E:853:7Q9:C3	0.48	2.59	13	6
5:D:514:7Q9:O22	5:D:514:7Q9:C1	0.48	2.60	7	3
5:D:543:7Q9:O32	6:D:552:17F:H29	0.48	2.08	2	1
2:E:642:SER:N	2:E:643:PRO:HD2	0.48	2.23	13	9
6:D:518:17F:H29	6:D:518:17F:C20	0.48	2.37	4	2
6:D:533:17F:H1	6:D:533:17F:H18A	0.48	1.85	5	1
6:A:213:17F:H41	6:A:213:17F:H61	0.48	1.82	6	1
5:E:826:7Q9:C33	5:E:845:7Q9:C36	0.48	2.91	9	4
6:A:208:17F:H65	6:A:208:17F:C22	0.48	2.37	7	1
6:A:208:17F:H58	6:A:208:17F:H64	0.48	1.85	7	1
5:E:853:7Q9:O12	5:E:853:7Q9:C15	0.48	2.61	7	1
5:E:840:7Q9:C12	5:E:866:7Q9:C34	0.48	2.91	8	1
5:E:822:7Q9:O21	5:E:822:7Q9:C15	0.48	2.61	10	1
6:D:533:17F:HN1	6:D:533:17F:C18	0.48	2.20	11	1
6:D:520:17F:H70	5:E:841:7Q9:C318	0.48	2.38	17	1
5:D:542:7Q9:C13	5:D:542:7Q9:O12	0.48	2.61	17	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:517:17F:H38	6:D:517:17F:C26	0.48	2.38	19	1
5:D:504:7Q9:O14	5:D:508:7Q9:C13	0.48	2.61	20	1
5:D:537:7Q9:O22	5:D:537:7Q9:C3	0.48	2.55	19	9
6:D:510:17F:O6	6:D:517:17F:C6	0.48	2.61	2	3
5:E:811:7Q9:O32	5:E:811:7Q9:C2	0.48	2.59	14	7
5:D:516:7Q9:C13	6:D:518:17F:O10	0.48	2.61	3	1
5:D:550:7Q9:C32	6:D:552:17F:H19	0.48	2.38	4	2
2:E:558:SER:OG	6:E:873:17F:H63	0.48	2.08	8	2
6:E:820:17F:C18	5:E:853:7Q9:C33	0.48	2.91	4	3
6:E:873:17F:H2	6:E:873:17F:O2	0.48	2.08	3	1
5:D:502:7Q9:C31	5:D:525:7Q9:C12	0.48	2.91	4	1
5:A:207:7Q9:C315	5:E:821:7Q9:C314	0.48	2.91	5	1
5:E:853:7Q9:C15	5:E:853:7Q9:O13	0.48	2.61	8	4
6:E:808:17F:H12	6:E:808:17F:C32	0.48	2.38	14	2
6:E:802:17F:C33	5:E:804:7Q9:C39	0.48	2.90	7	1
5:A:206:7Q9:C22	5:B:203:7Q9:C13	0.48	2.91	8	1
5:E:807:7Q9:C312	5:E:815:7Q9:C38	0.48	2.91	8	1
5:E:815:7Q9:O13	6:E:829:17F:H4	0.48	2.08	8	1
5:A:207:7Q9:C32	5:A:215:7Q9:C1	0.48	2.92	12	1
5:E:803:7Q9:C311	6:E:810:17F:H69	0.48	2.38	12	1
6:A:208:17F:H58	6:A:208:17F:C25	0.48	2.36	13	1
6:A:213:17F:H72	5:D:503:7Q9:C313	0.48	2.38	15	1
6:D:510:17F:C33	6:D:517:17F:H37	0.48	2.36	15	1
6:D:510:17F:C18	6:D:533:17F:C20	0.48	2.90	17	1
5:E:814:7Q9:C3	5:E:830:7Q9:O13	0.48	2.60	17	1
6:D:552:17F:C9	6:D:552:17F:C31	0.48	2.91	19	1
6:A:220:17F:H46	6:A:220:17F:C1X	0.48	2.35	20	1
6:E:802:17F:H18	6:E:802:17F:H12	0.48	1.83	20	1
6:A:213:17F:H36	6:A:213:17F:C26	0.48	2.25	1	1
2:D:389:LEU:HD11	5:D:546:7Q9:C313	0.48	2.39	2	1
6:D:518:17F:C17	6:D:518:17F:O8	0.48	2.61	3	1
5:A:216:7Q9:C318	6:D:510:17F:C24	0.48	2.90	13	3
6:D:510:17F:O7	6:D:517:17F:C11	0.48	2.61	11	3
6:D:540:17F:C8	5:D:545:7Q9:C33	0.48	2.90	4	1
6:E:808:17F:H43	6:E:810:17F:H62	0.48	1.84	4	2
6:E:820:17F:C6	5:E:837:7Q9:O22	0.48	2.62	7	3
5:A:211:7Q9:C23	6:A:213:17F:H63	0.48	2.39	7	1
6:E:871:17F:H53	5:E:872:7Q9:C315	0.48	2.38	7	1
6:A:219:17F:C31	5:E:801:7Q9:C36	0.48	2.90	10	1
5:A:217:7Q9:C14	5:D:502:7Q9:O14	0.48	2.61	11	1
5:E:821:7Q9:O21	5:E:821:7Q9:C31	0.48	2.61	19	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:D:272:TRP:CE3	6:D:540:17F:H78	0.48	2.43	14	1
5:D:543:7Q9:C35	6:D:552:17F:H73	0.48	2.38	14	2
5:E:837:7Q9:C13	5:E:855:7Q9:O14	0.48	2.62	15	1
1:B:127:THR:HG22	1:B:131:GLN:HG3	0.48	1.86	17	1
1:B:147:LYS:HE3	3:B:201:GSP:N1	0.48	2.24	18	1
5:A:217:7Q9:C36	5:D:516:7Q9:C39	0.48	2.91	6	4
5:D:516:7Q9:C14	5:D:516:7Q9:O12	0.48	2.61	1	1
6:D:520:17F:O9	6:D:520:17F:O8	0.48	2.31	1	6
5:D:532:7Q9:C2	6:D:534:17F:H34	0.48	2.39	2	1
6:D:520:17F:O10	6:D:520:17F:C6	0.48	2.51	5	1
5:A:218:7Q9:C12	6:D:511:17F:O2	0.48	2.61	19	2
6:A:213:17F:C23	6:A:213:17F:C33	0.48	2.78	7	1
6:D:517:17F:H35	6:D:533:17F:H38	0.48	1.84	7	2
6:D:518:17F:H53	6:D:518:17F:C42	0.48	2.37	10	2
5:D:516:7Q9:O11	5:D:516:7Q9:O32	0.48	2.32	8	3
6:D:510:17F:C20	6:D:533:17F:H60	0.48	2.38	9	1
5:A:211:7Q9:C15	5:A:211:7Q9:C3	0.48	2.92	10	2
6:E:842:17F:C23	6:E:842:17F:C1X	0.48	2.90	13	2
6:D:518:17F:H31	5:D:528:7Q9:O22	0.48	2.08	15	1
6:D:518:17F:H32	5:D:551:7Q9:C38	0.48	2.38	16	1
5:E:848:7Q9:O32	6:E:873:17F:H12	0.48	2.09	16	1
5:D:515:7Q9:C318	6:D:519:17F:H73	0.48	2.38	17	1
5:E:809:7Q9:C13	6:E:818:17F:O1	0.48	2.62	16	2
5:D:555:7Q9:O32	5:D:555:7Q9:C2	0.48	2.60	4	3
6:A:213:17F:C20	6:A:213:17F:O9	0.48	2.62	3	1
5:E:828:7Q9:O21	5:E:828:7Q9:O32	0.48	2.30	19	9
1:B:14:VAL:HG23	1:B:16:LYS:HG3	0.48	1.85	4	1
6:A:219:17F:O5	5:D:504:7Q9:C13	0.48	2.61	6	4
6:D:539:17F:H61	5:D:549:7Q9:O22	0.48	2.08	7	1
5:E:851:7Q9:C315	6:E:871:17F:H34	0.48	2.39	7	1
6:E:808:17F:H68	6:E:819:17F:H44	0.48	1.85	8	1
5:E:864:7Q9:O22	5:E:864:7Q9:C1	0.48	2.56	20	3
5:E:835:7Q9:C15	5:E:835:7Q9:O11	0.48	2.61	11	1
5:A:216:7Q9:O32	5:B:207:7Q9:C33	0.48	2.61	13	1
5:E:833:7Q9:C22	6:E:839:17F:C4	0.48	2.92	15	1
1:B:68:ARG:HA	1:B:71:TYR:CE2	0.48	2.43	16	1
5:D:549:7Q9:O13	5:E:801:7Q9:C3	0.48	2.61	16	1
5:D:556:7Q9:C2	5:D:556:7Q9:O32	0.48	2.56	16	1
6:E:819:17F:H30	5:E:836:7Q9:C37	0.48	2.39	17	1
6:A:220:17F:H53	6:E:810:17F:C39	0.48	2.38	18	1
5:A:206:7Q9:C11	5:A:211:7Q9:O22	0.48	2.61	2	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:510:17F:C6	6:D:517:17F:C4	0.48	2.77	2	2
6:A:208:17F:H58	6:A:208:17F:C36	0.48	2.32	3	1
5:B:205:7Q9:C314	6:B:208:17F:H65	0.48	2.38	3	1
5:E:811:7Q9:C3	5:E:826:7Q9:C35	0.48	2.91	3	1
5:D:538:7Q9:O32	5:D:538:7Q9:C21	0.48	2.61	17	5
6:D:540:17F:C33	6:D:540:17F:C1X	0.48	2.92	4	1
1:A:16:LYS:HB2	3:A:201:GSP:O2G	0.48	2.08	5	1
5:E:864:7Q9:C23	5:E:868:7Q9:C22	0.48	2.91	20	2
5:E:828:7Q9:O13	5:E:831:7Q9:C32	0.48	2.61	7	1
5:A:204:7Q9:C311	5:A:204:7Q9:C37	0.48	2.91	11	3
5:A:211:7Q9:C22	6:A:213:17F:H6A	0.48	2.38	9	1
5:E:835:7Q9:C35	6:E:856:17F:H32	0.48	2.38	9	1
5:E:870:7Q9:C14	6:E:873:17F:O4	0.48	2.62	13	2
5:A:203:7Q9:C22	5:B:203:7Q9:O32	0.48	2.62	13	2
5:D:509:7Q9:C31	5:D:509:7Q9:C1	0.48	2.91	14	1
5:E:837:7Q9:O14	5:E:855:7Q9:C15	0.48	2.62	14	1
5:A:207:7Q9:C33	5:A:215:7Q9:C2	0.48	2.91	16	1
1:A:158:THR:HA	1:A:161:ARG:HE	0.48	1.68	20	1
2:E:719:LEU:HB2	2:E:720:PRO:HD3	0.48	1.84	8	5
1:B:32:TYR:CD2	3:B:201:GSP:H5'2	0.48	2.28	2	1
6:D:510:17F:C4	6:D:517:17F:H4	0.48	2.38	2	2
5:D:543:7Q9:O22	5:D:543:7Q9:C1	0.48	2.58	14	6
6:E:873:17F:O10	6:E:873:17F:C6	0.48	2.54	5	4
6:D:539:17F:H50	6:D:539:17F:C41	0.48	2.37	13	3
5:A:218:7Q9:C11	6:D:511:17F:H4A	0.48	2.39	6	1
5:A:211:7Q9:O11	6:A:213:17F:C18	0.48	2.62	7	1
6:E:839:17F:P1	6:E:839:17F:HN1	0.48	2.32	19	3
5:E:865:7Q9:O32	5:E:865:7Q9:C2	0.48	2.54	15	4
6:E:856:17F:O10	6:E:856:17F:C6	0.48	2.59	9	2
6:E:819:17F:H5	5:E:825:7Q9:C13	0.48	2.39	10	1
5:E:870:7Q9:C22	6:E:873:17F:C10	0.48	2.86	16	3
1:A:62:GLU:HG3	1:A:63:GLU:H	0.48	1.68	12	2
5:E:823:7Q9:C14	5:E:840:7Q9:O14	0.48	2.61	15	3
6:E:806:17F:C39	5:E:817:7Q9:C317	0.48	2.92	13	1
5:D:506:7Q9:C3	5:D:506:7Q9:C11	0.48	2.91	17	1
5:E:825:7Q9:C33	6:E:842:17F:H18A	0.48	2.38	20	1
5:E:827:7Q9:C318	5:E:841:7Q9:C313	0.48	2.92	1	1
5:B:206:7Q9:C316	5:E:809:7Q9:C312	0.48	2.92	15	4
5:B:210:7Q9:C31	6:D:520:17F:H34	0.48	2.38	2	1
6:D:518:17F:C18	5:D:551:7Q9:C33	0.48	2.91	18	4
6:E:842:17F:C8	5:E:867:7Q9:O14	0.48	2.61	2	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:852:7Q9:O32	5:E:852:7Q9:O21	0.48	2.31	2	6
1:A:17:SER:HB2	3:A:201:GSP:PA	0.48	2.49	3	1
1:A:117:LYS:HB3	1:A:120:LEU:HD12	0.48	1.85	4	2
6:D:534:17F:O10	6:D:534:17F:O7	0.48	2.31	8	5
6:E:839:17F:C11	6:E:857:17F:H12	0.48	2.38	4	1
2:D:257:PHE:HE2	2:E:706:LYS:HD2	0.48	1.67	6	1
6:A:208:17F:H38	6:B:208:17F:C34	0.48	2.39	7	1
5:A:211:7Q9:O11	6:A:213:17F:H18	0.48	2.09	7	1
1:A:114:VAL:HG12	1:A:142:ILE:HB	0.48	1.86	9	1
5:B:205:7Q9:C317	6:E:812:17F:H71	0.48	2.39	10	1
5:E:833:7Q9:C2	6:E:857:17F:H6A	0.48	2.39	13	1
6:E:818:17F:H9	5:E:821:7Q9:C22	0.48	2.39	16	1
6:A:213:17F:C12	6:A:213:17F:H40	0.48	2.37	17	1
5:E:850:7Q9:O22	5:E:850:7Q9:C3	0.48	2.53	18	1
1:B:116:ASN:OD1	1:B:145:SER:HA	0.48	2.09	20	1
5:D:506:7Q9:C31	6:D:517:17F:H20A	0.48	2.38	20	1
6:D:510:17F:H58	6:D:533:17F:H66	0.48	1.85	20	1
6:D:540:17F:C33	6:D:540:17F:H36	0.48	2.38	2	3
5:D:553:7Q9:C3	5:D:553:7Q9:O22	0.48	2.54	1	1
5:E:870:7Q9:C21	6:E:873:17F:H10	0.48	2.39	2	1
6:E:802:17F:C34	5:E:804:7Q9:C39	0.48	2.92	6	3
6:E:829:17F:N1	5:E:852:7Q9:O13	0.48	2.47	3	1
6:E:875:17F:H49	6:E:875:17F:H78	0.48	1.86	3	1
5:B:204:7Q9:C22	5:B:207:7Q9:C310	0.48	2.91	11	3
6:E:819:17F:H48	6:E:819:17F:C42	0.48	2.37	5	1
6:E:842:17F:O5	5:E:877:7Q9:C13	0.48	2.62	5	1
6:A:219:17F:H6A	6:A:219:17F:O10	0.48	2.08	8	4
6:A:213:17F:C34	6:A:213:17F:H39	0.48	2.39	8	1
6:A:213:17F:HN1	6:A:213:17F:H19A	0.48	1.67	9	1
5:B:209:7Q9:C315	5:E:823:7Q9:C314	0.48	2.91	12	3
5:E:849:7Q9:O22	5:E:849:7Q9:C1	0.48	2.57	20	6
5:D:544:7Q9:C14	5:D:544:7Q9:O32	0.48	2.62	12	2
6:A:219:17F:O8	6:A:219:17F:C19	0.48	2.62	13	2
6:E:802:17F:O2	5:E:807:7Q9:C12	0.48	2.61	18	1
6:A:213:17F:H37	5:D:509:7Q9:C3	0.48	2.39	19	1
5:E:846:7Q9:O32	5:E:846:7Q9:C2	0.48	2.56	1	4
5:E:867:7Q9:O31	5:E:867:7Q9:C21	0.48	2.61	2	19
5:D:506:7Q9:O32	5:D:506:7Q9:C2	0.48	2.60	16	6
6:E:856:17F:H38	6:E:856:17F:C38	0.48	2.39	2	3
5:B:207:7Q9:C1	5:B:207:7Q9:O32	0.48	2.61	3	1
6:E:839:17F:H68	6:E:857:17F:C24	0.48	2.37	3	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:854:7Q9:O14	5:E:854:7Q9:C12	0.48	2.62	3	2
5:E:838:7Q9:C14	6:E:842:17F:H18	0.48	2.38	5	1
5:D:553:7Q9:O22	5:D:553:7Q9:C3	0.48	2.55	6	4
6:A:213:17F:C34	6:A:213:17F:H11	0.48	2.38	7	1
2:E:656:VAL:CG1	6:E:857:17F:H64	0.48	2.38	7	2
6:A:213:17F:O9	6:A:213:17F:O1	0.48	2.32	8	2
6:E:808:17F:H68	6:E:819:17F:C25	0.48	2.39	8	1
5:E:849:7Q9:C312	5:E:852:7Q9:C34	0.48	2.92	8	1
6:D:520:17F:H19A	6:D:520:17F:C10	0.48	2.39	9	2
5:E:864:7Q9:O12	5:E:864:7Q9:C15	0.48	2.61	15	1
5:D:550:7Q9:C12	6:D:552:17F:O5	0.48	2.62	18	1
1:B:112:VAL:HG22	1:B:140:PRO:HG2	0.48	1.84	20	1
5:D:514:7Q9:O12	5:D:514:7Q9:C15	0.47	2.62	13	3
5:A:215:7Q9:O32	5:A:215:7Q9:O21	0.47	2.32	14	4
6:A:220:17F:H10A	6:A:220:17F:H63	0.47	1.84	11	2
5:E:821:7Q9:O13	5:E:821:7Q9:C12	0.47	2.62	2	7
6:D:517:17F:H2	6:D:517:17F:H19	0.47	1.85	3	1
6:D:510:17F:O8	6:D:517:17F:C19	0.47	2.50	4	1
6:D:510:17F:C10	6:D:517:17F:H8A	0.47	2.35	16	3
5:D:555:7Q9:C12	5:E:833:7Q9:O22	0.47	2.62	4	2
6:D:510:17F:H29	6:D:517:17F:H8	0.47	1.86	5	1
6:E:808:17F:H74	6:E:808:17F:C29	0.47	2.39	20	2
6:D:518:17F:C17	5:D:551:7Q9:C33	0.47	2.91	19	3
2:D:327:GLN:HG3	6:D:534:17F:C42	0.47	2.39	8	1
5:A:217:7Q9:C35	5:D:516:7Q9:C39	0.47	2.91	10	1
6:E:819:17F:O1	5:E:838:7Q9:C11	0.47	2.62	11	1
5:B:203:7Q9:C23	5:B:204:7Q9:O31	0.47	2.62	12	1
5:D:543:7Q9:O32	5:D:543:7Q9:C2	0.47	2.58	20	2
6:A:213:17F:H11	5:D:503:7Q9:C23	0.47	2.38	16	1
5:B:210:7Q9:C318	5:E:823:7Q9:C38	0.47	2.92	16	1
6:A:219:17F:H4	6:A:219:17F:C2	0.47	2.39	17	1
6:E:818:17F:H40	6:E:818:17F:H30	0.47	1.86	20	1
6:A:213:17F:H38	6:A:213:17F:C20	0.47	2.38	1	1
5:D:543:7Q9:C318	5:E:872:7Q9:C315	0.47	2.93	3	1
2:E:664:ALA:HB3	2:E:665:PRO:HD3	0.47	1.85	3	1
5:D:530:7Q9:O22	5:D:530:7Q9:C1	0.47	2.58	19	7
5:A:205:7Q9:C316	6:E:806:17F:H53	0.47	2.39	5	1
5:E:803:7Q9:C3	6:E:810:17F:O1	0.47	2.62	5	1
5:E:804:7Q9:C311	5:E:815:7Q9:C38	0.47	2.92	5	2
6:E:829:17F:H11	5:E:833:7Q9:C37	0.47	2.39	5	1
5:A:218:7Q9:C31	5:A:218:7Q9:C21	0.47	2.92	7	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:510:17F:O3	6:D:517:17F:H6	0.47	2.09	19	3
5:D:514:7Q9:C32	5:D:516:7Q9:C37	0.47	2.92	8	1
2:E:634:LEU:HG	5:E:863:7Q9:C312	0.47	2.40	12	1
1:A:4:TYR:CD2	1:A:51:CYS:HB3	0.47	2.45	15	2
6:E:820:17F:H20	5:E:830:7Q9:C11	0.47	2.39	13	1
6:E:808:17F:C30	6:E:819:17F:H76	0.47	2.38	15	1
5:D:543:7Q9:C316	6:E:871:17F:H52	0.47	2.38	16	1
6:E:808:17F:H68	6:E:819:17F:C22	0.47	2.39	17	1
6:E:875:17F:H18A	6:E:875:17F:N1	0.47	2.23	20	1
5:E:833:7Q9:C14	6:E:857:17F:O8	0.47	2.62	2	1
1:B:113:LEU:O	1:B:141:PHE:HA	0.47	2.08	3	1
5:E:837:7Q9:O21	5:E:837:7Q9:C31	0.47	2.62	9	13
5:A:217:7Q9:O14	5:A:217:7Q9:C2	0.47	2.62	8	3
5:D:502:7Q9:O21	5:D:502:7Q9:O14	0.47	2.33	20	7
6:D:510:17F:H11A	6:D:517:17F:H8A	0.47	1.85	14	2
1:B:127:THR:O	1:B:131:GLN:HG3	0.47	2.10	16	2
5:B:209:7Q9:C318	5:E:824:7Q9:C314	0.47	2.92	9	2
6:E:873:17F:H44	6:E:873:17F:C33	0.47	2.39	9	3
1:A:83:ALA:HB3	1:A:86:ASN:HB3	0.47	1.84	12	1
5:E:803:7Q9:C22	6:E:806:17F:C1Z	0.47	2.92	12	1
6:E:808:17F:O5	5:E:814:7Q9:C14	0.47	2.62	12	1
5:A:210:7Q9:C38	5:A:210:7Q9:C22	0.47	2.93	19	2
6:A:220:17F:O10	6:A:220:17F:C4	0.47	2.59	13	2
5:E:822:7Q9:C15	5:E:822:7Q9:C3	0.47	2.92	13	1
5:D:509:7Q9:C1	5:D:509:7Q9:O32	0.47	2.62	14	1
5:E:826:7Q9:C318	5:E:845:7Q9:C313	0.47	2.93	14	1
5:A:203:7Q9:C317	6:E:802:17F:H76	0.47	2.40	15	1
6:D:517:17F:H41	6:D:533:17F:C23	0.47	2.40	15	1
5:D:556:7Q9:O14	5:E:854:7Q9:C15	0.47	2.62	15	1
6:E:820:17F:H65	5:E:837:7Q9:C37	0.47	2.39	15	1
6:D:510:17F:H48	6:D:510:17F:C34	0.47	2.39	17	1
6:E:839:17F:H33	6:E:839:17F:C2X	0.47	2.35	17	1
6:E:875:17F:H66	6:E:875:17F:H46	0.47	1.86	17	1
6:A:208:17F:H71	6:A:208:17F:H54	0.47	1.84	18	1
1:A:7:VAL:HG11	1:A:71:TYR:CD2	0.47	2.44	19	1
5:B:203:7Q9:C3	5:B:204:7Q9:C15	0.47	2.92	19	1
5:D:554:7Q9:C32	5:E:832:7Q9:C22	0.47	2.92	19	1
6:B:208:17F:H46	5:E:824:7Q9:C316	0.47	2.39	20	1
5:E:804:7Q9:O32	6:E:808:17F:H9	0.47	2.09	20	1
5:E:834:7Q9:C11	6:E:839:17F:H2	0.47	2.38	20	1
5:A:204:7Q9:C34	5:A:211:7Q9:C37	0.47	2.93	1	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:A:208:17F:O4	5:A:212:7Q9:C12	0.47	2.63	1	1
5:A:211:7Q9:O22	5:A:211:7Q9:C1	0.47	2.60	8	8
6:D:520:17F:H59	6:D:520:17F:C36	0.47	2.39	5	2
5:A:211:7Q9:C13	5:A:211:7Q9:O32	0.47	2.63	10	4
1:B:16:LYS:HB2	3:B:201:GSP:PG	0.47	2.49	3	1
2:D:322:LEU:O	2:D:326:LEU:HG	0.47	2.09	3	2
6:D:540:17F:O10	6:D:540:17F:H4	0.47	2.09	17	3
6:E:808:17F:H66	5:E:814:7Q9:C310	0.47	2.40	4	1
1:A:47:ASP:OD2	1:A:161:ARG:HD2	0.47	2.10	5	2
6:D:518:17F:C20	6:D:518:17F:C1X	0.47	2.93	20	2
5:E:828:7Q9:O22	5:E:828:7Q9:C1	0.47	2.55	16	5
6:A:219:17F:H52	5:E:828:7Q9:C318	0.47	2.39	6	1
5:E:821:7Q9:C3	6:E:839:17F:O9	0.47	2.62	6	1
1:A:118:CYS:SG	1:A:143:GLU:HB3	0.47	2.49	8	2
5:D:506:7Q9:C1	5:D:506:7Q9:O22	0.47	2.56	8	5
5:E:822:7Q9:O12	5:E:822:7Q9:C15	0.47	2.62	10	1
6:A:208:17F:C36	6:A:208:17F:H35	0.47	2.39	16	2
6:B:208:17F:O8	6:B:208:17F:H4	0.47	2.08	11	1
6:E:871:17F:C11	5:E:872:7Q9:O14	0.47	2.62	11	1
6:A:208:17F:H54	6:A:208:17F:H70	0.47	1.84	12	1
2:D:349:ARG:HD3	5:D:527:7Q9:C39	0.47	2.39	12	1
5:D:527:7Q9:C37	5:D:527:7Q9:C311	0.47	2.89	13	2
5:E:813:7Q9:C14	5:E:817:7Q9:O22	0.47	2.62	15	1
6:E:839:17F:H52	5:E:858:7Q9:C311	0.47	2.40	15	1
5:D:512:7Q9:O22	5:D:536:7Q9:C15	0.47	2.62	17	1
5:A:205:7Q9:O32	5:A:205:7Q9:O21	0.47	2.32	19	1
2:D:268:THR:HG23	2:E:695:LYS:HD2	0.47	1.86	19	1
6:D:511:17F:H10	5:D:513:7Q9:C12	0.47	2.39	20	1
5:E:835:7Q9:C15	6:E:856:17F:O5	0.47	2.62	1	1
5:E:855:7Q9:C14	5:E:855:7Q9:O11	0.47	2.63	2	7
5:E:858:7Q9:O22	5:E:858:7Q9:C1	0.47	2.60	6	7
6:E:802:17F:C42	6:E:802:17F:C28	0.47	2.92	2	3
5:D:549:7Q9:C318	5:E:876:7Q9:C311	0.47	2.92	3	1
6:E:873:17F:H19	6:E:873:17F:H30	0.47	1.85	10	2
6:A:208:17F:C26	6:A:208:17F:H64	0.47	2.39	5	1
5:D:502:7Q9:C21	5:D:502:7Q9:O31	0.47	2.63	5	2
6:E:839:17F:C39	6:E:875:17F:H53	0.47	2.39	5	1
6:D:510:17F:H8	6:D:517:17F:C18	0.47	2.39	10	2
1:B:134:ALA:HB1	1:B:139:ILE:O	0.47	2.09	17	2
1:A:146:ALA:N	3:A:201:GSP:O6	0.47	2.48	14	7
5:D:555:7Q9:C1	5:E:852:7Q9:C22	0.47	2.93	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:510:17F:H58	6:D:517:17F:H37	0.47	1.84	11	1
6:E:857:17F:H11A	6:E:875:17F:O10	0.47	2.09	12	1
2:D:326:LEU:HD22	2:E:637:LEU:HG	0.47	1.87	17	1
6:E:839:17F:H8	6:E:857:17F:C21	0.47	2.39	19	1
6:E:839:17F:O8	6:E:857:17F:H12	0.47	2.10	19	1
6:D:534:17F:C23	5:D:538:7Q9:C316	0.47	2.93	20	1
5:D:523:7Q9:O14	5:D:523:7Q9:C12	0.47	2.62	8	3
5:E:824:7Q9:C1	5:E:824:7Q9:O22	0.47	2.58	15	4
5:E:803:7Q9:C315	6:E:810:17F:H66	0.47	2.40	3	3
1:A:127:THR:HG22	1:A:131:GLN:HG3	0.47	1.86	4	2
6:B:208:17F:C10	5:B:209:7Q9:C37	0.47	2.93	4	1
6:A:213:17F:H66	6:A:213:17F:C26	0.47	2.37	5	1
5:E:807:7Q9:C1	5:E:807:7Q9:O22	0.47	2.60	5	1
6:E:871:17F:C21	6:E:871:17F:H58	0.47	2.40	5	2
5:E:877:7Q9:O32	5:E:877:7Q9:O21	0.47	2.33	5	1
5:E:859:7Q9:O22	5:E:859:7Q9:C1	0.47	2.60	15	6
2:D:414:LEU:HD21	2:E:740:LEU:HD23	0.47	1.86	7	3
2:E:722:LEU:HG	2:E:726:LYS:HE3	0.47	1.86	9	1
6:A:213:17F:H68	6:A:213:17F:C30	0.47	2.33	10	1
5:D:506:7Q9:O31	6:D:517:17F:H18A	0.47	2.10	10	1
6:D:540:17F:C8	5:D:545:7Q9:C313	0.47	2.93	10	1
6:E:873:17F:H54	6:E:873:17F:H76	0.47	1.85	10	1
5:A:214:7Q9:C35	5:A:218:7Q9:C34	0.47	2.92	13	1
6:E:839:17F:C23	6:E:839:17F:C1Z	0.47	2.92	14	3
6:A:220:17F:O4	5:D:515:7Q9:C13	0.47	2.63	17	1
5:D:503:7Q9:C317	6:E:842:17F:H74	0.47	2.39	17	1
6:D:510:17F:H57	5:D:530:7Q9:C310	0.47	2.39	17	1
6:D:510:17F:H50	6:D:517:17F:H39	0.47	1.85	18	1
6:D:534:17F:C37	6:D:534:17F:C21	0.47	2.93	18	1
6:E:875:17F:H18A	6:E:875:17F:O4	0.47	2.10	19	1
6:A:219:17F:O10	6:D:518:17F:C8	0.47	2.63	20	1
5:D:549:7Q9:C23	5:D:549:7Q9:C35	0.47	2.93	20	1
2:D:399:HIS:CE1	2:E:564:LEU:HB2	0.47	2.45	17	5
5:D:509:7Q9:O32	5:D:509:7Q9:C1	0.47	2.63	1	1
6:D:510:17F:C5	6:D:517:17F:H9A	0.47	2.38	17	5
5:D:513:7Q9:C312	6:D:534:17F:H71	0.47	2.40	1	1
5:D:515:7Q9:O13	5:D:525:7Q9:C12	0.47	2.62	17	2
6:E:812:17F:O6	6:E:812:17F:C7	0.47	2.63	1	4
5:E:821:7Q9:C14	5:E:821:7Q9:O12	0.47	2.63	1	2
5:E:864:7Q9:C35	5:E:864:7Q9:C31	0.47	2.92	12	13
5:D:506:7Q9:C318	6:E:839:17F:H76	0.47	2.39	2	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:814:7Q9:C15	5:E:814:7Q9:O12	0.47	2.63	3	5
5:E:823:7Q9:C14	5:E:823:7Q9:P	0.47	3.03	2	1
6:A:213:17F:O1	6:A:213:17F:O7	0.47	2.32	3	1
6:D:510:17F:O10	6:D:533:17F:C19	0.47	2.63	12	3
5:E:827:7Q9:C14	5:E:850:7Q9:C13	0.47	2.92	16	2
5:E:854:7Q9:C13	5:E:854:7Q9:P	0.47	3.03	3	5
5:E:860:7Q9:C311	5:E:860:7Q9:C37	0.47	2.89	3	1
6:E:873:17F:H19	6:E:873:17F:H29	0.47	1.85	3	2
6:E:820:17F:H20	5:E:830:7Q9:O11	0.47	2.09	4	1
6:D:517:17F:H36	6:D:533:17F:H38	0.47	1.86	5	2
6:E:806:17F:H4A	5:E:811:7Q9:C14	0.47	2.39	5	1
5:E:830:7Q9:C38	5:E:853:7Q9:C311	0.47	2.93	5	1
5:A:207:7Q9:O14	5:B:203:7Q9:C14	0.47	2.63	15	2
5:D:545:7Q9:O22	5:D:545:7Q9:C3	0.47	2.60	17	10
5:A:210:7Q9:C315	6:A:220:17F:H45	0.47	2.40	7	2
1:B:72:MET:HA	1:B:78:PHE:CZ	0.47	2.45	7	3
6:D:517:17F:H74	6:D:533:17F:H53	0.47	1.85	11	2
6:A:220:17F:H1A	5:D:503:7Q9:C14	0.47	2.40	10	1
6:D:517:17F:C28	6:D:517:17F:H70	0.47	2.40	10	1
5:D:525:7Q9:C14	5:D:525:7Q9:O11	0.47	2.63	10	1
6:E:806:17F:H69	5:E:817:7Q9:C317	0.47	2.39	19	2
5:A:217:7Q9:C14	5:D:502:7Q9:C22	0.47	2.92	11	1
6:B:208:17F:H61	6:B:208:17F:H53	0.47	1.86	13	1
6:B:208:17F:H61	6:B:208:17F:H55	0.47	1.85	13	1
2:D:366:TYR:HD1	2:E:597:VAL:HG13	0.47	1.70	13	1
5:E:822:7Q9:O12	5:E:822:7Q9:O21	0.47	2.33	15	2
6:D:534:17F:O2	5:D:538:7Q9:C14	0.47	2.62	15	1
5:A:211:7Q9:C314	6:A:220:17F:H33	0.47	2.40	16	1
6:D:511:17F:H66	6:D:511:17F:H40	0.47	1.86	16	1
6:E:808:17F:H69	6:E:820:17F:C21	0.47	2.39	16	1
6:D:510:17F:C41	6:E:857:17F:H48	0.47	2.39	17	1
6:D:552:17F:C31	6:D:552:17F:H9A	0.47	2.39	19	1
5:E:809:7Q9:C312	5:E:827:7Q9:C316	0.47	2.93	20	1
2:D:265:GLY:HA2	2:E:699:HIS:HE1	0.47	1.69	14	3
5:D:502:7Q9:O31	5:D:502:7Q9:C21	0.47	2.63	10	12
5:E:830:7Q9:O13	5:E:830:7Q9:C2	0.47	2.62	17	5
5:E:838:7Q9:C15	5:E:838:7Q9:O11	0.47	2.62	20	8
2:D:440:LEU:HD11	5:D:543:7Q9:C314	0.47	2.40	3	1
5:D:501:7Q9:O13	5:D:521:7Q9:C13	0.47	2.63	3	1
6:D:534:17F:C2X	5:D:538:7Q9:C315	0.47	2.88	3	1
1:A:33:ASP:O	3:A:201:GSP:S1G	0.47	2.73	16	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:47:ASP:CA	1:B:128:LYS:HB3	0.47	2.35	4	1
5:E:855:7Q9:O32	5:E:855:7Q9:O21	0.47	2.33	17	5
6:D:539:17F:H43	6:D:539:17F:H67	0.47	1.85	13	2
5:E:825:7Q9:C33	6:E:842:17F:C20	0.47	2.89	20	2
1:B:126:ASP:OD2	1:B:128:LYS:HG2	0.47	2.09	19	2
5:A:209:7Q9:C15	5:A:218:7Q9:O13	0.47	2.62	11	2
5:A:206:7Q9:C316	6:E:802:17F:H69	0.47	2.40	13	1
2:E:633:LYS:HB3	5:E:878:7Q9:C317	0.47	2.40	15	1
6:E:820:17F:H48	6:E:820:17F:C38	0.47	2.38	15	1
6:A:213:17F:H68	6:A:213:17F:C29	0.47	2.38	16	1
6:D:533:17F:H77	6:D:533:17F:C30	0.47	2.31	16	1
5:D:537:7Q9:C13	5:D:546:7Q9:C11	0.47	2.93	16	1
2:D:333:LYS:HE3	5:D:538:7Q9:C314	0.47	2.39	17	1
5:E:849:7Q9:O22	5:E:849:7Q9:C13	0.47	2.63	20	2
6:D:510:17F:C6	6:D:517:17F:H9A	0.47	2.39	17	4
6:E:802:17F:O7	6:E:802:17F:O6	0.47	2.32	20	5
5:A:206:7Q9:C15	5:A:211:7Q9:O22	0.47	2.63	3	2
6:D:519:17F:O8	6:D:519:17F:O9	0.47	2.33	11	4
5:D:554:7Q9:O32	5:E:832:7Q9:C22	0.47	2.63	7	3
5:E:844:7Q9:C1	5:E:845:7Q9:C34	0.47	2.92	4	2
2:D:418:LEU:HD23	2:E:739:LYS:HD2	0.47	1.87	7	2
5:B:210:7Q9:C14	6:D:520:17F:O4	0.47	2.62	6	1
6:D:540:17F:H76	2:E:692:TYR:CE2	0.47	2.42	9	1
5:A:218:7Q9:C39	6:D:511:17F:H35	0.47	2.40	10	1
6:A:213:17F:H43	6:A:213:17F:C37	0.47	2.39	11	1
5:A:218:7Q9:C316	5:E:814:7Q9:C318	0.47	2.93	12	1
6:A:220:17F:H47	6:A:220:17F:H77	0.47	1.85	12	1
2:D:373:ARG:O	2:D:377:ARG:HG3	0.47	2.10	12	1
6:D:510:17F:C7	6:D:517:17F:H4A	0.47	2.40	20	2
6:E:802:17F:C36	5:E:804:7Q9:C39	0.47	2.93	14	1
5:E:836:7Q9:O31	5:E:838:7Q9:C23	0.47	2.63	14	1
6:E:839:17F:H52	5:E:858:7Q9:C310	0.47	2.40	15	1
1:A:46:ILE:HG21	1:A:160:VAL:HG21	0.47	1.85	16	1
6:D:510:17F:C18	6:D:517:17F:C10	0.47	2.82	16	1
1:B:84:ILE:HD11	1:B:118:CYS:HA	0.47	1.87	17	1
5:D:503:7Q9:C3	6:D:519:17F:O2	0.47	2.63	17	1
6:D:511:17F:H43	5:D:513:7Q9:C317	0.47	2.40	17	1
6:D:539:17F:O10	5:D:549:7Q9:O11	0.47	2.32	20	1
5:D:538:7Q9:C15	5:D:538:7Q9:P	0.47	3.03	17	2
1:A:142:ILE:HD13	1:A:155:ALA:HA	0.47	1.86	2	1
6:D:518:17F:H18	5:D:551:7Q9:C33	0.47	2.40	2	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:815:7Q9:O21	5:E:815:7Q9:C31	0.47	2.63	3	14
5:D:554:7Q9:C21	5:E:817:7Q9:C22	0.47	2.93	3	1
5:E:803:7Q9:C317	6:E:810:17F:H69	0.47	2.40	7	3
5:E:851:7Q9:C315	6:E:871:17F:H20	0.47	2.40	7	2
1:B:14:VAL:CG2	1:B:16:LYS:HG3	0.47	2.40	4	2
1:A:72:MET:SD	1:A:100:ILE:HA	0.47	2.50	5	1
5:D:516:7Q9:O22	5:D:537:7Q9:C14	0.47	2.63	6	1
5:A:217:7Q9:C35	5:D:516:7Q9:C38	0.47	2.93	7	1
5:A:207:7Q9:O14	5:B:203:7Q9:C13	0.47	2.63	13	1
5:D:554:7Q9:O21	5:D:554:7Q9:C31	0.47	2.63	14	1
1:A:46:ILE:HD13	1:A:160:VAL:HG21	0.47	1.86	20	1
6:A:220:17F:H52	6:A:220:17F:C39	0.46	2.40	2	1
6:E:842:17F:H9A	5:E:867:7Q9:O14	0.46	2.09	2	1
6:E:839:17F:N1	6:E:839:17F:P1	0.46	2.88	11	2
5:E:853:7Q9:O22	5:E:859:7Q9:C13	0.46	2.63	11	3
1:B:24:ILE:HG13	1:B:40:TYR:CD2	0.46	2.46	4	1
2:D:305:GLN:HA	2:D:308:TRP:HE3	0.46	1.70	4	1
5:D:502:7Q9:C34	5:D:525:7Q9:C22	0.46	2.93	20	3
6:E:802:17F:H35	6:E:802:17F:C24	0.46	2.36	5	5
6:D:533:17F:H11	5:D:541:7Q9:C35	0.46	2.40	6	1
5:A:215:7Q9:C34	6:D:511:17F:H68	0.46	2.40	9	1
6:E:812:17F:H6A	6:E:812:17F:O10	0.46	2.10	9	1
2:D:388:ARG:HB3	2:E:572:TRP:HZ3	0.46	1.70	12	1
5:A:217:7Q9:O14	5:A:217:7Q9:C12	0.46	2.63	16	1
5:B:205:7Q9:C315	6:E:812:17F:H75	0.46	2.40	18	1
1:A:84:ILE:HB	1:A:123:ARG:HB2	0.46	1.87	19	1
1:A:84:ILE:HD13	1:A:118:CYS:HA	0.46	1.87	2	5
6:A:220:17F:C35	6:A:220:17F:H32	0.46	2.41	2	1
5:D:530:7Q9:C12	5:D:532:7Q9:C33	0.46	2.93	2	1
5:E:809:7Q9:C22	5:E:809:7Q9:C35	0.46	2.93	11	2
1:A:16:LYS:HA	1:A:19:LEU:HD12	0.46	1.88	3	1
5:A:204:7Q9:C11	5:A:205:7Q9:C22	0.46	2.94	3	2
5:E:841:7Q9:O22	5:E:874:7Q9:C37	0.46	2.63	4	2
5:A:212:7Q9:C34	5:D:505:7Q9:C34	0.46	2.93	7	2
5:D:513:7Q9:C312	6:D:534:17F:H64	0.46	2.39	5	1
5:D:543:7Q9:C32	6:D:552:17F:C1X	0.46	2.93	5	1
6:D:511:17F:H37	5:D:513:7Q9:C315	0.46	2.39	8	1
5:A:207:7Q9:C22	5:B:203:7Q9:C22	0.46	2.94	9	2
6:D:510:17F:H43	6:D:517:17F:H64	0.46	1.88	18	3
5:D:509:7Q9:C33	5:D:509:7Q9:O13	0.46	2.62	13	1
5:D:524:7Q9:C13	6:D:539:17F:O1	0.46	2.63	13	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:821:7Q9:C3	6:E:839:17F:H6	0.46	2.41	13	1
5:D:554:7Q9:O21	5:D:554:7Q9:O32	0.46	2.32	14	1
2:E:652:ALA:O	2:E:656:VAL:HG23	0.46	2.09	14	2
5:E:804:7Q9:C15	5:E:807:7Q9:C3	0.46	2.93	14	1
5:E:869:7Q9:C36	5:E:874:7Q9:C38	0.46	2.93	14	1
6:D:510:17F:C20	6:D:517:17F:C10	0.46	2.78	15	1
5:E:834:7Q9:C312	6:E:839:17F:H54	0.46	2.39	16	1
6:A:213:17F:C11	6:A:213:17F:H40	0.46	2.40	17	1
5:D:523:7Q9:C3	6:D:552:17F:H20A	0.46	2.40	20	1
1:B:15:GLY:CA	3:B:201:GSP:C8	0.46	2.98	3	2
6:D:520:17F:H6A	5:D:545:7Q9:C38	0.46	2.40	1	1
5:D:541:7Q9:C14	5:D:541:7Q9:C1	0.46	2.93	5	4
6:E:839:17F:H8A	6:E:857:17F:C21	0.46	2.40	2	1
5:A:203:7Q9:C37	6:A:208:17F:H8A	0.46	2.40	3	1
6:A:208:17F:H41	6:A:208:17F:H57	0.46	1.88	3	1
5:B:207:7Q9:C14	5:D:506:7Q9:O14	0.46	2.64	5	2
6:D:520:17F:H47	6:D:520:17F:C39	0.46	2.38	3	2
6:E:819:17F:C23	5:E:836:7Q9:C37	0.46	2.93	3	1
5:E:849:7Q9:C36	5:E:852:7Q9:O31	0.46	2.63	3	1
6:D:534:17F:H18A	5:D:538:7Q9:C35	0.46	2.41	5	1
6:E:808:17F:H57	6:E:820:17F:C12	0.46	2.40	7	2
5:A:211:7Q9:O22	6:A:213:17F:C31	0.46	2.64	7	1
5:E:859:7Q9:C23	5:E:878:7Q9:C38	0.46	2.93	20	3
1:A:128:LYS:HB3	1:B:47:ASP:HA	0.46	1.87	8	2
6:D:510:17F:H77	6:D:517:17F:H75	0.46	1.87	8	2
5:E:834:7Q9:C314	6:E:839:17F:H53	0.46	2.41	8	1
6:A:208:17F:C42	5:E:805:7Q9:C318	0.46	2.93	19	2
1:B:163:ILE:HG22	1:B:167:LYS:HE2	0.46	1.88	9	1
5:D:514:7Q9:C13	5:D:525:7Q9:O22	0.46	2.63	9	2
5:E:833:7Q9:C23	6:E:839:17F:H6A	0.46	2.40	10	2
5:D:514:7Q9:O12	5:D:514:7Q9:C21	0.46	2.63	14	1
6:E:839:17F:H8A	6:E:857:17F:H41	0.46	1.87	15	1
5:D:524:7Q9:C14	6:D:539:17F:O5	0.46	2.63	16	1
6:D:540:17F:C1X	6:D:540:17F:C36	0.46	2.93	16	1
6:E:802:17F:O4	5:E:807:7Q9:C14	0.46	2.63	16	1
2:E:605:GLN:HG3	2:E:606:LYS:N	0.46	2.26	17	1
6:A:220:17F:H77	6:A:220:17F:H42	0.46	1.86	18	1
1:B:5:LYS:HB2	1:B:76:GLU:HG3	0.46	1.87	18	1
2:E:593:VAL:HA	2:E:596:LYS:HE2	0.46	1.86	20	1
6:D:540:17F:C34	6:D:540:17F:C2X	0.46	2.94	2	2
6:E:839:17F:H57	6:E:839:17F:C36	0.46	2.37	2	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:510:17F:H56	6:D:517:17F:H12A	0.46	1.86	3	1
6:D:518:17F:O8	6:D:518:17F:O9	0.46	2.33	3	1
1:A:82:PHE:HB3	1:A:93:ILE:HD11	0.46	1.88	4	1
5:E:870:7Q9:C15	5:E:870:7Q9:O14	0.46	2.63	10	11
5:D:506:7Q9:C316	5:E:834:7Q9:C314	0.46	2.94	5	1
5:E:831:7Q9:C317	6:E:871:17F:H50	0.46	2.41	5	1
2:D:363:LEU:HD21	5:E:877:7Q9:C314	0.46	2.41	6	1
6:E:829:17F:C8	5:E:833:7Q9:C33	0.46	2.93	6	1
1:A:158:THR:O	1:A:162:GLU:HG2	0.46	2.09	7	1
5:D:550:7Q9:C14	6:D:552:17F:H1	0.46	2.41	8	1
5:D:542:7Q9:C21	5:D:542:7Q9:O14	0.46	2.64	9	2
1:A:131:GLN:HG2	1:A:141:PHE:CD2	0.46	2.45	10	1
5:E:816:7Q9:O32	5:E:816:7Q9:C11	0.46	2.64	10	1
6:D:519:17F:H66	6:D:519:17F:C25	0.46	2.35	12	1
6:A:213:17F:C12	6:A:213:17F:O2	0.46	2.63	13	1
2:D:256:THR:O	2:D:260:LEU:HG	0.46	2.10	13	2
6:A:219:17F:O8	5:D:505:7Q9:C34	0.46	2.64	14	1
5:A:206:7Q9:C15	5:A:211:7Q9:O13	0.46	2.64	15	1
5:A:212:7Q9:O13	5:A:217:7Q9:C22	0.46	2.63	15	1
6:A:213:17F:H34	6:A:213:17F:C21	0.46	2.22	16	2
5:E:840:7Q9:C37	5:E:841:7Q9:C23	0.46	2.94	15	1
2:D:404:SER:HB3	5:D:548:7Q9:C315	0.46	2.40	16	1
6:D:552:17F:C37	6:D:552:17F:H41	0.46	2.41	17	1
6:A:220:17F:H47	6:A:220:17F:C33	0.46	2.40	19	1
6:D:511:17F:O4	5:D:513:7Q9:C14	0.46	2.63	20	1
5:B:203:7Q9:O22	5:B:203:7Q9:C1	0.46	2.60	1	4
6:D:510:17F:H1	6:D:517:17F:H4	0.46	1.86	1	1
5:D:530:7Q9:O21	5:D:530:7Q9:C31	0.46	2.64	12	5
5:E:803:7Q9:C316	6:E:810:17F:H72	0.46	2.41	8	3
5:B:206:7Q9:C318	6:E:812:17F:C42	0.46	2.91	3	1
6:E:810:17F:O7	6:E:810:17F:C17	0.46	2.63	10	9
6:A:213:17F:H29	5:D:509:7Q9:C22	0.46	2.41	5	1
5:E:807:7Q9:C35	5:E:807:7Q9:C311	0.46	2.93	13	3
5:E:828:7Q9:O13	5:E:831:7Q9:C33	0.46	2.64	9	2
5:B:205:7Q9:C22	5:B:209:7Q9:C3	0.46	2.93	6	1
2:D:333:LYS:HB2	2:D:333:LYS:NZ	0.46	2.25	7	1
6:D:533:17F:H46	6:D:533:17F:C42	0.46	2.37	8	1
5:D:544:7Q9:O32	5:D:544:7Q9:C12	0.46	2.63	9	2
5:D:546:7Q9:C318	5:D:556:7Q9:C316	0.46	2.94	9	1
6:E:871:17F:H58	6:E:871:17F:H35	0.46	1.86	9	2
1:B:78:PHE:HB2	1:B:111:MET:HG3	0.46	1.87	10	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:A:206:7Q9:C15	6:A:213:17F:O10	0.46	2.64	11	1
5:E:860:7Q9:O32	5:E:860:7Q9:C23	0.46	2.64	15	2
1:B:15:GLY:HA3	3:B:201:GSP:C8	0.46	2.45	15	2
6:E:839:17F:C8	6:E:857:17F:H41	0.46	2.41	15	1
5:E:834:7Q9:C15	6:E:856:17F:O5	0.46	2.63	16	1
6:D:510:17F:C17	6:D:533:17F:C20	0.46	2.93	17	1
6:A:208:17F:O2	6:A:208:17F:C10	0.46	2.63	20	1
1:A:17:SER:N	3:A:201:GSP:O1A	0.46	2.49	1	2
5:E:801:7Q9:C13	5:E:801:7Q9:P	0.46	3.04	11	6
5:E:821:7Q9:C14	5:E:821:7Q9:P	0.46	3.03	12	7
5:E:823:7Q9:O31	5:E:823:7Q9:C21	0.46	2.64	10	7
6:E:873:17F:C20	6:E:873:17F:C1X	0.46	2.94	4	2
6:A:220:17F:O2	5:D:503:7Q9:C14	0.46	2.63	2	1
5:D:514:7Q9:C14	5:D:514:7Q9:O22	0.46	2.63	2	1
5:E:836:7Q9:C22	5:E:837:7Q9:C22	0.46	2.93	2	1
5:B:204:7Q9:C14	5:B:205:7Q9:O13	0.46	2.64	3	1
5:D:505:7Q9:C21	5:D:505:7Q9:O31	0.46	2.62	7	2
2:D:440:LEU:HD11	5:D:543:7Q9:C315	0.46	2.40	4	1
6:E:873:17F:C2X	6:E:873:17F:C20	0.46	2.94	4	1
5:B:205:7Q9:C317	6:B:208:17F:H48	0.46	2.40	10	2
5:E:852:7Q9:C39	5:E:863:7Q9:C317	0.46	2.94	8	1
6:A:213:17F:C21	5:D:509:7Q9:O22	0.46	2.64	9	1
5:D:521:7Q9:O32	5:D:542:7Q9:C36	0.46	2.63	9	1
5:D:537:7Q9:C310	5:D:556:7Q9:C316	0.46	2.94	9	1
5:E:872:7Q9:O22	5:E:872:7Q9:C1	0.46	2.57	10	4
6:D:519:17F:H66	6:D:519:17F:C22	0.46	2.41	10	1
6:D:540:17F:C2X	6:D:540:17F:C36	0.46	2.90	10	1
6:D:510:17F:C29	6:D:517:17F:H71	0.46	2.40	12	1
6:A:219:17F:H74	6:A:219:17F:C26	0.46	2.41	13	1
6:B:208:17F:H10	5:B:209:7Q9:C310	0.46	2.40	13	1
5:E:844:7Q9:C15	5:E:845:7Q9:O13	0.46	2.64	13	1
2:D:257:PHE:CE2	2:E:706:LYS:HG2	0.46	2.45	14	1
5:D:508:7Q9:O12	5:D:508:7Q9:O21	0.46	2.32	16	3
6:A:208:17F:C21	6:B:208:17F:H31	0.46	2.40	17	1
5:E:826:7Q9:C11	5:E:845:7Q9:O32	0.46	2.63	17	1
6:E:839:17F:C12	6:E:857:17F:H12	0.46	2.31	17	1
5:D:504:7Q9:C311	5:D:508:7Q9:C3	0.46	2.94	18	1
6:A:208:17F:O2	6:A:208:17F:H10A	0.46	2.10	20	1
6:E:875:17F:HN1	6:E:875:17F:C18	0.46	2.24	20	1
5:A:217:7Q9:C35	5:D:516:7Q9:C37	0.46	2.93	19	4
6:D:519:17F:N1	5:D:535:7Q9:O13	0.46	2.47	2	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:D:527:7Q9:O32	5:D:531:7Q9:C32	0.46	2.64	16	3
2:E:623:ARG:HD2	5:E:859:7Q9:C316	0.46	2.41	2	1
5:E:850:7Q9:C314	5:E:868:7Q9:C314	0.46	2.93	2	2
5:E:803:7Q9:C39	6:E:808:17F:H41	0.46	2.41	3	1
6:E:802:17F:C23	5:E:805:7Q9:C37	0.46	2.94	5	2
6:E:820:17F:H57	6:E:820:17F:H40	0.46	1.86	5	2
5:D:514:7Q9:P	5:D:514:7Q9:O21	0.46	2.74	6	2
5:E:827:7Q9:C1	5:E:827:7Q9:O22	0.46	2.57	6	1
5:E:841:7Q9:C1	5:E:841:7Q9:O32	0.46	2.64	6	1
1:B:113:LEU:HD12	1:B:139:ILE:HD11	0.46	1.87	7	1
5:A:211:7Q9:C23	6:A:213:17F:C6	0.46	2.94	10	1
5:D:554:7Q9:O14	5:D:554:7Q9:C13	0.46	2.64	10	1
6:D:540:17F:N1	5:D:545:7Q9:O32	0.46	2.44	11	1
5:A:203:7Q9:C14	5:B:203:7Q9:C31	0.46	2.94	12	2
6:A:208:17F:H58	6:A:208:17F:C23	0.46	2.40	12	1
2:D:370:LEU:HD13	2:E:593:VAL:HG11	0.46	1.88	12	1
6:E:806:17F:H45	6:E:806:17F:C40	0.46	2.37	13	1
5:E:847:7Q9:C33	5:E:851:7Q9:C23	0.46	2.94	14	1
5:D:512:7Q9:O22	5:D:512:7Q9:O11	0.46	2.33	17	1
5:E:803:7Q9:C311	6:E:808:17F:H42	0.46	2.41	17	1
6:E:857:17F:C35	6:E:857:17F:C31	0.46	2.85	17	2
6:E:875:17F:H46	6:E:875:17F:C37	0.46	2.41	17	1
5:D:550:7Q9:C22	6:D:552:17F:HN1	0.46	2.24	18	1
5:D:514:7Q9:C311	5:D:525:7Q9:C318	0.46	2.93	19	1
6:E:808:17F:H61	6:E:820:17F:H29	0.46	1.87	19	1
6:D:510:17F:H56	6:D:517:17F:C11	0.46	2.34	20	1
5:E:807:7Q9:O21	5:E:807:7Q9:O32	0.46	2.33	1	7
5:E:826:7Q9:C31	5:E:826:7Q9:O21	0.46	2.62	12	3
5:E:844:7Q9:O22	5:E:845:7Q9:C15	0.46	2.64	1	1
6:D:517:17F:C28	6:D:517:17F:C24	0.46	2.90	3	1
1:B:68:ARG:HB3	1:B:99:GLN:NE2	0.46	2.26	4	1
5:B:209:7Q9:C318	5:E:840:7Q9:C312	0.46	2.93	7	2
5:E:863:7Q9:O21	5:E:863:7Q9:C31	0.46	2.64	17	6
5:E:822:7Q9:O32	5:E:843:7Q9:C14	0.46	2.64	5	1
5:E:847:7Q9:O22	5:E:847:7Q9:C3	0.46	2.58	15	4
5:D:513:7Q9:C3	6:D:534:17F:H5	0.46	2.41	7	1
5:D:522:7Q9:C14	5:D:553:7Q9:C1	0.46	2.93	7	1
6:E:808:17F:C37	5:E:814:7Q9:C310	0.46	2.94	7	1
5:E:840:7Q9:O22	5:E:840:7Q9:C3	0.46	2.61	20	4
6:A:219:17F:H46	6:A:219:17F:H75	0.46	1.86	8	1
6:D:518:17F:H20	6:D:518:17F:C23	0.46	2.40	8	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:D:556:7Q9:O13	5:E:845:7Q9:C14	0.46	2.64	18	3
6:D:520:17F:H55	6:D:520:17F:C40	0.46	2.40	9	1
2:E:610:GLU:O	2:E:614:LEU:HG	0.46	2.11	11	1
6:E:839:17F:C2	6:E:875:17F:O8	0.46	2.63	11	1
1:B:32:TYR:HE1	3:B:201:GSP:O1B	0.46	1.94	15	1
5:D:555:7Q9:C12	6:E:857:17F:H18	0.46	2.41	15	1
1:B:123:ARG:HD3	1:B:125:VAL:O	0.46	2.11	19	2
5:E:877:7Q9:O32	5:E:877:7Q9:C34	0.46	2.63	17	3
2:E:628:GLU:HA	2:E:631:ARG:HD3	0.46	1.86	19	1
5:E:844:7Q9:C22	5:E:865:7Q9:C1	0.46	2.94	19	1
6:E:839:17F:H10A	6:E:857:17F:H35	0.46	1.87	20	1
6:D:510:17F:H54	6:D:517:17F:H74	0.46	1.86	1	2
5:E:822:7Q9:C21	5:E:822:7Q9:O31	0.46	2.64	17	7
5:D:523:7Q9:C316	5:E:846:7Q9:C318	0.46	2.94	3	1
5:E:878:7Q9:O32	5:E:878:7Q9:C2	0.46	2.59	20	4
5:E:809:7Q9:O22	5:E:809:7Q9:C1	0.46	2.60	4	1
1:A:15:GLY:CA	3:A:201:GSP:C8	0.46	2.99	5	2
5:B:209:7Q9:C316	5:E:840:7Q9:C312	0.46	2.93	5	1
5:E:863:7Q9:O32	5:E:878:7Q9:C13	0.46	2.64	5	2
1:A:99:GLN:O	1:A:103:VAL:HG23	0.46	2.11	13	3
6:A:220:17F:H32	6:A:220:17F:C35	0.46	2.41	6	1
1:A:69:ASP:O	1:A:73:ARG:HG3	0.46	2.11	7	1
5:A:217:7Q9:C37	5:D:514:7Q9:C310	0.46	2.93	7	2
6:D:517:17F:H76	6:E:839:17F:C41	0.46	2.41	7	1
5:D:544:7Q9:C1	5:D:544:7Q9:O22	0.46	2.60	7	2
5:E:821:7Q9:C1	6:E:839:17F:O9	0.46	2.64	7	1
5:D:523:7Q9:C14	5:D:523:7Q9:P	0.46	3.04	8	2
1:B:20:THR:HG23	1:B:55:ILE:HD12	0.46	1.87	9	1
2:D:359:LEU:HD13	2:E:604:PHE:HD1	0.46	1.71	10	1
6:E:873:17F:C20	6:E:873:17F:C23	0.46	2.94	13	3
5:E:811:7Q9:C22	5:E:817:7Q9:C36	0.46	2.94	11	1
5:E:870:7Q9:O22	6:E:873:17F:C9	0.46	2.64	11	1
5:D:550:7Q9:C14	6:D:552:17F:C3	0.46	2.94	12	2
6:E:806:17F:P1	6:E:806:17F:N1	0.46	2.89	12	2
6:A:219:17F:H49	5:E:828:7Q9:C318	0.46	2.40	13	1
6:E:802:17F:H31	5:E:804:7Q9:C22	0.46	2.41	13	1
5:E:807:7Q9:C15	5:E:807:7Q9:O21	0.46	2.64	18	2
2:D:378:LEU:HD21	5:D:535:7Q9:C318	0.46	2.41	16	1
6:E:871:17F:C32	6:E:871:17F:H30	0.46	2.41	16	1
5:A:206:7Q9:C13	6:A:213:17F:HN1A	0.46	2.24	17	1
6:E:839:17F:C11	6:E:839:17F:C36	0.46	2.87	17	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:855:7Q9:P	5:E:855:7Q9:C14	0.46	3.04	19	1
1:A:123:ARG:HD3	1:A:125:VAL:O	0.46	2.11	1	3
1:A:134:ALA:HB1	1:A:139:ILE:O	0.46	2.11	3	6
6:D:534:17F:O10	6:D:534:17F:C9	0.46	2.64	1	2
6:D:520:17F:H52	5:E:841:7Q9:C311	0.46	2.41	2	2
5:B:205:7Q9:C310	6:B:208:17F:H65	0.46	2.41	3	1
6:D:510:17F:H9A	6:D:517:17F:H10A	0.46	1.86	3	1
6:D:533:17F:H32	6:D:533:17F:C6	0.46	2.40	3	1
5:D:550:7Q9:O11	5:D:550:7Q9:C21	0.46	2.64	9	6
5:A:217:7Q9:C12	5:A:217:7Q9:O21	0.46	2.63	4	4
6:D:510:17F:C32	6:D:533:17F:H71	0.46	2.35	4	1
6:A:219:17F:O10	6:A:219:17F:C4	0.46	2.58	6	1
5:E:838:7Q9:C313	5:E:867:7Q9:C312	0.46	2.94	7	1
6:D:533:17F:H68	6:D:533:17F:H30	0.46	1.88	8	1
5:E:807:7Q9:O32	5:E:807:7Q9:O21	0.46	2.34	9	1
1:A:22:GLN:HB3	1:A:149:ARG:HG3	0.46	1.88	10	1
5:A:207:7Q9:C1	5:A:207:7Q9:O22	0.46	2.57	10	2
6:E:829:17F:H43	6:E:829:17F:H61	0.46	1.88	10	1
6:A:219:17F:H39	6:A:219:17F:H12A	0.46	1.88	14	1
6:A:213:17F:H31	6:A:213:17F:H12	0.46	1.88	15	1
5:D:504:7Q9:O14	5:D:504:7Q9:C2	0.46	2.63	16	1
1:B:113:LEU:HB3	1:B:141:PHE:HD1	0.46	1.71	17	1
5:A:205:7Q9:O11	5:A:212:7Q9:C1	0.46	2.63	19	1
5:D:523:7Q9:C22	5:D:550:7Q9:C312	0.46	2.94	19	1
5:E:838:7Q9:C31	6:E:842:17F:H12A	0.46	2.41	20	1
5:E:845:7Q9:C318	5:E:865:7Q9:C312	0.46	2.94	20	1
6:A:213:17F:C1X	5:D:509:7Q9:C22	0.45	2.94	1	2
5:D:546:7Q9:O31	5:D:546:7Q9:C21	0.45	2.63	16	6
5:E:836:7Q9:O22	5:E:836:7Q9:C1	0.45	2.60	14	7
1:A:35:THR:OG1	3:A:201:GSP:O3G	0.45	2.33	4	8
6:A:208:17F:H30	6:B:208:17F:H34	0.45	1.88	3	1
5:D:501:7Q9:C318	5:E:809:7Q9:C312	0.45	2.94	3	2
5:D:514:7Q9:O21	5:D:514:7Q9:O13	0.45	2.35	6	2
6:D:510:17F:H18A	6:D:517:17F:H8	0.45	1.86	7	1
2:E:636:GLU:HG2	2:E:640:LYS:HE2	0.45	1.88	8	1
6:D:510:17F:H33	6:D:533:17F:C34	0.45	2.41	9	1
5:D:529:7Q9:C12	5:D:541:7Q9:O22	0.45	2.64	9	1
6:B:208:17F:C3	5:B:209:7Q9:C12	0.45	2.94	10	1
5:D:514:7Q9:C15	5:D:514:7Q9:C1	0.45	2.94	11	1
2:E:705:GLU:HG3	2:E:706:LYS:H	0.45	1.70	14	2
6:E:810:17F:H38	5:E:825:7Q9:C314	0.45	2.41	11	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:E:806:17F:C26	6:E:806:17F:H72	0.45	2.36	13	1
5:E:858:7Q9:C33	6:E:875:17F:H37	0.45	2.41	13	1
5:E:824:7Q9:C22	5:E:846:7Q9:C34	0.45	2.94	18	2
5:E:826:7Q9:C12	5:E:845:7Q9:O32	0.45	2.64	17	1
5:E:854:7Q9:C3	5:E:854:7Q9:C12	0.45	2.94	18	1
1:A:129:GLN:O	1:A:133:LEU:HB2	0.45	2.12	20	2
5:E:862:7Q9:C3	5:E:877:7Q9:C15	0.45	2.94	19	1
5:D:549:7Q9:C22	5:E:801:7Q9:C22	0.45	2.94	20	1
1:B:34:PRO:HA	3:B:201:GSP:S1G	0.45	2.50	5	3
5:D:508:7Q9:C312	5:D:508:7Q9:C38	0.45	2.94	1	4
5:E:864:7Q9:O14	5:E:864:7Q9:C12	0.45	2.64	8	5
5:A:218:7Q9:C39	6:D:511:17F:H48	0.45	2.41	4	1
6:B:208:17F:H12A	5:B:209:7Q9:C310	0.45	2.41	4	1
6:E:820:17F:H31	5:E:830:7Q9:C22	0.45	2.42	4	1
6:A:208:17F:C1Z	6:A:219:17F:C10	0.45	2.91	5	2
6:A:219:17F:H67	6:D:518:17F:H60	0.45	1.88	5	1
5:D:516:7Q9:C33	5:D:516:7Q9:O14	0.45	2.64	20	2
5:D:524:7Q9:O11	5:D:543:7Q9:C11	0.45	2.64	5	1
5:E:850:7Q9:O32	5:E:864:7Q9:C22	0.45	2.65	15	2
5:D:503:7Q9:C13	5:D:503:7Q9:O13	0.45	2.64	15	7
5:E:844:7Q9:O22	5:E:845:7Q9:C34	0.45	2.63	8	1
6:D:510:17F:C1Z	6:D:533:17F:H61	0.45	2.41	9	1
6:E:819:17F:O3	5:E:838:7Q9:C11	0.45	2.64	10	1
1:A:112:VAL:HG12	1:A:114:VAL:HG23	0.45	1.87	11	1
5:A:207:7Q9:C39	5:A:215:7Q9:C23	0.45	2.94	12	1
5:D:509:7Q9:C31	5:D:509:7Q9:O11	0.45	2.64	13	1
6:E:875:17F:H54	6:E:875:17F:H72	0.45	1.88	13	1
6:E:873:17F:H62	6:E:873:17F:C31	0.45	2.30	14	3
5:A:217:7Q9:C2	5:A:217:7Q9:O13	0.45	2.64	15	1
6:B:208:17F:H48	6:E:812:17F:C38	0.45	2.42	15	1
5:A:203:7Q9:O13	5:A:204:7Q9:C12	0.45	2.65	16	1
2:D:396:ALA:HB1	5:D:537:7Q9:C314	0.45	2.40	16	1
5:A:203:7Q9:O32	5:B:205:7Q9:C12	0.45	2.63	17	1
5:A:218:7Q9:C39	6:E:829:17F:H78	0.45	2.41	17	1
5:D:513:7Q9:O31	5:D:513:7Q9:C21	0.45	2.64	17	2
6:E:819:17F:C1X	6:E:819:17F:C23	0.45	2.79	17	1
1:B:18:ALA:O	1:B:22:GLN:HG3	0.45	2.11	18	1
5:E:853:7Q9:C15	5:E:853:7Q9:P	0.45	3.04	1	4
6:A:208:17F:C20	6:A:219:17F:C10	0.45	2.92	3	1
5:D:504:7Q9:C32	5:D:508:7Q9:C36	0.45	2.95	5	3
5:D:521:7Q9:C13	5:D:522:7Q9:C22	0.45	2.95	17	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:552:17F:H56	6:D:552:17F:C35	0.45	2.39	15	4
6:D:510:17F:H19	6:D:533:17F:H20	0.45	1.86	7	1
5:E:838:7Q9:C15	5:E:838:7Q9:O21	0.45	2.64	7	3
5:E:816:7Q9:O14	5:E:824:7Q9:C13	0.45	2.65	14	2
5:D:513:7Q9:C313	6:D:534:17F:H55	0.45	2.41	9	1
5:D:556:7Q9:C12	5:E:865:7Q9:C22	0.45	2.94	12	1
5:E:814:7Q9:C313	6:E:820:17F:H50	0.45	2.41	15	1
6:A:213:17F:H62	6:A:213:17F:C10	0.45	2.41	17	1
5:E:838:7Q9:C38	5:E:861:7Q9:C39	0.45	2.94	17	1
5:A:212:7Q9:C313	5:D:505:7Q9:C312	0.45	2.94	19	1
6:D:510:17F:H5	6:D:533:17F:H20	0.45	1.87	20	1
6:D:520:17F:H52	5:E:841:7Q9:C312	0.45	2.41	20	1
6:E:802:17F:O8	6:E:802:17F:O9	0.45	2.34	14	8
5:E:843:7Q9:C37	5:E:843:7Q9:C314	0.45	2.95	13	7
5:D:543:7Q9:C15	5:D:543:7Q9:P	0.45	3.04	14	9
5:E:809:7Q9:C14	5:E:809:7Q9:P	0.45	3.04	8	3
5:D:527:7Q9:C3	5:D:531:7Q9:O31	0.45	2.65	11	3
6:D:534:17F:C6	5:D:538:7Q9:C35	0.45	2.95	3	1
5:E:825:7Q9:C35	6:E:842:17F:H30	0.45	2.42	3	1
6:E:873:17F:O2	6:E:873:17F:C2	0.45	2.65	13	5
5:D:524:7Q9:C33	5:D:543:7Q9:O32	0.45	2.65	4	1
6:D:540:17F:H8	5:D:545:7Q9:C35	0.45	2.41	11	2
5:E:868:7Q9:O13	5:E:868:7Q9:C2	0.45	2.64	12	3
6:E:871:17F:H1	6:E:871:17F:C4	0.45	2.41	5	1
6:E:857:17F:H37	6:E:875:17F:C33	0.45	2.41	8	1
5:D:507:7Q9:C313	5:E:814:7Q9:C316	0.45	2.94	9	1
5:D:549:7Q9:C22	5:E:801:7Q9:C33	0.45	2.93	10	1
5:E:826:7Q9:C39	5:E:845:7Q9:C38	0.45	2.94	18	2
2:E:557:PHE:CZ	6:E:873:17F:H71	0.45	2.47	14	1
5:B:210:7Q9:C318	6:E:812:17F:H77	0.45	2.41	15	1
5:D:515:7Q9:O32	6:D:519:17F:H19	0.45	2.11	18	1
5:E:830:7Q9:C316	5:E:849:7Q9:C23	0.45	2.95	19	1
5:A:214:7Q9:C32	5:A:218:7Q9:O13	0.45	2.64	20	1
5:D:554:7Q9:O32	5:E:832:7Q9:C23	0.45	2.64	20	1
1:A:112:VAL:HG21	1:A:159:LEU:HA	0.45	1.88	1	2
5:D:503:7Q9:C13	5:D:503:7Q9:P	0.45	3.05	1	2
5:D:532:7Q9:C22	5:D:532:7Q9:C38	0.45	2.95	12	3
6:E:808:17F:O10	6:E:808:17F:H4	0.45	2.12	1	1
5:E:817:7Q9:P	5:E:817:7Q9:C15	0.45	3.04	1	4
5:E:840:7Q9:C22	5:E:866:7Q9:C36	0.45	2.94	1	2
6:E:873:17F:H39	6:E:873:17F:H34	0.45	1.87	1	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:D:551:7Q9:O22	5:D:551:7Q9:C1	0.45	2.62	13	6
5:E:823:7Q9:O14	5:E:840:7Q9:C3	0.45	2.65	2	1
5:E:861:7Q9:O21	5:E:861:7Q9:C31	0.45	2.64	14	10
6:D:519:17F:H54	6:E:842:17F:H77	0.45	1.88	3	1
5:E:838:7Q9:C14	6:E:842:17F:C19	0.45	2.94	5	1
5:E:824:7Q9:O22	5:E:824:7Q9:C1	0.45	2.62	20	2
6:D:540:17F:H10A	5:D:545:7Q9:C311	0.45	2.42	7	1
5:E:833:7Q9:O21	5:E:833:7Q9:C31	0.45	2.65	14	3
6:A:208:17F:C31	6:A:208:17F:H40	0.45	2.42	9	1
6:D:520:17F:H55	6:D:520:17F:H70	0.45	1.88	9	1
5:E:803:7Q9:C313	6:E:806:17F:H66	0.45	2.42	12	2
5:D:503:7Q9:O13	5:D:503:7Q9:C12	0.45	2.65	13	2
6:E:857:17F:O7	6:E:857:17F:H10	0.45	2.11	18	2
5:D:514:7Q9:C22	5:D:546:7Q9:O11	0.45	2.64	13	1
5:E:840:7Q9:C37	5:E:841:7Q9:C22	0.45	2.94	15	1
1:B:28:PHE:CZ	3:B:201:GSP:H2'	0.45	2.46	16	1
6:D:510:17F:C18	6:D:517:17F:C9	0.45	2.93	18	1
6:E:819:17F:C38	5:E:825:7Q9:C318	0.45	2.94	18	1
6:A:208:17F:H30	6:B:208:17F:H19A	0.45	1.88	19	1
6:D:510:17F:H31	6:D:517:17F:C10	0.45	2.22	19	1
1:A:16:LYS:HB2	3:A:201:GSP:O2B	0.45	2.11	1	1
1:B:5:LYS:HA	1:B:54:ASP:HB3	0.45	1.88	6	3
6:D:517:17F:H70	6:D:517:17F:C28	0.45	2.40	2	1
5:E:826:7Q9:O13	5:E:826:7Q9:C12	0.45	2.64	3	6
2:D:308:TRP:HH2	2:E:659:LEU:HD13	0.45	1.72	4	1
2:E:702:THR:HA	2:E:705:GLU:HG2	0.45	1.89	4	1
6:A:208:17F:O5	5:A:212:7Q9:C13	0.45	2.65	5	1
5:D:513:7Q9:O21	5:D:513:7Q9:O14	0.45	2.34	12	2
6:E:802:17F:H59	5:E:807:7Q9:C38	0.45	2.41	8	1
5:B:210:7Q9:O22	5:B:210:7Q9:C3	0.45	2.61	9	2
6:A:208:17F:H8A	5:B:205:7Q9:C32	0.45	2.42	10	1
6:E:802:17F:C18	6:E:802:17F:H10	0.45	2.41	10	1
5:A:216:7Q9:C3	6:D:517:17F:O10	0.45	2.65	13	1
1:A:39:SER:HB2	1:A:41:ARG:NH1	0.45	2.27	16	1
6:A:208:17F:H58	6:A:208:17F:C2X	0.45	2.42	16	1
6:D:519:17F:H40	6:D:519:17F:C31	0.45	2.40	16	1
6:E:857:17F:H78	6:E:875:17F:C36	0.45	2.41	16	1
5:A:214:7Q9:C23	5:A:214:7Q9:C13	0.45	2.95	17	1
6:D:518:17F:H5	5:D:528:7Q9:O13	0.45	2.12	17	1
5:A:203:7Q9:C313	6:B:208:17F:H68	0.45	2.42	18	1
6:A:213:17F:H10	6:A:213:17F:H61	0.45	1.88	19	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:D:506:7Q9:C32	6:D:517:17F:H20A	0.45	2.42	20	1
6:E:875:17F:N1	6:E:875:17F:C18	0.45	2.79	20	1
5:A:210:7Q9:O31	5:A:210:7Q9:C34	0.45	2.64	16	9
5:A:218:7Q9:C11	6:D:511:17F:O2	0.45	2.65	1	1
5:E:838:7Q9:O31	5:E:838:7Q9:C21	0.45	2.65	11	11
5:E:849:7Q9:C316	5:E:852:7Q9:C316	0.45	2.94	16	4
5:D:515:7Q9:C32	6:D:519:17F:H20	0.45	2.42	2	1
5:A:215:7Q9:C310	5:A:216:7Q9:C316	0.45	2.95	3	1
5:D:514:7Q9:C3	5:D:516:7Q9:C32	0.45	2.95	4	1
5:A:210:7Q9:C317	6:A:220:17F:H44	0.45	2.41	5	1
5:B:206:7Q9:C15	5:B:206:7Q9:C1	0.45	2.94	12	3
6:B:208:17F:C24	5:E:824:7Q9:C318	0.45	2.95	5	1
6:D:510:17F:H19A	5:D:530:7Q9:O21	0.45	2.12	5	1
6:D:540:17F:O10	6:D:540:17F:C4	0.45	2.62	11	3
6:E:802:17F:C20	5:E:804:7Q9:C22	0.45	2.94	5	1
5:E:824:7Q9:C312	5:E:840:7Q9:C311	0.45	2.95	8	1
5:D:505:7Q9:C318	5:D:554:7Q9:C314	0.45	2.95	9	2
5:D:554:7Q9:C310	5:E:826:7Q9:C316	0.45	2.94	11	1
5:B:209:7Q9:C318	5:E:824:7Q9:C312	0.45	2.95	12	1
5:D:508:7Q9:C38	5:D:524:7Q9:C34	0.45	2.95	12	1
5:E:836:7Q9:O13	5:E:838:7Q9:C13	0.45	2.64	12	1
1:A:23:LEU:HD22	1:A:156:PHE:CD2	0.45	2.47	13	1
1:B:15:GLY:CA	3:B:201:GSP:H8	0.45	2.25	15	1
6:E:812:17F:H39	6:E:812:17F:H30	0.45	1.88	15	1
6:D:552:17F:H57	6:D:552:17F:C9	0.45	2.42	19	2
5:D:546:7Q9:C318	5:D:556:7Q9:C317	0.45	2.95	2	2
6:A:220:17F:O4	5:D:502:7Q9:C12	0.45	2.65	2	1
6:D:510:17F:C10	6:D:517:17F:H34	0.45	2.40	2	2
6:D:533:17F:H6A	6:D:533:17F:H57	0.45	1.87	2	1
6:E:808:17F:H49	6:E:810:17F:H51	0.45	1.88	2	1
5:E:864:7Q9:C15	5:E:864:7Q9:P	0.45	3.05	16	9
1:A:72:MET:HA	1:A:78:PHE:CZ	0.45	2.45	7	3
6:E:806:17F:H39	6:E:806:17F:C1X	0.45	2.39	14	2
5:A:203:7Q9:O22	5:A:203:7Q9:C3	0.45	2.58	5	4
1:B:116:ASN:ND2	3:B:201:GSP:N7	0.45	2.65	5	1
1:A:47:ASP:HA	1:B:128:LYS:CB	0.45	2.30	6	1
5:B:210:7Q9:O32	6:D:520:17F:H57	0.45	2.11	6	1
5:A:207:7Q9:C14	5:B:207:7Q9:C3	0.45	2.94	7	1
5:D:507:7Q9:C314	6:E:819:17F:H52	0.45	2.42	7	1
6:E:829:17F:H9A	5:E:833:7Q9:C35	0.45	2.41	7	1
5:D:555:7Q9:C312	5:E:849:7Q9:C316	0.45	2.95	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:E:808:17F:H72	6:E:819:17F:C30	0.45	2.42	8	1
5:A:215:7Q9:C14	6:D:511:17F:H4A	0.45	2.41	10	1
6:E:808:17F:C19	6:E:810:17F:H20	0.45	2.42	11	1
1:B:137:TYR:HB2	1:B:139:ILE:HG12	0.45	1.88	12	1
5:D:537:7Q9:O13	5:D:546:7Q9:C1	0.45	2.65	12	1
1:A:47:ASP:CG	1:B:132:ASP:HB2	0.45	2.32	14	1
6:E:819:17F:C10	6:E:820:17F:H9A	0.45	2.42	16	1
5:A:203:7Q9:O32	5:B:205:7Q9:C13	0.45	2.65	17	1
6:D:552:17F:C7	6:D:552:17F:C4	0.45	2.95	17	1
5:D:544:7Q9:C23	5:D:544:7Q9:O14	0.45	2.65	1	1
5:E:814:7Q9:C312	6:E:819:17F:H54	0.45	2.42	1	1
5:E:826:7Q9:C14	5:E:826:7Q9:P	0.45	3.05	3	5
6:D:510:17F:C6	6:D:517:17F:H9	0.45	2.42	15	2
5:E:836:7Q9:O14	5:E:838:7Q9:C13	0.45	2.65	2	1
6:E:871:17F:H35	6:E:871:17F:C32	0.45	2.42	3	2
5:A:218:7Q9:C13	5:D:513:7Q9:O13	0.45	2.64	4	1
6:E:806:17F:H44	5:E:817:7Q9:C317	0.45	2.42	4	1
1:B:13:GLY:CA	3:B:201:GSP:H5'1	0.45	2.37	6	1
5:D:505:7Q9:O31	5:D:505:7Q9:O22	0.45	2.34	7	1
5:A:205:7Q9:O14	5:A:205:7Q9:C2	0.45	2.65	10	4
5:A:203:7Q9:C12	5:B:203:7Q9:O32	0.45	2.65	10	1
6:D:540:17F:H61	6:D:540:17F:C25	0.45	2.37	10	1
5:D:507:7Q9:C313	6:E:820:17F:H55	0.45	2.42	11	1
5:E:851:7Q9:C15	5:E:851:7Q9:O13	0.45	2.65	11	1
5:A:218:7Q9:P	5:A:218:7Q9:O21	0.45	2.74	20	2
2:D:269:GLN:HG2	6:D:540:17F:C1Z	0.45	2.41	12	3
6:E:808:17F:C34	6:E:820:17F:H12A	0.45	2.41	12	1
6:D:539:17F:H38	6:D:539:17F:C35	0.45	2.40	14	2
1:A:126:ASP:OD2	1:A:128:LYS:HB3	0.45	2.11	14	1
5:D:524:7Q9:C11	5:D:524:7Q9:C2	0.45	2.95	15	1
6:D:533:17F:C1Y	6:D:533:17F:O1	0.45	2.65	17	1
5:A:212:7Q9:O14	5:A:212:7Q9:O31	0.45	2.35	19	1
5:D:505:7Q9:C13	6:D:518:17F:O10	0.45	2.65	19	1
5:E:814:7Q9:C39	6:E:820:17F:H37	0.45	2.42	19	1
6:D:510:17F:H9	6:D:517:17F:C10	0.45	2.42	20	1
5:D:530:7Q9:O12	5:D:530:7Q9:C14	0.45	2.64	20	1
5:D:531:7Q9:C1	5:D:531:7Q9:O22	0.45	2.61	3	3
5:B:203:7Q9:O31	5:B:203:7Q9:O11	0.45	2.35	2	4
5:E:834:7Q9:C13	6:E:839:17F:O4	0.45	2.65	4	1
6:E:842:17F:C32	6:E:842:17F:C36	0.45	2.92	4	1
5:D:509:7Q9:O13	5:D:527:7Q9:C3	0.45	2.65	6	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:D:516:7Q9:C21	5:D:537:7Q9:C14	0.45	2.95	6	1
5:D:538:7Q9:C15	5:D:538:7Q9:O13	0.45	2.65	6	3
5:A:203:7Q9:O13	5:A:204:7Q9:C15	0.45	2.65	19	2
5:E:831:7Q9:C34	5:E:851:7Q9:C1	0.45	2.95	8	1
5:D:513:7Q9:C13	5:D:513:7Q9:C31	0.45	2.95	10	2
5:D:550:7Q9:C2	5:D:550:7Q9:O32	0.45	2.62	11	4
5:D:550:7Q9:C13	6:D:552:17F:O5	0.45	2.65	13	1
1:B:17:SER:HB2	3:B:201:GSP:O3B	0.45	2.11	14	1
6:D:539:17F:C35	6:D:539:17F:C22	0.45	2.95	14	1
5:A:212:7Q9:C317	6:A:219:17F:H54	0.45	2.42	18	2
6:E:819:17F:H63	6:E:842:17F:H67	0.45	1.89	15	1
5:E:866:7Q9:C15	5:E:866:7Q9:O13	0.45	2.65	18	1
5:A:210:7Q9:C314	6:A:220:17F:H10	0.45	2.42	19	1
6:E:806:17F:H68	6:E:806:17F:H55	0.45	1.89	19	1
1:A:6:LEU:HB2	1:A:55:ILE:HG12	0.45	1.87	20	1
2:E:660:ARG:NH1	6:E:875:17F:H20A	0.44	2.26	1	1
5:A:207:7Q9:C15	5:B:203:7Q9:O22	0.44	2.65	2	1
5:E:811:7Q9:C3	5:E:822:7Q9:C22	0.44	2.95	2	1
5:E:853:7Q9:C12	5:E:853:7Q9:O11	0.44	2.65	2	1
6:D:517:17F:H49	6:D:517:17F:C22	0.44	2.39	3	1
5:E:854:7Q9:C13	5:E:854:7Q9:O14	0.44	2.65	7	2
6:D:511:17F:O1	5:D:513:7Q9:C15	0.44	2.65	4	1
6:E:829:17F:H8A	5:E:833:7Q9:C33	0.44	2.42	6	1
5:D:512:7Q9:C33	6:D:534:17F:C6	0.44	2.95	7	1
6:D:518:17F:H50	5:D:549:7Q9:C312	0.44	2.42	8	1
2:D:330:ALA:HA	2:D:333:LYS:HE3	0.44	1.88	10	1
6:B:208:17F:C7	6:B:208:17F:H4A	0.44	2.42	11	1
1:A:6:LEU:HD13	1:A:159:LEU:HD23	0.44	1.89	13	1
6:D:510:17F:C9	6:D:517:17F:C1X	0.44	2.86	13	1
5:D:503:7Q9:C34	6:D:519:17F:H56	0.44	2.41	14	1
5:D:526:7Q9:P	5:D:526:7Q9:O21	0.44	2.75	15	1
5:E:852:7Q9:C36	5:E:852:7Q9:C311	0.44	2.96	18	2
5:D:521:7Q9:C34	5:D:521:7Q9:O31	0.44	2.64	17	1
5:D:502:7Q9:C32	5:D:525:7Q9:C23	0.44	2.95	18	1
5:D:515:7Q9:O22	5:D:515:7Q9:C1	0.44	2.60	1	1
5:A:205:7Q9:C36	5:A:210:7Q9:C23	0.44	2.95	2	1
6:A:213:17F:H37	5:D:509:7Q9:C21	0.44	2.42	2	1
5:D:542:7Q9:O21	5:D:542:7Q9:O14	0.44	2.34	18	9
1:B:41:ARG:HD2	1:B:54:ASP:OD1	0.44	2.12	3	1
5:D:530:7Q9:C312	5:D:530:7Q9:C38	0.44	2.95	7	2
6:E:808:17F:H74	6:E:808:17F:C27	0.44	2.36	3	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:E:808:17F:H51	6:E:808:17F:H75	0.44	1.89	3	1
5:E:822:7Q9:O31	5:E:822:7Q9:C21	0.44	2.64	10	3
5:A:211:7Q9:C318	6:A:220:17F:H52	0.44	2.42	4	1
6:A:213:17F:H30	5:D:509:7Q9:O22	0.44	2.12	4	1
5:D:536:7Q9:C22	5:D:536:7Q9:C311	0.44	2.94	14	2
6:D:510:17F:H54	6:D:517:17F:C40	0.44	2.41	5	1
6:E:875:17F:N1	6:E:875:17F:H18A	0.44	2.26	5	1
5:A:210:7Q9:C13	5:A:210:7Q9:P	0.44	3.05	8	2
1:B:39:SER:HA	1:B:55:ILE:O	0.44	2.12	8	1
6:D:539:17F:H8	6:D:539:17F:O5	0.44	2.12	9	1
6:A:213:17F:C7	6:A:213:17F:O9	0.44	2.65	11	1
6:A:219:17F:C1Y	5:E:801:7Q9:C34	0.44	2.95	11	1
6:E:808:17F:H75	6:E:819:17F:H54	0.44	1.88	11	1
6:D:519:17F:H50	5:D:526:7Q9:C318	0.44	2.42	12	1
6:E:819:17F:C32	6:E:842:17F:H53	0.44	2.41	12	1
6:A:213:17F:H56	6:A:213:17F:H41	0.44	1.89	13	1
5:E:841:7Q9:C3	5:E:874:7Q9:C39	0.44	2.95	13	1
6:A:213:17F:O10	6:A:213:17F:C6	0.44	2.54	14	1
6:E:857:17F:C38	6:E:857:17F:C21	0.44	2.96	14	1
5:B:206:7Q9:C39	6:B:208:17F:H74	0.44	2.42	15	1
6:E:842:17F:O6	6:E:842:17F:H2	0.44	2.12	18	1
6:A:220:17F:H30	6:A:220:17F:C26	0.44	2.39	20	1
5:D:504:7Q9:C1	5:D:508:7Q9:C34	0.44	2.95	20	1
6:E:802:17F:O9	6:E:802:17F:C7	0.44	2.65	20	1
5:E:838:7Q9:C32	6:E:842:17F:H41	0.44	2.42	20	1
6:E:856:17F:O4	5:E:858:7Q9:C15	0.44	2.65	20	1
5:D:529:7Q9:C13	5:D:553:7Q9:C11	0.44	2.95	15	3
5:E:855:7Q9:O32	5:E:855:7Q9:C21	0.44	2.65	11	3
5:D:524:7Q9:O12	5:D:524:7Q9:C2	0.44	2.65	3	1
6:E:839:17F:HN1	6:E:839:17F:P1	0.44	2.35	6	4
1:A:47:ASP:HA	1:B:128:LYS:CG	0.44	2.38	5	1
1:B:41:ARG:HA	1:B:53:LEU:O	0.44	2.13	18	2
5:B:206:7Q9:C315	5:E:809:7Q9:C314	0.44	2.95	5	2
2:E:736:TYR:O	2:E:740:LEU:HG	0.44	2.12	11	2
6:A:220:17F:H67	6:A:220:17F:H50	0.44	1.89	8	1
6:E:806:17F:O7	6:E:806:17F:O6	0.44	2.34	14	3
5:D:503:7Q9:O31	5:D:503:7Q9:C21	0.44	2.65	12	1
5:A:205:7Q9:C1	5:A:205:7Q9:C31	0.44	2.95	13	1
6:A:220:17F:H47	6:A:220:17F:H65	0.44	1.90	13	1
5:D:526:7Q9:C1	5:D:526:7Q9:C31	0.44	2.95	13	1
6:E:842:17F:H8	5:E:867:7Q9:O14	0.44	2.12	13	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:B:205:7Q9:C317	6:E:812:17F:H77	0.44	2.42	14	2
5:A:207:7Q9:O14	5:B:203:7Q9:C12	0.44	2.66	15	1
6:A:219:17F:H63	6:A:219:17F:C23	0.44	2.37	15	1
6:E:871:17F:H29	5:E:872:7Q9:C23	0.44	2.43	16	1
5:D:506:7Q9:C312	5:E:821:7Q9:C318	0.44	2.95	17	1
5:E:834:7Q9:O12	6:E:839:17F:H2	0.44	2.12	17	1
5:E:838:7Q9:O32	6:E:842:17F:C12	0.44	2.62	20	1
5:D:501:7Q9:O11	5:D:501:7Q9:C21	0.44	2.66	13	2
5:D:531:7Q9:C11	5:D:531:7Q9:O21	0.44	2.66	3	3
5:D:515:7Q9:C14	6:D:519:17F:H4A	0.44	2.43	3	1
6:D:518:17F:H4A	6:D:518:17F:H2	0.44	1.90	3	1
5:E:804:7Q9:C12	6:E:808:17F:O4	0.44	2.65	4	1
5:E:841:7Q9:O13	5:E:841:7Q9:C2	0.44	2.65	20	4
1:B:89:SER:HA	1:B:92:ASP:HB2	0.44	1.89	5	1
5:D:523:7Q9:O13	5:D:550:7Q9:C14	0.44	2.65	5	1
6:E:808:17F:H65	6:E:819:17F:H38	0.44	1.89	8	1
6:A:213:17F:H51	6:A:213:17F:H71	0.44	1.89	10	1
5:D:507:7Q9:C39	5:D:512:7Q9:C315	0.44	2.95	10	1
6:A:220:17F:C23	6:A:220:17F:H73	0.44	2.42	12	1
6:E:857:17F:O10	6:E:857:17F:H20A	0.44	2.13	14	2
6:D:539:17F:H43	5:D:549:7Q9:O32	0.44	2.11	15	1
6:E:819:17F:H10	6:E:820:17F:H9A	0.44	1.88	16	1
6:E:829:17F:H72	5:E:830:7Q9:C316	0.44	2.42	16	1
5:E:851:7Q9:C311	5:E:851:7Q9:C37	0.44	2.93	16	1
6:D:510:17F:H18A	6:D:533:17F:C20	0.44	2.40	17	1
6:B:208:17F:H54	6:E:812:17F:H68	0.44	1.89	1	1
5:D:537:7Q9:C37	5:D:546:7Q9:C318	0.44	2.95	1	1
5:E:804:7Q9:C34	5:E:807:7Q9:C34	0.44	2.95	1	1
6:D:539:17F:O10	6:D:539:17F:C6	0.44	2.53	9	4
1:A:79:LEU:HB2	1:A:159:LEU:HD22	0.44	1.89	3	1
6:D:510:17F:C9	6:D:517:17F:C10	0.44	2.92	3	2
5:E:804:7Q9:O32	6:E:808:17F:C8	0.44	2.66	3	1
5:E:835:7Q9:C37	5:E:835:7Q9:C311	0.44	2.93	4	1
5:D:514:7Q9:O13	5:D:537:7Q9:C15	0.44	2.65	5	1
5:E:844:7Q9:C312	5:E:860:7Q9:C313	0.44	2.96	5	1
5:E:861:7Q9:O22	5:E:861:7Q9:C1	0.44	2.59	13	5
5:D:508:7Q9:C14	5:D:508:7Q9:C1	0.44	2.95	11	2
5:D:513:7Q9:C21	5:D:513:7Q9:O31	0.44	2.64	13	2
6:E:820:17F:H60	5:E:853:7Q9:C36	0.44	2.41	9	1
6:E:820:17F:H64	5:E:837:7Q9:C38	0.44	2.42	12	1
5:B:206:7Q9:C15	5:B:206:7Q9:O11	0.44	2.65	13	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:830:7Q9:C1	5:E:853:7Q9:C35	0.44	2.95	20	2
6:A:208:17F:H72	6:B:208:17F:H61	0.44	1.89	18	1
6:E:810:17F:N1	6:E:819:17F:H5	0.44	2.28	20	1
6:A:213:17F:H31	6:A:213:17F:C22	0.44	2.43	1	1
5:E:854:7Q9:O22	5:E:854:7Q9:C1	0.44	2.61	1	3
1:B:4:TYR:HE2	1:B:51:CYS:HG	0.44	1.56	2	2
5:D:515:7Q9:C316	5:E:822:7Q9:C318	0.44	2.96	2	1
6:B:208:17F:O2	5:B:209:7Q9:C12	0.44	2.66	3	1
5:E:835:7Q9:C318	6:E:856:17F:H71	0.44	2.43	20	2
5:E:843:7Q9:C311	5:E:843:7Q9:C37	0.44	2.96	3	2
5:E:848:7Q9:C14	5:E:848:7Q9:P	0.44	3.05	3	1
6:E:857:17F:O10	6:E:857:17F:C6	0.44	2.63	13	5
1:A:116:ASN:ND2	3:A:201:GSP:N7	0.44	2.64	4	2
6:A:219:17F:O5	5:D:504:7Q9:C15	0.44	2.66	12	2
5:D:555:7Q9:C14	5:E:833:7Q9:O22	0.44	2.65	5	3
6:E:839:17F:C27	6:E:839:17F:C42	0.44	2.93	12	5
5:A:207:7Q9:O22	5:A:207:7Q9:C3	0.44	2.59	5	1
6:A:208:17F:H56	5:A:212:7Q9:C32	0.44	2.43	6	1
5:E:863:7Q9:C11	5:E:878:7Q9:C14	0.44	2.96	7	1
6:E:875:17F:N1	6:E:875:17F:H10	0.44	2.28	7	3
6:D:520:17F:H71	6:D:520:17F:C27	0.44	2.41	8	1
5:D:556:7Q9:O14	5:E:854:7Q9:C14	0.44	2.65	13	2
6:E:808:17F:H38	6:E:810:17F:C1Y	0.44	2.42	8	1
5:E:826:7Q9:C36	5:E:826:7Q9:O32	0.44	2.66	9	2
5:A:218:7Q9:C15	6:D:511:17F:O1	0.44	2.66	16	2
2:D:320:GLU:O	2:D:323:ARG:HG2	0.44	2.12	10	1
5:D:536:7Q9:O22	5:D:536:7Q9:C3	0.44	2.62	11	1
6:E:819:17F:C19	6:E:842:17F:H57	0.44	2.43	12	1
5:E:834:7Q9:C312	6:E:839:17F:H52	0.44	2.43	12	1
1:B:16:LYS:HB2	3:B:201:GSP:O2G	0.44	2.13	15	1
5:A:216:7Q9:C3	6:D:517:17F:C18	0.44	2.95	17	1
5:A:216:7Q9:O31	6:D:517:17F:H18A	0.44	2.11	20	2
5:E:805:7Q9:O32	6:E:812:17F:C1Y	0.44	2.64	17	1
6:E:806:17F:H43	5:E:817:7Q9:C317	0.44	2.42	17	1
5:A:217:7Q9:O13	5:D:516:7Q9:C32	0.44	2.66	18	1
5:D:502:7Q9:C38	5:D:515:7Q9:C22	0.44	2.96	18	1
6:D:520:17F:C39	6:D:520:17F:H47	0.44	2.43	19	1
2:E:659:LEU:HD21	6:E:875:17F:H68	0.44	1.90	20	1
6:E:820:17F:H69	6:E:820:17F:H52	0.44	1.89	20	1
2:D:315:TYR:CE2	2:E:644:LEU:HG	0.44	2.48	1	1
6:D:510:17F:C7	6:D:517:17F:O9	0.44	2.66	1	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:D:529:7Q9:C11	5:D:541:7Q9:O22	0.44	2.66	1	1
5:E:851:7Q9:C15	5:E:851:7Q9:P	0.44	3.06	11	6
6:D:533:17F:O9	6:D:533:17F:P1	0.44	2.75	3	3
5:E:838:7Q9:O32	6:E:842:17F:H31	0.44	2.11	3	1
5:B:206:7Q9:O14	5:B:206:7Q9:C12	0.44	2.66	4	2
6:D:510:17F:H62	5:D:530:7Q9:C313	0.44	2.42	4	1
5:E:840:7Q9:O32	5:E:840:7Q9:O21	0.44	2.36	4	1
5:E:841:7Q9:C13	5:E:841:7Q9:P	0.44	3.06	4	2
5:D:530:7Q9:O21	5:D:530:7Q9:O32	0.44	2.36	5	1
6:E:842:17F:C8	5:E:877:7Q9:O14	0.44	2.66	5	1
1:A:153:ASP:O	1:A:157:TYR:HB2	0.44	2.13	7	1
5:D:556:7Q9:O13	5:E:845:7Q9:C12	0.44	2.66	7	1
5:A:207:7Q9:C35	5:A:216:7Q9:C23	0.44	2.95	13	2
1:B:89:SER:O	1:B:93:ILE:HG12	0.44	2.12	10	1
5:D:521:7Q9:C31	5:D:521:7Q9:C1	0.44	2.96	10	1
6:D:533:17F:P1	6:D:533:17F:O9	0.44	2.76	10	1
5:D:514:7Q9:C23	5:D:537:7Q9:C13	0.44	2.96	20	2
5:E:870:7Q9:O22	6:E:873:17F:C10	0.44	2.65	11	1
6:D:517:17F:H38	6:D:533:17F:C22	0.44	2.40	12	1
6:D:519:17F:H69	6:D:519:17F:C27	0.44	2.43	12	1
5:A:204:7Q9:C12	5:A:205:7Q9:O22	0.44	2.66	13	1
2:D:334:LEU:HB3	5:D:538:7Q9:C312	0.44	2.42	13	1
6:E:802:17F:H56	5:E:807:7Q9:C316	0.44	2.43	13	1
5:E:849:7Q9:C315	5:E:852:7Q9:C311	0.44	2.96	15	1
6:E:806:17F:HN1	6:E:806:17F:P1	0.44	2.35	17	1
5:E:833:7Q9:C14	5:E:833:7Q9:C21	0.44	2.96	19	1
5:D:502:7Q9:C36	5:D:515:7Q9:C22	0.44	2.96	20	1
5:D:543:7Q9:O31	6:D:552:17F:H11A	0.44	2.13	20	1
6:E:820:17F:H6A	6:E:820:17F:O10	0.44	2.12	20	1
5:D:532:7Q9:C1	6:D:534:17F:H31	0.44	2.43	2	1
6:E:818:17F:O8	6:E:818:17F:C5	0.44	2.53	7	3
2:D:414:LEU:O	2:D:418:LEU:HG	0.44	2.12	3	1
6:D:540:17F:H76	5:E:864:7Q9:C316	0.44	2.43	3	1
5:E:849:7Q9:C315	5:E:852:7Q9:C314	0.44	2.96	8	3
6:A:213:17F:H73	6:E:810:17F:H55	0.44	1.89	5	1
5:D:503:7Q9:C318	5:D:526:7Q9:C316	0.44	2.96	6	1
6:E:829:17F:H30	5:E:833:7Q9:C36	0.44	2.43	6	1
5:A:207:7Q9:O22	5:A:207:7Q9:C1	0.44	2.64	7	3
5:D:504:7Q9:O22	5:D:504:7Q9:C3	0.44	2.63	8	2
6:D:518:17F:H62	6:D:518:17F:C31	0.44	2.40	8	1
6:E:802:17F:H77	6:E:802:17F:H50	0.44	1.87	9	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:64:TYR:HB3	1:A:67:MET:HB2	0.44	1.88	12	1
5:A:210:7Q9:C34	5:A:210:7Q9:O31	0.44	2.66	12	1
6:D:539:17F:C21	6:D:539:17F:C35	0.44	2.89	12	1
6:D:517:17F:H49	6:D:517:17F:H66	0.44	1.86	13	1
5:A:215:7Q9:C1	5:A:216:7Q9:C22	0.44	2.95	14	1
5:D:514:7Q9:O21	5:D:514:7Q9:P	0.44	2.76	19	2
6:D:510:17F:C30	6:D:517:17F:H38	0.44	2.39	15	1
5:E:827:7Q9:O13	5:E:841:7Q9:C15	0.44	2.66	15	1
5:D:549:7Q9:C22	5:E:801:7Q9:O32	0.44	2.66	17	1
6:E:839:17F:H78	6:E:839:17F:H48	0.44	1.89	18	1
5:E:849:7Q9:C15	5:E:853:7Q9:O14	0.44	2.65	18	1
5:D:529:7Q9:C35	5:D:541:7Q9:C312	0.44	2.95	19	1
1:A:15:GLY:O	1:A:19:LEU:HG	0.44	2.13	1	1
5:A:216:7Q9:O21	5:A:216:7Q9:C31	0.44	2.66	3	3
5:D:550:7Q9:O32	5:D:550:7Q9:C2	0.44	2.61	2	3
1:B:4:TYR:CE2	1:B:51:CYS:HB3	0.44	2.48	3	1
2:D:436:TYR:O	2:D:440:LEU:HG	0.44	2.12	8	2
5:E:854:7Q9:O21	5:E:854:7Q9:O32	0.44	2.36	7	3
5:D:506:7Q9:C311	6:D:517:17F:H53	0.44	2.43	5	1
5:D:526:7Q9:C314	5:E:838:7Q9:C315	0.44	2.95	20	2
6:E:829:17F:C12	5:E:833:7Q9:C38	0.44	2.96	5	1
5:E:833:7Q9:O31	5:E:852:7Q9:O13	0.44	2.36	5	1
5:A:218:7Q9:O32	5:A:218:7Q9:C2	0.44	2.63	16	2
5:D:521:7Q9:C36	5:D:542:7Q9:C310	0.44	2.96	6	1
6:D:533:17F:O5	5:D:541:7Q9:C15	0.44	2.66	6	1
5:E:855:7Q9:C14	5:E:855:7Q9:P	0.44	3.06	6	2
5:E:832:7Q9:O32	5:E:832:7Q9:C34	0.44	2.65	7	3
5:D:503:7Q9:C35	6:D:519:17F:H56	0.44	2.43	8	1
5:D:543:7Q9:C12	5:D:543:7Q9:O13	0.44	2.65	10	2
3:A:201:GSP:O1A	3:A:201:GSP:O2B	0.44	2.36	10	1
6:E:810:17F:C22	5:E:825:7Q9:C314	0.44	2.95	11	1
5:E:826:7Q9:O21	5:E:826:7Q9:O32	0.44	2.36	12	1
6:E:819:17F:C1	5:E:838:7Q9:C11	0.44	2.96	13	1
6:D:534:17F:H10A	6:D:534:17F:C34	0.44	2.43	14	1
5:E:854:7Q9:C13	5:E:854:7Q9:O11	0.44	2.66	19	2
6:D:520:17F:O4	5:D:545:7Q9:C13	0.44	2.65	16	1
6:E:819:17F:H75	6:E:819:17F:C26	0.44	2.43	16	1
6:B:208:17F:H10	5:B:209:7Q9:C33	0.44	2.43	17	1
6:D:510:17F:H58	5:D:530:7Q9:C313	0.44	2.43	17	1
6:E:808:17F:C12	6:E:808:17F:H63	0.44	2.43	17	1
5:E:805:7Q9:C316	6:E:812:17F:H48	0.44	2.43	19	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:A:213:17F:O1	6:A:213:17F:H12	0.44	2.13	20	1
5:A:206:7Q9:C318	6:E:802:17F:C38	0.43	2.96	2	1
5:B:204:7Q9:C14	5:B:204:7Q9:P	0.43	3.06	4	4
2:D:280:GLU:HG3	5:D:542:7Q9:C315	0.43	2.43	2	1
5:D:513:7Q9:C36	5:D:532:7Q9:O21	0.43	2.66	2	1
5:E:868:7Q9:O31	5:E:868:7Q9:C34	0.43	2.64	2	1
6:D:511:17F:H11A	5:D:532:7Q9:C37	0.43	2.43	3	1
5:D:538:7Q9:O31	5:D:538:7Q9:O11	0.43	2.36	3	5
6:E:857:17F:H11	6:E:875:17F:C32	0.43	2.42	4	1
2:D:330:ALA:HB1	6:D:534:17F:H78	0.43	1.89	5	1
2:E:555:SER:N	6:E:873:17F:H65	0.43	2.28	7	2
6:D:520:17F:C39	6:D:520:17F:H48	0.43	2.43	8	1
5:D:555:7Q9:C310	5:E:849:7Q9:C316	0.43	2.96	8	1
6:E:820:17F:O1	5:E:830:7Q9:C14	0.43	2.66	8	1
5:E:849:7Q9:C13	5:E:849:7Q9:O22	0.43	2.66	11	2
5:D:523:7Q9:C1	5:D:550:7Q9:C23	0.43	2.96	9	1
2:D:439:LYS:HE3	2:E:714:LEU:HA	0.43	1.90	10	1
6:D:533:17F:O1	6:D:533:17F:O7	0.43	2.35	14	2
5:D:542:7Q9:C33	5:D:553:7Q9:C38	0.43	2.95	10	1
5:A:214:7Q9:C315	5:A:218:7Q9:C316	0.43	2.96	11	1
6:A:220:17F:H42	5:E:811:7Q9:C316	0.43	2.43	11	1
1:B:37:GLU:HG3	1:B:56:LEU:HD11	0.43	1.90	11	1
5:D:522:7Q9:C36	5:D:529:7Q9:O13	0.43	2.66	11	1
6:A:219:17F:H48	5:E:828:7Q9:C318	0.43	2.43	12	1
5:A:216:7Q9:C318	6:D:510:17F:C23	0.43	2.96	13	1
5:A:218:7Q9:O31	5:A:218:7Q9:C21	0.43	2.65	19	3
5:B:205:7Q9:C312	6:B:208:17F:C42	0.43	2.89	13	1
5:A:206:7Q9:C34	5:B:203:7Q9:C311	0.43	2.96	15	1
6:D:518:17F:H59	6:D:518:17F:C27	0.43	2.39	15	1
5:B:206:7Q9:O32	5:B:206:7Q9:C21	0.43	2.66	16	1
5:D:537:7Q9:C312	5:D:546:7Q9:C318	0.43	2.96	19	1
6:E:875:17F:O4	6:E:875:17F:C18	0.43	2.66	19	1
1:B:21:ILE:HD12	1:B:29:VAL:HG21	0.43	1.90	20	1
6:E:818:17F:C11	5:E:834:7Q9:C33	0.43	2.96	20	1
5:A:206:7Q9:O32	5:A:206:7Q9:C2	0.43	2.64	1	3
5:A:206:7Q9:C12	5:A:206:7Q9:O13	0.43	2.66	2	1
6:E:839:17F:H5	6:E:839:17F:O8	0.43	2.12	2	1
5:A:216:7Q9:C15	5:D:506:7Q9:O13	0.43	2.66	3	1
5:E:852:7Q9:C39	5:E:863:7Q9:C38	0.43	2.95	3	2
6:E:819:17F:C1	5:E:836:7Q9:O14	0.43	2.67	7	2
6:E:839:17F:H11A	6:E:857:17F:H35	0.43	1.89	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:A:213:17F:H71	6:A:213:17F:H49	0.43	1.89	5	1
6:A:213:17F:C22	5:D:507:7Q9:C33	0.43	2.96	5	2
6:D:510:17F:H68	6:D:510:17F:C30	0.43	2.44	11	2
5:D:531:7Q9:O21	5:D:531:7Q9:C11	0.43	2.66	15	2
6:E:819:17F:O10	6:E:819:17F:C4	0.43	2.63	6	1
5:A:214:7Q9:O32	5:A:218:7Q9:C22	0.43	2.67	7	1
6:E:808:17F:C41	6:E:808:17F:C29	0.43	2.96	7	1
5:D:512:7Q9:C3	5:D:536:7Q9:C13	0.43	2.96	8	1
5:E:864:7Q9:C11	5:E:874:7Q9:C33	0.43	2.96	8	1
5:E:843:7Q9:C12	5:E:860:7Q9:O13	0.43	2.66	11	1
5:A:205:7Q9:C1	5:A:212:7Q9:C1	0.43	2.95	12	1
5:E:859:7Q9:C22	5:E:878:7Q9:C38	0.43	2.97	12	1
5:D:542:7Q9:C13	5:D:542:7Q9:C1	0.43	2.96	13	1
2:E:579:THR:O	2:E:583:ARG:HG3	0.43	2.13	14	1
2:D:349:ARG:HG3	5:D:527:7Q9:C39	0.43	2.44	15	1
1:B:64:TYR:HB3	1:B:67:MET:HB2	0.43	1.90	16	1
5:D:503:7Q9:O11	5:D:503:7Q9:C21	0.43	2.66	17	1
5:A:217:7Q9:C314	5:D:554:7Q9:C316	0.43	2.96	20	1
5:D:529:7Q9:O22	5:D:529:7Q9:C1	0.43	2.63	20	1
6:E:829:17F:C12	5:E:852:7Q9:C34	0.43	2.85	20	1
5:E:852:7Q9:O32	5:E:852:7Q9:C21	0.43	2.66	11	6
6:E:875:17F:C6	6:E:875:17F:P1	0.43	3.06	2	1
5:B:205:7Q9:C315	6:B:208:17F:H71	0.43	2.42	3	1
6:B:208:17F:O2	5:B:209:7Q9:C15	0.43	2.66	3	1
5:D:513:7Q9:C22	5:D:513:7Q9:C13	0.43	2.96	3	1
6:E:857:17F:C31	6:E:857:17F:C35	0.43	2.95	3	2
5:A:210:7Q9:C35	5:A:210:7Q9:O14	0.43	2.66	4	2
6:D:510:17F:C17	6:D:533:17F:H19	0.43	2.42	6	1
5:E:835:7Q9:O22	5:E:835:7Q9:C1	0.43	2.62	6	3
5:D:512:7Q9:O11	5:D:512:7Q9:C21	0.43	2.66	7	2
6:A:220:17F:P1	5:D:503:7Q9:C14	0.43	3.06	12	1
6:E:806:17F:H54	6:E:806:17F:C39	0.43	2.43	13	1
1:A:47:ASP:HB3	1:B:132:ASP:HB2	0.43	1.89	17	1
6:D:510:17F:C21	6:D:511:17F:C31	0.43	2.92	17	1
5:E:813:7Q9:O13	5:E:813:7Q9:C2	0.43	2.66	18	1
6:A:208:17F:C10	6:A:208:17F:P1	0.43	3.06	20	1
6:D:511:17F:O4	5:D:532:7Q9:C13	0.43	2.67	20	1
5:B:210:7Q9:C311	5:E:823:7Q9:C318	0.43	2.95	1	2
6:E:808:17F:H49	6:E:810:17F:C29	0.43	2.43	12	2
5:E:831:7Q9:C34	5:E:851:7Q9:O13	0.43	2.67	2	1
6:D:511:17F:H61	6:D:511:17F:H36	0.43	1.90	3	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:D:513:7Q9:O22	5:D:513:7Q9:C1	0.43	2.62	3	1
5:D:530:7Q9:C35	5:D:532:7Q9:C34	0.43	2.96	3	1
5:A:218:7Q9:C15	5:D:513:7Q9:O13	0.43	2.67	4	1
6:D:520:17F:C30	5:E:841:7Q9:C318	0.43	2.94	4	2
5:E:825:7Q9:C32	6:E:842:17F:C20	0.43	2.84	5	1
5:E:838:7Q9:O13	6:E:842:17F:H5	0.43	2.13	5	1
6:E:857:17F:C39	6:E:875:17F:H65	0.43	2.42	5	1
6:A:208:17F:C4	6:A:208:17F:O10	0.43	2.64	8	1
2:D:326:LEU:HD22	2:E:637:LEU:HD12	0.43	1.90	8	1
6:D:511:17F:H55	6:E:829:17F:C29	0.43	2.44	8	1
6:D:520:17F:H48	6:D:520:17F:H70	0.43	1.89	8	1
6:A:208:17F:H35	6:A:208:17F:H65	0.43	1.89	11	1
1:B:97:ARG:NH1	1:B:101:LYS:HZ3	0.43	2.12	13	1
6:D:510:17F:H10	6:D:517:17F:H19A	0.43	1.90	14	1
6:A:213:17F:H35	5:D:509:7Q9:O22	0.43	2.13	16	1
5:E:821:7Q9:O22	5:E:821:7Q9:C1	0.43	2.64	16	2
5:D:538:7Q9:O13	5:D:538:7Q9:C12	0.43	2.65	17	1
5:E:867:7Q9:C33	5:E:877:7Q9:C33	0.43	2.96	17	1
5:D:502:7Q9:C38	5:D:502:7Q9:C312	0.43	2.94	18	1
1:A:117:LYS:HE2	3:A:201:GSP:N3	0.43	2.27	19	1
6:A:220:17F:C21	5:D:502:7Q9:C312	0.43	2.96	19	1
1:B:25:GLN:HB3	1:B:27:HIS:CD2	0.43	2.48	2	1
6:B:208:17F:C1X	5:B:209:7Q9:C39	0.43	2.97	3	1
5:B:204:7Q9:O14	5:B:204:7Q9:C12	0.43	2.66	4	2
2:D:298:GLN:N	2:D:299:PRO:HD2	0.43	2.29	8	6
6:A:208:17F:C22	6:B:208:17F:H60	0.43	2.42	7	1
6:A:208:17F:H55	5:E:816:7Q9:C315	0.43	2.43	7	1
6:E:873:17F:O7	6:E:873:17F:O6	0.43	2.36	7	2
5:D:503:7Q9:C313	6:D:519:17F:H45	0.43	2.43	8	1
6:A:219:17F:C42	5:D:505:7Q9:C316	0.43	2.97	9	1
5:E:821:7Q9:P	5:E:821:7Q9:C14	0.43	3.06	10	1
1:A:81:VAL:HA	1:A:114:VAL:O	0.43	2.13	11	1
5:D:546:7Q9:C21	5:D:546:7Q9:O31	0.43	2.67	11	1
6:E:839:17F:O10	6:E:839:17F:H9A	0.43	2.13	12	1
5:D:526:7Q9:C313	5:D:544:7Q9:C310	0.43	2.96	13	1
5:E:849:7Q9:C313	5:E:852:7Q9:C35	0.43	2.96	13	1
5:D:538:7Q9:O12	5:D:538:7Q9:C15	0.43	2.66	16	1
5:D:538:7Q9:O22	5:D:538:7Q9:C3	0.43	2.62	18	1
6:E:839:17F:C42	6:E:839:17F:C28	0.43	2.97	18	1
6:D:511:17F:H58	6:D:511:17F:H63	0.43	1.50	2	6
6:D:539:17F:H63	6:D:539:17F:C21	0.43	2.43	2	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:E:818:17F:H58	6:E:818:17F:H63	0.43	1.54	5	8
2:D:418:LEU:HD22	2:E:736:TYR:HD2	0.43	1.74	3	3
1:B:58:THR:HG21	1:B:71:TYR:CE1	0.43	2.48	18	4
6:E:806:17F:H74	5:E:811:7Q9:C313	0.43	2.43	4	1
6:E:839:17F:H52	5:E:858:7Q9:C313	0.43	2.44	5	1
6:D:510:17F:C17	6:D:517:17F:C9	0.43	2.97	18	2
2:D:430:LEU:HD22	6:D:539:17F:H33	0.43	1.89	7	1
5:D:504:7Q9:C311	5:D:508:7Q9:C310	0.43	2.95	7	1
6:E:818:17F:C11	5:E:821:7Q9:C23	0.43	2.88	7	1
5:E:862:7Q9:C3	5:E:877:7Q9:C11	0.43	2.97	7	1
5:E:816:7Q9:O31	5:E:816:7Q9:C34	0.43	2.66	8	4
6:E:857:17F:H71	6:E:875:17F:H61	0.43	1.89	8	1
6:E:808:17F:H18A	6:E:810:17F:C18	0.43	2.42	10	1
6:E:875:17F:H78	6:E:875:17F:C30	0.43	2.43	13	1
5:D:514:7Q9:C15	5:D:525:7Q9:O22	0.43	2.67	15	1
6:A:208:17F:H49	6:A:208:17F:H71	0.43	1.88	16	1
6:A:208:17F:H58	6:A:208:17F:H36	0.43	1.89	16	1
6:E:812:17F:H70	5:E:823:7Q9:C316	0.43	2.44	16	1
5:D:537:7Q9:C38	5:D:546:7Q9:C37	0.43	2.96	17	1
6:E:819:17F:O9	6:E:819:17F:O8	0.43	2.35	18	1
5:A:207:7Q9:C33	5:A:215:7Q9:C3	0.43	2.96	19	1
5:E:849:7Q9:O14	5:E:878:7Q9:C15	0.43	2.66	19	1
6:A:213:17F:C24	6:A:213:17F:C1Z	0.43	2.94	20	1
6:D:510:17F:H18	6:D:517:17F:H8	0.43	1.91	1	1
5:E:813:7Q9:C32	5:E:816:7Q9:C312	0.43	2.96	1	1
5:A:211:7Q9:O31	5:A:211:7Q9:C34	0.43	2.66	2	1
5:E:877:7Q9:C34	5:E:877:7Q9:O32	0.43	2.65	3	1
6:E:820:17F:H6A	5:E:837:7Q9:O22	0.43	2.14	7	1
5:A:206:7Q9:C318	6:E:802:17F:H67	0.43	2.44	9	1
2:D:319:VAL:HG23	2:E:644:LEU:HD21	0.43	1.90	9	1
5:D:509:7Q9:C36	5:D:531:7Q9:C312	0.43	2.96	9	1
5:E:828:7Q9:O13	5:E:851:7Q9:C2	0.43	2.67	9	1
5:D:512:7Q9:C2	5:D:536:7Q9:C13	0.43	2.96	10	1
6:E:808:17F:H72	5:E:814:7Q9:C312	0.43	2.44	11	1
5:A:209:7Q9:C13	5:A:209:7Q9:P	0.43	3.06	13	1
6:B:208:17F:H40	5:D:508:7Q9:C318	0.43	2.43	17	1
5:D:537:7Q9:P	5:D:546:7Q9:C12	0.43	3.07	18	1
6:D:520:17F:H70	6:D:520:17F:H48	0.43	1.91	19	1
6:A:220:17F:H10A	6:A:220:17F:C35	0.43	2.44	2	1
5:E:809:7Q9:C313	6:E:812:17F:H55	0.43	2.43	2	1
5:E:803:7Q9:O11	5:E:803:7Q9:C21	0.43	2.67	9	5

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:A:205:7Q9:C35	5:A:212:7Q9:O32	0.43	2.66	4	1
5:E:831:7Q9:C22	5:E:831:7Q9:C39	0.43	2.96	19	3
6:E:839:17F:H8A	6:E:857:17F:H12	0.43	1.91	5	1
5:E:833:7Q9:O11	5:E:833:7Q9:O31	0.43	2.37	6	2
5:E:847:7Q9:C13	6:E:873:17F:O4	0.43	2.67	6	2
5:D:512:7Q9:C317	6:D:534:17F:H40	0.43	2.43	7	1
6:D:518:17F:C26	5:D:549:7Q9:C311	0.43	2.97	7	1
6:E:802:17F:O8	5:E:803:7Q9:C12	0.43	2.67	8	1
2:D:272:TRP:HZ2	2:E:695:LYS:HB2	0.43	1.74	12	1
5:E:865:7Q9:P	5:E:865:7Q9:O21	0.43	2.77	12	2
6:A:213:17F:H8	6:A:213:17F:O2	0.43	2.13	20	2
5:A:215:7Q9:O22	5:A:216:7Q9:C22	0.43	2.66	14	1
6:E:808:17F:C33	6:E:808:17F:C12	0.43	2.96	14	1
5:D:515:7Q9:C15	6:D:519:17F:O10	0.43	2.67	15	1
1:B:19:LEU:HG	1:B:146:ALA:HB2	0.43	1.91	16	1
1:B:131:GLN:HG2	1:B:141:PHE:CE2	0.43	2.49	16	1
5:E:835:7Q9:C15	6:E:856:17F:O4	0.43	2.67	16	1
6:D:540:17F:C32	6:D:540:17F:H30	0.43	2.44	17	1
5:E:830:7Q9:C15	5:E:853:7Q9:C13	0.43	2.97	17	1
5:E:864:7Q9:C23	5:E:868:7Q9:C23	0.43	2.97	17	1
2:E:628:GLU:HA	2:E:631:ARG:CD	0.43	2.44	19	2
5:D:543:7Q9:C15	5:D:543:7Q9:O13	0.43	2.67	19	1
5:E:838:7Q9:C36	6:E:842:17F:H50	0.43	2.44	20	1
6:E:857:17F:H8	6:E:875:17F:O10	0.43	2.13	20	1
6:A:213:17F:H62	6:A:213:17F:H41	0.43	1.91	1	1
5:E:817:7Q9:C311	5:E:826:7Q9:C311	0.43	2.97	6	2
5:E:834:7Q9:O22	6:E:839:17F:H20	0.43	2.13	5	2
2:E:591:GLU:HA	2:E:594:LYS:HE2	0.43	1.90	2	1
5:E:809:7Q9:O14	5:E:809:7Q9:C12	0.43	2.67	8	4
5:D:521:7Q9:C14	5:D:522:7Q9:O14	0.43	2.67	3	1
6:E:820:17F:H58	6:E:820:17F:H62	0.43	1.63	13	4
5:E:835:7Q9:O14	5:E:850:7Q9:C12	0.43	2.66	3	1
6:E:839:17F:H29	5:E:858:7Q9:C310	0.43	2.44	9	1
2:D:434:GLU:OE1	2:D:434:GLU:HA	0.43	2.14	11	1
5:D:537:7Q9:C1	5:D:537:7Q9:C31	0.43	2.96	12	1
6:D:517:17F:H66	6:D:517:17F:C28	0.43	2.43	13	1
5:D:550:7Q9:C23	6:D:552:17F:HN1A	0.43	2.27	15	1
6:E:839:17F:H50	6:E:875:17F:H51	0.43	1.91	17	1
2:E:631:ARG:HB2	5:E:878:7Q9:C35	0.43	2.42	18	1
6:A:213:17F:H40	6:A:213:17F:C10	0.43	2.43	19	1
5:E:817:7Q9:O22	5:E:817:7Q9:C1	0.43	2.62	1	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:E:615:TYR:O	2:E:619:VAL:HG23	0.43	2.13	2	1
5:E:815:7Q9:O11	5:E:815:7Q9:C21	0.43	2.67	2	4
5:E:827:7Q9:O22	5:E:827:7Q9:C1	0.43	2.62	2	4
1:A:64:TYR:O	1:A:68:ARG:HB2	0.43	2.14	3	1
6:A:208:17F:H33	6:A:219:17F:H10A	0.43	1.90	3	1
2:D:327:GLN:OE1	6:D:534:17F:H32	0.43	2.14	3	1
6:D:510:17F:H36	6:D:510:17F:C25	0.43	2.44	13	2
6:E:806:17F:H5	5:E:817:7Q9:O32	0.43	2.14	3	1
5:E:838:7Q9:C37	5:E:861:7Q9:C39	0.43	2.97	3	1
5:E:848:7Q9:C12	5:E:848:7Q9:O13	0.43	2.67	3	1
2:D:320:GLU:HA	2:D:323:ARG:HD3	0.43	1.89	5	1
5:D:555:7Q9:O32	5:E:852:7Q9:C22	0.43	2.66	5	1
1:A:131:GLN:HB3	1:B:161:ARG:CZ	0.43	2.43	6	1
5:D:553:7Q9:C14	5:D:553:7Q9:O14	0.43	2.67	7	1
6:E:871:17F:H59	6:E:871:17F:H62	0.43	1.60	7	2
5:E:869:7Q9:O32	5:E:874:7Q9:C23	0.43	2.67	8	1
1:B:126:ASP:HB3	1:B:129:GLN:HG2	0.43	1.90	9	1
5:A:214:7Q9:C22	5:D:507:7Q9:C23	0.43	2.96	10	1
5:A:212:7Q9:C23	5:A:217:7Q9:C2	0.43	2.97	11	1
5:D:505:7Q9:O21	5:D:505:7Q9:O32	0.43	2.37	12	2
6:D:510:17F:H57	6:D:533:17F:C34	0.43	2.33	13	1
6:A:213:17F:O1	6:A:213:17F:H20A	0.43	2.13	14	1
5:E:811:7Q9:C23	5:E:817:7Q9:C38	0.43	2.97	14	1
6:E:857:17F:C11	6:E:875:17F:H5	0.43	2.44	14	1
5:B:206:7Q9:O32	5:B:206:7Q9:C34	0.43	2.67	15	1
6:E:819:17F:H45	6:E:819:17F:H74	0.43	1.90	16	1
6:E:808:17F:C30	6:E:819:17F:H75	0.43	2.36	17	1
5:E:814:7Q9:C314	6:E:819:17F:C30	0.43	2.88	17	1
5:E:862:7Q9:O21	5:E:877:7Q9:C1	0.43	2.67	17	1
5:E:807:7Q9:C15	5:E:807:7Q9:O11	0.43	2.67	18	1
6:E:819:17F:O10	6:E:819:17F:H4	0.43	2.14	18	1
5:E:853:7Q9:O13	5:E:853:7Q9:C12	0.42	2.67	20	3
1:B:49:GLU:HB3	1:B:164:ARG:NH2	0.42	2.29	20	2
5:D:532:7Q9:C13	5:D:532:7Q9:C31	0.42	2.97	3	1
6:E:856:17F:O8	6:E:856:17F:H20A	0.42	2.14	3	1
5:E:870:7Q9:C22	6:E:873:17F:C12	0.42	2.97	3	1
5:D:502:7Q9:C21	5:D:502:7Q9:O14	0.42	2.67	5	1
5:D:507:7Q9:C317	5:E:836:7Q9:C316	0.42	2.97	5	1
2:D:347:GLU:O	2:D:351:ARG:HG3	0.42	2.13	6	1
1:A:14:VAL:CG2	1:A:16:LYS:HG3	0.42	2.44	7	2
5:A:216:7Q9:C32	6:D:517:17F:H31	0.42	2.44	7	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:E:808:17F:H74	6:E:808:17F:H50	0.42	1.90	7	1
6:D:519:17F:C1X	6:D:519:17F:C23	0.42	2.92	9	3
5:D:525:7Q9:C14	5:D:525:7Q9:C1	0.42	2.97	9	2
5:A:212:7Q9:C34	5:A:212:7Q9:O32	0.42	2.67	10	1
6:E:808:17F:H59	6:E:808:17F:H63	0.42	1.62	10	1
6:D:518:17F:H29	6:D:518:17F:H18A	0.42	1.90	11	1
5:E:827:7Q9:C13	5:E:850:7Q9:C13	0.42	2.97	11	1
2:D:272:TRP:CZ2	2:E:695:LYS:HB2	0.42	2.49	12	1
5:D:553:7Q9:C12	5:D:553:7Q9:O11	0.42	2.67	12	2
5:B:205:7Q9:C312	6:B:208:17F:H65	0.42	2.44	13	1
2:D:421:VAL:HB	2:E:736:TYR:HE2	0.42	1.73	14	1
5:A:204:7Q9:C32	5:A:211:7Q9:C39	0.42	2.96	16	1
2:E:716:GLN:OE1	2:E:716:GLN:HA	0.42	2.14	18	1
6:A:219:17F:H42	5:D:505:7Q9:C36	0.42	2.44	20	1
5:D:506:7Q9:C314	6:D:517:17F:H53	0.42	2.44	20	1
5:A:206:7Q9:C311	5:A:206:7Q9:C37	0.42	2.96	1	1
6:E:839:17F:H8A	6:E:857:17F:C22	0.42	2.45	1	1
6:E:875:17F:O10	6:E:875:17F:C4	0.42	2.58	2	1
6:D:518:17F:H18A	5:D:551:7Q9:C33	0.42	2.45	4	1
6:E:842:17F:C22	5:E:877:7Q9:C34	0.42	2.98	4	1
5:B:206:7Q9:O22	5:D:501:7Q9:C15	0.42	2.67	5	1
5:E:837:7Q9:O21	5:E:837:7Q9:O32	0.42	2.38	6	2
5:A:212:7Q9:C34	5:D:505:7Q9:C32	0.42	2.97	7	1
6:D:519:17F:H67	6:D:519:17F:H52	0.42	1.88	7	1
5:A:210:7Q9:O14	5:A:210:7Q9:C12	0.42	2.66	8	2
6:E:873:17F:C17	6:E:873:17F:O8	0.42	2.67	9	2
5:E:823:7Q9:C13	5:E:824:7Q9:C1	0.42	2.97	10	1
5:E:824:7Q9:C311	5:E:840:7Q9:C310	0.42	2.97	11	1
2:E:634:LEU:HD22	5:E:878:7Q9:C315	0.42	2.44	12	1
6:E:802:17F:H5	5:E:804:7Q9:O14	0.42	2.14	12	1
6:E:857:17F:N1	6:E:857:17F:P1	0.42	2.92	13	1
5:D:525:7Q9:C312	5:D:546:7Q9:C310	0.42	2.97	14	1
5:A:212:7Q9:C314	6:A:219:17F:C30	0.42	2.94	16	1
5:A:217:7Q9:C13	5:A:217:7Q9:P	0.42	3.07	16	1
2:D:257:PHE:CE2	2:E:706:LYS:HD3	0.42	2.49	16	1
6:E:808:17F:H55	6:E:819:17F:H78	0.42	1.90	16	1
5:E:811:7Q9:C23	5:E:817:7Q9:C311	0.42	2.97	19	1
1:B:49:GLU:HG2	1:B:50:THR:N	0.42	2.29	20	1
6:E:802:17F:O8	5:E:803:7Q9:C11	0.42	2.66	20	1
5:E:841:7Q9:C39	5:E:850:7Q9:C317	0.42	2.97	20	1
2:D:419:LEU:HD12	2:D:422:LEU:HD23	0.42	1.91	1	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:811:7Q9:O22	5:E:811:7Q9:C1	0.42	2.63	1	1
6:E:812:17F:O8	6:E:812:17F:C4	0.42	2.67	1	3
5:E:844:7Q9:C23	5:E:865:7Q9:C1	0.42	2.97	1	2
5:B:206:7Q9:C317	6:E:812:17F:H76	0.42	2.45	2	1
5:D:504:7Q9:C1	5:D:508:7Q9:C14	0.42	2.97	3	1
5:E:807:7Q9:O22	5:E:807:7Q9:C1	0.42	2.63	3	1
6:E:873:17F:H36	6:E:873:17F:H39	0.42	1.60	17	6
5:B:207:7Q9:C13	5:D:506:7Q9:O14	0.42	2.67	4	1
6:D:552:17F:C1Y	6:D:552:17F:O10	0.42	2.67	4	1
6:D:533:17F:H18A	6:D:533:17F:C1	0.42	2.43	5	1
6:E:810:17F:C31	6:E:810:17F:C1X	0.42	2.97	5	1
6:E:818:17F:O10	5:E:821:7Q9:C11	0.42	2.68	5	2
5:E:835:7Q9:C35	6:E:856:17F:C33	0.42	2.97	5	1
6:E:808:17F:C33	6:E:820:17F:C1X	0.42	2.96	6	2
1:A:126:ASP:OD1	1:A:128:LYS:HD3	0.42	2.15	7	1
5:D:513:7Q9:O31	6:D:534:17F:H5	0.42	2.14	7	1
5:E:817:7Q9:C13	5:E:826:7Q9:O22	0.42	2.68	7	1
5:A:210:7Q9:C312	5:A:210:7Q9:C38	0.42	2.97	8	1
5:E:805:7Q9:O22	5:E:805:7Q9:C3	0.42	2.64	10	1
5:D:524:7Q9:C13	6:D:539:17F:H1A	0.42	2.43	11	1
5:A:203:7Q9:C15	5:B:203:7Q9:O31	0.42	2.66	13	1
1:A:15:GLY:HA2	3:A:201:GSP:C8	0.42	2.49	14	1
2:E:627:GLN:O	2:E:631:ARG:HG3	0.42	2.14	15	1
5:E:833:7Q9:C22	6:E:839:17F:C6	0.42	2.96	15	1
5:A:211:7Q9:C311	6:A:213:17F:C36	0.42	2.90	17	1
5:B:209:7Q9:C317	5:E:823:7Q9:C313	0.42	2.98	17	1
6:E:839:17F:H12	6:E:857:17F:H37	0.42	1.90	18	1
5:A:209:7Q9:C23	5:A:214:7Q9:C34	0.42	2.97	19	1
6:E:842:17F:C21	5:E:877:7Q9:O31	0.42	2.64	20	1
6:A:219:17F:H75	6:A:219:17F:H46	0.42	1.90	12	2
6:D:517:17F:C5	6:D:517:17F:O2	0.42	2.68	1	1
6:E:806:17F:O8	6:E:806:17F:O9	0.42	2.37	1	1
5:E:813:7Q9:O31	5:E:813:7Q9:C21	0.42	2.67	14	4
5:A:204:7Q9:O31	5:A:211:7Q9:O22	0.42	2.36	3	1
2:D:258:SER:HB3	5:D:550:7Q9:C38	0.42	2.44	3	1
6:D:533:17F:H46	6:D:533:17F:C40	0.42	2.44	3	1
5:A:205:7Q9:C22	5:A:205:7Q9:C14	0.42	2.98	4	1
5:D:512:7Q9:O21	5:D:512:7Q9:C31	0.42	2.67	4	2
5:E:843:7Q9:C310	5:E:862:7Q9:C313	0.42	2.96	4	1
5:D:502:7Q9:O31	5:D:502:7Q9:O22	0.42	2.37	5	2
5:D:524:7Q9:C310	6:D:539:17F:H11	0.42	2.44	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:807:7Q9:C315	6:E:818:17F:H53	0.42	2.45	8	1
5:E:865:7Q9:O32	5:E:865:7Q9:C34	0.42	2.68	10	2
5:D:526:7Q9:O21	5:D:526:7Q9:P	0.42	2.78	9	2
5:D:526:7Q9:C32	5:D:531:7Q9:C36	0.42	2.97	11	1
5:E:824:7Q9:C14	5:E:824:7Q9:P	0.42	3.07	12	1
2:D:334:LEU:CB	5:D:538:7Q9:C312	0.42	2.98	13	1
6:E:842:17F:H29	6:E:842:17F:C24	0.42	2.44	13	1
5:A:209:7Q9:C32	5:A:209:7Q9:C15	0.42	2.98	14	1
5:E:815:7Q9:C310	6:E:818:17F:H55	0.42	2.45	14	1
1:B:118:CYS:SG	1:B:143:GLU:HB3	0.42	2.55	15	1
5:A:205:7Q9:C1	5:A:212:7Q9:O32	0.42	2.67	17	1
5:A:215:7Q9:C37	6:D:511:17F:H78	0.42	2.44	18	2
6:D:510:17F:C8	6:D:517:17F:O9	0.42	2.65	8	2
5:E:845:7Q9:C37	5:E:845:7Q9:C311	0.42	2.98	2	1
5:D:550:7Q9:C315	6:D:552:17F:H50	0.42	2.44	3	1
6:B:208:17F:H18A	5:D:504:7Q9:O32	0.42	2.14	4	1
5:D:525:7Q9:C23	5:D:525:7Q9:O32	0.42	2.67	4	1
6:E:808:17F:C25	6:E:810:17F:H62	0.42	2.44	4	1
6:E:839:17F:O10	6:E:839:17F:H9	0.42	2.13	4	1
6:E:873:17F:O8	6:E:873:17F:H10A	0.42	2.14	4	1
5:E:803:7Q9:C314	6:E:810:17F:H70	0.42	2.44	6	1
5:E:811:7Q9:C12	5:E:817:7Q9:C31	0.42	2.98	6	1
5:A:215:7Q9:C21	5:A:216:7Q9:C22	0.42	2.97	7	1
5:D:504:7Q9:C317	5:E:831:7Q9:C318	0.42	2.97	7	1
1:B:32:TYR:CZ	3:B:201:GSP:H5'2	0.42	2.49	8	1
5:D:551:7Q9:C15	5:D:551:7Q9:O11	0.42	2.68	9	1
6:E:857:17F:C39	6:E:875:17F:C34	0.42	2.92	9	1
5:E:801:7Q9:O11	5:E:801:7Q9:C21	0.42	2.68	19	3
5:A:209:7Q9:C12	5:A:209:7Q9:O14	0.42	2.67	16	2
5:E:849:7Q9:C314	5:E:852:7Q9:C35	0.42	2.96	13	1
5:D:544:7Q9:O12	5:D:544:7Q9:O21	0.42	2.37	14	1
5:E:834:7Q9:C23	6:E:839:17F:H20	0.42	2.44	14	1
5:B:206:7Q9:C15	5:B:206:7Q9:P	0.42	3.08	15	1
6:E:806:17F:O10	6:E:806:17F:H4	0.42	2.14	15	1
5:E:836:7Q9:O22	5:E:836:7Q9:C13	0.42	2.67	15	1
6:B:208:17F:C12	5:E:823:7Q9:C318	0.42	2.98	17	1
2:D:352:ALA:HB1	5:D:527:7Q9:C316	0.42	2.44	18	1
6:A:208:17F:C25	6:A:219:17F:C12	0.42	2.97	20	1
6:D:520:17F:H52	5:E:841:7Q9:C313	0.42	2.44	20	1
5:D:524:7Q9:C13	6:D:539:17F:H8	0.42	2.44	1	1
6:E:871:17F:C9	5:E:872:7Q9:O14	0.42	2.65	1	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:A:204:7Q9:O11	5:A:204:7Q9:C21	0.42	2.68	2	3
6:D:517:17F:C21	6:D:533:17F:H72	0.42	2.25	2	1
6:E:820:17F:O1	5:E:830:7Q9:C12	0.42	2.67	3	1
5:A:216:7Q9:C311	5:A:216:7Q9:C37	0.42	2.94	4	1
2:E:659:LEU:HD21	6:E:875:17F:H69	0.42	1.90	4	1
6:E:819:17F:C3	5:E:825:7Q9:C13	0.42	2.97	5	1
5:E:838:7Q9:C14	6:E:842:17F:C18	0.42	2.98	5	1
5:D:506:7Q9:C15	6:D:517:17F:O5	0.42	2.67	6	1
6:E:802:17F:H50	6:E:802:17F:H78	0.42	1.90	6	1
6:A:208:17F:C21	6:B:208:17F:H34	0.42	2.44	7	1
5:A:215:7Q9:C316	5:E:821:7Q9:C310	0.42	2.98	8	1
5:D:530:7Q9:C14	5:D:530:7Q9:P	0.42	3.08	8	1
6:D:510:17F:H40	6:D:510:17F:H36	0.42	1.52	9	1
6:E:871:17F:H64	6:E:871:17F:H38	0.42	1.90	9	1
2:D:289:ASP:O	2:D:293:VAL:HG23	0.42	2.15	10	1
6:A:208:17F:C19	6:A:219:17F:H10	0.42	2.41	11	1
2:D:412:GLU:OE2	2:D:415:ARG:HD3	0.42	2.15	11	1
6:E:875:17F:H78	6:E:875:17F:H54	0.42	1.91	13	1
5:A:203:7Q9:C39	6:A:208:17F:H61	0.42	2.45	14	1
6:D:533:17F:H39	6:D:533:17F:H36	0.42	1.57	14	2
6:A:220:17F:H53	6:E:810:17F:H73	0.42	1.91	18	1
6:E:839:17F:H49	6:E:839:17F:H77	0.42	1.89	18	1
6:D:518:17F:O7	6:D:518:17F:O2	0.42	2.37	20	1
5:E:874:7Q9:C14	5:E:874:7Q9:C22	0.42	2.98	20	1
5:A:211:7Q9:C22	6:A:220:17F:H19A	0.42	2.44	1	1
5:A:212:7Q9:C37	5:D:505:7Q9:C36	0.42	2.97	1	2
6:A:219:17F:H5	6:D:518:17F:H10	0.42	1.88	2	1
6:D:510:17F:C5	6:D:533:17F:C20	0.42	2.97	2	1
5:A:204:7Q9:C3	5:A:206:7Q9:C11	0.42	2.98	3	1
6:E:812:17F:H34	6:E:812:17F:C8	0.42	2.44	3	1
6:E:808:17F:H74	6:E:808:17F:H47	0.42	1.91	4	1
5:E:801:7Q9:C318	6:E:871:17F:H67	0.42	2.45	5	1
6:E:808:17F:C12	6:E:808:17F:C32	0.42	2.98	6	1
5:E:821:7Q9:O22	6:E:839:17F:H18	0.42	2.15	6	1
6:A:213:17F:C30	5:D:503:7Q9:C315	0.42	2.91	8	1
5:A:218:7Q9:O22	5:D:513:7Q9:C14	0.42	2.67	8	1
6:E:875:17F:H58	6:E:875:17F:H63	0.42	1.62	10	2
5:A:214:7Q9:C3	5:D:513:7Q9:C1	0.42	2.98	11	1
6:E:810:17F:C37	6:E:810:17F:H52	0.42	2.45	11	1
5:A:217:7Q9:C3	5:A:217:7Q9:O22	0.42	2.61	12	1
5:E:803:7Q9:C314	6:E:810:17F:C40	0.42	2.97	12	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:A:206:7Q9:C11	5:A:211:7Q9:C22	0.42	2.98	13	1
6:E:808:17F:H63	6:E:808:17F:H59	0.42	1.65	14	2
1:A:19:LEU:HD23	1:A:146:ALA:HB2	0.42	1.91	14	1
6:E:820:17F:H73	6:E:820:17F:C29	0.42	2.24	14	1
5:D:506:7Q9:O21	5:D:506:7Q9:P	0.42	2.78	15	1
6:D:540:17F:H49	5:D:542:7Q9:C313	0.42	2.44	15	1
6:E:806:17F:H18A	6:E:806:17F:H10	0.42	1.92	17	1
5:E:826:7Q9:C12	5:E:826:7Q9:O13	0.42	2.68	17	1
6:A:219:17F:H6	6:D:518:17F:H11A	0.42	1.88	18	1
5:B:204:7Q9:C21	5:B:204:7Q9:O32	0.42	2.68	18	1
6:E:842:17F:C36	6:E:842:17F:H59	0.42	2.43	19	1
5:D:536:7Q9:O32	5:D:536:7Q9:O21	0.42	2.38	12	2
5:E:870:7Q9:C1	5:E:870:7Q9:O22	0.42	2.63	1	1
5:A:218:7Q9:C21	5:A:218:7Q9:O31	0.42	2.67	2	1
6:A:219:17F:C4	6:D:518:17F:H9	0.42	2.45	2	1
5:B:206:7Q9:O22	5:D:501:7Q9:C13	0.42	2.68	2	1
6:D:510:17F:H55	6:D:533:17F:H77	0.42	1.91	2	1
6:A:208:17F:H46	6:A:208:17F:H64	0.42	1.90	5	1
2:D:335:HIS:O	2:D:339:GLU:HB2	0.42	2.15	7	1
5:D:549:7Q9:C314	5:E:870:7Q9:C315	0.42	2.97	7	1
1:A:41:ARG:HA	1:A:53:LEU:O	0.42	2.15	9	1
5:A:211:7Q9:C23	6:A:213:17F:H6A	0.42	2.45	10	1
5:B:210:7Q9:C315	5:D:501:7Q9:C33	0.42	2.98	10	1
6:E:873:17F:H39	6:E:873:17F:H56	0.42	1.91	10	1
6:D:518:17F:H63	6:D:518:17F:C31	0.42	2.41	11	1
6:E:839:17F:O10	6:E:839:17F:C9	0.42	2.67	12	1
5:A:212:7Q9:O32	5:A:212:7Q9:C34	0.42	2.68	13	1
6:E:857:17F:H69	6:E:857:17F:C21	0.42	2.45	14	1
5:D:527:7Q9:O21	5:D:527:7Q9:C31	0.42	2.67	15	2
5:D:550:7Q9:C14	6:D:552:17F:O4	0.42	2.68	16	1
5:D:524:7Q9:C318	5:D:543:7Q9:C39	0.42	2.97	17	1
6:E:808:17F:H65	6:E:819:17F:H37	0.42	1.91	17	1
5:E:855:7Q9:O14	5:E:855:7Q9:C12	0.42	2.67	19	1
6:D:510:17F:H31	6:D:510:17F:C17	0.42	2.45	20	1
6:D:552:17F:H56	6:D:552:17F:H9A	0.42	1.92	20	1
6:E:820:17F:H18A	5:E:853:7Q9:C33	0.42	2.44	20	1
5:E:835:7Q9:C318	6:E:856:17F:C39	0.42	2.97	20	1
1:B:92:ASP:HA	1:B:95:HIS:CD2	0.42	2.37	1	1
6:A:220:17F:H58	6:A:220:17F:H63	0.42	1.65	3	2
2:D:434:GLU:O	2:D:438:LYS:HG3	0.42	2.14	7	2
6:D:510:17F:H29	6:D:517:17F:C8	0.42	2.44	5	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:E:814:7Q9:C39	6:E:820:17F:C21	0.42	2.98	6	1
6:A:208:17F:H19	5:A:212:7Q9:C37	0.42	2.45	7	1
5:E:807:7Q9:C311	5:E:807:7Q9:C35	0.42	2.98	7	1
6:E:829:17F:H64	5:E:830:7Q9:C318	0.42	2.45	7	1
5:E:837:7Q9:C310	5:E:853:7Q9:C318	0.42	2.98	7	1
1:A:37:GLU:HA	1:A:57:ASP:O	0.42	2.15	9	1
6:D:552:17F:H56	6:D:552:17F:H9	0.42	1.90	9	1
6:D:518:17F:H36	6:D:518:17F:H39	0.42	1.64	16	6
5:D:531:7Q9:O22	5:D:531:7Q9:C1	0.42	2.64	19	3
6:A:208:17F:H60	5:A:212:7Q9:C36	0.42	2.45	13	1
5:E:826:7Q9:C310	5:E:845:7Q9:C39	0.42	2.97	13	1
5:A:211:7Q9:C22	6:A:213:17F:C31	0.42	2.98	17	1
5:A:206:7Q9:C34	5:B:203:7Q9:C313	0.42	2.98	18	1
6:E:806:17F:O2	6:E:806:17F:N1	0.42	2.41	18	1
5:E:847:7Q9:C22	5:E:848:7Q9:C32	0.42	2.98	18	1
6:A:219:17F:O4	5:D:504:7Q9:C13	0.42	2.67	19	1
2:D:257:PHE:CZ	2:E:706:LYS:HG2	0.42	2.49	20	1
5:D:506:7Q9:C314	6:D:517:17F:C30	0.42	2.98	20	1
6:D:510:17F:C42	6:D:533:17F:H76	0.42	2.45	20	1
6:D:517:17F:C22	6:D:517:17F:C26	0.42	2.98	20	1
5:D:524:7Q9:C13	6:D:539:17F:H10	0.42	2.45	1	1
1:B:146:ALA:N	3:B:201:GSP:O6	0.42	2.52	2	1
5:D:526:7Q9:O22	5:D:544:7Q9:C3	0.42	2.68	2	1
5:D:529:7Q9:O14	5:D:529:7Q9:C12	0.42	2.68	3	1
6:D:552:17F:H39	6:D:552:17F:H35	0.42	1.58	18	3
6:D:517:17F:C41	6:D:533:17F:C30	0.42	2.98	5	1
5:D:538:7Q9:O11	5:D:538:7Q9:O31	0.42	2.38	5	1
6:D:518:17F:C18	5:D:551:7Q9:C37	0.42	2.98	6	1
6:E:819:17F:H40	6:E:820:17F:H38	0.42	1.92	7	1
6:A:208:17F:C1Y	6:A:219:17F:C10	0.42	2.82	8	1
6:D:539:17F:H63	5:D:549:7Q9:C22	0.42	2.44	8	1
5:E:835:7Q9:C33	6:E:856:17F:H19A	0.42	2.44	9	1
5:D:503:7Q9:O14	6:D:519:17F:H31	0.42	2.15	10	1
5:E:850:7Q9:C316	5:E:868:7Q9:C314	0.42	2.98	11	1
5:D:537:7Q9:O22	5:D:548:7Q9:C310	0.42	2.67	12	1
5:E:817:7Q9:O21	5:E:817:7Q9:C31	0.42	2.68	12	1
5:B:205:7Q9:C22	5:B:206:7Q9:C33	0.42	2.97	14	1
5:D:544:7Q9:O22	5:D:544:7Q9:C1	0.42	2.62	17	2
5:E:813:7Q9:C1	5:E:816:7Q9:C2	0.42	2.98	14	1
6:D:518:17F:H48	6:D:518:17F:C33	0.42	2.44	15	1
6:A:213:17F:C12	6:A:213:17F:H31	0.42	2.38	16	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:D:508:7Q9:O14	5:D:523:7Q9:C15	0.42	2.67	17	1
5:D:505:7Q9:C31	5:D:505:7Q9:O21	0.42	2.67	19	1
6:D:533:17F:H53	6:E:839:17F:C41	0.42	2.45	20	1
1:A:145:SER:HB3	1:A:148:THR:OG1	0.41	2.15	1	1
5:D:509:7Q9:C1	5:D:509:7Q9:C31	0.41	2.98	1	1
5:D:505:7Q9:C15	6:D:518:17F:O8	0.41	2.68	2	2
6:D:517:17F:H49	6:D:517:17F:H42	0.41	1.87	3	1
5:D:546:7Q9:O12	5:D:546:7Q9:C2	0.41	2.67	3	2
6:E:810:17F:H62	6:E:819:17F:H75	0.41	1.90	3	1
6:A:208:17F:H41	6:A:219:17F:H10A	0.41	1.90	6	2
6:E:856:17F:H39	6:E:856:17F:H36	0.41	1.54	8	2
6:E:819:17F:C10	6:E:820:17F:H10	0.41	2.45	7	1
6:D:510:17F:H20	6:D:533:17F:H60	0.41	1.92	9	1
6:D:552:17F:O1	6:D:552:17F:C2	0.41	2.68	9	1
2:D:384:ASN:O	2:D:388:ARG:HD3	0.41	2.15	10	1
2:D:374:LEU:HD13	2:E:590:LEU:HD22	0.41	1.92	11	1
5:E:827:7Q9:C318	5:E:841:7Q9:C310	0.41	2.98	15	1
6:E:819:17F:H10A	6:E:820:17F:C9	0.41	2.45	16	1
2:E:711:LEU:O	2:E:715:ARG:HG2	0.41	2.15	20	1
5:E:817:7Q9:C39	5:E:832:7Q9:C23	0.41	2.98	20	1
5:E:816:7Q9:C34	5:E:828:7Q9:O22	0.41	2.69	16	2
2:D:333:LYS:HD2	5:D:538:7Q9:C314	0.41	2.45	2	1
5:B:203:7Q9:C22	5:B:203:7Q9:C11	0.41	2.98	3	1
5:E:822:7Q9:O32	5:E:843:7Q9:C13	0.41	2.68	3	1
5:E:828:7Q9:O21	5:E:828:7Q9:C31	0.41	2.68	3	2
5:D:530:7Q9:O13	5:D:530:7Q9:C12	0.41	2.68	7	2
6:E:808:17F:H35	6:E:808:17F:H40	0.41	1.65	6	2
6:A:219:17F:H56	6:A:219:17F:H62	0.41	1.90	8	1
2:D:395:LYS:HD3	2:E:568:THR:HG23	0.41	1.91	8	1
2:D:326:LEU:HD11	2:E:641:LEU:HD13	0.41	1.92	9	1
5:D:535:7Q9:O14	5:D:535:7Q9:C12	0.41	2.67	14	2
5:D:524:7Q9:O13	5:D:543:7Q9:C13	0.41	2.68	14	2
6:E:842:17F:H29	6:E:842:17F:H39	0.41	1.92	11	1
5:A:210:7Q9:C22	5:A:211:7Q9:C34	0.41	2.98	12	1
5:E:862:7Q9:C21	5:E:877:7Q9:C11	0.41	2.98	12	1
6:B:208:17F:C12	5:B:209:7Q9:C39	0.41	2.87	16	1
5:B:209:7Q9:C318	5:E:824:7Q9:C315	0.41	2.98	16	1
6:E:802:17F:H62	6:E:802:17F:C1Z	0.41	2.45	18	1
5:E:814:7Q9:C15	5:E:814:7Q9:P	0.41	3.09	1	1
1:A:126:ASP:HB3	1:A:128:LYS:HG2	0.41	1.92	3	2
6:D:539:17F:H52	5:E:801:7Q9:C313	0.41	2.45	2	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:D:528:7Q9:O32	5:D:528:7Q9:C34	0.41	2.68	4	1
6:D:540:17F:C33	6:D:540:17F:H35	0.41	2.46	4	1
6:D:552:17F:H35	6:D:552:17F:H39	0.41	1.58	9	3
2:E:729:PHE:CE2	6:E:871:17F:H66	0.41	2.50	4	1
6:A:219:17F:C34	6:A:219:17F:H40	0.41	2.46	6	1
2:D:374:LEU:HD11	5:D:535:7Q9:C318	0.41	2.44	6	1
2:E:664:ALA:N	2:E:665:PRO:HD2	0.41	2.30	7	1
6:A:208:17F:H44	6:A:219:17F:H50	0.41	1.92	8	1
2:D:426:LYS:O	2:D:430:LEU:HG	0.41	2.16	10	1
6:E:802:17F:O6	6:E:802:17F:O7	0.41	2.38	11	2
5:E:811:7Q9:C23	5:E:826:7Q9:C37	0.41	2.98	12	1
6:A:219:17F:O8	6:A:219:17F:O9	0.41	2.39	13	1
6:D:517:17F:C37	6:D:517:17F:C28	0.41	2.94	13	1
6:E:806:17F:C4	5:E:811:7Q9:C14	0.41	2.99	13	1
5:B:204:7Q9:O13	5:B:204:7Q9:C2	0.41	2.69	14	1
5:B:204:7Q9:C12	5:B:204:7Q9:C1	0.41	2.98	18	1
6:A:213:17F:C33	6:A:213:17F:C10	0.41	2.99	19	1
2:E:671:ARG:HD2	5:E:858:7Q9:C22	0.41	2.45	19	1
5:D:501:7Q9:C2	5:D:522:7Q9:O22	0.41	2.69	20	1
2:E:729:PHE:CE2	6:E:871:17F:H63	0.41	2.51	20	1
6:E:857:17F:HN1	6:E:857:17F:P1	0.41	2.39	20	1
6:A:208:17F:H11A	6:A:208:17F:O1	0.41	2.15	1	1
5:D:505:7Q9:O11	5:D:505:7Q9:C21	0.41	2.69	1	2
6:E:875:17F:H49	6:E:875:17F:C41	0.41	2.45	11	2
5:B:204:7Q9:C317	6:E:812:17F:H49	0.41	2.45	3	1
5:D:535:7Q9:O13	5:D:535:7Q9:C2	0.41	2.69	11	2
2:E:674:LEU:CD2	6:E:856:17F:H12	0.41	2.45	4	1
6:A:213:17F:H66	6:A:213:17F:H49	0.41	1.93	5	1
6:D:540:17F:C8	5:D:545:7Q9:C36	0.41	2.98	5	1
5:E:803:7Q9:C312	6:E:806:17F:C37	0.41	2.98	6	1
6:E:808:17F:H40	6:E:808:17F:H35	0.41	1.70	7	2
5:D:549:7Q9:C37	5:D:551:7Q9:C312	0.41	2.97	10	1
5:E:835:7Q9:C38	5:E:850:7Q9:C310	0.41	2.98	11	1
5:E:851:7Q9:C39	6:E:871:17F:H20	0.41	2.45	11	1
6:A:213:17F:H48	6:A:213:17F:H66	0.41	1.91	12	1
6:E:802:17F:HN1	5:E:807:7Q9:C37	0.41	2.28	13	1
5:E:823:7Q9:O13	5:E:823:7Q9:C12	0.41	2.68	13	1
6:A:220:17F:H63	6:A:220:17F:H58	0.41	1.67	14	2
5:D:521:7Q9:O31	5:D:521:7Q9:C34	0.41	2.69	14	1
6:E:829:17F:H72	5:E:830:7Q9:C315	0.41	2.45	14	1
6:E:875:17F:H63	6:E:875:17F:H58	0.41	1.64	15	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:540:17F:C36	6:D:540:17F:H35	0.41	2.45	19	1
5:E:854:7Q9:O21	5:E:854:7Q9:C31	0.41	2.68	19	1
6:D:540:17F:H51	5:D:542:7Q9:C318	0.41	2.45	1	1
5:E:851:7Q9:C35	6:E:871:17F:H20A	0.41	2.46	2	1
2:D:334:LEU:CB	5:D:538:7Q9:C310	0.41	2.98	3	1
5:E:849:7Q9:C22	5:E:853:7Q9:C11	0.41	2.98	4	2
5:E:851:7Q9:O13	5:E:851:7Q9:C12	0.41	2.69	3	1
5:A:214:7Q9:C15	5:A:214:7Q9:O11	0.41	2.69	4	1
5:D:502:7Q9:O32	5:D:515:7Q9:P	0.41	2.78	4	1
2:E:558:SER:OG	6:E:873:17F:H69	0.41	2.16	4	1
6:D:539:17F:C36	6:D:539:17F:H59	0.41	2.45	6	1
5:A:212:7Q9:C35	5:A:212:7Q9:O32	0.41	2.68	7	1
5:A:212:7Q9:C23	5:A:217:7Q9:O22	0.41	2.68	7	1
5:A:214:7Q9:O22	5:A:214:7Q9:C3	0.41	2.65	7	1
5:D:521:7Q9:C3	5:D:521:7Q9:O14	0.41	2.68	7	1
6:D:517:17F:H47	6:D:517:17F:H64	0.41	1.92	8	1
6:D:539:17F:C36	6:D:539:17F:C32	0.41	2.79	8	1
6:E:812:17F:H41	6:E:812:17F:H36	0.41	1.91	8	1
5:A:204:7Q9:C12	5:A:205:7Q9:C23	0.41	2.98	10	1
6:B:208:17F:H39	6:B:208:17F:H35	0.41	1.62	11	1
2:D:269:GLN:HG3	6:D:540:17F:H33	0.41	1.93	11	1
6:D:519:17F:H55	5:D:544:7Q9:C316	0.41	2.45	13	1
2:E:623:ARG:HA	2:E:626:LEU:HD12	0.41	1.91	14	1
5:D:516:7Q9:C14	5:D:516:7Q9:P	0.41	3.09	15	1
5:E:825:7Q9:C33	6:E:842:17F:C34	0.41	2.99	15	1
6:A:219:17F:O10	6:D:518:17F:H8	0.41	2.16	17	1
6:A:220:17F:C22	5:E:822:7Q9:C315	0.41	2.98	17	1
1:B:73:ARG:HG3	1:B:103:VAL:CG1	0.41	2.46	17	1
5:E:851:7Q9:C38	6:E:871:17F:H19A	0.41	2.46	20	2
6:A:208:17F:H35	6:A:208:17F:C36	0.41	2.46	18	1
6:D:510:17F:C25	6:D:510:17F:H36	0.41	2.46	18	1
5:D:522:7Q9:C14	5:D:553:7Q9:C31	0.41	2.99	18	1
6:A:220:17F:H48	6:A:220:17F:C37	0.41	2.44	19	1
5:E:868:7Q9:C38	5:E:868:7Q9:C312	0.41	2.97	20	1
5:A:215:7Q9:C39	6:D:510:17F:H41	0.41	2.45	1	1
5:B:209:7Q9:O13	5:B:209:7Q9:C2	0.41	2.68	1	1
5:E:853:7Q9:P	5:E:853:7Q9:O21	0.41	2.79	1	1
5:B:210:7Q9:C312	5:E:823:7Q9:C317	0.41	2.99	2	1
6:E:806:17F:O10	6:E:806:17F:C4	0.41	2.59	2	1
1:B:86:ASN:OD1	1:B:88:LYS:HB3	0.41	2.15	3	1
5:E:851:7Q9:C315	6:E:871:17F:C20	0.41	2.98	3	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:17:SER:N	3:A:201:GSP:O2B	0.41	2.52	4	1
6:E:839:17F:H42	6:E:839:17F:H71	0.41	1.92	4	1
2:D:352:ALA:O	2:D:356:VAL:HG23	0.41	2.16	5	2
6:E:829:17F:H72	5:E:830:7Q9:C310	0.41	2.44	5	1
2:E:663:LEU:HD21	6:E:875:17F:H42	0.41	1.92	7	1
2:E:601:LEU:HB3	5:E:867:7Q9:C37	0.41	2.46	8	1
6:D:511:17F:H40	6:D:511:17F:H66	0.41	1.93	11	1
1:A:79:LEU:HG	1:A:114:VAL:HG21	0.41	1.93	12	1
5:D:523:7Q9:C1	5:D:550:7Q9:C35	0.41	2.99	12	1
6:A:213:17F:H39	6:A:213:17F:H36	0.41	1.63	13	2
1:A:110:PRO:HB3	1:A:162:GLU:HB3	0.41	1.93	16	1
5:D:502:7Q9:O14	5:D:502:7Q9:C21	0.41	2.69	16	1
5:E:846:7Q9:O11	5:E:846:7Q9:C21	0.41	2.69	16	1
6:A:213:17F:O8	5:D:503:7Q9:C14	0.41	2.68	17	2
5:B:205:7Q9:C39	6:B:208:17F:C9	0.41	2.98	17	1
2:D:333:LYS:CD	5:E:878:7Q9:C318	0.41	2.98	17	1
5:D:508:7Q9:O32	5:D:524:7Q9:C32	0.41	2.69	18	1
1:A:16:LYS:HG3	3:A:201:GSP:O2G	0.41	2.15	19	1
6:D:510:17F:C32	6:D:533:17F:H66	0.41	2.46	20	1
5:E:858:7Q9:O21	5:E:858:7Q9:C31	0.41	2.69	1	1
5:D:505:7Q9:C13	5:D:528:7Q9:P	0.41	3.09	2	1
1:A:117:LYS:HE2	3:A:201:GSP:C5	0.41	2.50	3	1
1:B:81:VAL:HA	1:B:114:VAL:O	0.41	2.16	3	1
6:D:518:17F:H62	5:D:528:7Q9:C39	0.41	2.46	3	1
5:E:838:7Q9:P	5:E:838:7Q9:O21	0.41	2.79	3	1
5:E:861:7Q9:C3	5:E:867:7Q9:C14	0.41	2.99	3	1
5:A:207:7Q9:C34	5:A:215:7Q9:C3	0.41	2.99	4	1
1:B:3:GLU:HG3	1:B:52:LEU:HD23	0.41	1.92	5	2
6:E:819:17F:H12A	6:E:820:17F:C22	0.41	2.46	4	1
1:A:97:ARG:HD3	1:A:101:LYS:HE2	0.41	1.93	5	1
5:A:218:7Q9:O11	6:D:511:17F:H6	0.41	2.16	5	1
6:E:802:17F:H1	6:E:802:17F:C4	0.41	2.45	5	1
6:D:511:17F:H18A	6:D:511:17F:C2	0.41	2.43	6	2
5:E:869:7Q9:O32	5:E:874:7Q9:C15	0.41	2.69	7	1
1:B:15:GLY:HA2	3:B:201:GSP:O5'	0.41	2.15	8	1
5:E:835:7Q9:O21	5:E:835:7Q9:C31	0.41	2.69	8	2
5:A:212:7Q9:C31	5:A:212:7Q9:C1	0.41	2.98	9	1
5:A:218:7Q9:O11	5:A:218:7Q9:C21	0.41	2.69	9	2
6:E:819:17F:H49	5:E:836:7Q9:C312	0.41	2.45	10	1
5:E:848:7Q9:O22	5:E:848:7Q9:C1	0.41	2.66	10	1
5:D:506:7Q9:C34	6:D:517:17F:H32	0.41	2.45	11	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:D:512:7Q9:C23	5:D:536:7Q9:C33	0.41	2.98	11	1
5:D:506:7Q9:C15	6:D:517:17F:C3	0.41	2.99	12	1
5:A:218:7Q9:C2	6:D:511:17F:H6	0.41	2.46	13	1
6:E:842:17F:H2	6:E:842:17F:O2	0.41	2.16	13	1
5:D:513:7Q9:C313	5:D:532:7Q9:C315	0.41	2.99	14	1
5:D:513:7Q9:C315	6:D:534:17F:H45	0.41	2.46	14	1
5:E:835:7Q9:C318	6:E:856:17F:H75	0.41	2.45	14	1
5:A:207:7Q9:C22	5:A:207:7Q9:C15	0.41	2.99	16	1
1:B:110:PRO:HB3	1:B:162:GLU:HB3	0.41	1.92	16	1
5:D:550:7Q9:C23	6:D:552:17F:N1	0.41	2.83	18	1
5:E:833:7Q9:C13	6:E:839:17F:H4A	0.41	2.45	19	1
6:A:219:17F:H69	6:D:518:17F:H35	0.41	1.93	20	1
6:D:552:17F:O10	6:D:552:17F:C6	0.41	2.65	20	1
6:E:842:17F:H2	6:E:842:17F:O6	0.41	2.14	20	1
1:A:144:THR:HG22	1:A:151:GLY:HA3	0.41	1.91	1	1
5:B:209:7Q9:C12	5:B:209:7Q9:O14	0.41	2.69	1	1
1:B:158:THR:HA	1:B:161:ARG:HE	0.41	1.76	2	1
6:A:213:17F:H37	5:D:509:7Q9:C23	0.41	2.45	3	1
6:D:534:17F:H37	6:D:534:17F:H69	0.41	1.92	3	1
5:E:851:7Q9:C313	6:E:871:17F:C20	0.41	2.99	3	2
5:E:877:7Q9:C14	5:E:877:7Q9:P	0.41	3.09	3	1
6:E:812:17F:H2	6:E:812:17F:O6	0.41	2.16	4	1
6:E:842:17F:H29	6:E:842:17F:H41	0.41	1.92	4	1
5:A:204:7Q9:C38	5:A:211:7Q9:C37	0.41	2.98	5	1
6:E:829:17F:H30	5:E:849:7Q9:C23	0.41	2.46	8	1
5:E:833:7Q9:O21	5:E:833:7Q9:O32	0.41	2.39	9	1
5:D:535:7Q9:C3	5:D:535:7Q9:O22	0.41	2.64	10	1
6:A:213:17F:H66	6:A:213:17F:C27	0.41	2.46	12	1
5:A:212:7Q9:O21	5:A:212:7Q9:P	0.41	2.79	13	1
5:B:205:7Q9:O13	5:B:206:7Q9:C13	0.41	2.69	13	1
6:E:802:17F:H32	5:E:807:7Q9:C37	0.41	2.46	14	1
5:A:212:7Q9:O21	5:A:212:7Q9:O13	0.41	2.39	17	2
1:B:117:LYS:HG2	3:B:201:GSP:C2	0.41	2.50	16	1
6:E:819:17F:H67	5:E:825:7Q9:C318	0.41	2.46	16	1
6:E:875:17F:HN1A	6:E:875:17F:C11	0.41	2.29	16	1
5:E:816:7Q9:C1	5:E:816:7Q9:O32	0.41	2.69	20	2
5:B:210:7Q9:O32	6:D:520:17F:H31	0.41	2.16	18	1
5:D:509:7Q9:C34	5:D:527:7Q9:O32	0.41	2.69	18	1
6:D:519:17F:H63	6:D:519:17F:H59	0.41	1.61	18	1
5:D:544:7Q9:C315	5:E:877:7Q9:C315	0.41	2.98	18	1
1:A:15:GLY:HA2	3:A:201:GSP:PA	0.41	2.55	19	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
3:A:201:GSP:O5'	3:A:201:GSP:H2'	0.41	2.16	19	1
6:E:818:17F:C34	5:E:827:7Q9:C37	0.41	2.98	20	1
5:A:215:7Q9:C35	6:D:511:17F:H68	0.41	2.46	1	1
5:B:204:7Q9:C14	5:B:204:7Q9:C1	0.41	2.99	1	1
2:E:736:TYR:CE1	5:E:876:7Q9:C318	0.41	3.04	1	1
5:E:855:7Q9:O32	5:E:855:7Q9:C23	0.41	2.69	1	1
5:A:218:7Q9:O31	5:A:218:7Q9:O22	0.41	2.38	2	1
2:D:340:LYS:HG2	2:E:626:LEU:HD21	0.41	1.93	2	1
5:D:527:7Q9:C34	5:D:527:7Q9:O31	0.41	2.69	3	1
5:E:811:7Q9:C310	5:E:826:7Q9:C312	0.41	2.99	3	1
5:E:823:7Q9:C23	5:E:827:7Q9:C22	0.41	2.98	4	1
5:E:828:7Q9:C310	5:E:847:7Q9:C37	0.41	2.99	4	1
6:E:829:17F:H11A	6:E:829:17F:H39	0.41	1.93	4	1
6:E:810:17F:C3	5:E:825:7Q9:C12	0.41	2.98	5	1
5:E:824:7Q9:O21	5:E:824:7Q9:C31	0.41	2.69	5	1
5:E:866:7Q9:C315	5:E:869:7Q9:C316	0.41	2.99	5	1
6:E:875:17F:N1	6:E:875:17F:C11	0.41	2.84	5	1
6:A:208:17F:H37	6:B:208:17F:H34	0.41	1.93	7	1
5:A:211:7Q9:C23	6:A:213:17F:H56	0.41	2.46	7	1
5:A:216:7Q9:C31	6:D:517:17F:H31	0.41	2.45	7	1
6:E:808:17F:H57	6:E:808:17F:C1X	0.41	2.38	8	1
6:E:819:17F:H45	6:E:819:17F:C42	0.41	2.41	8	1
5:D:549:7Q9:C314	5:E:870:7Q9:C314	0.41	2.99	9	1
6:A:208:17F:N1	5:D:504:7Q9:O14	0.41	2.54	10	1
5:A:214:7Q9:C310	5:A:218:7Q9:C315	0.41	2.99	10	1
6:A:220:17F:C23	6:A:220:17F:C1X	0.41	2.97	10	1
6:D:540:17F:H39	6:D:540:17F:C33	0.41	2.46	10	1
5:E:821:7Q9:C12	5:E:821:7Q9:O13	0.41	2.69	10	1
1:A:24:ILE:HD11	1:A:55:ILE:HD12	0.41	1.91	12	1
5:A:204:7Q9:C22	5:A:210:7Q9:C21	0.41	2.98	12	1
6:A:220:17F:H77	6:A:220:17F:C27	0.41	2.46	12	1
6:D:517:17F:C37	6:D:517:17F:H50	0.41	2.46	12	1
6:D:534:17F:H35	6:D:534:17F:H40	0.41	1.70	12	1
5:E:805:7Q9:C15	5:E:816:7Q9:O22	0.41	2.69	12	1
6:E:839:17F:O8	6:E:839:17F:C5	0.41	2.64	12	1
6:A:208:17F:H45	6:A:208:17F:C36	0.41	2.43	13	1
6:D:510:17F:H53	6:D:533:17F:H76	0.41	1.92	13	1
6:A:219:17F:C6	6:A:219:17F:O10	0.41	2.65	14	1
1:B:162:GLU:O	1:B:165:LYS:HG2	0.41	2.16	14	1
5:E:832:7Q9:O22	5:E:832:7Q9:C3	0.41	2.61	14	1
5:A:210:7Q9:C34	5:A:210:7Q9:O14	0.41	2.68	15	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:510:17F:C20	6:D:517:17F:H10	0.41	2.42	15	1
6:E:873:17F:O1	6:E:873:17F:O9	0.41	2.39	15	1
5:D:556:7Q9:C23	5:E:854:7Q9:C38	0.41	2.98	16	1
2:E:628:GLU:HG3	2:E:631:ARG:NH2	0.41	2.30	16	1
6:E:857:17F:C42	6:E:875:17F:H61	0.41	2.46	16	1
2:D:309:GLN:OE1	6:D:533:17F:H62	0.41	2.15	17	1
5:E:860:7Q9:O22	5:E:865:7Q9:C15	0.41	2.69	17	1
6:D:510:17F:H45	6:D:510:17F:H64	0.41	1.91	18	1
5:D:514:7Q9:O14	5:D:514:7Q9:C12	0.41	2.68	18	1
6:E:819:17F:H4A	5:E:825:7Q9:C13	0.41	2.45	18	1
6:E:875:17F:O10	6:E:875:17F:O7	0.41	2.39	18	1
1:B:46:ILE:HB	1:B:51:CYS:SG	0.41	2.56	20	1
1:B:62:GLU:OE1	1:B:62:GLU:HA	0.41	2.15	20	1
2:D:318:LYS:O	2:D:321:PRO:HD2	0.41	2.16	20	1
3:B:201:GSP:O1B	3:B:201:GSP:S1G	0.41	2.79	2	1
5:E:823:7Q9:C12	5:E:823:7Q9:O13	0.41	2.69	2	1
2:D:382:LYS:HD2	5:D:547:7Q9:O32	0.41	2.16	3	1
6:D:540:17F:C1X	6:D:540:17F:H64	0.41	2.46	3	1
6:E:802:17F:H10	6:E:802:17F:O8	0.41	2.15	3	1
6:A:208:17F:H45	6:A:208:17F:C37	0.41	2.46	4	1
6:D:552:17F:H31	6:D:552:17F:O10	0.41	2.16	6	2
6:E:857:17F:O1	6:E:857:17F:C5	0.41	2.67	4	1
1:A:6:LEU:HD11	1:A:53:LEU:HD22	0.41	1.92	5	1
6:A:219:17F:H61	6:A:219:17F:C39	0.41	2.44	5	1
5:D:516:7Q9:O13	5:D:548:7Q9:C14	0.41	2.69	6	1
6:D:517:17F:H5	6:D:517:17F:O2	0.41	2.16	7	1
6:D:533:17F:H36	6:D:533:17F:H39	0.41	1.62	7	1
5:E:813:7Q9:O31	5:E:813:7Q9:O22	0.41	2.38	7	2
2:E:671:ARG:HD2	5:E:858:7Q9:C23	0.41	2.45	8	1
6:D:511:17F:H63	6:D:511:17F:H58	0.41	1.58	9	1
5:E:878:7Q9:O11	5:E:878:7Q9:C21	0.41	2.69	14	2
6:A:213:17F:C41	6:E:819:17F:H77	0.41	2.45	10	1
5:D:543:7Q9:C318	5:E:872:7Q9:C316	0.41	2.99	12	1
6:A:208:17F:H45	6:A:208:17F:H68	0.41	1.92	13	1
6:E:820:17F:H52	6:E:820:17F:H69	0.41	1.92	13	1
6:A:208:17F:H34	6:A:208:17F:C24	0.41	2.46	14	1
5:A:209:7Q9:C1	5:A:209:7Q9:C12	0.41	2.99	15	1
6:E:806:17F:H70	5:E:817:7Q9:C317	0.41	2.46	15	1
5:E:814:7Q9:C315	6:E:819:17F:H52	0.41	2.45	15	1
5:A:206:7Q9:C23	5:A:209:7Q9:C314	0.41	2.99	16	1
1:B:113:LEU:HB3	1:B:141:PHE:CD1	0.41	2.51	17	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:510:17F:H37	6:D:511:17F:C31	0.41	2.44	17	1
6:D:519:17F:H64	6:D:519:17F:H59	0.41	1.83	17	1
5:D:523:7Q9:O32	5:D:523:7Q9:O21	0.41	2.39	17	1
5:E:851:7Q9:C3	5:E:851:7Q9:O22	0.41	2.64	17	1
6:E:802:17F:H6A	6:E:808:17F:HN1A	0.41	1.76	18	1
6:E:839:17F:H78	6:E:839:17F:C28	0.41	2.45	18	1
2:D:333:LYS:HE3	2:D:337:LEU:HD22	0.41	1.91	20	1
1:B:16:LYS:N	3:B:201:GSP:O2B	0.40	2.52	2	1
6:D:511:17F:H77	6:D:511:17F:H50	0.40	1.90	2	1
6:D:517:17F:H40	6:D:517:17F:H35	0.40	1.64	2	1
5:E:833:7Q9:C14	5:E:833:7Q9:C1	0.40	2.99	2	1
6:A:208:17F:H20A	6:A:219:17F:C9	0.40	2.46	3	1
5:E:833:7Q9:O14	5:E:852:7Q9:C14	0.40	2.69	3	1
5:E:850:7Q9:C37	5:E:850:7Q9:C311	0.40	2.99	3	2
5:A:209:7Q9:C37	5:A:209:7Q9:C311	0.40	2.99	4	1
5:D:513:7Q9:O21	5:D:513:7Q9:P	0.40	2.79	5	1
5:E:841:7Q9:C3	5:E:841:7Q9:O22	0.40	2.63	5	1
5:E:844:7Q9:O14	5:E:860:7Q9:C34	0.40	2.69	5	1
5:B:203:7Q9:O11	5:B:203:7Q9:O31	0.40	2.39	6	1
5:E:846:7Q9:O13	5:E:872:7Q9:C14	0.40	2.69	6	1
5:A:211:7Q9:C317	6:A:213:17F:H70	0.40	2.45	8	1
6:A:213:17F:O1	6:A:213:17F:H19A	0.40	2.15	8	1
6:A:219:17F:H5	6:D:518:17F:C8	0.40	2.46	8	1
5:A:212:7Q9:C1	5:A:212:7Q9:O32	0.40	2.69	9	1
6:A:213:17F:H38	5:D:509:7Q9:C22	0.40	2.46	12	1
5:D:555:7Q9:C13	5:D:555:7Q9:P	0.40	3.09	12	1
5:E:847:7Q9:C13	6:E:873:17F:C3	0.40	2.98	12	1
1:B:47:ASP:OD2	1:B:161:ARG:HD2	0.40	2.16	13	1
1:B:59:ALA:HA	3:B:201:GSP:O2G	0.40	2.14	13	1
5:D:502:7Q9:C31	5:D:525:7Q9:C22	0.40	2.99	13	1
5:D:556:7Q9:C32	5:E:854:7Q9:C310	0.40	2.99	14	1
5:E:803:7Q9:O11	5:E:803:7Q9:O22	0.40	2.39	14	2
5:D:528:7Q9:C1	5:D:551:7Q9:C32	0.40	2.99	15	1
5:E:807:7Q9:C13	5:E:809:7Q9:O13	0.40	2.69	15	1
6:D:510:17F:C8	6:D:517:17F:O7	0.40	2.68	16	1
6:A:213:17F:H49	6:A:213:17F:C38	0.40	2.44	17	1
5:D:528:7Q9:C35	5:D:551:7Q9:C311	0.40	2.99	19	1
5:D:509:7Q9:C32	5:D:531:7Q9:C34	0.40	2.99	20	1
1:B:126:ASP:O	1:B:129:GLN:HG2	0.40	2.16	1	1
6:E:871:17F:C10	5:E:872:7Q9:O14	0.40	2.69	1	1
5:A:214:7Q9:C34	5:A:218:7Q9:C31	0.40	2.99	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
6:D:518:17F:C1X	6:D:518:17F:C20	0.40	2.99	4	1
1:B:126:ASP:OD1	1:B:128:LYS:HD3	0.40	2.15	5	1
5:E:851:7Q9:C38	6:E:871:17F:C20	0.40	2.99	5	1
1:B:47:ASP:OD2	1:B:161:ARG:HD3	0.40	2.17	6	1
2:D:368:ASP:O	2:D:371:ARG:HG2	0.40	2.16	6	1
5:D:555:7Q9:C1	5:D:555:7Q9:O22	0.40	2.65	8	1
5:E:807:7Q9:C15	5:E:807:7Q9:C22	0.40	2.99	8	1
5:E:815:7Q9:C33	5:E:821:7Q9:C35	0.40	2.99	9	1
6:E:806:17F:H53	5:E:813:7Q9:C314	0.40	2.47	11	1
6:E:810:17F:H52	6:E:810:17F:H67	0.40	1.92	11	1
5:D:507:7Q9:O13	5:D:509:7Q9:C11	0.40	2.69	12	1
6:D:534:17F:C42	5:D:538:7Q9:C313	0.40	2.99	12	1
5:E:837:7Q9:C32	5:E:853:7Q9:C35	0.40	2.99	12	1
1:B:69:ASP:O	1:B:73:ARG:HG3	0.40	2.15	15	1
6:D:510:17F:H59	6:D:510:17F:H62	0.40	1.64	15	1
5:D:505:7Q9:C13	6:D:518:17F:H6	0.40	2.45	16	1
5:A:209:7Q9:C3	5:A:218:7Q9:O14	0.40	2.69	17	1
5:E:827:7Q9:O22	5:E:841:7Q9:C12	0.40	2.69	18	1
5:D:513:7Q9:C14	5:D:532:7Q9:O14	0.40	2.69	20	1
5:E:816:7Q9:O11	5:E:816:7Q9:O32	0.40	2.39	20	1
6:E:819:17F:H10	6:E:820:17F:H30	0.40	1.88	20	1
5:E:872:7Q9:O21	5:E:872:7Q9:C31	0.40	2.69	14	3
6:A:219:17F:O10	6:A:219:17F:H4	0.40	2.15	2	1
6:D:519:17F:C23	6:D:519:17F:C1X	0.40	2.90	2	1
6:E:806:17F:O6	6:E:806:17F:O7	0.40	2.38	2	1
6:D:518:17F:H62	5:D:528:7Q9:C38	0.40	2.46	3	1
5:D:505:7Q9:C33	5:D:505:7Q9:C22	0.40	2.99	4	1
1:B:13:GLY:HA2	3:B:201:GSP:C4'	0.40	2.46	6	1
5:E:843:7Q9:C314	5:E:843:7Q9:C37	0.40	2.99	6	1
6:A:213:17F:H78	6:E:808:17F:H53	0.40	1.93	7	1
2:E:590:LEU:HD21	5:E:862:7Q9:C318	0.40	2.47	7	1
5:E:805:7Q9:O32	6:E:812:17F:H19	0.40	2.13	7	1
5:E:809:7Q9:C12	6:E:818:17F:O1	0.40	2.70	7	1
2:D:374:LEU:HD21	5:D:535:7Q9:C317	0.40	2.46	10	2
5:D:537:7Q9:C37	5:D:537:7Q9:C311	0.40	2.98	15	2
2:E:623:ARG:HD2	2:E:623:ARG:O	0.40	2.15	8	1
5:D:553:7Q9:O11	5:D:553:7Q9:C12	0.40	2.70	11	1
5:D:556:7Q9:C35	5:E:854:7Q9:C310	0.40	2.99	13	1
5:E:801:7Q9:O14	5:E:801:7Q9:C12	0.40	2.68	14	1
5:E:853:7Q9:O32	5:E:853:7Q9:C34	0.40	2.70	14	1
1:A:5:LYS:HD2	1:A:74:THR:HG22	0.40	1.93	17	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:A:218:7Q9:C39	6:E:829:17F:C42	0.40	2.98	17	1
6:E:812:17F:C6	5:E:824:7Q9:C11	0.40	3.00	17	1
5:E:817:7Q9:O14	5:E:817:7Q9:C12	0.40	2.69	17	1
6:E:818:17F:H50	5:E:821:7Q9:C318	0.40	2.46	17	1
1:B:58:THR:HG21	1:B:71:TYR:CZ	0.40	2.51	18	1
5:D:553:7Q9:C12	5:D:553:7Q9:O21	0.40	2.69	18	1
6:E:829:17F:H9A	5:E:833:7Q9:C33	0.40	2.46	19	1
6:D:520:17F:H50	5:E:841:7Q9:C317	0.40	2.47	20	1
6:E:808:17F:O4	5:E:814:7Q9:C13	0.40	2.70	20	1
6:D:510:17F:C8	6:D:517:17F:C18	0.40	2.99	1	1
6:E:802:17F:H51	5:E:807:7Q9:C316	0.40	2.46	1	1
5:D:527:7Q9:C15	5:D:527:7Q9:P	0.40	3.09	2	1
6:B:208:17F:H41	5:E:824:7Q9:C317	0.40	2.47	3	1
6:E:829:17F:C11	5:E:833:7Q9:C38	0.40	2.97	4	1
6:E:808:17F:C39	6:E:819:17F:H54	0.40	2.42	5	1
5:D:505:7Q9:C13	6:D:518:17F:O8	0.40	2.69	6	1
6:A:220:17F:C22	5:D:502:7Q9:C317	0.40	3.00	7	1
5:E:833:7Q9:C37	5:E:849:7Q9:O32	0.40	2.69	8	1
5:E:860:7Q9:O32	5:E:865:7Q9:C12	0.40	2.70	8	1
6:D:520:17F:H46	5:E:840:7Q9:C317	0.40	2.46	9	1
6:E:857:17F:H68	6:E:875:17F:C33	0.40	2.35	9	1
5:D:515:7Q9:C36	6:D:519:17F:H75	0.40	2.47	10	1
6:E:820:17F:C41	5:E:830:7Q9:C22	0.40	2.97	10	1
5:E:834:7Q9:C37	6:E:839:17F:H44	0.40	2.47	11	1
5:E:834:7Q9:O14	5:E:858:7Q9:C34	0.40	2.69	11	1
6:A:220:17F:H41	6:A:220:17F:H77	0.40	1.94	12	1
6:D:520:17F:O10	6:D:520:17F:H4	0.40	2.15	12	1
6:A:208:17F:O9	6:A:208:17F:O8	0.40	2.39	13	1
5:A:211:7Q9:C312	6:A:213:17F:H5	0.40	2.46	13	1
1:B:20:THR:O	1:B:24:ILE:HG12	0.40	2.15	13	1
5:D:516:7Q9:O11	5:D:516:7Q9:C34	0.40	2.70	13	1
5:D:555:7Q9:C310	5:E:849:7Q9:C318	0.40	2.99	13	1
1:B:134:ALA:HA	1:B:137:TYR:CD2	0.40	2.51	14	1
6:A:213:17F:H61	6:A:213:17F:C23	0.40	2.46	15	1
5:D:547:7Q9:C1	5:D:547:7Q9:O22	0.40	2.65	15	1
5:E:801:7Q9:C12	5:E:801:7Q9:O14	0.40	2.69	15	1
3:B:201:GSP:O1A	3:B:201:GSP:O2B	0.40	2.39	16	1
6:E:839:17F:H78	6:E:839:17F:H47	0.40	1.89	18	1
6:D:520:17F:H70	6:D:520:17F:H47	0.40	1.92	19	1
6:D:510:17F:O9	6:D:510:17F:H31	0.40	2.16	20	1
5:E:874:7Q9:O32	5:E:874:7Q9:C34	0.40	2.70	20	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
5:B:209:7Q9:C14	5:B:209:7Q9:P	0.40	3.10	1	1
1:B:139:ILE:HB	1:B:140:PRO:HD2	0.40	1.93	2	1
6:E:820:17F:H65	5:E:837:7Q9:C39	0.40	2.46	2	1
5:E:865:7Q9:O22	5:E:865:7Q9:C1	0.40	2.65	2	1
6:D:518:17F:H60	6:D:518:17F:C23	0.40	2.46	3	1
5:D:524:7Q9:C2	5:D:524:7Q9:C11	0.40	2.99	3	1
2:E:736:TYR:HB2	5:E:876:7Q9:C310	0.40	2.46	3	1
5:D:549:7Q9:C22	5:E:801:7Q9:C23	0.40	3.00	4	1
5:A:206:7Q9:C1	5:A:206:7Q9:O22	0.40	2.61	6	1
5:E:847:7Q9:C12	5:E:847:7Q9:O13	0.40	2.69	6	1
6:B:208:17F:O1	6:B:208:17F:C2	0.40	2.70	7	1
5:D:555:7Q9:C15	6:E:857:17F:O10	0.40	2.70	7	1
2:E:598:GLN:HG2	5:E:877:7Q9:C313	0.40	2.47	7	1
6:D:511:17F:C21	5:D:513:7Q9:C315	0.40	3.00	8	1
5:E:828:7Q9:O32	5:E:828:7Q9:O21	0.40	2.39	8	1
5:D:515:7Q9:C12	6:D:519:17F:H6	0.40	2.47	9	1
2:E:730:LEU:HD12	2:E:733:LEU:HD22	0.40	1.93	9	1
5:E:821:7Q9:O21	5:E:821:7Q9:O14	0.40	2.39	9	1
5:A:214:7Q9:C313	5:E:814:7Q9:C318	0.40	2.99	10	1
1:B:46:ILE:HG21	1:B:157:TYR:CG	0.40	2.52	13	1
5:B:209:7Q9:C312	5:B:209:7Q9:C316	0.40	2.99	13	1
5:E:844:7Q9:O13	5:E:845:7Q9:C15	0.40	2.69	13	1
5:E:854:7Q9:C37	5:E:854:7Q9:C311	0.40	2.96	13	1
6:D:517:17F:H37	6:D:533:17F:H71	0.40	1.92	14	1
6:E:871:17F:H30	6:E:871:17F:C32	0.40	2.47	14	1
5:E:869:7Q9:C34	5:E:874:7Q9:C38	0.40	3.00	15	1
6:D:540:17F:C1	5:D:545:7Q9:C32	0.40	2.99	16	1
1:A:32:TYR:CE1	3:A:201:GSP:S1G	0.40	3.15	17	1
5:A:216:7Q9:O31	6:D:517:17F:C18	0.40	2.70	17	1
2:E:595:ALA:HA	2:E:598:GLN:NE2	0.40	2.31	18	1
5:E:814:7Q9:O21	5:E:814:7Q9:C31	0.40	2.70	18	1
5:E:816:7Q9:C1	5:E:816:7Q9:O22	0.40	2.65	18	1
5:D:513:7Q9:C13	5:D:532:7Q9:O13	0.40	2.70	19	1
5:D:524:7Q9:O32	5:D:524:7Q9:C23	0.40	2.69	19	1
5:E:838:7Q9:C310	5:E:877:7Q9:C35	0.40	2.99	19	1
6:E:829:17F:H12	5:E:852:7Q9:C33	0.40	2.44	20	1
5:E:859:7Q9:O21	5:E:859:7Q9:C31	0.40	2.69	20	1

6.3 Torsion angles [i](#)

6.3.1 Protein backbone [i](#)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	165/185 (89%)	156±2 (95±1%)	8±2 (5±1%)	0±1 (0±0%)	54	85
1	B	165/185 (89%)	156±2 (94±1%)	9±2 (5±1%)	0±1 (0±0%)	50	82
2	D	185/200 (92%)	182±2 (98±1%)	3±2 (2±1%)	0±1 (0±0%)	50	82
2	E	185/200 (92%)	180±2 (97±1%)	4±2 (2±1%)	0±1 (0±0%)	50	82
All	All	14000/15400 (91%)	13482 (96%)	493 (4%)	25 (0%)	50	82

All 18 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	47	ASP	3
1	B	64	TYR	3
2	E	718	LEU	2
2	E	708	LYS	2
2	D	333	LYS	2
1	B	47	ASP	1
2	D	403	LEU	1
2	E	642	SER	1
1	B	34	PRO	1
2	D	408	LYS	1
2	E	705	GLU	1
1	A	153	ASP	1
1	B	154	ASP	1
2	D	265	GLY	1
2	D	400	LEU	1
2	E	598	GLN	1
1	B	37	GLU	1
2	D	419	LEU	1

6.3.2 Protein sidechains [i](#)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all NMR

entries. The Analysed column shows the number of residues for which the sidechain conformation was analysed and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	147/165 (89%)	133±3 (90±2%)	14±3 (10±2%)	12	58
1	B	147/165 (89%)	133±3 (91±2%)	14±3 (9±2%)	12	58
2	D	162/175 (93%)	151±2 (93±1%)	11±2 (7±1%)	20	68
2	E	163/175 (93%)	152±4 (93±2%)	11±4 (7±2%)	19	68
All	All	12380/13600 (91%)	11379 (92%)	1001 (8%)	15	63

All 230 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
2	D	388	ARG	18
2	D	402	THR	18
1	B	74	THR	17
2	D	316	ARG	16
1	B	2	THR	16
2	E	556	THR	15
1	A	87	THR	14
1	A	92	ASP	14
1	B	35	THR	14
1	B	65	SER	14
2	E	561	ARG	14
1	B	124	THR	14
2	D	373	ARG	14
1	A	12	ASP	14
1	B	87	THR	14
1	A	35	THR	12
1	A	74	THR	12
1	B	153	ASP	12
2	D	268	THR	12
2	E	702	THR	12
2	E	737	THR	12
1	A	124	THR	12
2	D	256	THR	12
1	B	148	THR	11
2	E	558	SER	11
2	D	261	ARG	10
2	E	555	SER	10
1	A	63	GLU	10
2	D	377	ARG	10

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Mol	Chain	Res	Type	Models (Total)
2	E	688	ARG	10
1	A	65	SER	10
1	A	161	ARG	9
2	E	653	ARG	9
1	A	2	THR	8
1	A	127	THR	8
1	A	149	ARG	8
1	A	153	ASP	8
1	B	39	SER	8
1	B	149	ARG	8
2	E	579	THR	8
2	E	733	LEU	8
1	A	41	ARG	8
1	A	50	THR	8
1	A	148	THR	8
1	B	12	ASP	8
2	D	279	THR	8
2	E	589	ASP	8
1	A	69	ASP	8
2	E	704	SER	8
2	E	705	GLU	8
2	E	604	PHE	8
1	A	38	ASP	7
1	B	127	THR	7
2	E	623	ARG	7
1	A	89	SER	7
1	B	69	ASP	7
1	B	92	ASP	7
2	D	320	GLU	7
1	B	135	ARG	7
1	A	17	SER	6
2	D	258	SER	6
2	D	335	HIS	6
2	D	431	SER	6
2	E	661	THR	6
1	B	63	GLU	6
1	A	58	THR	6
1	B	58	THR	6
1	A	135	ARG	5
1	B	17	SER	5
1	A	39	SER	5
1	B	89	SER	5

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Mol	Chain	Res	Type	Models (Total)
2	E	660	ARG	5
1	B	50	THR	5
2	D	333	LYS	5
2	D	361	THR	5
2	D	397	THR	5
2	E	655	HIS	5
1	A	145	SER	5
1	B	136	SER	5
1	B	119	ASP	5
1	A	119	ASP	4
2	D	404	SER	4
2	E	569	GLN	4
1	B	41	ARG	4
1	B	161	ARG	4
2	D	351	ARG	4
2	D	401	SER	4
1	A	136	SER	4
1	B	38	ASP	4
1	A	123	ARG	4
2	D	257	PHE	4
1	B	128	LYS	4
2	D	360	ARG	4
1	B	144	THR	4
2	E	631	ARG	4
1	A	20	THR	3
2	D	323	ARG	3
2	E	701	SER	3
1	A	6	LEU	3
1	B	29	VAL	3
1	B	51	CYS	3
1	A	144	THR	3
2	D	308	TRP	3
2	E	728	SER	3
2	E	729	PHE	3
2	E	667	SER	3
1	A	128	LYS	3
1	B	108	ASP	3
1	A	29	VAL	3
1	B	123	ARG	3
2	D	424	SER	2
2	E	603	ASP	2
2	E	657	ASP	2

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Mol	Chain	Res	Type	Models (Total)
1	A	26	ASN	2
1	A	71	TYR	2
1	A	80	CYS	2
1	A	133	LEU	2
2	E	646	GLU	2
1	A	62	GLU	2
1	A	108	ASP	2
1	A	109	VAL	2
1	B	26	ASN	2
1	B	126	ASP	2
1	A	157	TYR	2
1	B	68	ARG	2
1	B	150	GLN	2
2	D	338	GLN	2
2	D	342	SER	2
1	A	165	LYS	2
1	B	133	LEU	2
2	D	415	ARG	2
2	E	644	LEU	2
1	A	33	ASP	2
1	A	44	VAL	2
1	B	154	ASP	2
2	D	379	GLU	2
2	E	724	SER	2
1	B	33	ASP	2
1	B	80	CYS	2
1	B	44	VAL	2
1	B	157	TYR	2
2	E	613	GLU	2
1	B	145	SER	2
2	D	311	GLU	2
2	D	328	GLU	2
1	A	16	LYS	2
1	B	165	LYS	2
2	E	627	GLN	2
1	B	62	GLU	2
1	B	106	SER	2
2	D	305	GLN	2
1	A	3	GLU	1
1	A	37	GLU	1
1	B	30	ASP	1
1	B	90	PHE	1

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Mol	Chain	Res	Type	Models (Total)
2	D	291	GLU	1
2	E	619	VAL	1
2	E	712	GLU	1
1	A	30	ASP	1
1	A	126	ASP	1
2	E	649	ARG	1
2	E	691	GLU	1
2	E	693	HIS	1
1	A	31	GLU	1
1	A	56	LEU	1
2	D	285	GLU	1
2	D	288	LYS	1
2	D	334	LEU	1
1	A	19	LEU	1
1	A	22	GLN	1
1	A	68	ARG	1
1	B	131	GLN	1
2	D	262	GLU	1
2	D	287	SER	1
2	E	670	LEU	1
1	B	27	HIS	1
2	E	568	THR	1
1	A	88	LYS	1
1	A	156	PHE	1
2	E	642	SER	1
2	E	671	ARG	1
2	E	679	GLU	1
1	A	64	TYR	1
1	B	45	VAL	1
2	D	369	GLU	1
2	E	622	LEU	1
2	E	628	GLU	1
2	E	635	HIS	1
1	A	5	LYS	1
1	B	32	TYR	1
1	B	61	GLN	1
2	E	578	GLU	1
2	E	713	ASP	1
2	E	718	LEU	1
1	B	167	LYS	1
2	D	271	PHE	1
2	D	437	THR	1

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Mol	Chain	Res	Type	Models (Total)
2	D	413	ASP	1
1	B	31	GLU	1
2	D	292	GLU	1
1	A	27	HIS	1
1	A	159	LEU	1
2	D	398	GLU	1
2	E	672	GLN	1
2	E	682	LYS	1
1	B	64	TYR	1
2	E	594	LYS	1
1	A	105	ASP	1
2	E	616	ARG	1
2	D	280	GLU	1
2	D	371	ARG	1
2	E	575	LEU	1
2	E	684	ASN	1
2	E	734	GLU	1
1	B	47	ASP	1
1	B	113	LEU	1
1	B	166	HIS	1
2	E	600	TYR	1
1	A	97	ARG	1
1	A	154	ASP	1
1	A	158	THR	1
2	D	304	PHE	1
2	D	389	LEU	1
2	D	406	LYS	1
2	E	637	LEU	1
2	E	697	THR	1
1	B	102	ARG	1
1	A	70	GLN	1
1	B	20	THR	1
1	B	158	THR	1

6.3.3 RNA ⓘ

There are no RNA molecules in this entry.

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

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
6	17F	E	802	-	50,53,53	0.78±0.00	0±0 (0±0%)
6	17F	D	518	-	50,53,53	0.78±0.00	0±0 (0±0%)
5	7Q9	B	207	-	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	D	535	-	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	849	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	A	205	-	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%)
3	GSP	B	201	-	26,34,34	1.38±0.02	4±1 (14±2%)
5	7Q9	A	211	-	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	D	528	-	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%)
5	7Q9	E	827	-	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%)
6	17F	A	208	-	50,53,53	0.78±0.00	0±0 (0±0%)
5	7Q9	E	864	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	870	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	855	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	B	208	-	50,53,53	0.78±0.00	0±0 (0±0%)
6	17F	E	875	-	50,53,53	0.78±0.00	0±0 (0±0%)
6	17F	E	873	-	50,53,53	0.78±0.00	0±0 (0±0%)
5	7Q9	E	837	-	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%)
6	17F	D	533	-	50,53,53	0.78±0.00	0±0 (0±0%)
5	7Q9	E	805	-	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	807	-	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%)
5	7Q9	E	866	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	E	806	-	50,53,53	0.78±0.00	0±0 (0±0%)
6	17F	E	810	-	50,53,53	0.78±0.00	0±0 (0±0%)
5	7Q9	A	204	-	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	859	-	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	D	501	-	38,38,38	0.79±0.00	0±0 (0±0%)
3	GSP	A	201	-	26,34,34	1.38±0.02	4±1 (14±2%)
6	17F	D	511	-	50,53,53	0.78±0.00	0±0 (0±0%)
5	7Q9	E	874	-	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	876	-	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	545	-	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	D	548	-	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	A	210	-	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%)
5	7Q9	D	532	-	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	A	215	-	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	A	207	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	B	206	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	828	-	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%)
6	17F	A	219	-	50,53,53	0.78±0.00	0±0 (0±0%)
5	7Q9	D	522	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	E	818	-	50,53,53	0.78±0.00	0±0 (0±0%)
5	7Q9	D	503	-	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	814	-	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	E	868	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	550	-	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	539	-	50,53,53	0.78±0.00	0±0 (0±0%)
6	17F	D	540	-	50,53,53	0.78±0.00	0±0 (0±0%)
5	7Q9	B	205	-	38,38,38	0.79±0.00	0±0 (0±0%)

Mol	Type	Chain	Res	Link	Bond lengths		
					Counts	RMSZ	#Z>2
5	7Q9	D	553	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	538	-	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	D	525	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	556	-	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	D	514	-	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	E	833	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	D	519	-	50,53,53	0.78±0.00	0±0 (0±0%)
5	7Q9	E	850	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	811	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	551	-	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	A	214	-	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%)
6	17F	E	839	-	50,53,53	0.78±0.00	0±0 (0±0%)
6	17F	A	220	-	50,53,53	0.78±0.00	0±0 (0±0%)
6	17F	E	871	-	50,53,53	0.78±0.00	0±0 (0±0%)
5	7Q9	E	838	-	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	D	544	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	841	-	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	E	845	-	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	E	809	-	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%)
6	17F	E	856	-	50,53,53	0.78±0.00	0±0 (0±0%)
5	7Q9	D	537	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	817	-	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	D	523	-	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	E	821	-	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	A	203	-	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%)
6	17F	D	510	-	50,53,53	0.78±0.00	0±0 (0±0%)
5	7Q9	D	531	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	554	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	526	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	844	-	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	847	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	546	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	852	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	836	-	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	D	555	-	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	E	872	-	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%)
5	7Q9	E	861	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	E	842	-	50,53,53	0.78±0.00	0±0 (0±0%)
5	7Q9	A	206	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	D	552	-	50,53,53	0.78±0.00	0±0 (0±0%)
6	17F	E	808	-	50,53,53	0.78±0.00	0±0 (0±0%)
5	7Q9	D	521	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	A	218	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	B	203	-	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	860	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	801	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	D	527	-	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%)
5	7Q9	E	835	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	E	819	-	50,53,53	0.78±0.00	0±0 (0±0%)
5	7Q9	E	877	-	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	E	840	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	A	209	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	E	829	-	50,53,53	0.78±0.00	0±0 (0±0%)
5	7Q9	D	508	-	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%)
5	7Q9	A	212	-	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%)
5	7Q9	D	543	-	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%)
6	17F	D	534	-	50,53,53	0.78±0.00	0±0 (0±0%)
6	17F	D	520	-	50,53,53	0.78±0.00	0±0 (0±0%)
5	7Q9	D	504	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	E	812	-	50,53,53	0.78±0.00	0±0 (0±0%)
5	7Q9	D	516	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	E	857	-	50,53,53	0.78±0.00	0±0 (0±0%)
5	7Q9	D	512	-	38,38,38	0.79±0.00	0±0 (0±0%)
5	7Q9	E	863	-	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	813	-	38,38,38	0.79±0.00	0±0 (0±0%)
6	17F	E	820	-	50,53,53	0.78±0.00	0±0 (0±0%)
6	17F	D	517	-	50,53,53	0.78±0.00	0±0 (0±0%)
5	7Q9	E	822	-	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%)
6	17F	A	213	-	50,53,53	0.78±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
6	17F	E	802	-	52,60,60	1.13±0.03	4±0 (7±0%)
6	17F	D	518	-	52,60,60	1.16±0.03	5±0 (9±0%)
5	7Q9	B	207	-	44,46,46	1.03±0.02	3±0 (6±0%)
5	7Q9	E	851	-	44,46,46	1.04±0.01	4±0 (8±1%)
5	7Q9	D	535	-	44,46,46	1.03±0.02	3±0 (7±1%)
5	7Q9	E	831	-	44,46,46	1.04±0.01	3±0 (6±0%)
5	7Q9	E	849	-	44,46,46	1.03±0.01	3±0 (6±0%)
5	7Q9	A	205	-	44,46,46	1.03±0.02	3±0 (7±0%)
5	7Q9	E	862	-	44,46,46	1.03±0.02	3±0 (7±1%)
3	GSP	B	201	-	28,54,54	1.99±0.03	7±0 (25±1%)
5	7Q9	A	211	-	44,46,46	1.03±0.02	3±0 (7±1%)
5	7Q9	B	210	-	44,46,46	1.02±0.02	3±0 (7±1%)
5	7Q9	D	528	-	44,46,46	1.05±0.02	4±0 (9±0%)
5	7Q9	D	547	-	44,46,46	1.02±0.01	3±0 (6±0%)
5	7Q9	E	827	-	44,46,46	1.02±0.01	3±0 (6±0%)
5	7Q9	E	803	-	44,46,46	1.05±0.01	3±0 (7±0%)
6	17F	A	208	-	52,60,60	1.10±0.03	4±0 (7±0%)
5	7Q9	E	864	-	44,46,46	1.06±0.02	4±0 (7±1%)
5	7Q9	E	870	-	44,46,46	1.04±0.02	4±0 (8±0%)
5	7Q9	E	855	-	44,46,46	1.02±0.01	3±0 (6±0%)
6	17F	B	208	-	52,60,60	1.08±0.03	4±0 (7±0%)

Mol	Type	Chain	Res	Link	Bond angles		
					Counts	RMSZ	#Z>2
6	17F	E	875	-	52,60,60	1.12±0.03	4±0 (8±0%)
6	17F	E	873	-	52,60,60	1.17±0.03	4±0 (8±0%)
5	7Q9	E	837	-	44,46,46	1.02±0.02	4±0 (8±1%)
5	7Q9	D	529	-	44,46,46	1.05±0.01	3±0 (6±0%)
6	17F	D	533	-	52,60,60	1.15±0.05	4±0 (8±0%)
5	7Q9	E	805	-	44,46,46	1.04±0.01	4±0 (8±1%)
5	7Q9	E	807	-	44,46,46	1.08±0.02	4±0 (8±0%)
5	7Q9	E	865	-	44,46,46	1.03±0.01	3±0 (7±0%)
5	7Q9	E	866	-	44,46,46	1.03±0.02	3±0 (6±0%)
6	17F	E	806	-	52,60,60	1.13±0.03	4±0 (7±0%)
6	17F	E	810	-	52,60,60	1.19±0.03	5±0 (9±0%)
5	7Q9	A	204	-	44,46,46	1.01±0.02	3±0 (6±0%)
5	7Q9	D	536	-	44,46,46	1.03±0.01	3±0 (6±0%)
5	7Q9	E	859	-	44,46,46	1.02±0.02	3±0 (6±0%)
5	7Q9	E	878	-	44,46,46	1.05±0.01	3±0 (7±0%)
5	7Q9	D	501	-	44,46,46	1.02±0.02	3±0 (7±0%)
3	GSP	A	201	-	28,54,54	1.99±0.04	7±1 (25±3%)
6	17F	D	511	-	52,60,60	1.11±0.03	4±0 (8±0%)
5	7Q9	E	874	-	44,46,46	1.02±0.02	3±0 (6±0%)
5	7Q9	D	507	-	44,46,46	1.02±0.01	3±0 (6±0%)
5	7Q9	E	876	-	44,46,46	1.02±0.01	3±0 (6±0%)
5	7Q9	E	867	-	44,46,46	1.02±0.02	3±0 (6±0%)
5	7Q9	D	545	-	44,46,46	1.01±0.02	3±0 (7±0%)
5	7Q9	D	524	-	44,46,46	1.02±0.02	3±0 (7±0%)
5	7Q9	D	548	-	44,46,46	1.04±0.01	4±0 (8±0%)
5	7Q9	E	815	-	44,46,46	1.05±0.02	3±0 (7±1%)
5	7Q9	A	210	-	44,46,46	1.05±0.02	4±0 (8±0%)
5	7Q9	E	826	-	44,46,46	1.03±0.01	3±0 (6±0%)
5	7Q9	D	532	-	44,46,46	1.13±0.02	4±0 (9±0%)
5	7Q9	E	848	-	44,46,46	1.04±0.02	3±0 (6±0%)
5	7Q9	A	215	-	44,46,46	1.03±0.02	3±0 (7±0%)
5	7Q9	D	513	-	44,46,46	1.03±0.02	3±0 (7±1%)
5	7Q9	A	207	-	44,46,46	1.05±0.02	3±0 (7±0%)
5	7Q9	B	206	-	44,46,46	1.03±0.01	3±0 (7±0%)
5	7Q9	E	828	-	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	843	-	44,46,46	1.00±0.02	3±0 (7±0%)
6	17F	A	219	-	52,60,60	1.16±0.03	4±0 (8±0%)
5	7Q9	D	522	-	44,46,46	1.04±0.01	3±0 (7±1%)
6	17F	E	818	-	52,60,60	1.10±0.03	4±0 (7±0%)
5	7Q9	D	503	-	44,46,46	1.05±0.03	3±0 (7±1%)
5	7Q9	D	506	-	44,46,46	1.04±0.02	3±0 (7±0%)
5	7Q9	E	814	-	44,46,46	1.04±0.02	3±0 (7±0%)
5	7Q9	E	834	-	44,46,46	1.03±0.02	3±0 (7±1%)
5	7Q9	E	868	-	44,46,46	1.02±0.01	3±0 (6±0%)
5	7Q9	D	550	-	44,46,46	1.05±0.01	3±0 (7±0%)
5	7Q9	B	204	-	44,46,46	1.03±0.02	3±0 (7±0%)
6	17F	D	539	-	52,60,60	1.10±0.03	4±0 (7±0%)
6	17F	D	540	-	52,60,60	1.13±0.03	4±0 (7±0%)
5	7Q9	B	205	-	44,46,46	1.03±0.02	3±0 (7±0%)
5	7Q9	D	553	-	44,46,46	1.05±0.01	3±0 (7±1%)
5	7Q9	D	538	-	44,46,46	1.02±0.01	3±0 (6±0%)
5	7Q9	D	541	-	44,46,46	1.04±0.02	3±0 (6±0%)
5	7Q9	D	525	-	44,46,46	1.04±0.02	3±0 (7±0%)
5	7Q9	D	556	-	44,46,46	1.03±0.02	4±0 (8±1%)
5	7Q9	E	804	-	44,46,46	1.02±0.02	3±0 (6±0%)
5	7Q9	D	514	-	44,46,46	1.02±0.03	3±0 (7±0%)
5	7Q9	B	209	-	44,46,46	1.03±0.02	3±0 (7±0%)
5	7Q9	E	833	-	44,46,46	1.02±0.02	3±0 (6±0%)
6	17F	D	519	-	52,60,60	1.12±0.03	4±0 (7±0%)
5	7Q9	E	850	-	44,46,46	1.03±0.01	3±0 (6±0%)
5	7Q9	E	811	-	44,46,46	1.05±0.02	3±0 (7±0%)
5	7Q9	D	551	-	44,46,46	1.04±0.02	4±0 (8±0%)
5	7Q9	E	846	-	44,46,46	1.04±0.01	3±0 (7±1%)
5	7Q9	A	214	-	44,46,46	1.04±0.01	3±0 (6±0%)
5	7Q9	A	217	-	44,46,46	1.03±0.02	3±0 (7±0%)
6	17F	E	839	-	52,60,60	1.14±0.04	5±0 (9±0%)
6	17F	A	220	-	52,60,60	1.13±0.02	4±0 (8±0%)
6	17F	E	871	-	52,60,60	1.14±0.03	4±0 (7±0%)
5	7Q9	E	838	-	44,46,46	1.05±0.03	4±0 (8±1%)
5	7Q9	A	216	-	44,46,46	1.04±0.03	3±0 (7±1%)

Mol	Type	Chain	Res	Link	Bond angles		
					Counts	RMSZ	#Z>2
5	7Q9	D	544	-	44,46,46	1.02±0.02	3±0 (6±0%)
5	7Q9	E	841	-	44,46,46	0.99±0.02	3±0 (6±0%)
5	7Q9	D	505	-	44,46,46	1.04±0.02	3±0 (7±1%)
5	7Q9	E	845	-	44,46,46	1.04±0.01	3±0 (7±1%)
5	7Q9	D	549	-	44,46,46	1.04±0.03	4±0 (8±1%)
5	7Q9	E	809	-	44,46,46	1.00±0.02	3±0 (6±0%)
5	7Q9	E	823	-	44,46,46	1.02±0.02	3±0 (7±0%)
6	17F	E	856	-	52,60,60	1.10±0.02	4±0 (7±0%)
5	7Q9	D	537	-	44,46,46	1.04±0.02	4±0 (8±0%)
5	7Q9	E	817	-	44,46,46	0.99±0.02	3±0 (6±0%)
5	7Q9	E	832	-	44,46,46	1.03±0.01	4±0 (7±1%)
5	7Q9	D	523	-	44,46,46	1.03±0.02	3±0 (6±0%)
5	7Q9	E	824	-	44,46,46	1.05±0.02	3±0 (6±0%)
5	7Q9	E	821	-	44,46,46	1.04±0.02	3±0 (7±1%)
5	7Q9	E	816	-	44,46,46	1.03±0.02	3±0 (7±0%)
5	7Q9	A	203	-	44,46,46	1.02±0.02	3±0 (7±0%)
5	7Q9	D	509	-	44,46,46	1.04±0.03	4±0 (8±0%)
6	17F	D	510	-	52,60,60	1.07±0.07	4±0 (6±0%)
5	7Q9	D	531	-	44,46,46	1.01±0.02	3±0 (6±0%)
5	7Q9	D	554	-	44,46,46	1.03±0.03	3±0 (7±0%)
5	7Q9	D	526	-	44,46,46	1.06±0.02	4±0 (8±0%)
5	7Q9	E	844	-	44,46,46	1.03±0.02	3±0 (7±1%)
5	7Q9	E	847	-	44,46,46	1.05±0.01	4±0 (7±1%)
5	7Q9	D	546	-	44,46,46	1.04±0.02	4±0 (8±1%)
5	7Q9	E	852	-	44,46,46	1.02±0.02	3±0 (6±0%)
5	7Q9	E	836	-	44,46,46	1.00±0.02	3±0 (6±0%)
5	7Q9	E	853	-	44,46,46	1.05±0.02	4±0 (8±0%)
5	7Q9	D	555	-	44,46,46	1.04±0.01	3±0 (6±0%)
5	7Q9	D	542	-	44,46,46	1.01±0.02	3±0 (6±0%)
5	7Q9	E	872	-	44,46,46	1.02±0.02	3±0 (6±0%)
5	7Q9	E	825	-	44,46,46	1.00±0.02	3±0 (6±0%)
5	7Q9	E	861	-	44,46,46	1.05±0.02	3±0 (6±0%)
6	17F	E	842	-	52,60,60	1.11±0.03	4±0 (7±0%)
5	7Q9	A	206	-	44,46,46	1.03±0.01	3±0 (7±0%)
6	17F	D	552	-	52,60,60	1.13±0.02	5±0 (9±0%)

Mol	Type	Chain	Res	Link	Bond angles		
					Counts	RMSZ	#Z>2
6	17F	E	808	-	52,60,60	1.10±0.02	4±0 (8±0%)
5	7Q9	D	521	-	44,46,46	1.02±0.02	3±0 (7±0%)
5	7Q9	A	218	-	44,46,46	1.03±0.03	3±0 (7±0%)
5	7Q9	B	203	-	44,46,46	1.03±0.02	3±0 (6±0%)
5	7Q9	D	515	-	44,46,46	1.05±0.02	3±0 (6±0%)
5	7Q9	E	860	-	44,46,46	1.03±0.02	3±0 (6±0%)
5	7Q9	E	801	-	44,46,46	1.04±0.01	3±0 (6±0%)
5	7Q9	D	527	-	44,46,46	1.03±0.01	3±0 (7±0%)
5	7Q9	E	869	-	44,46,46	1.04±0.02	3±0 (7±1%)
5	7Q9	E	835	-	44,46,46	1.04±0.02	3±0 (6±0%)
6	17F	E	819	-	52,60,60	1.06±0.02	4±0 (7±0%)
5	7Q9	E	877	-	44,46,46	1.03±0.02	3±0 (7±0%)
5	7Q9	D	502	-	44,46,46	1.02±0.02	4±0 (7±1%)
5	7Q9	E	840	-	44,46,46	1.02±0.01	3±0 (7±0%)
5	7Q9	A	209	-	44,46,46	1.02±0.02	3±0 (6±0%)
6	17F	E	829	-	52,60,60	1.11±0.02	4±0 (8±0%)
5	7Q9	D	508	-	44,46,46	1.04±0.01	3±0 (6±0%)
5	7Q9	E	854	-	44,46,46	1.03±0.02	3±0 (6±0%)
5	7Q9	A	212	-	44,46,46	1.03±0.03	3±0 (7±1%)
5	7Q9	E	858	-	44,46,46	1.01±0.02	3±0 (6±0%)
5	7Q9	D	543	-	44,46,46	1.04±0.01	3±0 (7±0%)
5	7Q9	D	530	-	44,46,46	1.01±0.01	3±0 (6±0%)
6	17F	D	534	-	52,60,60	1.13±0.03	5±0 (9±0%)
6	17F	D	520	-	52,60,60	1.13±0.03	4±0 (7±0%)
5	7Q9	D	504	-	44,46,46	1.03±0.02	3±0 (7±0%)
6	17F	E	812	-	52,60,60	1.08±0.04	4±0 (8±0%)
5	7Q9	D	516	-	44,46,46	0.99±0.03	3±0 (7±0%)
6	17F	E	857	-	52,60,60	1.17±0.04	4±0 (7±0%)
5	7Q9	D	512	-	44,46,46	1.04±0.01	3±0 (6±0%)
5	7Q9	E	863	-	44,46,46	1.02±0.02	3±0 (7±0%)
5	7Q9	E	813	-	44,46,46	1.09±0.02	4±0 (9±0%)
6	17F	E	820	-	52,60,60	1.07±0.03	4±0 (7±0%)
6	17F	D	517	-	52,60,60	1.07±0.03	4±0 (7±0%)
5	7Q9	E	822	-	44,46,46	1.07±0.02	4±0 (8±0%)
5	7Q9	E	830	-	44,46,46	1.02±0.02	3±0 (7±0%)

Mol	Type	Chain	Res	Link	Counts	Bond angles	
						RMSZ	#Z>2
6	17F	A	213	-	52,60,60	1.14±0.06	4±1 (8±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	A	211	-	-	0±0,42,42,42	-
5	7Q9	E	826	-	-	0±0,42,42,42	-
6	17F	E	806	-	-	0±0,55,59,59	-
5	7Q9	E	878	-	-	0±0,42,42,42	-
5	7Q9	D	556	-	-	0±0,42,42,42	-
5	7Q9	E	862	-	-	0±0,42,42,42	-
5	7Q9	A	216	-	-	0±0,42,42,42	-
6	17F	E	871	-	-	0±0,55,59,59	-
5	7Q9	D	546	-	-	0±0,42,42,42	-
5	7Q9	D	505	-	-	0±0,42,42,42	-
5	7Q9	E	843	-	-	0±0,42,42,42	-
6	17F	E	839	-	-	0±0,55,59,59	-
5	7Q9	E	809	-	-	0±0,42,42,42	-
5	7Q9	D	537	-	-	0±0,42,42,42	-
5	7Q9	D	544	-	-	0±0,42,42,42	-
5	7Q9	D	532	-	-	0±0,42,42,42	-
6	17F	D	517	-	-	0±0,55,59,59	-
5	7Q9	D	514	-	-	0±0,42,42,42	-
5	7Q9	E	877	-	-	0±0,42,42,42	-
5	7Q9	E	841	-	-	0±0,42,42,42	-
5	7Q9	E	831	-	-	0±0,42,42,42	-
5	7Q9	E	825	-	-	0±0,42,42,42	-
5	7Q9	E	855	-	-	0±0,42,42,42	-
6	17F	E	819	-	-	0±0,55,59,59	-
5	7Q9	B	210	-	-	0±0,42,42,42	-
5	7Q9	E	840	-	-	0±0,42,42,42	-
5	7Q9	D	543	-	-	0±0,42,42,42	-
5	7Q9	E	851	-	-	0±0,42,42,42	-
5	7Q9	E	864	-	-	0±0,42,42,42	-
5	7Q9	D	523	-	-	0±0,42,42,42	-
5	7Q9	D	542	-	-	0±0,42,42,42	-
6	17F	E	873	-	-	0±0,55,59,59	-
5	7Q9	E	850	-	-	0±0,42,42,42	-
5	7Q9	E	823	-	-	0±0,42,42,42	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
6	17F	B	208	-	-	0±0,55,59,59	-
5	7Q9	E	870	-	-	0±0,42,42,42	-
6	17F	D	518	-	-	0±0,55,59,59	-
5	7Q9	A	207	-	-	0±0,42,42,42	-
6	17F	E	802	-	-	0±0,55,59,59	-
5	7Q9	E	846	-	-	0±0,42,42,42	-
5	7Q9	E	832	-	-	0±0,42,42,42	-
5	7Q9	A	212	-	-	0±0,42,42,42	-
5	7Q9	E	869	-	-	0±0,42,42,42	-
5	7Q9	A	214	-	-	0±0,42,42,42	-
5	7Q9	D	512	-	-	0±0,42,42,42	-
5	7Q9	D	536	-	-	0±0,42,42,42	-
5	7Q9	E	828	-	-	0±0,42,42,42	-
5	7Q9	D	553	-	-	0±0,42,42,42	-
5	7Q9	E	849	-	-	0±0,42,42,42	-
5	7Q9	D	551	-	-	0±0,42,42,42	-
5	7Q9	E	815	-	-	0±0,42,42,42	-
5	7Q9	A	204	-	-	0±0,42,42,42	-
5	7Q9	E	868	-	-	0±0,42,42,42	-
5	7Q9	E	811	-	-	0±0,42,42,42	-
5	7Q9	E	853	-	-	0±0,42,42,42	-
3	GSP	A	201	-	-	0±0,17,38,38	0±0,3,3,3
5	7Q9	E	876	-	-	0±0,42,42,42	-
5	7Q9	D	508	-	-	0±0,42,42,42	-
5	7Q9	B	207	-	-	0±0,42,42,42	-
5	7Q9	D	513	-	-	0±0,42,42,42	-
5	7Q9	E	830	-	-	0±0,42,42,42	-
5	7Q9	E	804	-	-	0±0,42,42,42	-
5	7Q9	E	814	-	-	0±0,42,42,42	-
6	17F	D	534	-	-	0±0,55,59,59	-
5	7Q9	E	801	-	-	0±0,42,42,42	-
5	7Q9	E	807	-	-	0±0,42,42,42	-
5	7Q9	E	852	-	-	0±0,42,42,42	-
5	7Q9	E	859	-	-	0±0,42,42,42	-
5	7Q9	E	816	-	-	0±0,42,42,42	-
5	7Q9	D	547	-	-	0±0,42,42,42	-
5	7Q9	E	863	-	-	0±0,42,42,42	-
5	7Q9	B	204	-	-	0±0,42,42,42	-
5	7Q9	E	866	-	-	0±0,42,42,42	-
5	7Q9	E	836	-	-	0±0,42,42,42	-
5	7Q9	D	548	-	-	0±0,42,42,42	-
5	7Q9	E	854	-	-	0±0,42,42,42	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
5	7Q9	A	217	-	-	0±0,42,42,42	-
5	7Q9	E	867	-	-	0±0,42,42,42	-
6	17F	E	842	-	-	0±0,55,59,59	-
5	7Q9	A	215	-	-	0±0,42,42,42	-
6	17F	E	875	-	-	0±0,55,59,59	-
6	17F	D	552	-	-	0±0,55,59,59	-
5	7Q9	D	545	-	-	0±0,42,42,42	-
5	7Q9	D	541	-	-	0±0,42,42,42	-
5	7Q9	E	817	-	-	0±0,42,42,42	-
5	7Q9	E	833	-	-	0±0,42,42,42	-
6	17F	E	820	-	-	0±0,55,59,59	-
5	7Q9	A	210	-	-	0±0,42,42,42	-
5	7Q9	E	860	-	-	0±0,42,42,42	-
6	17F	D	519	-	-	0±0,55,59,59	-
6	17F	A	220	-	-	0±0,55,59,59	-
5	7Q9	E	865	-	-	0±0,42,42,42	-
5	7Q9	E	813	-	-	0±0,42,42,42	-
5	7Q9	D	502	-	-	0±0,42,42,42	-
5	7Q9	D	525	-	-	0±0,42,42,42	-
5	7Q9	D	538	-	-	0±0,42,42,42	-
5	7Q9	B	203	-	-	0±0,42,42,42	-
5	7Q9	E	805	-	-	0±0,42,42,42	-
6	17F	A	208	-	-	0±0,55,59,59	-
5	7Q9	A	205	-	-	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	856	-	-	0±0,55,59,59	-
5	7Q9	D	522	-	-	0±0,42,42,42	-
5	7Q9	D	507	-	-	0±0,42,42,42	-
5	7Q9	E	824	-	-	0±0,42,42,42	-
5	7Q9	D	549	-	-	0±0,42,42,42	-
6	17F	A	219	-	-	0±0,55,59,59	-
5	7Q9	E	827	-	-	0±0,42,42,42	-
5	7Q9	E	835	-	-	0±0,42,42,42	-
6	17F	E	829	-	-	0±0,55,59,59	-
5	7Q9	D	528	-	-	0±0,42,42,42	-
5	7Q9	E	837	-	-	0±0,42,42,42	-
5	7Q9	D	516	-	-	0±0,42,42,42	-
6	17F	E	857	-	-	0±0,55,59,59	-
6	17F	E	812	-	-	0±0,55,59,59	-
5	7Q9	A	206	-	-	0±0,42,42,42	-
5	7Q9	E	803	-	-	0±0,42,42,42	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
5	7Q9	E	822	-	-	0±0,42,42,42	-
5	7Q9	D	524	-	-	0±0,42,42,42	-
5	7Q9	D	501	-	-	0±0,42,42,42	-
5	7Q9	D	503	-	-	0±0,42,42,42	-
5	7Q9	E	874	-	-	0±0,42,42,42	-
6	17F	E	810	-	-	0±0,55,59,59	-
5	7Q9	A	209	-	-	0±0,42,42,42	-
5	7Q9	E	844	-	-	0±0,42,42,42	-
5	7Q9	A	218	-	-	0±0,42,42,42	-
6	17F	D	511	-	-	0±0,55,59,59	-
5	7Q9	D	504	-	-	0±0,42,42,42	-
6	17F	D	520	-	-	0±0,55,59,59	-
5	7Q9	B	205	-	-	0±0,42,42,42	-
5	7Q9	E	834	-	-	0±0,42,42,42	-
5	7Q9	D	527	-	-	0±0,42,42,42	-
5	7Q9	D	535	-	-	0±0,42,42,42	-
5	7Q9	E	845	-	-	0±0,42,42,42	-
5	7Q9	B	209	-	-	0±0,42,42,42	-
5	7Q9	D	531	-	-	0±0,42,42,42	-
6	17F	E	808	-	-	0±0,55,59,59	-
5	7Q9	E	872	-	-	0±0,42,42,42	-
5	7Q9	E	821	-	-	0±0,42,42,42	-
5	7Q9	E	847	-	-	0±0,42,42,42	-
5	7Q9	A	203	-	-	0±0,42,42,42	-
6	17F	A	213	-	-	0±0,55,59,59	-
6	17F	D	510	-	-	0±0,55,59,59	-
5	7Q9	D	506	-	-	0±0,42,42,42	-
6	17F	D	533	-	-	0±0,55,59,59	-
5	7Q9	D	509	-	-	0±0,42,42,42	-
6	17F	D	539	-	-	0±0,55,59,59	-
6	17F	D	540	-	-	0±0,55,59,59	-
5	7Q9	D	526	-	-	0±0,42,42,42	-
5	7Q9	E	858	-	-	0±0,42,42,42	-
5	7Q9	E	861	-	-	0±0,42,42,42	-
5	7Q9	D	515	-	-	0±0,42,42,42	-
6	17F	E	818	-	-	0±0,55,59,59	-
5	7Q9	E	848	-	-	0±0,42,42,42	-
5	7Q9	E	838	-	-	0±0,42,42,42	-
3	GSP	B	201	-	-	0±0,17,38,38	0±0,3,3,3
5	7Q9	D	550	-	-	0±0,42,42,42	-
5	7Q9	D	554	-	-	0±0,42,42,42	-
5	7Q9	D	521	-	-	0±0,42,42,42	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
5	7Q9	D	529	-	-	0±0,42,42,42	-
5	7Q9	D	555	-	-	0±0,42,42,42	-

All 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	A	201	GSP	C6-N1	4.34	1.40	1.33	8	20
3	B	201	GSP	C6-N1	4.30	1.40	1.33	2	20
3	A	201	GSP	C2-N1	2.98	1.40	1.35	20	20
3	B	201	GSP	C2-N1	2.95	1.40	1.35	1	20
3	B	201	GSP	O4'-C1'	2.42	1.44	1.41	18	20
3	A	201	GSP	O4'-C1'	2.42	1.44	1.41	8	20
3	A	201	GSP	PG-O2G	2.07	1.48	1.54	9	13
3	B	201	GSP	PG-O2G	2.07	1.48	1.54	13	12
3	A	201	GSP	PG-O3G	2.00	1.48	1.54	12	1
3	B	201	GSP	PG-O3G	2.00	1.48	1.54	11	1

All 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(°)	Ideal(°)	Models	
								Worst	Total
3	A	201	GSP	C2-N3-C4	5.32	121.44	115.36	14	20
3	B	201	GSP	N3-C2-N1	5.30	120.16	127.22	14	20
3	B	201	GSP	C2-N3-C4	5.29	121.40	115.36	9	20
6	E	839	17F	O3-C1-C2	5.25	112.64	108.06	2	20
3	A	201	GSP	N3-C2-N1	5.21	120.27	127.22	14	20
6	E	806	17F	O3-C1-C2	5.19	112.58	108.06	10	20
6	E	857	17F	O3-C1-C2	4.74	112.19	108.06	9	20
6	E	810	17F	O3-C1-C2	4.63	112.10	108.06	19	20
6	D	510	17F	O3-C1-C2	4.52	112.00	108.06	9	20
6	D	552	17F	O3-C1-C2	4.51	111.99	108.06	19	20
6	D	533	17F	O3-C1-C2	4.50	111.98	108.06	1	20
6	E	812	17F	O3-C1-C2	4.45	111.94	108.06	8	20
6	B	208	17F	O3-C1-C2	4.45	111.94	108.06	7	20
6	D	510	17F	O9-C17-C18	4.43	121.06	111.50	15	20
6	E	871	17F	O3-C1-C2	4.43	111.92	108.06	15	20
6	E	818	17F	O3-C1-C2	4.42	111.92	108.06	10	20
6	E	875	17F	O3-C1-C2	4.42	111.91	108.06	18	20
6	E	873	17F	O3-C1-C2	4.35	111.85	108.06	16	20
6	D	539	17F	O3-C1-C2	4.28	111.79	108.06	16	20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
6	D	533	17F	O9-C17-C18	4.26	120.69	111.50	19	20
6	D	534	17F	O3-C1-C2	4.26	111.77	108.06	18	20
6	A	208	17F	O3-C1-C2	4.26	111.77	108.06	16	20
6	D	518	17F	O3-C1-C2	4.25	111.76	108.06	13	20
6	E	842	17F	O3-C1-C2	4.23	111.75	108.06	13	20
6	D	511	17F	O3-C1-C2	4.22	111.74	108.06	7	20
6	A	213	17F	O9-C17-C18	4.22	120.59	111.50	19	20
6	D	517	17F	O3-C1-C2	4.21	111.73	108.06	11	20
6	E	819	17F	O3-C1-C2	4.19	111.71	108.06	20	20
6	E	802	17F	O9-C17-C18	4.17	120.49	111.50	4	20
6	A	219	17F	O3-C1-C2	4.16	111.68	108.06	5	20
6	D	540	17F	O9-C17-C18	4.13	120.41	111.50	12	20
6	A	219	17F	O9-C17-C18	4.13	120.39	111.50	11	20
6	D	520	17F	O3-C1-C2	4.09	111.63	108.06	14	20
6	E	873	17F	O9-C17-C18	4.06	120.25	111.50	20	20
6	A	220	17F	O3-C1-C2	4.06	111.59	108.06	6	20
6	E	829	17F	O3-C1-C2	4.03	111.57	108.06	19	20
6	D	520	17F	O9-C17-C18	4.02	120.17	111.50	18	20
6	A	213	17F	O3-C1-C2	4.00	111.54	108.06	2	20
6	E	857	17F	O9-C17-C18	4.00	120.11	111.50	13	20
6	E	806	17F	O9-C17-C18	3.99	120.11	111.50	1	20
6	E	820	17F	O3-C1-C2	3.99	111.54	108.06	12	20
6	D	518	17F	O9-C17-C18	3.97	120.06	111.50	16	20
6	E	810	17F	O9-C17-C18	3.96	120.03	111.50	4	20
5	D	532	7Q9	C2-O21-C21	3.95	108.07	117.79	15	20
6	D	539	17F	O9-C17-C18	3.94	120.00	111.50	17	20
6	D	519	17F	O9-C17-C18	3.93	119.98	111.50	5	20
6	E	802	17F	O3-C1-C2	3.93	111.49	108.06	6	20
6	D	517	17F	O9-C17-C18	3.92	119.94	111.50	12	20
6	E	802	17F	C5-O9-C17	3.92	108.15	117.79	4	20
6	E	873	17F	C5-O9-C17	3.90	108.19	117.79	10	20
5	E	864	7Q9	C2-O21-C21	3.89	108.21	117.79	19	20
6	D	520	17F	C5-O9-C17	3.89	108.20	117.79	18	20
6	E	871	17F	O9-C17-C18	3.87	119.84	111.50	9	20
6	D	534	17F	O9-C17-C18	3.86	119.82	111.50	11	20
6	D	540	17F	C5-O9-C17	3.85	108.32	117.79	11	20
6	A	220	17F	O9-C17-C18	3.83	119.75	111.50	17	20
6	E	808	17F	O9-C17-C18	3.80	119.69	111.50	8	20
6	E	808	17F	O3-C1-C2	3.79	111.37	108.06	10	20
6	A	208	17F	O9-C17-C18	3.79	119.67	111.50	15	20
6	E	842	17F	O9-C17-C18	3.79	119.67	111.50	1	20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
6	E	857	17F	C5-O9-C17	3.79	108.47	117.79	13	20
6	D	519	17F	O3-C1-C2	3.78	111.36	108.06	19	20
6	E	875	17F	O9-C17-C18	3.77	119.62	111.50	13	20
6	E	839	17F	O9-C17-C18	3.76	119.61	111.50	20	20
6	E	856	17F	O9-C17-C18	3.76	119.60	111.50	8	20
6	E	856	17F	O3-C1-C2	3.75	111.33	108.06	3	20
6	D	552	17F	O9-C17-C18	3.74	119.56	111.50	17	20
6	E	829	17F	O9-C17-C18	3.74	119.56	111.50	16	20
6	B	208	17F	O9-C17-C18	3.73	119.55	111.50	9	20
3	B	201	GSP	C5-C6-N1	3.73	118.33	123.43	20	20
6	D	539	17F	C5-O9-C17	3.72	108.62	117.79	17	20
6	D	519	17F	C5-O9-C17	3.71	108.65	117.79	4	20
6	D	511	17F	O9-C17-C18	3.71	119.50	111.50	20	20
5	E	852	7Q9	C2-O21-C21	3.70	108.67	117.79	3	20
6	E	818	17F	O9-C17-C18	3.70	119.48	111.50	5	20
3	A	201	GSP	C5-C6-N1	3.69	118.38	123.43	15	20
5	A	210	7Q9	C2-O21-C21	3.69	108.71	117.79	14	20
6	E	806	17F	C5-O9-C17	3.69	108.71	117.79	1	20
5	E	801	7Q9	C2-O21-C21	3.68	108.73	117.79	5	20
6	E	820	17F	O9-C17-C18	3.68	119.43	111.50	5	20
5	D	523	7Q9	C2-O21-C21	3.67	108.75	117.79	15	20
5	A	218	7Q9	C2-O21-C21	3.67	108.76	117.79	16	20
6	D	510	17F	C5-O9-C17	3.66	108.77	117.79	17	9
5	E	811	7Q9	C2-O21-C21	3.66	108.78	117.79	7	20
6	E	812	17F	O9-C17-C18	3.66	119.38	111.50	6	20
6	A	219	17F	C5-O9-C17	3.65	108.80	117.79	12	20
5	B	204	7Q9	C2-O21-C21	3.65	108.81	117.79	11	20
5	A	207	7Q9	C2-O21-C21	3.64	108.82	117.79	15	20
5	D	506	7Q9	C2-O21-C21	3.64	108.83	117.79	19	20
6	D	540	17F	O3-C1-C2	3.64	111.23	108.06	3	20
5	E	822	7Q9	C2-O21-C21	3.61	108.90	117.79	11	20
6	A	213	17F	C5-O9-C17	3.61	108.91	117.79	14	19
5	A	214	7Q9	C2-O21-C21	3.60	108.92	117.79	17	20
5	E	855	7Q9	C2-O21-C21	3.60	108.93	117.79	9	20
5	E	807	7Q9	C2-O21-C21	3.60	108.93	117.79	20	20
3	A	201	GSP	PA-O3A-PB	3.59	120.52	132.83	6	20
5	E	874	7Q9	C2-O21-C21	3.58	108.97	117.79	3	20
6	D	518	17F	C5-O9-C17	3.58	108.97	117.79	2	20
6	D	533	17F	C5-O9-C17	3.58	108.98	117.79	20	20
3	B	201	GSP	PA-O3A-PB	3.58	120.55	132.83	17	20
5	D	550	7Q9	C2-O21-C21	3.57	109.00	117.79	2	20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
5	E	877	7Q9	C2-O21-C21	3.57	109.00	117.79	6	20
5	B	206	7Q9	C2-O21-C21	3.56	109.03	117.79	16	20
5	E	865	7Q9	C2-O21-C21	3.56	109.03	117.79	4	20
5	D	529	7Q9	C2-O21-C21	3.56	109.04	117.79	15	20
5	E	859	7Q9	C2-O21-C21	3.55	109.04	117.79	14	20
5	A	205	7Q9	C2-O21-C21	3.55	109.04	117.79	8	20
5	B	203	7Q9	C2-O21-C21	3.55	109.05	117.79	3	20
6	E	810	17F	C5-O9-C17	3.55	109.06	117.79	4	20
5	E	866	7Q9	C2-O21-C21	3.54	109.08	117.79	10	20
5	E	869	7Q9	C2-O21-C21	3.53	109.09	117.79	4	20
5	D	507	7Q9	C2-O21-C21	3.53	109.10	117.79	18	20
5	A	209	7Q9	C2-O21-C21	3.53	109.11	117.79	18	20
5	D	508	7Q9	C2-O21-C21	3.53	109.11	117.79	14	20
5	D	514	7Q9	C2-O21-C21	3.53	109.11	117.79	11	20
5	D	525	7Q9	C2-O21-C21	3.53	109.11	117.79	6	20
5	A	216	7Q9	C2-O21-C21	3.52	109.12	117.79	18	20
5	E	831	7Q9	C2-O21-C21	3.52	109.12	117.79	16	20
5	A	215	7Q9	C2-O21-C21	3.52	109.13	117.79	12	20
5	D	536	7Q9	C2-O21-C21	3.52	109.13	117.79	6	20
5	E	844	7Q9	C2-O21-C21	3.52	109.13	117.79	16	20
5	E	835	7Q9	C2-O21-C21	3.51	109.15	117.79	20	20
5	E	805	7Q9	C2-O21-C21	3.50	109.18	117.79	12	20
6	A	220	17F	C5-O9-C17	3.50	109.18	117.79	8	20
5	E	848	7Q9	C2-O21-C21	3.50	109.19	117.79	5	20
5	D	543	7Q9	C2-O21-C21	3.49	109.19	117.79	12	20
5	E	861	7Q9	C2-O21-C21	3.49	109.19	117.79	11	20
5	D	512	7Q9	C2-O21-C21	3.49	109.20	117.79	17	20
5	D	501	7Q9	C2-O21-C21	3.49	109.21	117.79	6	20
5	D	524	7Q9	C2-O21-C21	3.49	109.21	117.79	20	20
5	E	828	7Q9	C2-O21-C21	3.49	109.21	117.79	19	20
5	D	551	7Q9	C2-O21-C21	3.48	109.22	117.79	5	20
6	E	871	17F	C5-O9-C17	3.48	109.22	117.79	9	20
6	A	208	17F	C5-O9-C17	3.48	109.23	117.79	1	20
5	E	860	7Q9	C2-O21-C21	3.48	109.23	117.79	5	20
5	D	555	7Q9	C2-O21-C21	3.47	109.24	117.79	8	20
5	D	553	7Q9	C2-O21-C21	3.47	109.24	117.79	19	20
5	E	833	7Q9	C2-O21-C21	3.47	109.25	117.79	9	20
5	D	515	7Q9	C2-O21-C21	3.47	109.25	117.79	8	20
5	E	821	7Q9	C2-O21-C21	3.47	109.26	117.79	1	20
5	D	538	7Q9	C2-O21-C21	3.46	109.27	117.79	19	20
5	E	845	7Q9	C2-O21-C21	3.45	109.29	117.79	5	20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
5	A	206	7Q9	C2-O21-C21	3.45	109.29	117.79	4	20
5	E	850	7Q9	C2-O21-C21	3.45	109.30	117.79	20	20
5	E	824	7Q9	C2-O21-C21	3.44	109.31	117.79	12	20
5	E	862	7Q9	C2-O21-C21	3.44	109.32	117.79	13	20
5	D	513	7Q9	C2-O21-C21	3.44	109.32	117.79	13	20
5	E	827	7Q9	C2-O21-C21	3.44	109.32	117.79	20	20
5	D	541	7Q9	C2-O21-C21	3.43	109.33	117.79	1	20
5	D	556	7Q9	C2-O21-C21	3.44	109.33	117.79	16	20
5	E	870	7Q9	C2-O21-C21	3.43	109.34	117.79	15	20
5	D	549	7Q9	C2-O21-C21	3.43	109.34	117.79	4	20
5	E	854	7Q9	C2-O21-C21	3.43	109.35	117.79	6	20
6	D	552	17F	C5-O9-C17	3.43	109.35	117.79	15	20
5	B	207	7Q9	C2-O21-C21	3.43	109.36	117.79	11	20
5	E	878	7Q9	C2-O21-C21	3.42	109.36	117.79	20	20
5	A	211	7Q9	C2-O21-C21	3.42	109.37	117.79	5	20
5	B	209	7Q9	C2-O21-C21	3.42	109.37	117.79	10	20
6	E	819	17F	O9-C17-C18	3.42	118.87	111.50	18	20
5	E	838	7Q9	C2-O21-C21	3.42	109.38	117.79	1	20
5	D	554	7Q9	C2-O21-C21	3.41	109.40	117.79	6	20
5	D	504	7Q9	C2-O21-C21	3.41	109.40	117.79	3	20
5	E	814	7Q9	C2-O21-C21	3.41	109.40	117.79	10	20
5	E	840	7Q9	C2-O21-C21	3.41	109.40	117.79	5	20
5	D	505	7Q9	C2-O21-C21	3.40	109.42	117.79	5	20
5	D	509	7Q9	C2-O21-C21	3.40	109.42	117.79	10	20
5	E	803	7Q9	C2-O21-C21	3.40	109.42	117.79	19	20
5	D	544	7Q9	C2-O21-C21	3.40	109.43	117.79	18	20
5	E	809	7Q9	C2-O21-C21	3.40	109.43	117.79	16	20
5	D	503	7Q9	C2-O21-C21	3.40	109.43	117.79	12	20
5	D	542	7Q9	C2-O21-C21	3.39	109.44	117.79	5	20
5	E	853	7Q9	C2-O21-C21	3.39	109.44	117.79	1	20
5	A	217	7Q9	C2-O21-C21	3.39	109.45	117.79	12	20
5	D	522	7Q9	C2-O21-C21	3.39	109.45	117.79	6	20
5	D	537	7Q9	C2-O21-C21	3.39	109.45	117.79	1	20
5	E	832	7Q9	C2-O21-C21	3.39	109.45	117.79	18	20
5	E	851	7Q9	C2-O21-C21	3.38	109.46	117.79	2	20
5	E	858	7Q9	C2-O21-C21	3.38	109.47	117.79	3	20
5	E	847	7Q9	C2-O21-C21	3.37	109.49	117.79	12	20
5	E	825	7Q9	C2-O21-C21	3.37	109.50	117.79	3	20
5	D	535	7Q9	C2-O21-C21	3.36	109.52	117.79	18	20
5	E	815	7Q9	C2-O21-C21	3.36	109.53	117.79	14	20
5	E	876	7Q9	C2-O21-C21	3.36	109.53	117.79	2	20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
5	E	852	7Q9	O21-C21-C22	3.35	120.15	110.80	3	20
5	D	527	7Q9	C2-O21-C21	3.35	109.54	117.79	11	20
5	E	816	7Q9	C2-O21-C21	3.35	109.54	117.79	1	20
5	E	846	7Q9	C2-O21-C21	3.35	109.54	117.79	2	20
5	E	859	7Q9	O21-C21-C22	3.34	120.12	110.80	13	20
5	D	530	7Q9	C2-O21-C21	3.33	109.59	117.79	9	20
5	E	863	7Q9	C2-O21-C21	3.33	109.59	117.79	3	20
5	E	836	7Q9	C2-O21-C21	3.33	109.60	117.79	11	20
5	E	864	7Q9	O21-C21-C22	3.33	120.08	110.80	5	20
5	E	867	7Q9	C2-O21-C21	3.33	109.60	117.79	6	20
5	E	813	7Q9	C2-O21-C21	3.32	109.61	117.79	8	20
5	D	502	7Q9	C2-O21-C21	3.32	109.62	117.79	6	20
5	D	531	7Q9	C2-O21-C21	3.32	109.63	117.79	8	20
3	A	201	GSP	O4'-C1'-C2'	3.31	102.09	106.93	1	17
5	D	523	7Q9	O21-C21-C22	3.31	120.03	110.80	15	20
5	D	532	7Q9	O21-C21-C22	3.31	120.03	110.80	15	20
5	E	826	7Q9	C2-O21-C21	3.31	109.65	117.79	16	20
5	D	516	7Q9	C2-O21-C21	3.30	109.66	117.79	4	20
6	E	842	17F	C5-O9-C17	3.30	109.67	117.79	2	20
5	E	872	7Q9	C2-O21-C21	3.29	109.69	117.79	11	20
5	D	514	7Q9	O21-C21-C22	3.29	119.97	110.80	1	20
5	E	836	7Q9	O21-C21-C22	3.29	119.97	110.80	14	20
5	E	861	7Q9	O21-C21-C22	3.29	119.97	110.80	11	20
6	E	808	17F	C5-O9-C17	3.29	109.70	117.79	11	20
5	A	203	7Q9	C2-O21-C21	3.28	109.70	117.79	2	20
5	D	508	7Q9	O21-C21-C22	3.28	119.95	110.80	14	20
5	A	214	7Q9	O21-C21-C22	3.28	119.94	110.80	17	20
5	D	528	7Q9	C2-O21-C21	3.28	109.72	117.79	12	20
5	D	529	7Q9	O21-C21-C22	3.28	119.94	110.80	5	20
5	D	547	7Q9	C2-O21-C21	3.28	109.72	117.79	8	20
5	B	205	7Q9	C2-O21-C21	3.27	109.73	117.79	7	20
5	E	868	7Q9	C2-O21-C21	3.28	109.73	117.79	17	20
5	E	803	7Q9	O21-C21-C22	3.27	119.93	110.80	6	20
5	E	837	7Q9	C2-O21-C21	3.27	109.73	117.79	2	20
5	E	841	7Q9	C2-O21-C21	3.27	109.73	117.79	5	20
6	E	856	17F	C5-O9-C17	3.27	109.73	117.79	7	20
5	D	555	7Q9	O21-C21-C22	3.27	119.92	110.80	3	20
5	E	850	7Q9	O21-C21-C22	3.27	119.92	110.80	16	20
5	E	849	7Q9	C2-O21-C21	3.27	109.75	117.79	12	20
5	A	215	7Q9	O21-C21-C22	3.26	119.90	110.80	20	20
5	E	860	7Q9	O21-C21-C22	3.26	119.90	110.80	5	20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
5	E	862	7Q9	O21-C21-C22	3.26	119.90	110.80	13	20
5	D	531	7Q9	O21-C21-C22	3.26	119.89	110.80	13	20
6	E	818	17F	C5-O9-C17	3.26	109.76	117.79	4	20
5	E	835	7Q9	O21-C21-C22	3.26	119.89	110.80	5	20
5	E	874	7Q9	O21-C21-C22	3.26	119.89	110.80	4	20
5	D	545	7Q9	C2-O21-C21	3.26	109.77	117.79	4	20
5	D	548	7Q9	C2-O21-C21	3.26	109.77	117.79	9	20
5	E	834	7Q9	C2-O21-C21	3.26	109.78	117.79	20	20
5	A	216	7Q9	O21-C21-C22	3.25	119.87	110.80	9	20
5	E	845	7Q9	O21-C21-C22	3.25	119.88	110.80	3	20
5	A	204	7Q9	C2-O21-C21	3.25	109.78	117.79	6	20
5	A	212	7Q9	C2-O21-C21	3.25	109.78	117.79	5	20
5	E	822	7Q9	O21-C21-C22	3.25	119.87	110.80	14	20
6	B	208	17F	C5-O9-C17	3.25	109.79	117.79	10	20
6	D	517	17F	C5-O9-C17	3.25	109.78	117.79	7	20
5	E	821	7Q9	O21-C21-C22	3.25	119.86	110.80	1	20
5	D	526	7Q9	O21-C21-C22	3.25	119.86	110.80	5	20
5	B	210	7Q9	C2-O21-C21	3.25	109.80	117.79	19	20
5	E	804	7Q9	C2-O21-C21	3.25	109.80	117.79	3	20
5	D	524	7Q9	O21-C21-C22	3.24	119.85	110.80	19	20
5	D	543	7Q9	O21-C21-C22	3.24	119.85	110.80	13	20
5	B	207	7Q9	O21-C21-C22	3.24	119.84	110.80	12	20
5	B	210	7Q9	O21-C21-C22	3.24	119.84	110.80	19	20
5	E	804	7Q9	O21-C21-C22	3.24	119.84	110.80	18	20
5	E	817	7Q9	C2-O21-C21	3.24	109.81	117.79	15	20
5	E	834	7Q9	O21-C21-C22	3.24	119.85	110.80	6	20
5	E	855	7Q9	O21-C21-C22	3.24	119.84	110.80	14	20
6	D	534	17F	C5-O9-C17	3.24	109.81	117.79	11	20
5	D	513	7Q9	O21-C21-C22	3.24	119.84	110.80	11	20
5	E	877	7Q9	O21-C21-C22	3.24	119.84	110.80	7	20
5	B	203	7Q9	O21-C21-C22	3.24	119.83	110.80	1	20
5	D	501	7Q9	O21-C21-C22	3.24	119.83	110.80	11	20
5	A	205	7Q9	O21-C21-C22	3.24	119.83	110.80	8	20
5	A	207	7Q9	O21-C21-C22	3.24	119.82	110.80	15	20
5	D	512	7Q9	O21-C21-C22	3.24	119.82	110.80	17	20
5	E	828	7Q9	O21-C21-C22	3.24	119.82	110.80	8	20
5	E	847	7Q9	O21-C21-C22	3.23	119.82	110.80	9	20
5	E	870	7Q9	O21-C21-C22	3.24	119.82	110.80	11	20
5	E	805	7Q9	O21-C21-C22	3.23	119.82	110.80	12	20
5	A	210	7Q9	O21-C21-C22	3.23	119.81	110.80	14	20
5	D	550	7Q9	O21-C21-C22	3.23	119.81	110.80	3	20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
5	E	840	7Q9	O21-C21-C22	3.23	119.81	110.80	12	20
5	D	522	7Q9	O21-C21-C22	3.23	119.81	110.80	16	20
5	D	547	7Q9	O21-C21-C22	3.23	119.81	110.80	13	20
5	E	825	7Q9	O21-C21-C22	3.23	119.81	110.80	13	20
5	E	851	7Q9	O21-C21-C22	3.23	119.81	110.80	10	20
5	E	867	7Q9	O21-C21-C22	3.23	119.81	110.80	6	20
5	A	211	7Q9	O21-C21-C22	3.23	119.80	110.80	5	20
5	B	209	7Q9	O21-C21-C22	3.23	119.80	110.80	14	20
5	D	554	7Q9	O21-C21-C22	3.23	119.80	110.80	1	20
5	D	553	7Q9	O21-C21-C22	3.23	119.80	110.80	19	20
5	A	209	7Q9	O21-C21-C22	3.22	119.79	110.80	3	20
5	B	204	7Q9	O21-C21-C22	3.23	119.79	110.80	11	20
5	B	206	7Q9	O21-C21-C22	3.23	119.80	110.80	12	20
5	E	849	7Q9	O21-C21-C22	3.22	119.79	110.80	12	20
5	E	833	7Q9	O21-C21-C22	3.22	119.79	110.80	7	20
5	E	866	7Q9	O21-C21-C22	3.22	119.79	110.80	18	20
5	A	218	7Q9	O21-C21-C22	3.22	119.78	110.80	7	20
5	D	506	7Q9	O21-C21-C22	3.22	119.78	110.80	10	20
5	E	838	7Q9	O21-C21-C22	3.22	119.78	110.80	15	20
5	D	546	7Q9	O21-C21-C22	3.22	119.78	110.80	14	20
5	E	809	7Q9	O21-C21-C22	3.22	119.78	110.80	18	20
5	D	544	7Q9	O21-C21-C22	3.22	119.77	110.80	8	20
5	D	526	7Q9	C2-O21-C21	3.21	109.88	117.79	5	20
5	D	541	7Q9	O21-C21-C22	3.22	119.77	110.80	5	20
5	D	549	7Q9	O21-C21-C22	3.21	119.77	110.80	4	20
5	E	824	7Q9	O21-C21-C22	3.22	119.77	110.80	2	20
5	E	831	7Q9	O21-C21-C22	3.21	119.77	110.80	1	20
5	E	846	7Q9	O21-C21-C22	3.21	119.76	110.80	6	20
5	E	813	7Q9	O21-C21-C22	3.21	119.76	110.80	13	20
5	E	844	7Q9	O21-C21-C22	3.21	119.76	110.80	5	20
5	D	521	7Q9	C2-O21-C21	3.21	109.88	117.79	12	20
5	D	525	7Q9	O21-C21-C22	3.21	119.75	110.80	19	20
5	D	537	7Q9	O21-C21-C22	3.21	119.76	110.80	17	20
5	D	546	7Q9	C2-O21-C21	3.21	109.89	117.79	11	20
5	D	551	7Q9	O21-C21-C22	3.21	119.76	110.80	2	20
5	E	876	7Q9	O21-C21-C22	3.21	119.76	110.80	9	20
5	E	801	7Q9	O21-C21-C22	3.21	119.75	110.80	5	20
5	D	542	7Q9	O21-C21-C22	3.21	119.75	110.80	17	20
5	E	815	7Q9	O21-C21-C22	3.21	119.75	110.80	14	20
5	D	502	7Q9	O21-C21-C22	3.21	119.75	110.80	16	20
5	D	515	7Q9	O21-C21-C22	3.21	119.75	110.80	7	20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
5	E	832	7Q9	O21-C21-C22	3.21	119.75	110.80	12	20
5	E	869	7Q9	O21-C21-C22	3.21	119.74	110.80	2	20
5	E	816	7Q9	O21-C21-C22	3.20	119.74	110.80	8	20
6	D	511	17F	C5-O9-C17	3.21	109.90	117.79	17	20
5	D	505	7Q9	O21-C21-C22	3.20	119.73	110.80	3	20
5	D	521	7Q9	O21-C21-C22	3.20	119.73	110.80	8	20
5	D	536	7Q9	O21-C21-C22	3.20	119.73	110.80	11	20
5	E	848	7Q9	O21-C21-C22	3.20	119.73	110.80	13	20
5	E	837	7Q9	O21-C21-C22	3.20	119.73	110.80	10	20
5	E	865	7Q9	O21-C21-C22	3.20	119.73	110.80	3	20
5	E	823	7Q9	C2-O21-C21	3.20	109.92	117.79	10	20
5	E	863	7Q9	O21-C21-C22	3.20	119.72	110.80	3	20
5	D	527	7Q9	O21-C21-C22	3.20	119.71	110.80	12	20
5	E	854	7Q9	O21-C21-C22	3.20	119.71	110.80	15	20
5	E	878	7Q9	O21-C21-C22	3.20	119.71	110.80	12	20
5	D	507	7Q9	O21-C21-C22	3.19	119.71	110.80	16	20
5	D	538	7Q9	O21-C21-C22	3.20	119.71	110.80	15	20
5	A	217	7Q9	O21-C21-C22	3.19	119.70	110.80	9	20
5	D	503	7Q9	O21-C21-C22	3.19	119.71	110.80	16	20
5	D	535	7Q9	O21-C21-C22	3.19	119.70	110.80	7	20
5	D	545	7Q9	O21-C21-C22	3.19	119.70	110.80	2	20
5	E	807	7Q9	O21-C21-C22	3.19	119.70	110.80	4	20
5	A	204	7Q9	O21-C21-C22	3.19	119.70	110.80	5	20
5	A	212	7Q9	O21-C21-C22	3.19	119.70	110.80	4	20
5	E	841	7Q9	O21-C21-C22	3.19	119.69	110.80	7	20
5	E	843	7Q9	O21-C21-C22	3.19	119.70	110.80	10	20
5	E	853	7Q9	O21-C21-C22	3.19	119.69	110.80	1	20
5	E	868	7Q9	O21-C21-C22	3.19	119.69	110.80	12	20
5	D	504	7Q9	O21-C21-C22	3.19	119.68	110.80	11	20
5	D	509	7Q9	O21-C21-C22	3.18	119.68	110.80	19	20
5	E	827	7Q9	O21-C21-C22	3.18	119.68	110.80	3	20
5	D	530	7Q9	O21-C21-C22	3.18	119.68	110.80	6	20
5	E	811	7Q9	O21-C21-C22	3.18	119.68	110.80	6	20
5	E	826	7Q9	O21-C21-C22	3.18	119.67	110.80	15	20
5	E	858	7Q9	O21-C21-C22	3.18	119.67	110.80	15	20
5	B	205	7Q9	O21-C21-C22	3.18	119.66	110.80	16	20
5	E	843	7Q9	C2-O21-C21	3.18	109.97	117.79	18	20
5	E	823	7Q9	O21-C21-C22	3.18	119.66	110.80	12	20
5	D	556	7Q9	O21-C21-C22	3.17	119.65	110.80	10	20
5	A	203	7Q9	O21-C21-C22	3.17	119.64	110.80	3	20
5	A	206	7Q9	O21-C21-C22	3.17	119.64	110.80	5	20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
5	E	830	7Q9	O21-C21-C22	3.17	119.63	110.80	20	20
5	E	814	7Q9	O21-C21-C22	3.16	119.62	110.80	16	20
5	D	528	7Q9	O21-C21-C22	3.16	119.61	110.80	19	20
5	D	548	7Q9	O21-C21-C22	3.16	119.61	110.80	17	20
5	E	817	7Q9	O21-C21-C22	3.15	119.59	110.80	15	20
5	E	872	7Q9	O21-C21-C22	3.15	119.60	110.80	11	20
5	D	516	7Q9	O21-C21-C22	3.15	119.58	110.80	15	20
6	E	812	17F	C5-O9-C17	3.14	110.06	117.79	3	20
6	E	820	17F	C5-O9-C17	3.12	110.10	117.79	5	20
6	E	829	17F	C5-O9-C17	3.11	110.13	117.79	6	20
5	E	830	7Q9	C2-O21-C21	3.09	110.19	117.79	20	20
6	E	875	17F	C5-O9-C17	3.08	110.20	117.79	14	20
3	B	201	GSP	O4'-C1'-C2'	3.05	102.47	106.93	8	17
6	E	839	17F	C5-O9-C17	2.96	110.50	117.79	20	19
5	D	532	7Q9	O31-C31-C32	2.95	121.17	111.91	10	20
6	E	810	17F	O7-C7-C8	2.89	120.97	111.91	1	20
6	E	819	17F	C5-O9-C17	2.88	110.70	117.79	18	20
6	A	213	17F	O7-C7-C8	2.85	120.86	111.91	14	20
6	D	510	17F	O7-C7-C8	2.82	120.75	111.91	10	20
5	E	813	7Q9	O31-C31-C32	2.79	120.65	111.91	19	20
6	E	839	17F	O7-C7-C8	2.78	120.65	111.91	10	20
6	D	518	17F	O7-C7-C8	2.76	120.57	111.91	9	20
5	E	817	7Q9	O31-C31-C32	2.75	120.54	111.91	12	20
5	D	503	7Q9	O31-C31-C32	2.75	120.53	111.91	10	20
5	D	509	7Q9	O31-C31-C32	2.73	120.48	111.91	10	20
5	D	526	7Q9	O31-C31-C32	2.71	120.42	111.91	4	20
5	E	822	7Q9	O31-C31-C32	2.71	120.41	111.91	10	20
5	E	860	7Q9	O31-C31-C32	2.71	120.40	111.91	3	20
5	A	212	7Q9	O31-C31-C32	2.70	120.39	111.91	20	20
5	A	216	7Q9	O31-C31-C32	2.70	120.38	111.91	7	20
5	E	838	7Q9	O31-C31-C32	2.69	120.36	111.91	6	20
5	D	537	7Q9	O31-C31-C32	2.69	120.35	111.91	16	20
5	D	549	7Q9	O31-C31-C32	2.67	120.30	111.91	12	20
5	E	821	7Q9	O31-C31-C32	2.67	120.28	111.91	18	20
5	E	807	7Q9	O31-C31-C32	2.67	120.27	111.91	7	20
5	D	548	7Q9	O31-C31-C32	2.66	120.26	111.91	20	20
5	E	864	7Q9	O31-C31-C32	2.66	120.26	111.91	6	20
6	E	812	17F	O7-C7-C8	2.66	120.25	111.91	3	20
5	D	528	7Q9	O31-C31-C32	2.65	120.22	111.91	17	20
3	A	201	GSP	C3'-C2'-C1'	2.64	97.00	100.98	19	17
5	A	210	7Q9	O31-C31-C32	2.64	120.19	111.91	2	20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
5	A	218	7Q9	O31-C31-C32	2.64	120.19	111.91	7	20
6	A	213	17F	C6-O7-C7	2.63	107.37	117.12	9	10
6	A	219	17F	O7-C7-C8	2.63	120.17	111.91	2	20
5	E	851	7Q9	O31-C31-C32	2.62	120.13	111.91	15	20
5	E	847	7Q9	O31-C31-C32	2.62	120.12	111.91	15	20
5	D	505	7Q9	O31-C31-C32	2.61	120.11	111.91	18	20
5	E	816	7Q9	O31-C31-C32	2.61	120.10	111.91	12	20
5	E	844	7Q9	O31-C31-C32	2.61	120.09	111.91	17	20
5	E	837	7Q9	O31-C31-C32	2.61	120.09	111.91	6	20
5	E	870	7Q9	O31-C31-C32	2.61	120.08	111.91	5	20
6	D	534	17F	O7-C7-C8	2.61	120.09	111.91	5	20
5	D	501	7Q9	O31-C31-C32	2.60	120.07	111.91	5	20
6	E	873	17F	O7-C7-C8	2.60	120.07	111.91	5	20
5	D	532	7Q9	C3-O31-C31	2.60	107.50	117.12	10	20
5	D	546	7Q9	O31-C31-C32	2.60	120.07	111.91	17	20
6	E	857	17F	O7-C7-C8	2.60	120.06	111.91	1	20
5	D	525	7Q9	O31-C31-C32	2.60	120.06	111.91	20	20
5	A	217	7Q9	O31-C31-C32	2.59	120.05	111.91	19	20
5	E	846	7Q9	O31-C31-C32	2.59	120.04	111.91	3	20
6	D	552	17F	O7-C7-C8	2.59	120.04	111.91	1	20
5	E	811	7Q9	O31-C31-C32	2.58	120.01	111.91	4	20
5	E	801	7Q9	O31-C31-C32	2.58	120.01	111.91	2	20
5	E	815	7Q9	O31-C31-C32	2.58	119.99	111.91	6	20
5	E	853	7Q9	O31-C31-C32	2.57	119.98	111.91	1	20
6	D	511	17F	O7-C7-C8	2.57	119.99	111.91	18	20
5	D	553	7Q9	O31-C31-C32	2.57	119.98	111.91	10	20
6	A	220	17F	O7-C7-C8	2.57	119.97	111.91	16	20
5	D	524	7Q9	O31-C31-C32	2.56	119.96	111.91	6	20
5	E	845	7Q9	O31-C31-C32	2.56	119.95	111.91	6	20
5	D	527	7Q9	O31-C31-C32	2.56	119.93	111.91	10	20
5	A	214	7Q9	O31-C31-C32	2.55	119.92	111.91	1	20
5	E	834	7Q9	O31-C31-C32	2.55	119.92	111.91	5	20
6	E	808	17F	O7-C7-C8	2.55	119.92	111.91	2	20
5	A	206	7Q9	O31-C31-C32	2.55	119.91	111.91	11	20
6	E	802	17F	O7-C7-C8	2.55	119.91	111.91	14	20
5	B	205	7Q9	O31-C31-C32	2.55	119.91	111.91	1	20
5	D	544	7Q9	O31-C31-C32	2.55	119.90	111.91	4	20
5	D	554	7Q9	O31-C31-C32	2.55	119.90	111.91	14	20
5	E	828	7Q9	O31-C31-C32	2.55	119.90	111.91	2	20
5	D	551	7Q9	O31-C31-C32	2.54	119.89	111.91	14	20
5	A	211	7Q9	O31-C31-C32	2.54	119.88	111.91	15	20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
5	B	209	7Q9	O31-C31-C32	2.54	119.87	111.91	15	20
5	D	513	7Q9	O31-C31-C32	2.54	119.88	111.91	9	20
6	A	208	17F	O7-C7-C8	2.54	119.87	111.91	9	20
5	A	216	7Q9	C3-O31-C31	2.53	107.74	117.12	6	5
5	E	843	7Q9	O31-C31-C32	2.53	119.86	111.91	1	20
5	E	878	7Q9	O31-C31-C32	2.53	119.86	111.91	11	20
6	E	875	17F	O7-C7-C8	2.53	119.85	111.91	6	20
6	D	540	17F	O7-C7-C8	2.53	119.84	111.91	4	20
5	E	854	7Q9	O31-C31-C32	2.52	119.83	111.91	3	20
5	E	863	7Q9	O31-C31-C32	2.53	119.83	111.91	17	20
5	E	840	7Q9	O31-C31-C32	2.52	119.82	111.91	4	20
5	D	514	7Q9	O31-C31-C32	2.52	119.82	111.91	20	20
5	D	530	7Q9	O31-C31-C32	2.52	119.80	111.91	19	20
5	A	205	7Q9	O31-C31-C32	2.51	119.80	111.91	19	20
5	D	535	7Q9	O31-C31-C32	2.51	119.80	111.91	9	20
5	D	545	7Q9	O31-C31-C32	2.52	119.80	111.91	20	20
5	E	824	7Q9	O31-C31-C32	2.51	119.80	111.91	2	20
5	E	835	7Q9	O31-C31-C32	2.51	119.79	111.91	8	20
5	E	869	7Q9	O31-C31-C32	2.51	119.79	111.91	17	20
3	A	201	GSP	C4-C5-N7	2.51	106.78	109.40	7	15
5	D	522	7Q9	O31-C31-C32	2.51	119.78	111.91	3	20
5	E	823	7Q9	O31-C31-C32	2.51	119.78	111.91	15	20
5	E	848	7Q9	O31-C31-C32	2.51	119.79	111.91	7	20
5	E	862	7Q9	O31-C31-C32	2.51	119.78	111.91	12	20
5	D	543	7Q9	O31-C31-C32	2.51	119.78	111.91	16	20
6	D	519	17F	O7-C7-C8	2.51	119.77	111.91	14	20
5	D	506	7Q9	O31-C31-C32	2.50	119.76	111.91	6	20
5	E	805	7Q9	O31-C31-C32	2.50	119.76	111.91	13	20
5	E	832	7Q9	O31-C31-C32	2.50	119.76	111.91	7	20
5	D	536	7Q9	O31-C31-C32	2.50	119.75	111.91	11	20
5	E	849	7Q9	O31-C31-C32	2.50	119.75	111.91	20	20
5	E	868	7Q9	O31-C31-C32	2.50	119.75	111.91	9	20
5	B	204	7Q9	O31-C31-C32	2.50	119.74	111.91	1	20
5	D	515	7Q9	O31-C31-C32	2.50	119.74	111.91	18	20
5	D	556	7Q9	O31-C31-C32	2.50	119.74	111.91	12	20
5	D	516	7Q9	O31-C31-C32	2.49	119.74	111.91	10	20
5	E	826	7Q9	O31-C31-C32	2.50	119.74	111.91	10	20
5	E	861	7Q9	O31-C31-C32	2.49	119.74	111.91	14	20
5	A	203	7Q9	O31-C31-C32	2.49	119.72	111.91	20	20
5	D	504	7Q9	O31-C31-C32	2.49	119.73	111.91	2	20
5	B	207	7Q9	O31-C31-C32	2.49	119.72	111.91	16	20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
5	E	833	7Q9	O31-C31-C32	2.49	119.71	111.91	14	20
5	E	865	7Q9	O31-C31-C32	2.49	119.71	111.91	9	20
6	B	208	17F	O7-C7-C8	2.49	119.71	111.91	2	20
5	E	874	7Q9	O31-C31-C32	2.48	119.70	111.91	20	20
6	D	533	17F	O7-C7-C8	2.49	119.71	111.91	14	20
5	A	215	7Q9	O31-C31-C32	2.48	119.70	111.91	16	20
5	D	523	7Q9	O31-C31-C32	2.48	119.70	111.91	3	20
5	D	555	7Q9	O31-C31-C32	2.48	119.70	111.91	9	20
5	D	509	7Q9	C3-O31-C31	2.48	107.94	117.12	11	16
6	D	520	17F	O7-C7-C8	2.48	119.68	111.91	2	20
3	B	201	GSP	C3'-C2'-C1'	2.47	97.25	100.98	1	18
6	E	810	17F	C6-O7-C7	2.47	107.96	117.12	1	19
5	B	206	7Q9	O31-C31-C32	2.47	119.67	111.91	11	20
5	E	813	7Q9	C3-O31-C31	2.47	107.97	117.12	19	20
6	E	819	17F	O7-C7-C8	2.47	119.66	111.91	15	20
5	E	877	7Q9	O31-C31-C32	2.47	119.65	111.91	13	20
6	E	818	17F	O7-C7-C8	2.47	119.65	111.91	15	20
6	E	829	17F	O7-C7-C8	2.47	119.65	111.91	1	20
5	A	207	7Q9	O31-C31-C32	2.46	119.64	111.91	3	20
5	D	502	7Q9	O31-C31-C32	2.46	119.64	111.91	11	20
5	E	872	7Q9	O31-C31-C32	2.46	119.64	111.91	14	20
5	E	841	7Q9	O31-C31-C32	2.46	119.63	111.91	13	20
5	D	550	7Q9	O31-C31-C32	2.46	119.62	111.91	6	20
5	E	830	7Q9	O31-C31-C32	2.46	119.62	111.91	8	20
5	E	814	7Q9	O31-C31-C32	2.45	119.61	111.91	13	20
5	D	508	7Q9	O31-C31-C32	2.45	119.60	111.91	13	20
5	B	210	7Q9	O31-C31-C32	2.44	119.58	111.91	11	20
5	E	803	7Q9	O31-C31-C32	2.44	119.58	111.91	11	20
5	E	807	7Q9	C3-O31-C31	2.44	108.08	117.12	7	19
5	E	831	7Q9	O31-C31-C32	2.44	119.57	111.91	7	20
6	D	517	17F	O7-C7-C8	2.44	119.57	111.91	12	19
6	E	871	17F	O7-C7-C8	2.44	119.57	111.91	3	20
5	D	507	7Q9	O31-C31-C32	2.44	119.56	111.91	12	20
5	D	521	7Q9	O31-C31-C32	2.44	119.57	111.91	13	20
5	E	850	7Q9	O31-C31-C32	2.44	119.55	111.91	18	20
5	D	529	7Q9	O31-C31-C32	2.43	119.53	111.91	17	20
5	E	859	7Q9	O31-C31-C32	2.43	119.53	111.91	3	20
5	D	549	7Q9	C3-O31-C31	2.43	108.13	117.12	12	14
5	E	867	7Q9	O31-C31-C32	2.43	119.53	111.91	15	20
6	E	820	17F	O7-C7-C8	2.43	119.52	111.91	2	20
6	D	518	17F	C6-O7-C7	2.42	108.15	117.12	6	16

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
6	E	856	17F	O7-C7-C8	2.42	119.52	111.91	6	20
5	D	541	7Q9	O31-C31-C32	2.42	119.50	111.91	10	20
5	B	203	7Q9	O31-C31-C32	2.42	119.49	111.91	18	20
5	E	866	7Q9	O31-C31-C32	2.41	119.49	111.91	19	20
5	E	804	7Q9	O31-C31-C32	2.41	119.48	111.91	11	20
5	D	503	7Q9	C3-O31-C31	2.41	108.19	117.12	10	6
6	E	839	17F	C6-O7-C7	2.41	108.20	117.12	15	20
5	A	209	7Q9	O31-C31-C32	2.41	119.47	111.91	5	20
5	E	876	7Q9	O31-C31-C32	2.41	119.46	111.91	20	20
5	A	212	7Q9	C3-O31-C31	2.40	108.24	117.12	2	7
5	D	505	7Q9	C3-O31-C31	2.40	108.24	117.12	18	6
5	D	531	7Q9	O31-C31-C32	2.40	119.43	111.91	8	20
5	D	542	7Q9	O31-C31-C32	2.40	119.43	111.91	13	20
5	E	858	7Q9	O31-C31-C32	2.40	119.42	111.91	1	20
5	D	512	7Q9	O31-C31-C32	2.39	119.42	111.91	15	20
5	D	526	7Q9	C3-O31-C31	2.39	108.27	117.12	17	19
5	E	825	7Q9	O31-C31-C32	2.39	119.40	111.91	11	20
5	D	538	7Q9	O31-C31-C32	2.39	119.40	111.91	20	20
5	D	528	7Q9	C3-O31-C31	2.39	108.29	117.12	6	20
5	D	547	7Q9	O31-C31-C32	2.39	119.39	111.91	10	20
6	E	842	17F	O7-C7-C8	2.39	119.40	111.91	9	20
6	D	539	17F	O7-C7-C8	2.38	119.37	111.91	9	20
5	A	204	7Q9	O31-C31-C32	2.37	119.36	111.91	10	20
5	E	853	7Q9	C3-O31-C31	2.38	108.33	117.12	16	15
5	E	809	7Q9	O31-C31-C32	2.36	119.32	111.91	20	18
6	E	812	17F	C6-O7-C7	2.36	108.38	117.12	16	4
6	E	806	17F	O7-C7-C8	2.35	119.29	111.91	17	20
5	E	836	7Q9	O31-C31-C32	2.35	119.29	111.91	17	20
5	A	210	7Q9	C3-O31-C31	2.34	108.45	117.12	6	17
5	E	822	7Q9	C3-O31-C31	2.34	108.45	117.12	10	17
5	E	827	7Q9	O31-C31-C32	2.34	119.26	111.91	4	20
5	E	816	7Q9	C3-O31-C31	2.34	108.47	117.12	12	2
5	E	855	7Q9	O31-C31-C32	2.33	119.21	111.91	10	20
5	E	852	7Q9	O31-C31-C32	2.33	119.20	111.91	17	19
5	D	548	7Q9	C3-O31-C31	2.32	108.54	117.12	20	16
5	E	838	7Q9	C3-O31-C31	2.32	108.54	117.12	13	14
3	B	201	GSP	C6-N1-C2	2.31	119.60	115.93	20	18
6	A	220	17F	C6-O7-C7	2.31	108.58	117.12	16	9
5	D	550	7Q9	C3-C2-C1	2.30	106.35	111.79	19	3
5	D	537	7Q9	C3-O31-C31	2.29	108.63	117.12	3	15
5	D	551	7Q9	C3-O31-C31	2.29	108.65	117.12	14	16

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
5	E	870	7Q9	C3-O31-C31	2.28	108.67	117.12	6	16
6	A	219	17F	C6-O7-C7	2.28	108.68	117.12	6	8
3	A	201	GSP	C6-N1-C2	2.28	119.55	115.93	15	15
5	E	864	7Q9	C3-O31-C31	2.27	108.70	117.12	8	10
5	E	830	7Q9	C3-C2-C1	2.27	106.42	111.79	12	2
5	B	205	7Q9	C3-O31-C31	2.26	108.74	117.12	1	5
5	D	513	7Q9	C3-O31-C31	2.26	108.75	117.12	9	8
6	D	510	17F	C6-O7-C7	2.26	108.75	117.12	6	2
6	D	534	17F	C6-O7-C7	2.26	108.75	117.12	9	18
5	E	832	7Q9	C3-O31-C31	2.25	108.77	117.12	7	10
5	E	834	7Q9	C3-O31-C31	2.25	108.78	117.12	5	9
5	E	843	7Q9	C3-O31-C31	2.25	108.78	117.12	1	4
5	D	546	7Q9	C3-O31-C31	2.23	108.84	117.12	14	11
5	A	218	7Q9	C3-O31-C31	2.23	108.85	117.12	7	5
5	E	817	7Q9	C3-O31-C31	2.23	108.88	117.12	12	1
5	E	847	7Q9	C3-O31-C31	2.22	108.90	117.12	14	10
5	B	206	7Q9	C3-O31-C31	2.21	108.93	117.12	9	5
5	D	524	7Q9	C3-O31-C31	2.21	108.94	117.12	2	2
6	D	533	17F	C6-O7-C7	2.21	108.95	117.12	19	10
5	D	535	7Q9	C3-O31-C31	2.19	109.01	117.12	19	6
3	B	201	GSP	C4-C5-N7	2.19	107.12	109.40	19	8
5	E	860	7Q9	C3-O31-C31	2.19	109.01	117.12	3	1
6	D	552	17F	C6-O7-C7	2.19	109.03	117.12	5	16
5	D	544	7Q9	C3-O31-C31	2.18	109.06	117.12	4	1
5	E	851	7Q9	C3-O31-C31	2.18	109.06	117.12	15	11
6	D	519	17F	C6-O7-C7	2.17	109.08	117.12	7	2
5	E	862	7Q9	C3-O31-C31	2.17	109.08	117.12	10	6
5	D	501	7Q9	C3-O31-C31	2.17	109.09	117.12	5	4
5	E	837	7Q9	C3-O31-C31	2.17	109.09	117.12	13	11
6	E	875	17F	C6-O7-C7	2.17	109.09	117.12	20	8
5	E	804	7Q9	C3-C2-C1	2.17	106.66	111.79	5	1
5	E	821	7Q9	C3-O31-C31	2.17	109.09	117.12	18	7
6	D	511	17F	C6-O7-C7	2.16	109.13	117.12	17	7
6	E	873	17F	C6-O7-C7	2.16	109.12	117.12	5	5
5	D	516	7Q9	C3-O31-C31	2.16	109.13	117.12	12	3
5	B	204	7Q9	C3-O31-C31	2.15	109.14	117.12	1	5
5	D	536	7Q9	C3-O31-C31	2.15	109.14	117.12	11	1
5	E	823	7Q9	C3-O31-C31	2.15	109.15	117.12	15	5
5	D	502	7Q9	C3-O31-C31	2.15	109.16	117.12	5	10
5	A	215	7Q9	C3-O31-C31	2.15	109.16	117.12	16	4
5	D	545	7Q9	C3-O31-C31	2.15	109.16	117.12	3	2

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
6	E	808	17F	C6-O7-C7	2.15	109.17	117.12	8	8
5	D	507	7Q9	C3-O31-C31	2.15	109.17	117.12	12	1
5	D	554	7Q9	C3-O31-C31	2.14	109.19	117.12	14	2
5	D	514	7Q9	C3-O31-C31	2.14	109.20	117.12	14	5
5	E	878	7Q9	C3-O31-C31	2.14	109.20	117.12	11	4
5	E	825	7Q9	C3-O31-C31	2.13	109.22	117.12	13	1
5	E	877	7Q9	C3-O31-C31	2.13	109.23	117.12	17	5
6	E	857	17F	C6-O7-C7	2.13	109.23	117.12	9	3
5	E	814	7Q9	C3-O31-C31	2.13	109.24	117.12	13	2
5	E	866	7Q9	C3-O31-C31	2.12	109.25	117.12	19	1
5	A	211	7Q9	C3-O31-C31	2.12	109.27	117.12	2	7
5	D	506	7Q9	C3-C2-C1	2.12	106.78	111.79	3	2
5	A	207	7Q9	C3-O31-C31	2.12	109.28	117.12	20	4
5	D	553	7Q9	C3-C2-C1	2.11	106.79	111.79	17	1
5	E	805	7Q9	C3-O31-C31	2.11	109.29	117.12	6	12
5	E	846	7Q9	C3-O31-C31	2.11	109.29	117.12	5	9
5	A	204	7Q9	C3-C2-C1	2.11	106.80	111.79	1	1
5	D	522	7Q9	C3-O31-C31	2.11	109.31	117.12	3	6
5	A	205	7Q9	C3-O31-C31	2.11	109.31	117.12	11	2
5	D	504	7Q9	C3-O31-C31	2.11	109.32	117.12	5	2
5	E	811	7Q9	C3-O31-C31	2.11	109.32	117.12	18	4
6	E	829	17F	C6-O7-C7	2.11	109.32	117.12	16	5
5	B	210	7Q9	C3-O31-C31	2.10	109.35	117.12	18	7
5	D	553	7Q9	C3-O31-C31	2.10	109.36	117.12	7	8
5	E	863	7Q9	C3-O31-C31	2.10	109.36	117.12	17	2
5	E	844	7Q9	C3-O31-C31	2.08	109.41	117.12	20	6
6	E	842	17F	C6-C5-C4	2.08	106.86	111.79	5	1
5	D	556	7Q9	C3-O31-C31	2.08	109.42	117.12	5	12
5	E	869	7Q9	C3-O31-C31	2.08	109.42	117.12	14	8
5	D	525	7Q9	C3-O31-C31	2.08	109.44	117.12	19	5
5	E	840	7Q9	C3-O31-C31	2.08	109.43	117.12	3	2
5	B	209	7Q9	C3-O31-C31	2.07	109.45	117.12	11	4
5	E	861	7Q9	C3-O31-C31	2.07	109.46	117.12	13	1
5	A	217	7Q9	C3-O31-C31	2.07	109.47	117.12	19	2
5	A	214	7Q9	C3-O31-C31	2.07	109.47	117.12	10	1
5	E	845	7Q9	C3-O31-C31	2.06	109.48	117.12	20	6
5	E	850	7Q9	C3-O31-C31	2.06	109.48	117.12	18	1
6	E	871	17F	C6-O7-C7	2.06	109.50	117.12	20	1
5	E	876	7Q9	C3-O31-C31	2.06	109.51	117.12	12	1
5	A	203	7Q9	C3-O31-C31	2.05	109.52	117.12	8	2
5	D	521	7Q9	C3-C2-C1	2.05	106.93	111.79	4	1

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
5	E	828	7Q9	C3-O31-C31	2.05	109.53	117.12	16	3
5	D	527	7Q9	C3-O31-C31	2.05	109.53	117.12	2	2
6	B	208	17F	C6-O7-C7	2.05	109.53	117.12	16	2
5	E	835	7Q9	C3-O31-C31	2.05	109.54	117.12	4	1
5	D	521	7Q9	C3-O31-C31	2.05	109.55	117.12	13	2
5	D	543	7Q9	C3-O31-C31	2.04	109.55	117.12	8	3
5	E	815	7Q9	C3-O31-C31	2.05	109.55	117.12	5	7
5	A	216	7Q9	C3-C2-C1	2.04	106.95	111.79	14	1
5	E	830	7Q9	C3-O31-C31	2.04	109.55	117.12	8	1
5	D	503	7Q9	C3-C2-C1	2.04	106.97	111.79	13	1
5	E	824	7Q9	C3-O31-C31	2.03	109.59	117.12	8	1
6	D	539	17F	C6-O7-C7	2.04	109.58	117.12	9	1
5	E	803	7Q9	C3-C2-C1	2.03	106.99	111.79	8	2
5	E	833	7Q9	C3-O31-C31	2.03	109.60	117.12	16	1
6	A	208	17F	C6-O7-C7	2.03	109.60	117.12	12	1
6	E	819	17F	C6-O7-C7	2.03	109.60	117.12	16	1
5	A	206	7Q9	C3-O31-C31	2.02	109.64	117.12	18	2
6	E	842	17F	C6-O7-C7	2.02	109.65	117.12	15	1
5	D	508	7Q9	C3-O31-C31	2.02	109.65	117.12	13	1
5	E	865	7Q9	C3-O31-C31	2.02	109.66	117.12	9	2
5	E	854	7Q9	C3-O31-C31	2.01	109.67	117.12	2	1
6	E	820	17F	C6-O7-C7	2.01	109.66	117.12	6	1
5	D	515	7Q9	C3-O31-C31	2.01	109.68	117.12	8	1
5	D	541	7Q9	C3-O31-C31	2.01	109.68	117.12	10	1
5	B	207	7Q9	C3-O31-C31	2.01	109.69	117.12	11	1
5	E	848	7Q9	C3-O31-C31	2.00	109.70	117.12	20	1
5	D	530	7Q9	C3-O31-C31	2.00	109.70	117.12	19	1

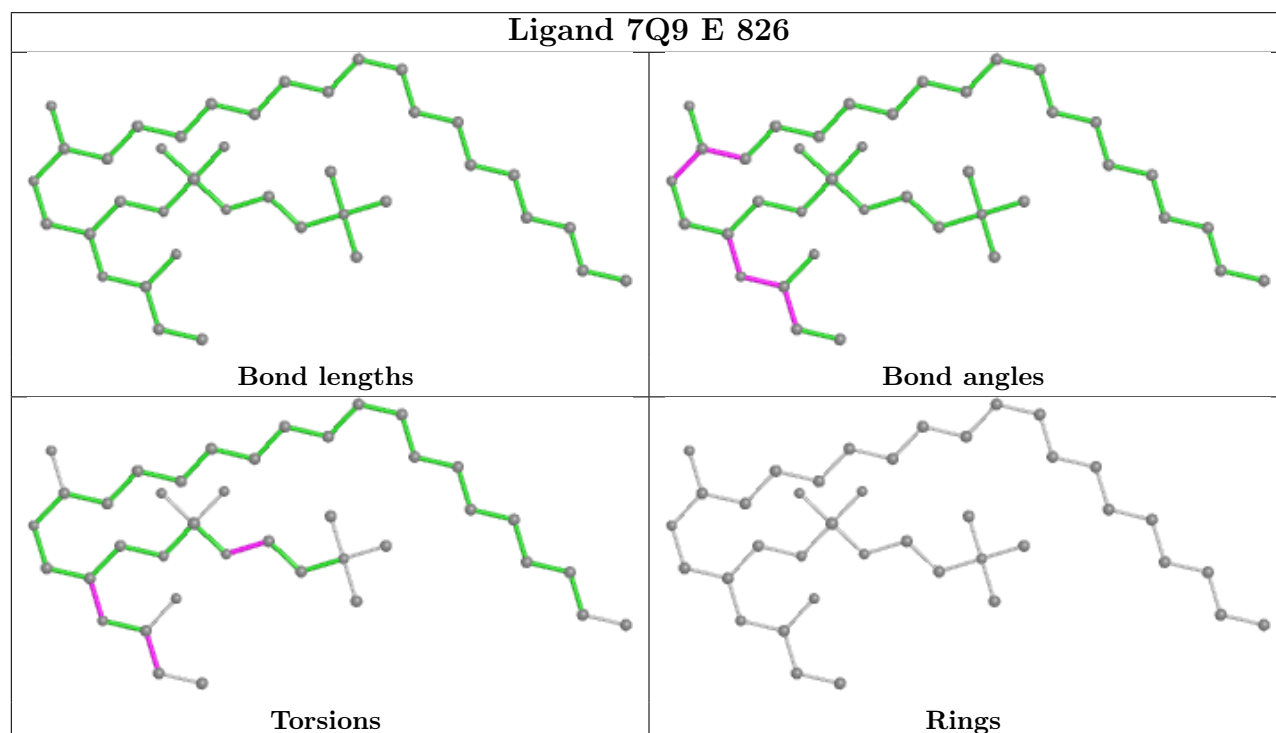
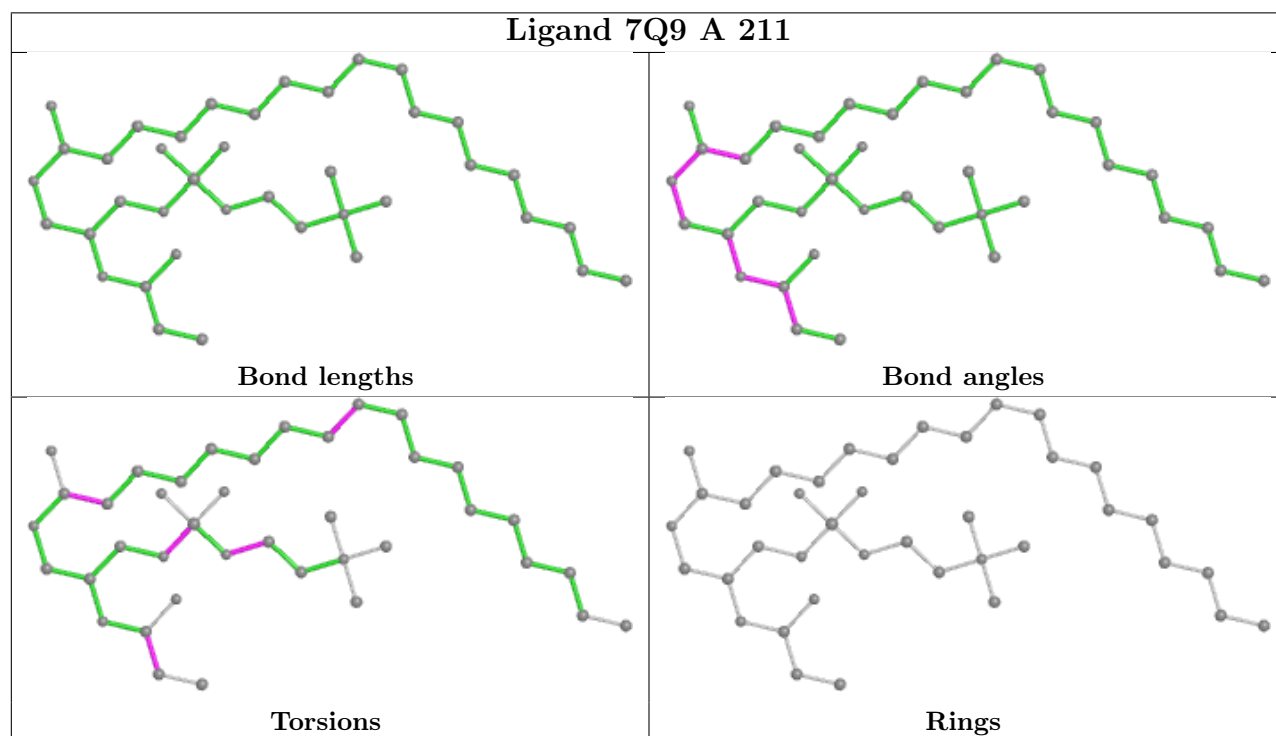
There are no chirality outliers.

There are no torsion outliers.

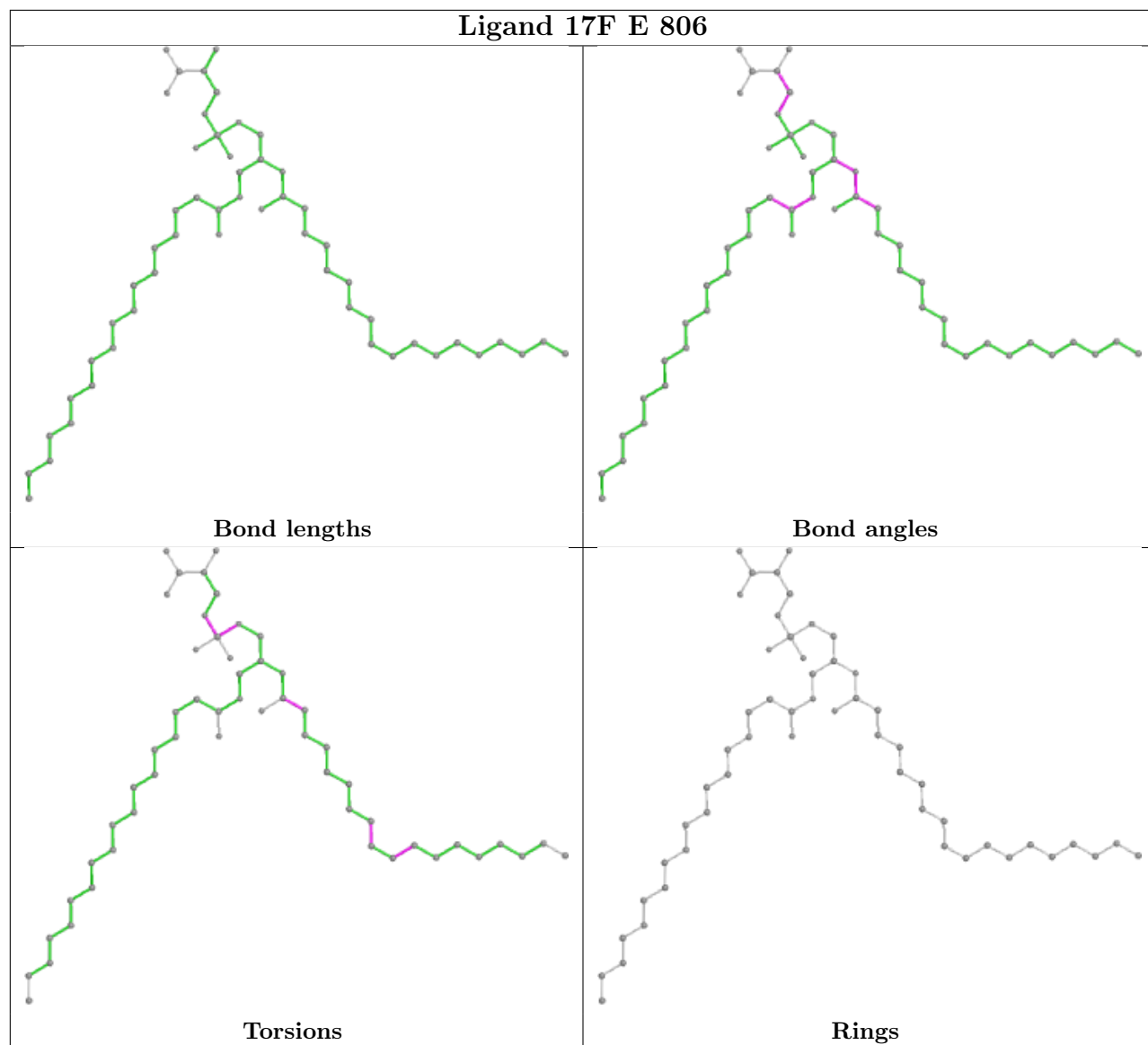
There are no ring outliers.

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 than 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.

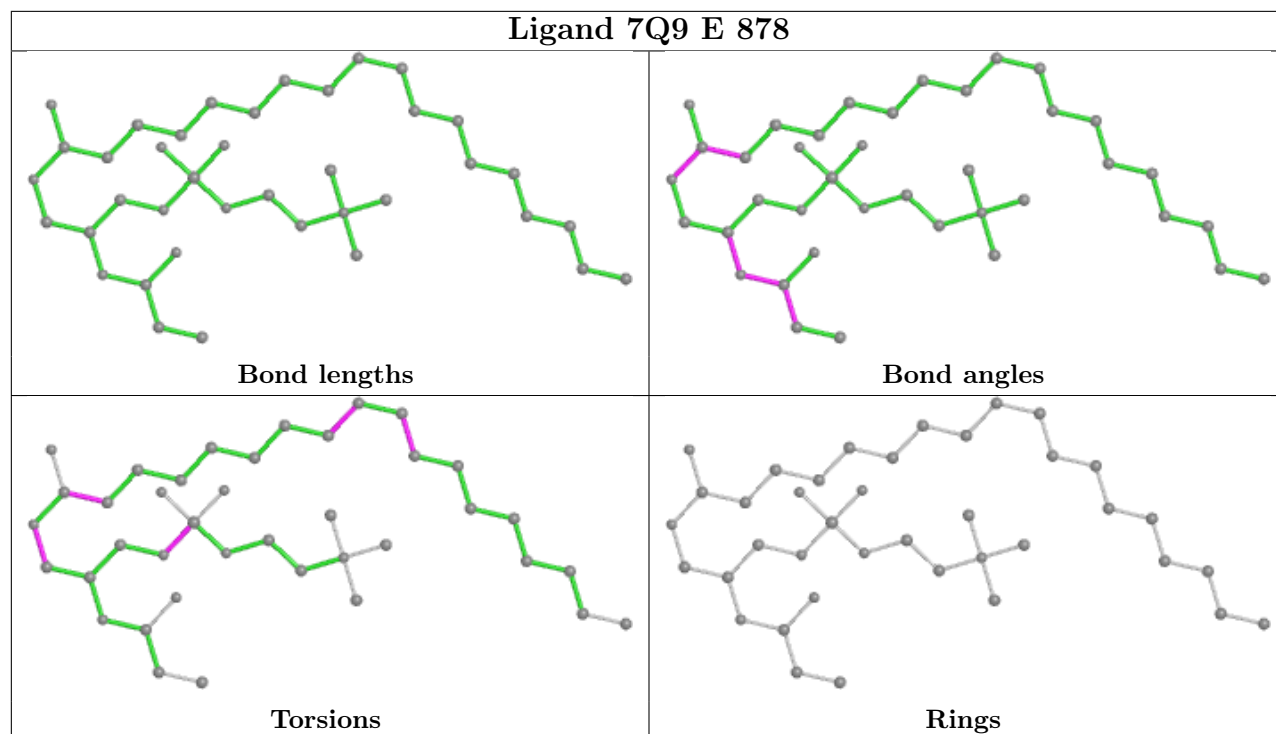
The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.



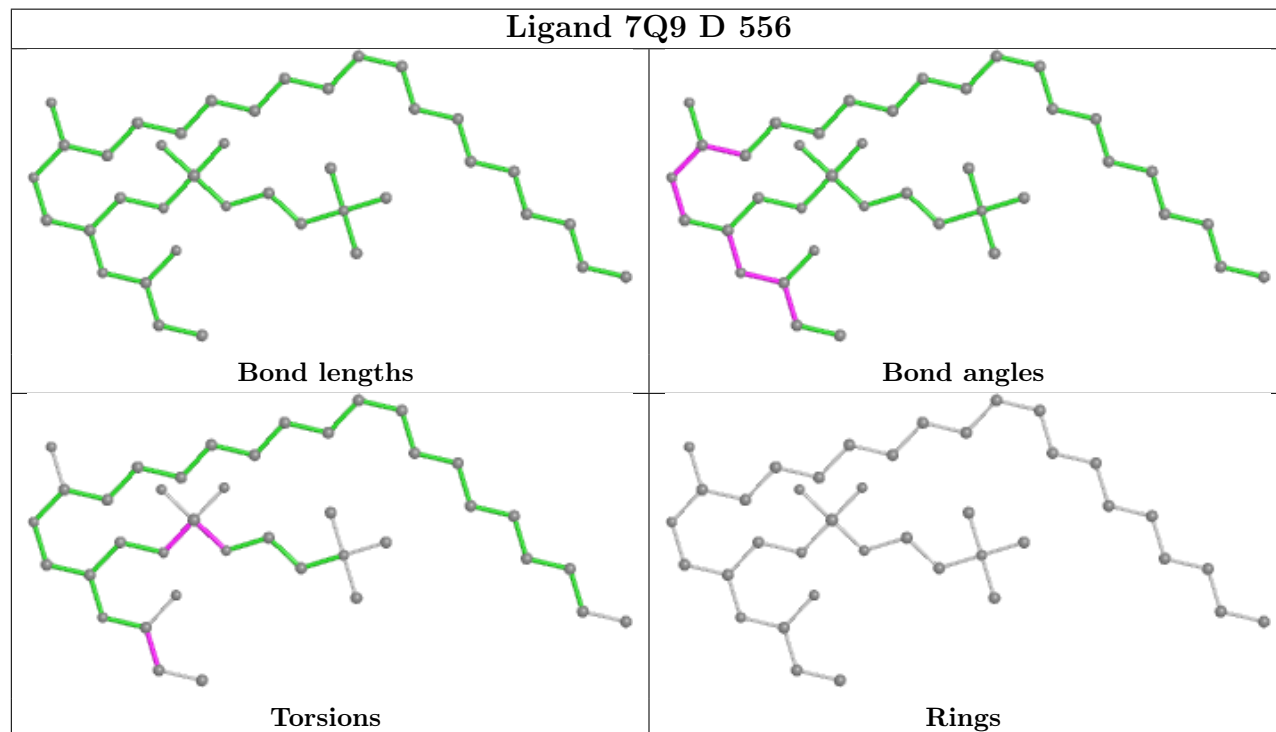
Ligand 17F E 806



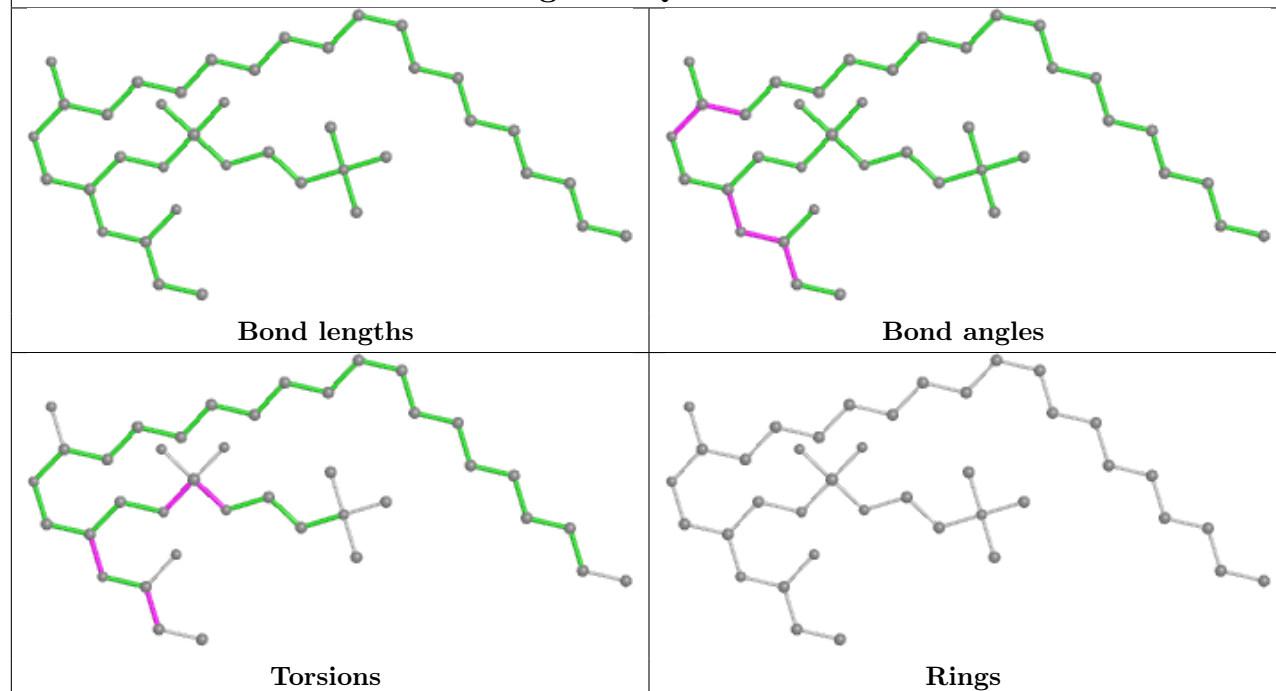
Ligand 7Q9 E 878



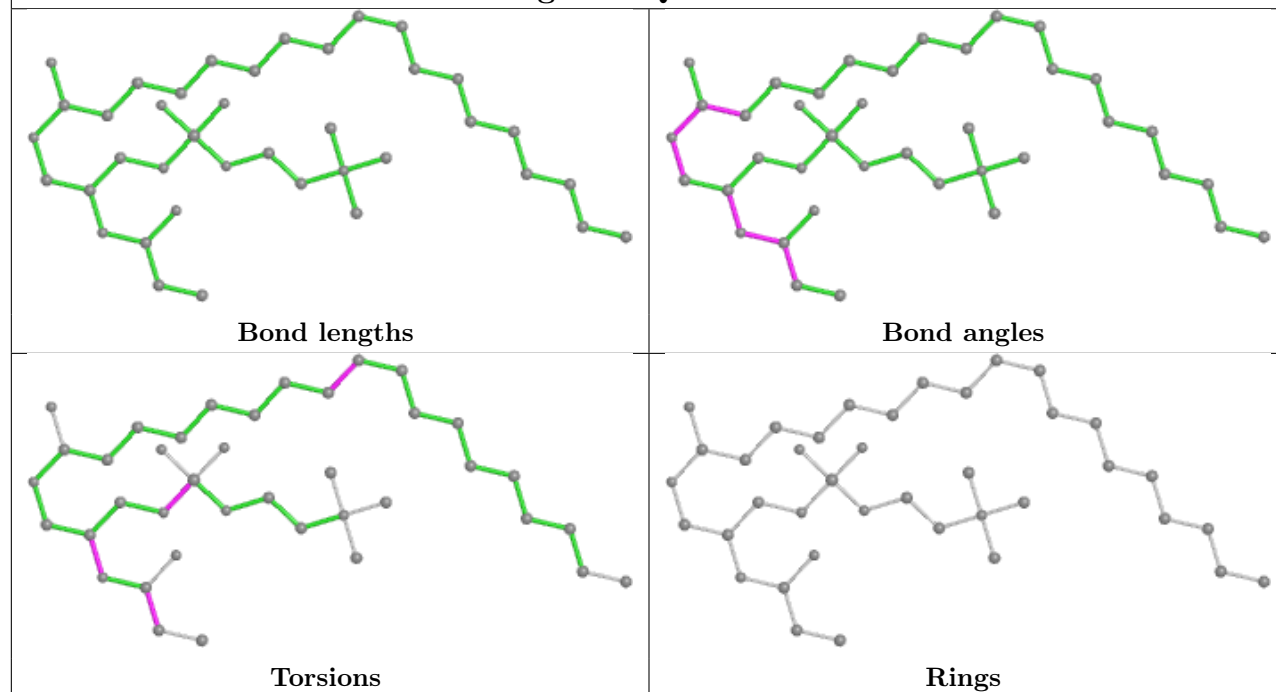
Ligand 7Q9 D 556

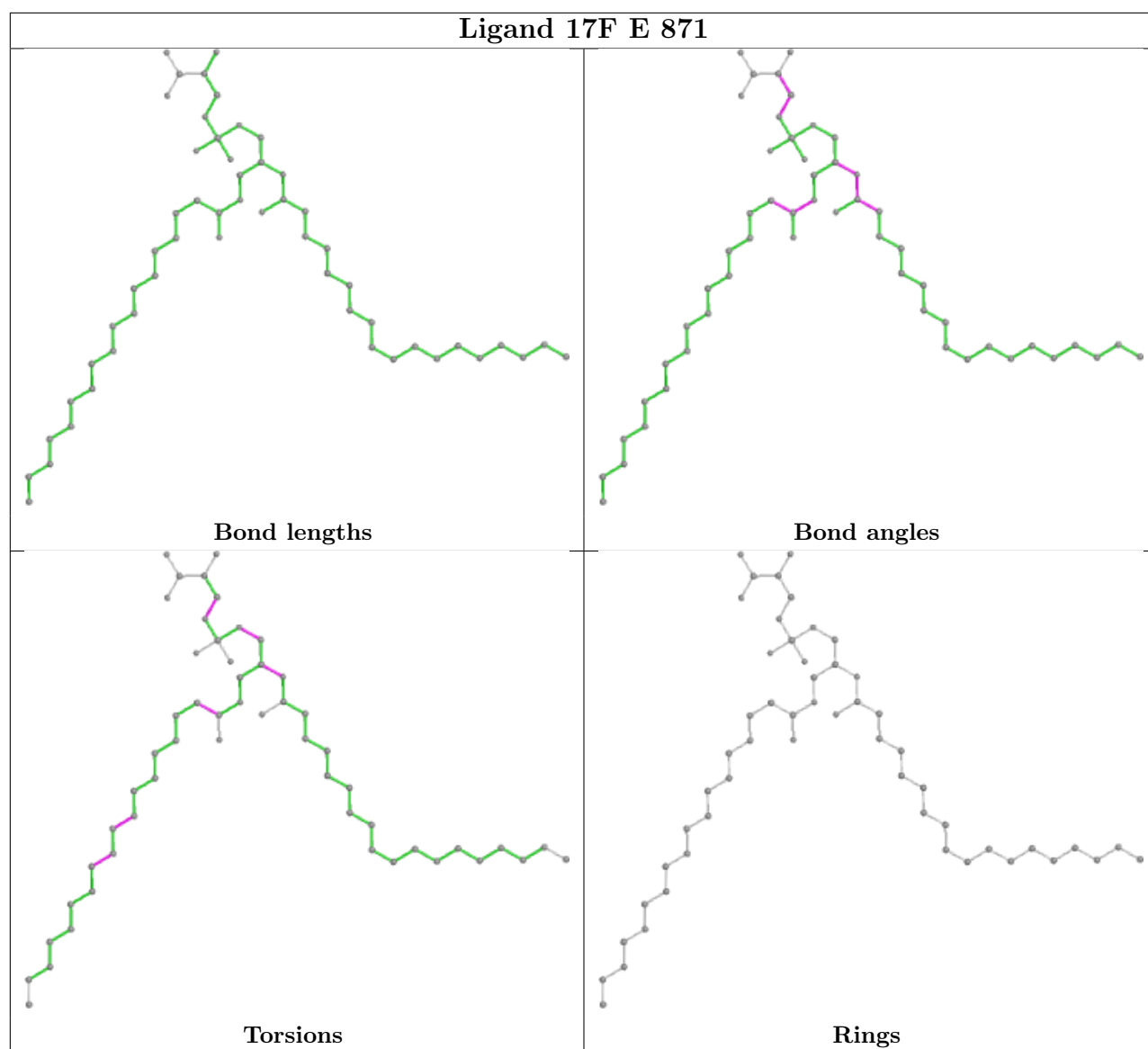


Ligand 7Q9 E 862

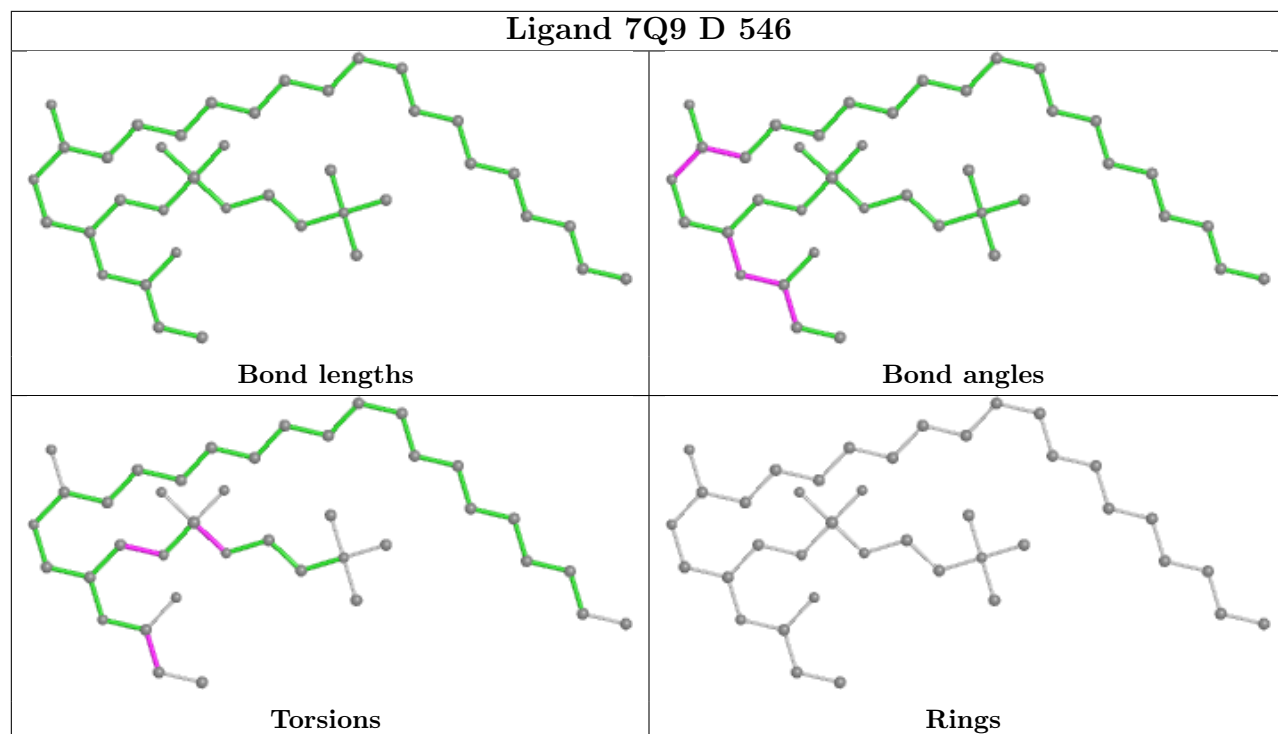


Ligand 7Q9 A 216

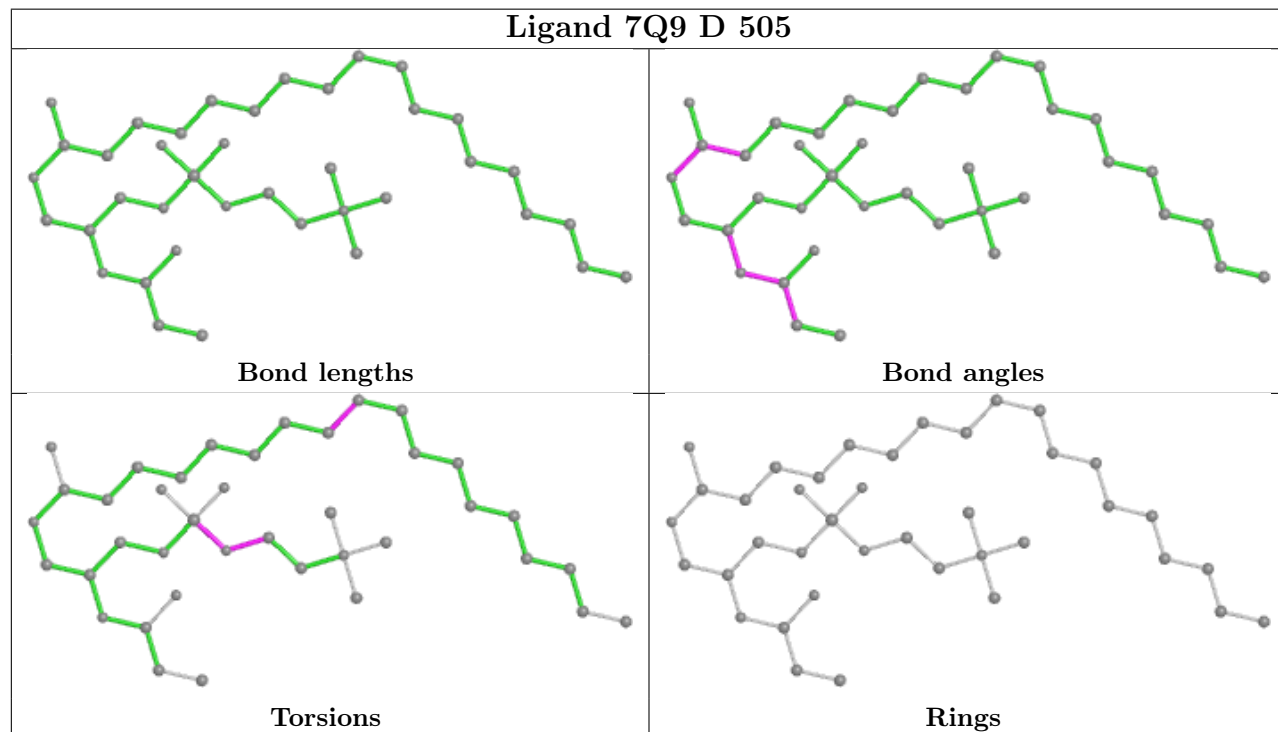


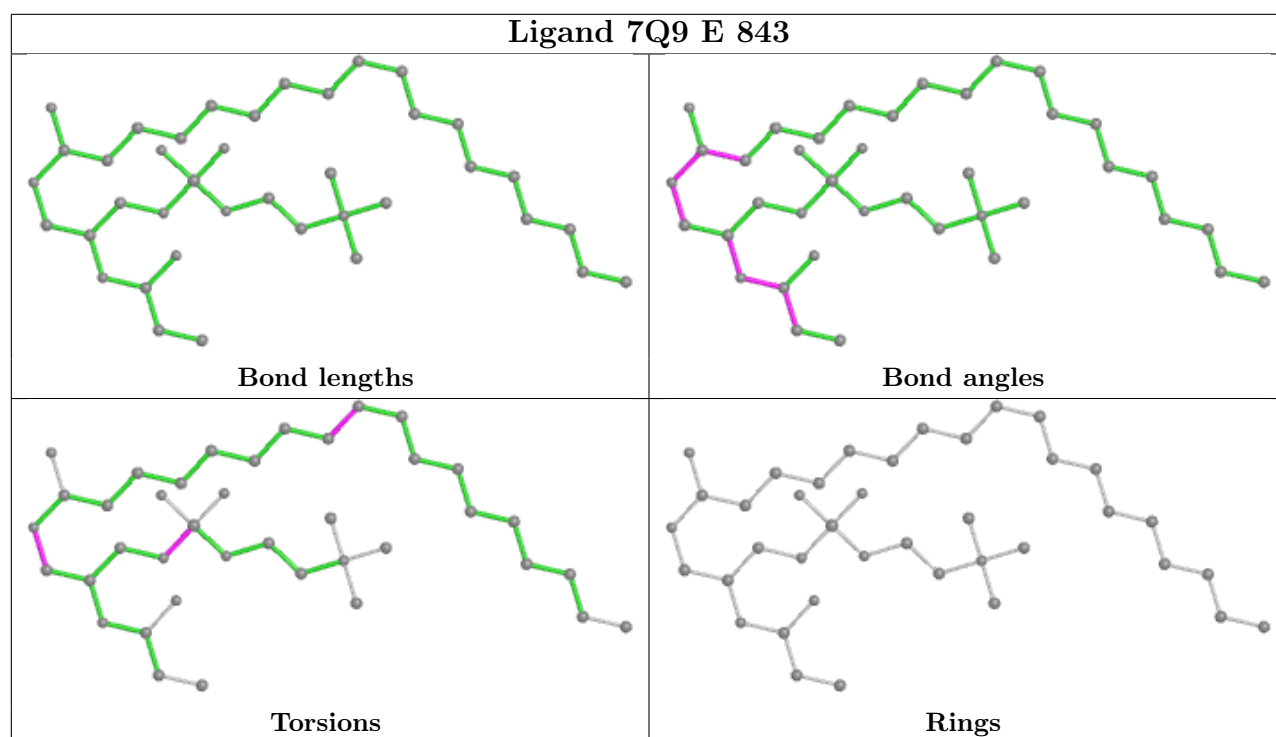


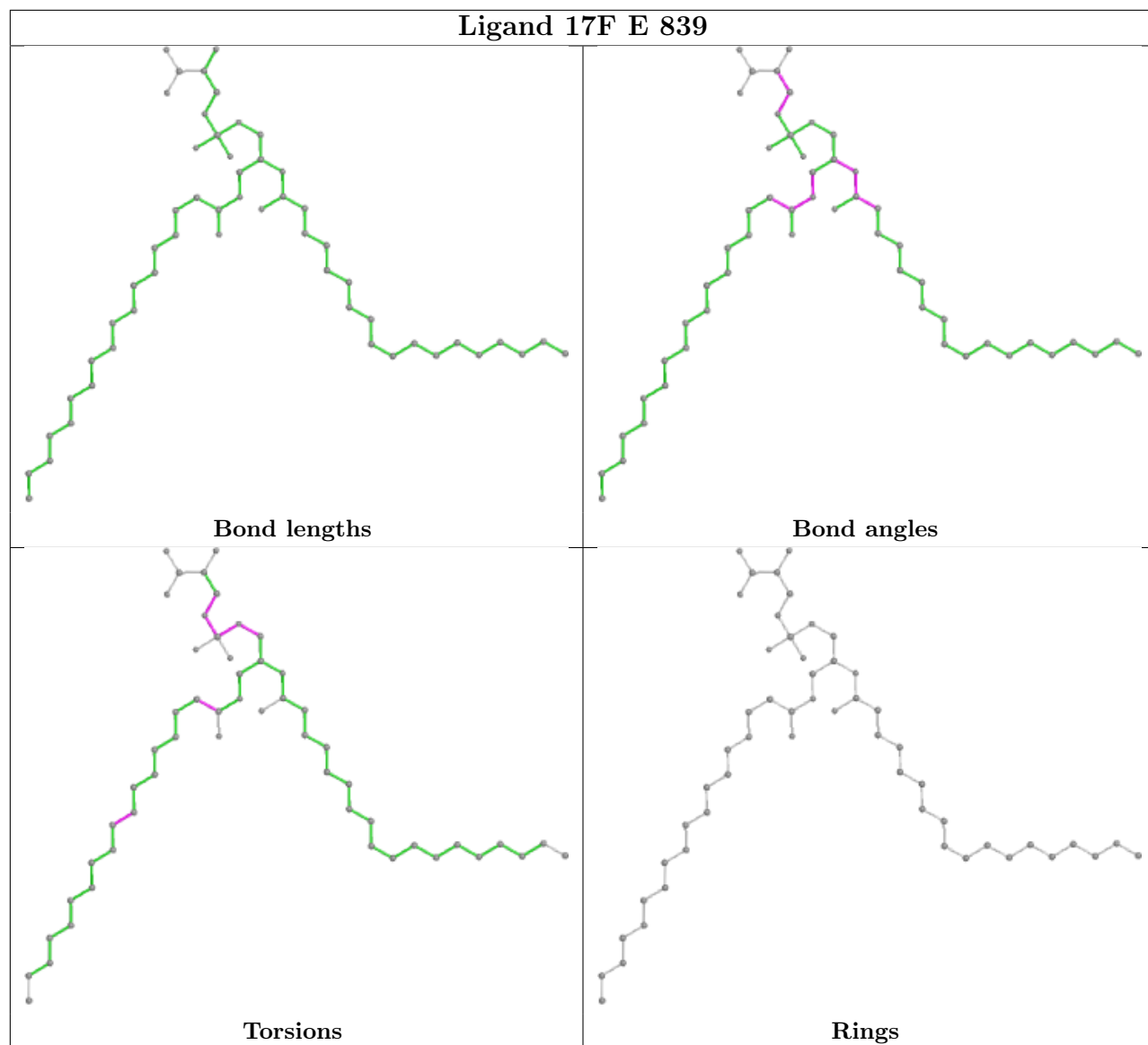
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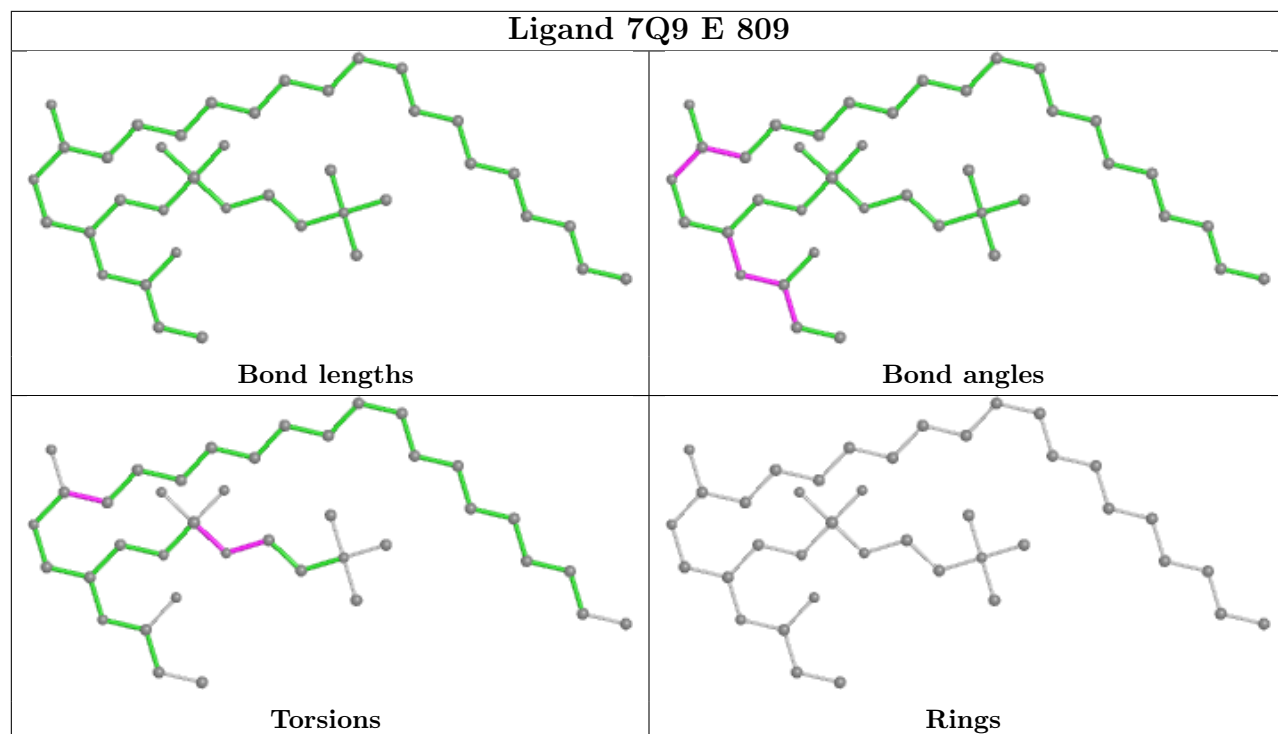
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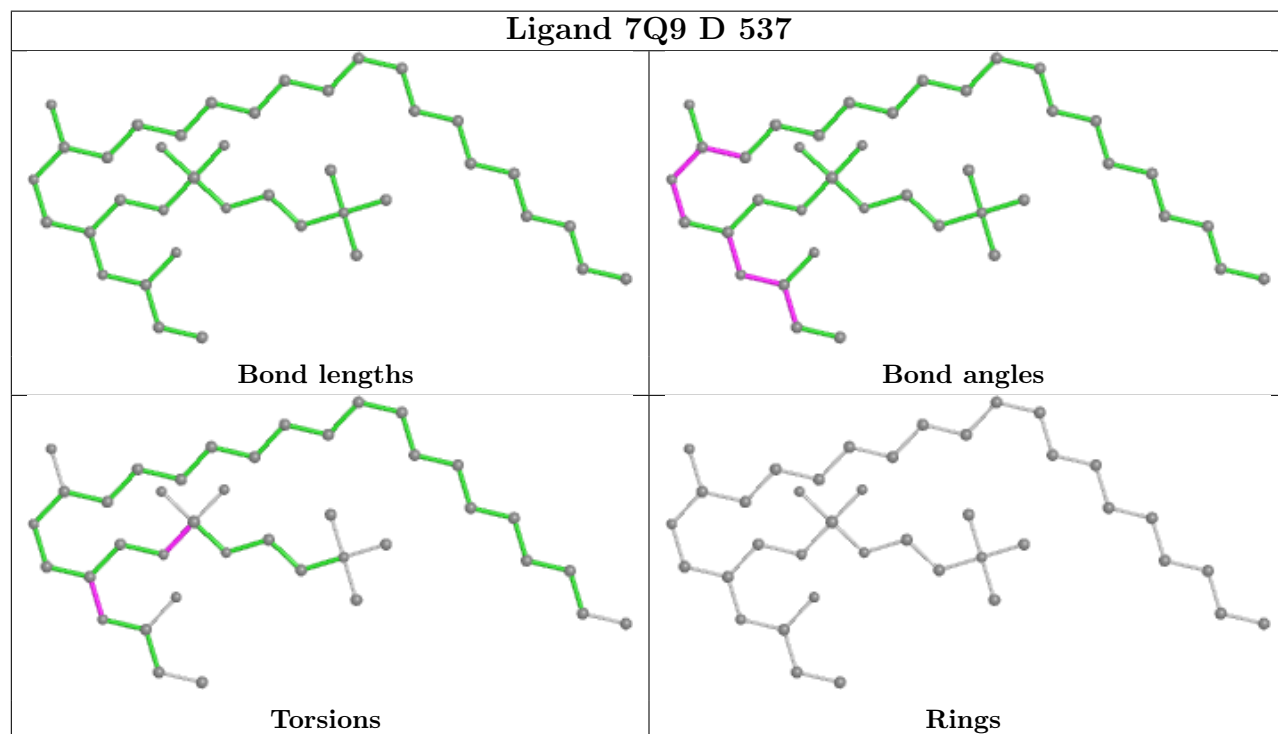




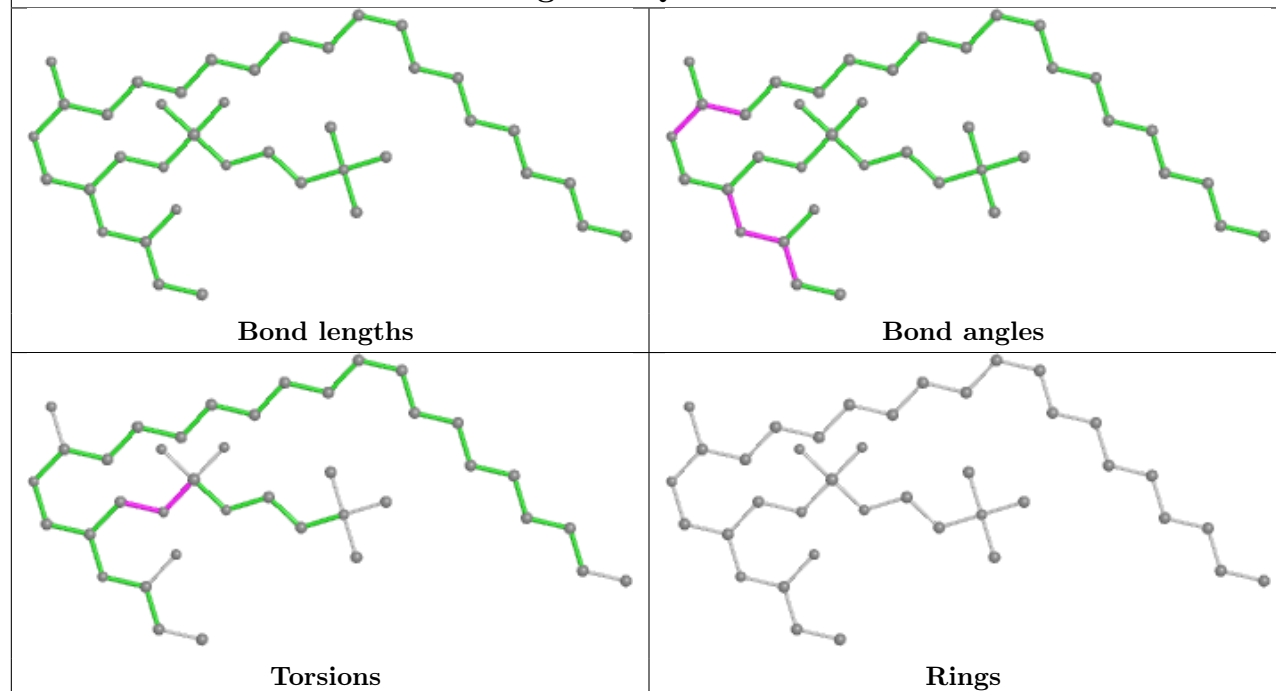
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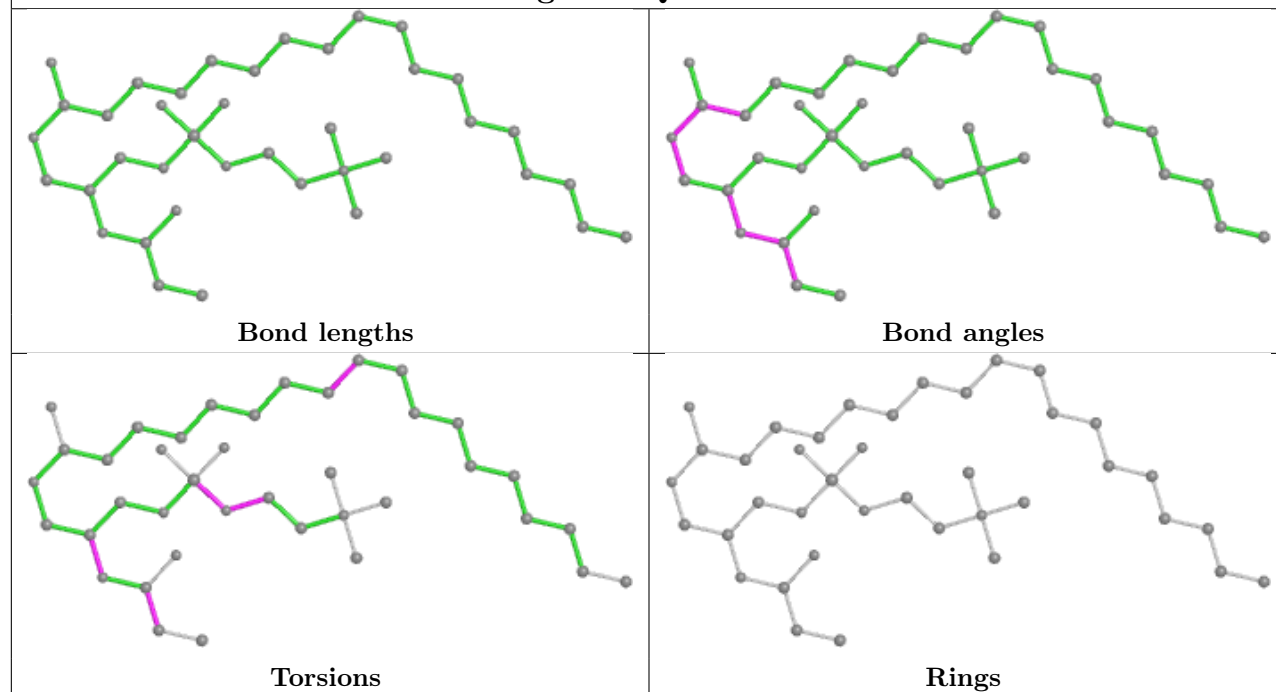
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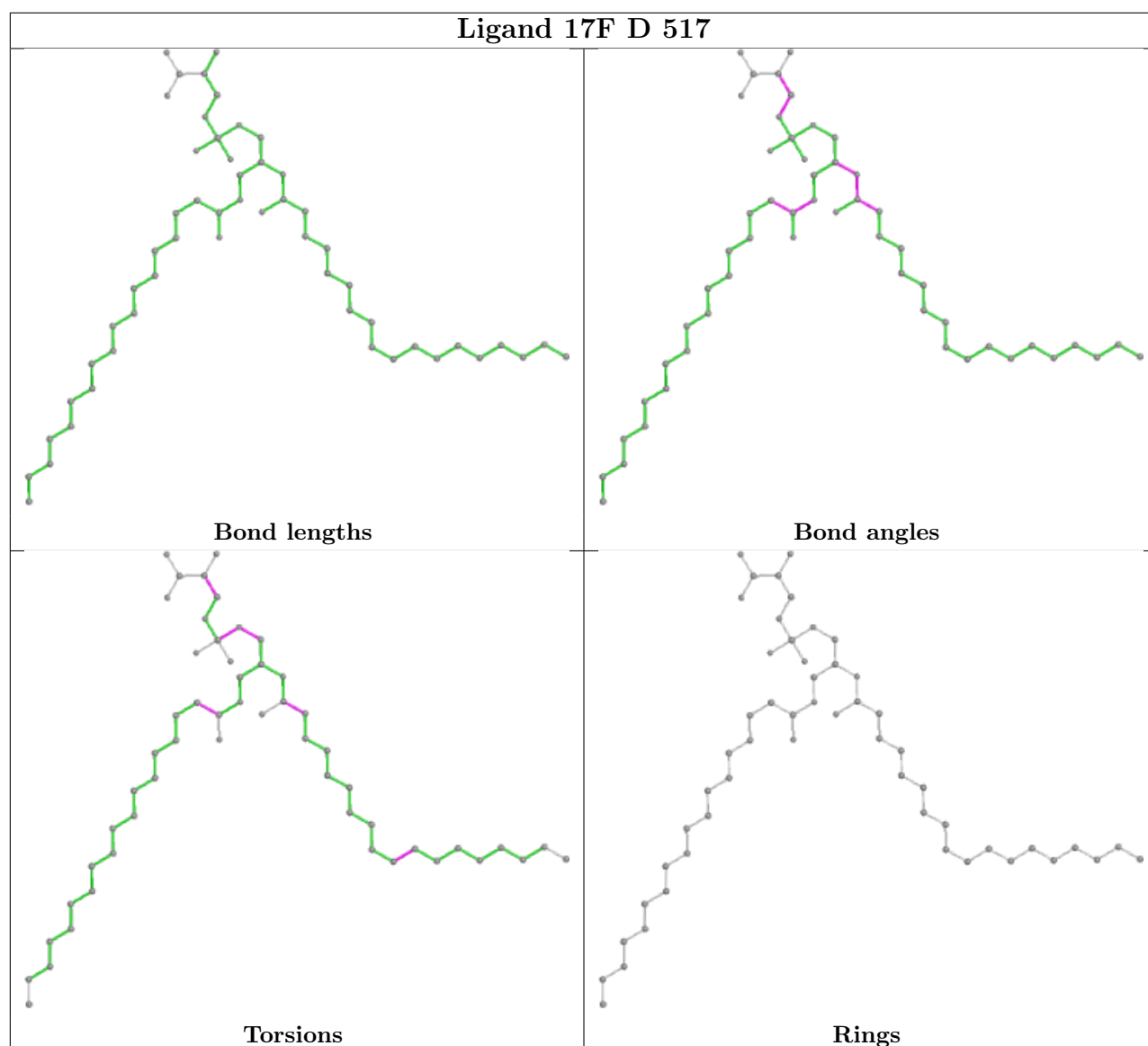


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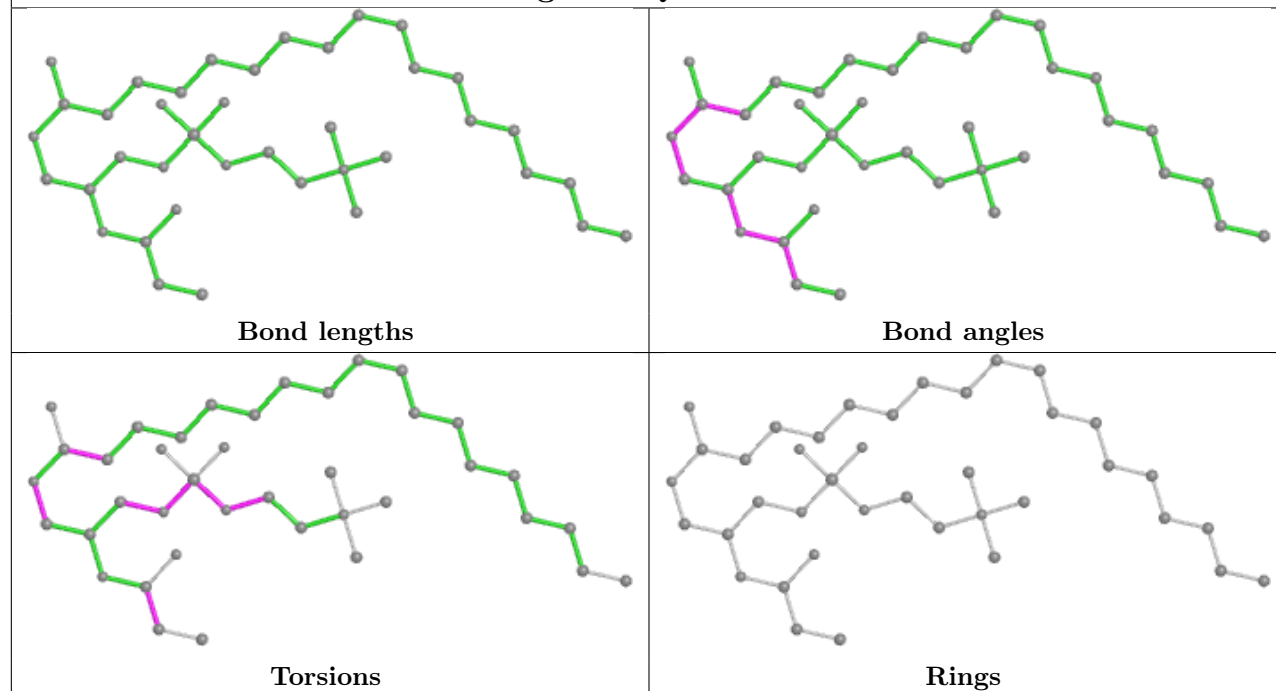


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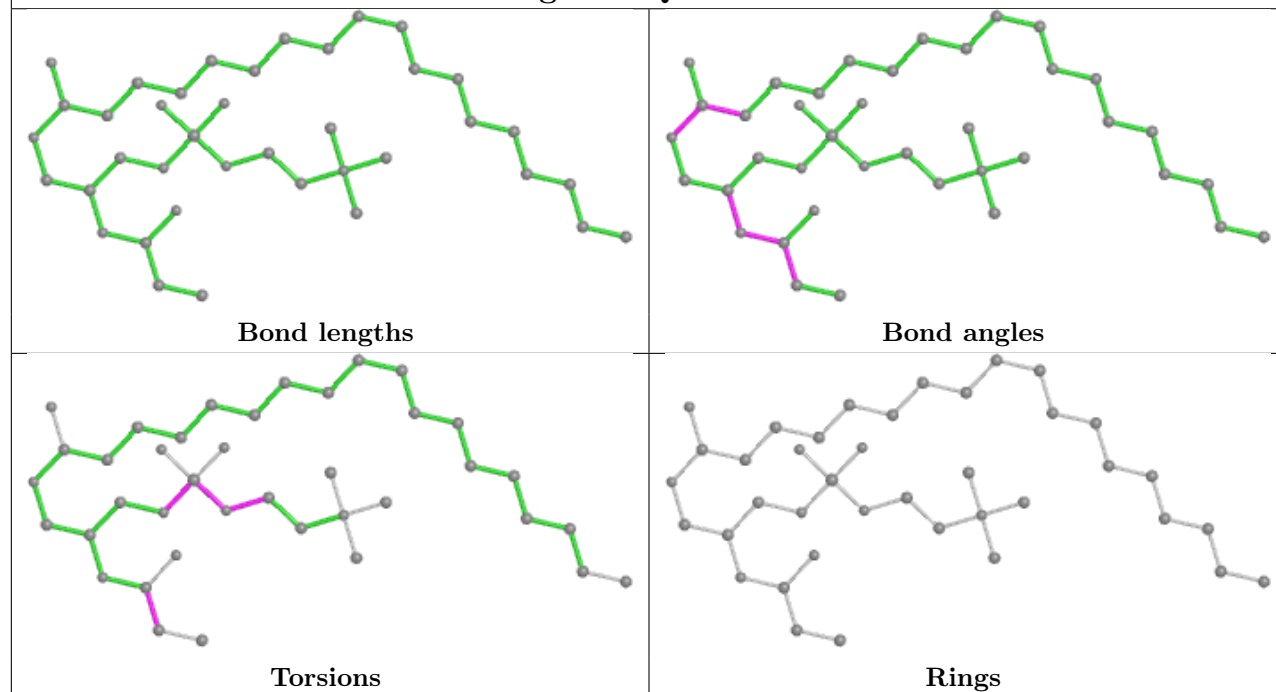




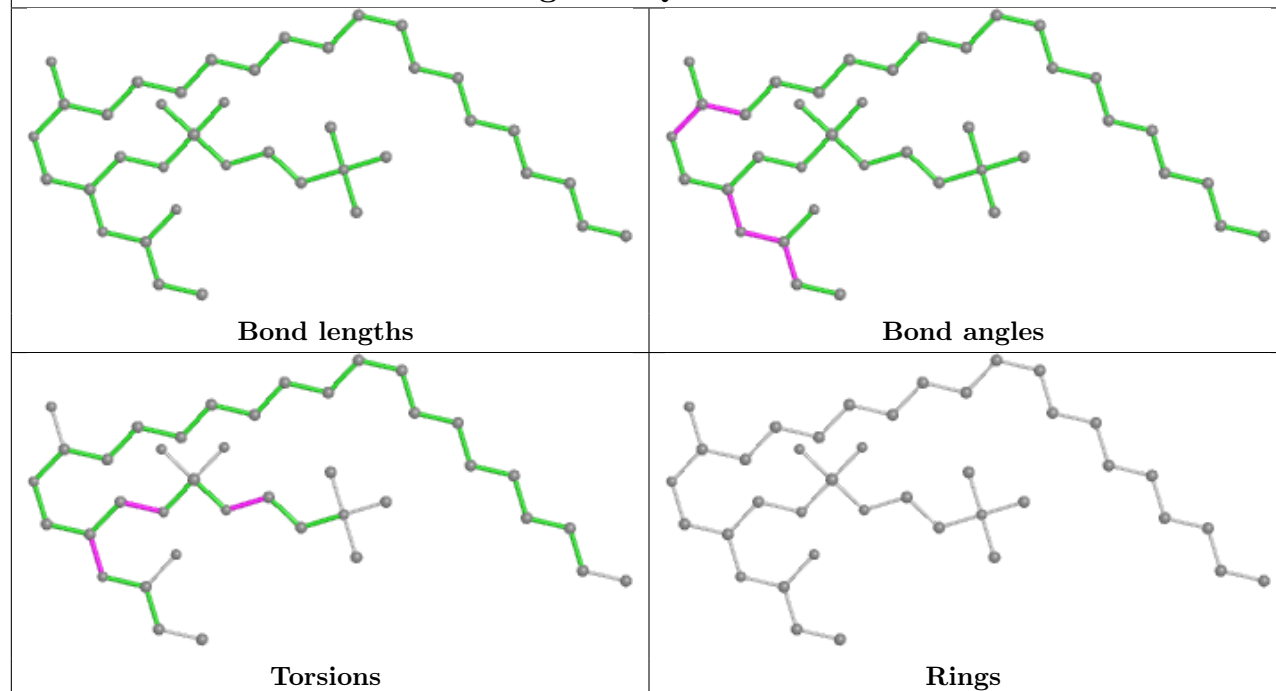
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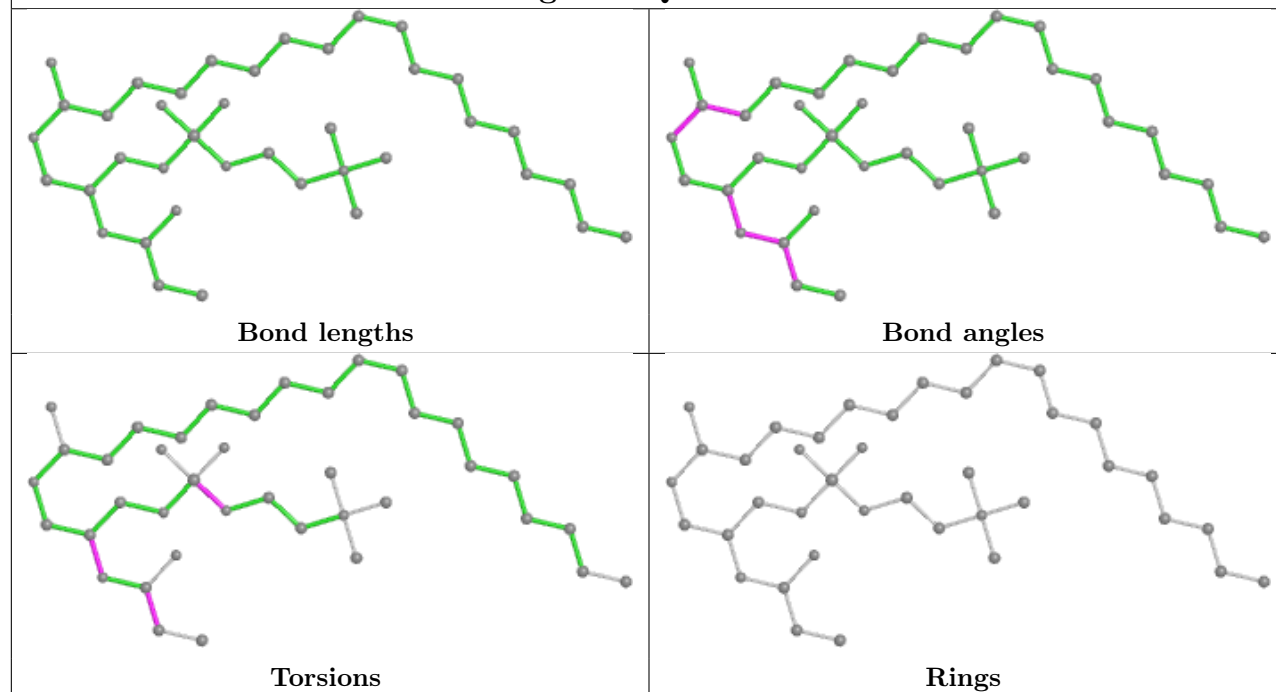
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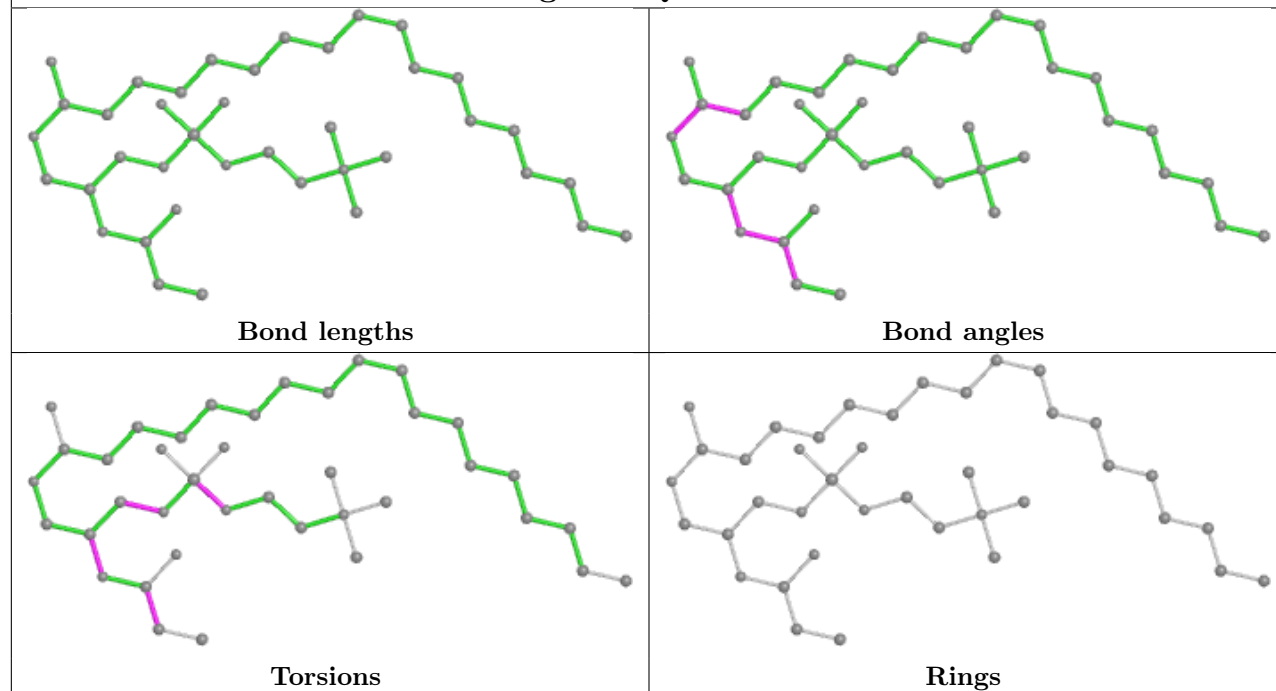
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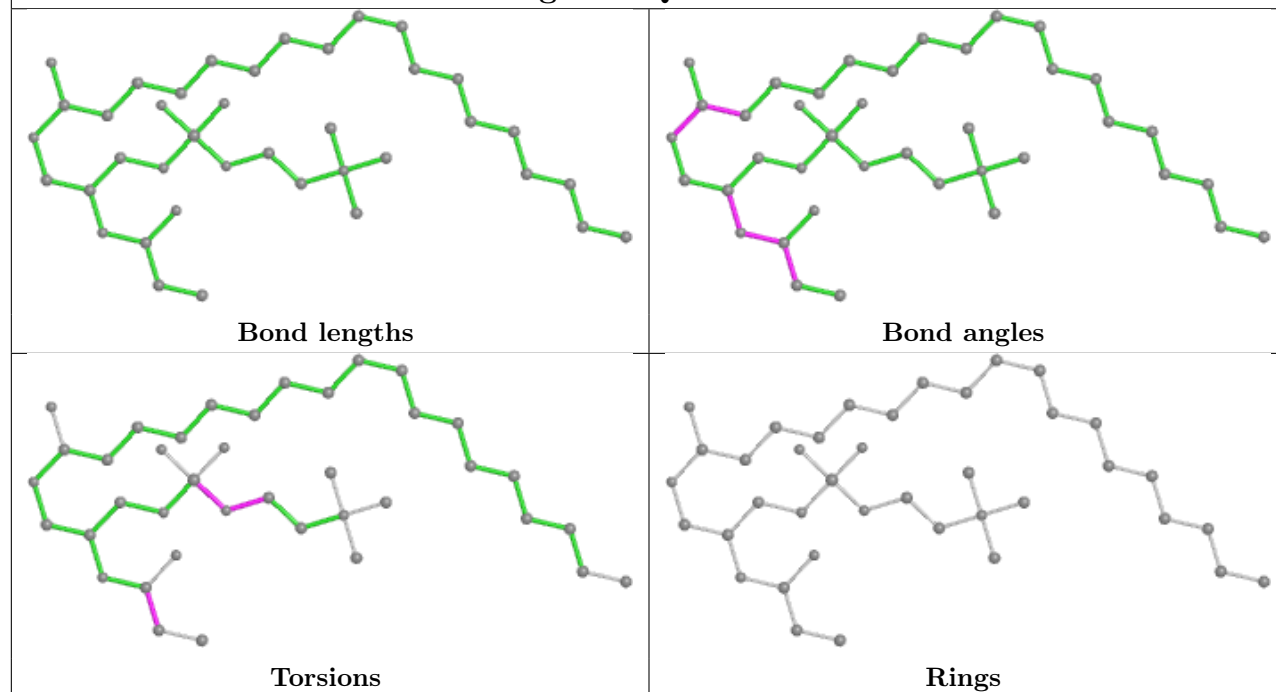
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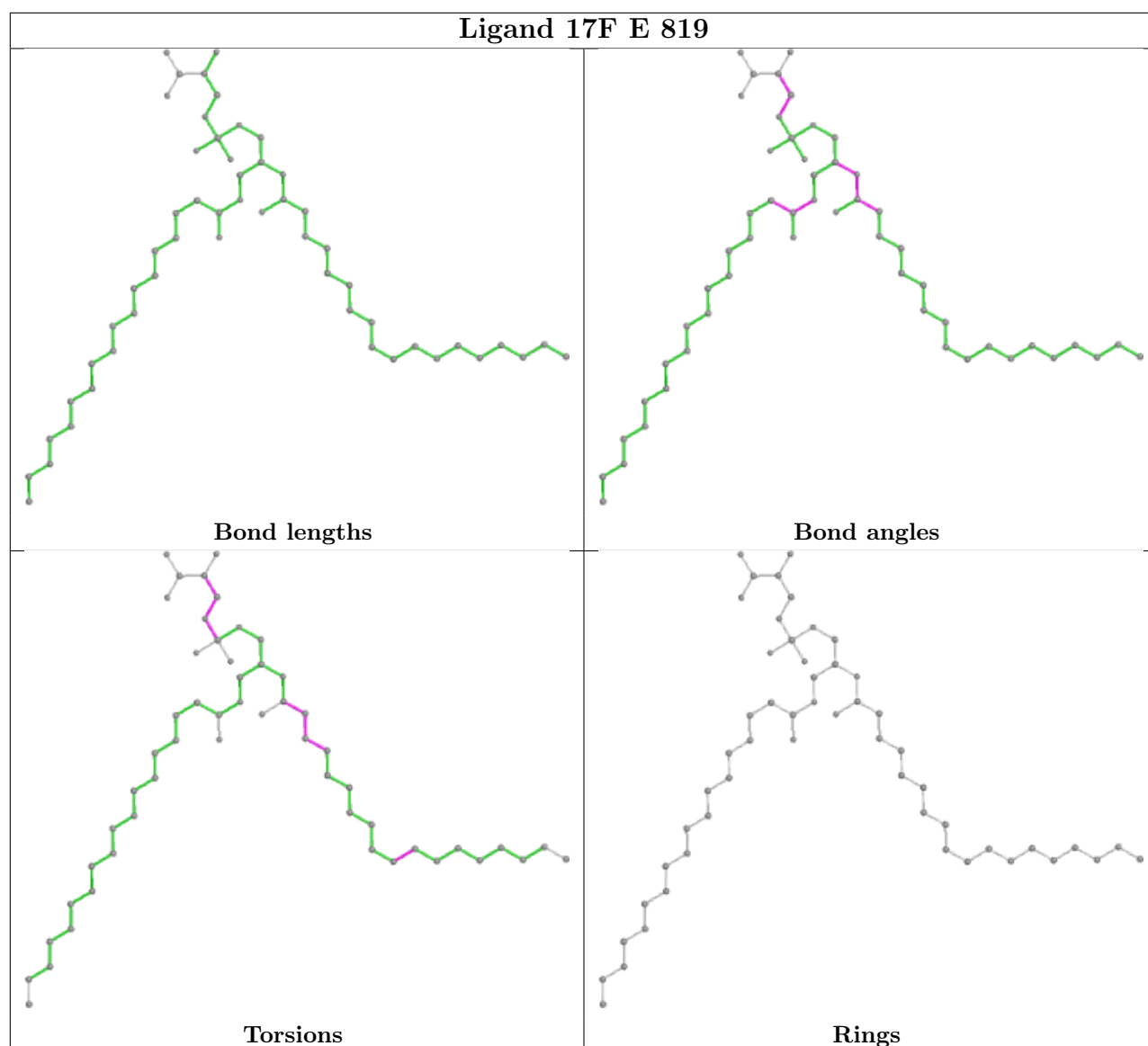


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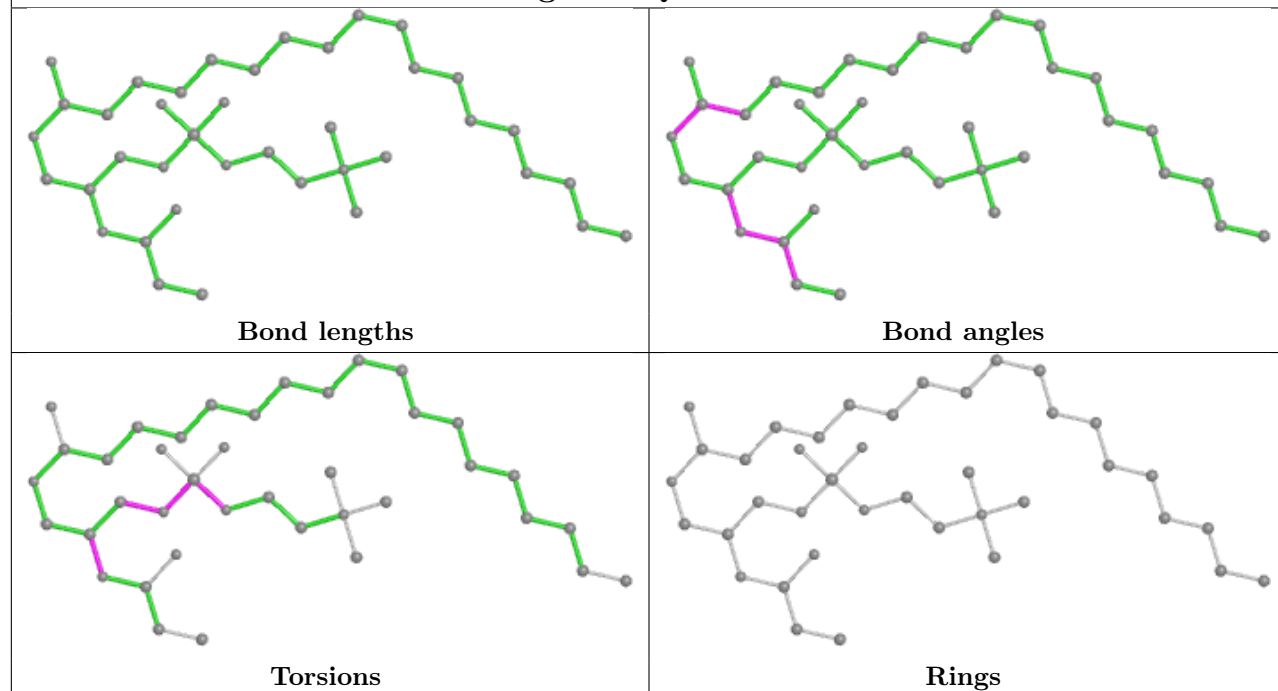


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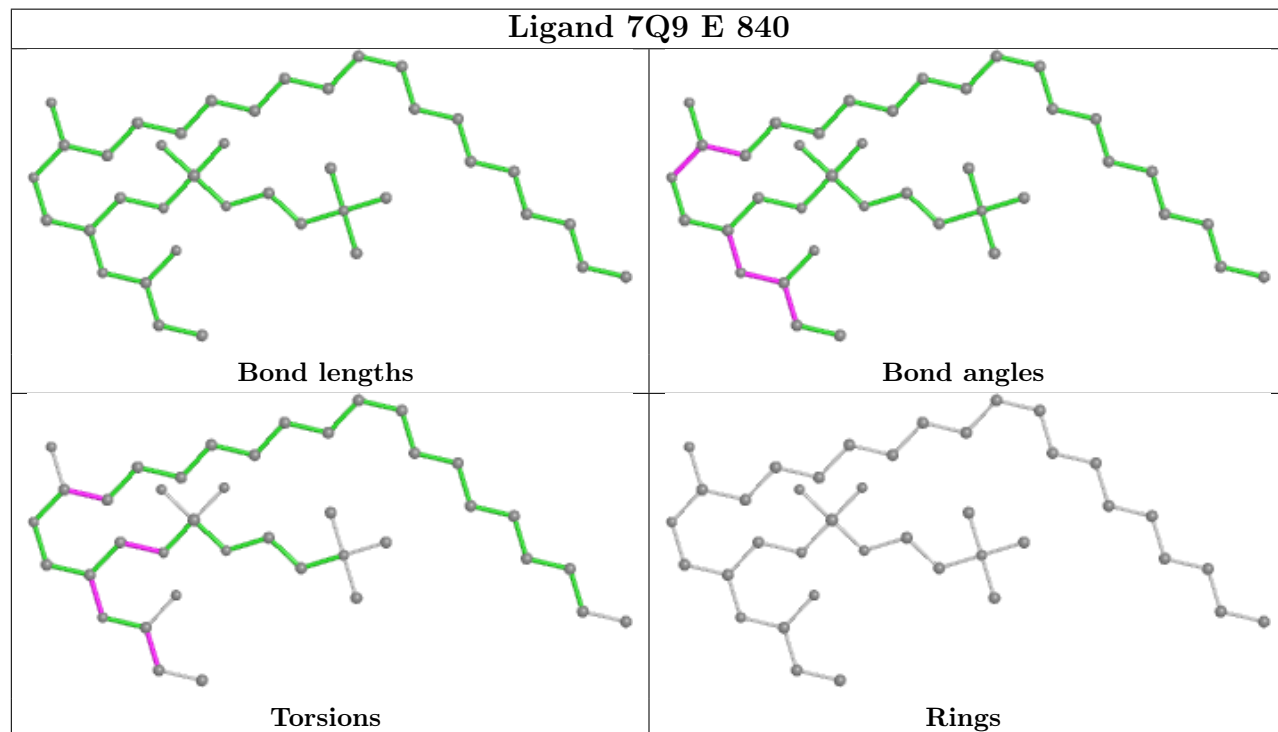




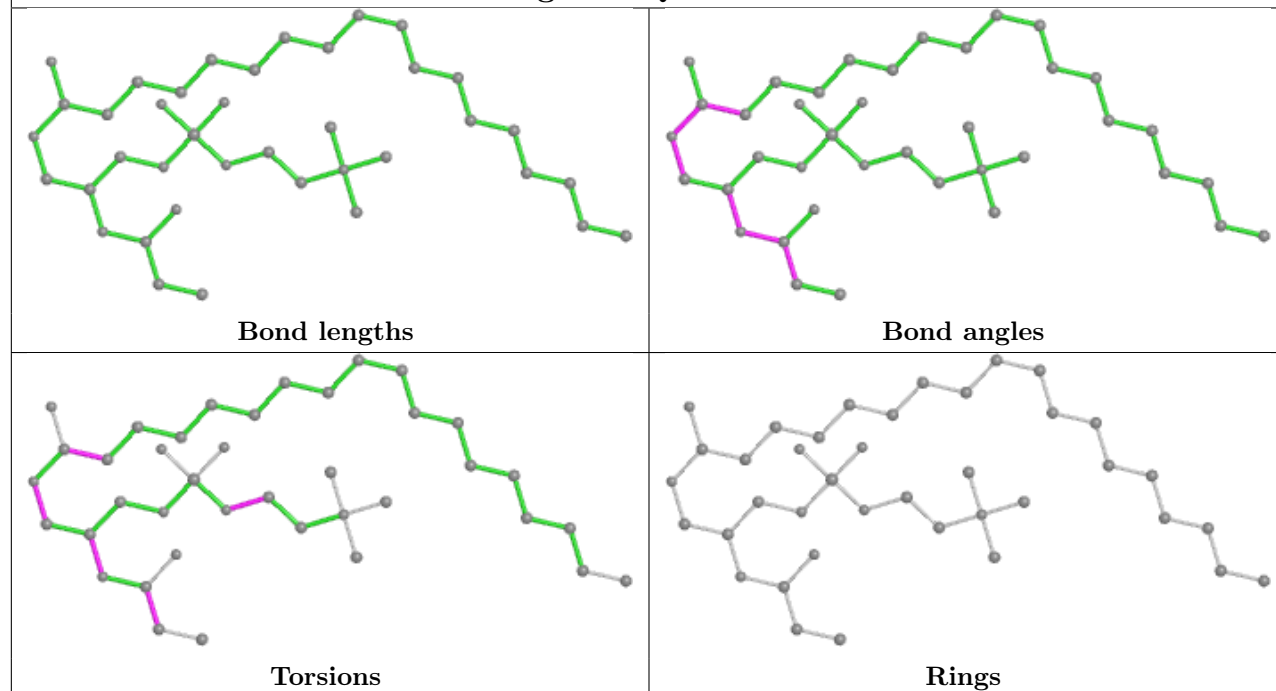
Ligand 7Q9 B 210



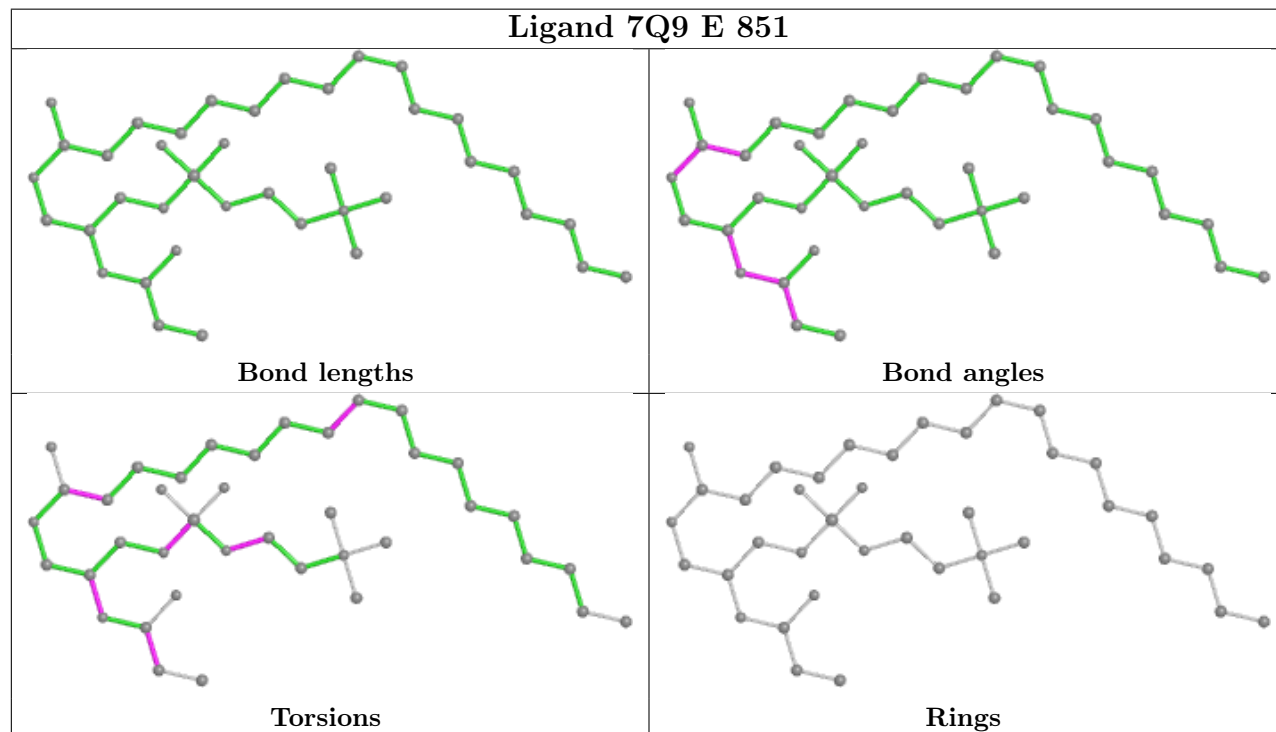
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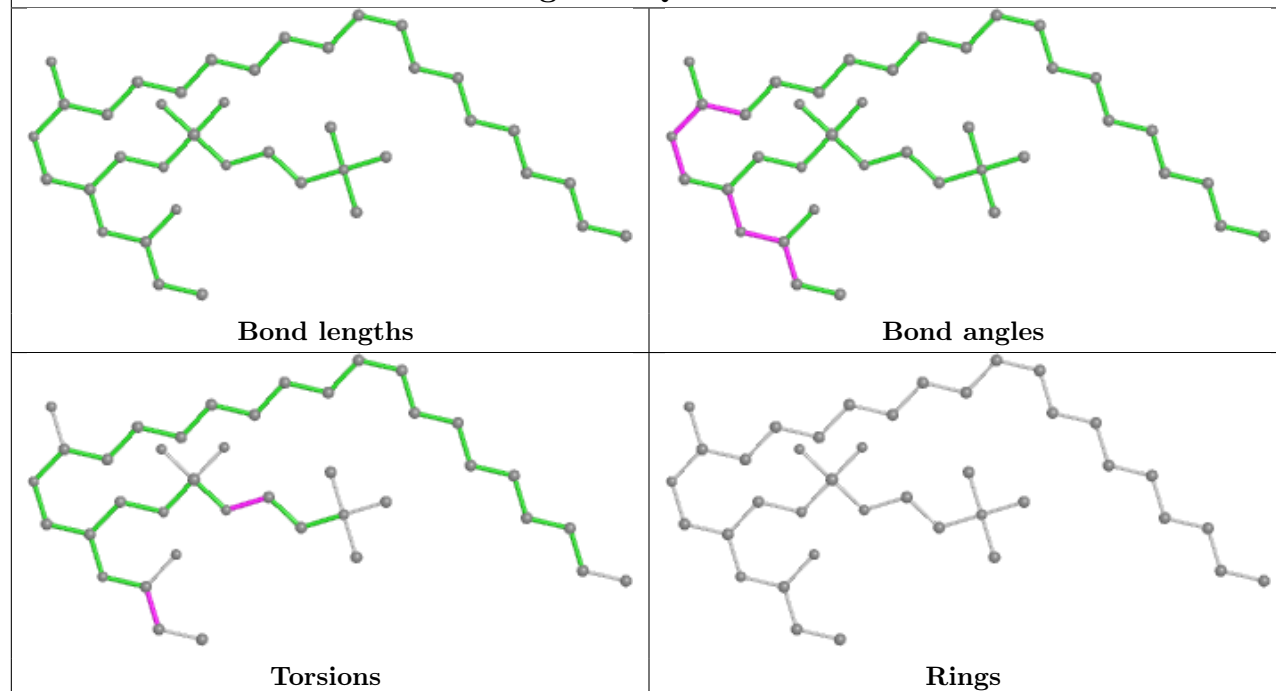
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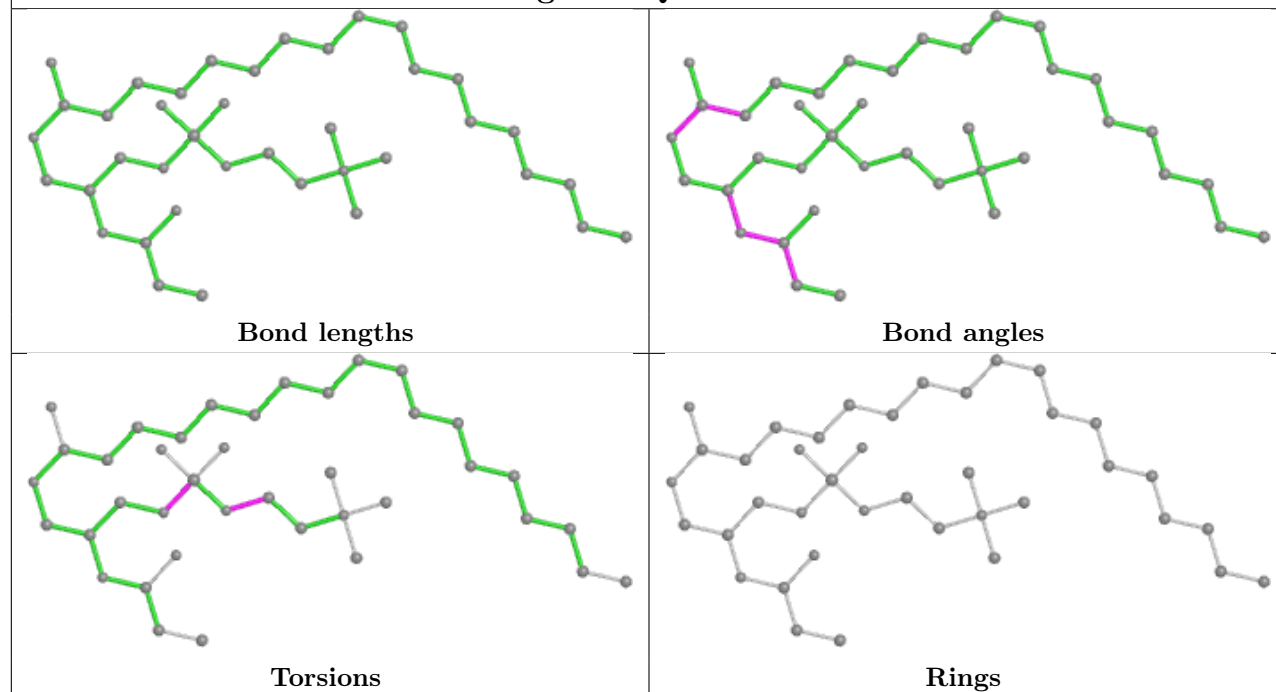
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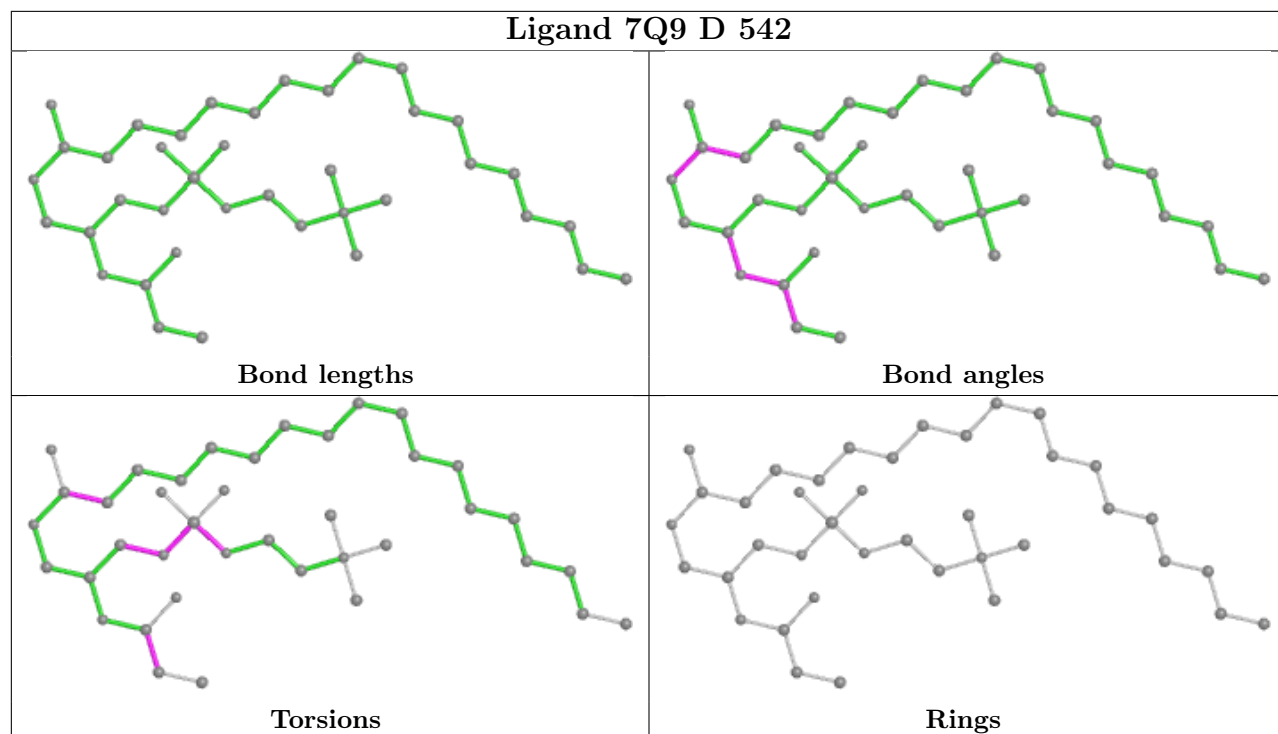


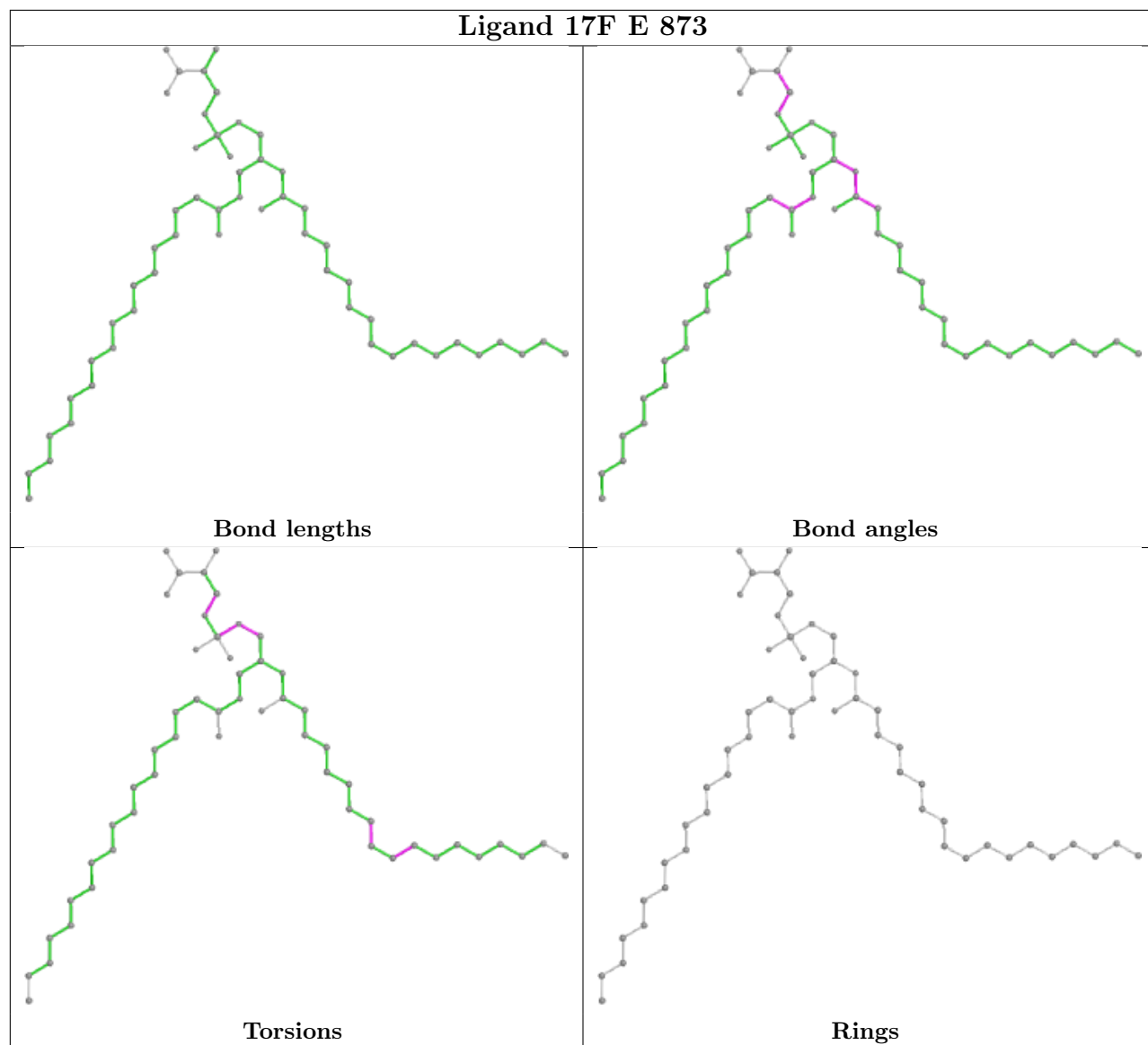
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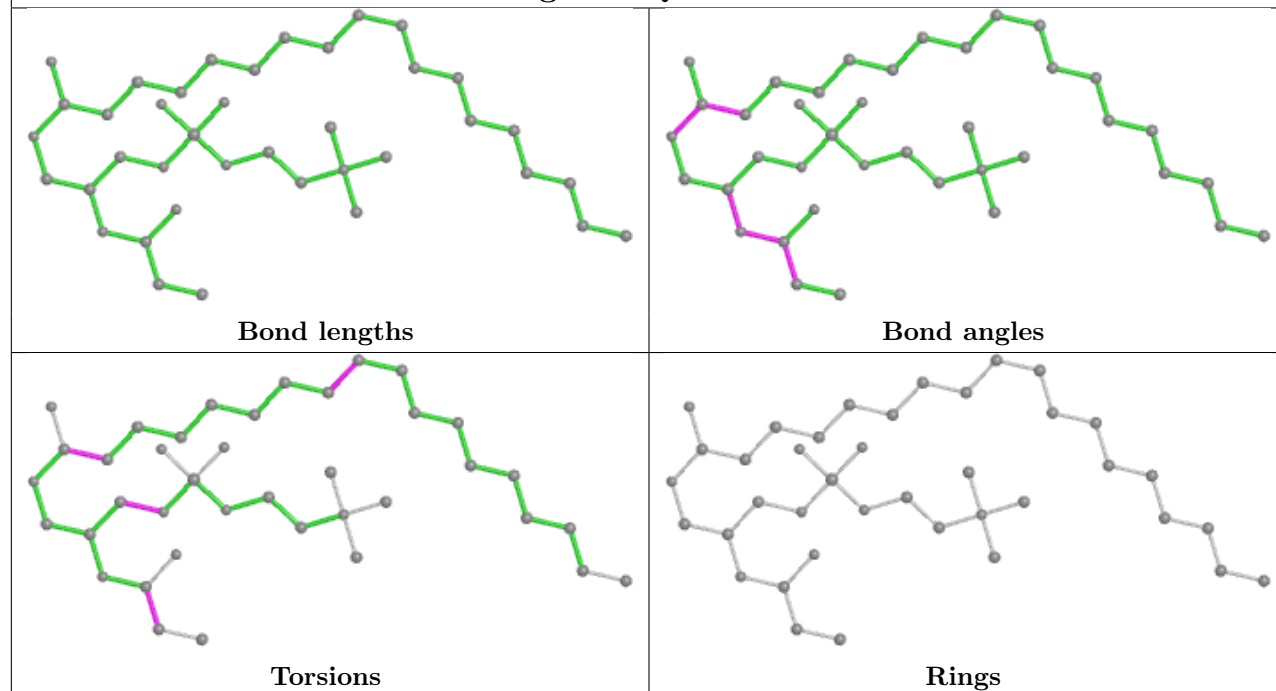
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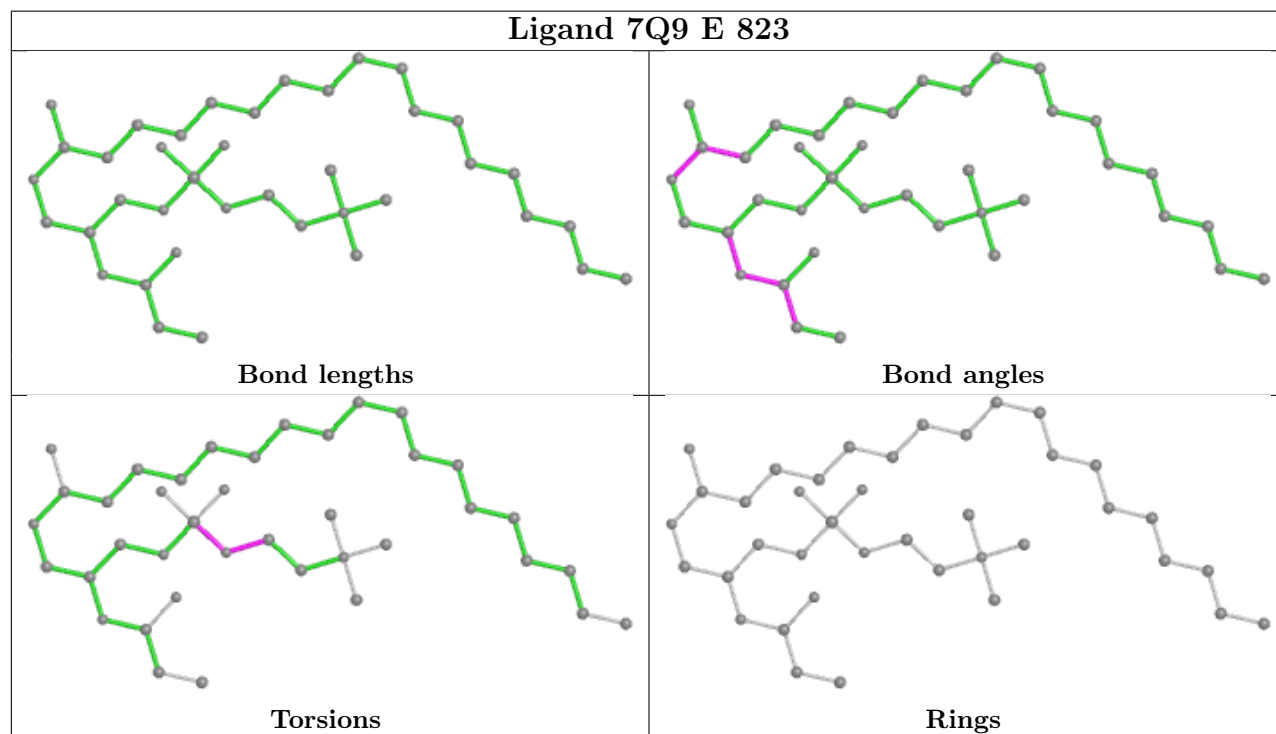


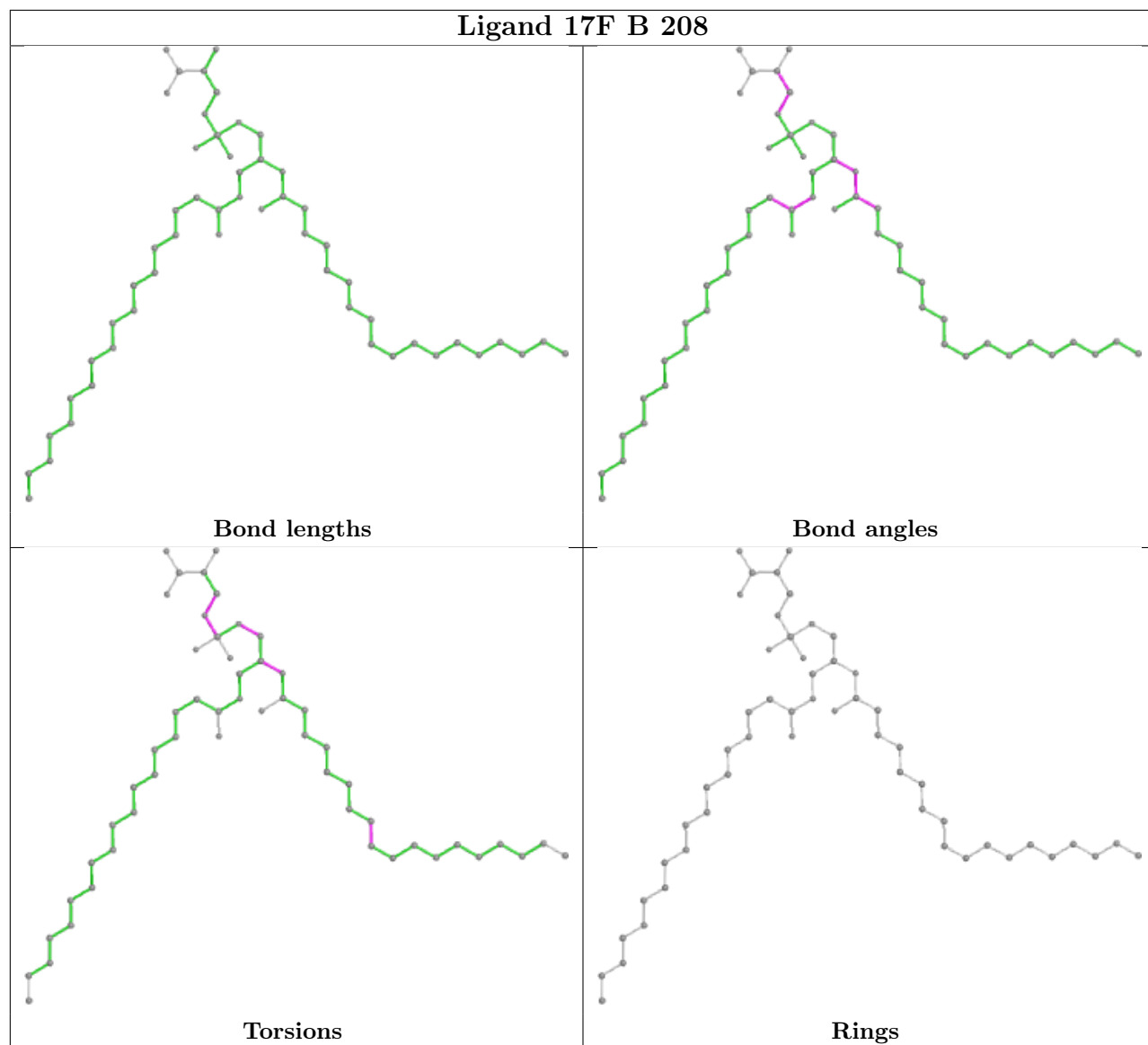


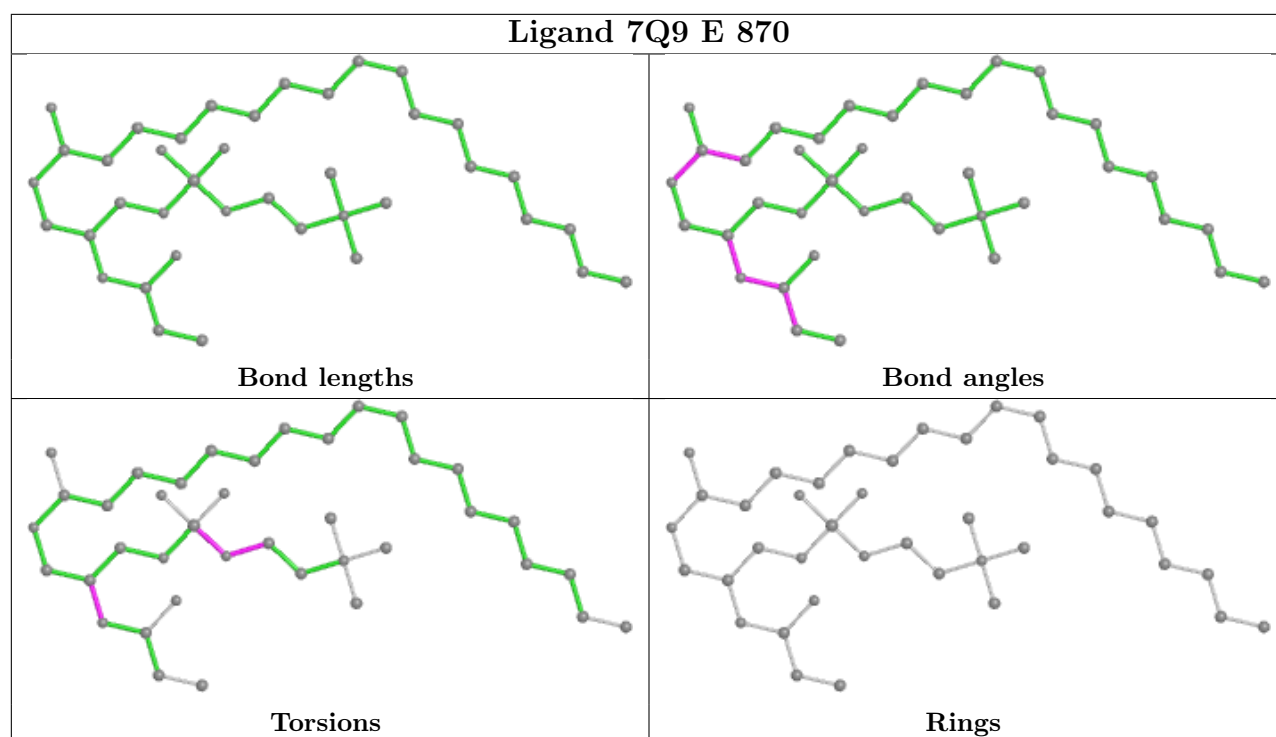
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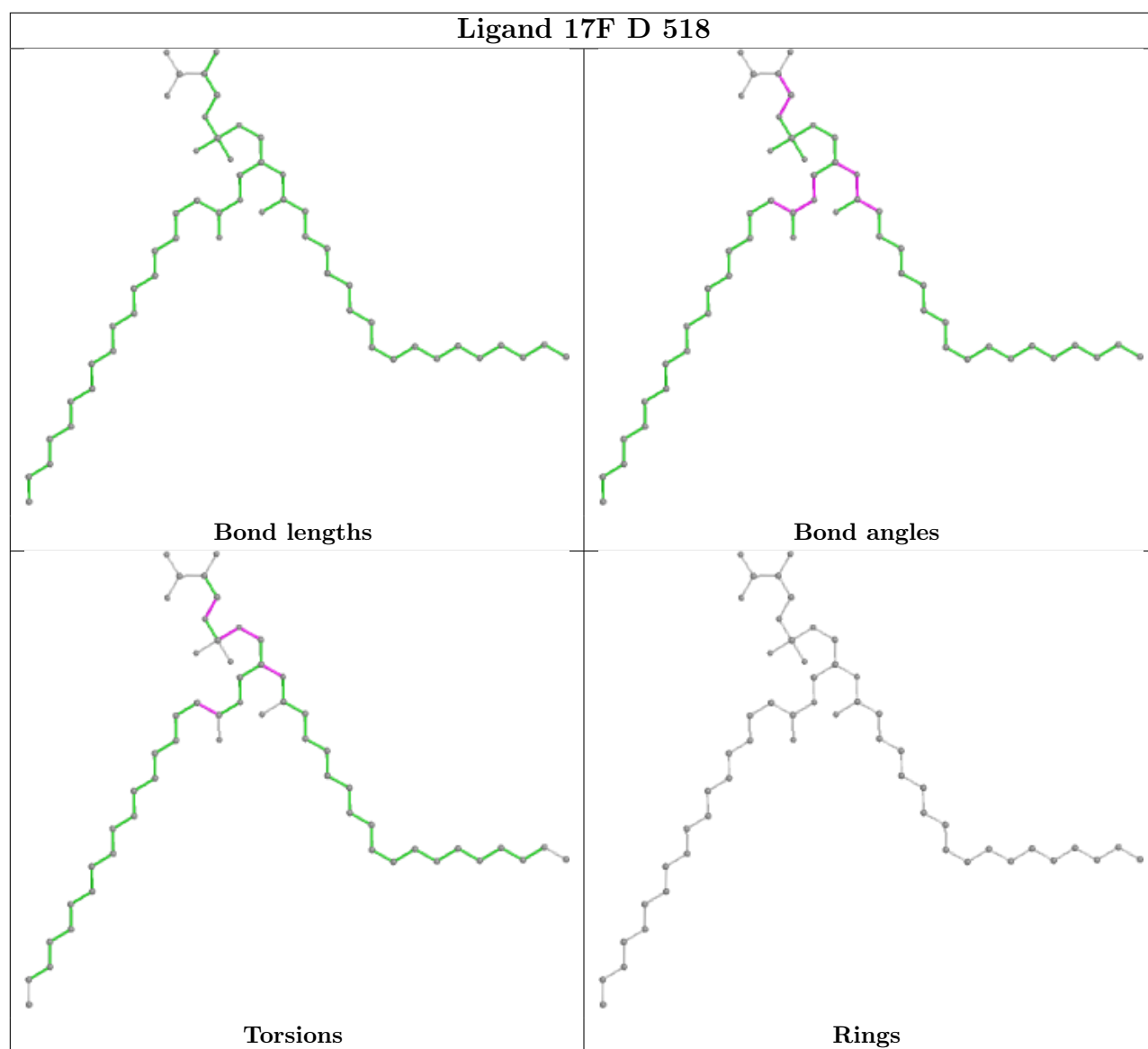


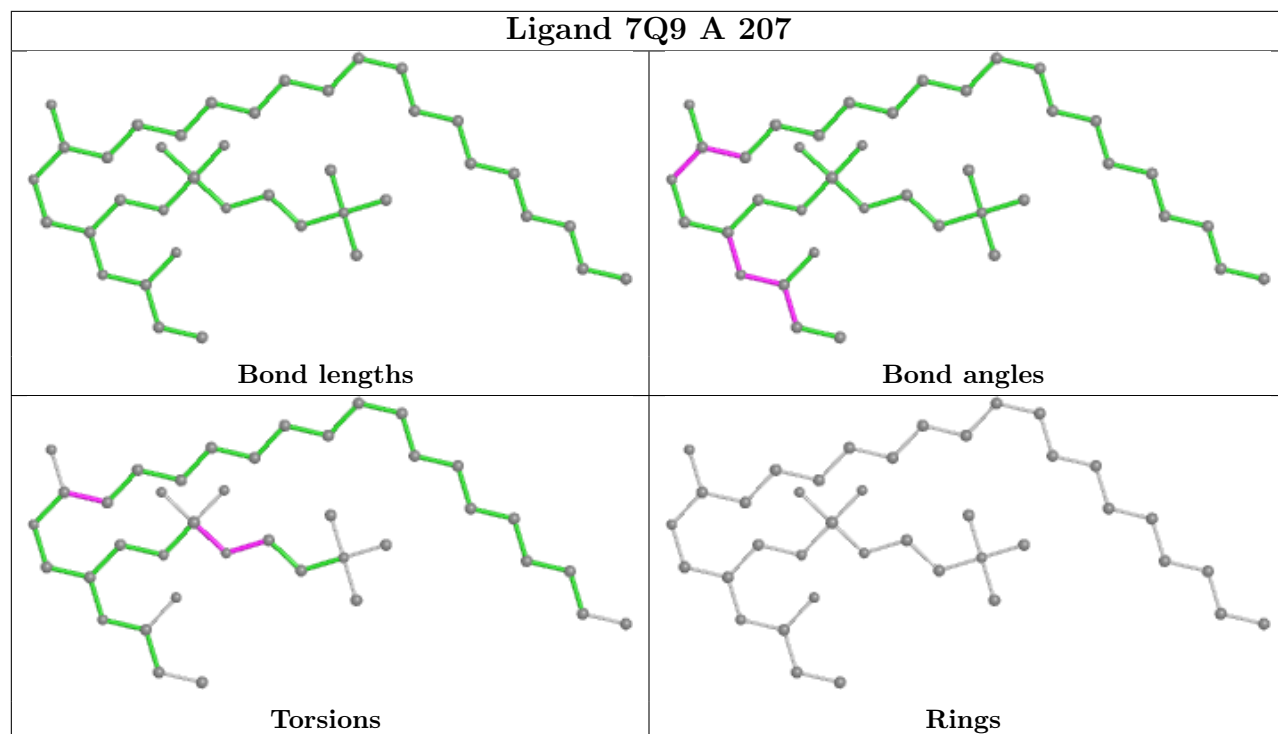
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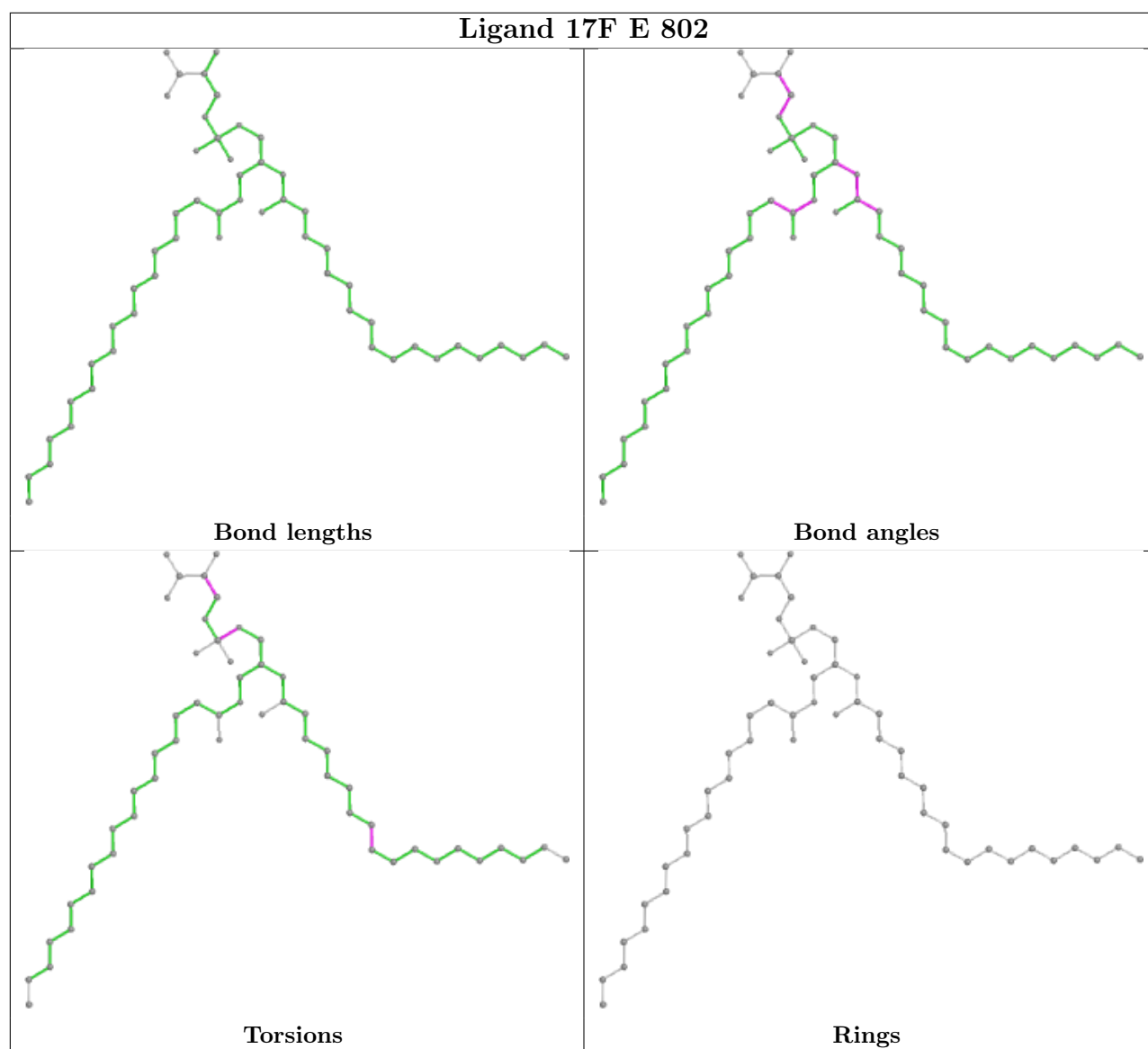




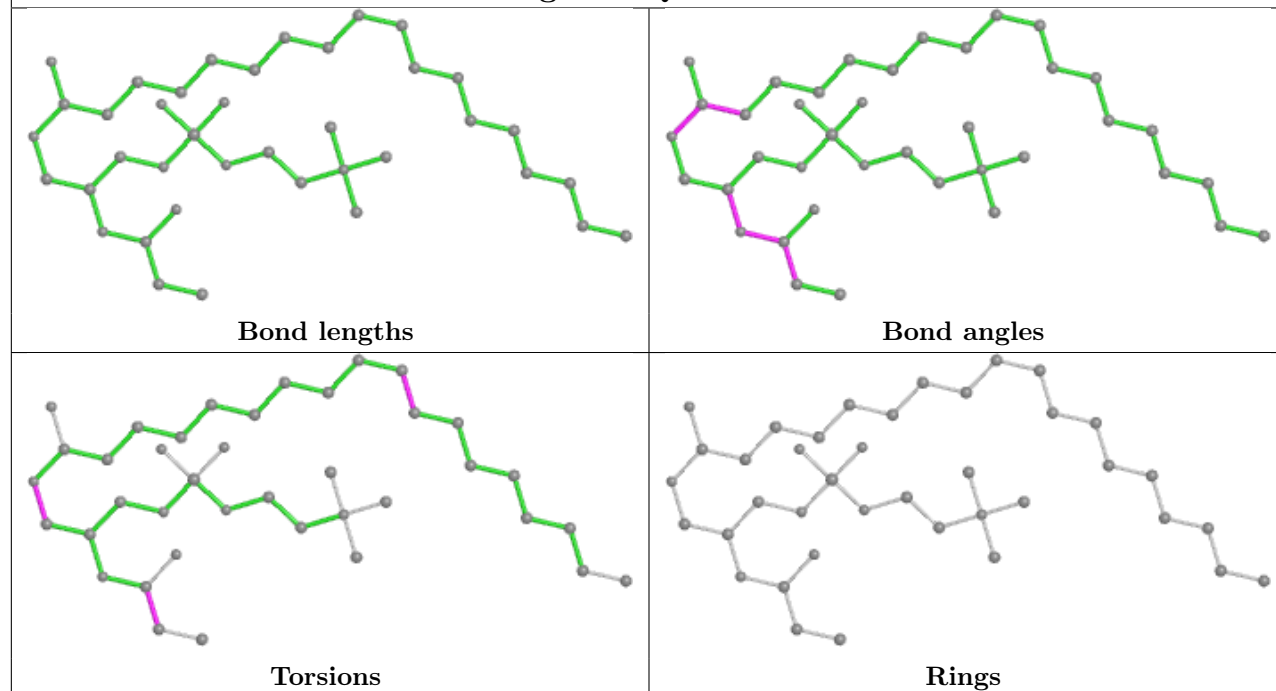




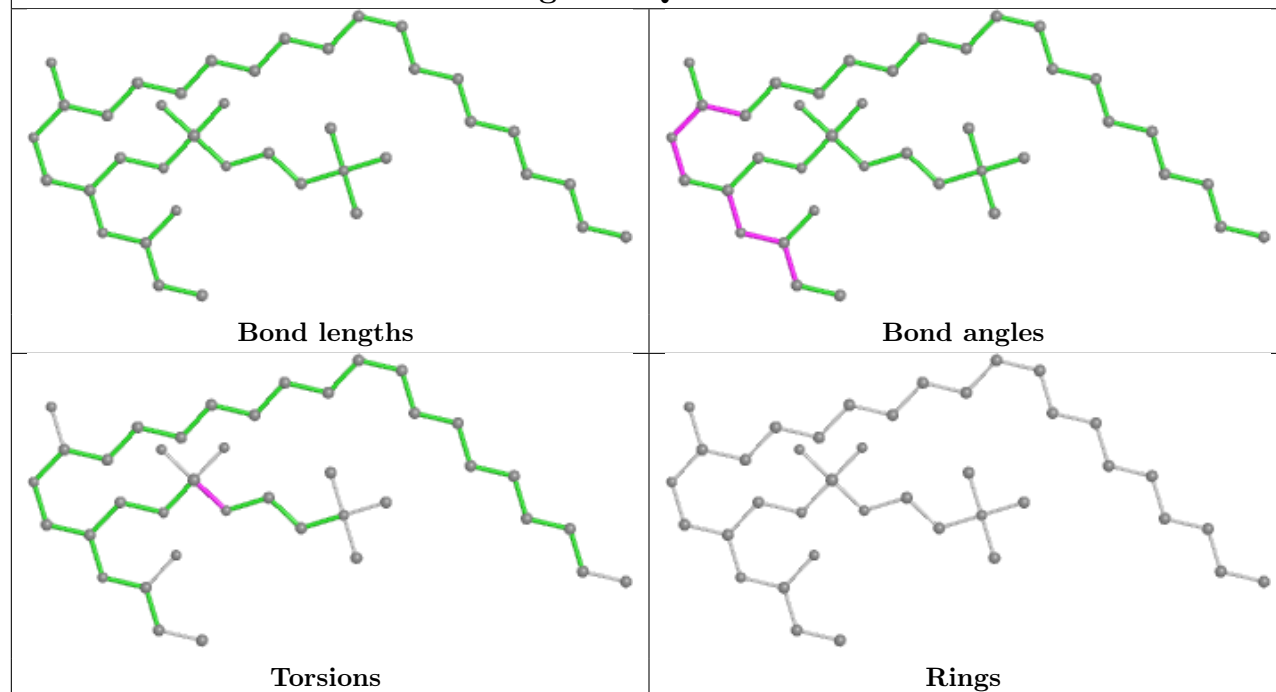




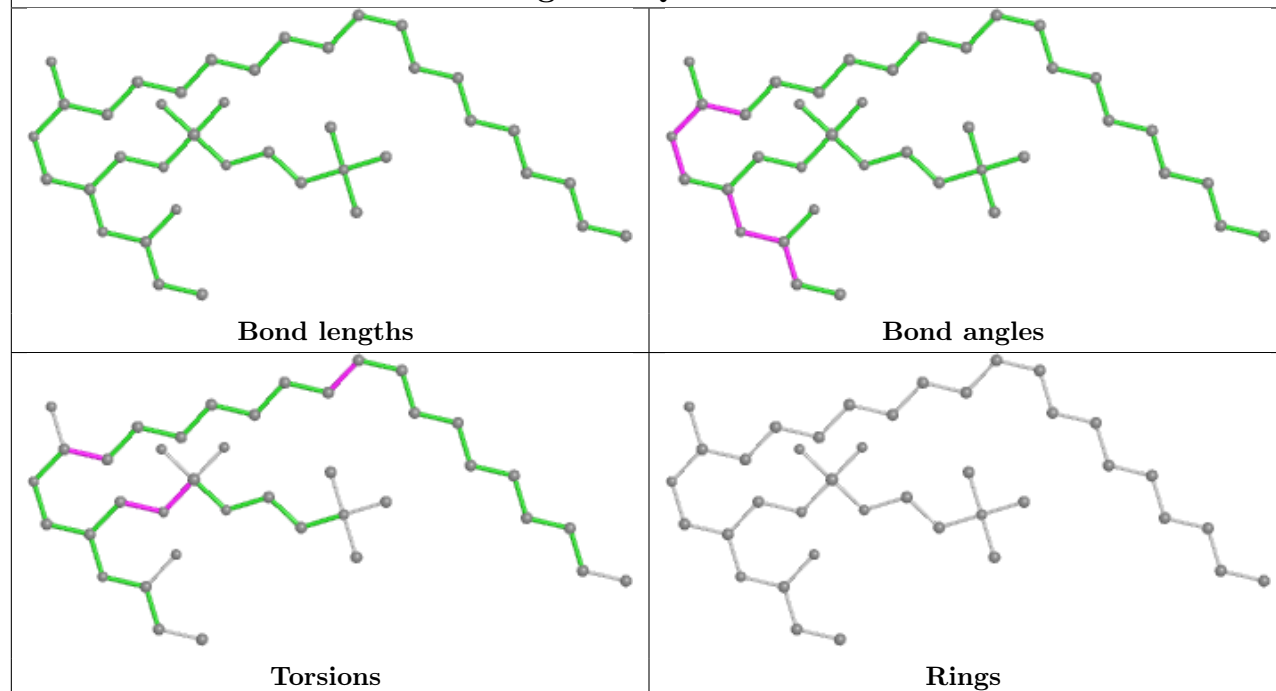
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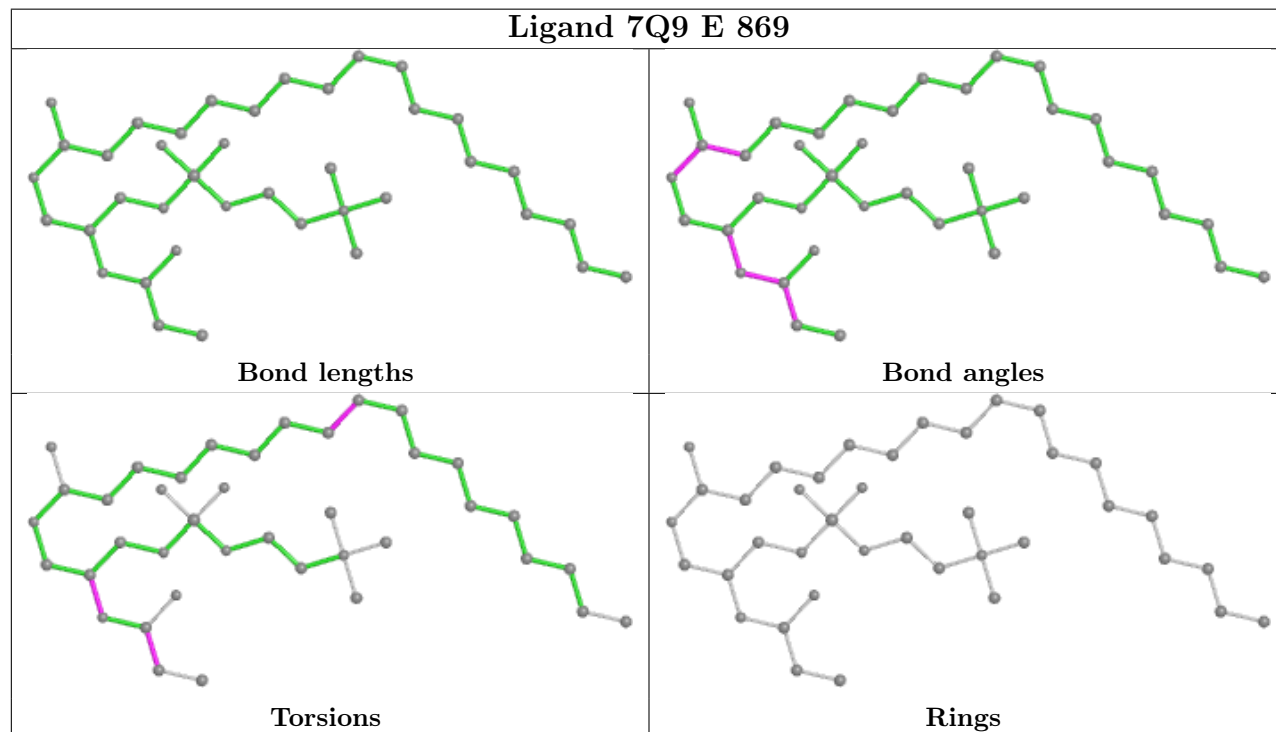
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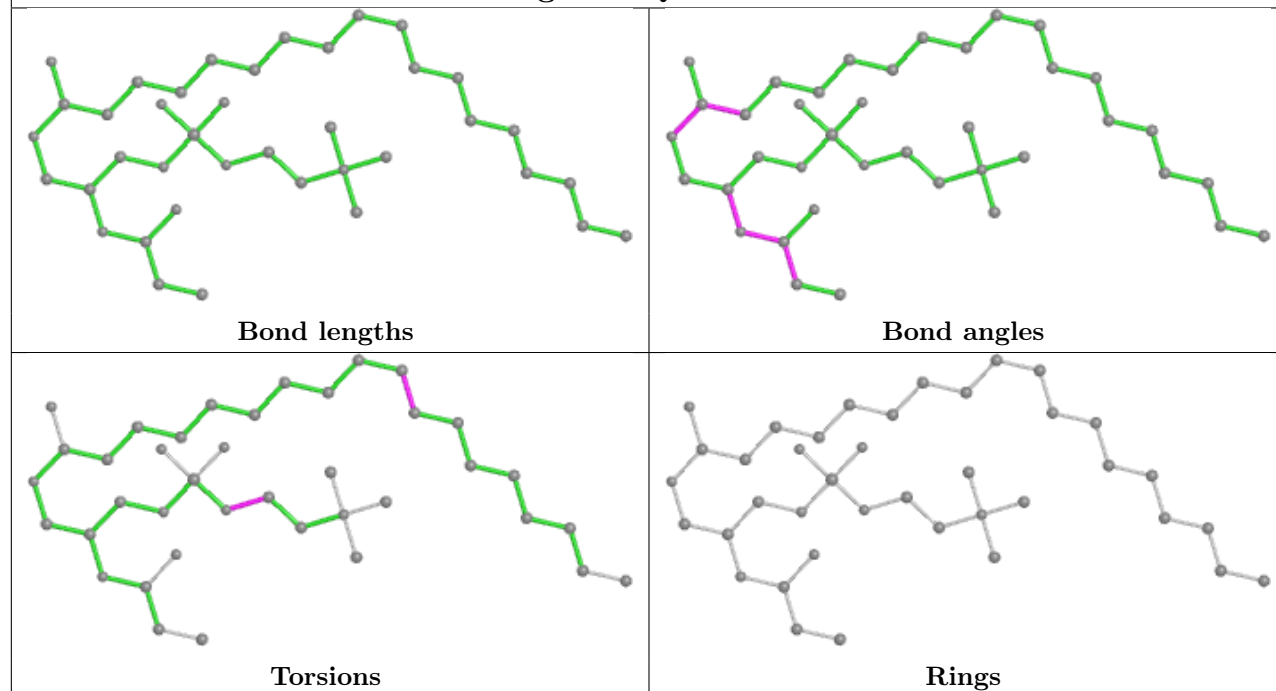
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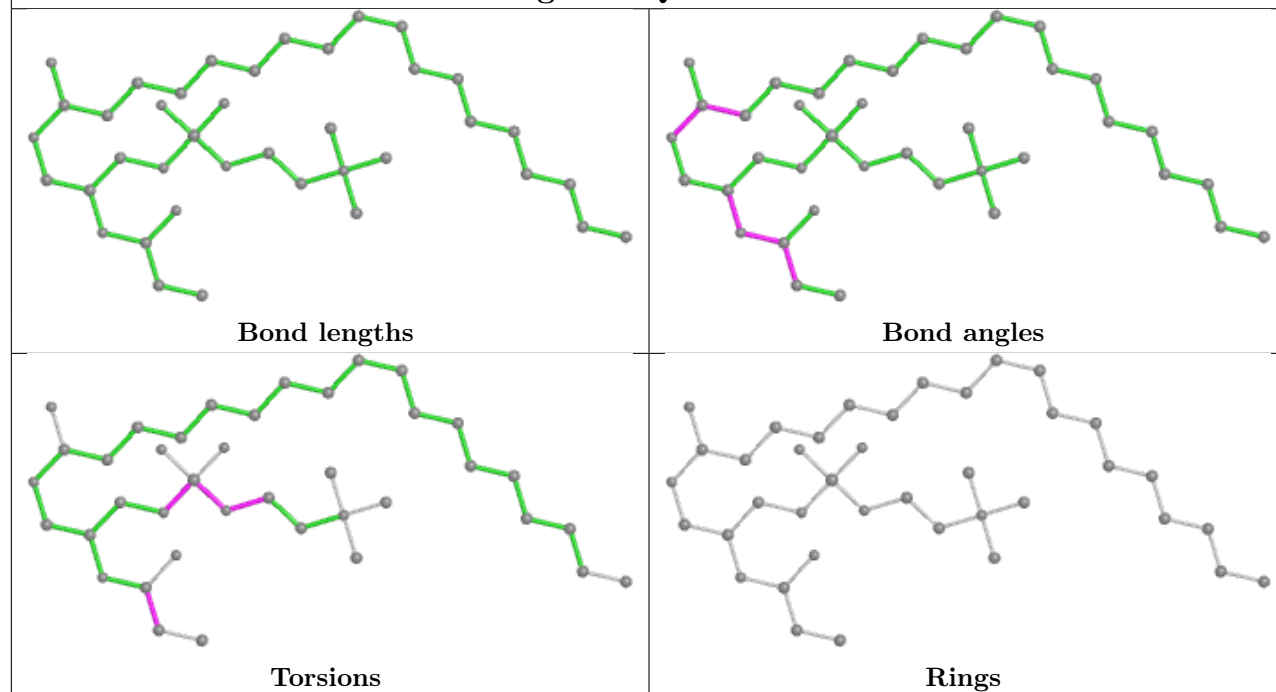
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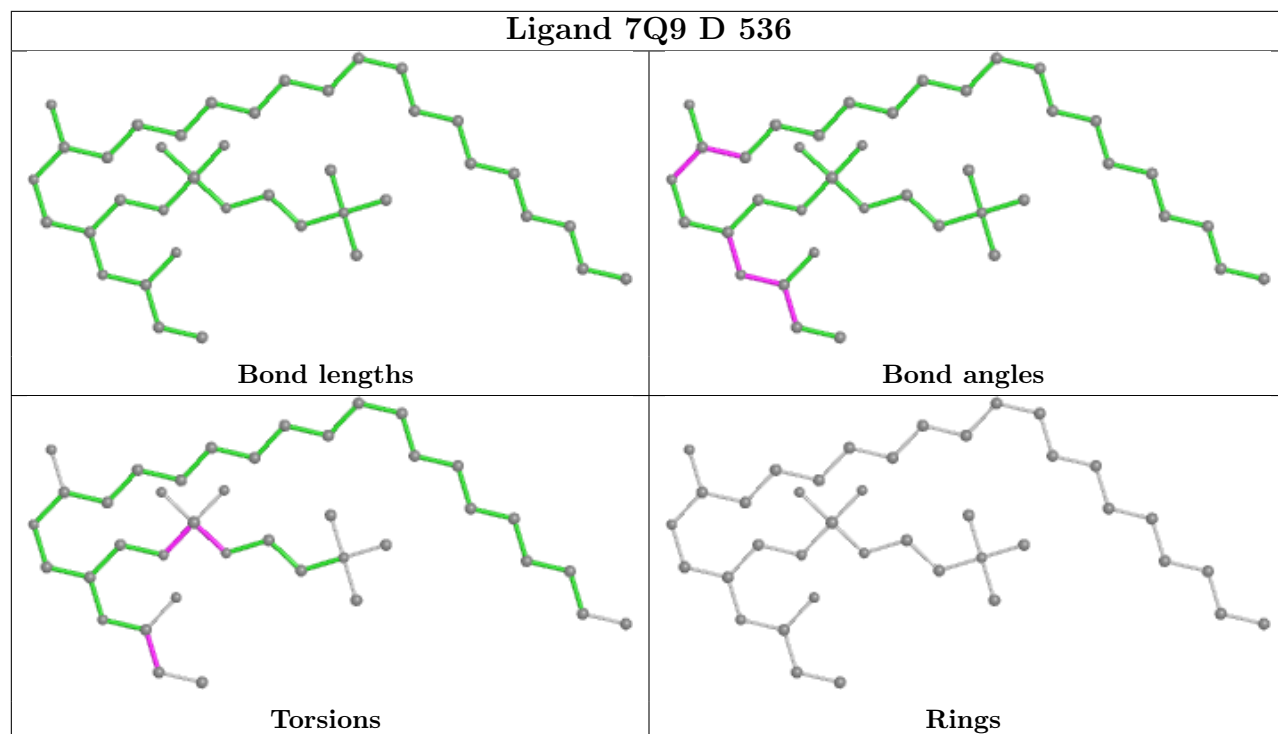
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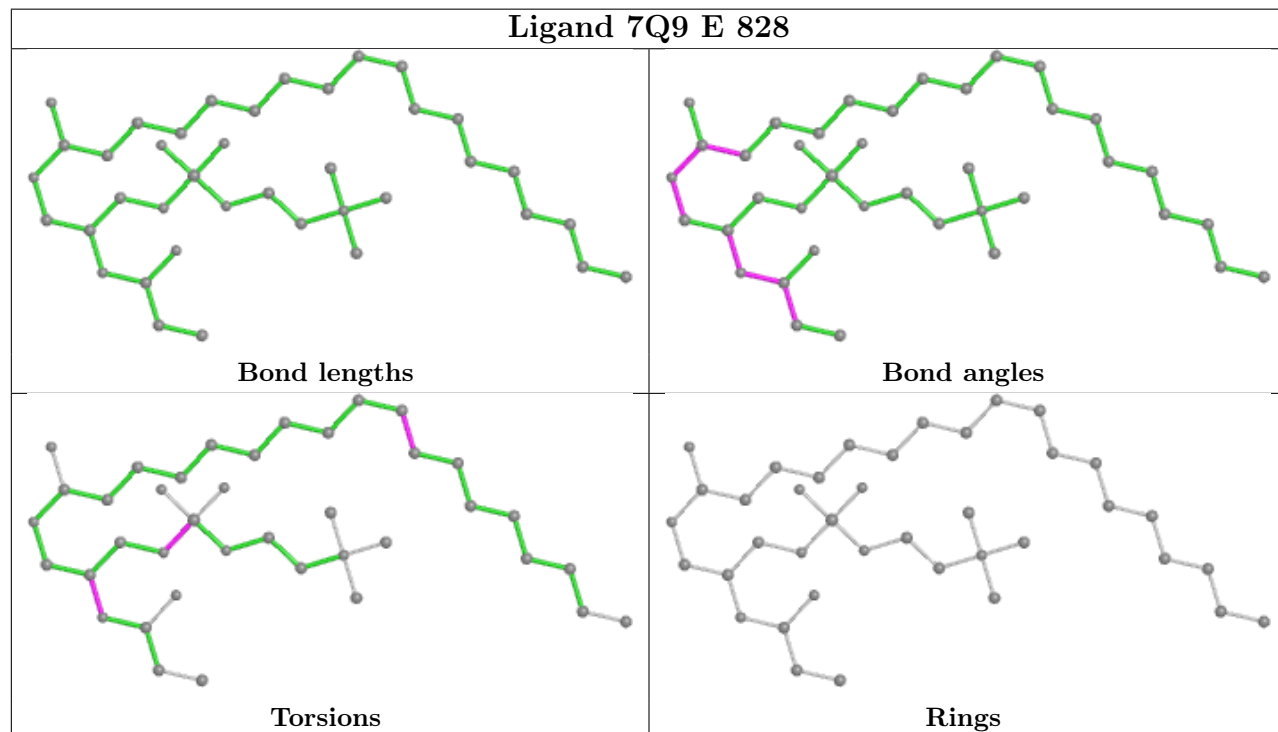
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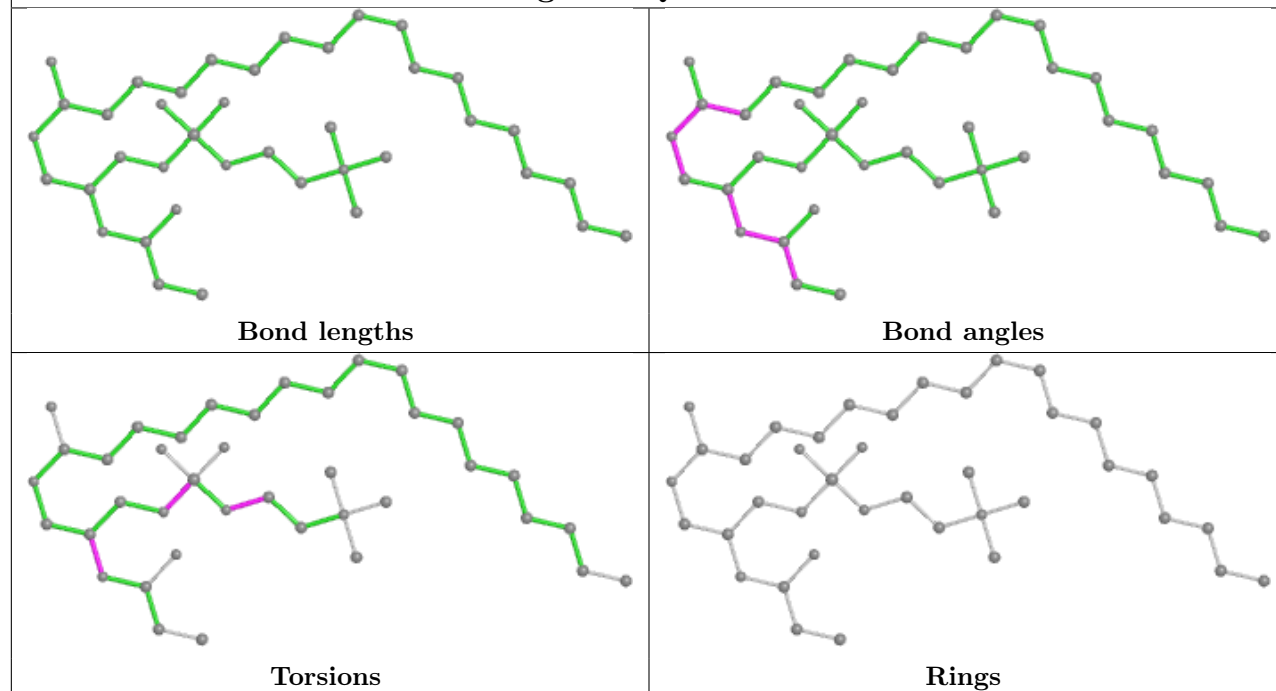
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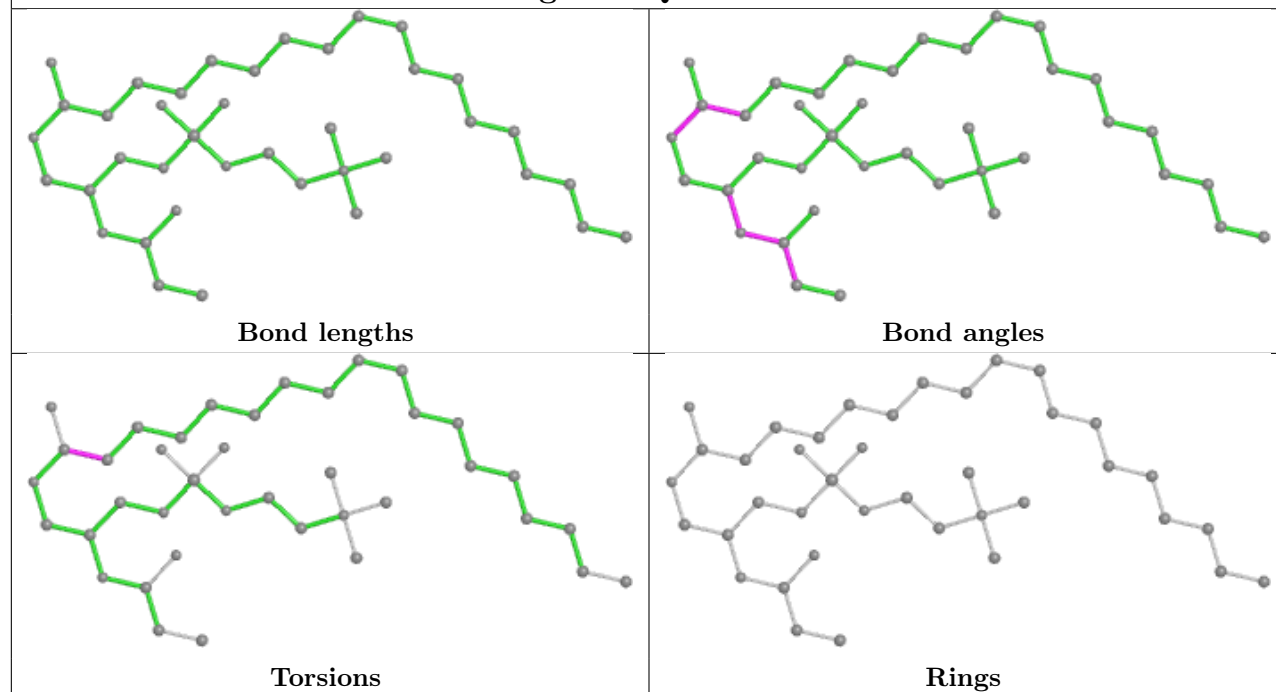
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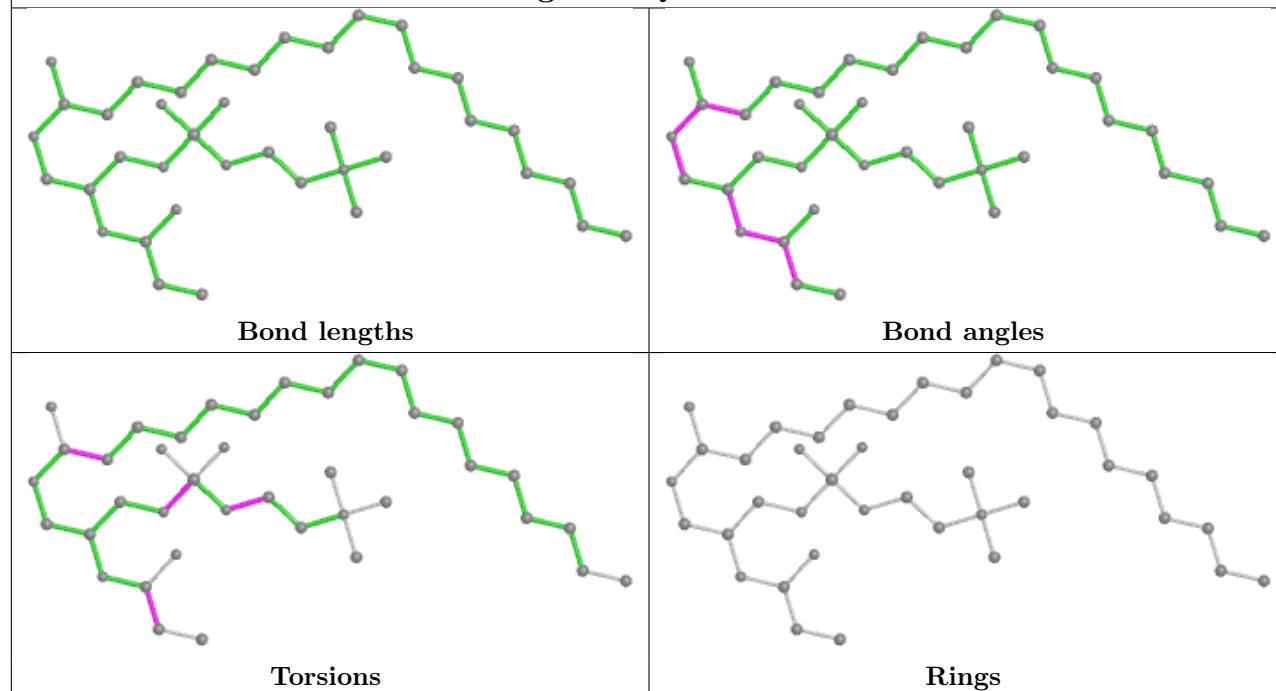
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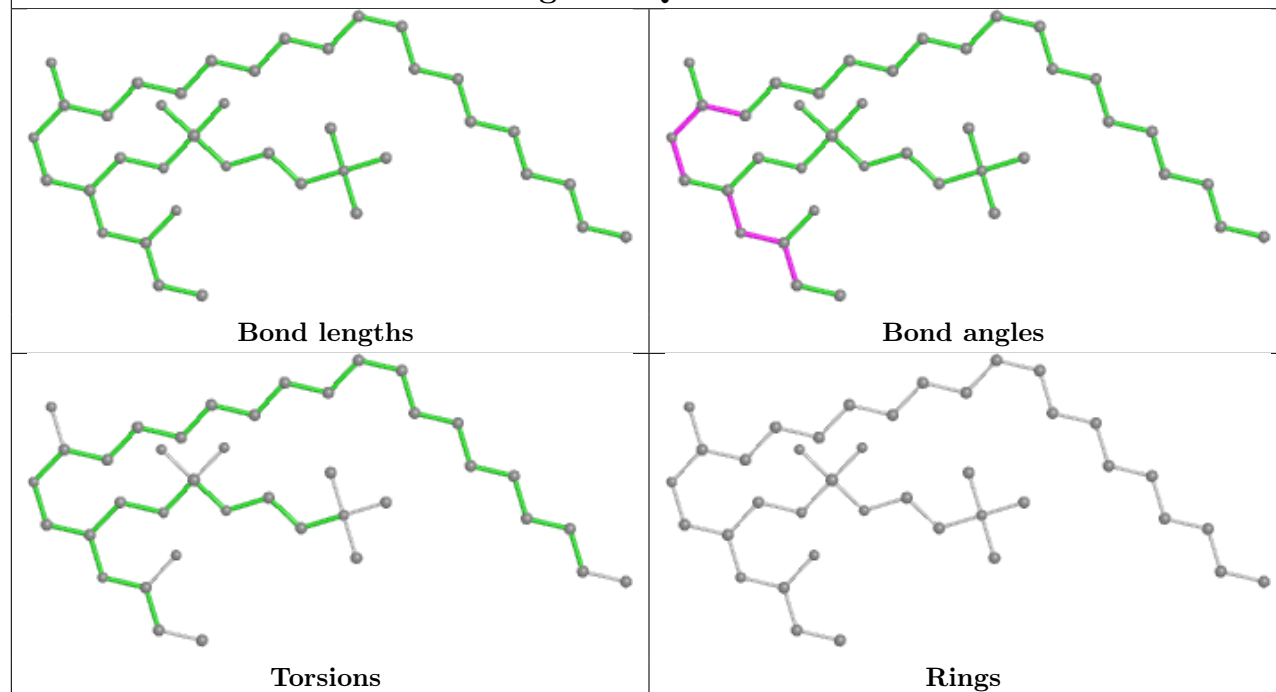
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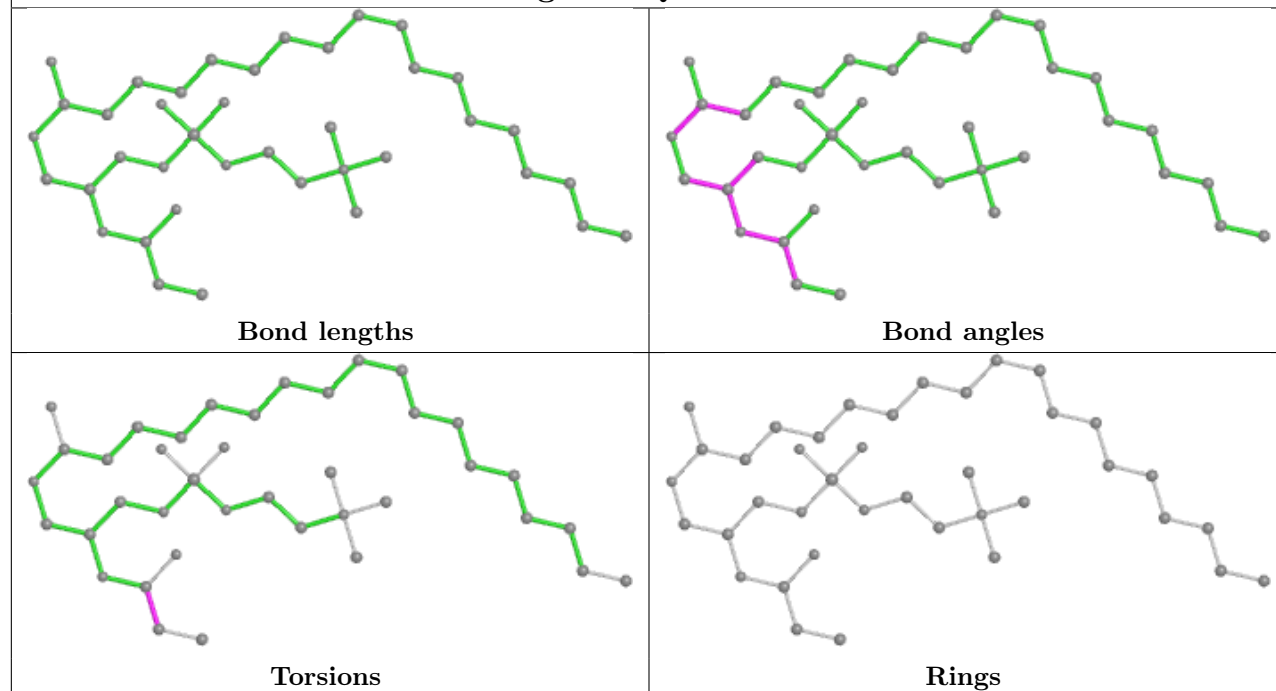
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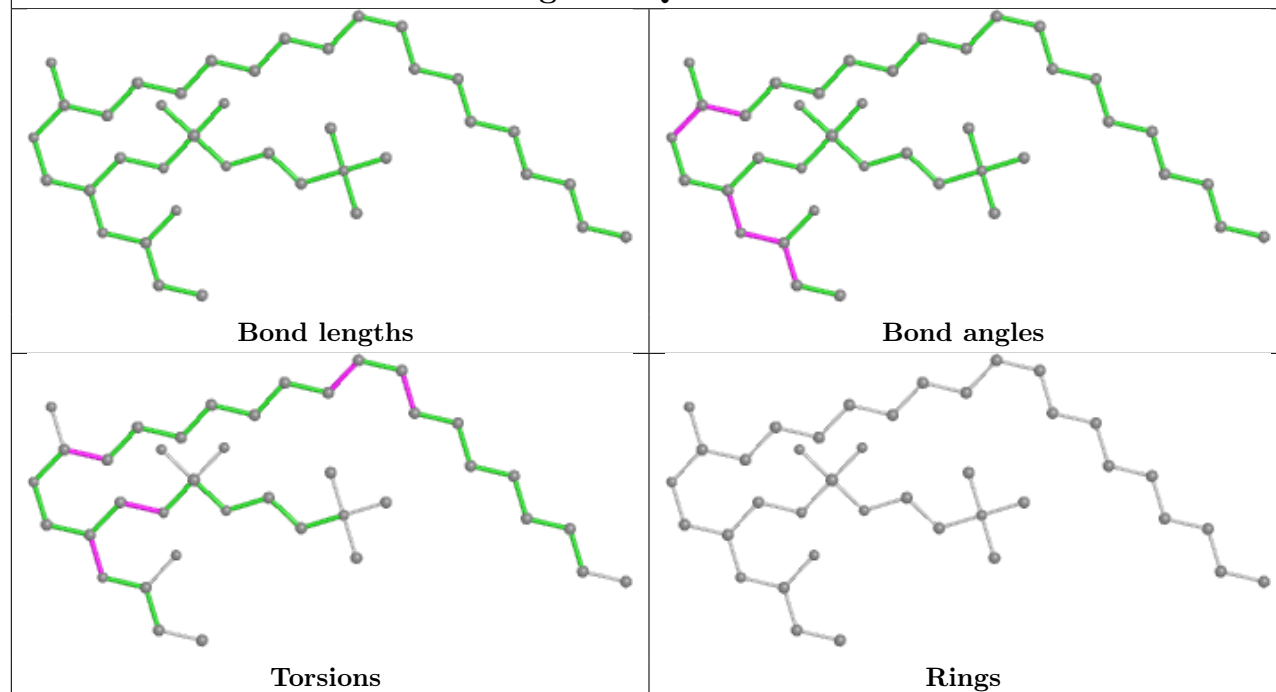
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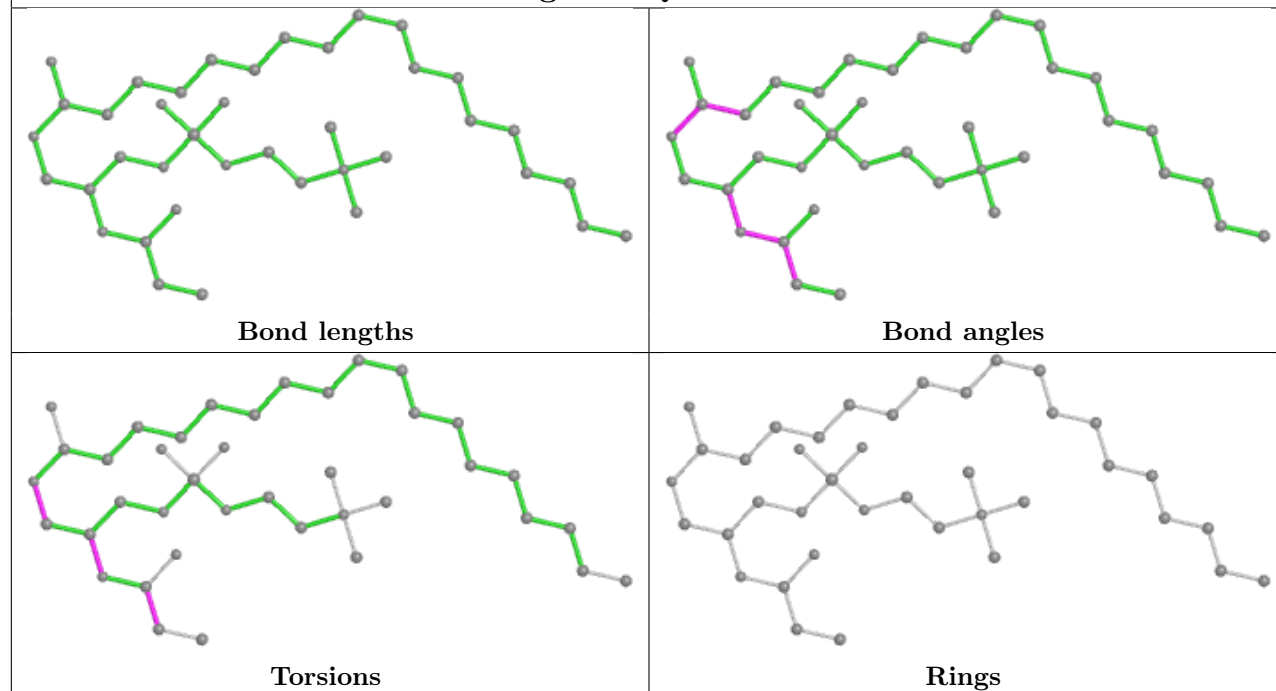
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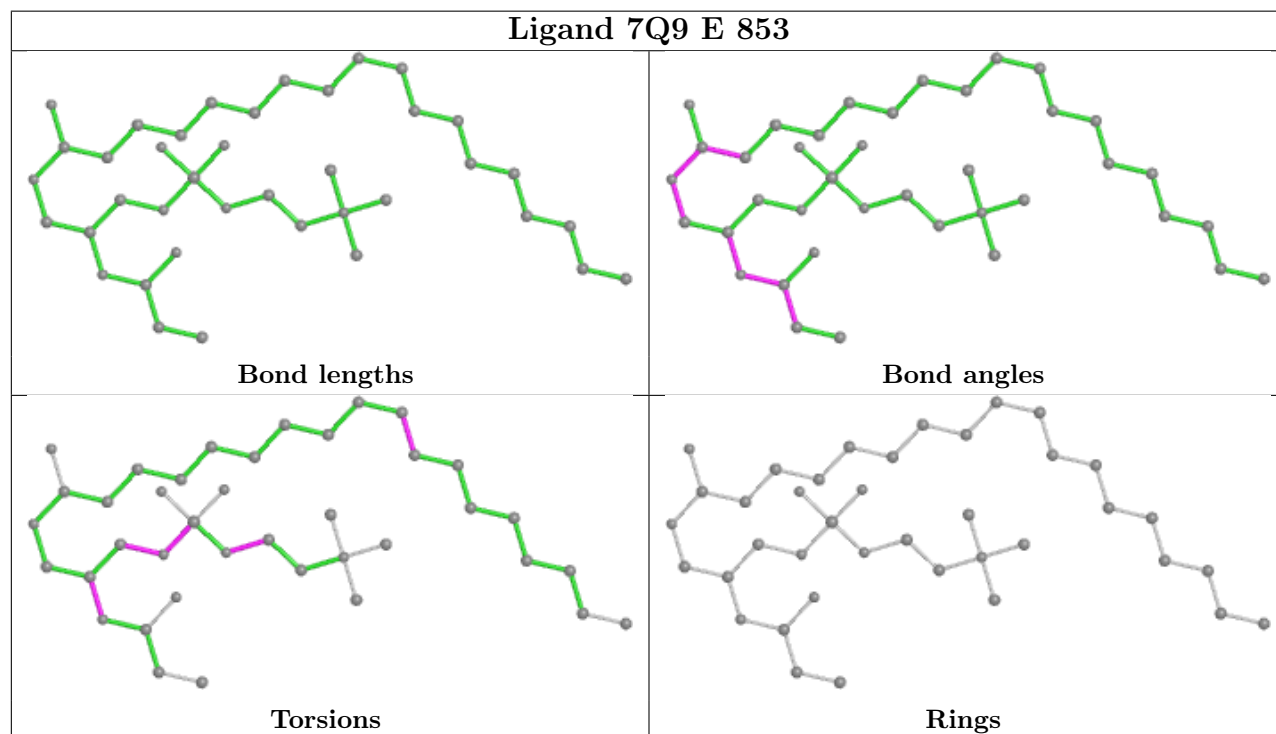
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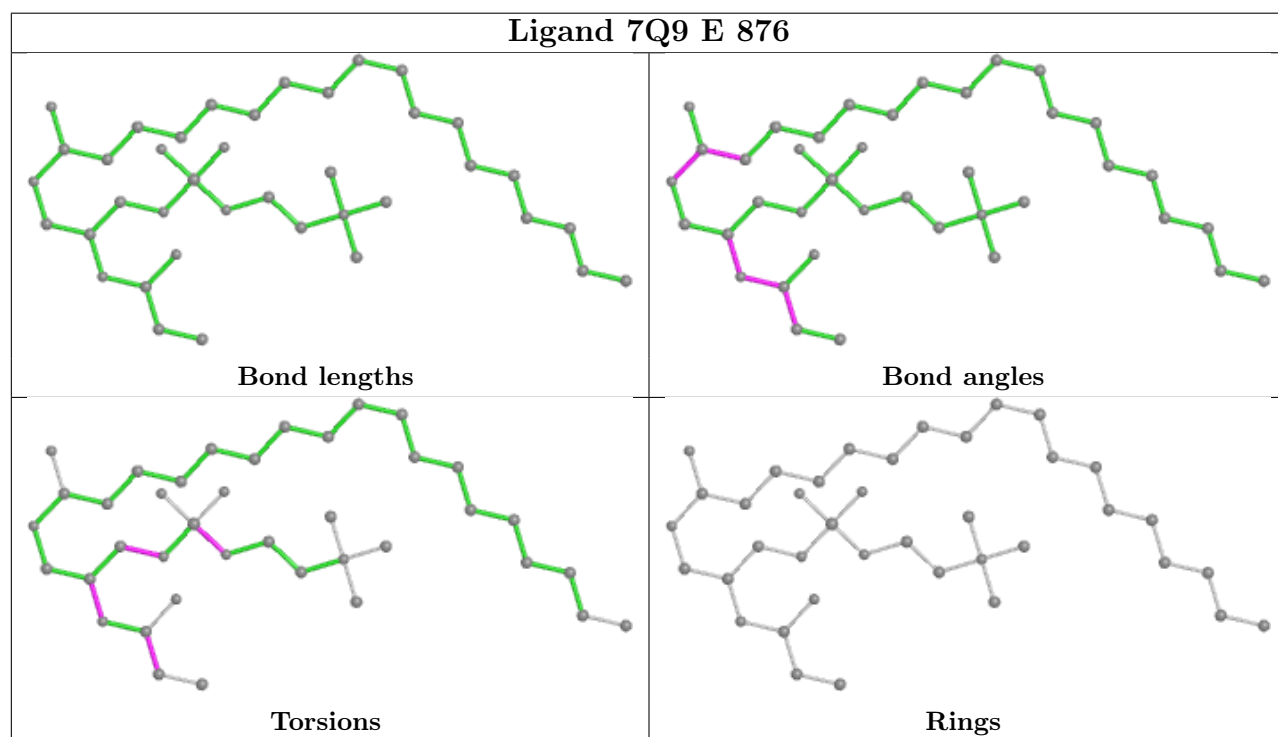
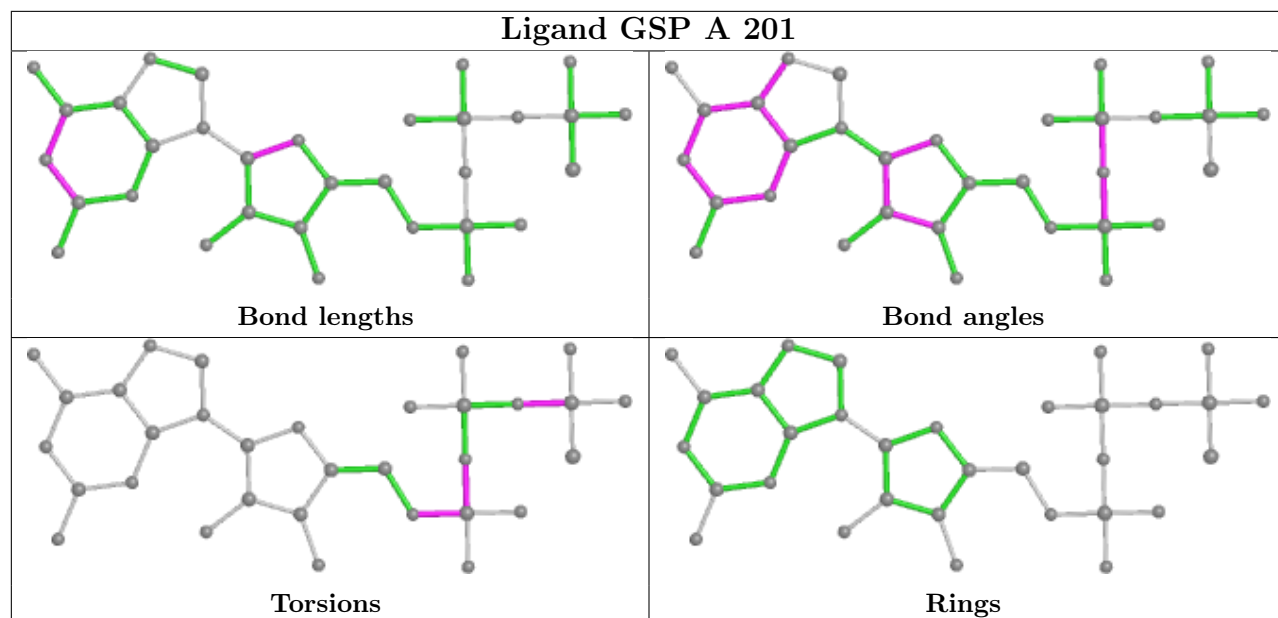


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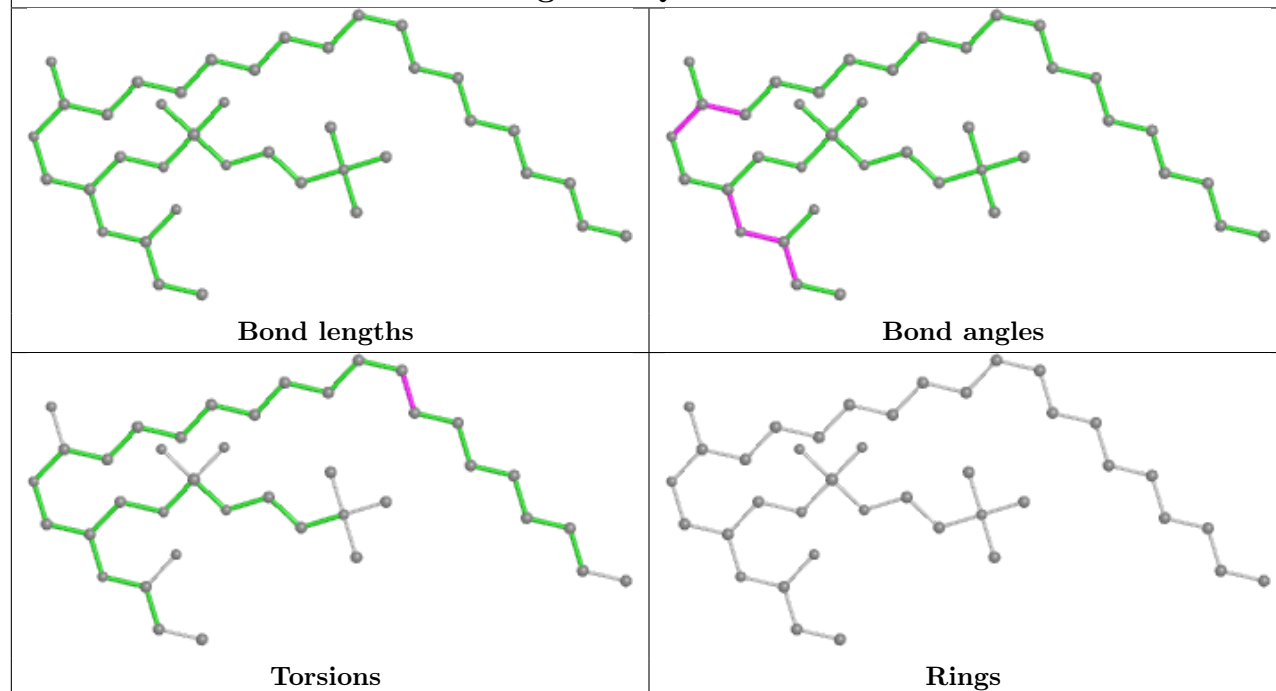


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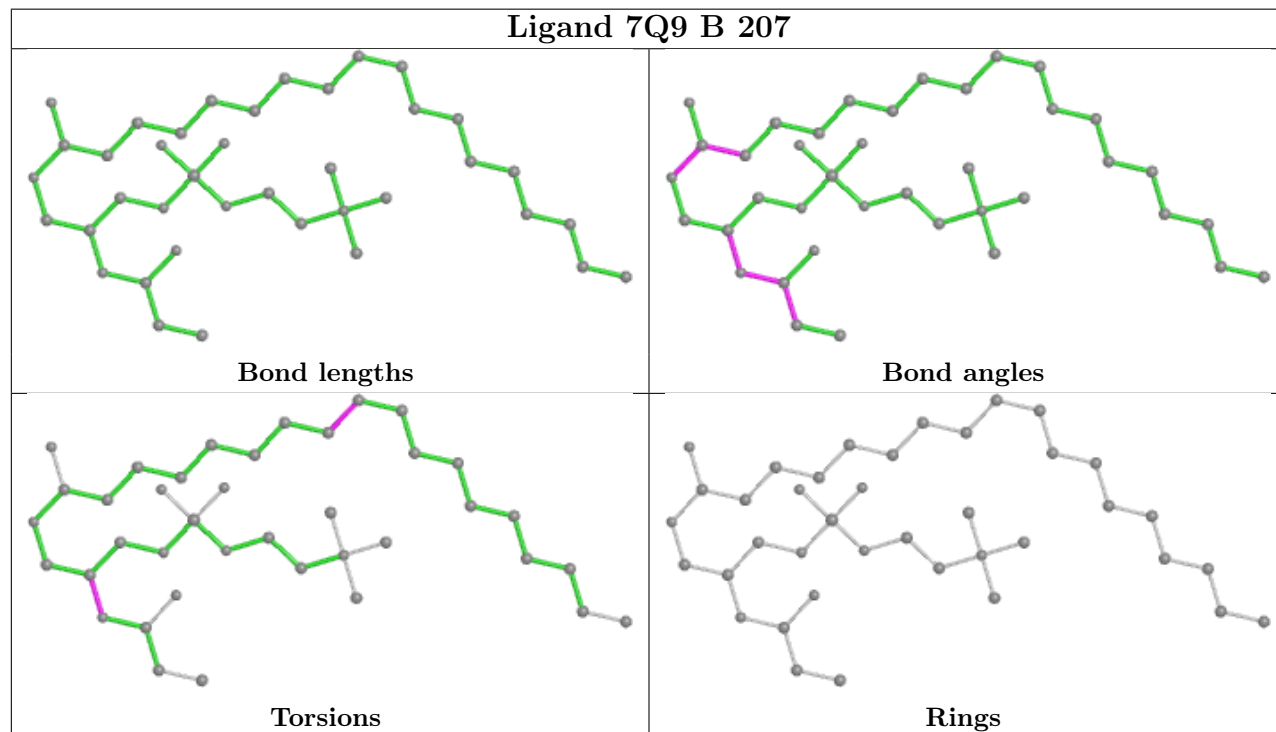




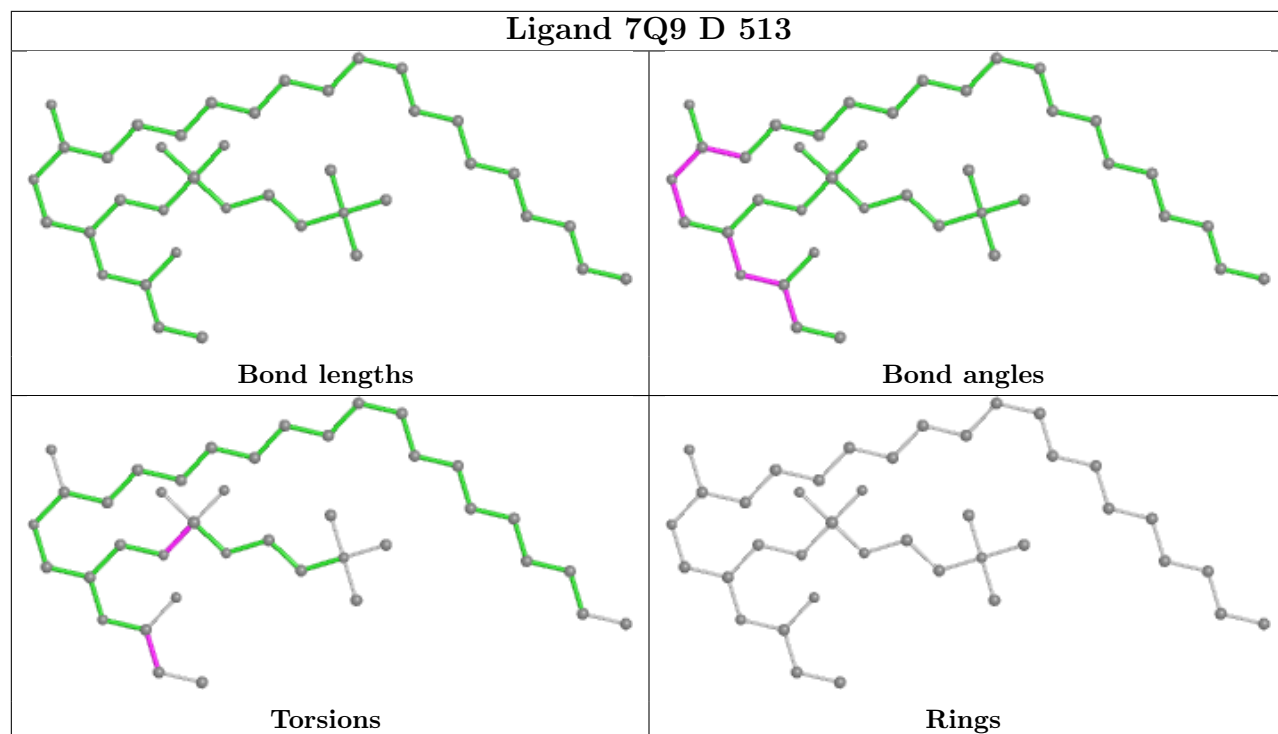
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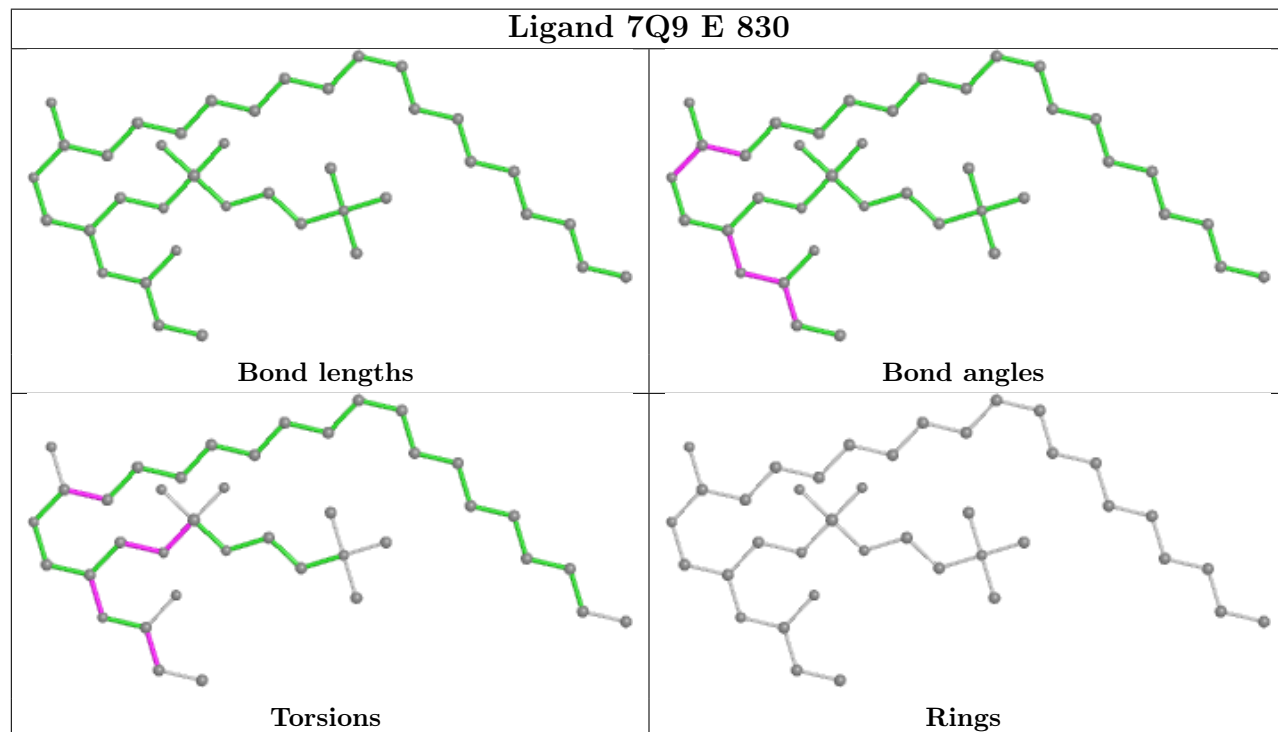
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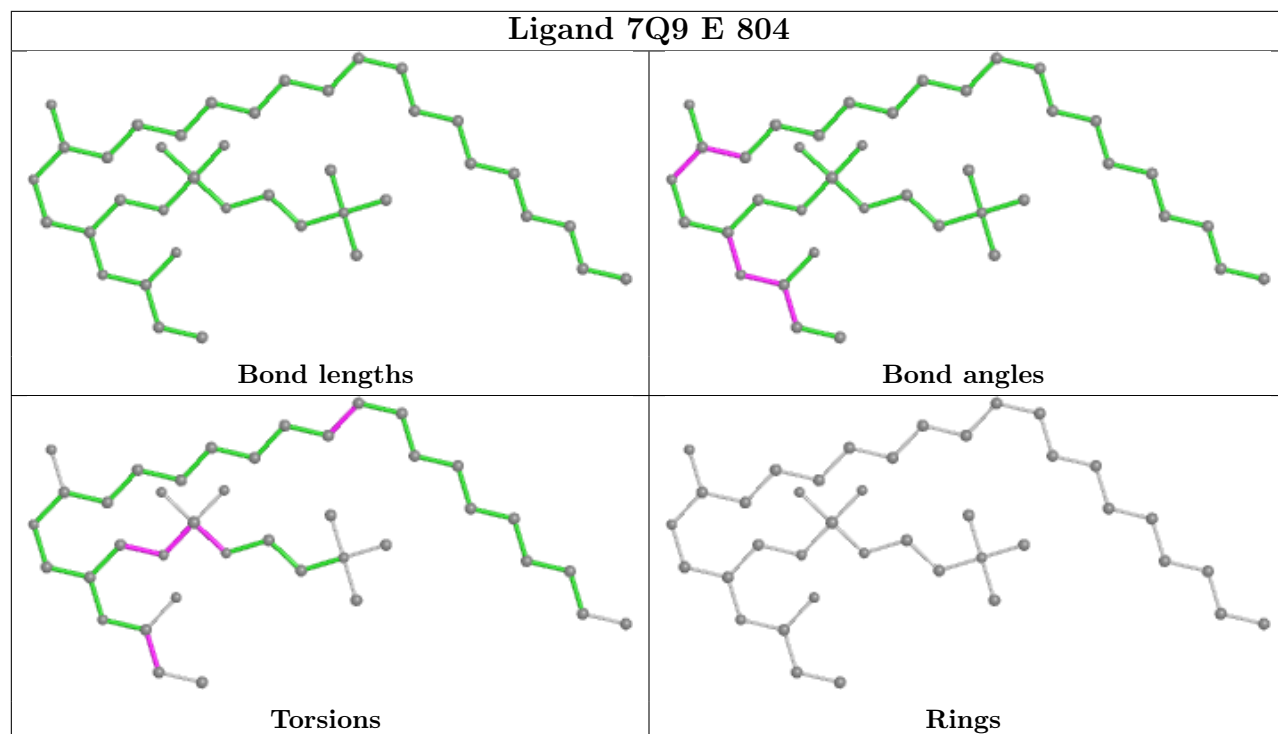
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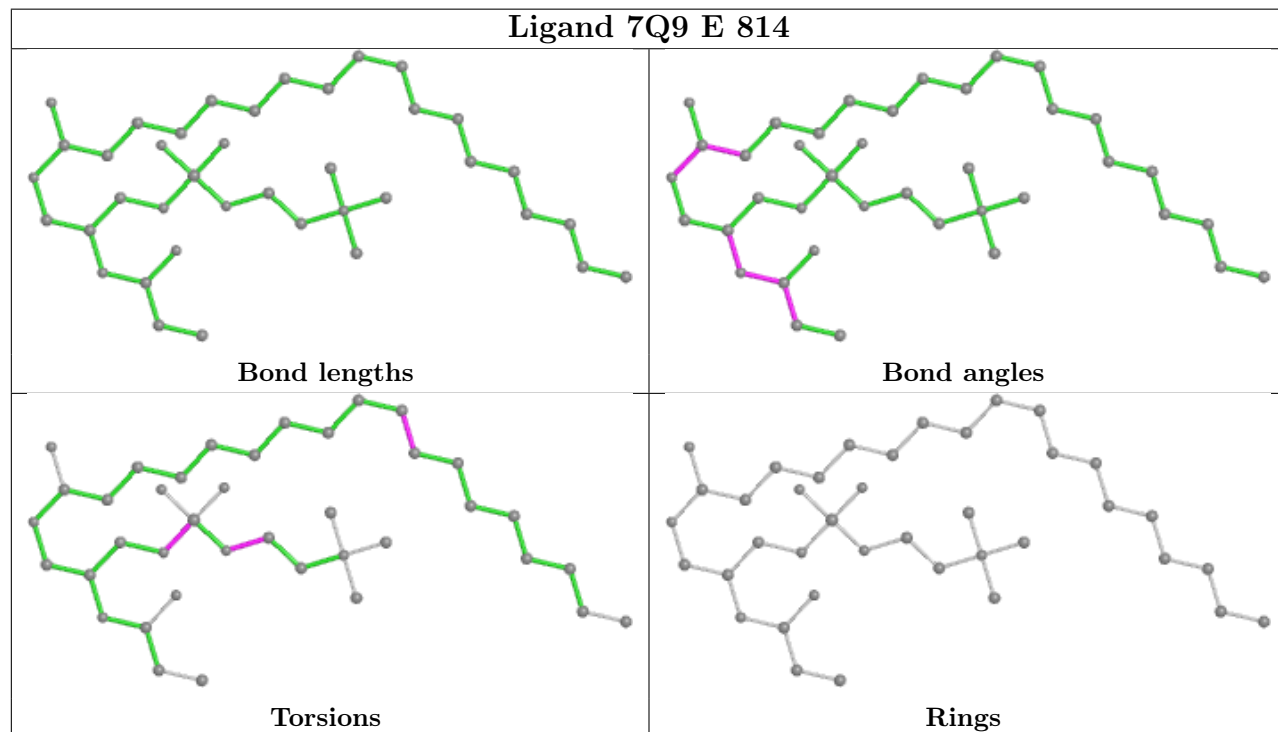
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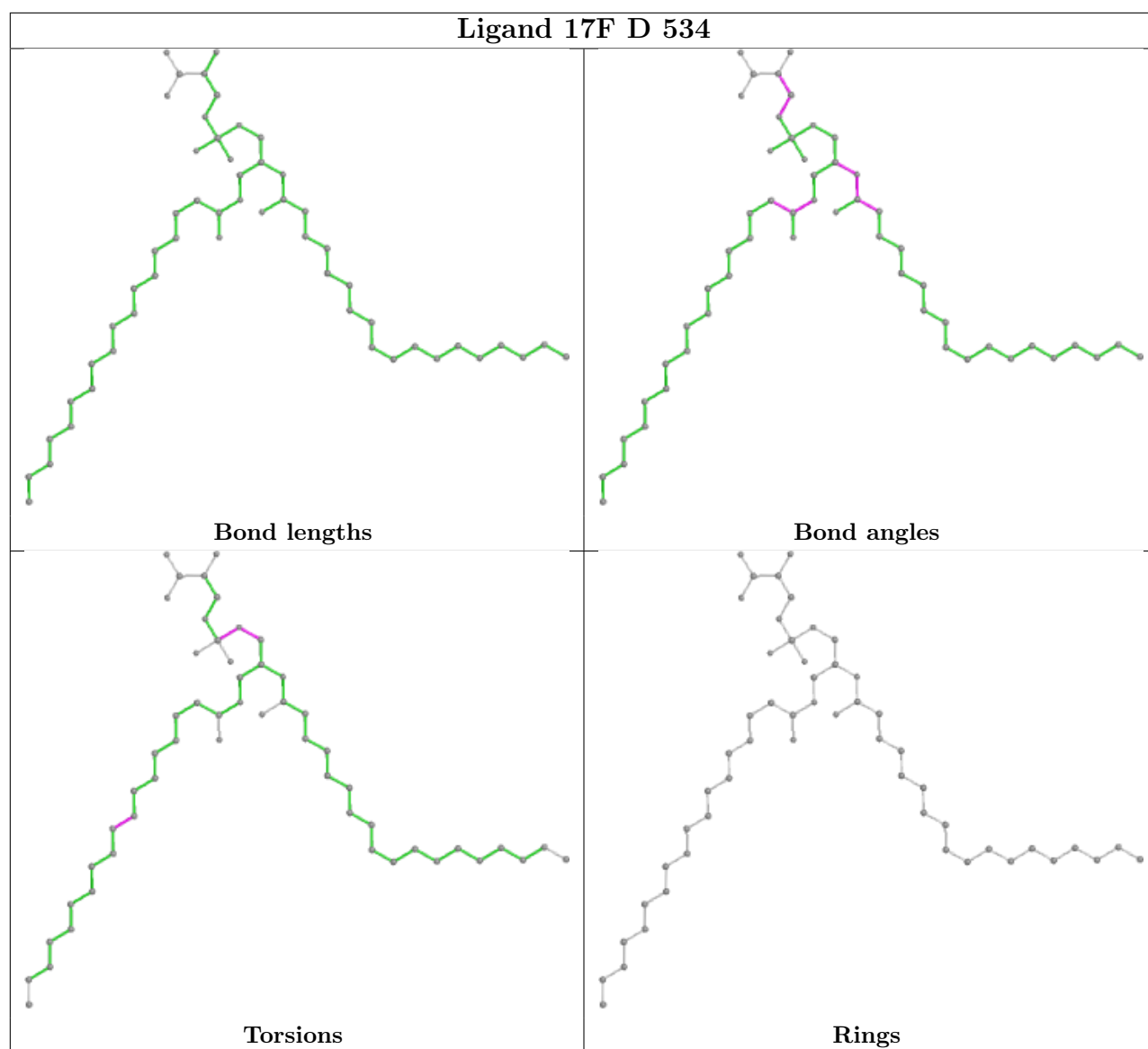


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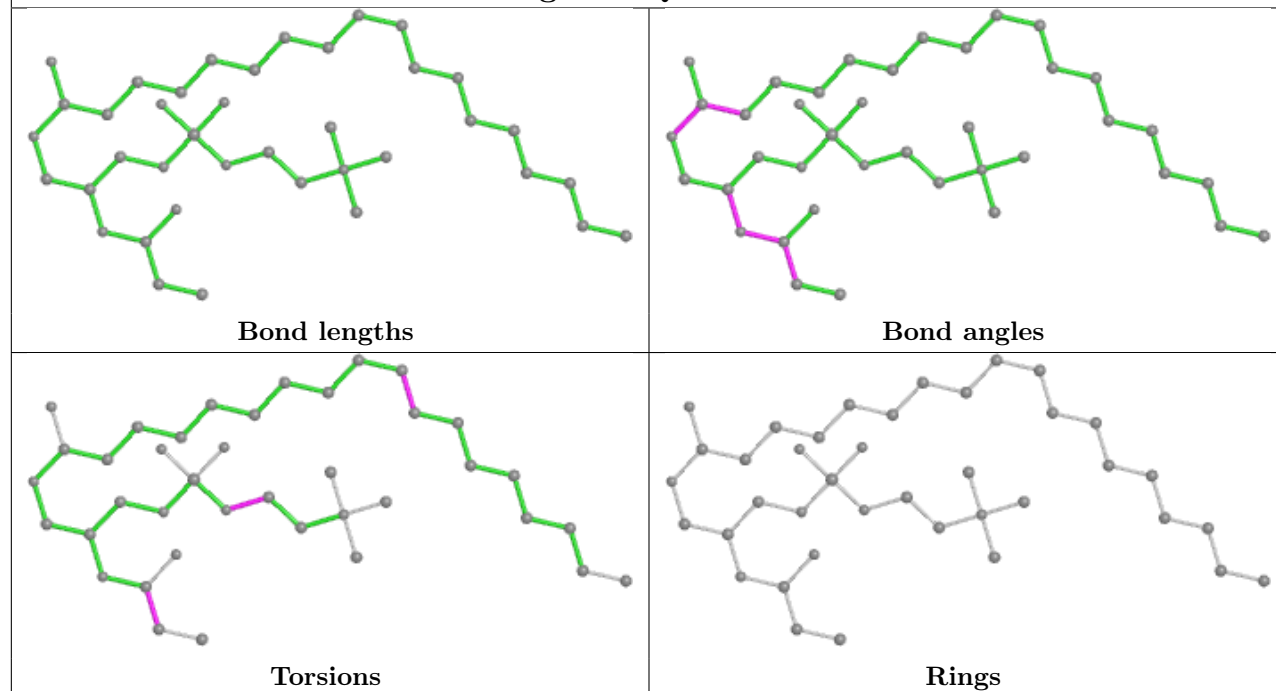


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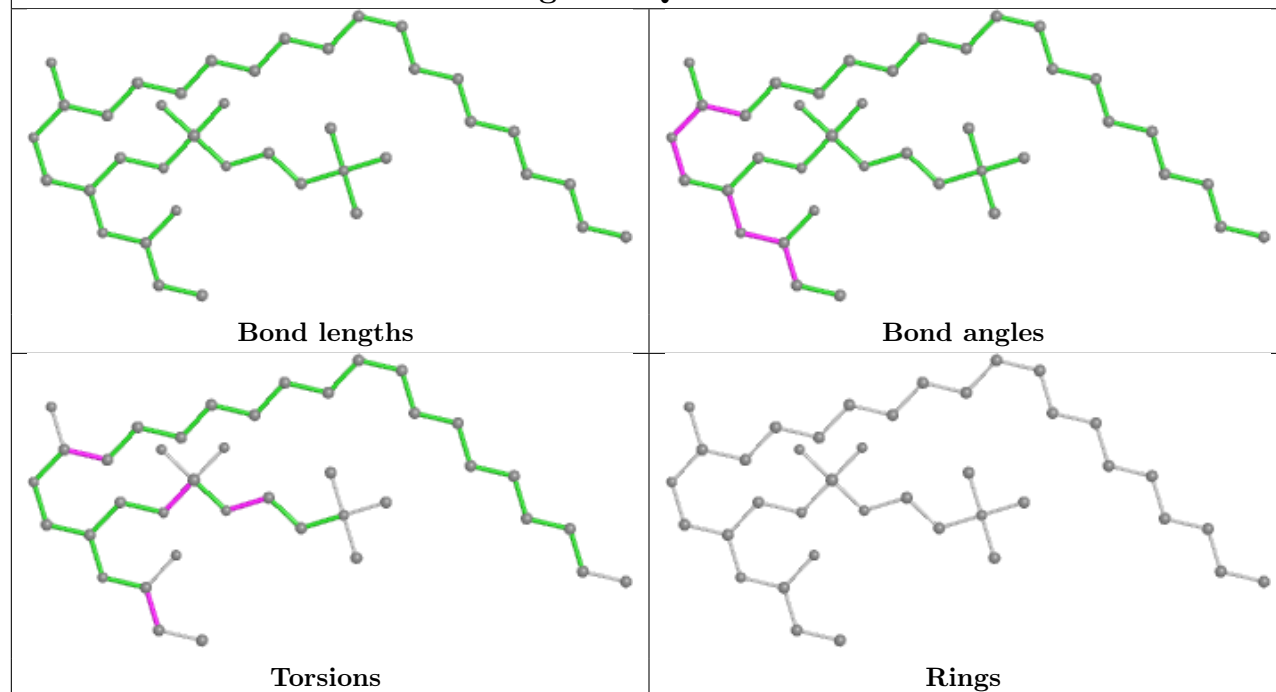




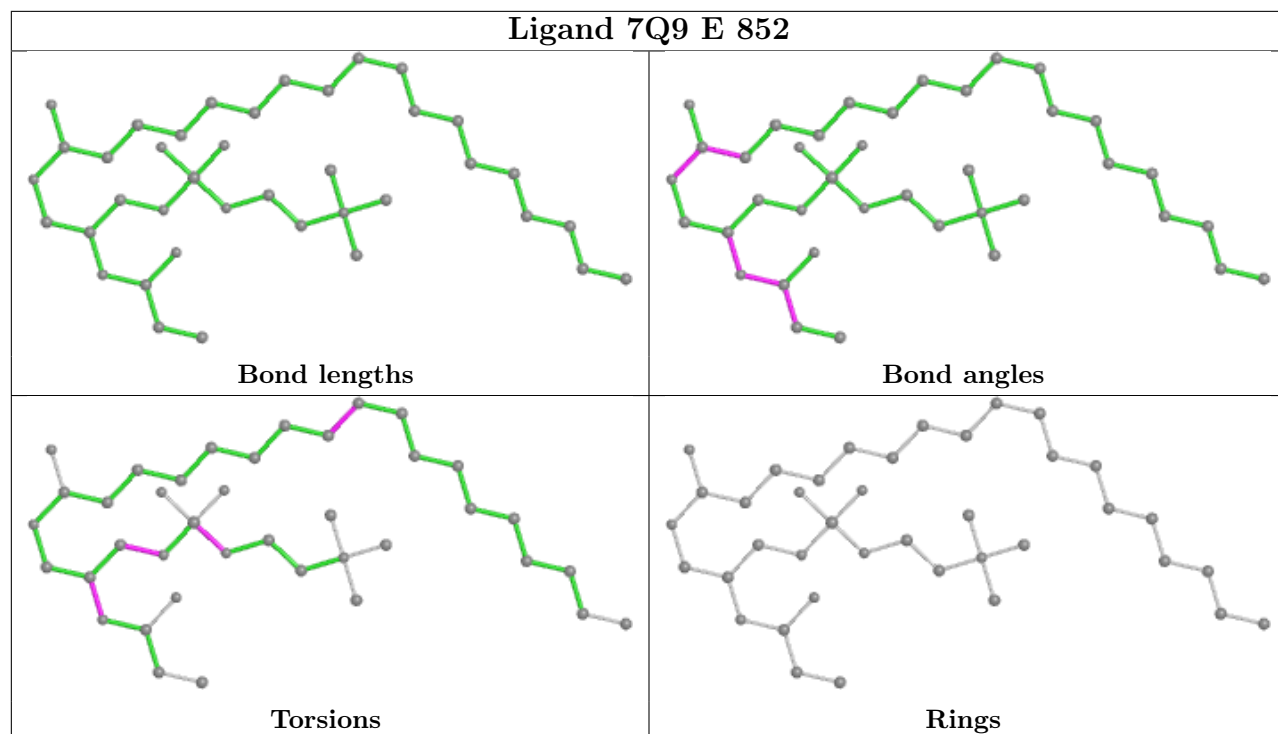
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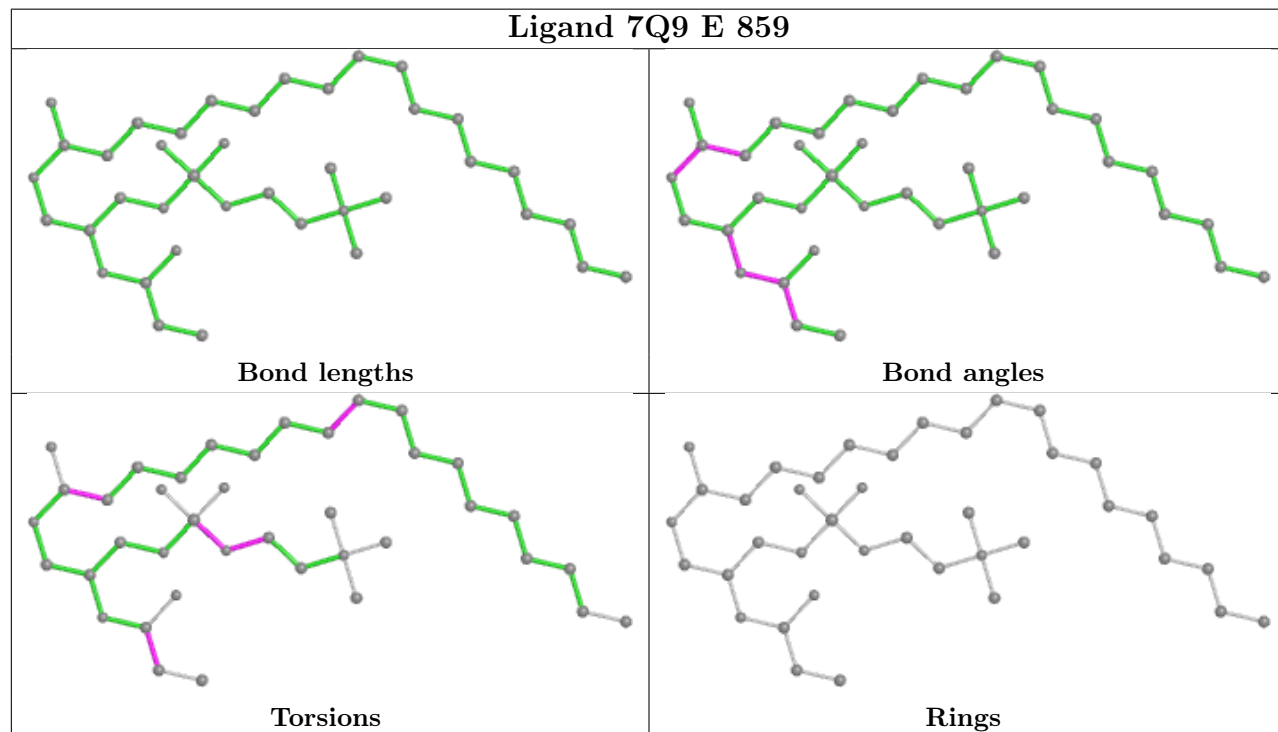
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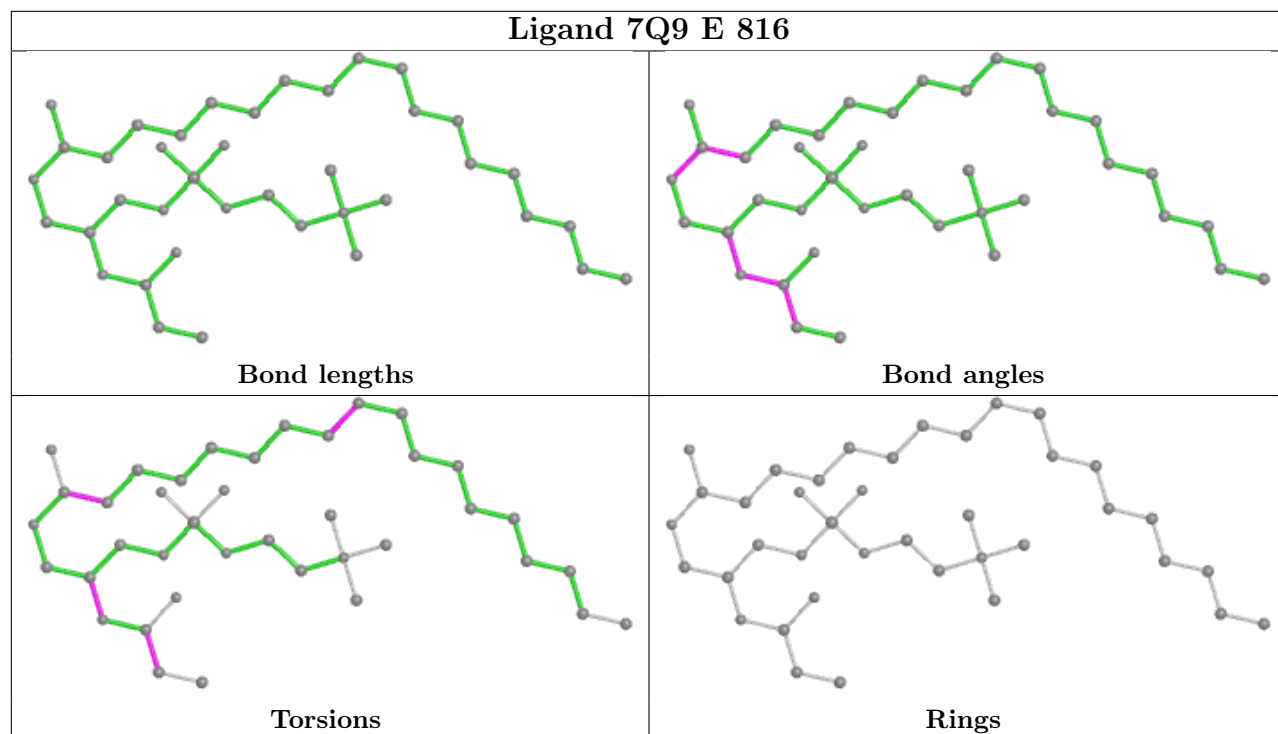
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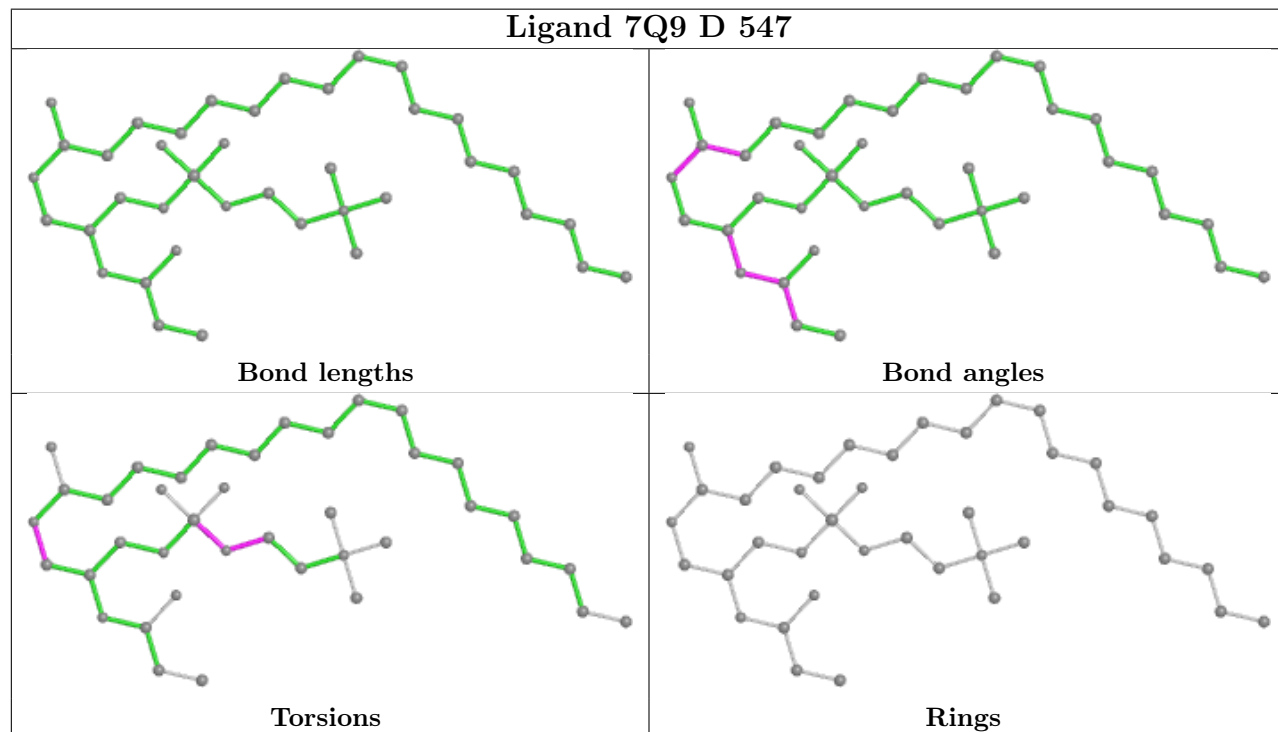
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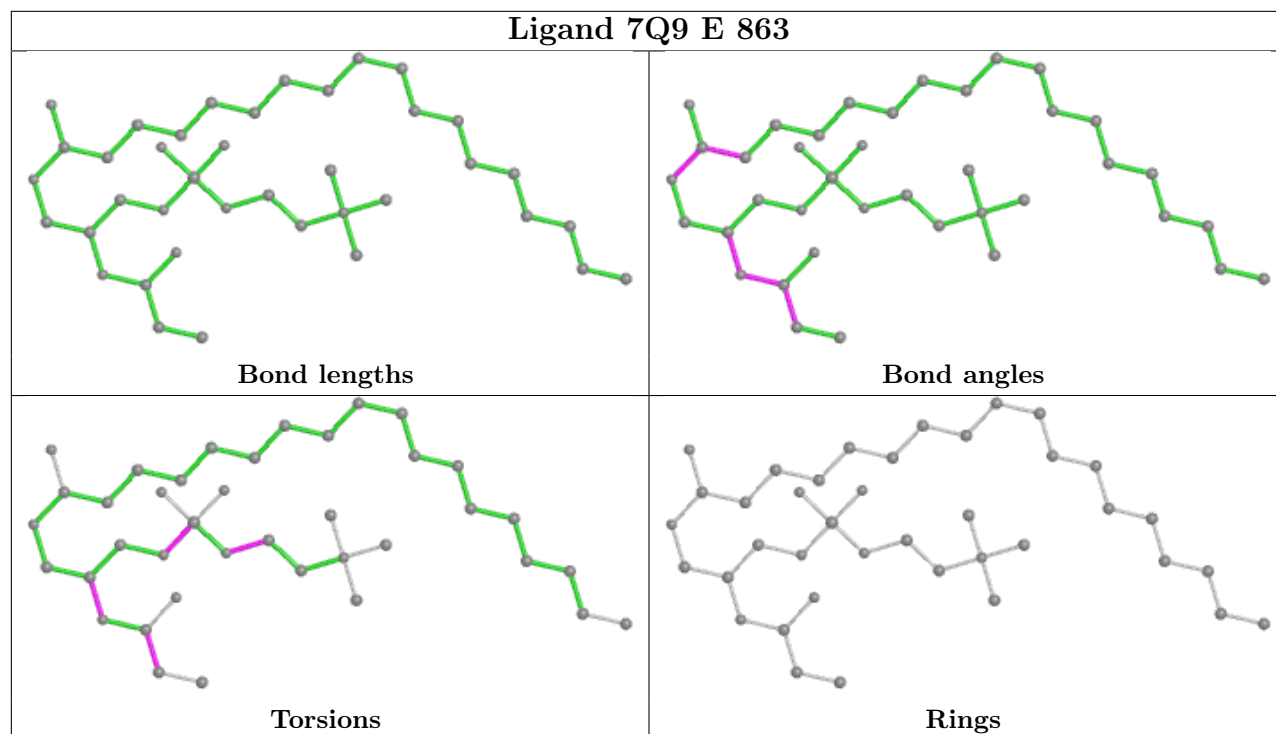
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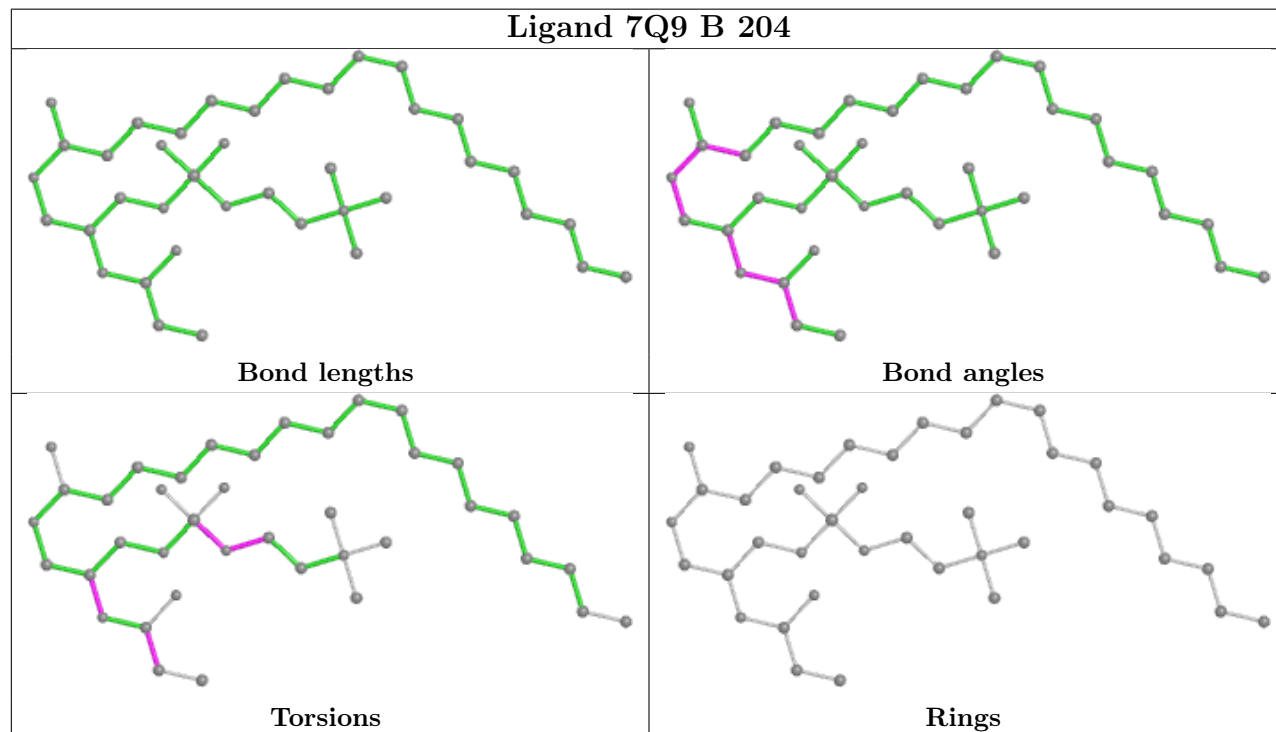
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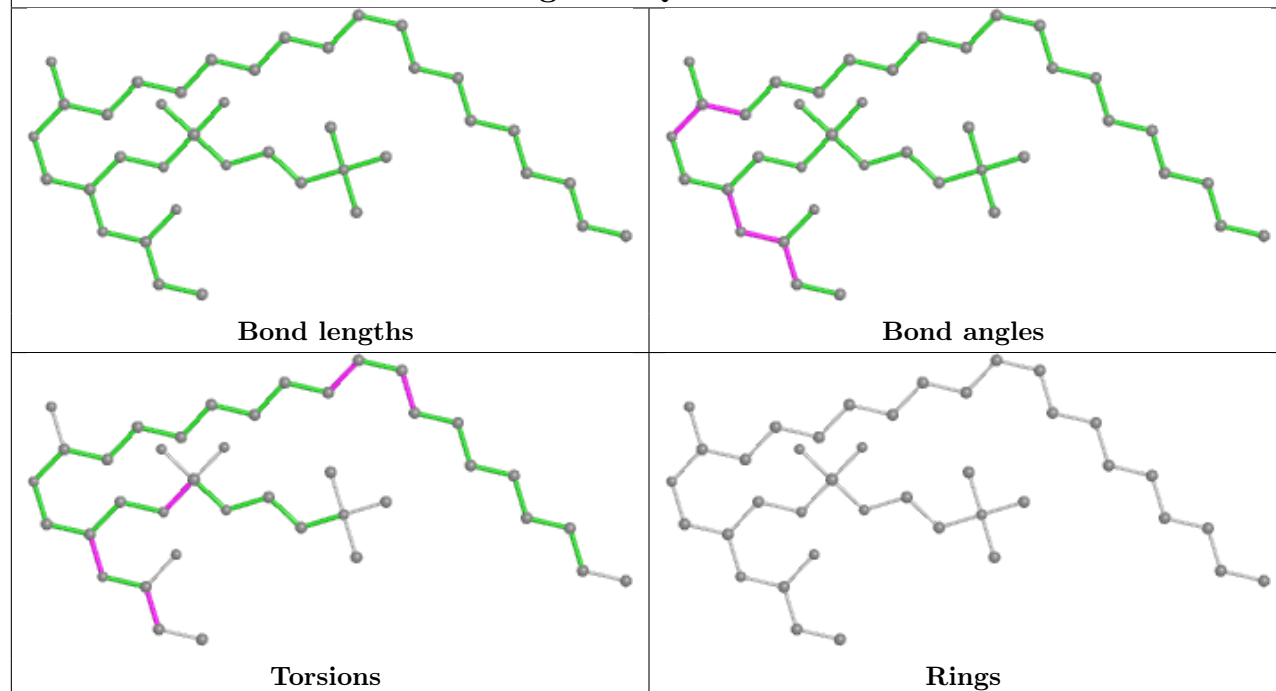
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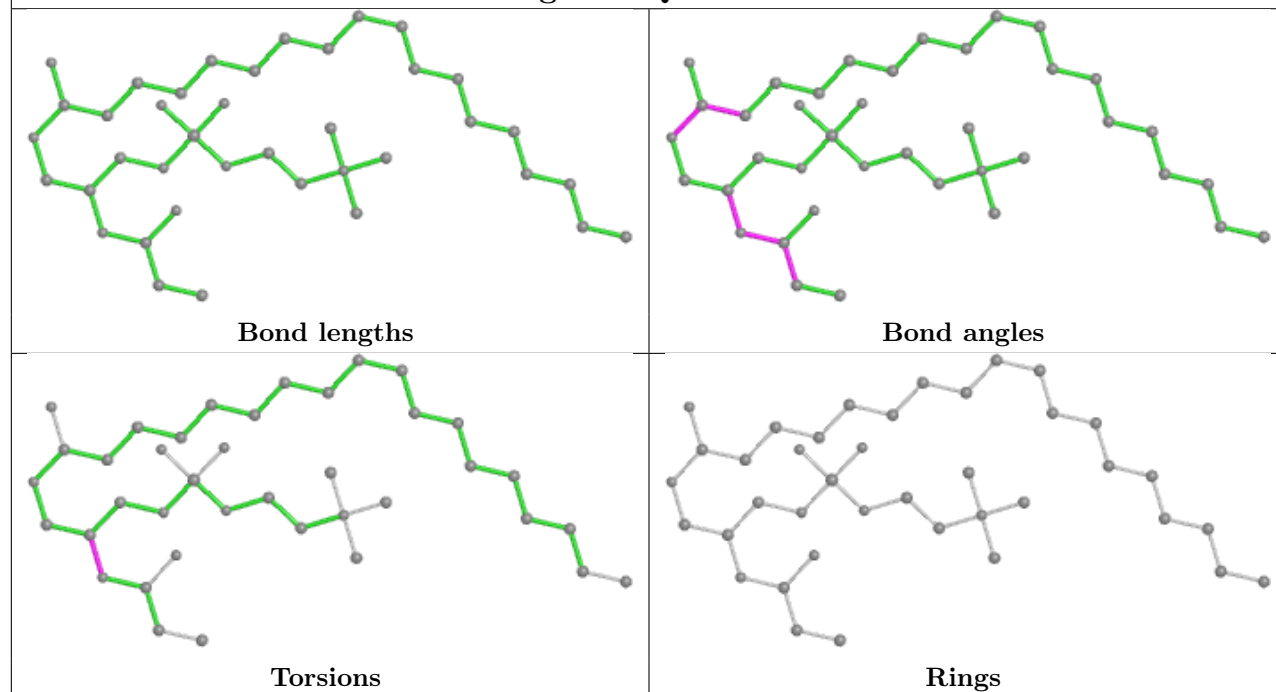
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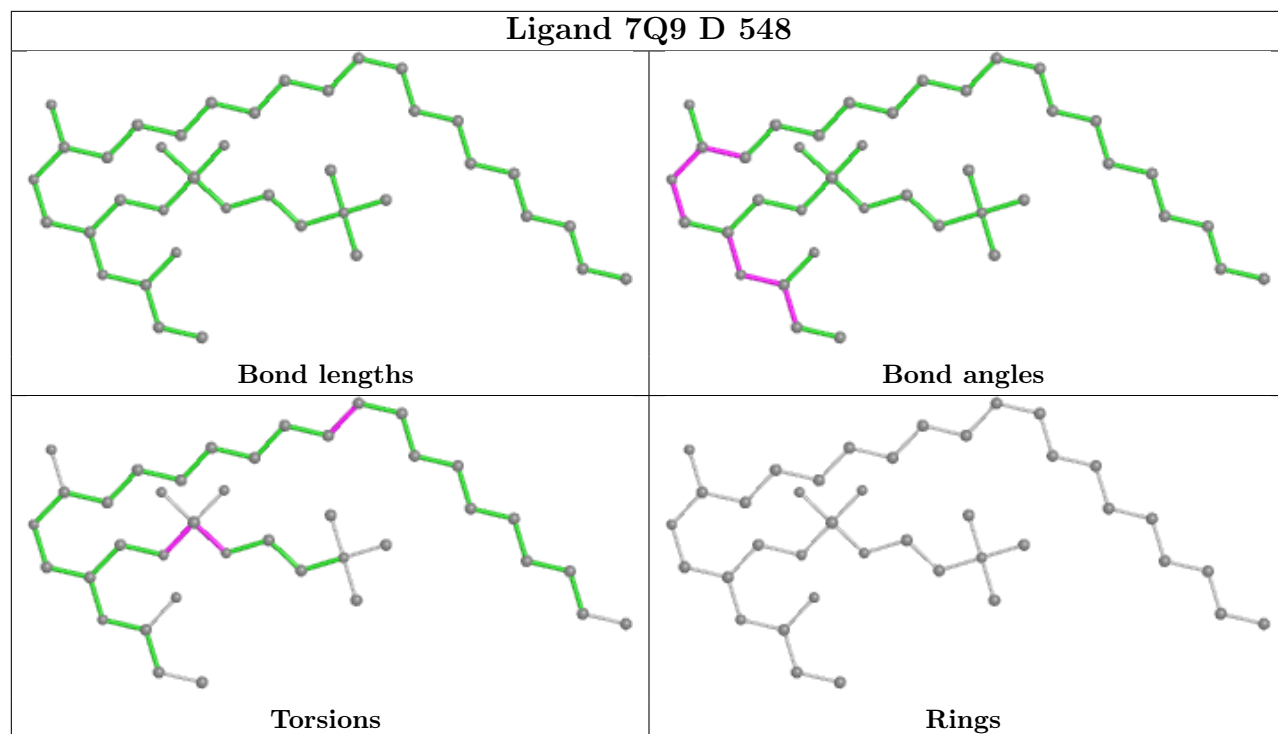
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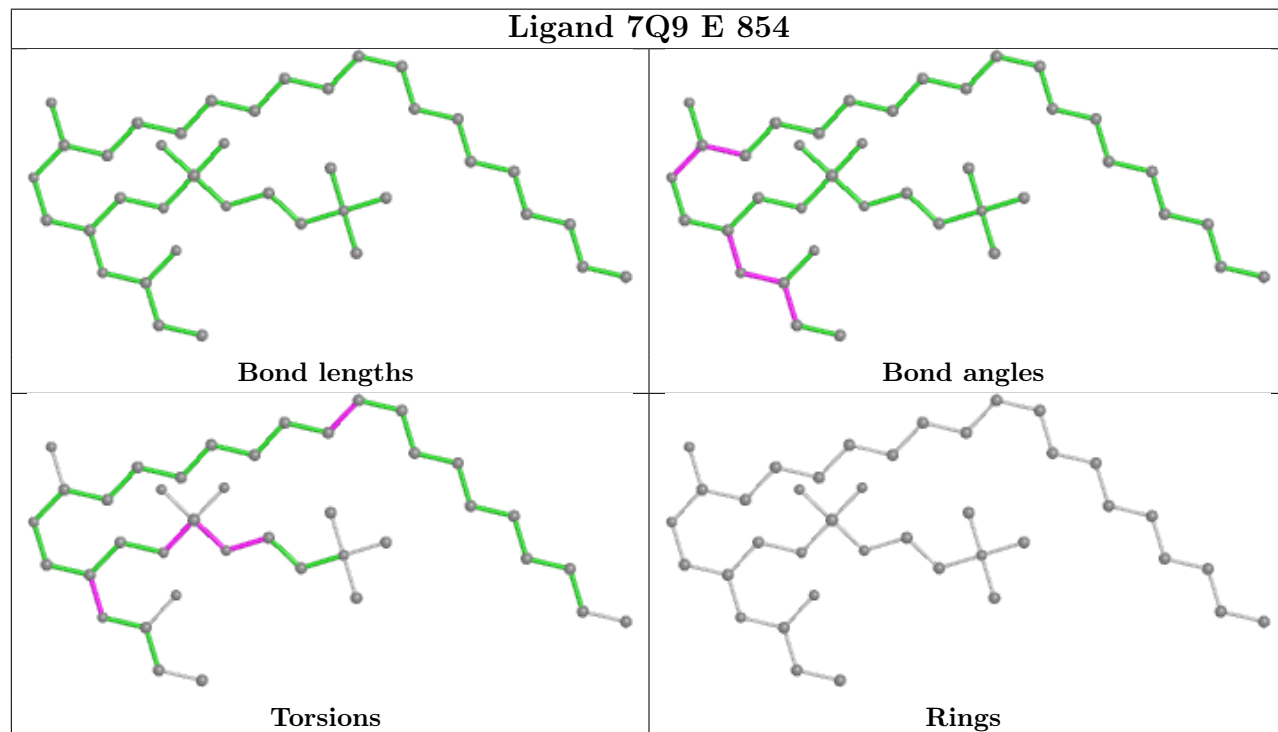
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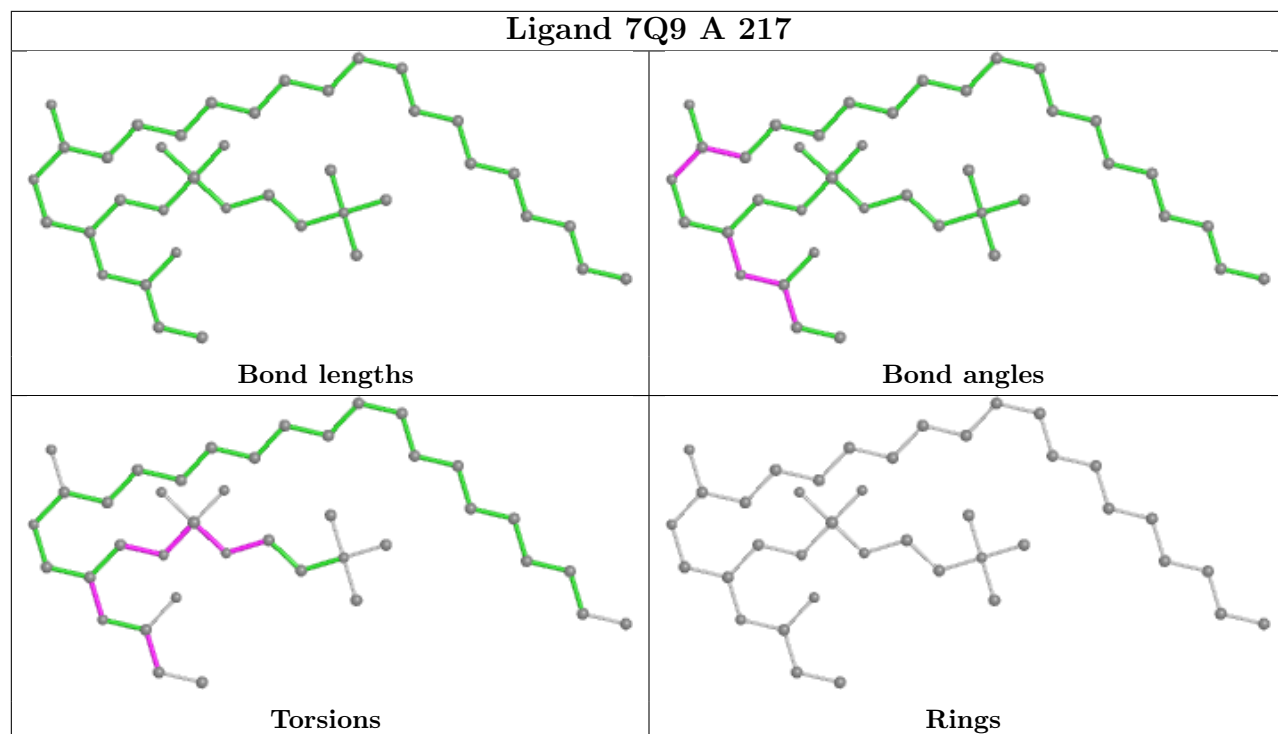
Ligand 7Q9 D 548



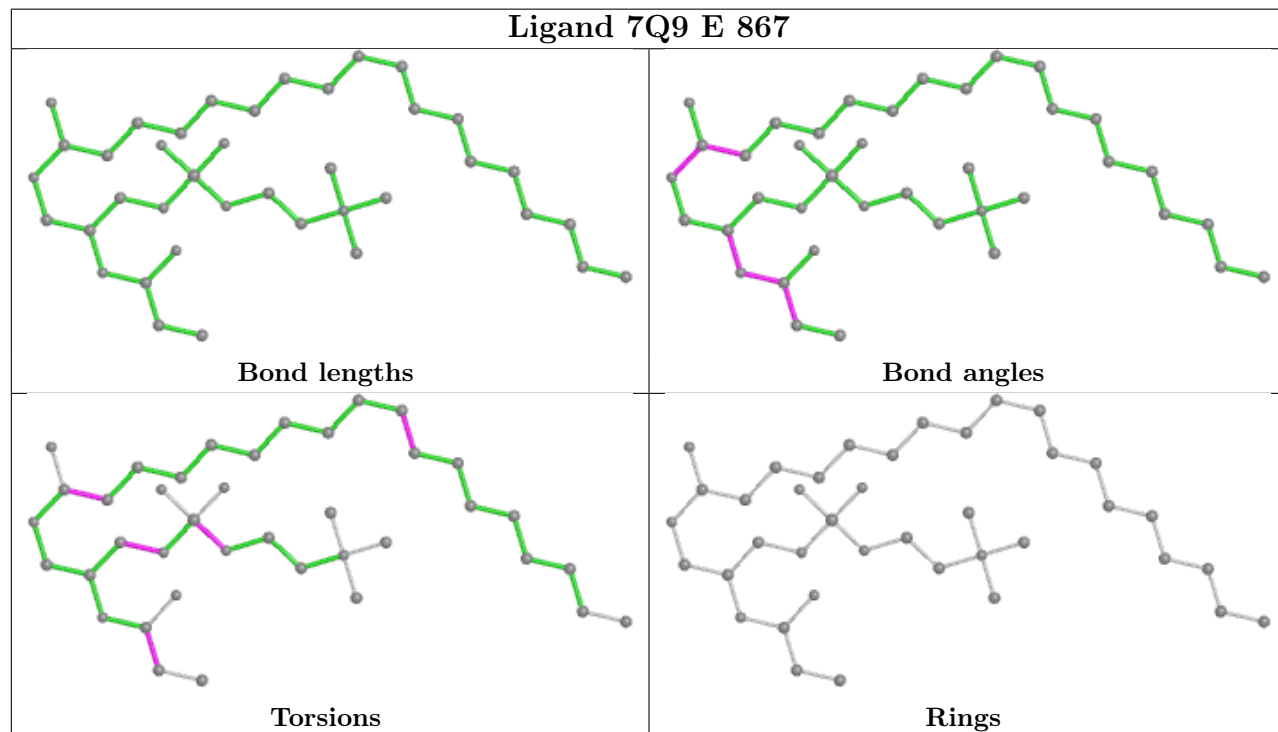
Ligand 7Q9 E 854

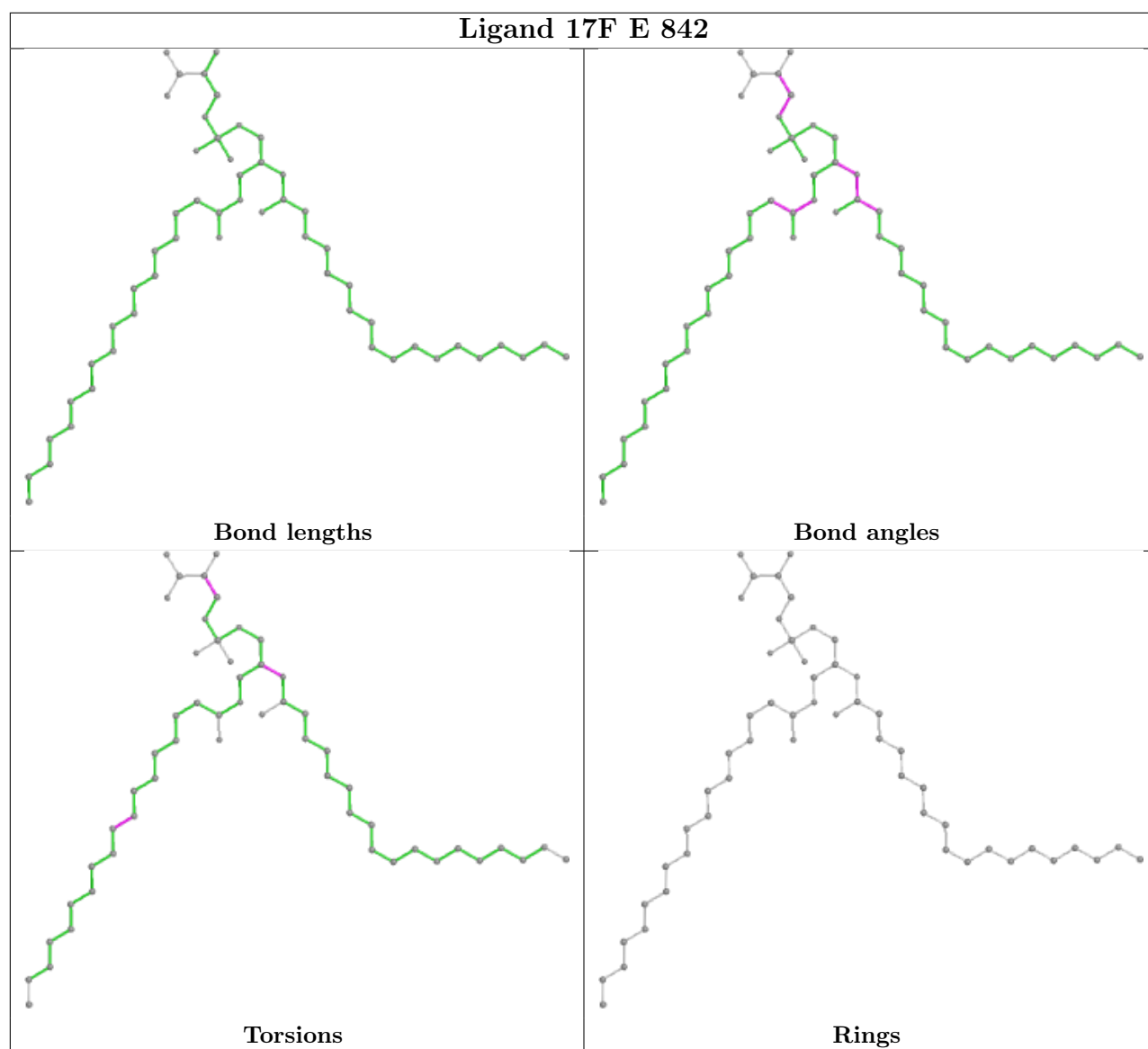


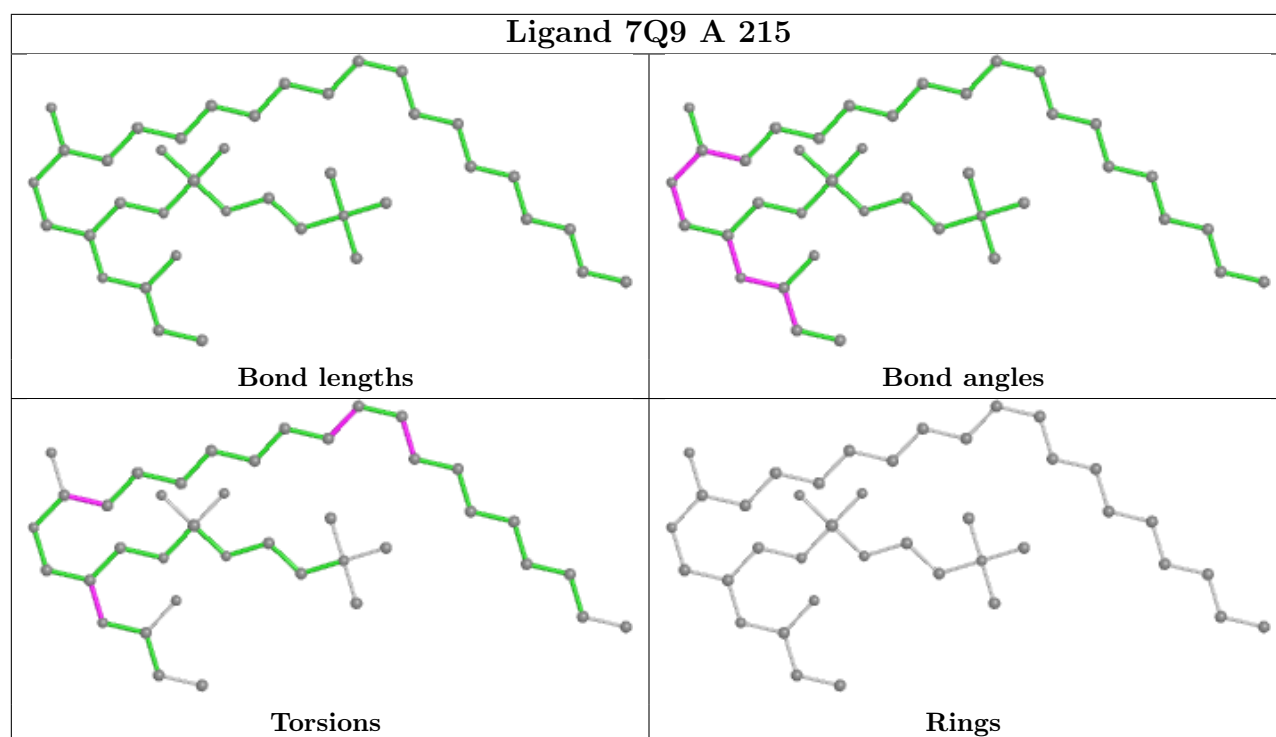
Ligand 7Q9 A 217

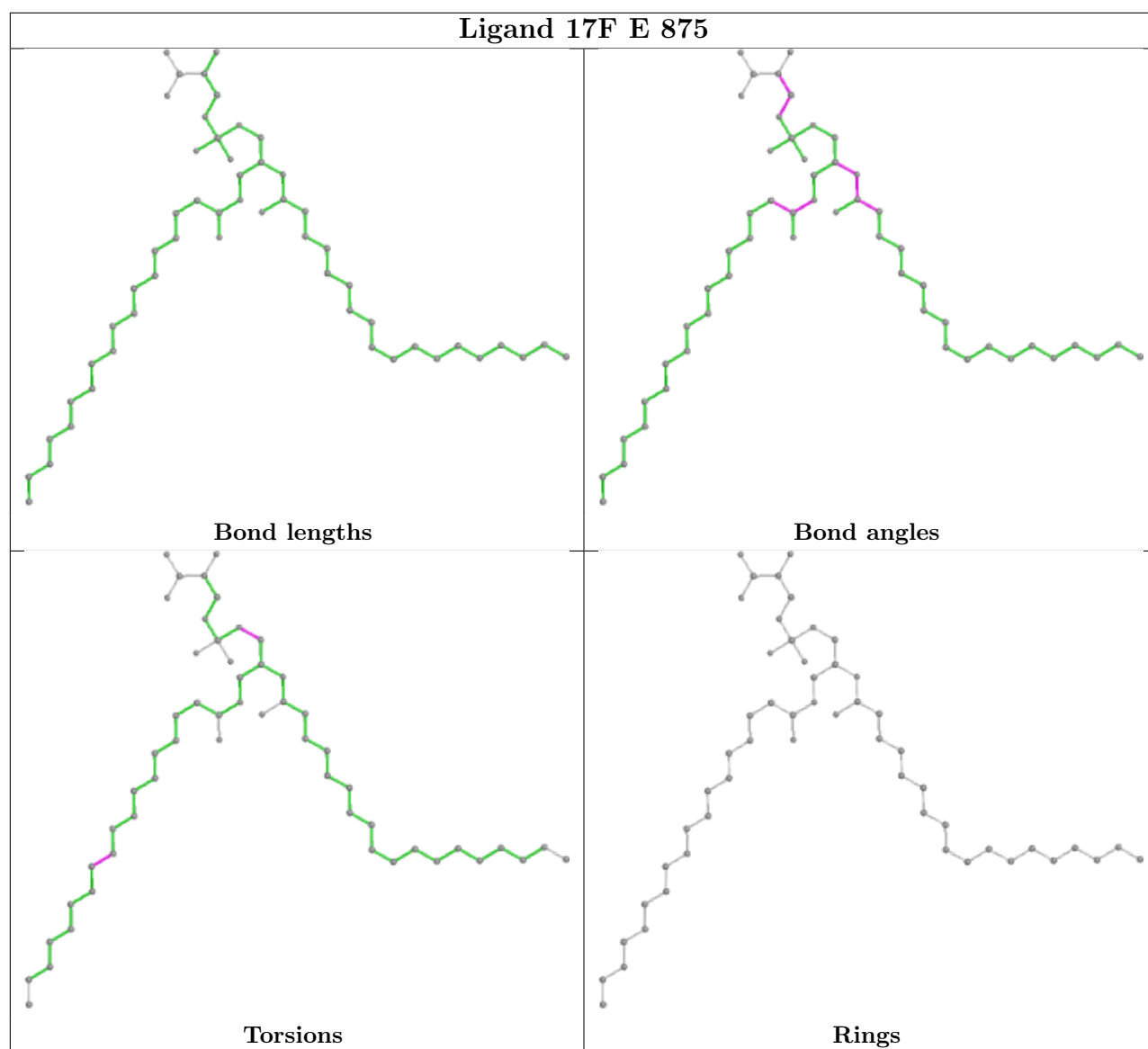


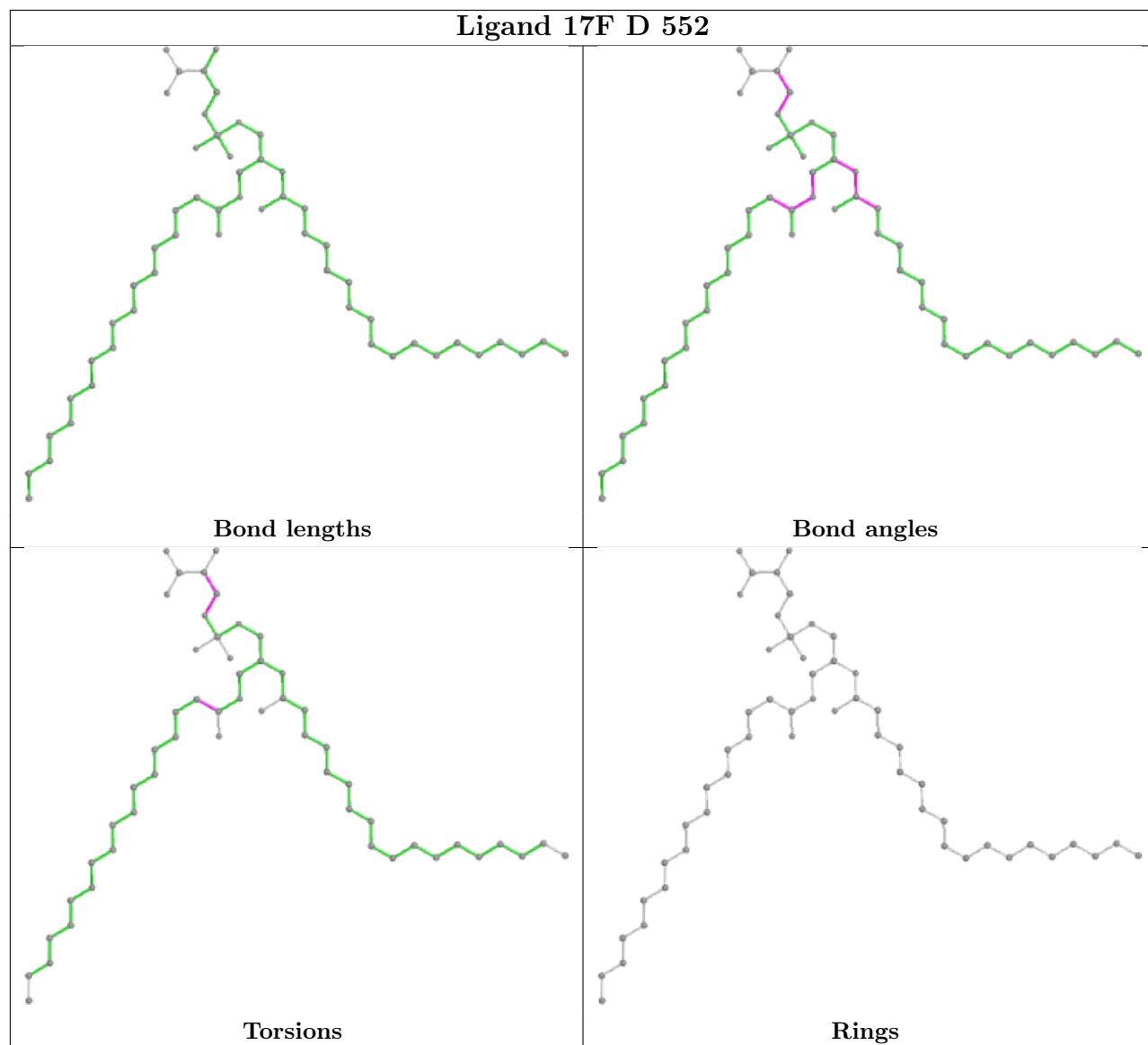
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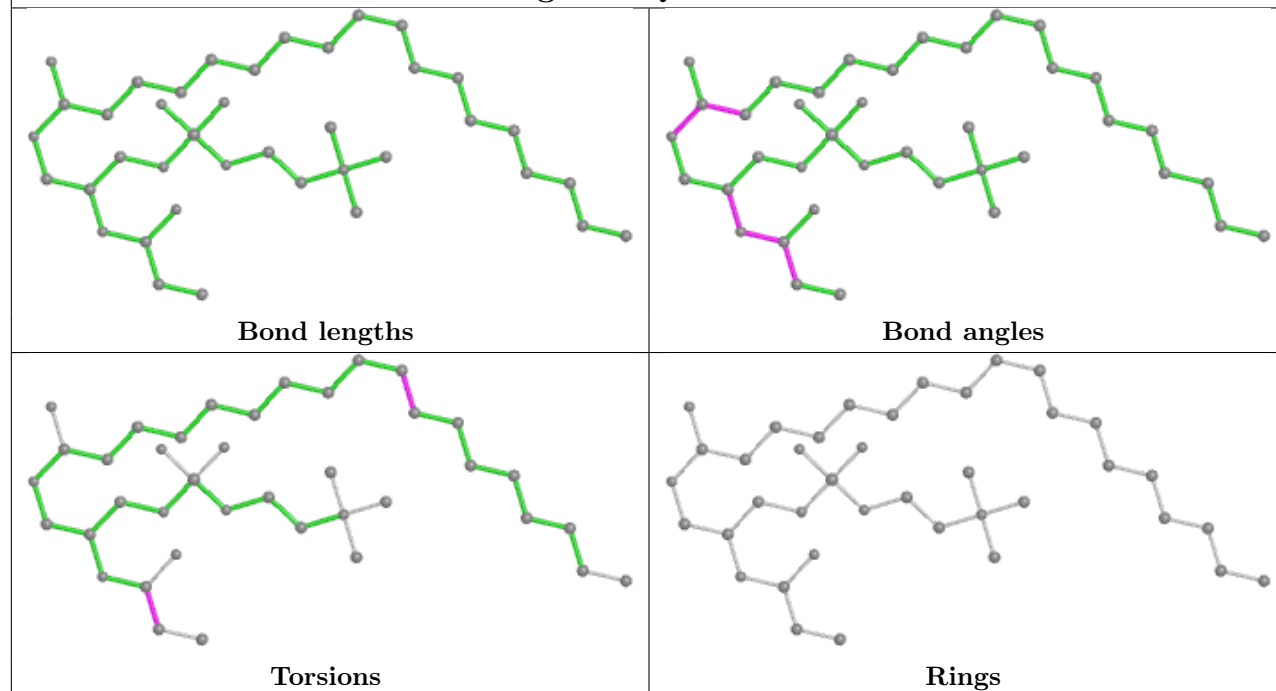




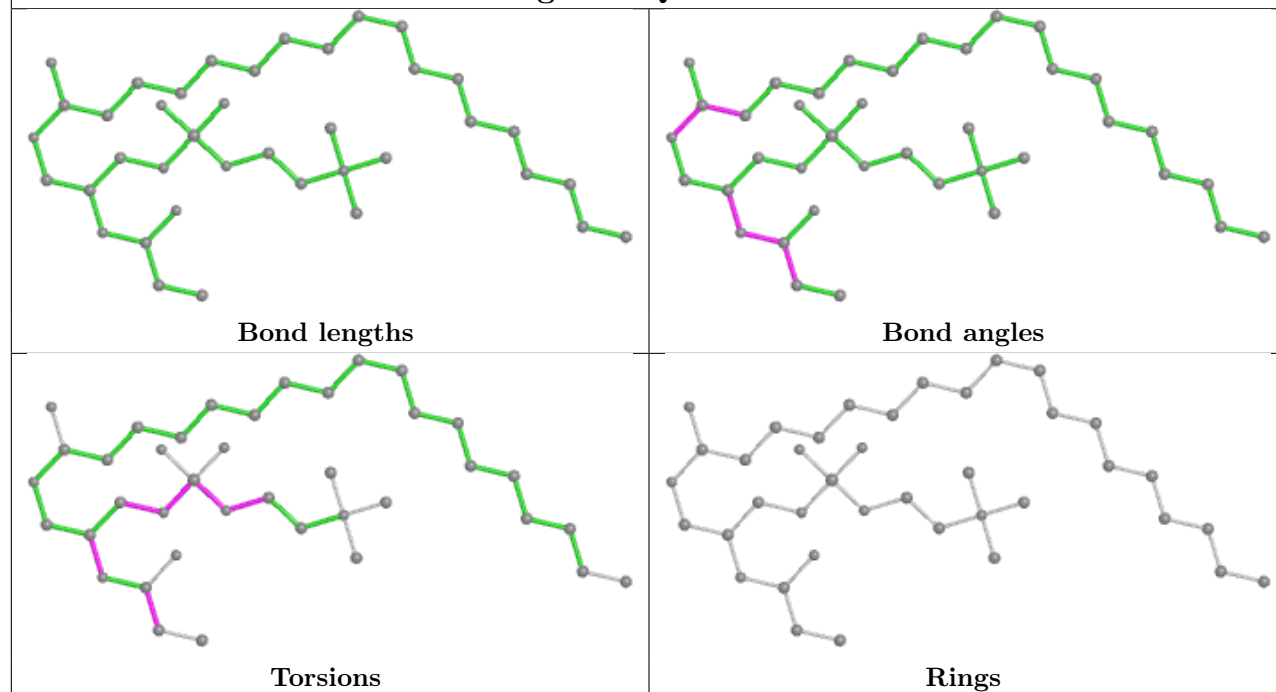




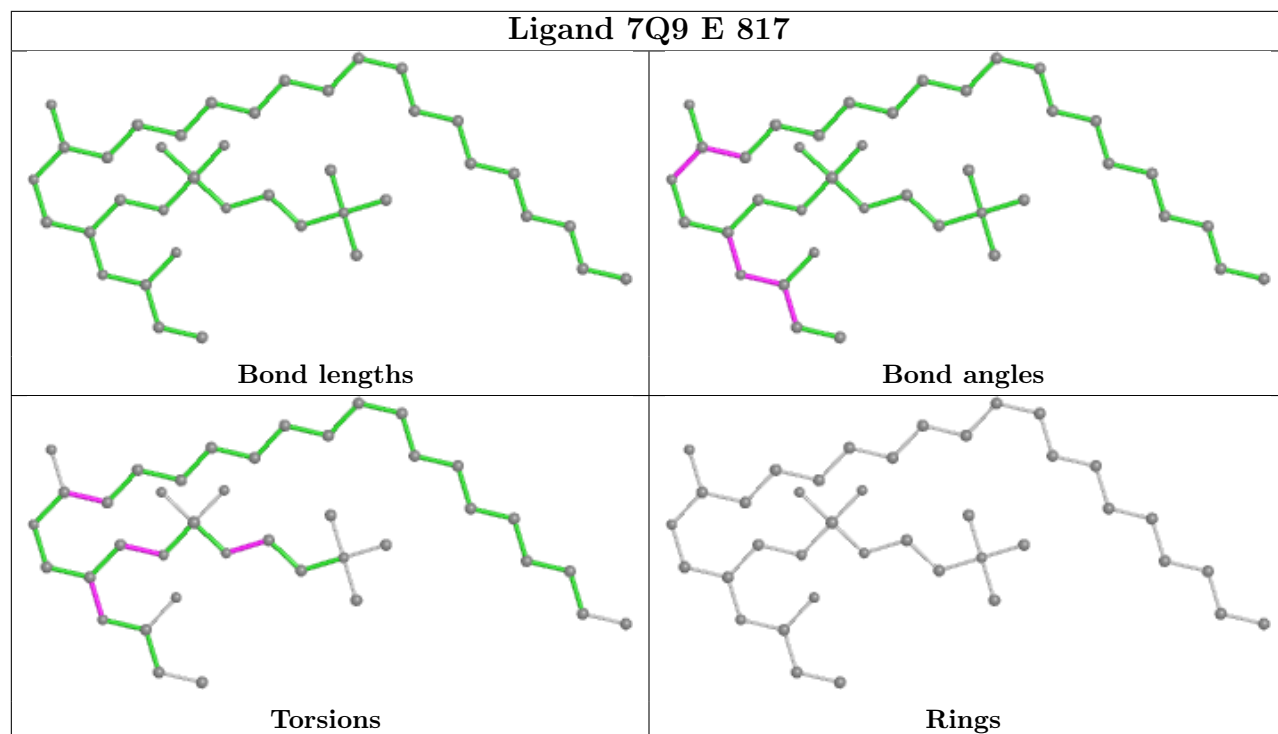
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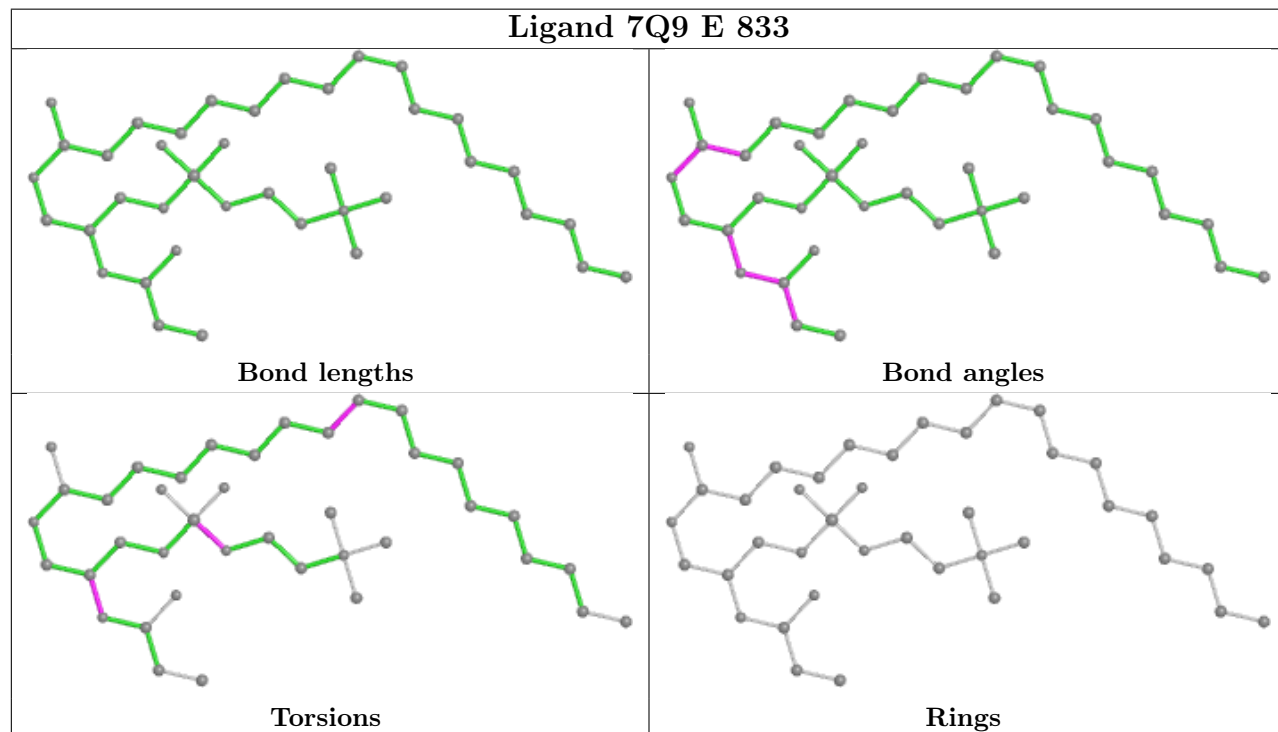
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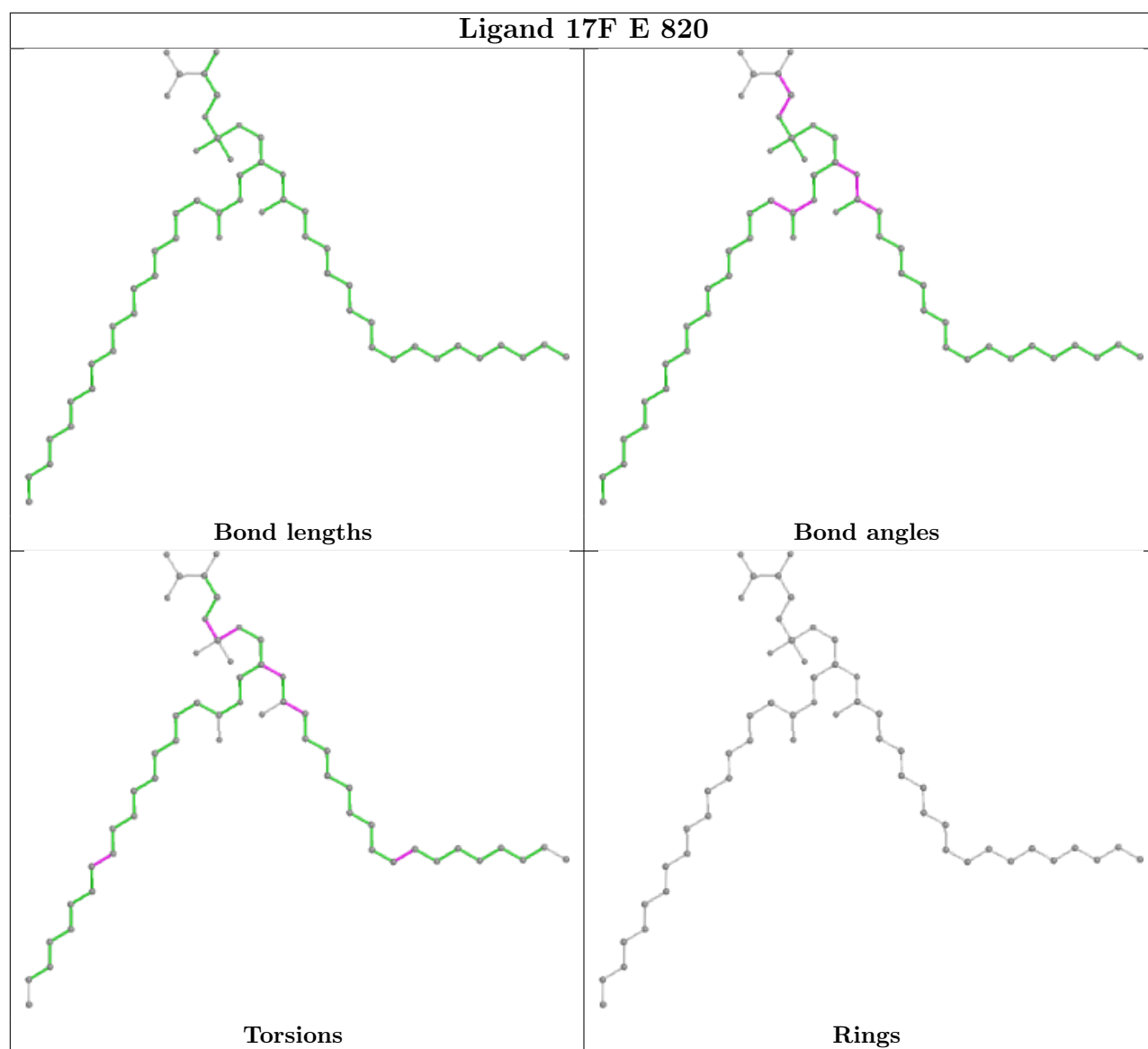


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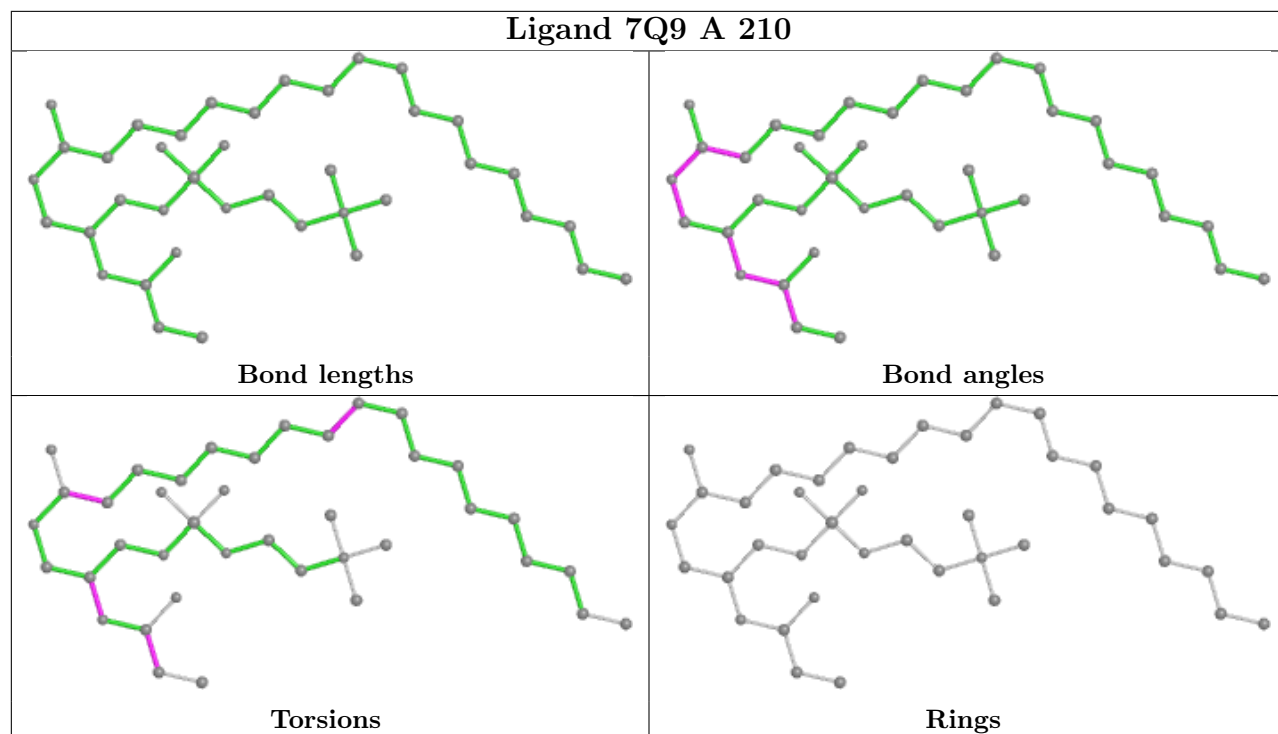


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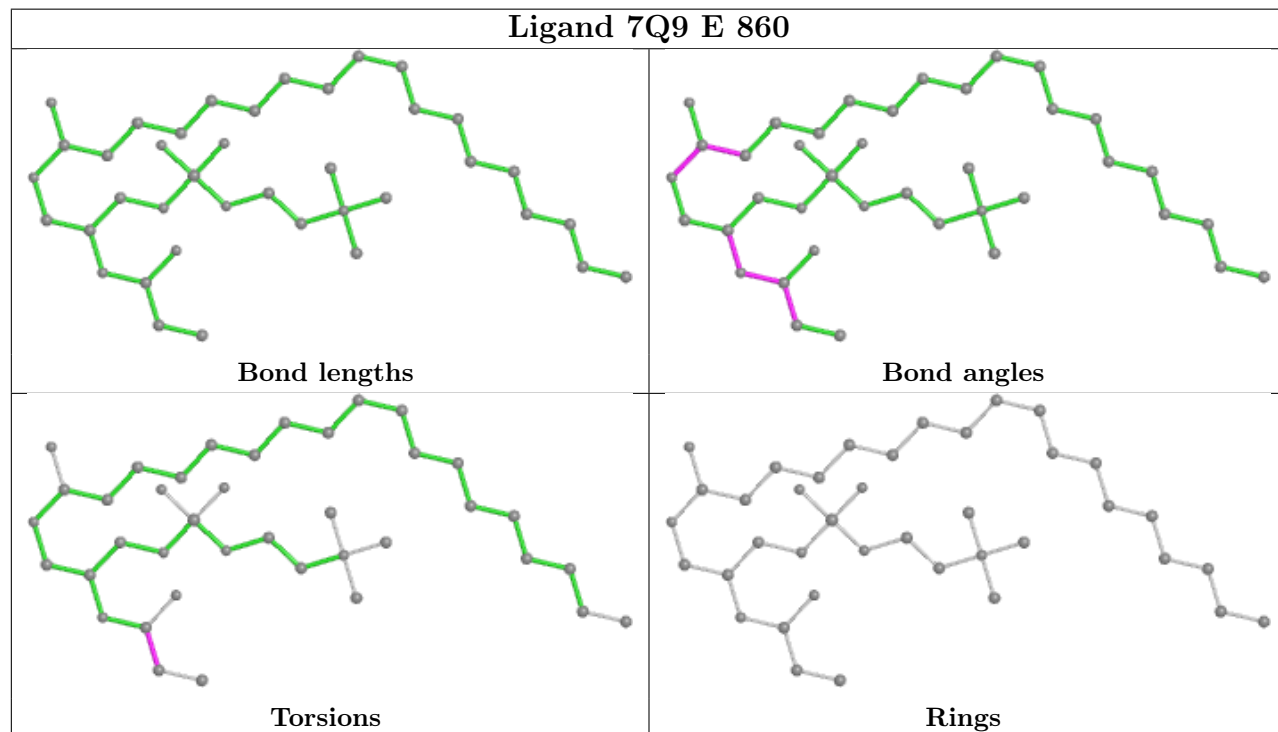


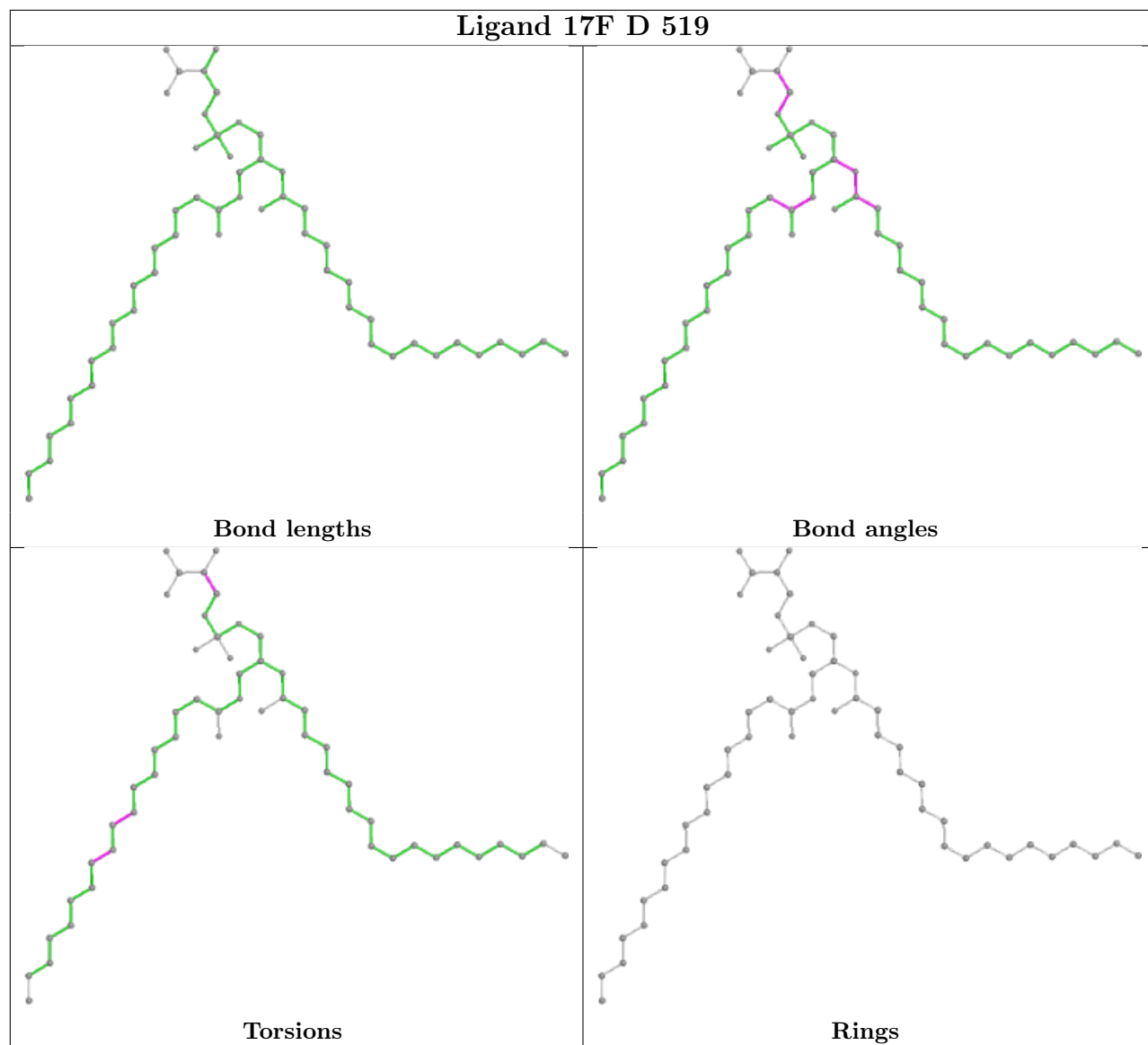


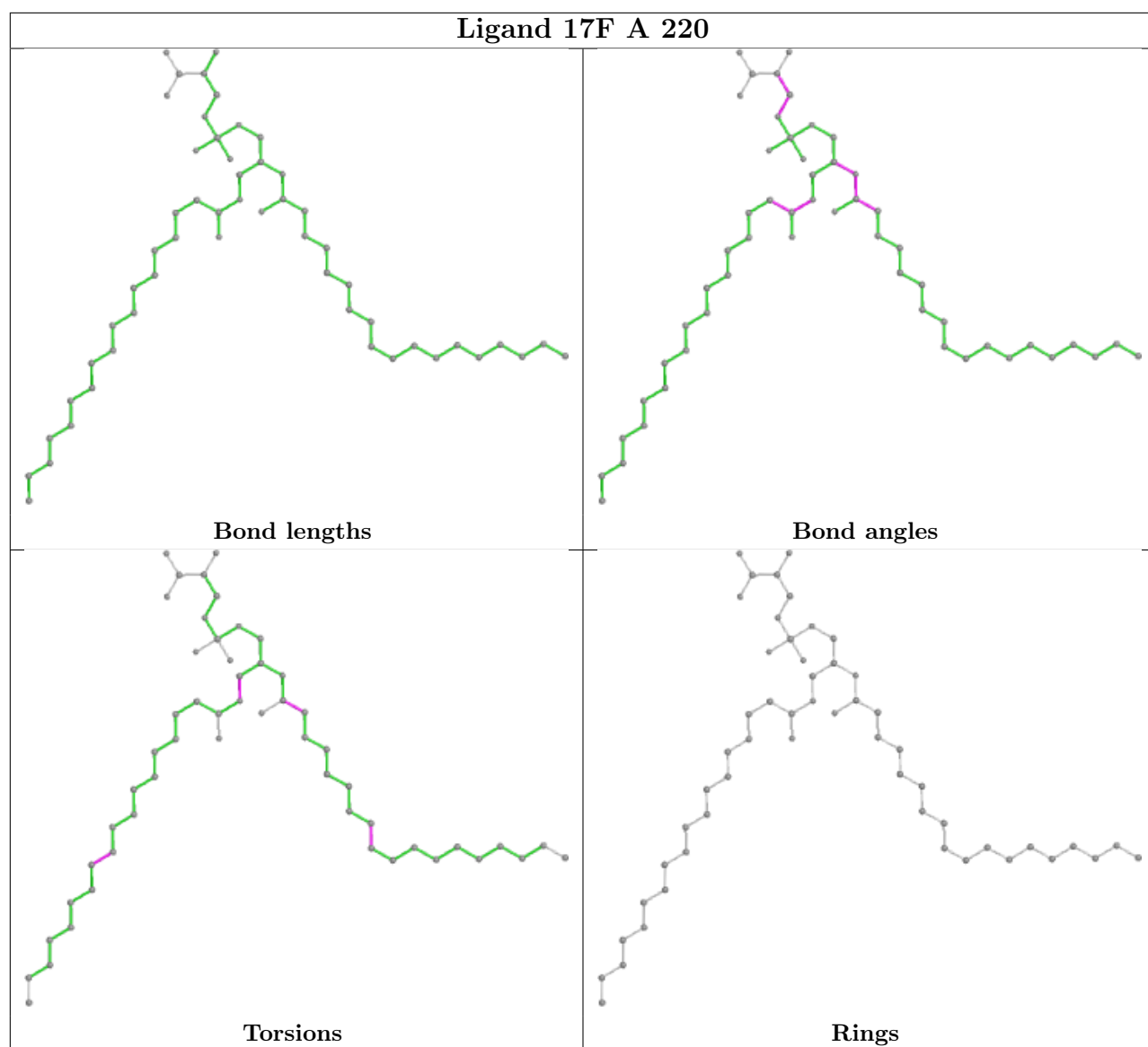
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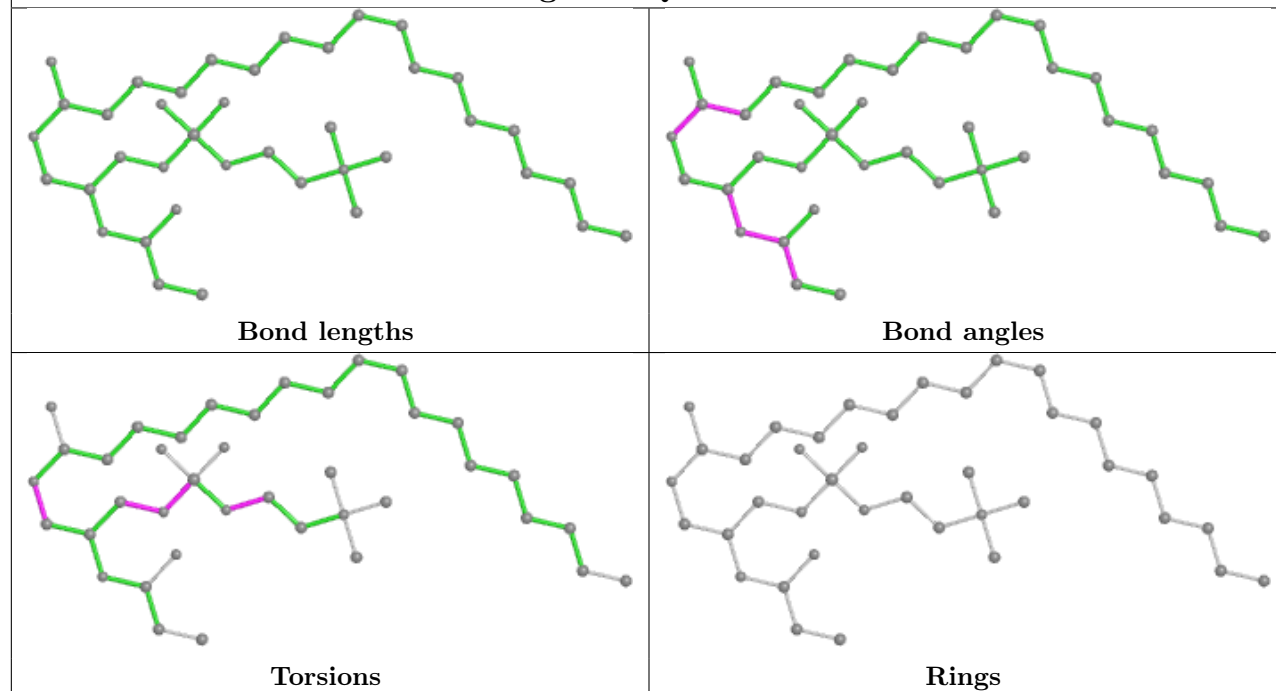
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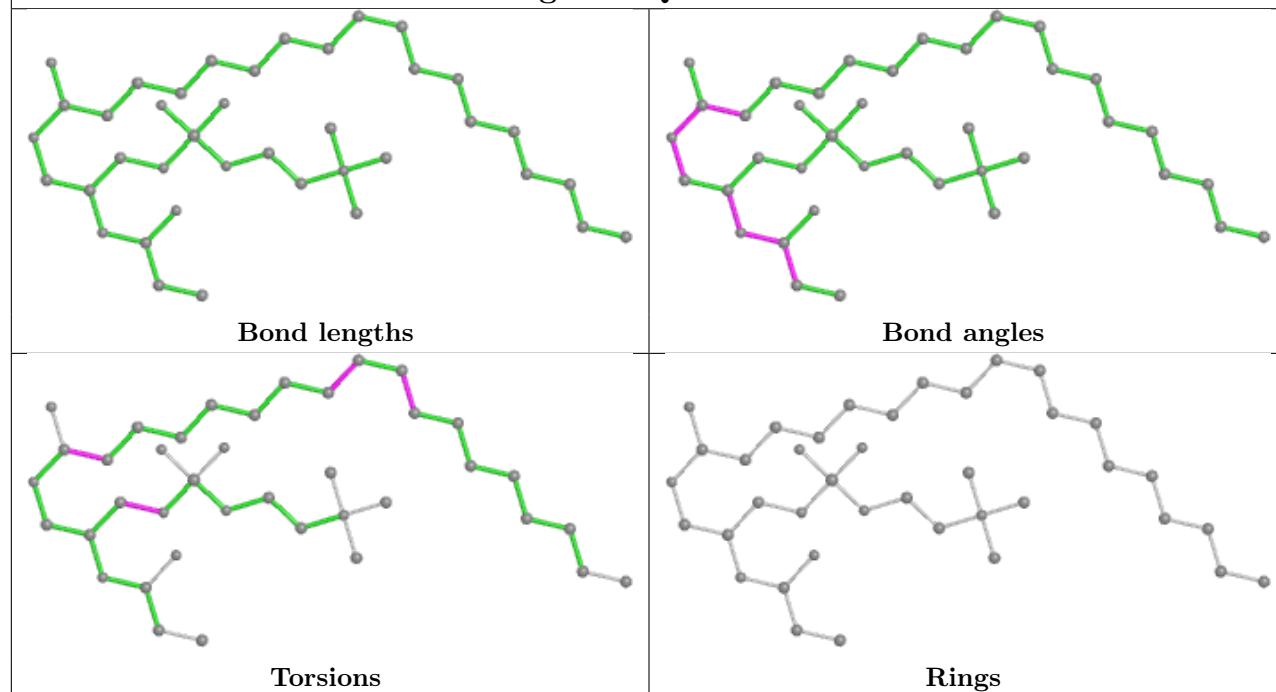




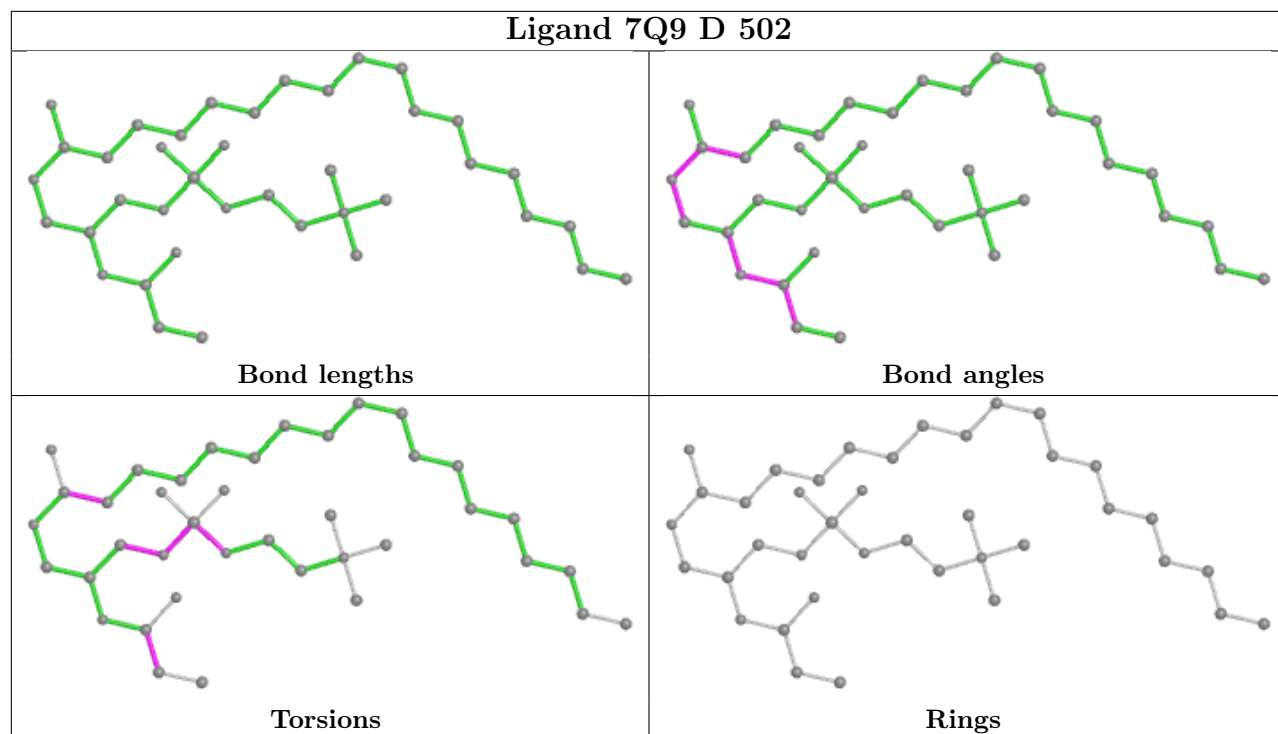
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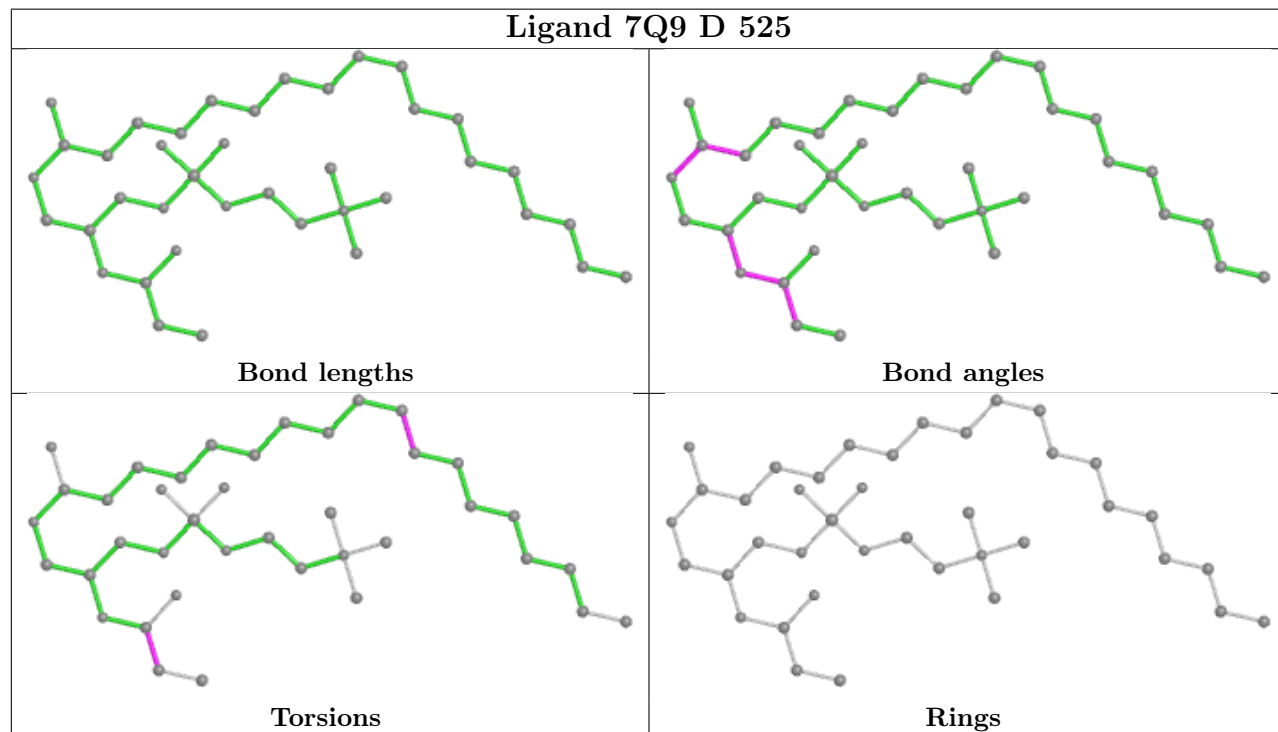
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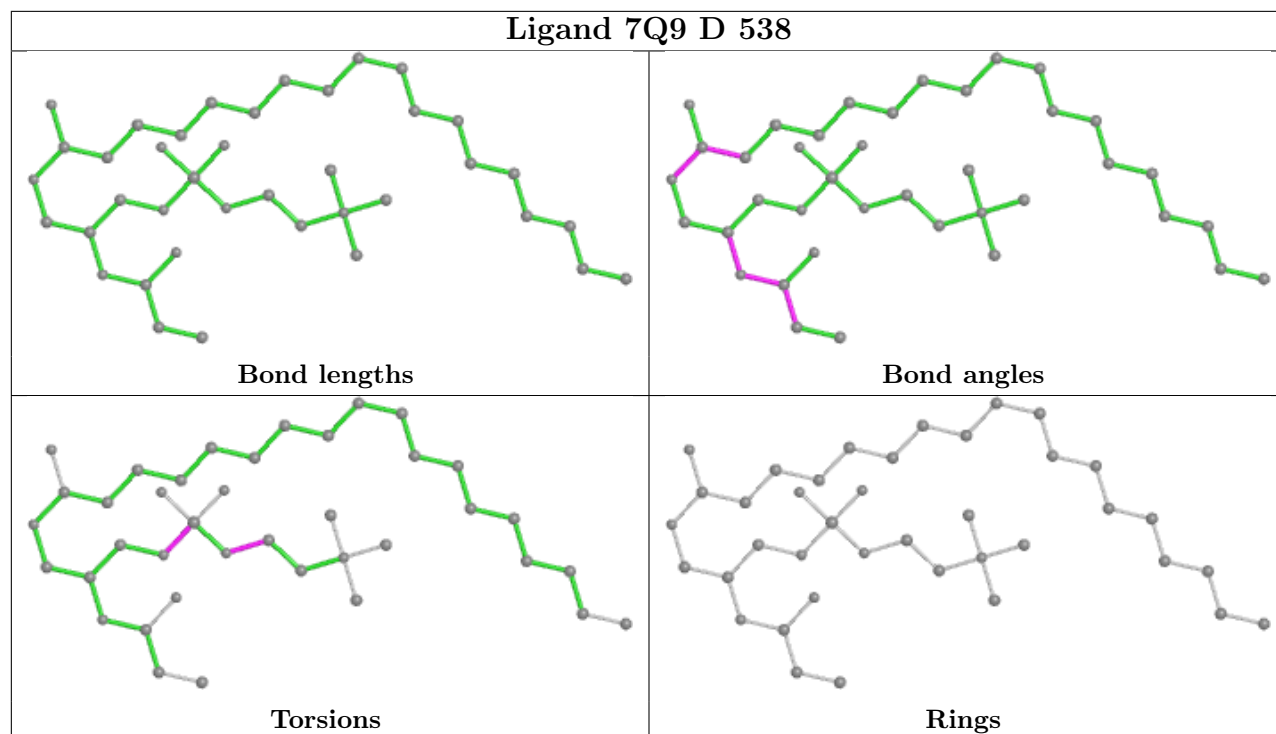
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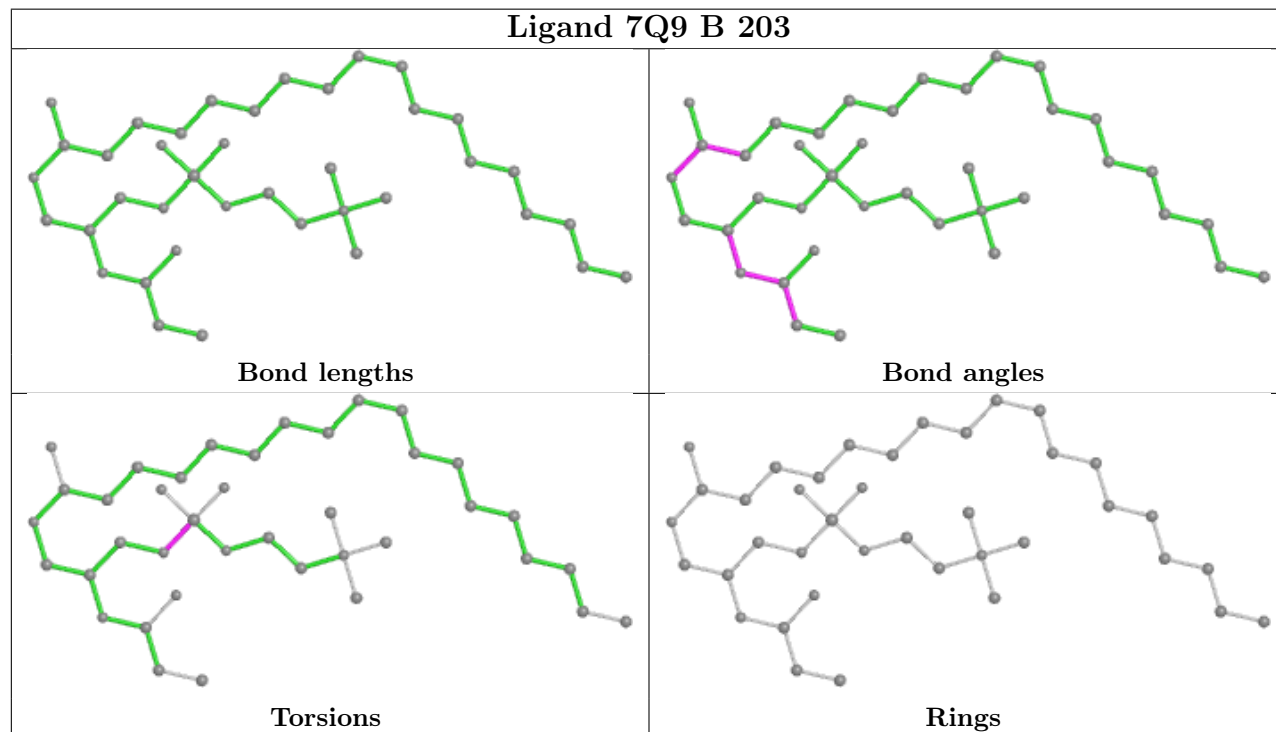
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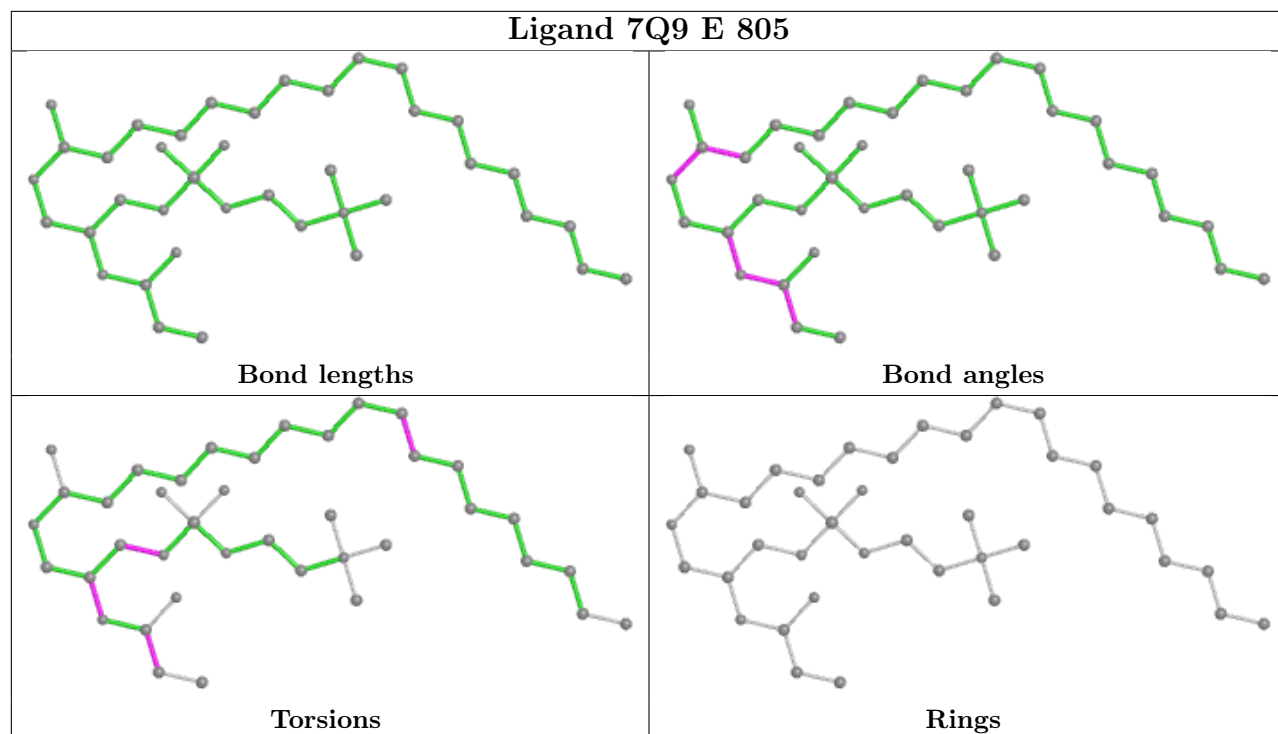


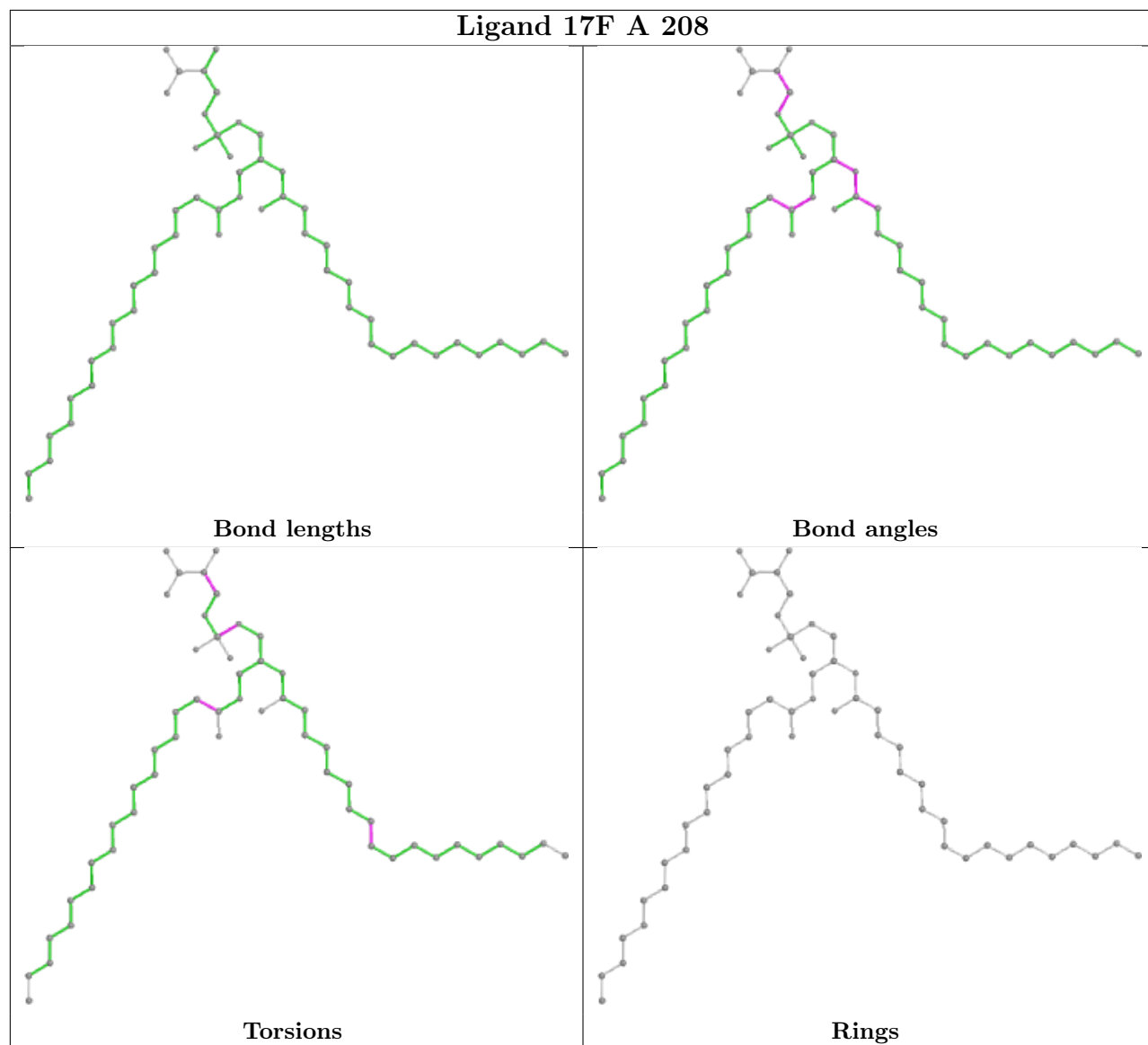
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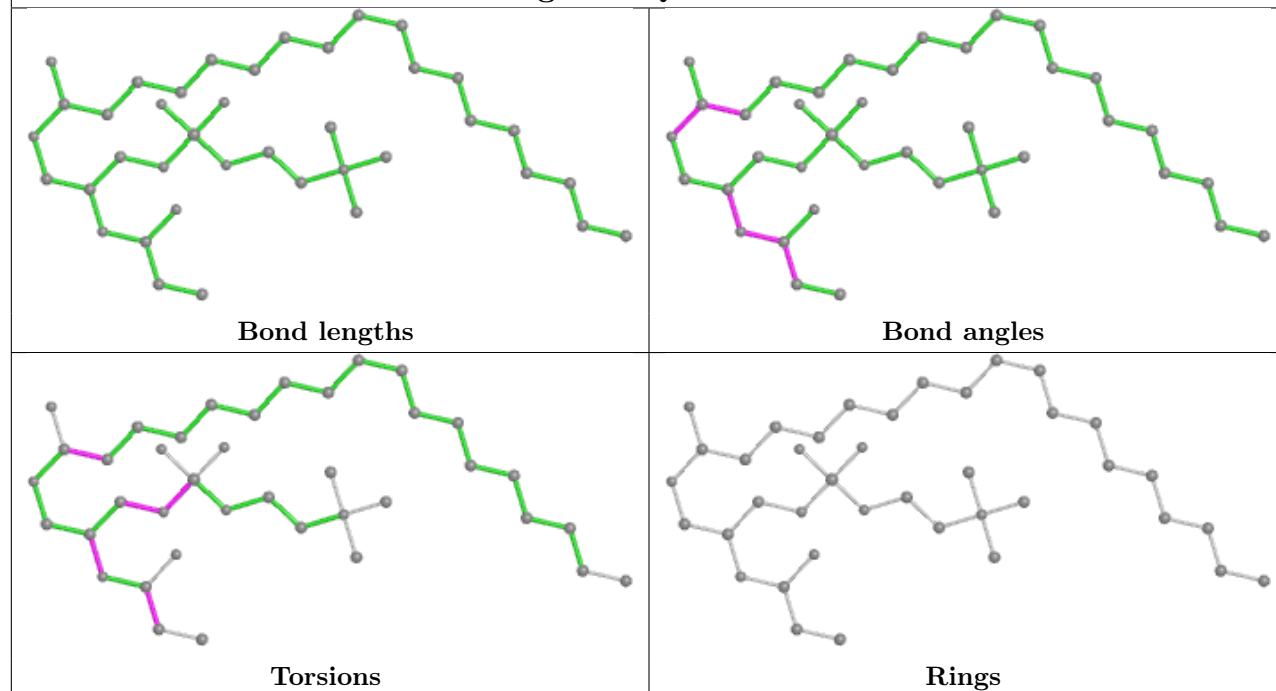
Ligand 7Q9 B 203



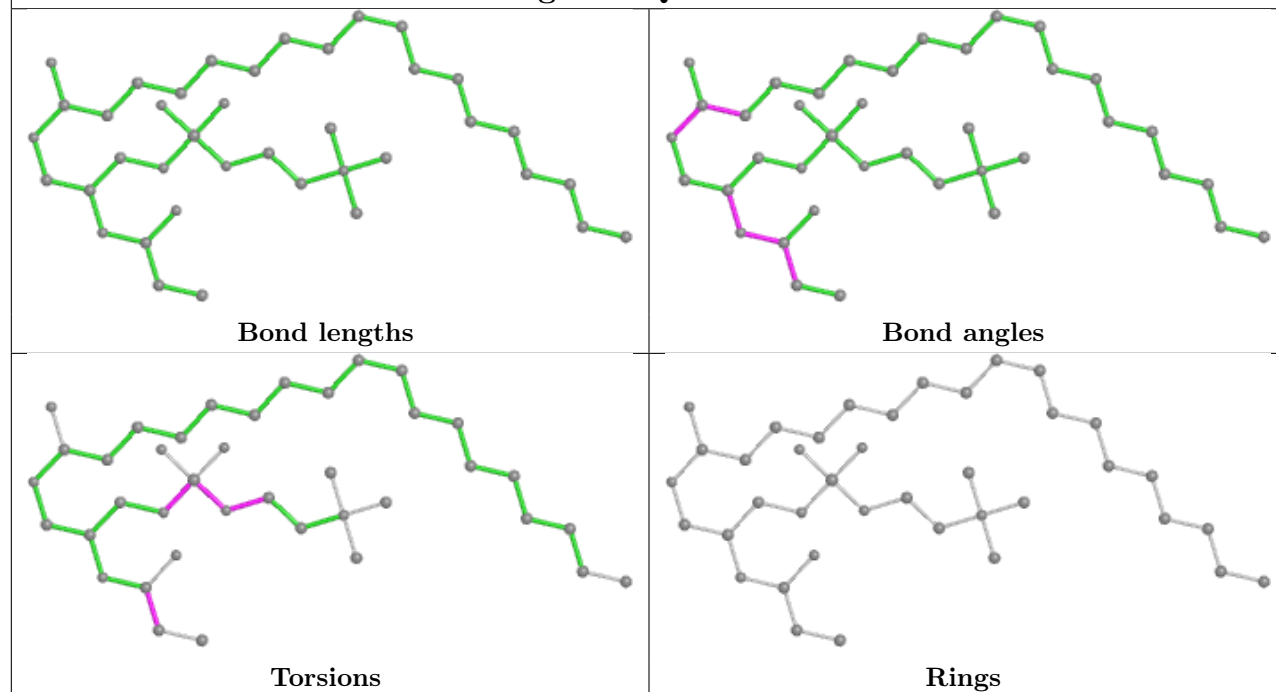


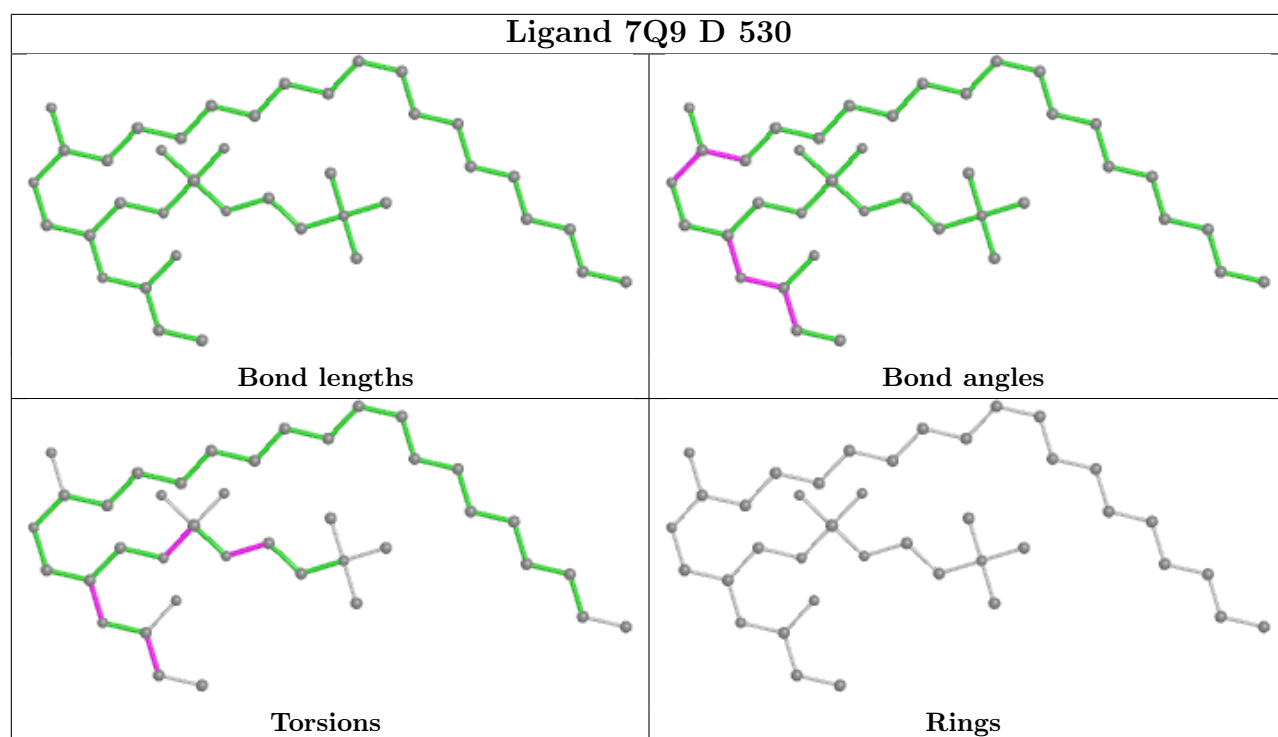


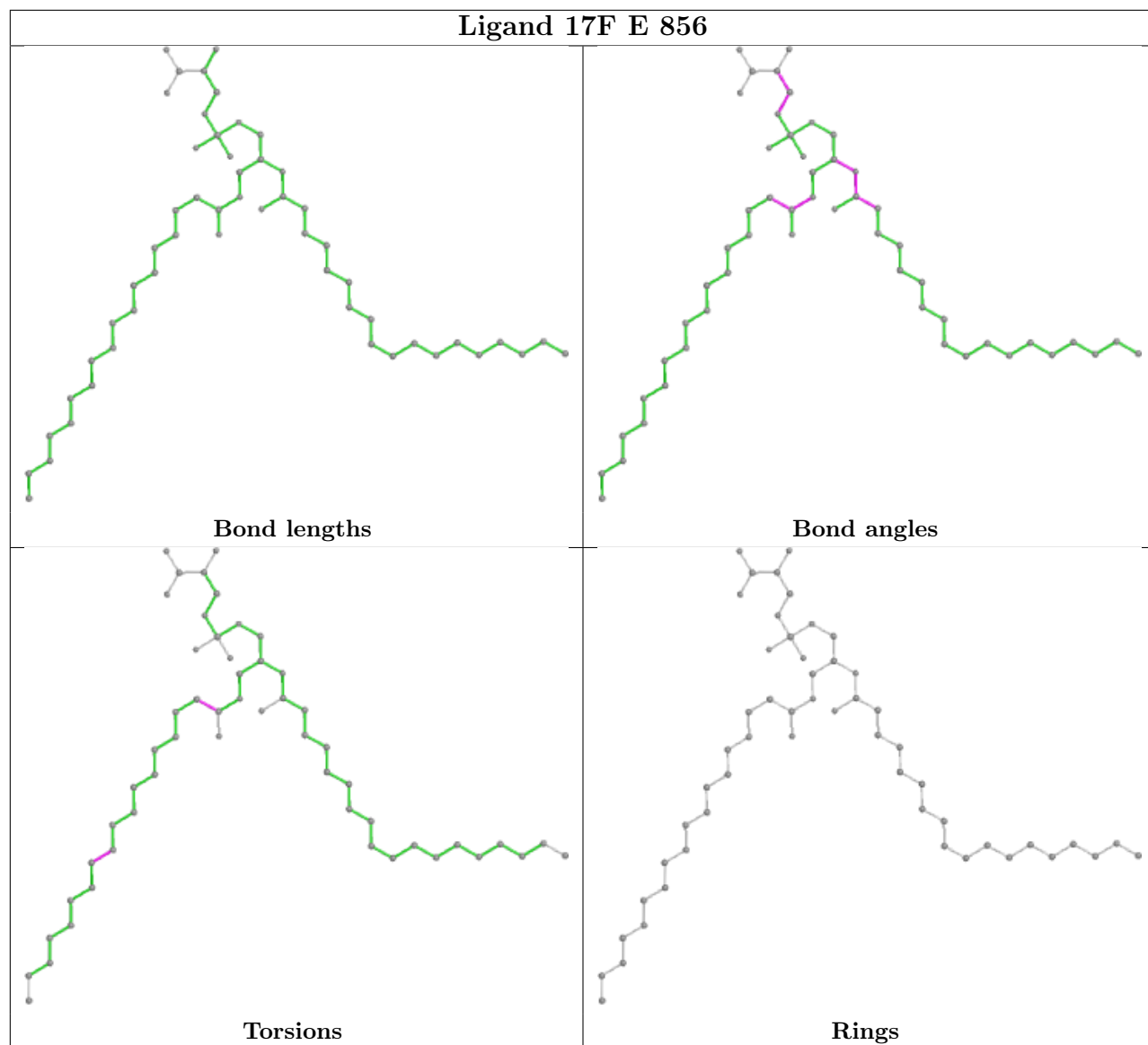
Ligand 7Q9 A 205



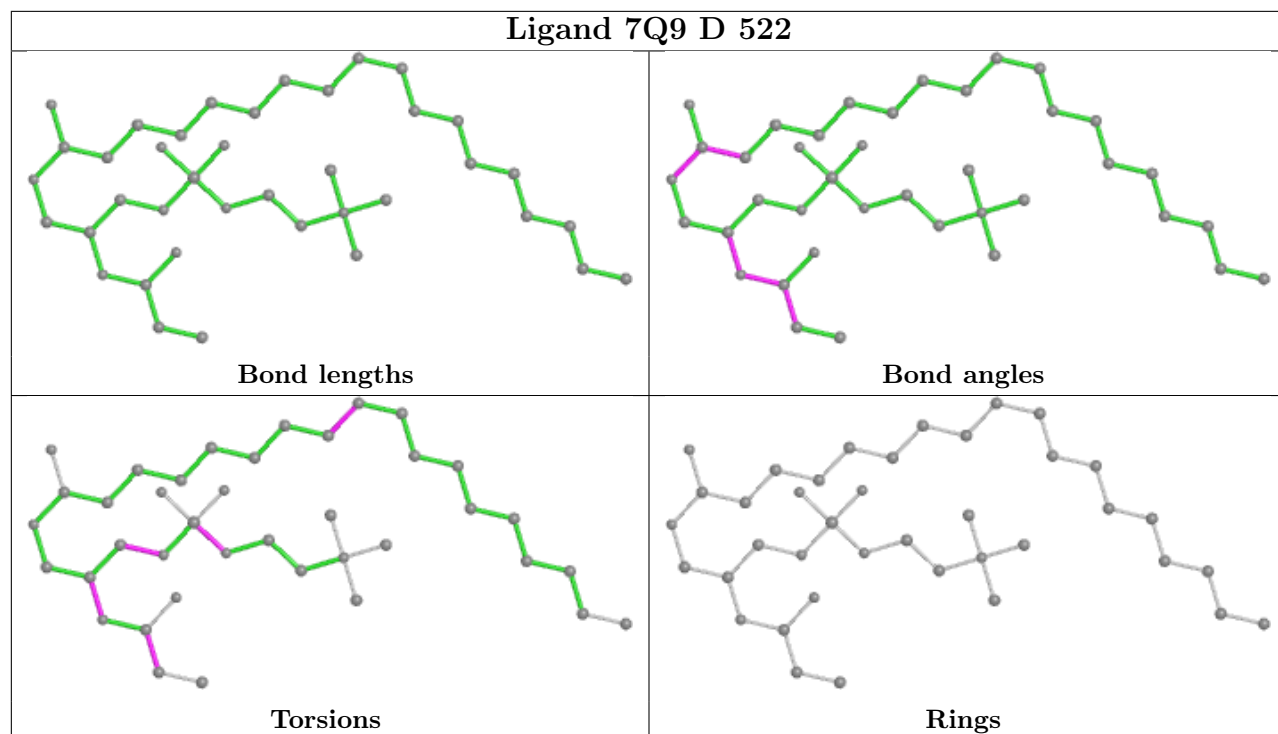
Ligand 7Q9 B 206



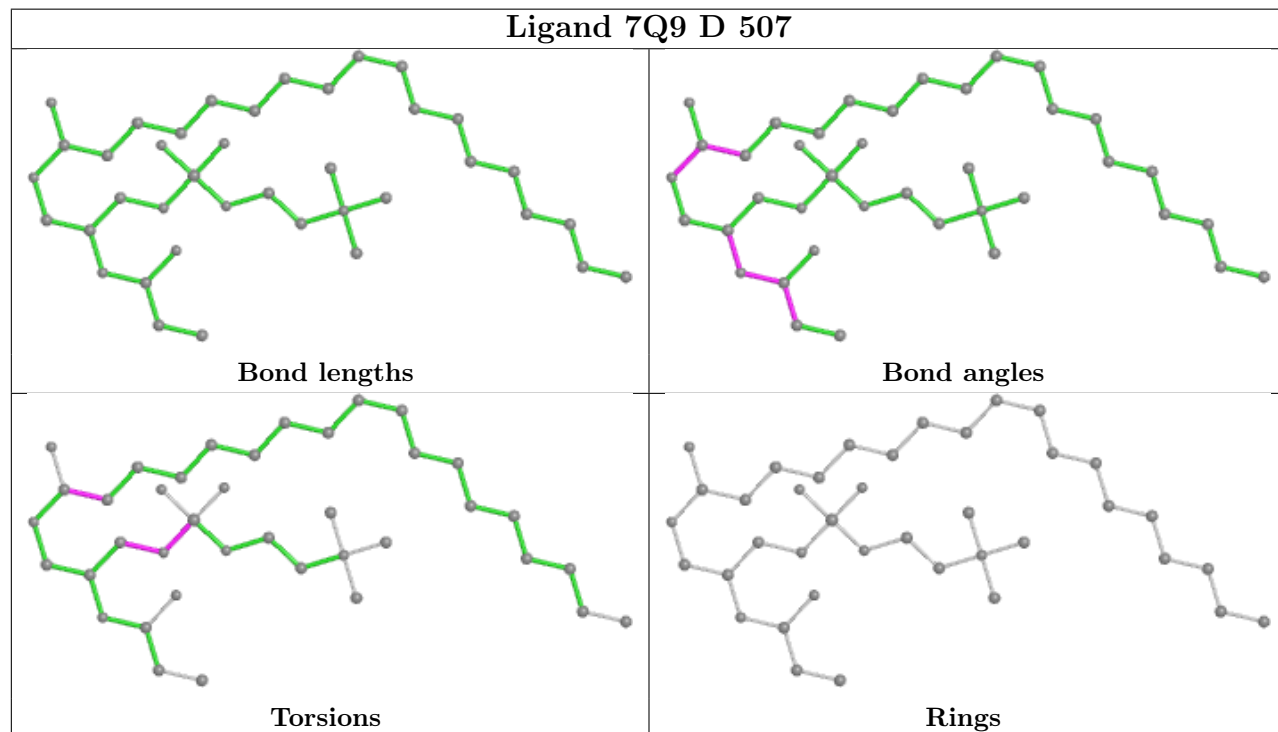




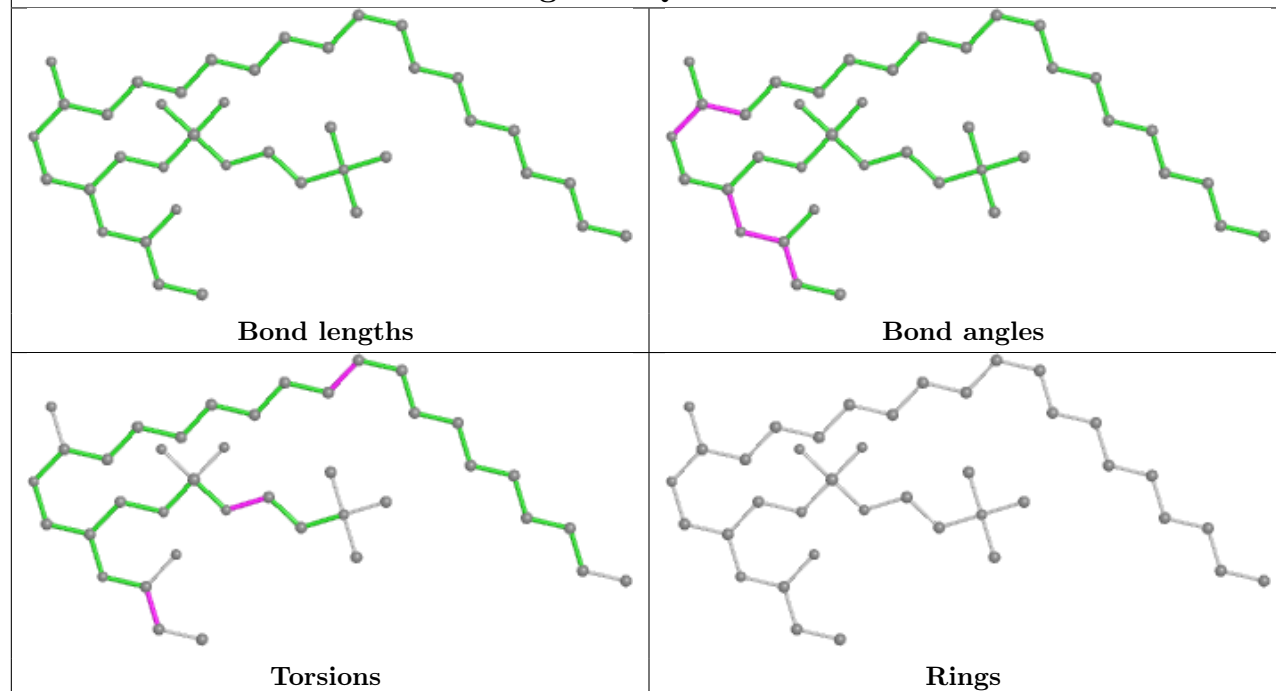
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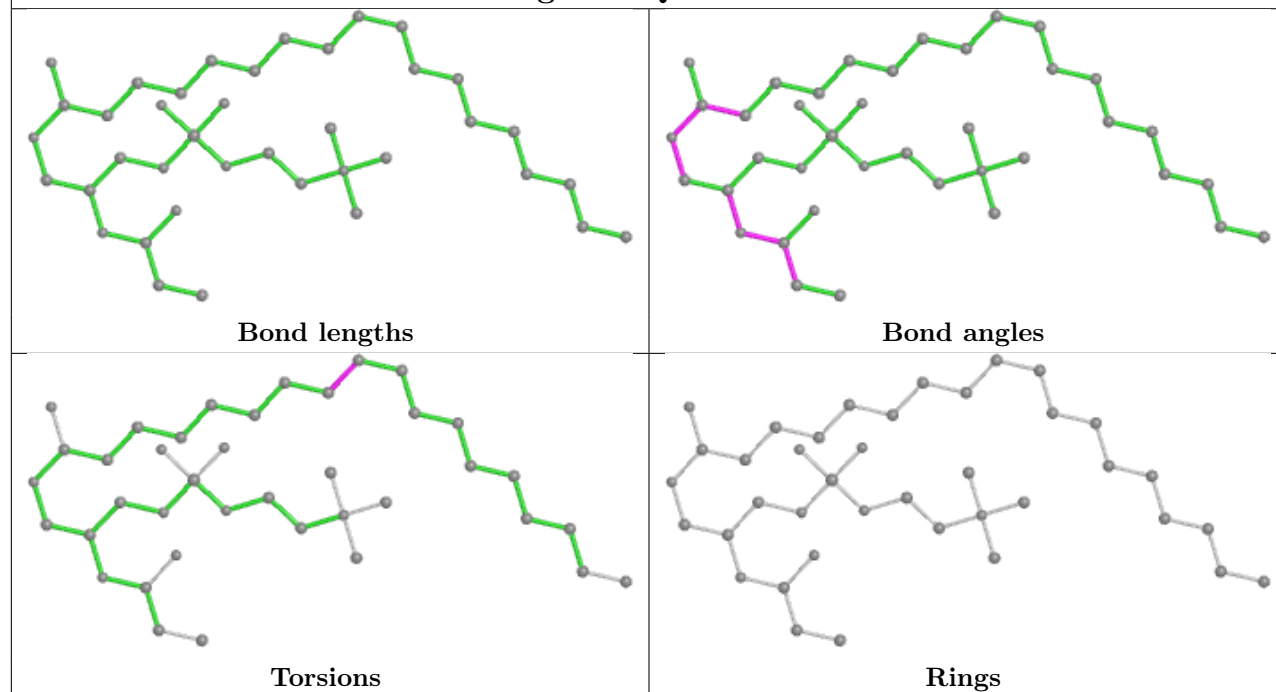
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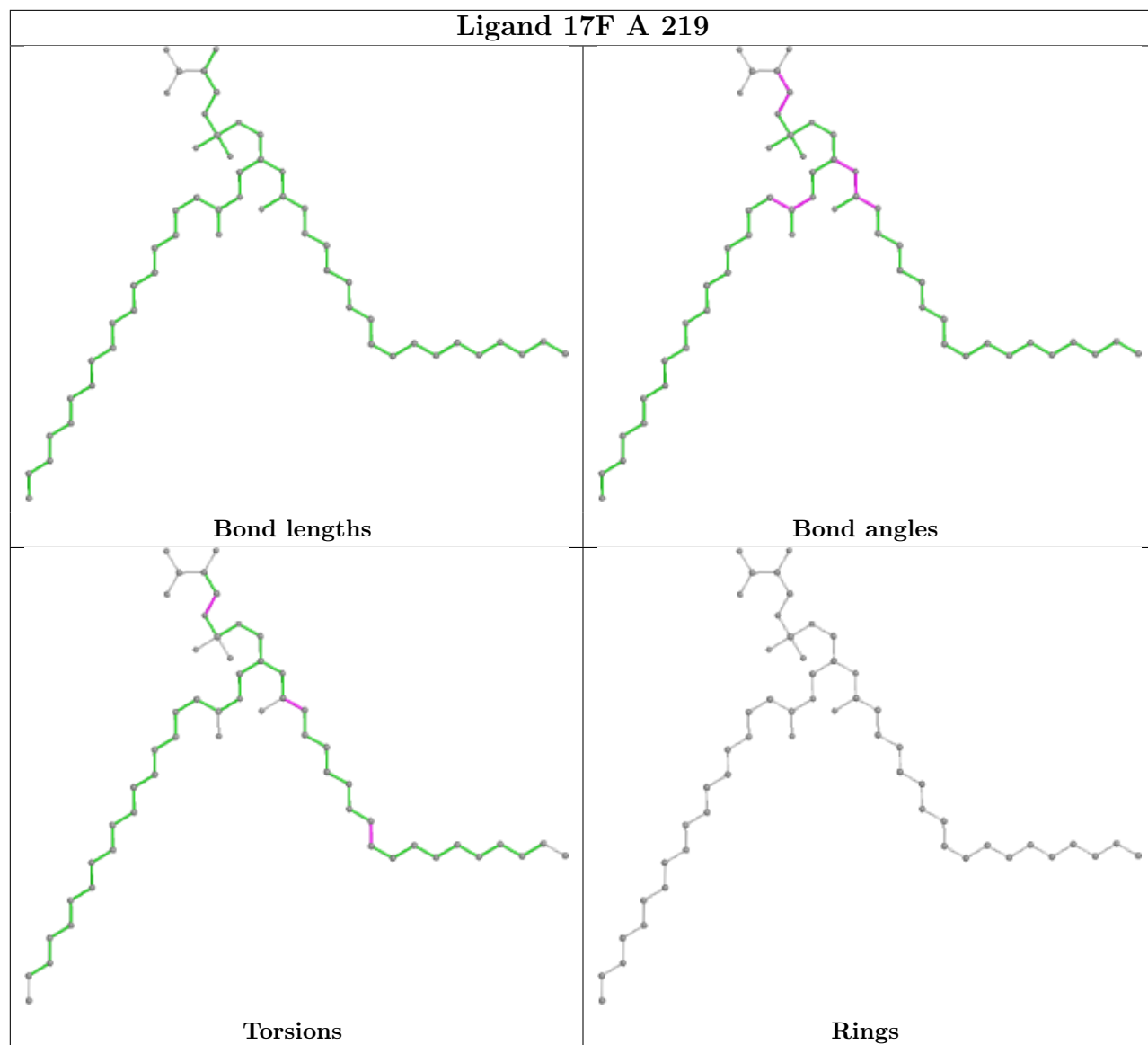


Ligand 7Q9 E 824

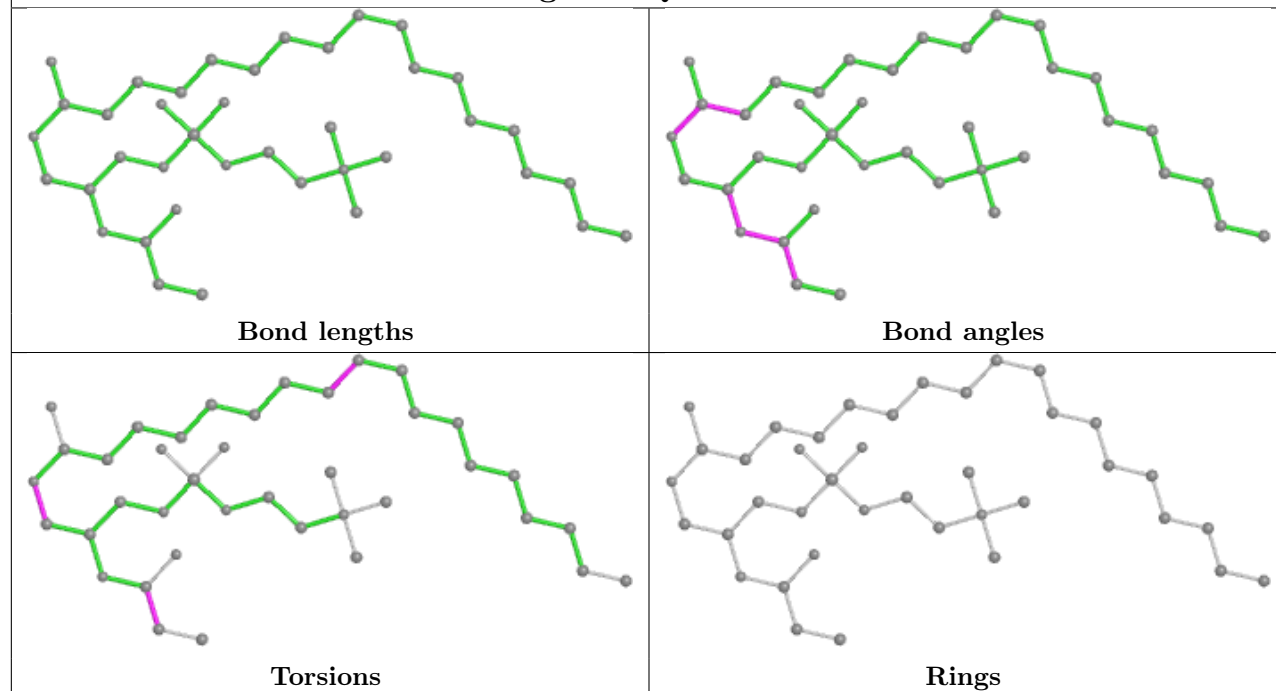


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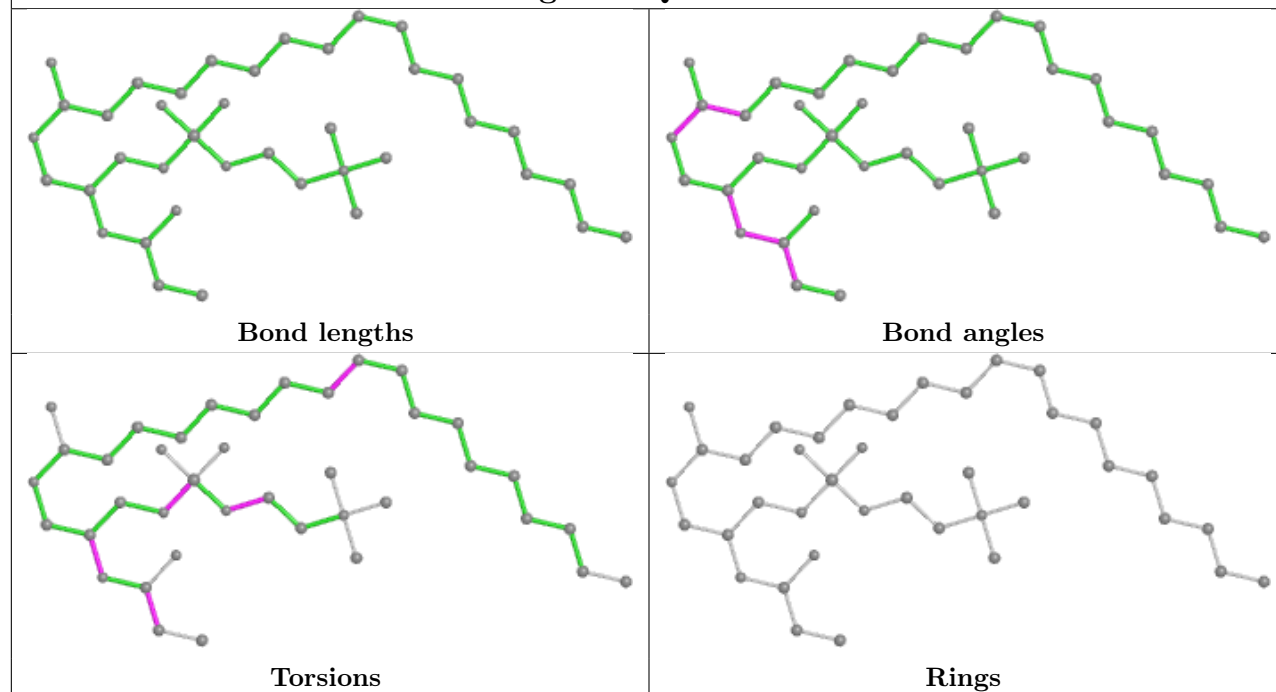


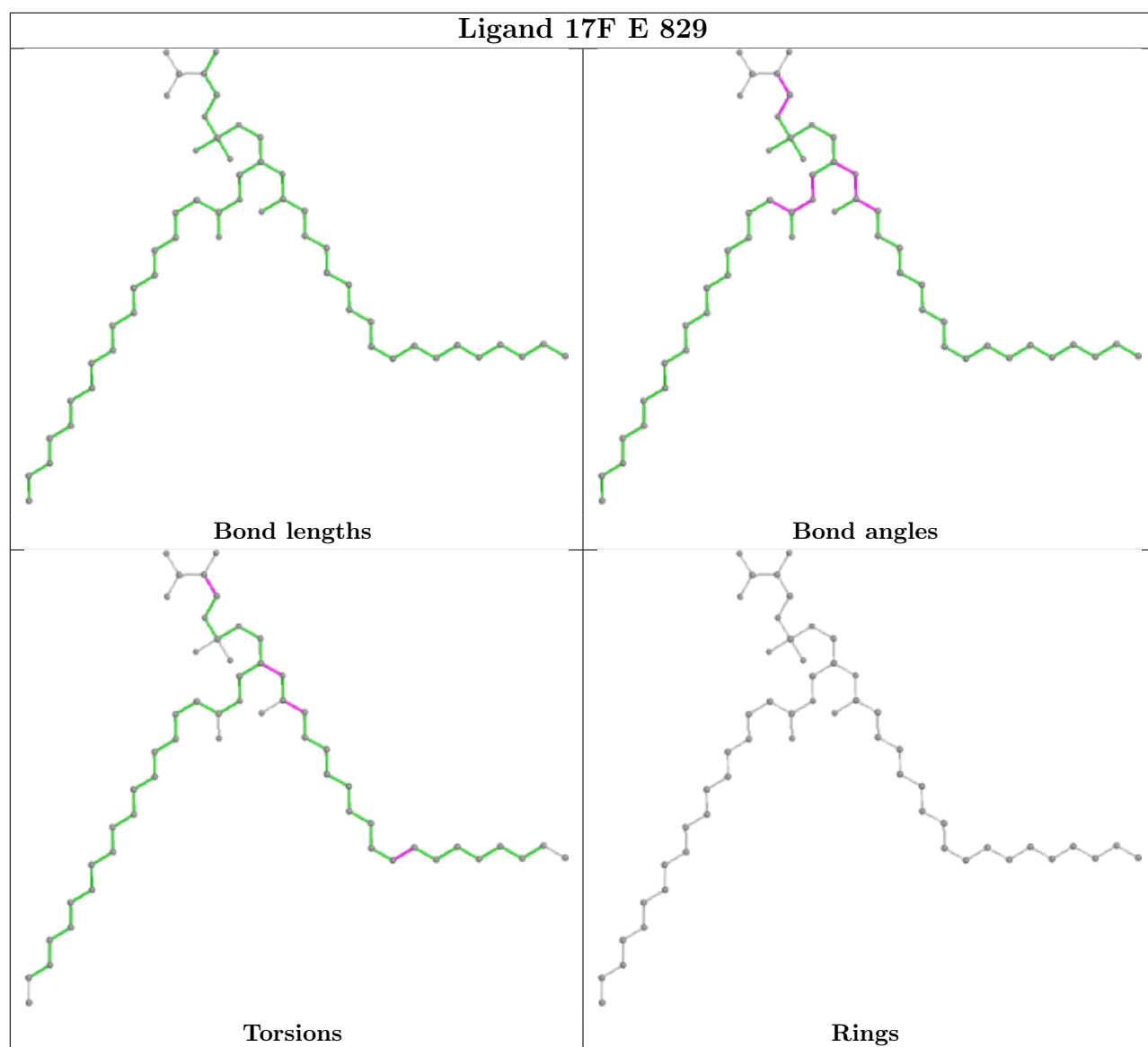


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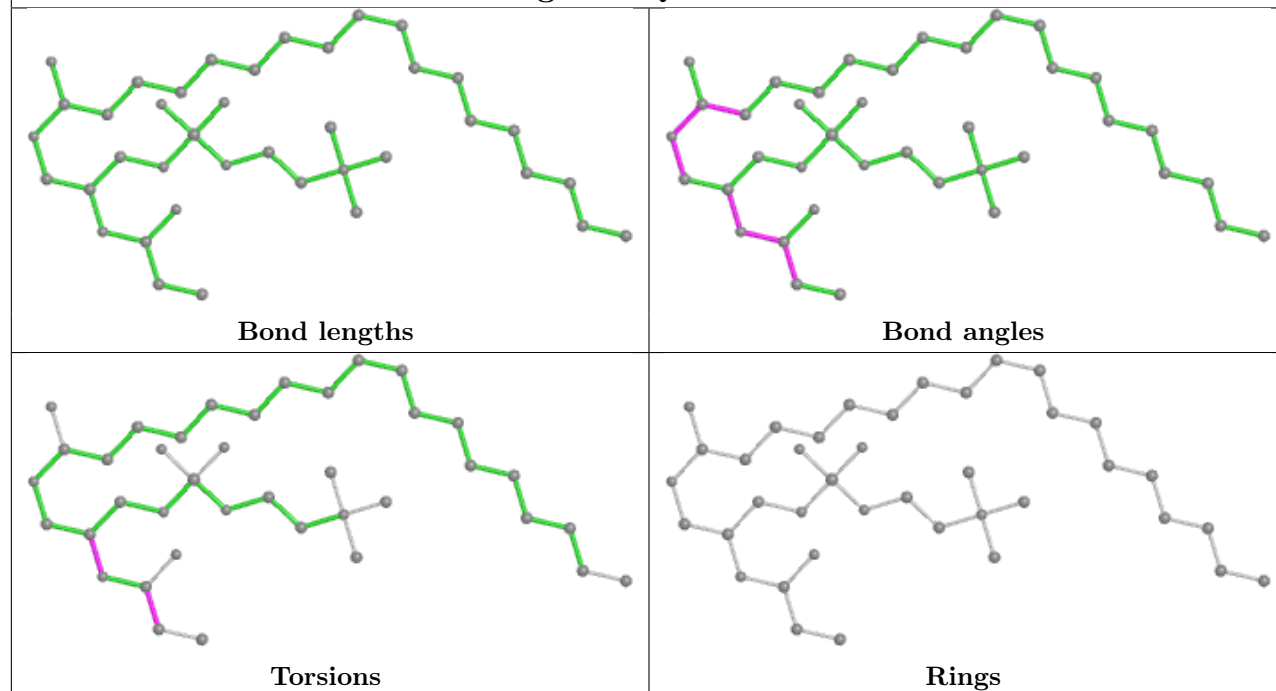


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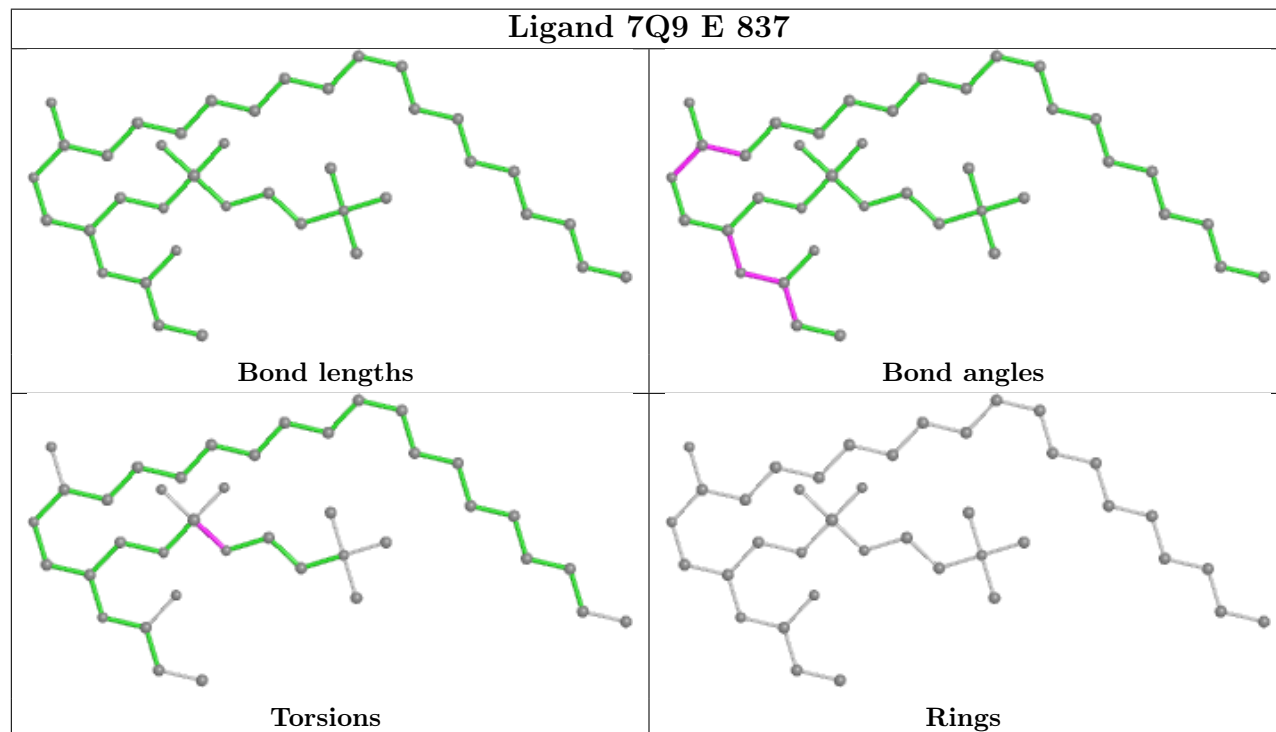


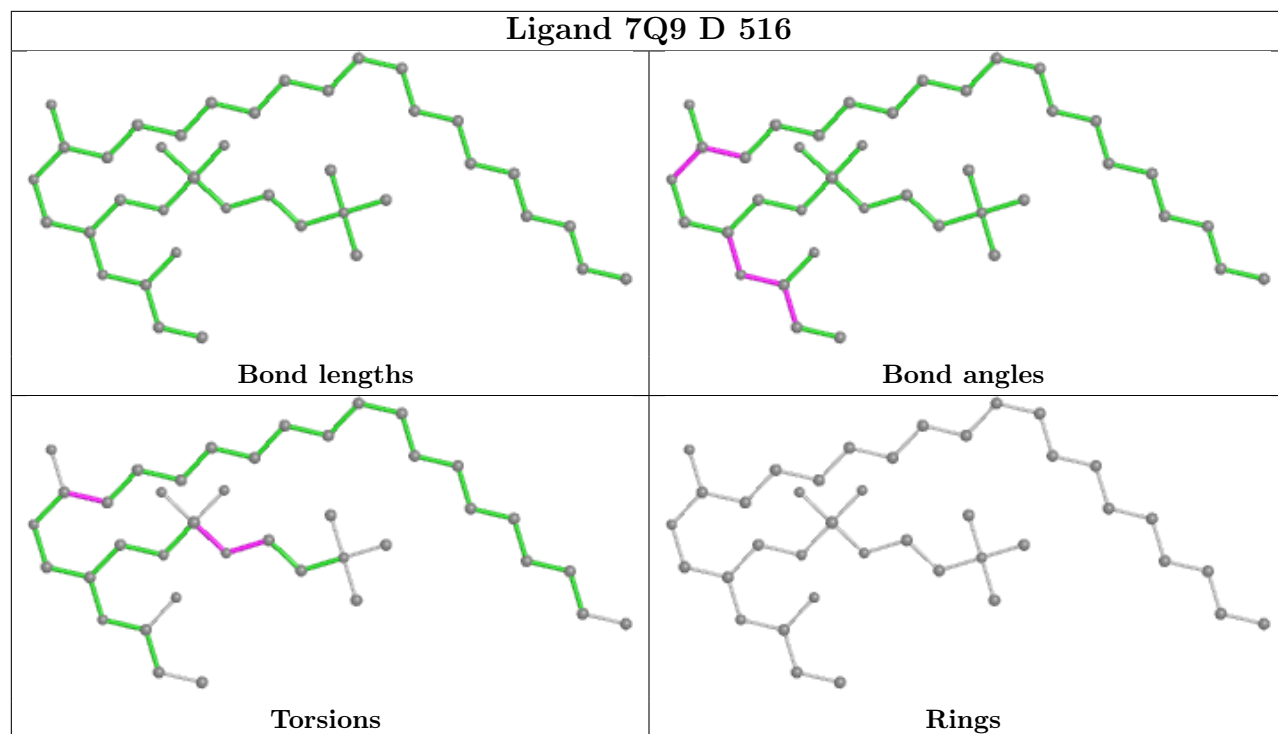


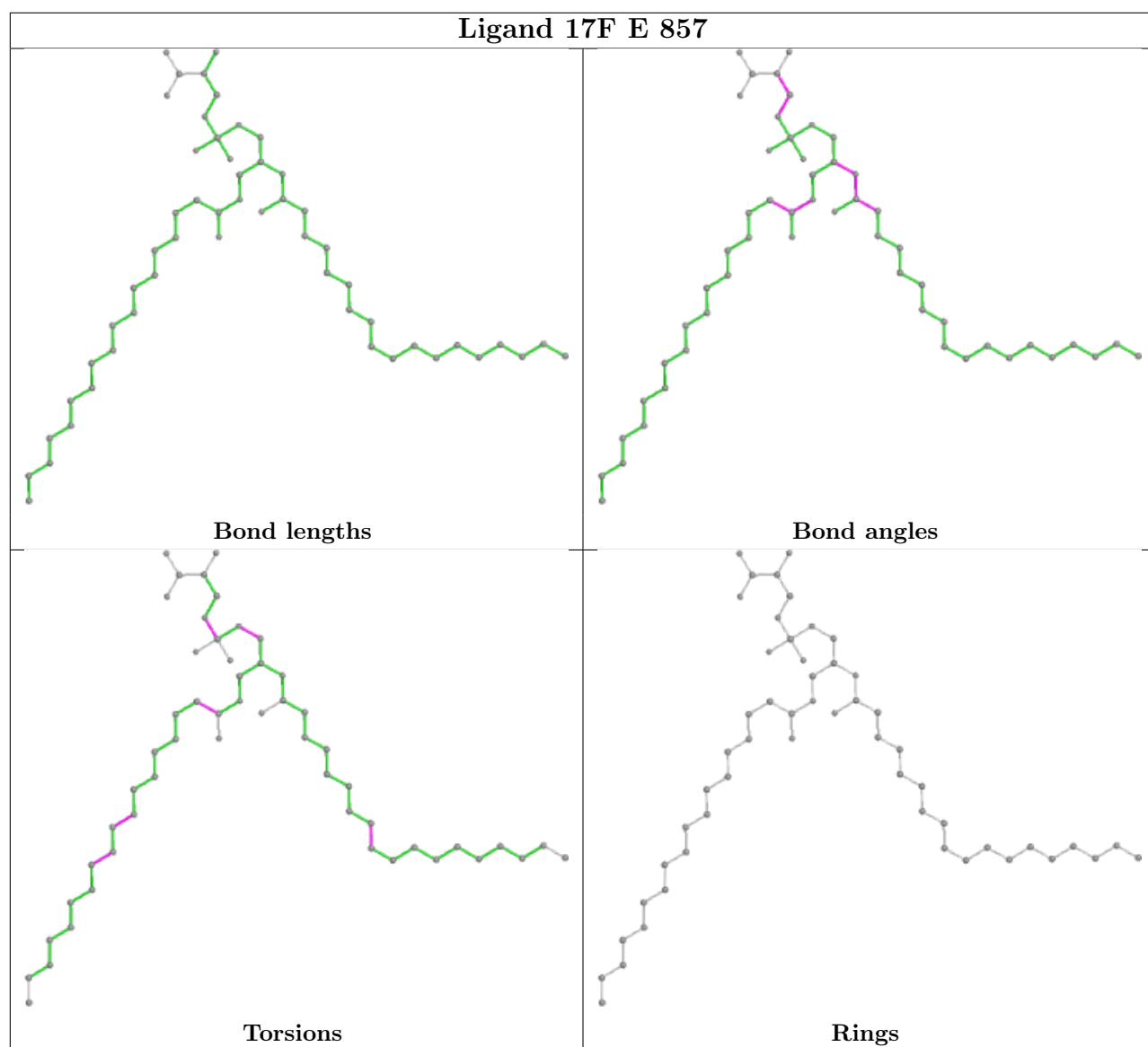
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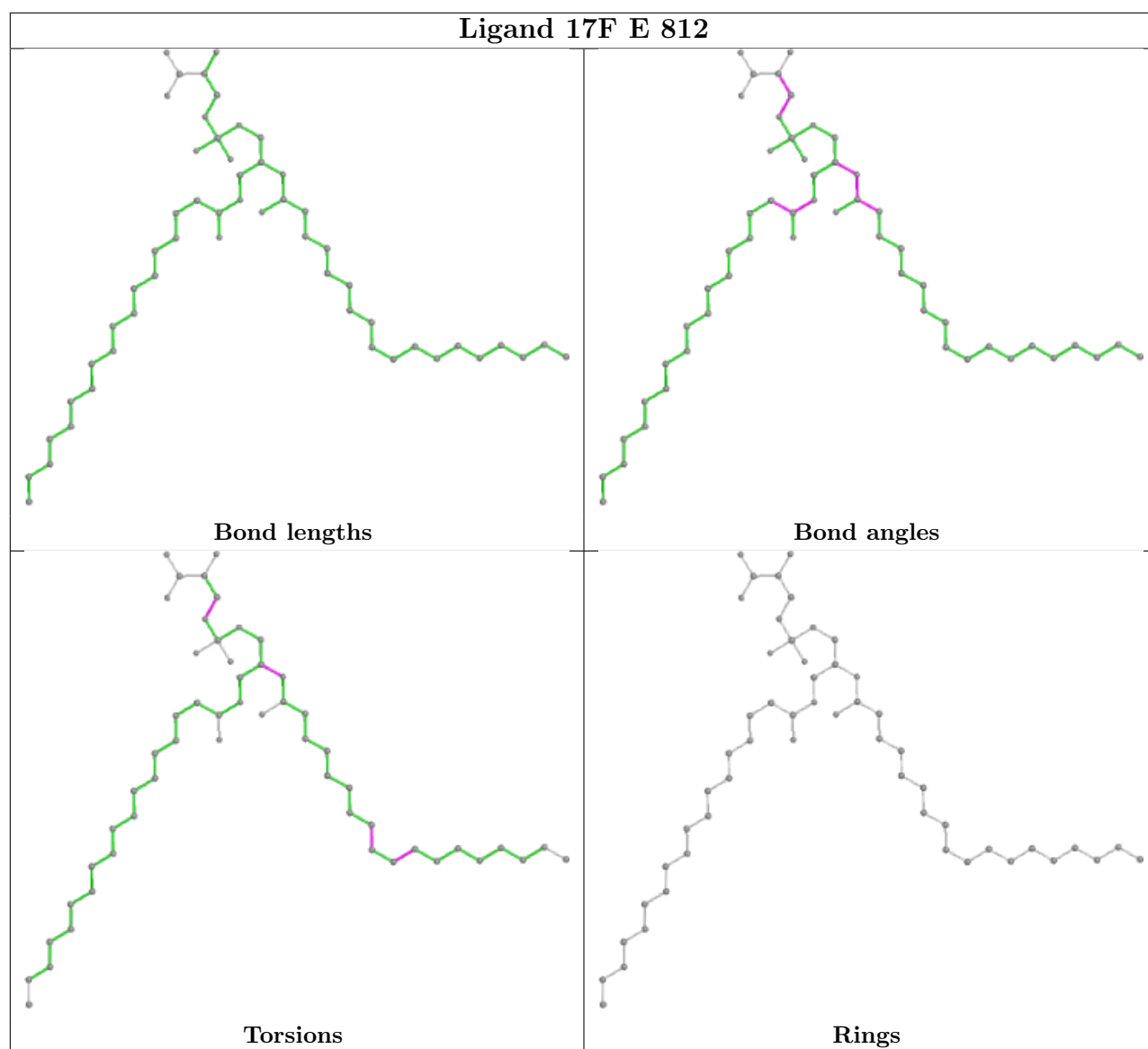


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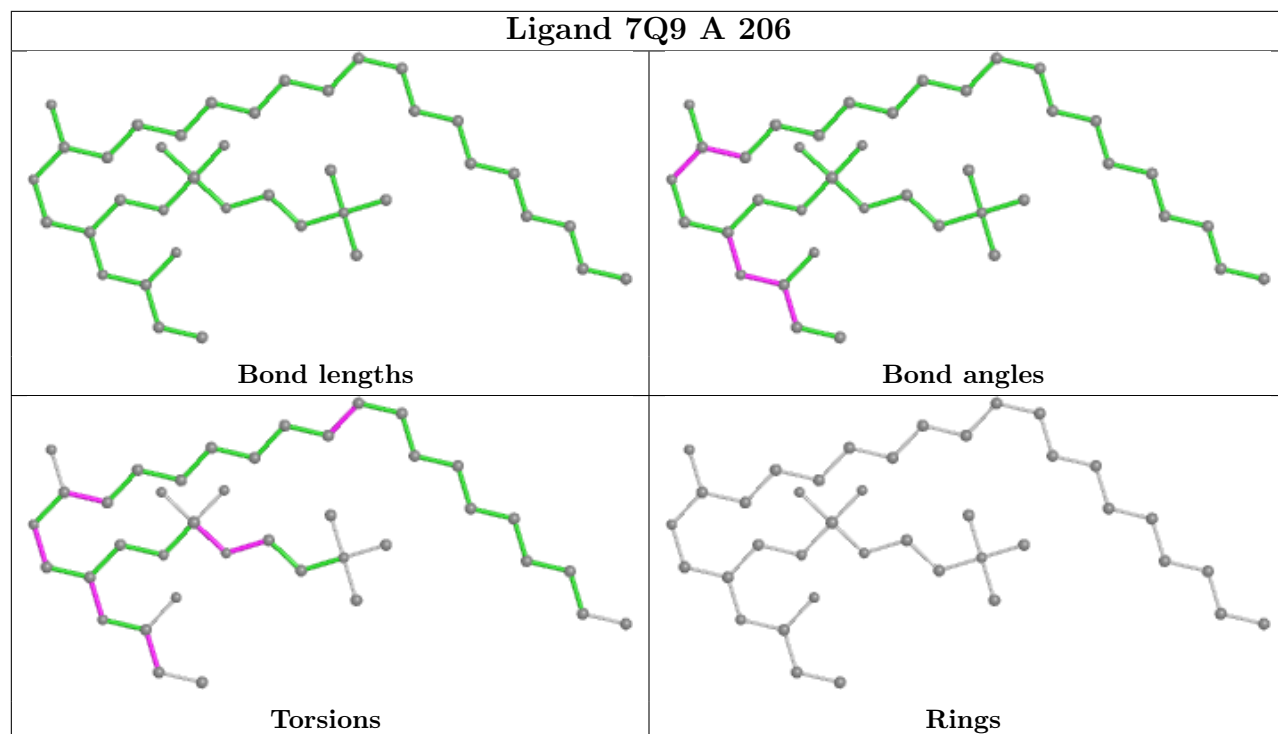




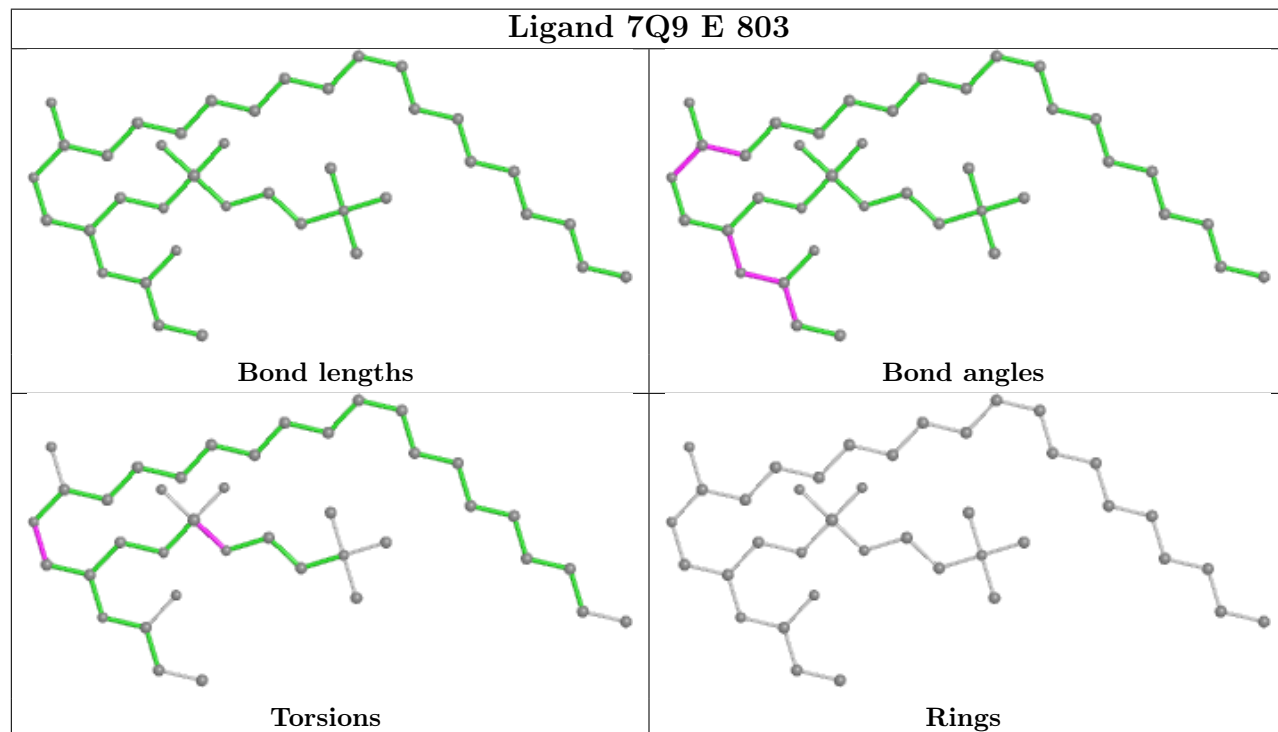




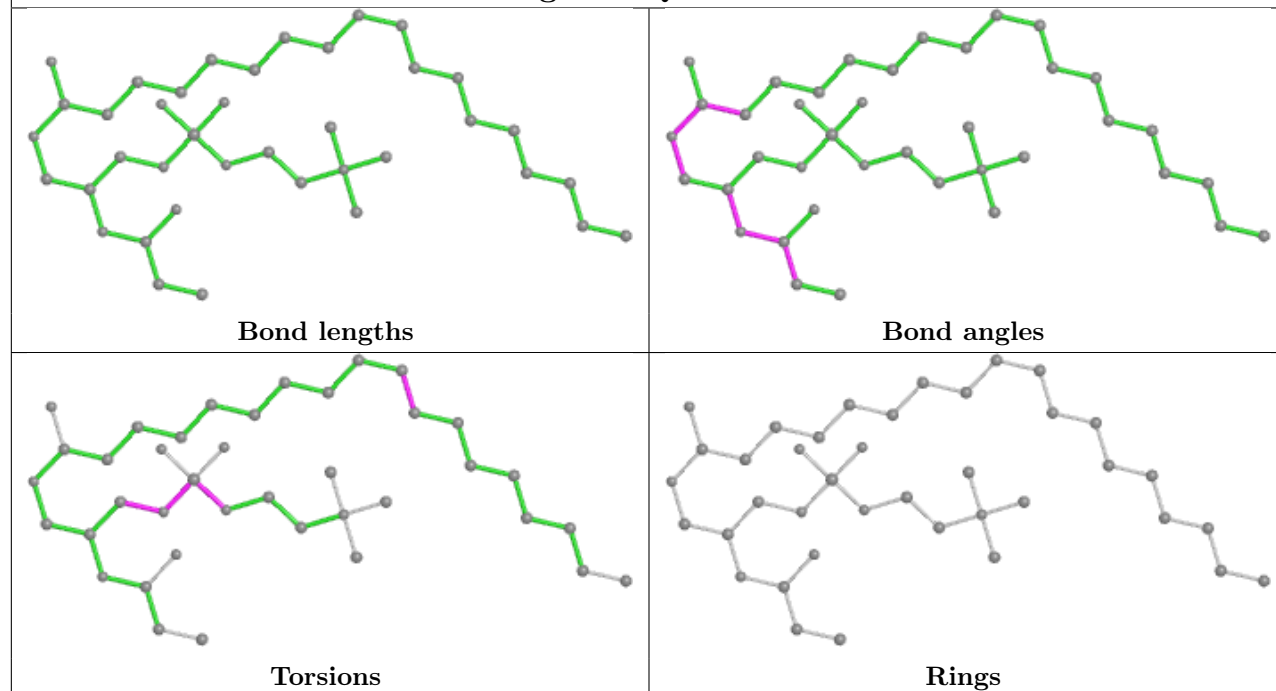
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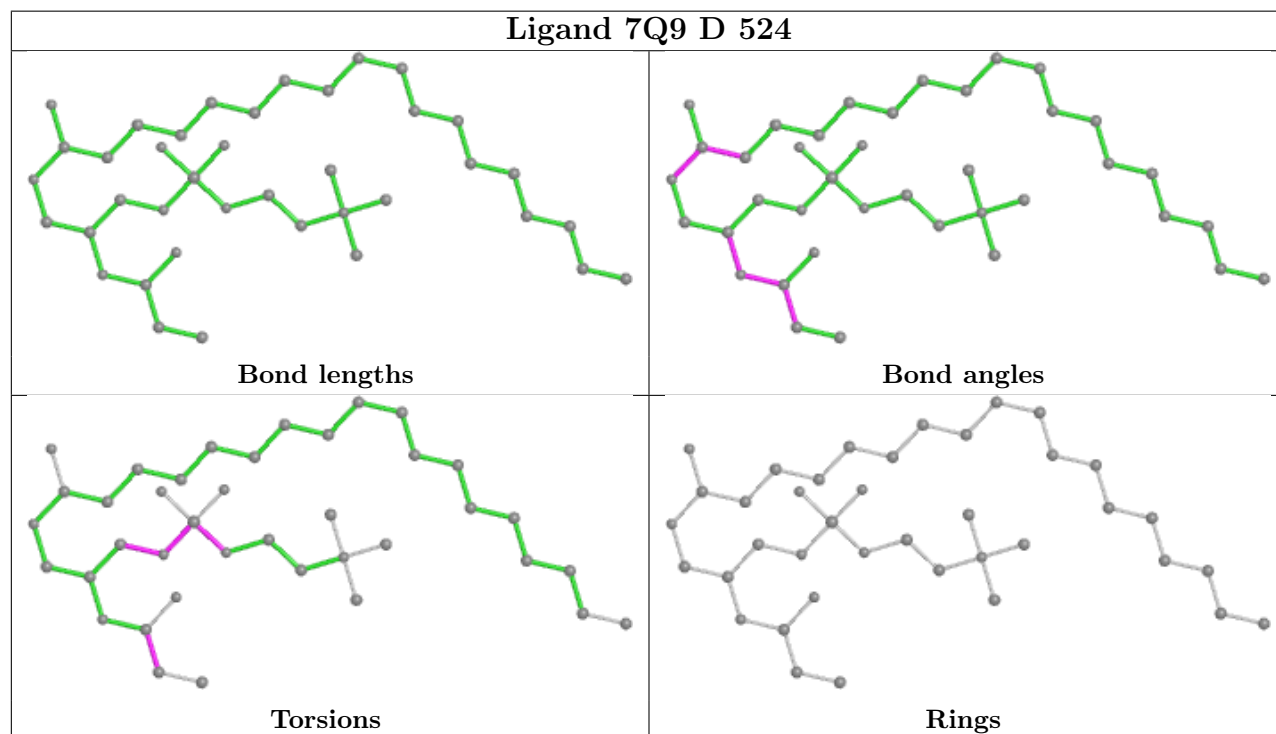
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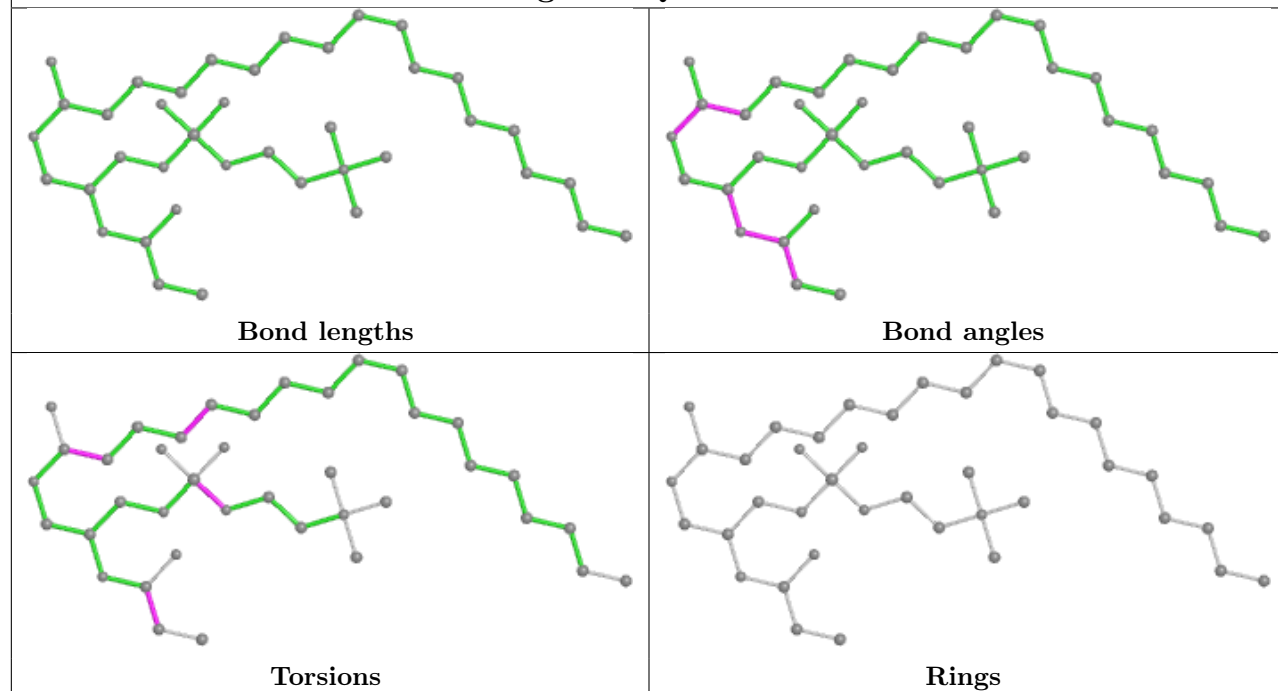
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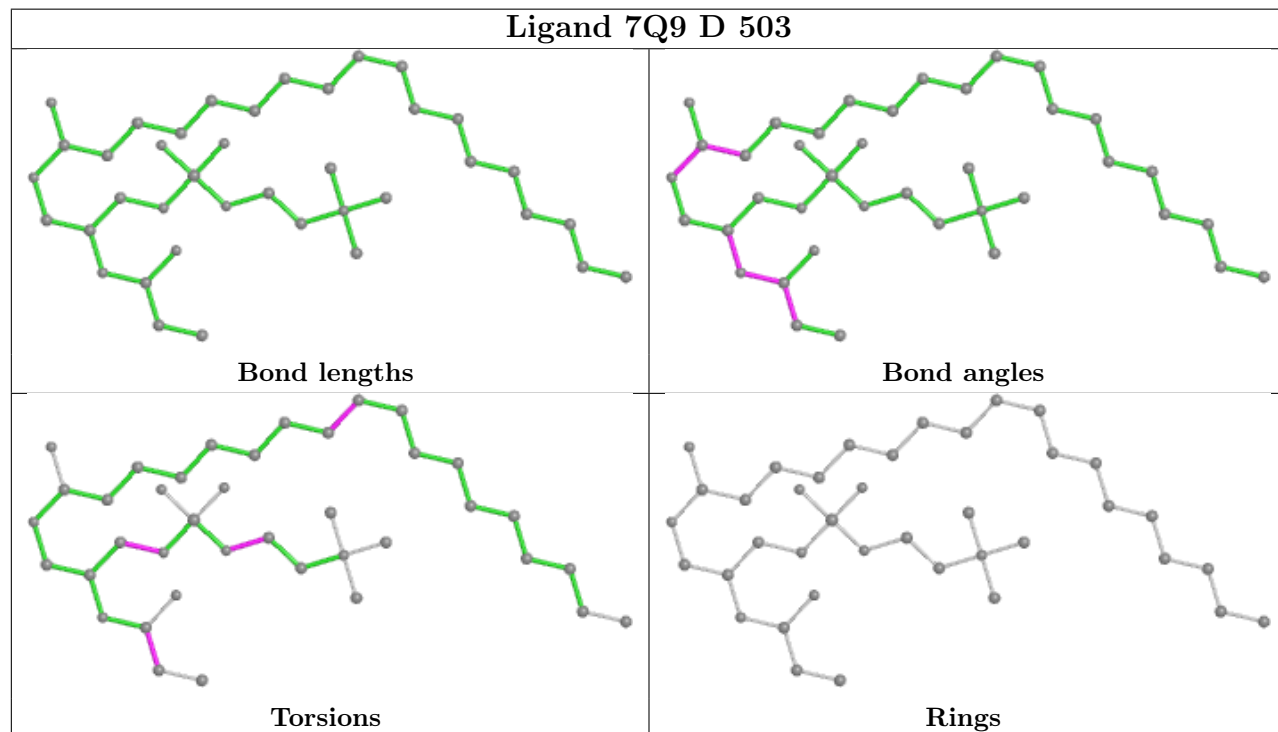
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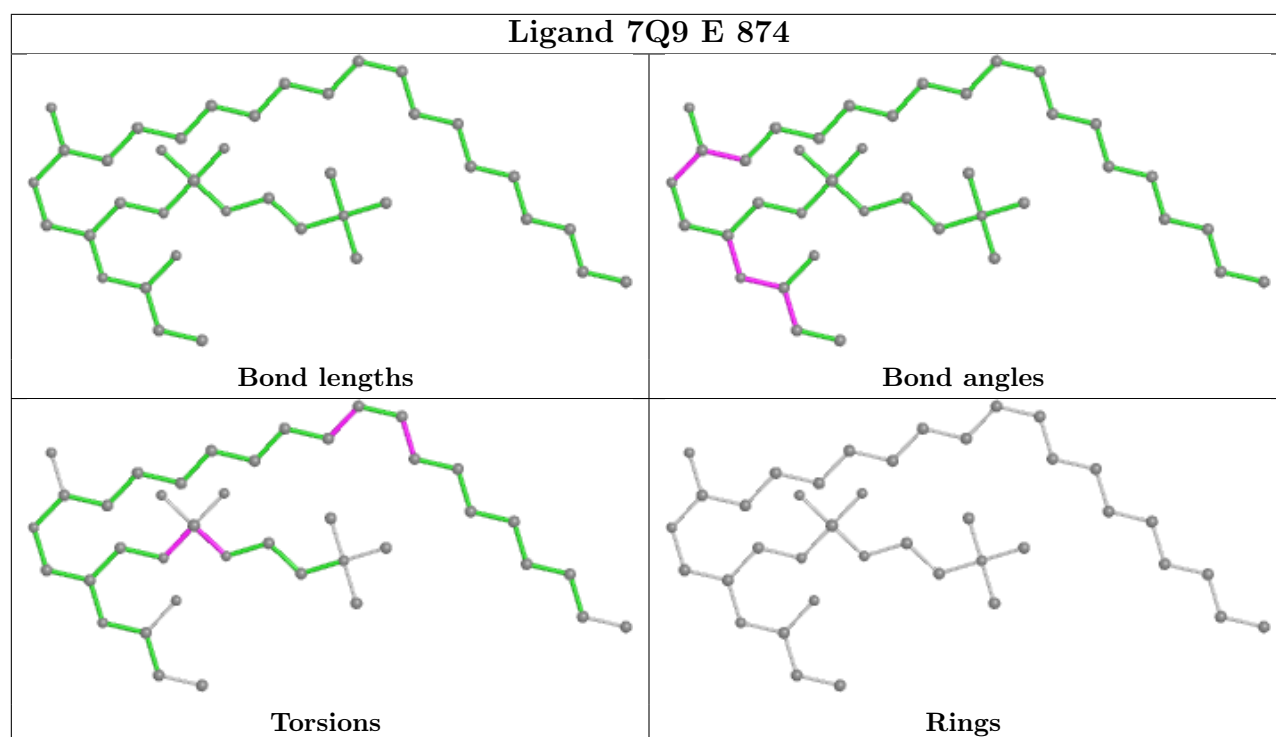


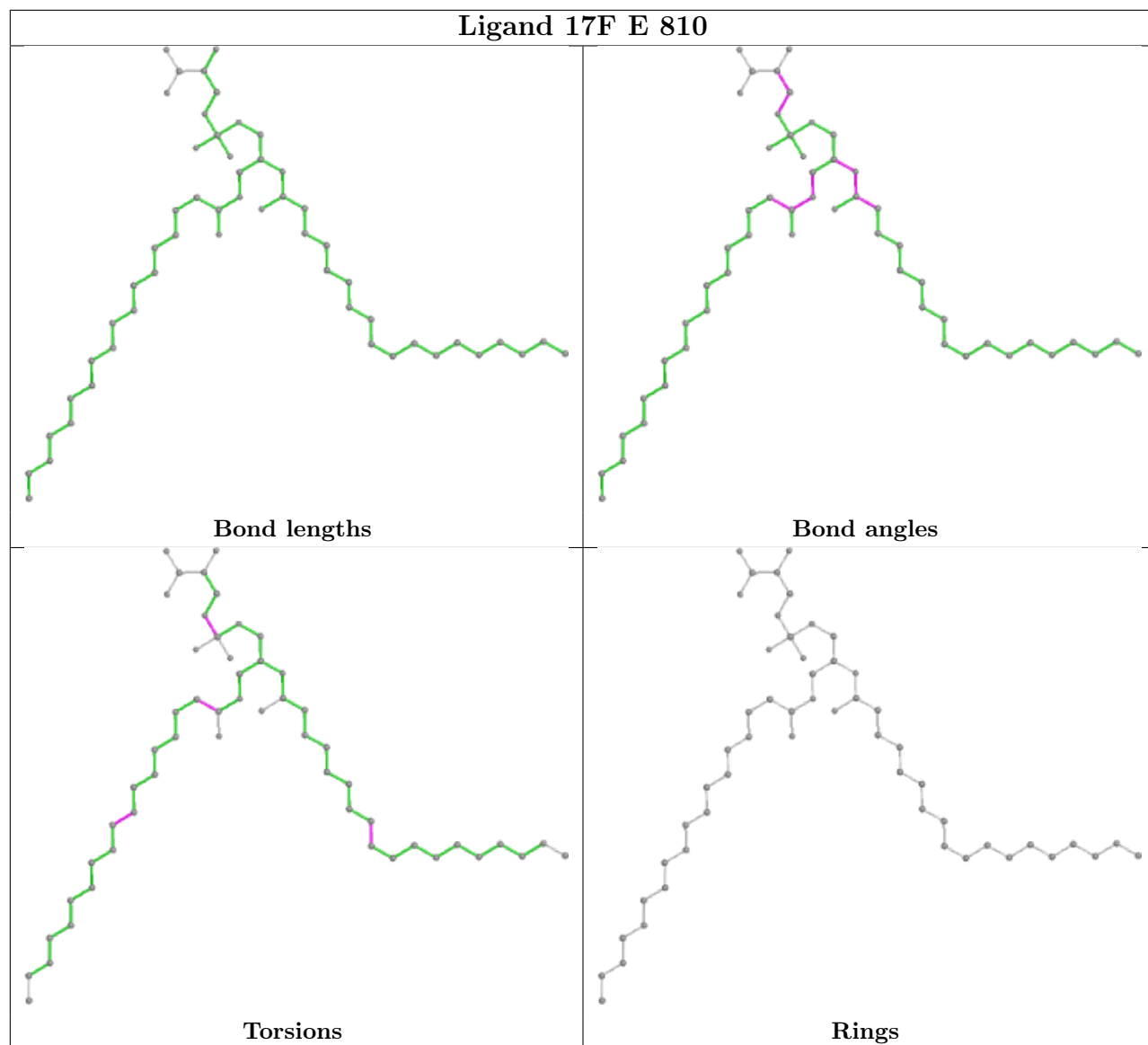
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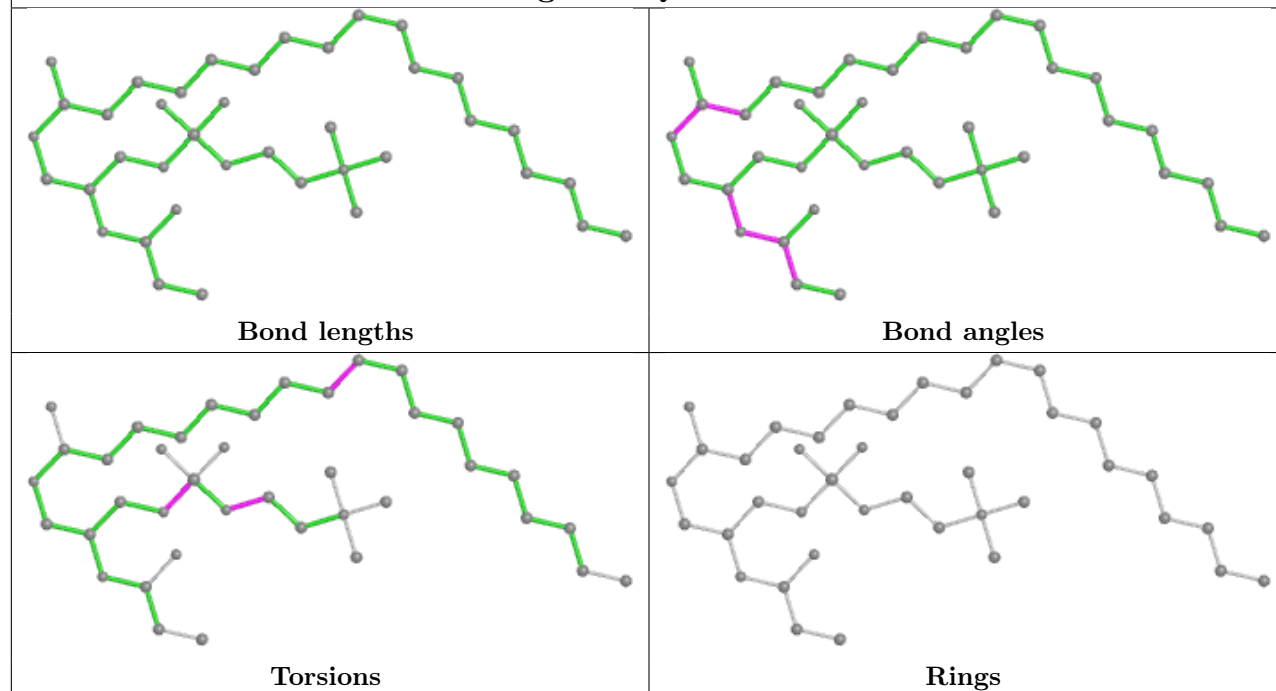
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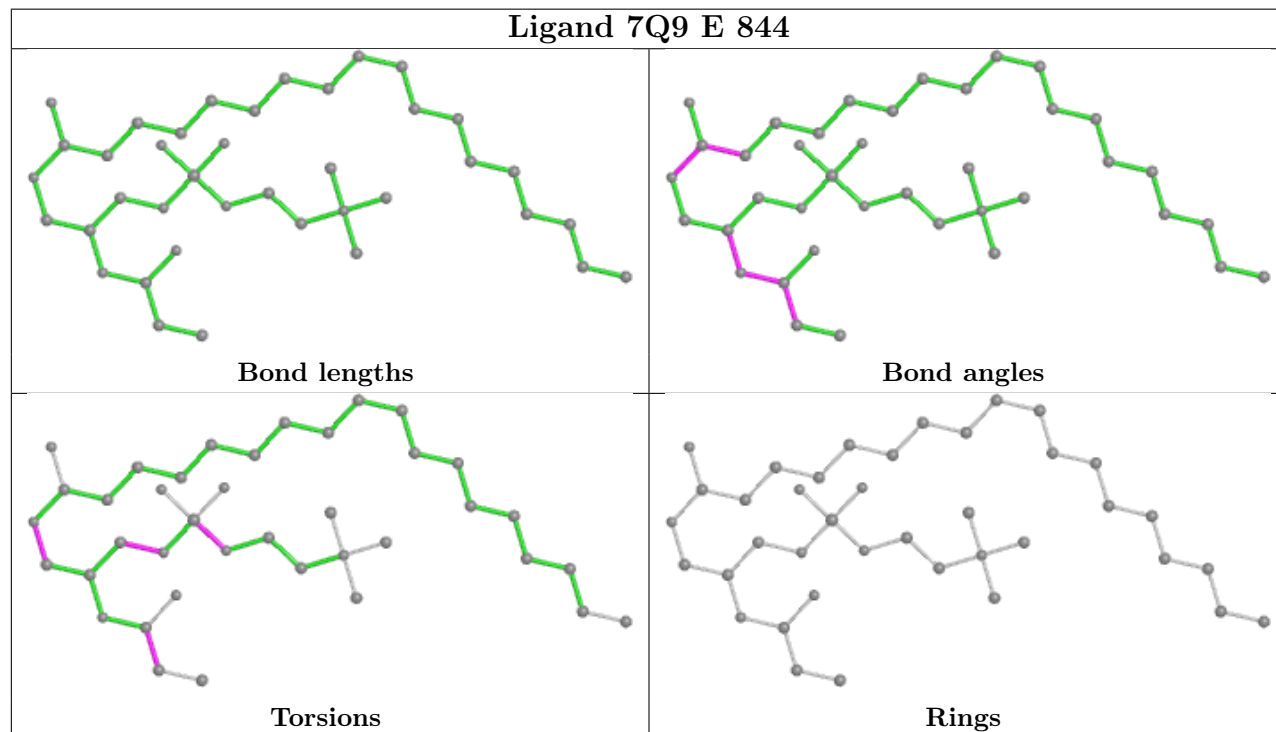


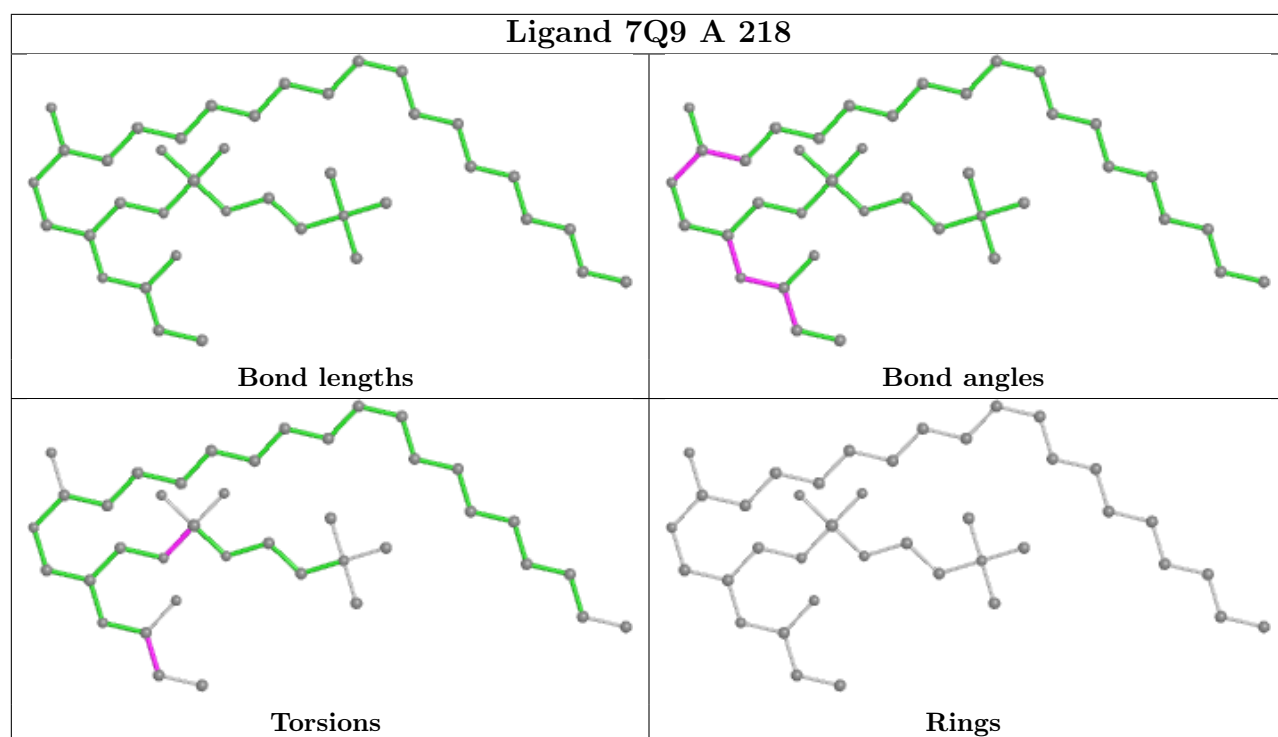


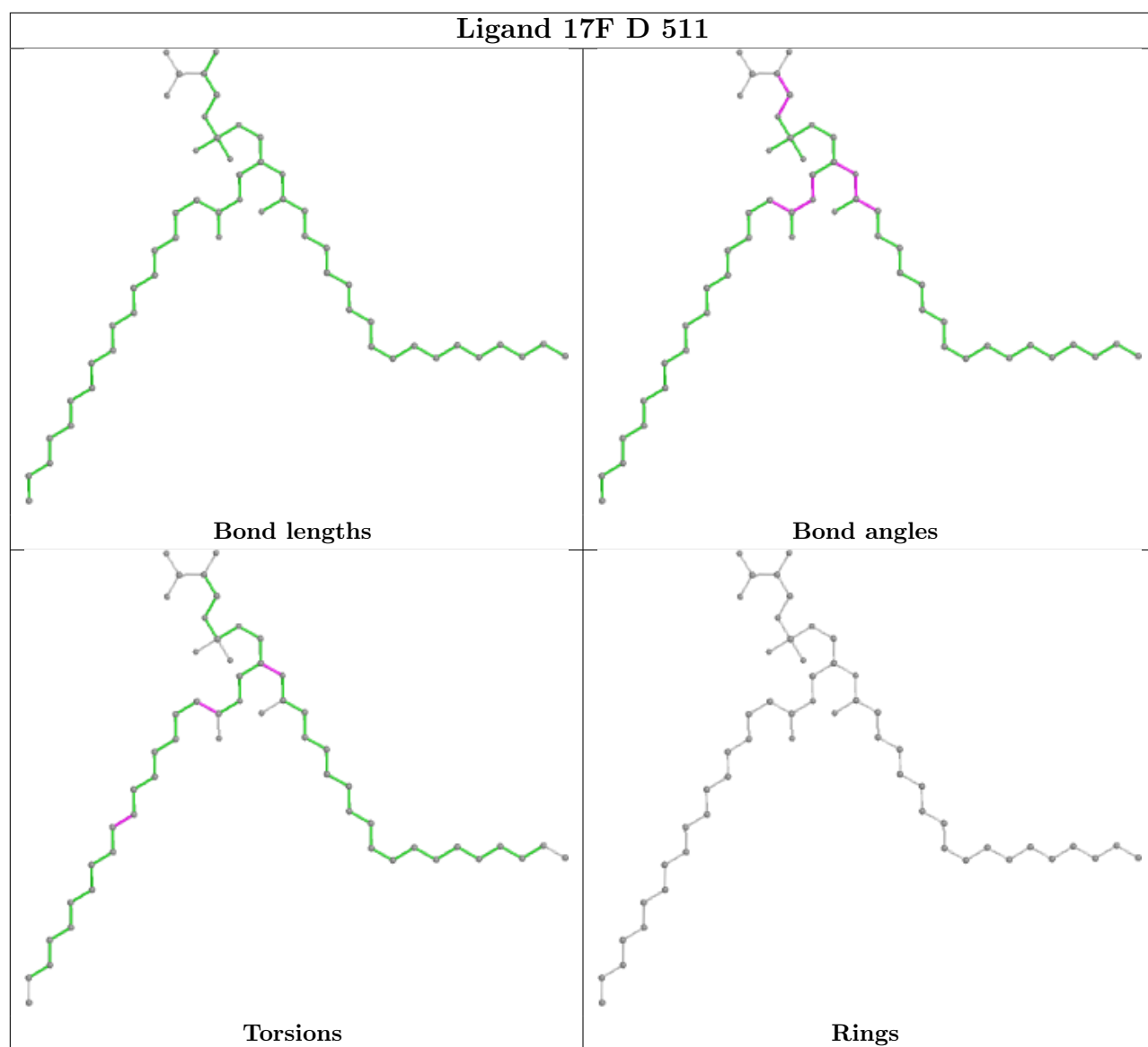
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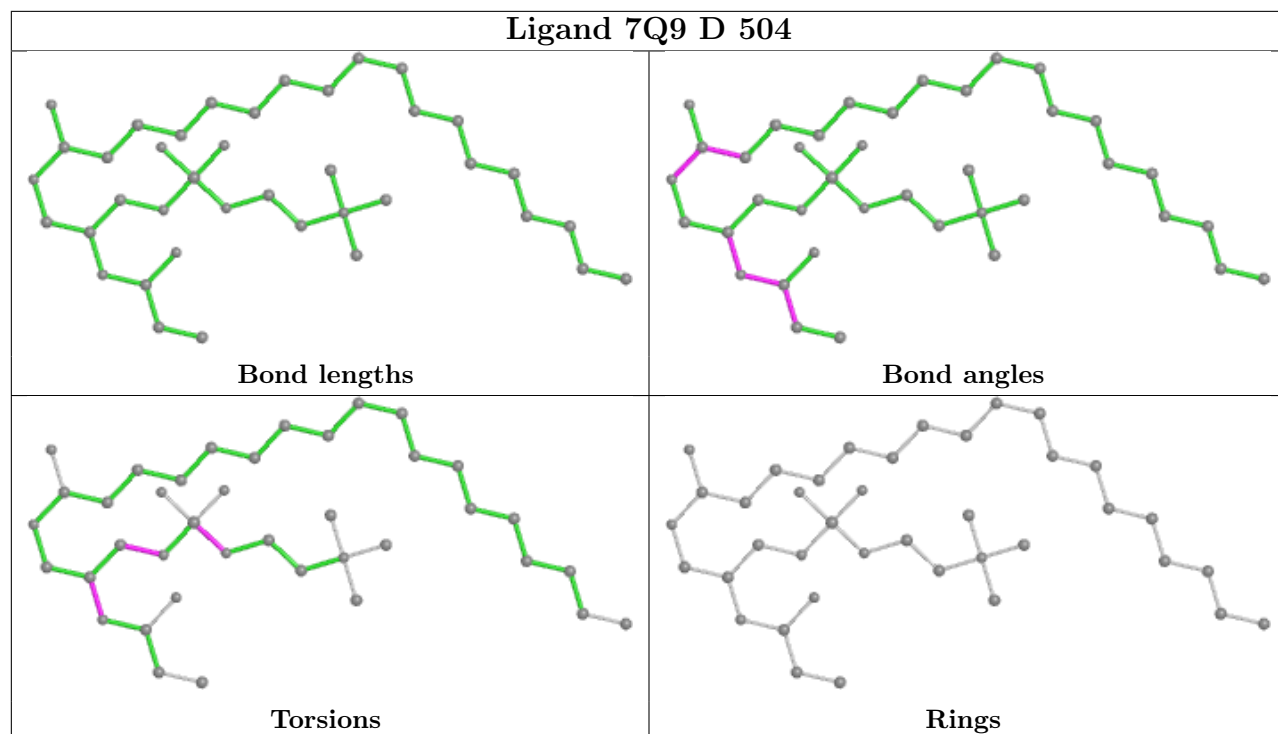


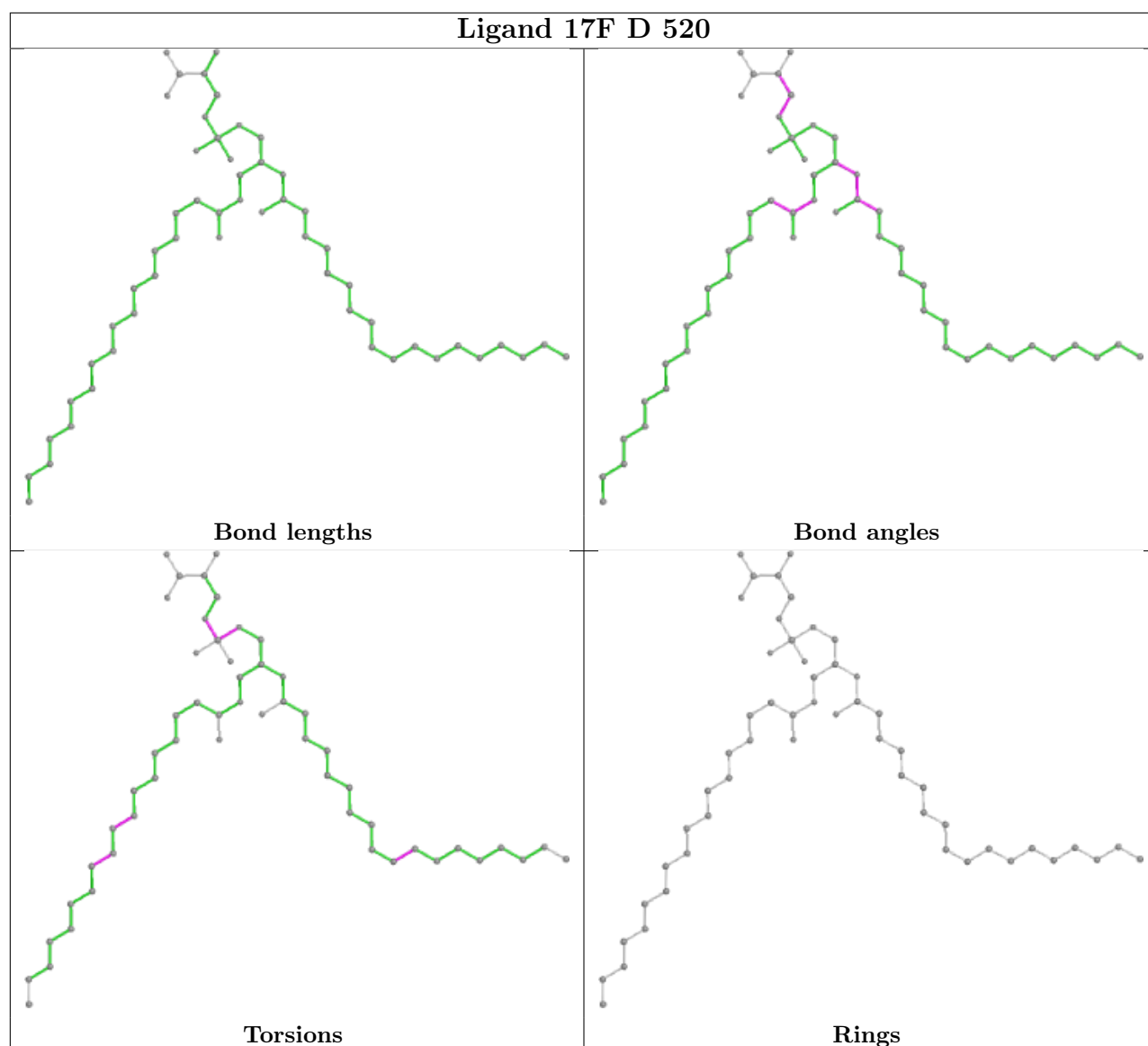
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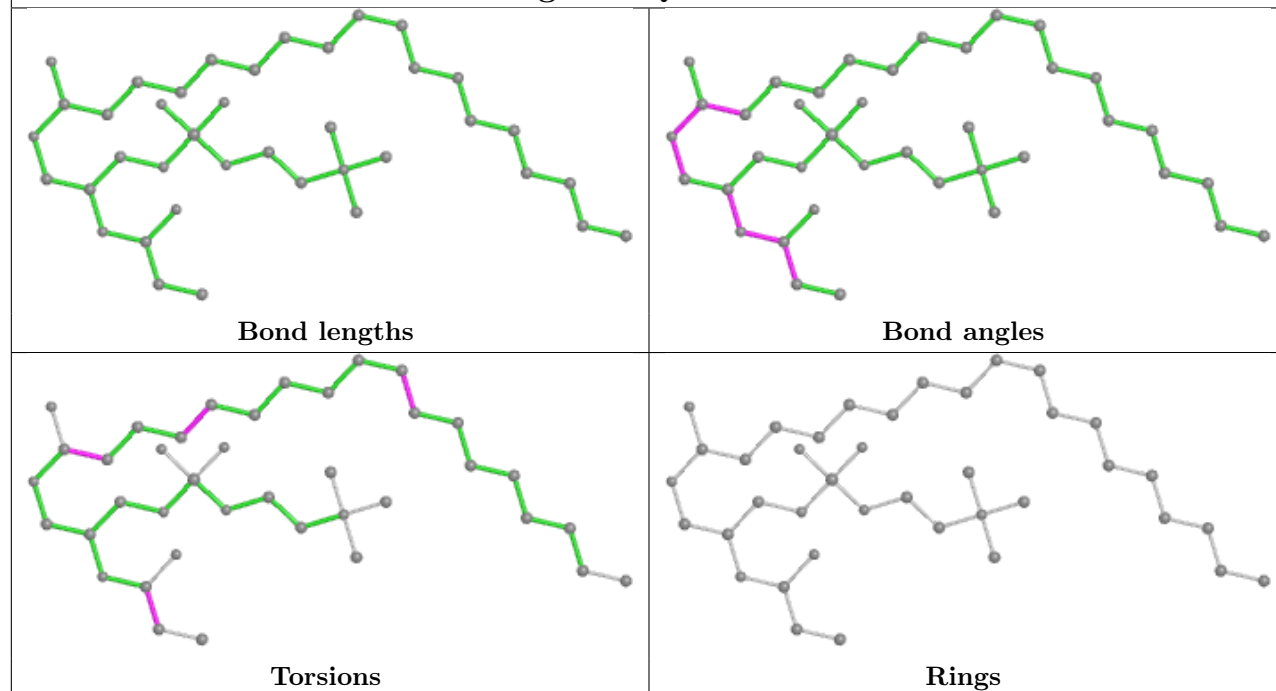




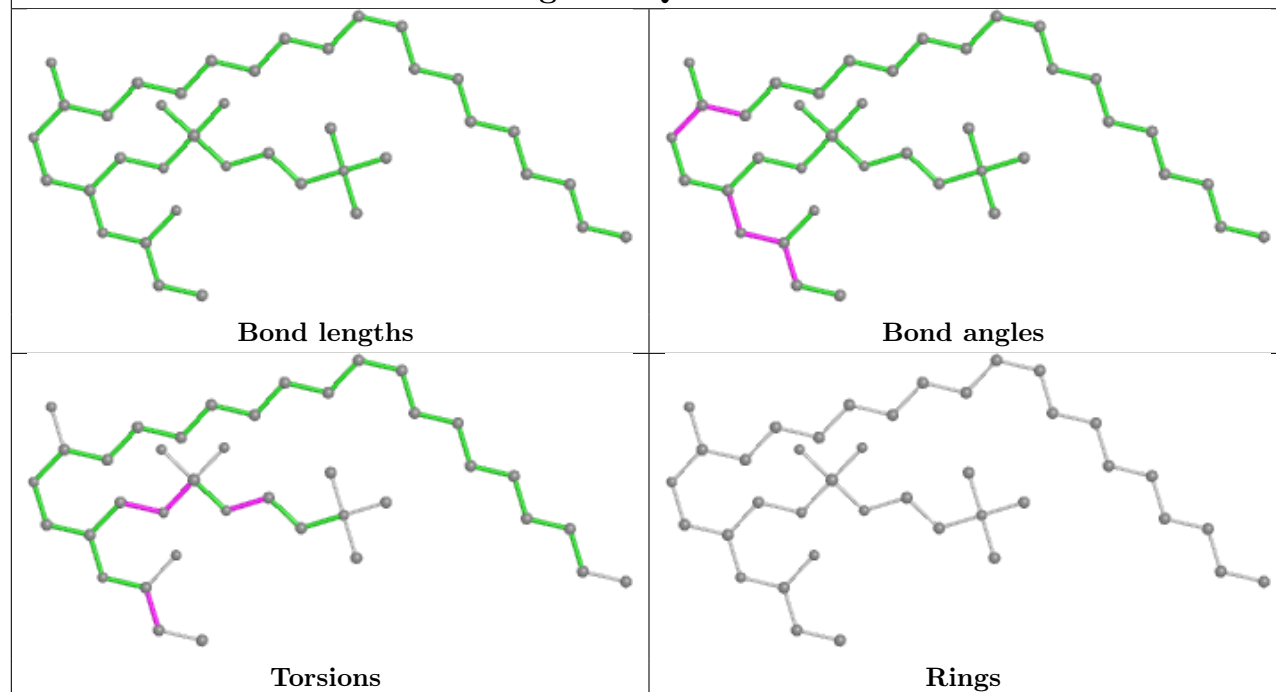




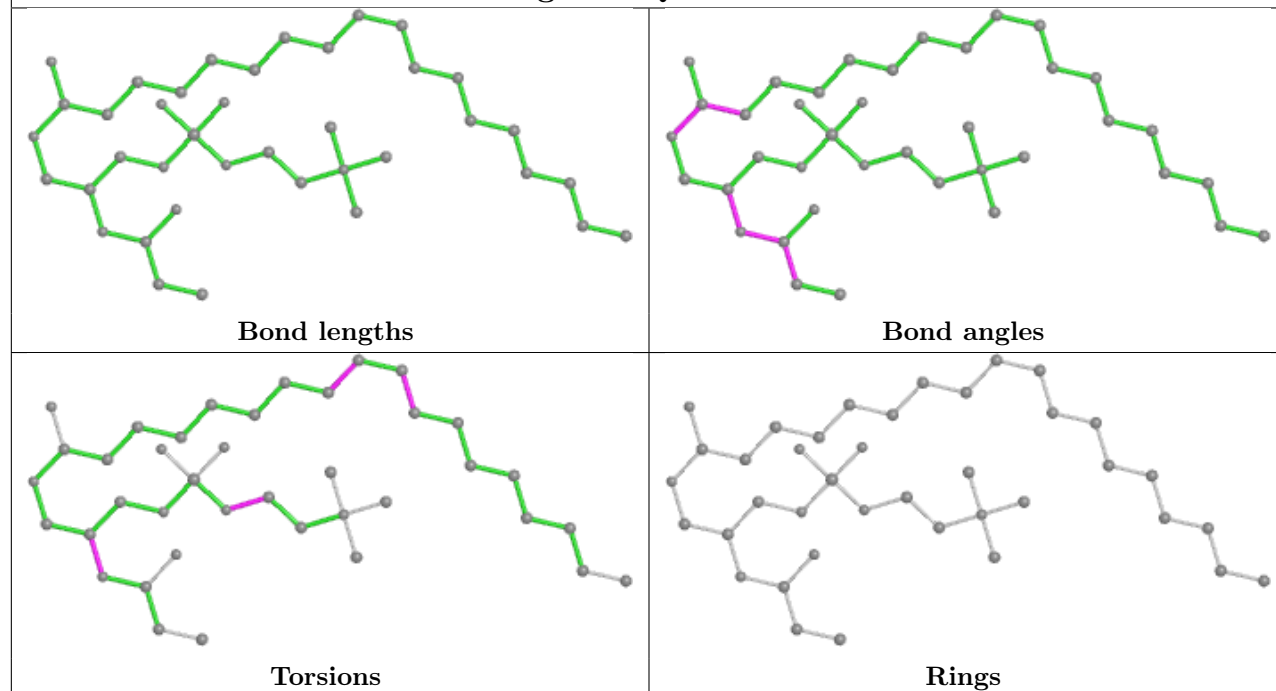
Ligand 7Q9 B 205



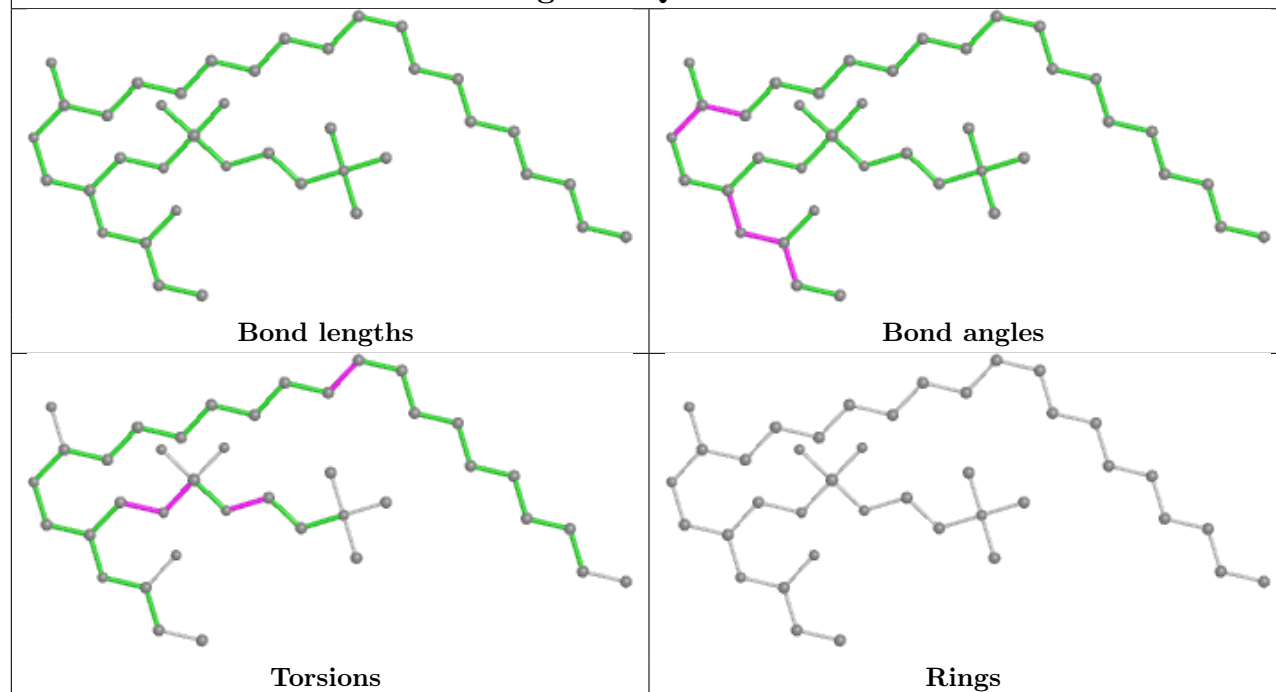
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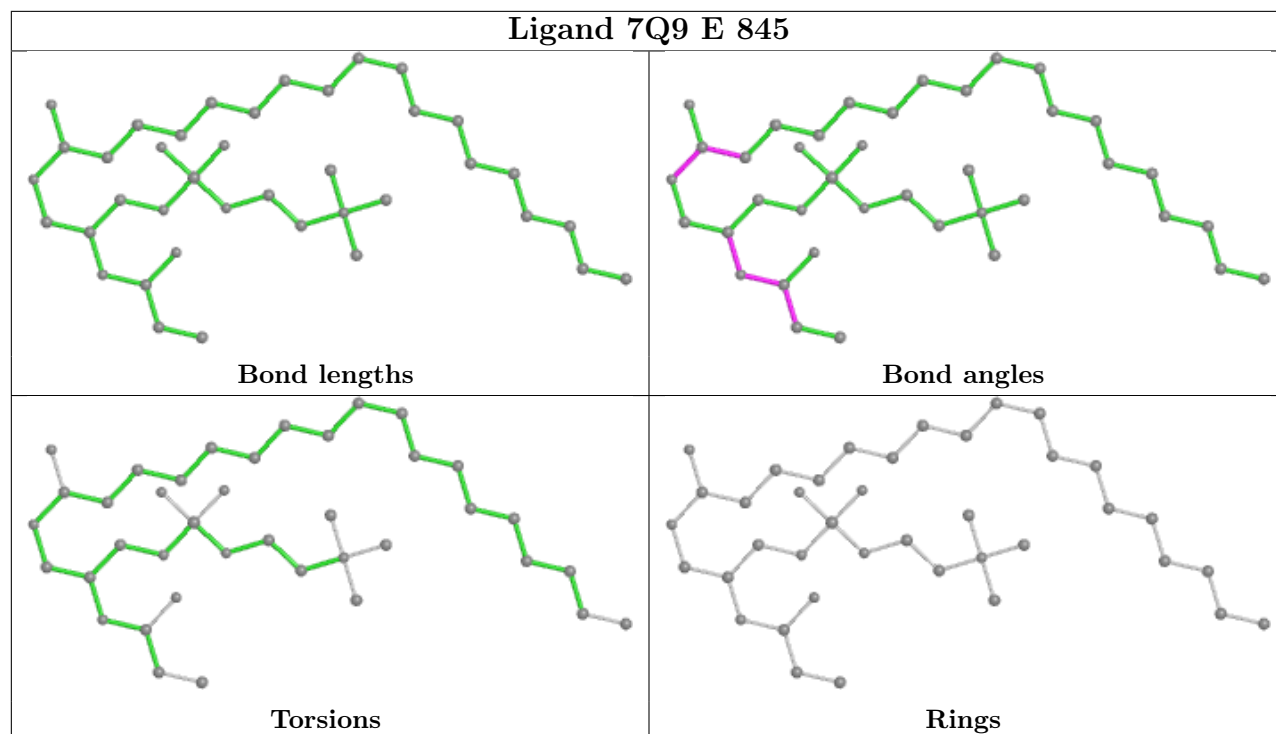
Ligand 7Q9 D 527



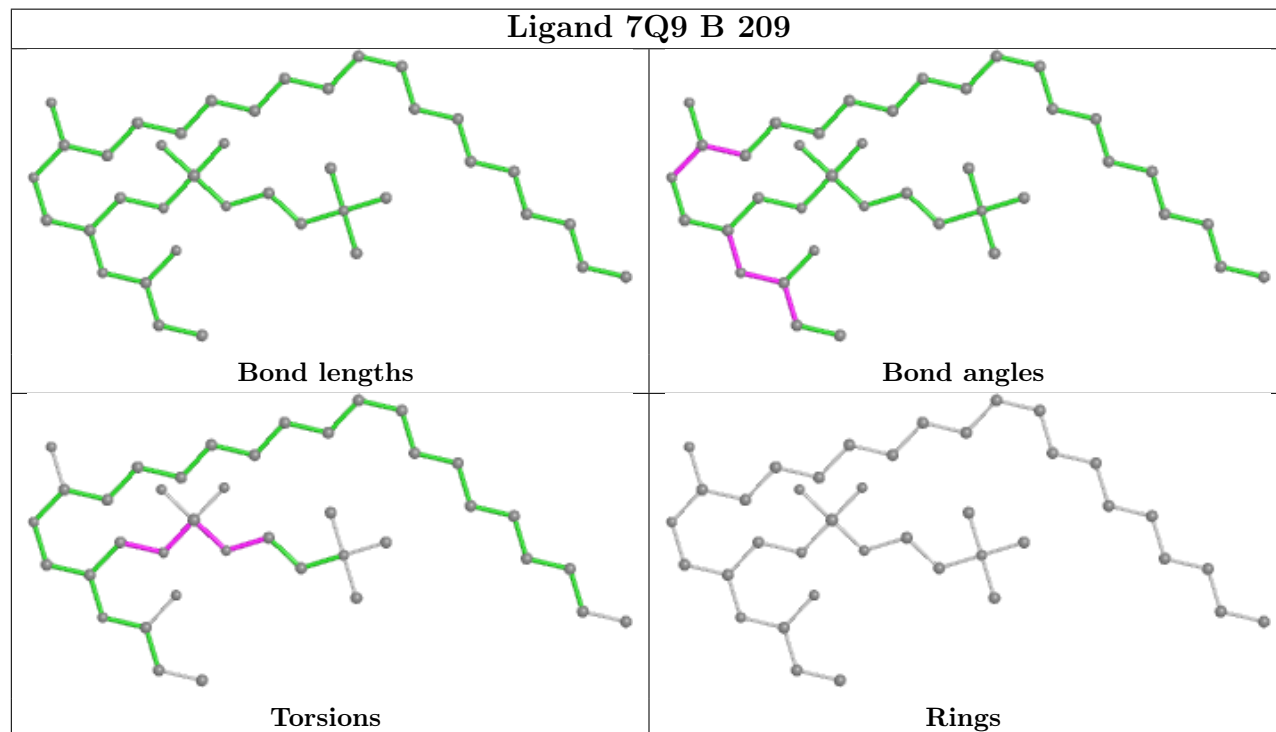
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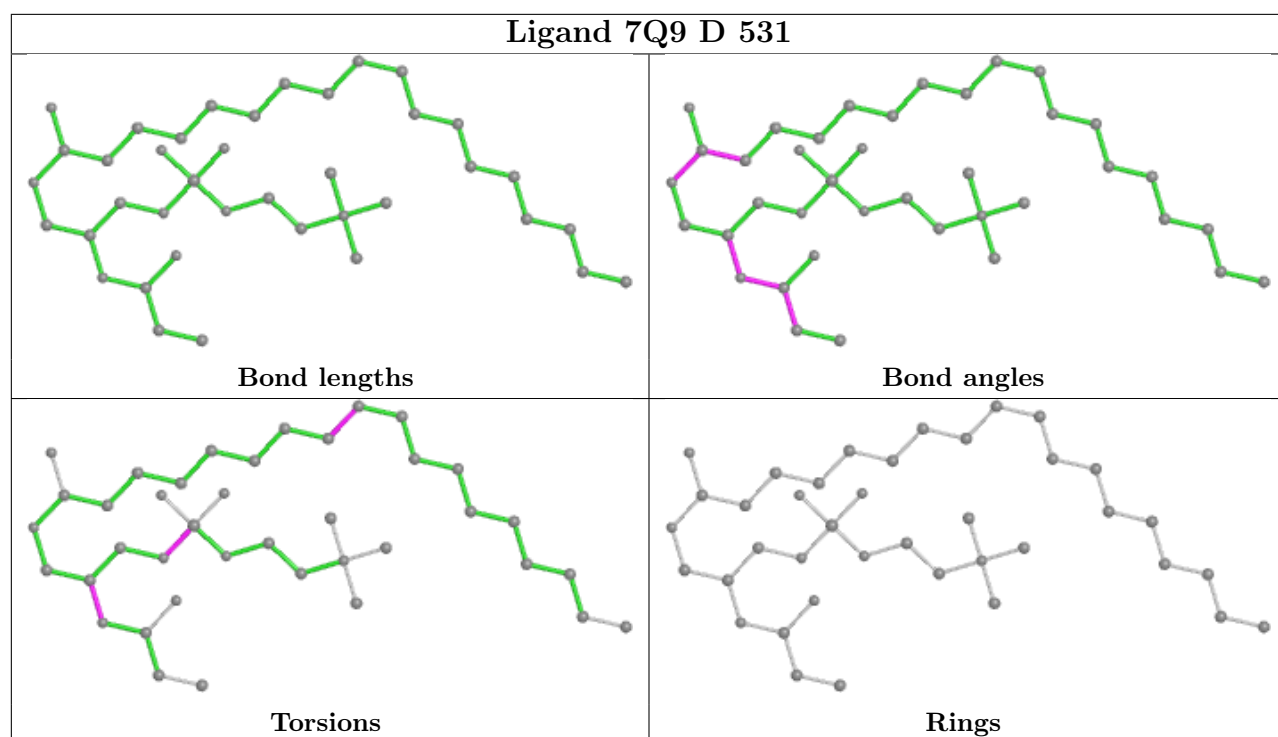


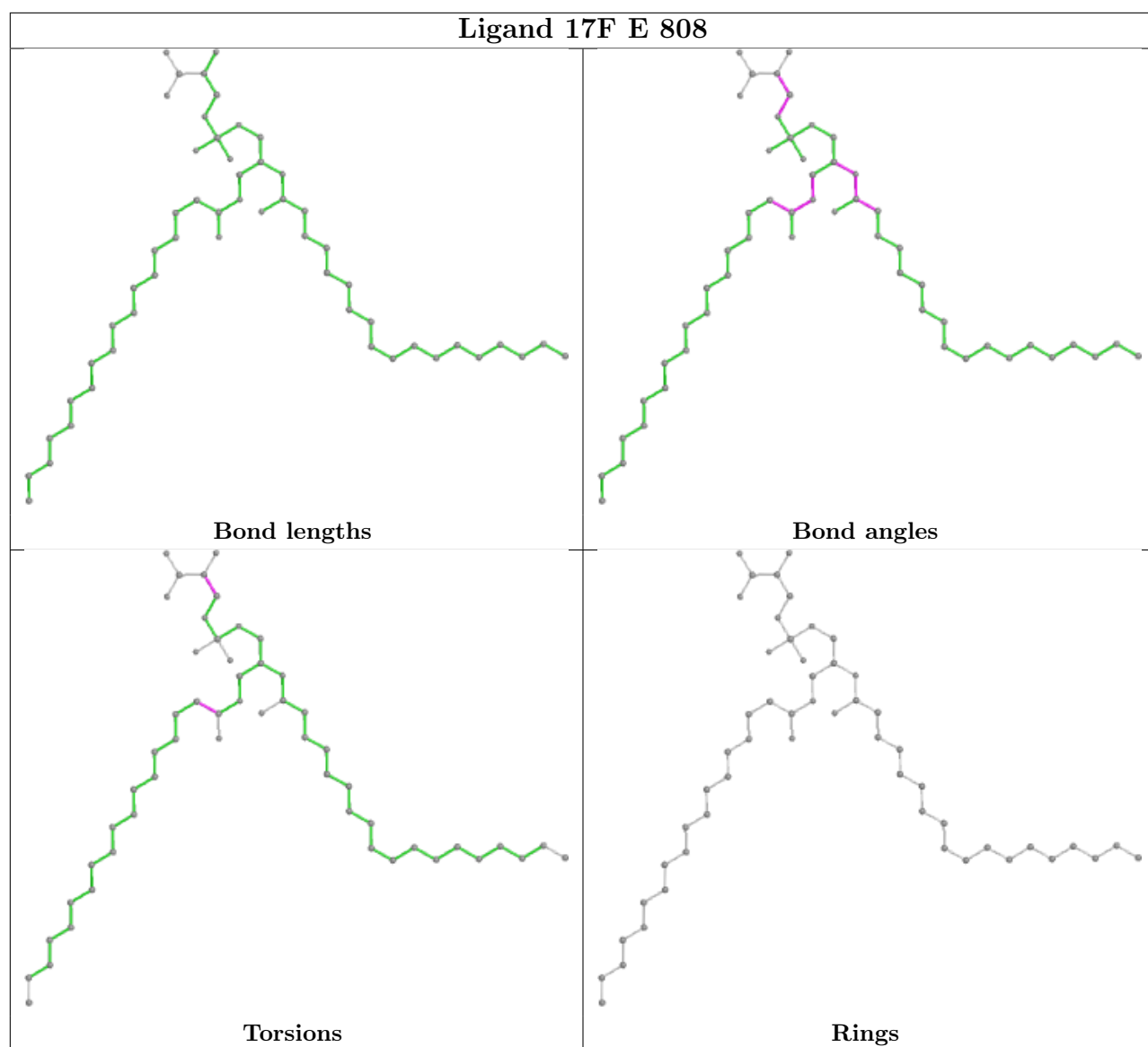
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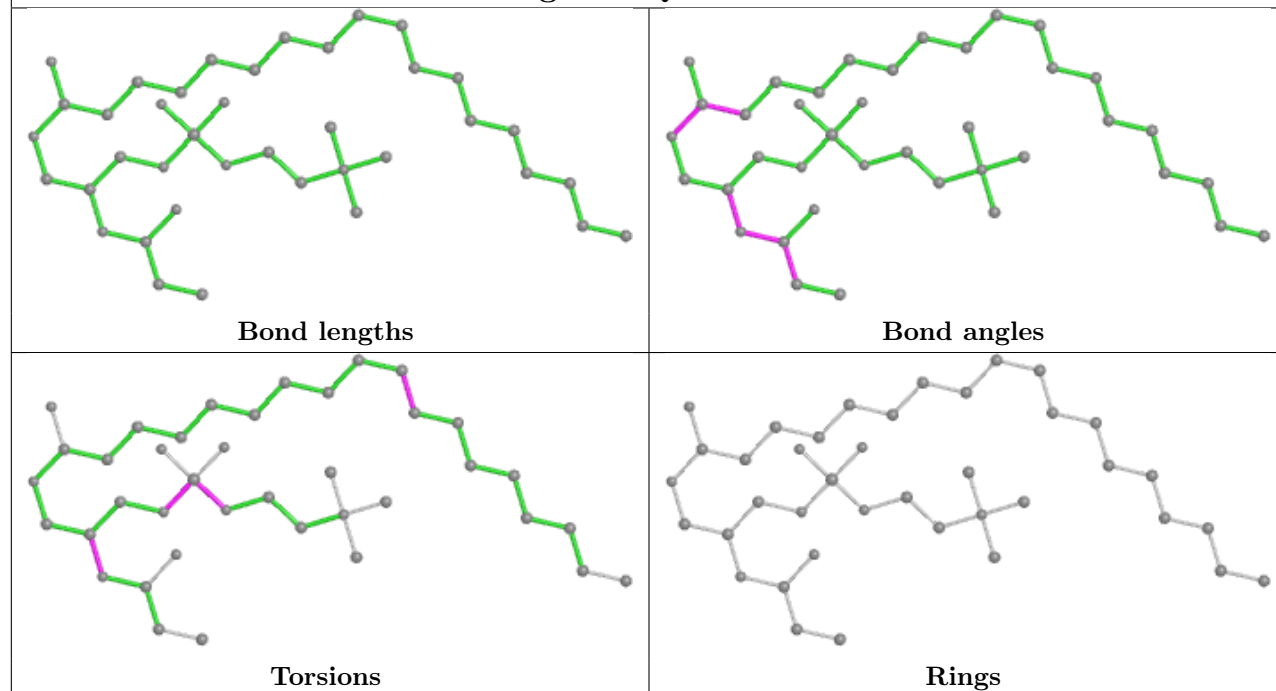
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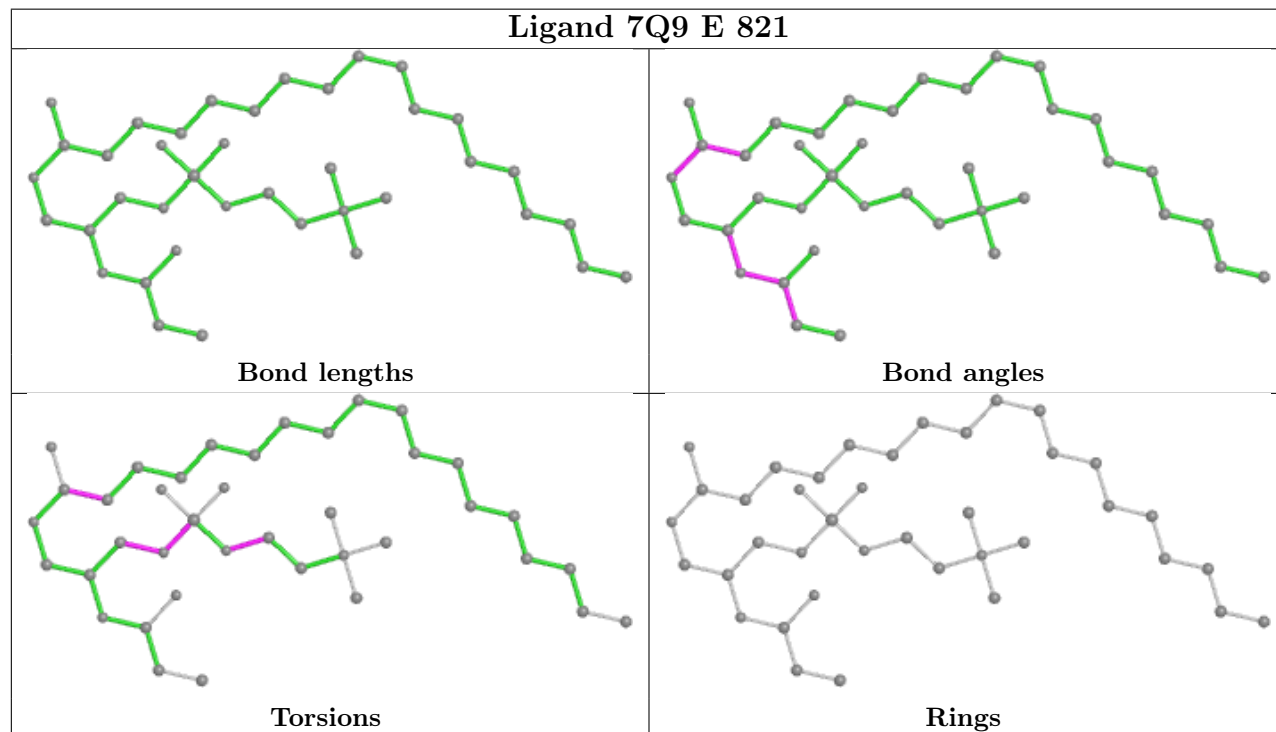




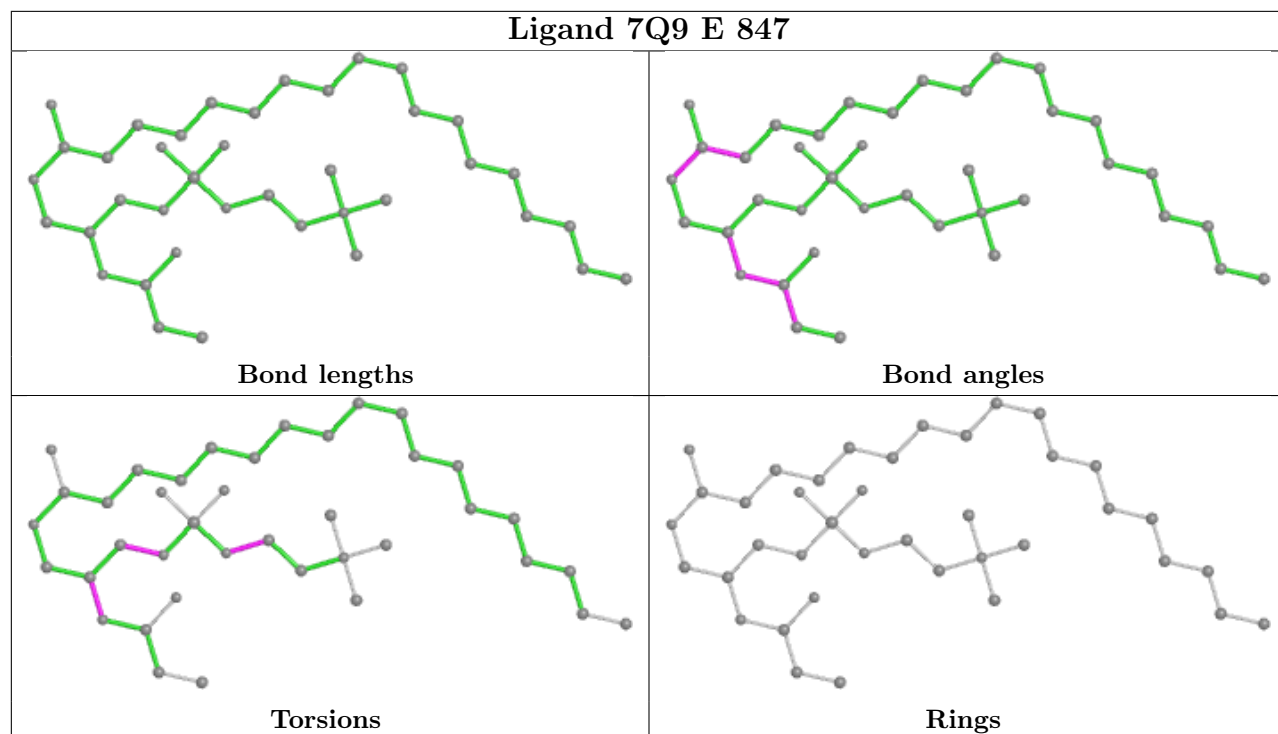
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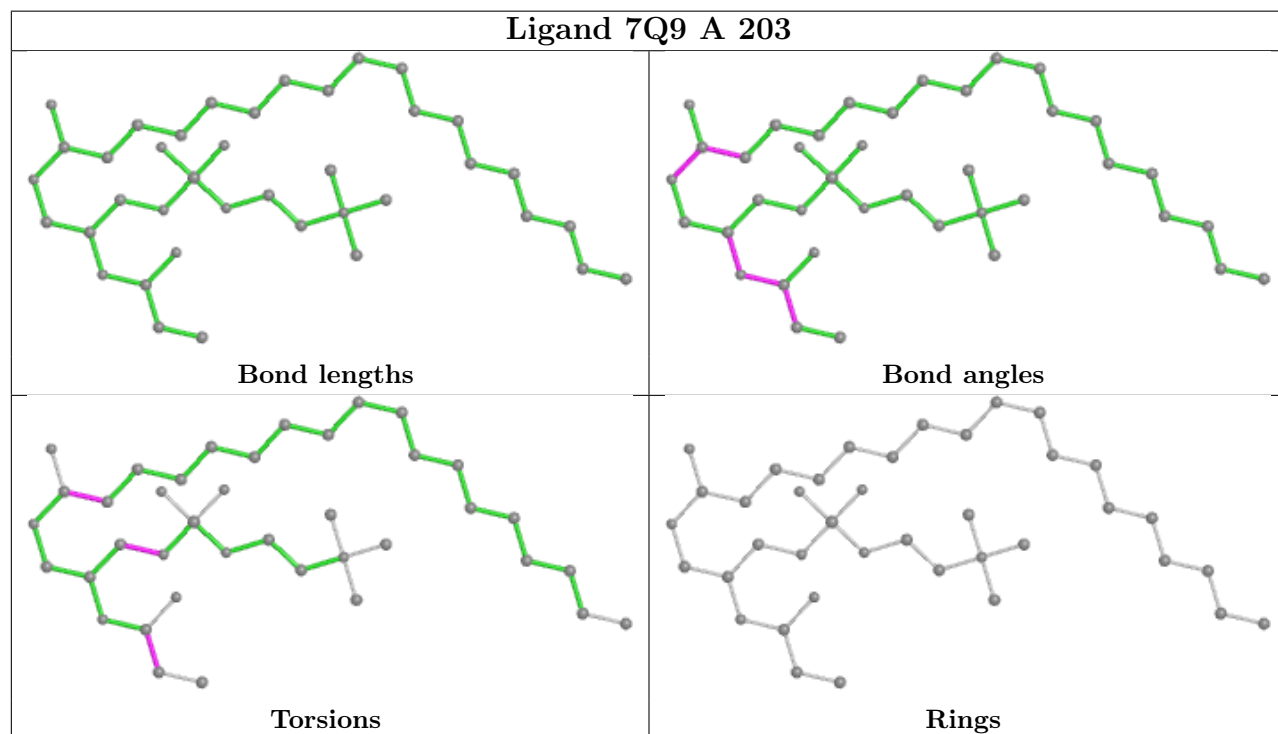
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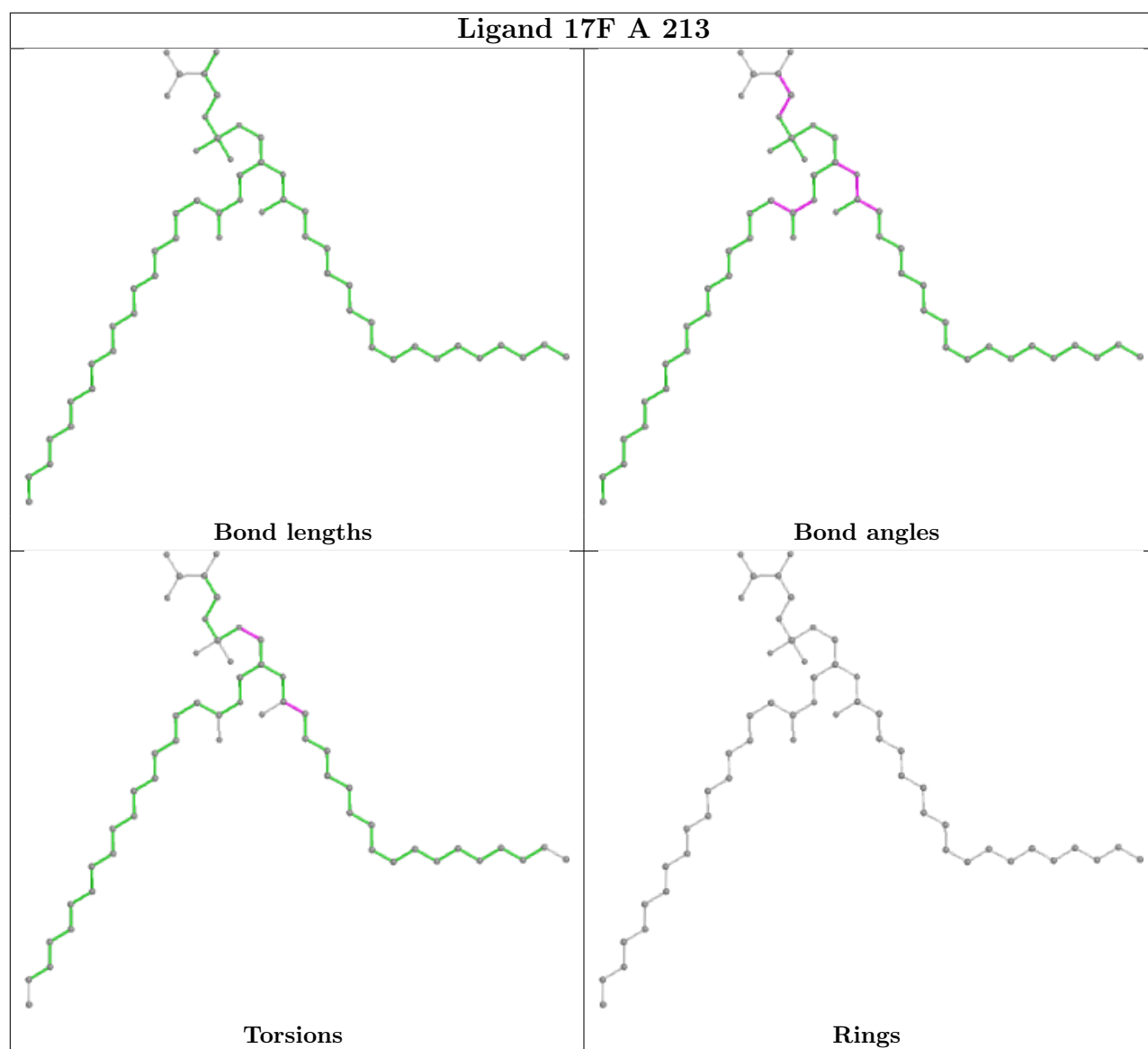


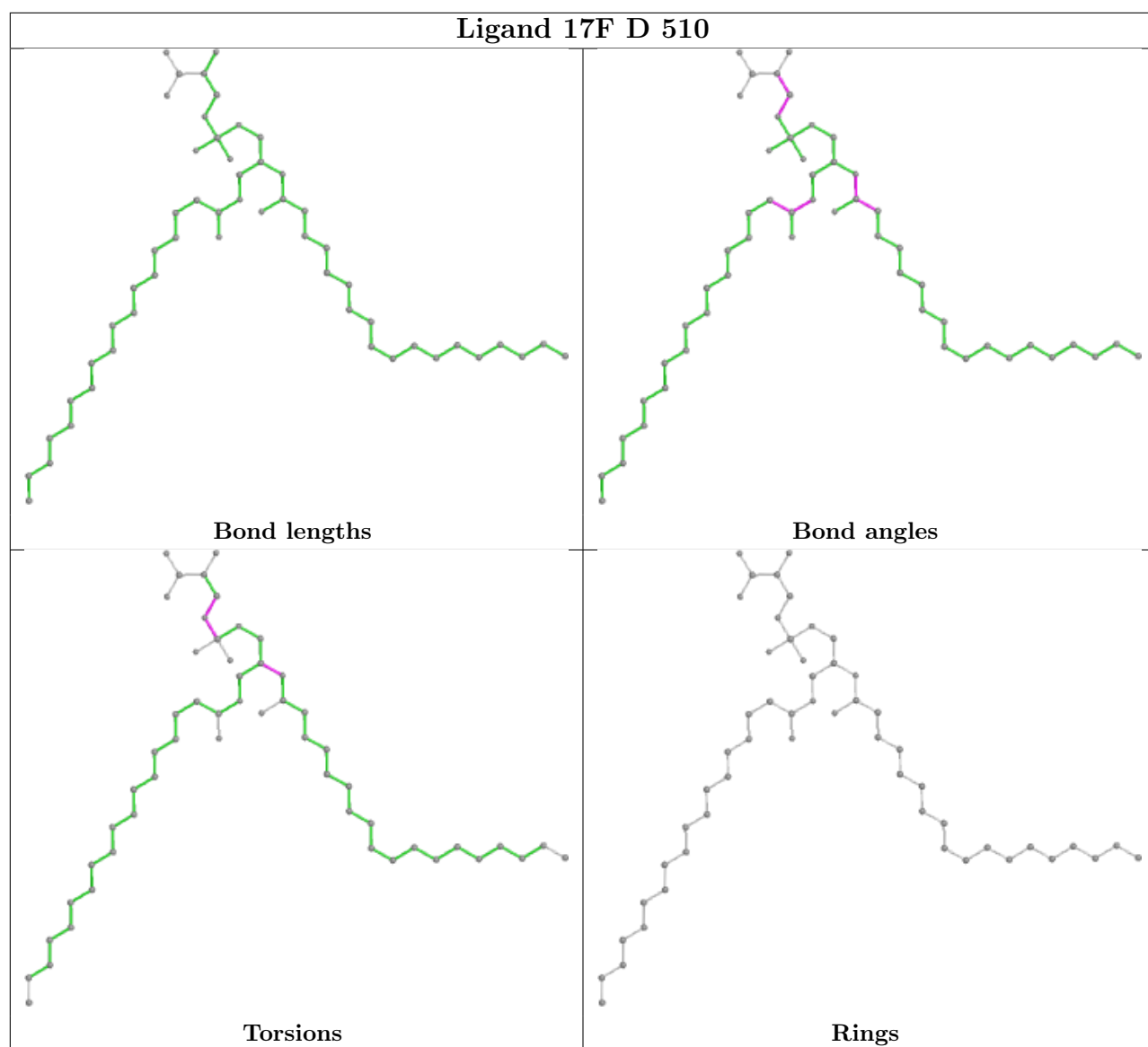
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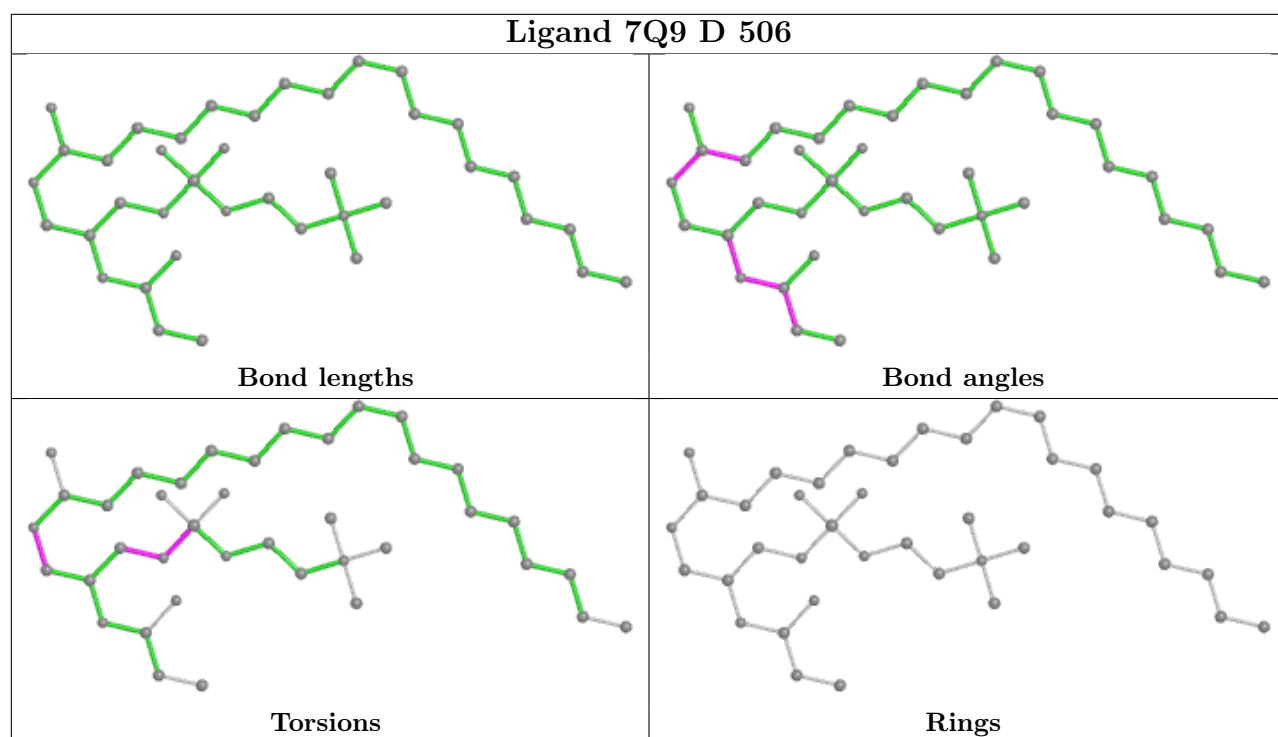


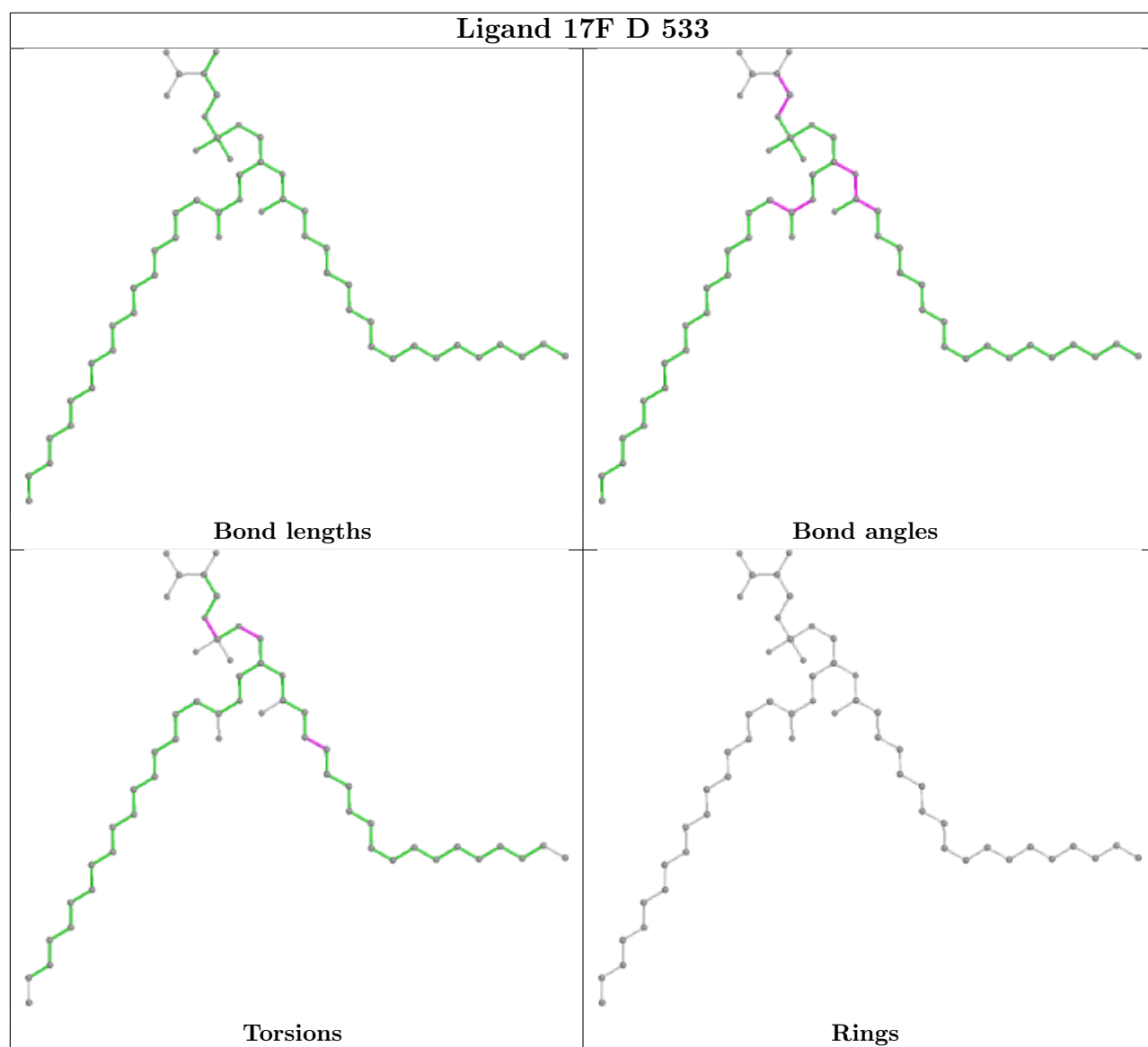
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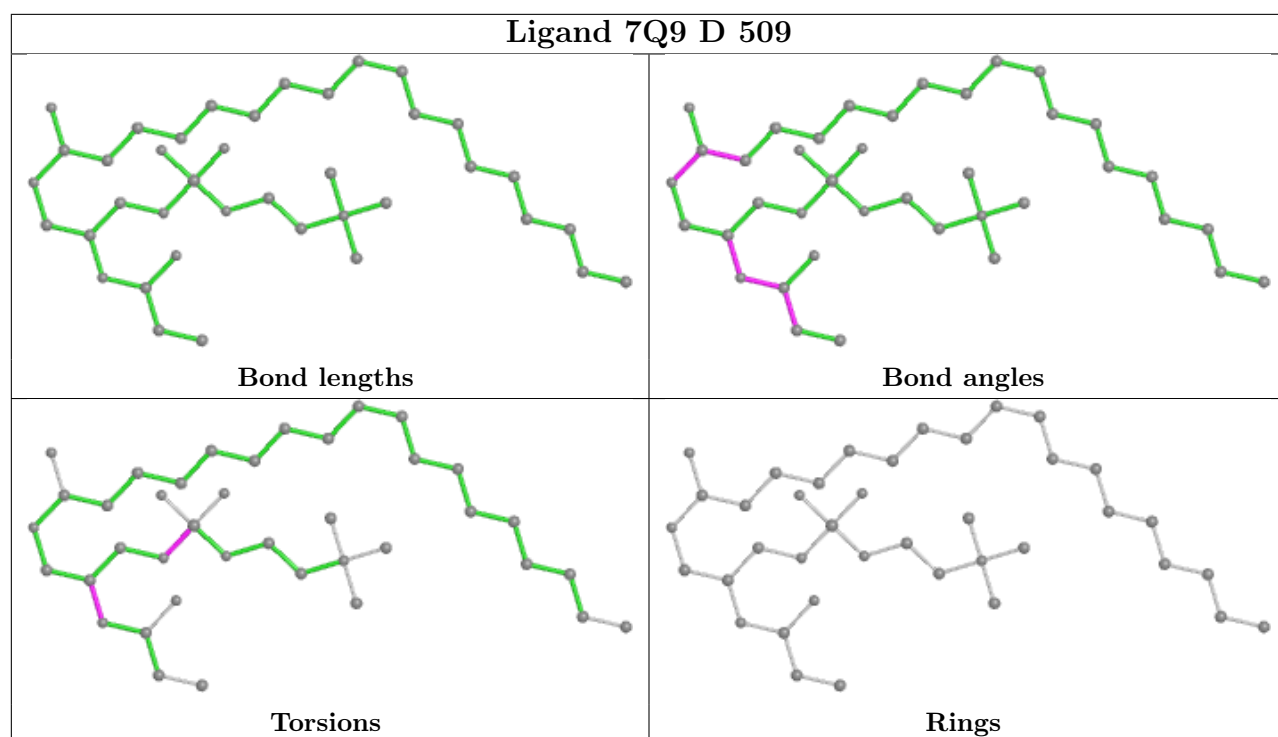


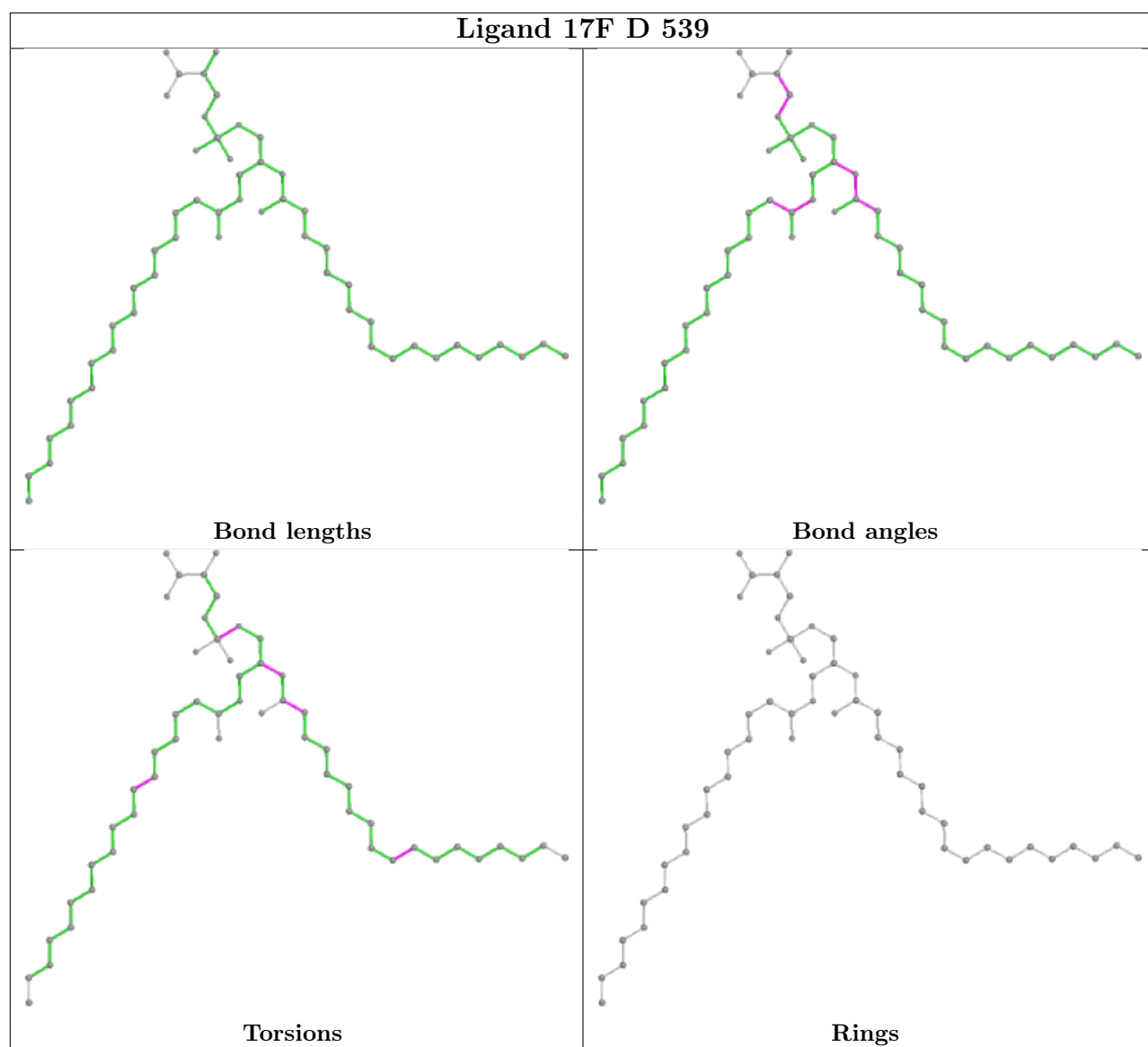


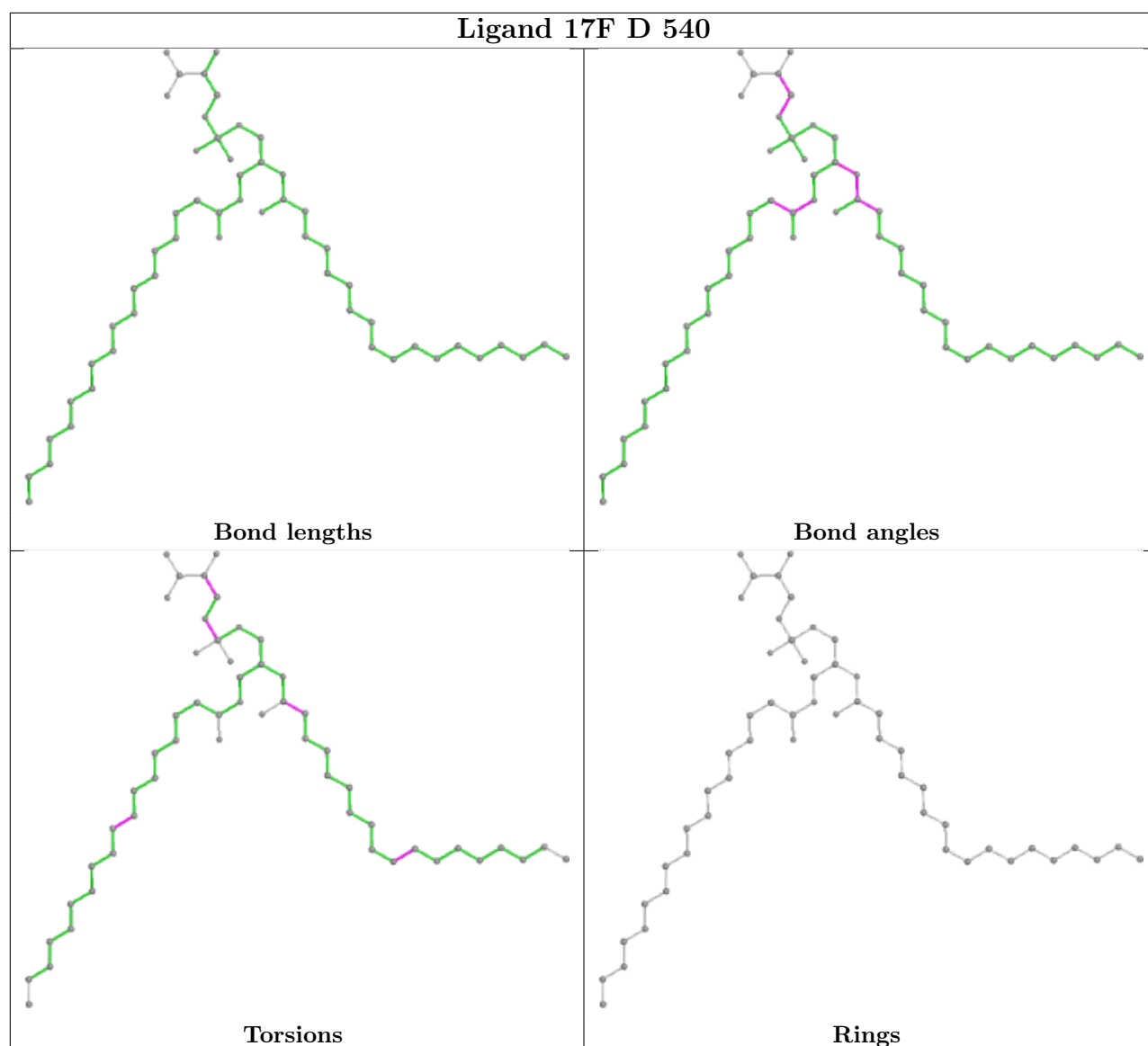




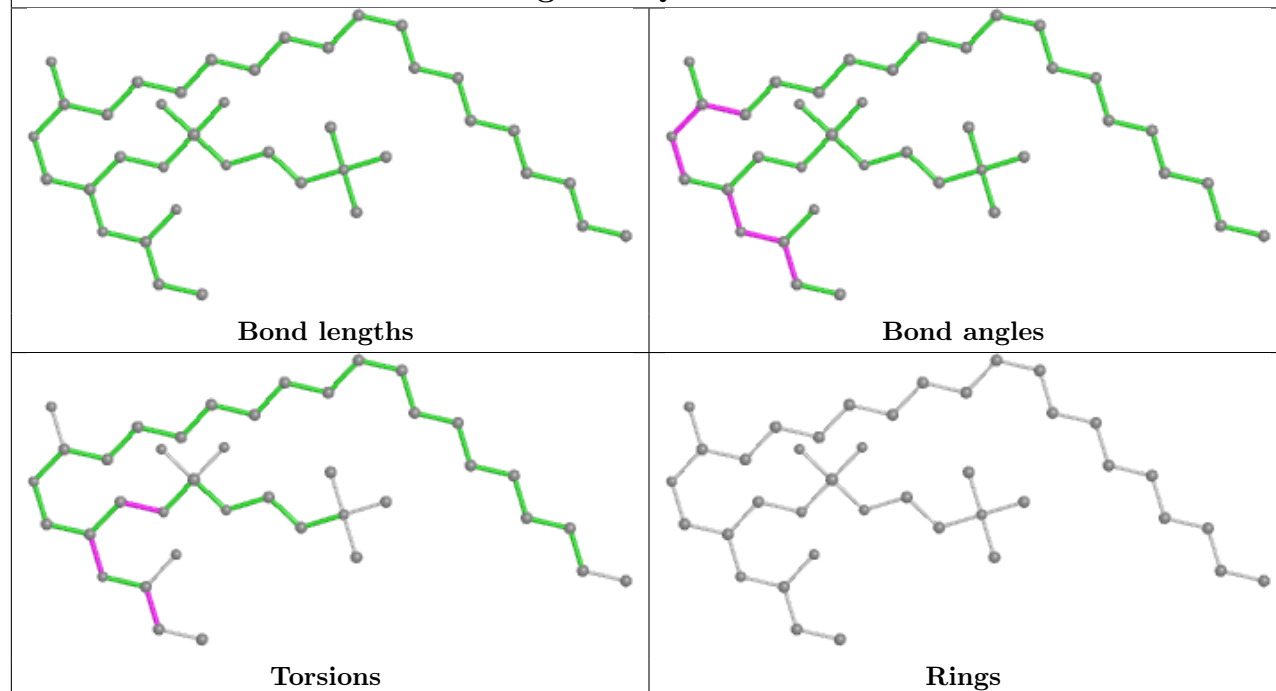




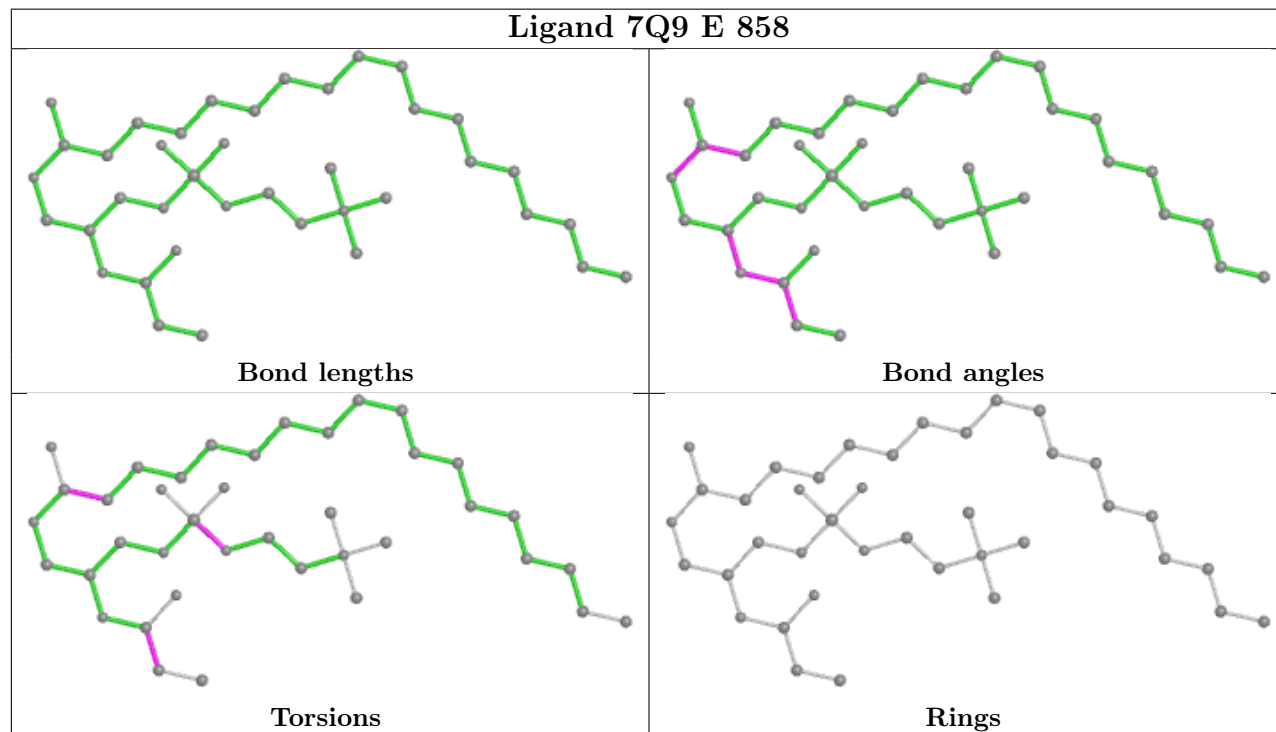




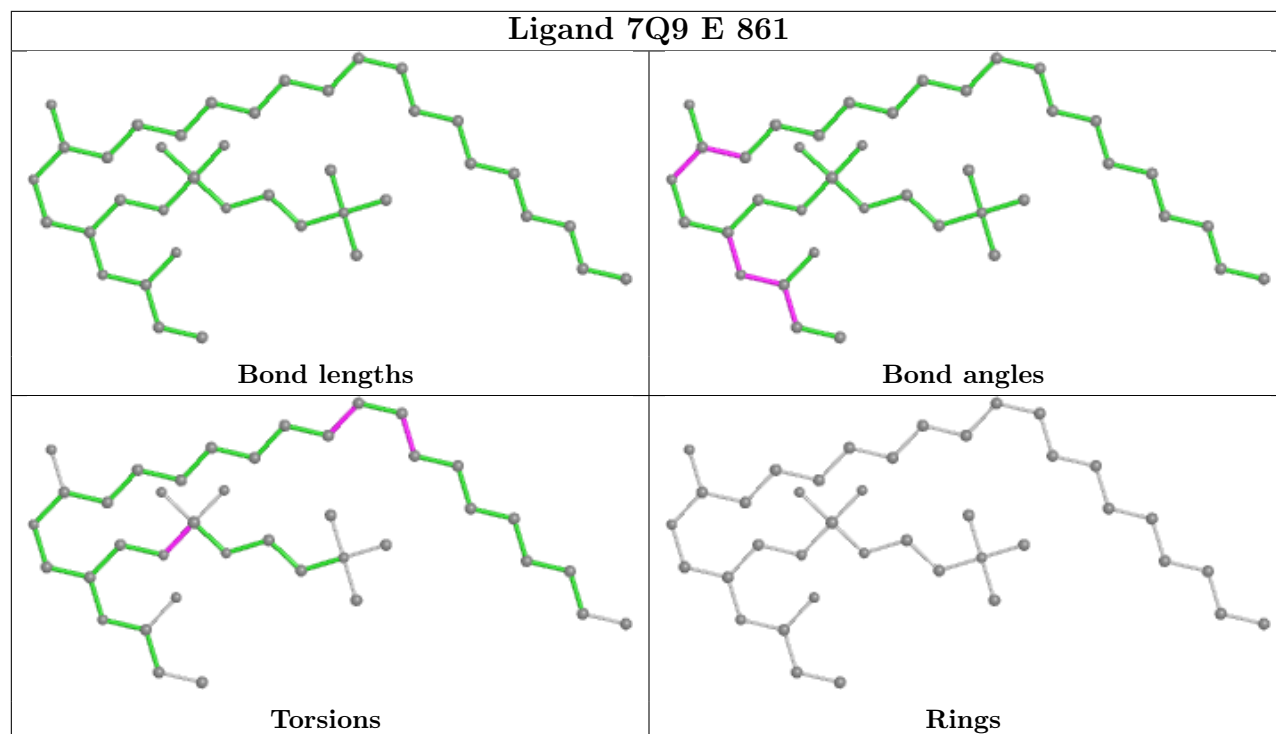
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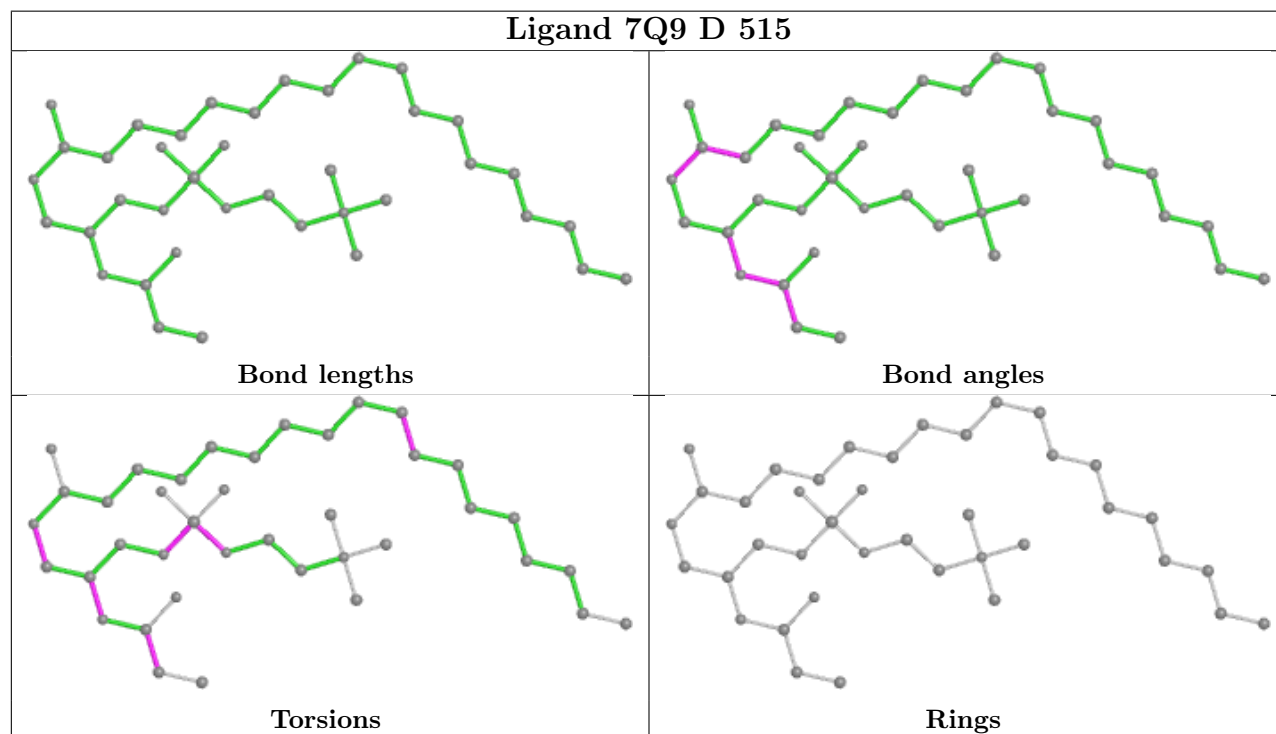
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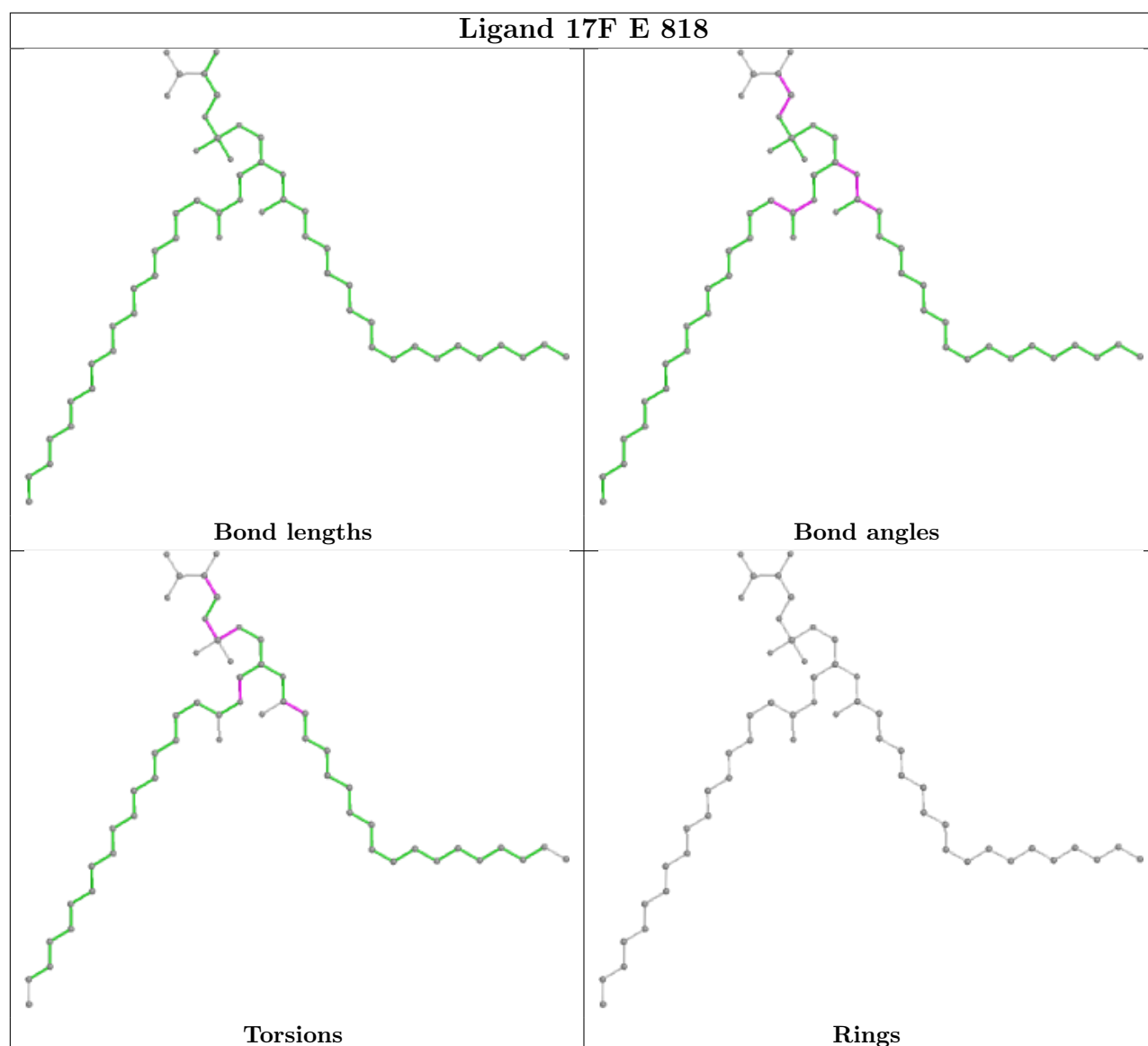


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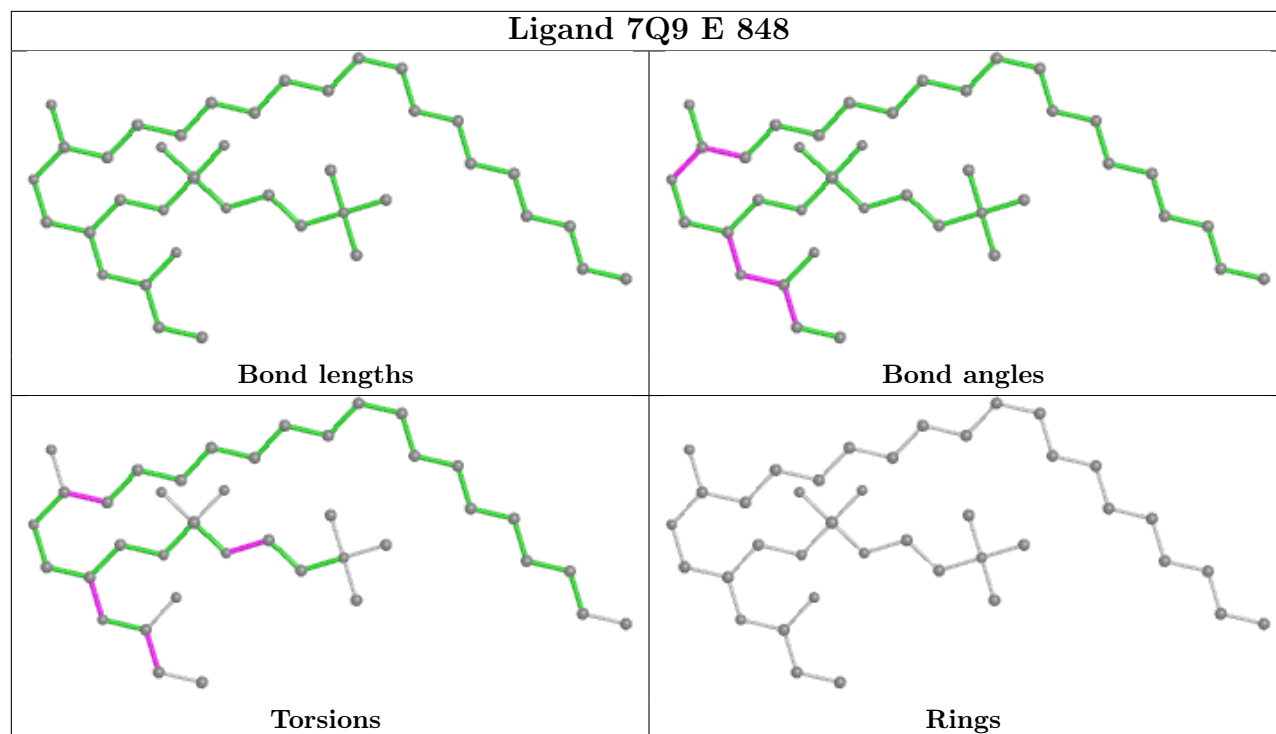


Ligand 7Q9 D 515

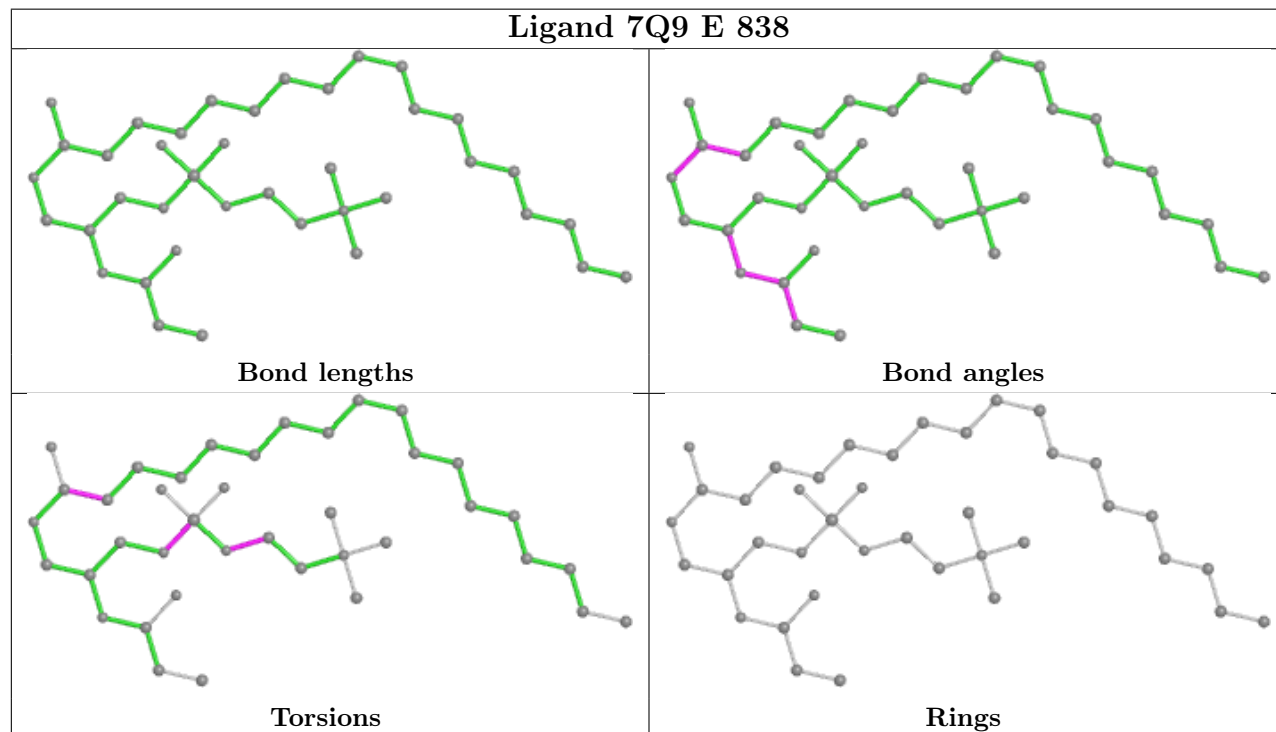


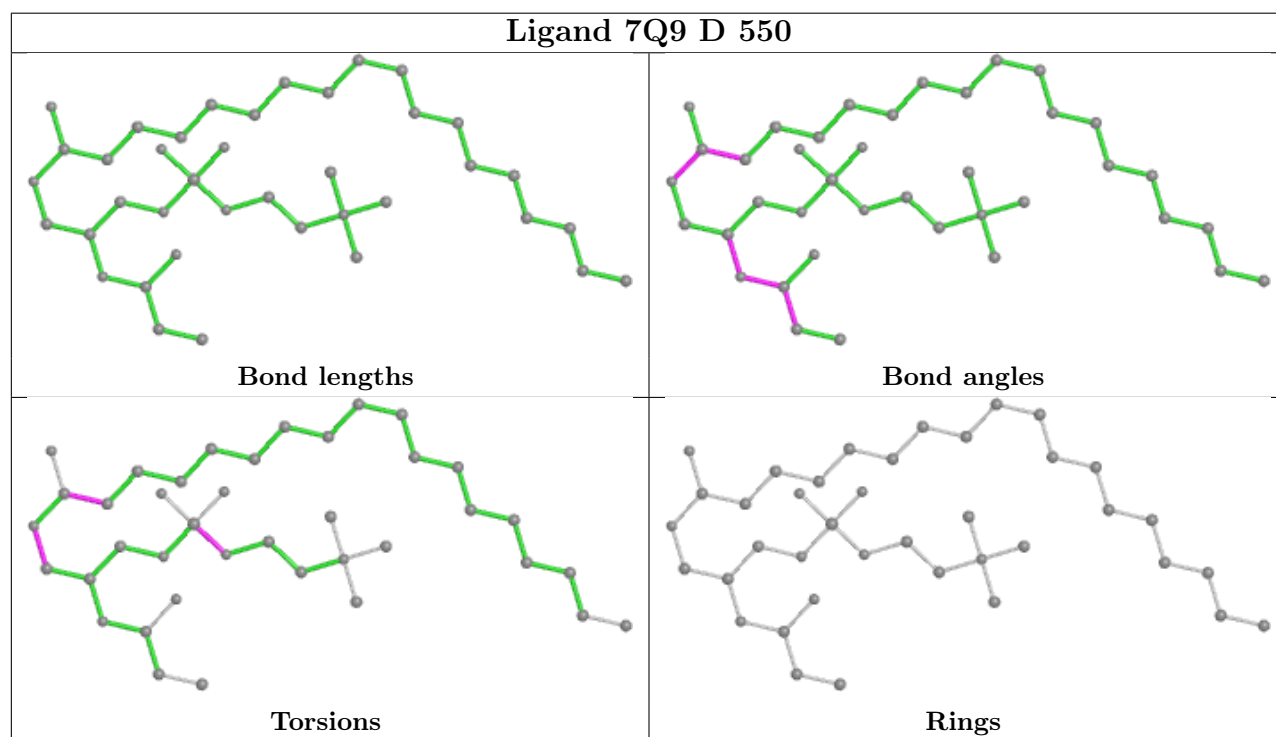
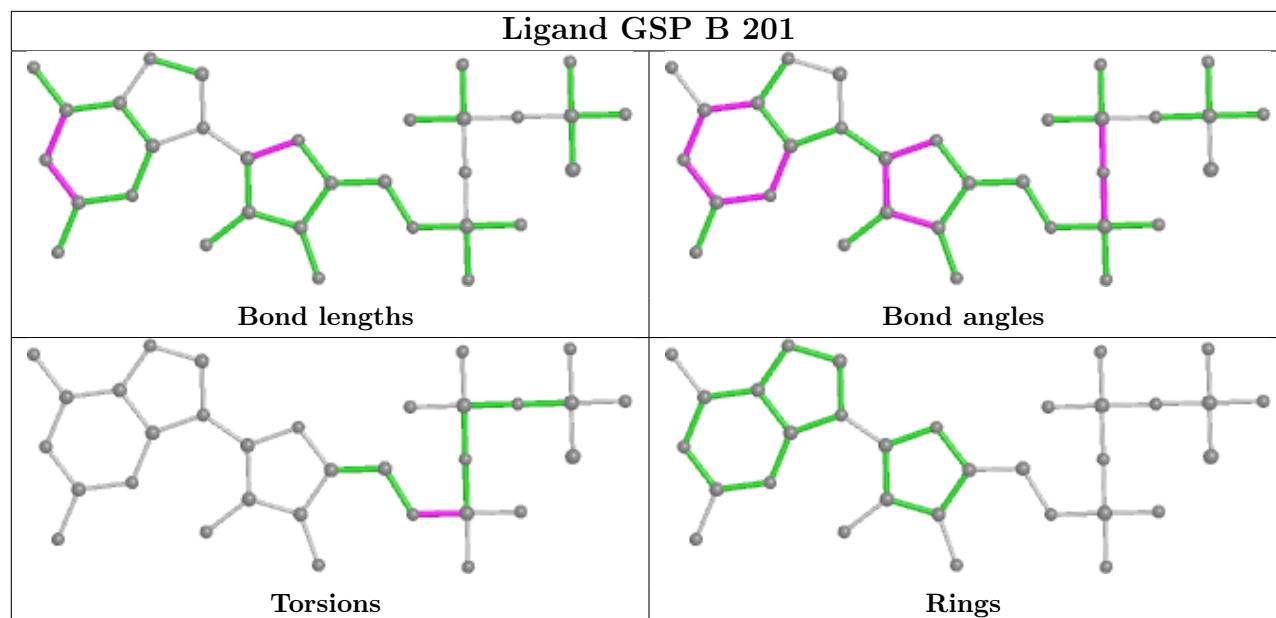


Ligand 7Q9 E 848

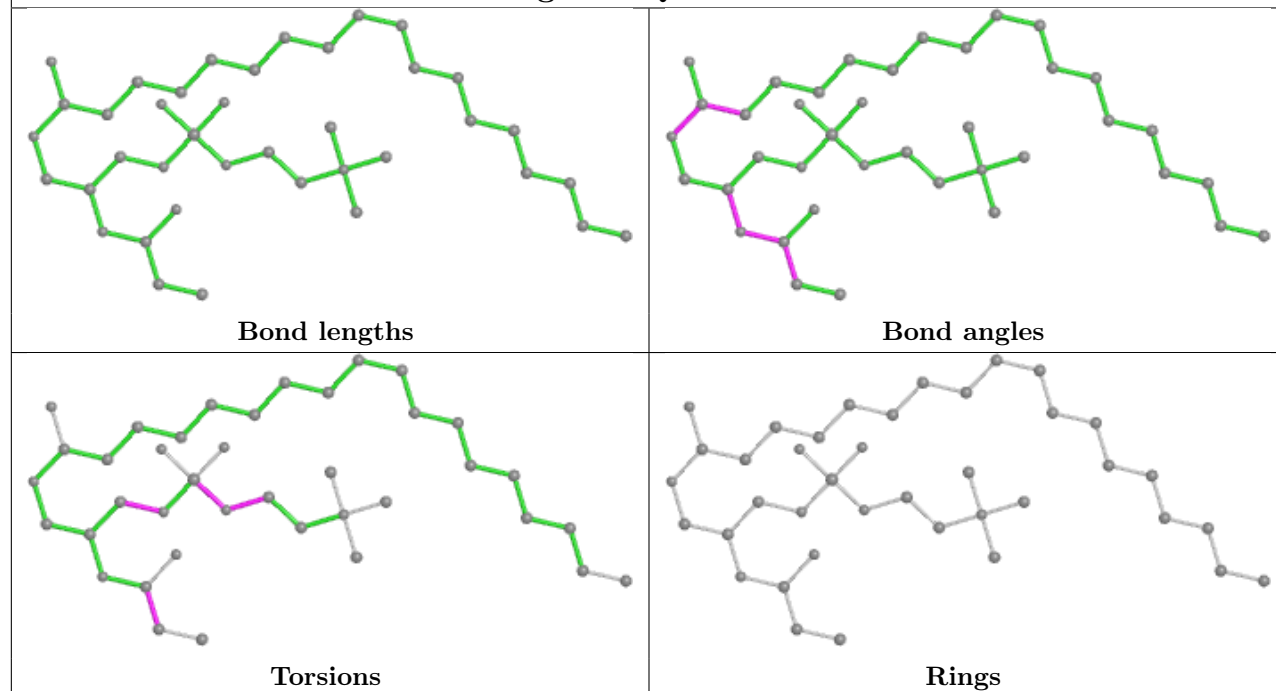


Ligand 7Q9 E 838

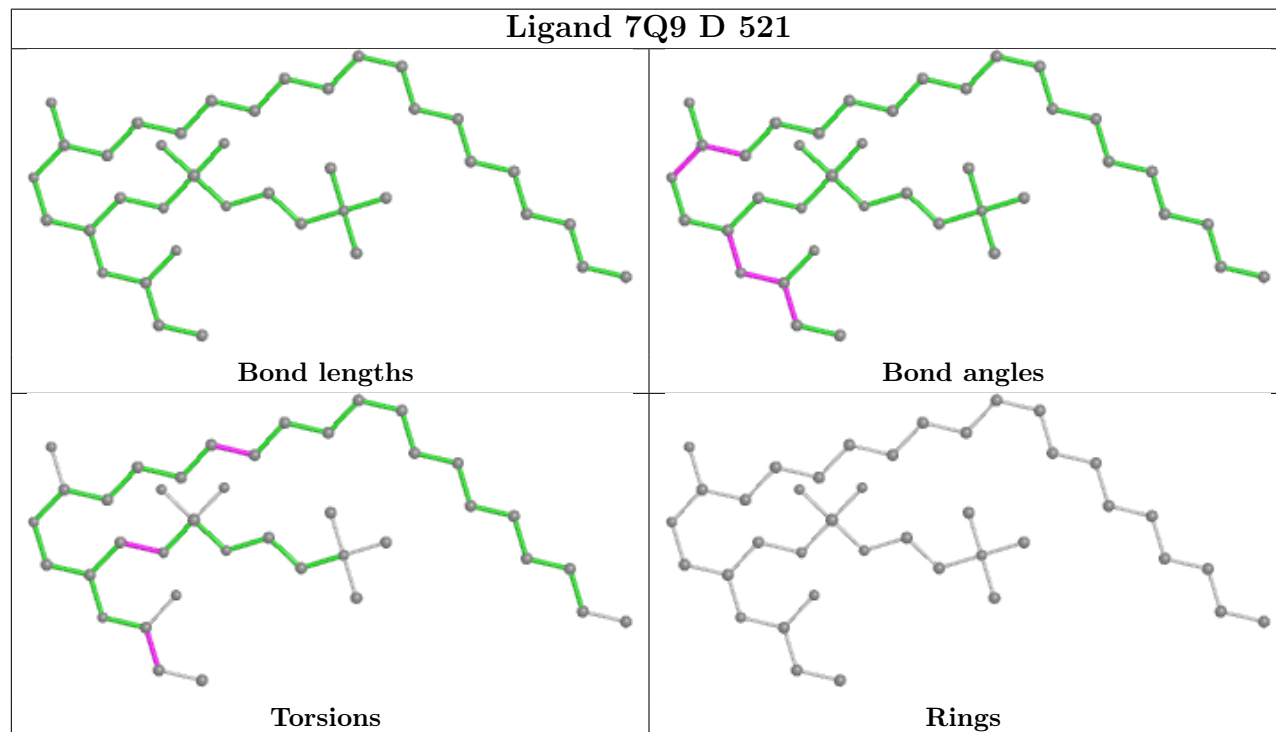


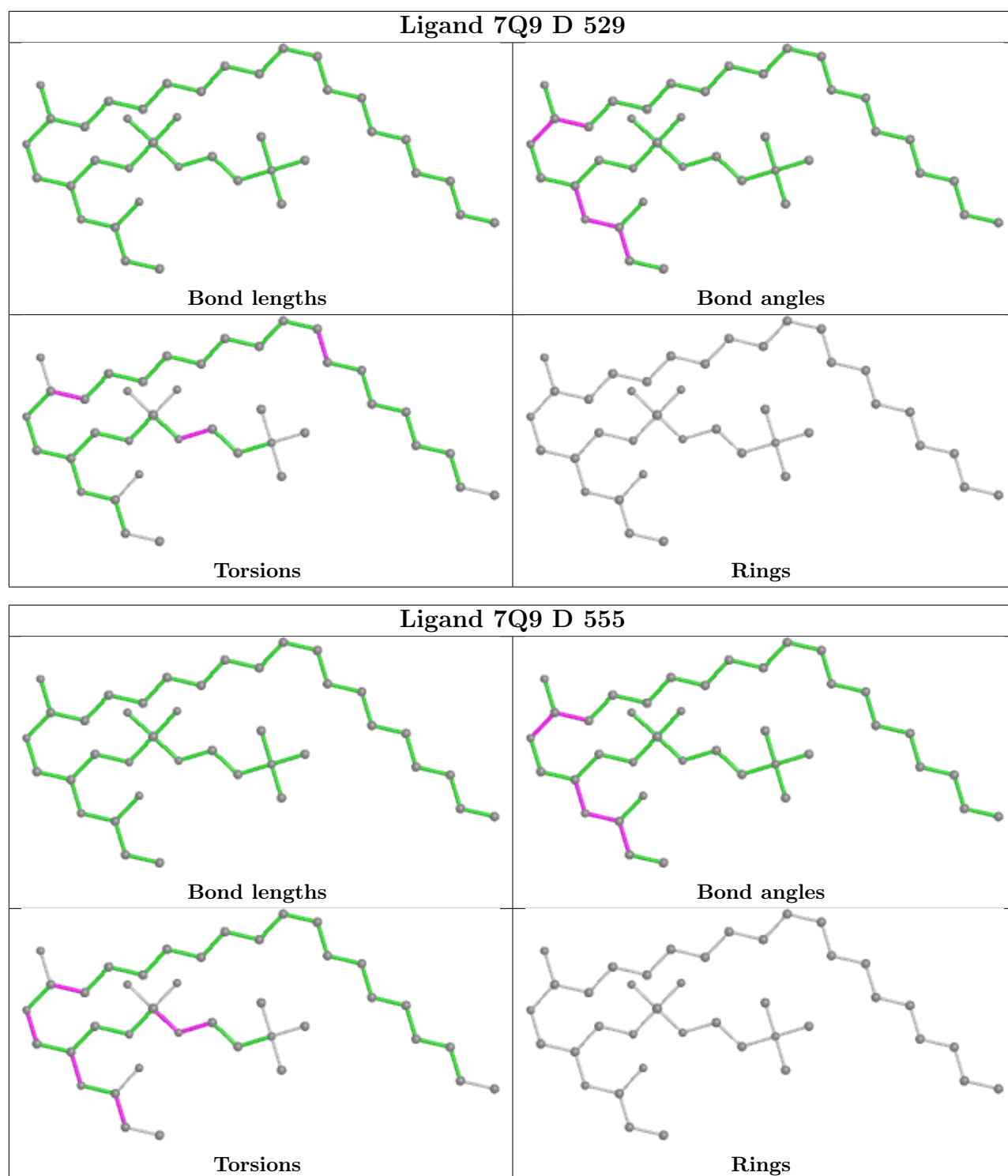


Ligand 7Q9 D 554



Ligand 7Q9 D 521





6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation [i](#)

The completeness of assignment taking into account all chemical shift lists is 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 [i](#)

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

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

7.1.2 Chemical shift referencing [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. 94 atoms were assigned a chemical shift out of a possible 9006. 0 out of 126 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	16/3481 (0%)	8/1388 (1%)	0/1410 (0%)	8/683 (1%)
Sidechain	78/4945 (2%)	31/2894 (1%)	47/1795 (3%)	0/256 (0%)
Aromatic	0/580 (0%)	0/310 (0%)	0/248 (0%)	0/22 (0%)
Overall	94/9006 (1%)	39/4592 (1%)	47/3453 (1%)	8/961 (1%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 1%, i.e. 108 atoms were assigned a chemical shift out of a possible 9502. 0 out of 126 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	30/3656 (1%)	15/1458 (1%)	0/1480 (0%)	15/718 (2%)
Sidechain	78/5266 (1%)	31/3090 (1%)	47/1900 (2%)	0/276 (0%)
Aromatic	0/580 (0%)	0/310 (0%)	0/248 (0%)	0/22 (0%)
Overall	108/9502 (1%)	46/4858 (1%)	47/3628 (1%)	15/1016 (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.

Random coil index (RCI) for chain A:

