



Full wwPDB EM Validation Report ⓘ

Jan 1, 2025 – 04:07 PM EST

PDB ID : 8WEY
EMDB ID : EMD-37480
Title : PSI-LHCI of the red alga *Cyanidium caldarium* RK-1 (NIES-2137)
Authors : Kato, K.; Hamaguchi, T.; Nakajima, Y.; Kawakami, K.; Yonekura, K.; Shen, J.R.; Nagao, R.
Deposited on : 2023-09-19
Resolution : 1.92 Å(reported)
Based on initial model : .

This is a Full wwPDB EM 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/EMValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

EMDB validation analysis : 0.0.1.dev113
Mogul : 2022.3.0, CSD as543be (2022)
MolProbity : 4.02b-467
buster-report : 1.1.7 (2018)
Percentile statistics : 20231227.v01 (using entries in the PDB archive December 27th 2023)
MapQ : 1.9.13
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.40

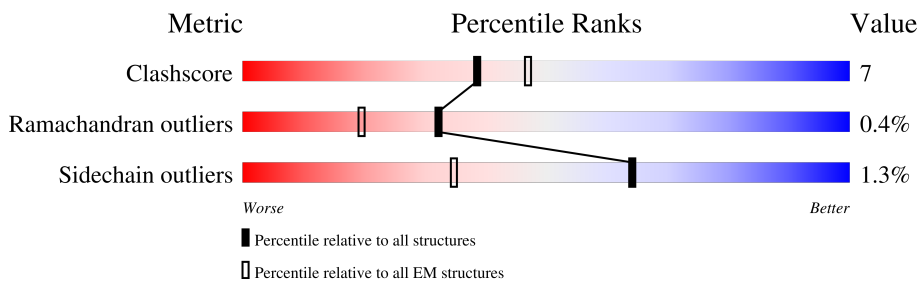
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

ELECTRON MICROSCOPY

The reported resolution of this entry is 1.92 Å.

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)	EM structures (#Entries)
Clashscore	210492	15764
Ramachandran outliers	207382	16835
Sidechain outliers	206894	16415

The table below summarises the geometric issues observed across the polymeric chains and their fit to the map. The red, orange, yellow and green segments of the bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria respectively. 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 $\leq 5\%$. The upper red bar (where present) indicates the fraction of residues that have poor fit to the EM map (all-atom inclusion $< 40\%$). The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	A	748	
2	B	732	
3	C	81	
4	D	139	
5	E	61	
6	F	178	
7	I	32	
8	J	38	

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Mol	Chain	Length	Quality of chain
9	K	68	
10	L	141	
11	M	28	
12	O	155	
13	1	214	
13	4	214	
14	2	222	
14	5	222	
15	3	219	

The following table lists non-polymeric compounds, carbohydrate monomers and non-standard residues in protein, DNA, RNA chains that are outliers for geometric or electron-density-fit criteria:

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
16	CL0	A	801	X	-	-	-
17	CLA	1	301	X	-	-	-
17	CLA	1	302	X	-	-	-
17	CLA	1	304	X	-	-	-
17	CLA	1	305	X	-	-	-
17	CLA	1	306	X	-	-	-
17	CLA	1	307	X	-	-	-
17	CLA	1	308	X	-	-	-
17	CLA	1	309	X	-	-	-
17	CLA	1	310	X	-	-	-
17	CLA	1	311	X	-	-	-
17	CLA	2	304	X	-	-	-
17	CLA	2	305	X	-	-	-
17	CLA	2	306	X	-	-	-
17	CLA	2	308	X	-	-	-
17	CLA	2	309	X	-	-	-
17	CLA	2	310	X	-	-	-
17	CLA	2	311	X	-	-	-
17	CLA	2	312	X	-	-	-
17	CLA	2	313	X	-	-	-
17	CLA	2	314	X	-	-	-
17	CLA	2	315	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
17	CLA	2	316	X	-	-	-
17	CLA	3	305	X	-	-	-
17	CLA	3	306	X	-	-	-
17	CLA	3	307	X	-	-	-
17	CLA	3	308	X	-	-	-
17	CLA	3	309	X	-	-	-
17	CLA	3	310	X	-	-	-
17	CLA	3	311	X	-	-	-
17	CLA	3	312	X	-	-	-
17	CLA	3	313	X	-	-	-
17	CLA	3	314	X	-	-	-
17	CLA	3	315	X	-	-	-
17	CLA	4	303	X	-	-	-
17	CLA	4	304	X	-	-	-
17	CLA	4	305	X	-	-	-
17	CLA	4	306	X	-	-	-
17	CLA	4	307	X	-	-	-
17	CLA	4	308	X	-	-	-
17	CLA	4	309	X	-	-	-
17	CLA	4	310	X	-	-	-
17	CLA	4	311	X	-	-	-
17	CLA	5	302	X	-	-	-
17	CLA	5	303	X	-	-	-
17	CLA	5	304	X	-	-	-
17	CLA	5	305	X	-	-	-
17	CLA	5	306	X	-	-	-
17	CLA	5	307	X	-	-	-
17	CLA	5	308	X	-	-	-
17	CLA	5	309	X	-	-	-
17	CLA	5	310	X	-	-	-
17	CLA	5	311	X	-	-	-
17	CLA	5	312	X	-	-	-
17	CLA	5	313	X	-	-	-
17	CLA	5	314	X	-	-	-
17	CLA	A	802	X	-	-	-
17	CLA	A	803	X	-	-	-
17	CLA	A	804	X	-	-	-
17	CLA	A	805	X	-	-	-
17	CLA	A	806	X	-	-	-
17	CLA	A	808	X	-	-	-
17	CLA	A	809	X	-	-	-
17	CLA	A	811	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
17	CLA	A	812	X	-	-	-
17	CLA	A	813	X	-	-	-
17	CLA	A	816	X	-	-	-
17	CLA	A	817	X	-	-	-
17	CLA	A	818	X	-	-	-
17	CLA	A	819	X	-	-	-
17	CLA	A	821	X	-	-	-
17	CLA	A	822	X	-	-	-
17	CLA	A	823	X	-	-	-
17	CLA	A	824	X	-	-	-
17	CLA	A	825	X	-	-	-
17	CLA	A	826	X	-	-	-
17	CLA	A	827	X	-	-	-
17	CLA	A	828	X	-	-	-
17	CLA	A	829	X	-	-	-
17	CLA	A	830	X	-	-	-
17	CLA	A	831	X	-	-	-
17	CLA	A	832	X	-	-	-
17	CLA	A	833	X	-	-	-
17	CLA	A	834	X	-	-	-
17	CLA	A	835	X	-	-	-
17	CLA	A	836	X	-	-	-
17	CLA	A	837	X	-	-	-
17	CLA	A	838	X	-	-	-
17	CLA	A	839	X	-	-	-
17	CLA	A	852	X	-	-	-
17	CLA	A	853	X	-	-	-
17	CLA	A	854	X	-	-	-
17	CLA	A	855	X	-	-	-
17	CLA	A	856	X	-	-	-
17	CLA	A	859	X	-	-	-
17	CLA	B	801	X	-	-	-
17	CLA	B	802	X	-	-	-
17	CLA	B	804	X	-	-	-
17	CLA	B	805	X	-	-	-
17	CLA	B	806	X	-	-	-
17	CLA	B	807	X	-	-	-
17	CLA	B	808	X	-	-	-
17	CLA	B	809	X	-	-	-
17	CLA	B	810	X	-	-	-
17	CLA	B	811	X	-	-	-
17	CLA	B	812	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
17	CLA	B	813	X	-	-	-
17	CLA	B	814	X	-	-	-
17	CLA	B	815	X	-	-	-
17	CLA	B	816	X	-	-	-
17	CLA	B	818	X	-	-	-
17	CLA	B	819	X	-	-	-
17	CLA	B	820	X	-	-	-
17	CLA	B	821	X	-	-	-
17	CLA	B	823	X	-	-	-
17	CLA	B	824	X	-	-	-
17	CLA	B	825	X	-	-	-
17	CLA	B	826	X	-	-	-
17	CLA	B	827	X	-	-	-
17	CLA	B	828	X	-	-	-
17	CLA	B	829	X	-	-	-
17	CLA	B	830	X	-	-	-
17	CLA	B	832	X	-	-	-
17	CLA	B	833	X	-	-	-
17	CLA	B	834	X	-	-	-
17	CLA	B	835	X	-	-	-
17	CLA	B	836	X	-	-	-
17	CLA	B	837	X	-	-	-
17	CLA	B	838	X	-	-	-
17	CLA	B	839	X	-	-	-
17	CLA	B	840	X	-	-	-
17	CLA	B	841	X	-	-	-
17	CLA	F	203	X	-	-	-
17	CLA	F	204	X	-	-	-
17	CLA	J	103	X	-	-	-
17	CLA	K	103	X	-	-	-
17	CLA	L	202	X	-	-	-
17	CLA	L	203	X	-	-	-
17	CLA	L	204	X	-	-	-
17	CLA	O	203	X	-	-	-
17	CLA	O	204	X	-	-	-
17	CLA	O	205	X	-	-	-
25	5X6	1	312	-	X	-	-
25	5X6	1	313	-	X	-	-
25	5X6	1	314	-	X	-	-
25	5X6	1	315	-	X	-	-
25	5X6	1	316	-	X	-	-
25	5X6	2	317	-	X	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
25	5X6	2	318	-	X	-	-
25	5X6	2	319	-	X	-	-
25	5X6	2	320	-	X	-	-
25	5X6	2	321	-	X	-	-
25	5X6	3	316	-	X	-	-
25	5X6	3	317	-	X	-	-
25	5X6	3	318	-	X	-	-
25	5X6	4	312	-	X	-	-
25	5X6	4	313	-	X	-	-
25	5X6	4	314	-	X	-	-
25	5X6	5	301	-	X	-	-
25	5X6	5	315	-	X	-	-
25	5X6	5	316	-	X	-	-
25	5X6	5	317	-	X	-	-
25	5X6	5	318	-	X	-	-
25	5X6	F	205	-	X	-	-
25	5X6	J	105	-	X	-	-

2 Entry composition [i](#)

There are 26 unique types of molecules in this entry. The entry contains 36163 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a protein called Photosystem I P700 chlorophyll a apoprotein A1.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
1	A	741	5794	3784	996	987	27	0	0

- Molecule 2 is a protein called Photosystem I P700 chlorophyll a apoprotein A2.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
2	B	730	5818	3829	981	990	18	0	0

- Molecule 3 is a protein called Photosystem I iron-sulfur center.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
3	C	80	598	367	104	115	12	0	0

- Molecule 4 is a protein called Photosystem I reaction center subunit II.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
4	D	117	938	594	165	176	3	0	0

- Molecule 5 is a protein called Photosystem I reaction center subunit IV.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
5	E	61	491	321	77	92	1	0	0

- Molecule 6 is a protein called Photosystem I reaction center subunit III.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
6	F	158	1296	829	225	238	4	0	0

- Molecule 7 is a protein called Photosystem I reaction center subunit VIII.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
7	I	32	238	163	33	40	2	0	0

- Molecule 8 is a protein called Photosystem I reaction center subunit IX.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
8	J	38	313	214	46	52	1	0	0

- Molecule 9 is a protein called Photosystem I reaction center subunit X.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
9	K	63	454	294	75	83	2	0	0

- Molecule 10 is a protein called Photosystem I reaction center subunit XI.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
10	L	121	923	610	146	164	3	0	0

- Molecule 11 is a protein called Photosystem I reaction center subunit XII.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
11	M	28	208	138	32	35	3	0	0

- Molecule 12 is a protein called Photosystem I subunit O.

Mol	Chain	Residues	Atoms				AltConf	Trace
			Total	C	N	O		
12	O	83	634	432	97	105	0	0

- Molecule 13 is a protein called Lhcr1.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
13	1	172	1365	892	228	235	10	0	0
13	4	172	1365	892	228	235	10	0	0

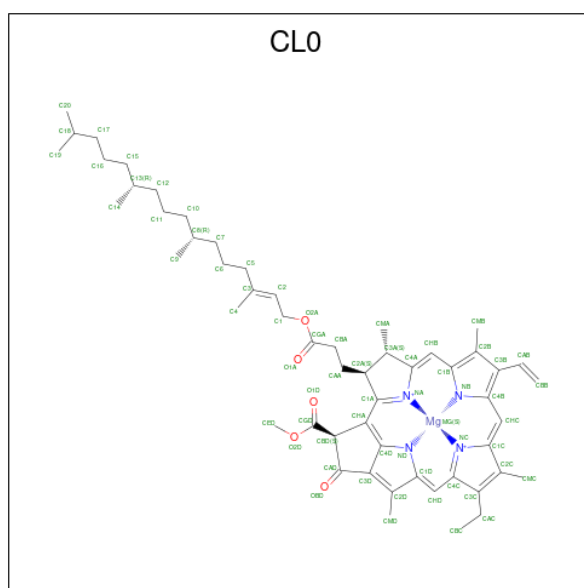
- Molecule 14 is a protein called Lhcr2.

Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
14	2	183	Total	C	N	O	S	0	0
			1428	926	243	250	9		
14	5	183	Total	C	N	O	S	0	0
			1428	926	243	250	9		

- Molecule 15 is a protein called Lhcr3.

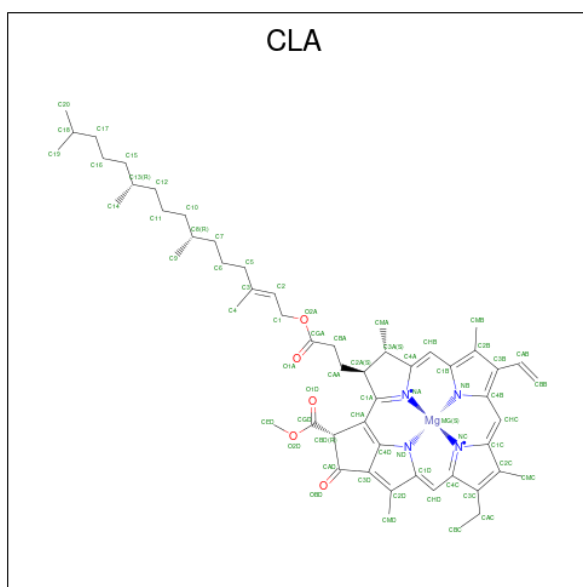
Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
15	3	151	Total	C	N	O	S	0	0
			1169	759	198	206	6		

- Molecule 16 is CHLOROPHYLL A ISOMER (three-letter code: CL0) (formula: $C_{55}H_{72}MgN_4O_5$).



Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
16	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

- Molecule 17 is CHLOROPHYLL A (three-letter code: CLA) (formula: $C_{55}H_{72}MgN_4O_5$).



Mol	Chain	Residues	Atoms				AltConf	
17	A	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
17	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
17	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
17	A	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
17	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
17	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
17	A	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
17	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
17	A	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
17	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
17	A	1	Total	C	Mg	N	O	0
			42	34	1	4	3	
17	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
17	A	1	Total	C	Mg	N	O	0
			62	52	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
17	A	1	65	55	1	4	5	0
17	A	1	65	55	1	4	5	0
17	A	1	65	55	1	4	5	0
17	A	1	65	55	1	4	5	0
17	A	1	65	55	1	4	5	0
17	A	1	51	41	1	4	5	0
17	A	1	55	45	1	4	5	0
17	A	1	65	55	1	4	5	0
17	A	1	55	45	1	4	5	0
17	A	1	65	55	1	4	5	0
17	A	1	65	55	1	4	5	0
17	A	1	65	55	1	4	5	0
17	A	1	65	55	1	4	5	0
17	A	1	50	40	1	4	5	0
17	A	1	56	46	1	4	5	0
17	A	1	65	55	1	4	5	0
17	A	1	65	55	1	4	5	0
17	A	1	65	55	1	4	5	0
17	A	1	65	55	1	4	5	0
17	A	1	51	41	1	4	5	0
17	A	1	56	46	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
17	A	1	65	55	1	4	5	0
17	A	1	65	55	1	4	5	0
17	A	1	65	55	1	4	5	0
17	A	1	65	55	1	4	5	0
17	A	1	65	55	1	4	5	0
17	A	1	65	55	1	4	5	0
17	A	1	61	51	1	4	5	0
17	A	1	65	55	1	4	5	0
17	A	1	46	36	1	4	5	0
17	B	1	65	55	1	4	5	0
17	B	1	65	55	1	4	5	0
17	B	1	65	55	1	4	5	0
17	B	1	65	55	1	4	5	0
17	B	1	65	55	1	4	5	0
17	B	1	65	55	1	4	5	0
17	B	1	65	55	1	4	5	0
17	B	1	65	55	1	4	5	0
17	B	1	65	55	1	4	5	0
17	B	1	65	55	1	4	5	0
17	B	1	55	45	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
17	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
17	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
17	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
17	B	1	Total 55	C 45	Mg 1	N 4	O 5	0
17	B	1	Total 59	C 49	Mg 1	N 4	O 5	0
17	B	1	Total 60	C 50	Mg 1	N 4	O 5	0
17	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
17	B	1	Total 45	C 35	Mg 1	N 4	O 5	0
17	B	1	Total 46	C 36	Mg 1	N 4	O 5	0
17	B	1	Total 43	C 35	Mg 1	N 4	O 3	0
17	B	1	Total 55	C 45	Mg 1	N 4	O 5	0
17	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
17	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
17	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
17	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
17	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
17	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
17	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
17	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
17	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
17	B	1	Total 65	C 55	Mg 1	N 4	O 5	0
17	B	1	Total 65	C 55	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
17	B	1	45	35	1	4	5	0
17	B	1	60	50	1	4	5	0
17	B	1	65	55	1	4	5	0
17	B	1	47	37	1	4	5	0
17	B	1	65	55	1	4	5	0
17	B	1	65	55	1	4	5	0
17	B	1	65	55	1	4	5	0
17	B	1	58	48	1	4	5	0
17	F	1	45	35	1	4	5	0
17	F	1	41	33	1	4	3	0
17	J	1	42	34	1	4	3	0
17	K	1	55	45	1	4	5	0
17	K	1	42	34	1	4	3	0
17	L	1	57	47	1	4	5	0
17	L	1	65	55	1	4	5	0
17	L	1	50	40	1	4	5	0
17	O	1	41	33	1	4	3	0
17	O	1	50	40	1	4	5	0
17	O	1	45	35	1	4	5	0
17	1	1	45	35	1	4	5	0
17	1	1	59	49	1	4	5	0

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Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
17	1	1	55	45	1	4	5	0
17	1	1	45	35	1	4	5	0
17	1	1	45	35	1	4	5	0
17	1	1	55	45	1	4	5	0
17	1	1	60	50	1	4	5	0
17	1	1	41	33	1	4	3	0
17	1	1	45	35	1	4	5	0
17	1	1	45	35	1	4	5	0
17	1	1	45	35	1	4	5	0
17	2	1	45	35	1	4	5	0
17	2	1	65	55	1	4	5	0
17	2	1	45	35	1	4	5	0
17	2	1	55	45	1	4	5	0
17	2	1	45	35	1	4	5	0
17	2	1	45	35	1	4	5	0
17	2	1	55	45	1	4	5	0
17	2	1	41	33	1	4	3	0
17	2	1	42	34	1	4	3	0
17	2	1	45	35	1	4	5	0
17	2	1	45	35	1	4	5	0

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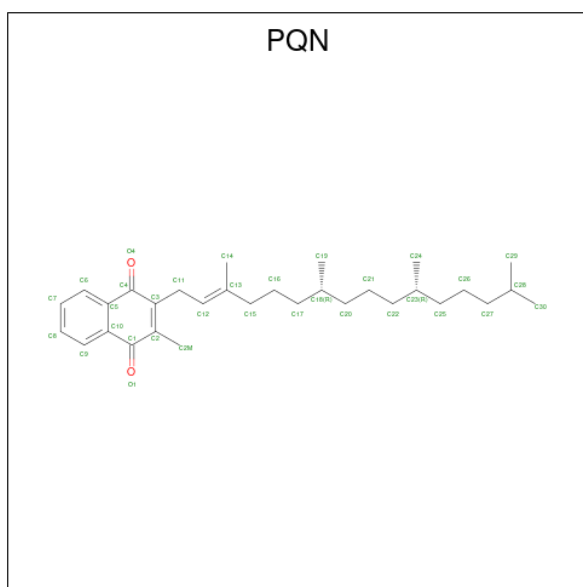
Mol	Chain	Residues	Atoms					AltConf
			Total	C	Mg	N	O	
17	2	1	Total 45	C 35	Mg 1	N 4	O 5	0
17	3	1	Total 63	C 53	Mg 1	N 4	O 5	0
17	3	1	Total 45	C 35	Mg 1	N 4	O 5	0
17	3	1	Total 55	C 45	Mg 1	N 4	O 5	0
17	3	1	Total 45	C 35	Mg 1	N 4	O 5	0
17	3	1	Total 45	C 35	Mg 1	N 4	O 5	0
17	3	1	Total 45	C 35	Mg 1	N 4	O 5	0
17	3	1	Total 52	C 42	Mg 1	N 4	O 5	0
17	3	1	Total 41	C 33	Mg 1	N 4	O 3	0
17	3	1	Total 42	C 34	Mg 1	N 4	O 3	0
17	3	1	Total 46	C 36	Mg 1	N 4	O 5	0
17	3	1	Total 51	C 41	Mg 1	N 4	O 5	0
17	4	1	Total 48	C 38	Mg 1	N 4	O 5	0
17	4	1	Total 59	C 49	Mg 1	N 4	O 5	0
17	4	1	Total 45	C 35	Mg 1	N 4	O 5	0
17	4	1	Total 45	C 35	Mg 1	N 4	O 5	0
17	4	1	Total 45	C 35	Mg 1	N 4	O 5	0
17	4	1	Total 45	C 35	Mg 1	N 4	O 5	0
17	4	1	Total 41	C 33	Mg 1	N 4	O 3	0
17	4	1	Total 45	C 35	Mg 1	N 4	O 5	0
17	4	1	Total 45	C 35	Mg 1	N 4	O 5	0

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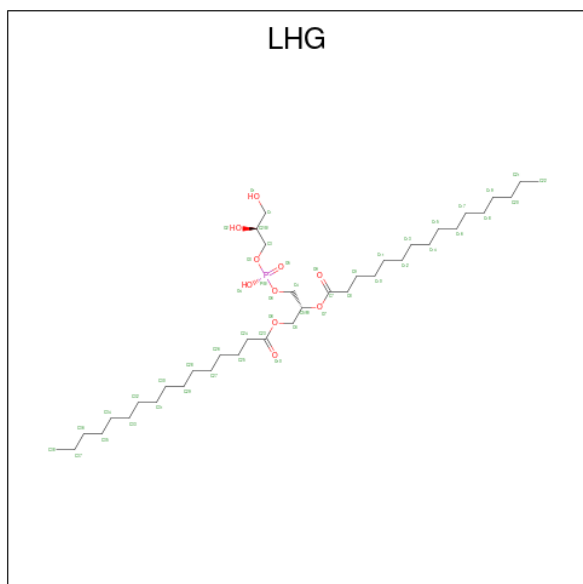
Mol	Chain	Residues	Atoms					AltConf
17	5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
17	5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
17	5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
17	5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
17	5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
17	5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
17	5	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
17	5	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
17	5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
17	5	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
17	5	1	Total	C	Mg	N	O	0
			44	36	1	4	3	

- Molecule 18 is PHYLLOQUINONE (three-letter code: PQN) (formula: C₃₁H₄₆O₂).



Mol	Chain	Residues	Atoms			AltConf
18	A	1	Total	C	O	0
			33	31	2	
18	B	1	Total	C	O	0
			33	31	2	

- Molecule 19 is 1,2-DIPALMITOYL-PHOSPHATIDYL-GLYCEROLE (three-letter code: LHG) (formula: $C_{38}H_{75}O_{10}P$).



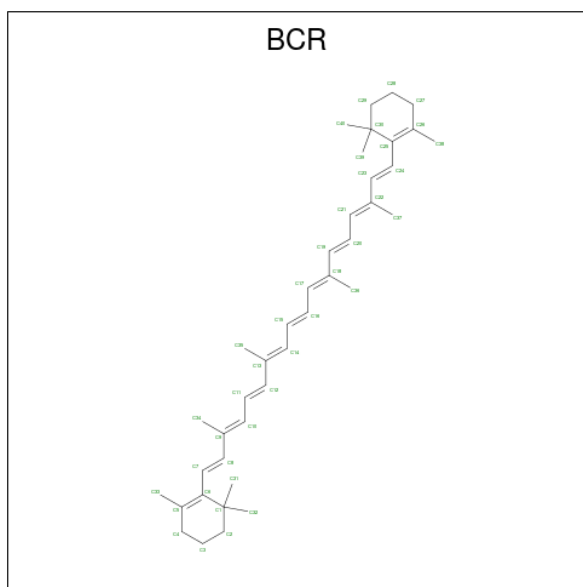
Mol	Chain	Residues	Atoms				AltConf
19	A	1	Total	C	O	P	0
			49	38	10	1	

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Mol	Chain	Residues	Atoms				AltConf
19	A	1	Total	C	O	P	0
			40	29	10	1	
19	J	1	Total	C	O	P	0
			49	38	10	1	

- Molecule 20 is BETA-CAROTENE (three-letter code: BCR) (formula: C₄₀H₅₆).



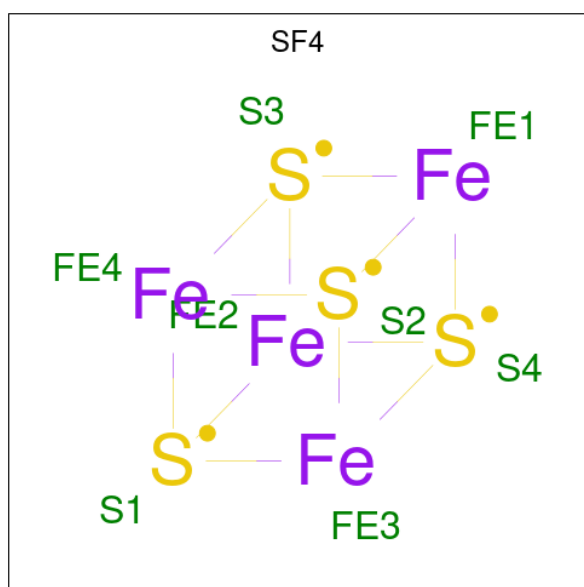
Mol	Chain	Residues	Atoms		AltConf
20	A	1	Total	C	0
			40	40	
20	A	1	Total	C	0
			40	40	
20	A	1	Total	C	0
			40	40	
20	A	1	Total	C	0
			40	40	
20	B	1	Total	C	0
			40	40	
20	B	1	Total	C	0
			40	40	
20	B	1	Total	C	0
			40	40	

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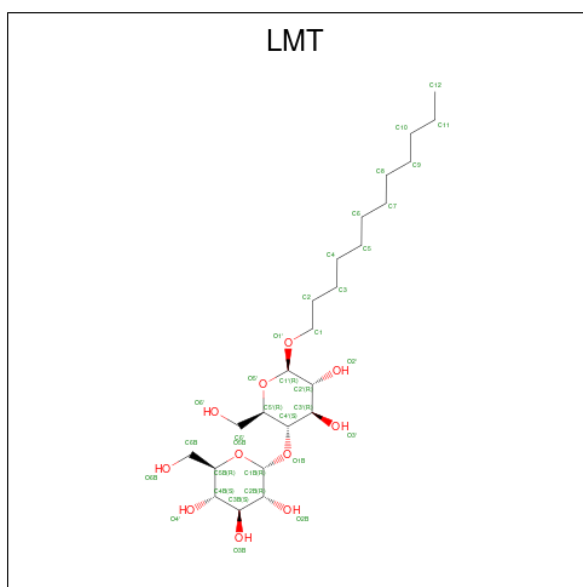
Mol	Chain	Residues	Atoms	AltConf
20	B	1	Total C 40 40	0
20	B	1	Total C 40 40	0
20	B	1	Total C 40 40	0
20	I	1	Total C 40 40	0
20	J	1	Total C 40 40	0
20	K	1	Total C 40 40	0
20	L	1	Total C 40 40	0
20	L	1	Total C 40 40	0
20	L	1	Total C 40 40	0
20	M	1	Total C 40 40	0
20	O	1	Total C 40 40	0

- Molecule 21 is IRON/SULFUR CLUSTER (three-letter code: SF4) (formula: Fe₄S₄).



Mol	Chain	Residues	Atoms			AltConf
21	A	1	Total	Fe	S	0
			8	4	4	
21	C	1	Total	Fe	S	0
			8	4	4	
21	C	1	Total	Fe	S	0
			8	4	4	

- Molecule 22 is DODECYL-BETA-D-MALTOSE (three-letter code: LMT) (formula: $C_{24}H_{46}O_{11}$).

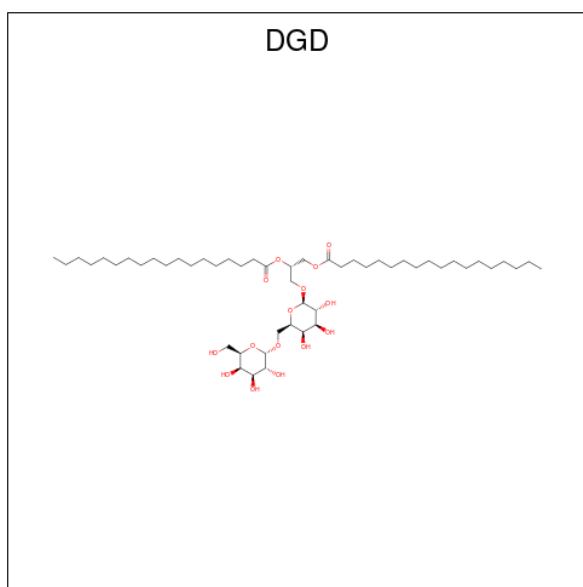


Mol	Chain	Residues	Atoms			AltConf
22	A	1	Total	C	O	0
			35	24	11	
22	B	1	Total	C	O	0
			35	24	11	
22	B	1	Total	C	O	0
			35	24	11	
22	B	1	Total	C	O	0
			35	24	11	
22	F	1	Total	C	O	0
			35	24	11	
22	L	1	Total	C	O	0
			35	24	11	
22	3	1	Total	C	O	0
			35	24	11	

- Molecule 23 is UNKNOWN LIGAND (three-letter code: UNL) (formula:).

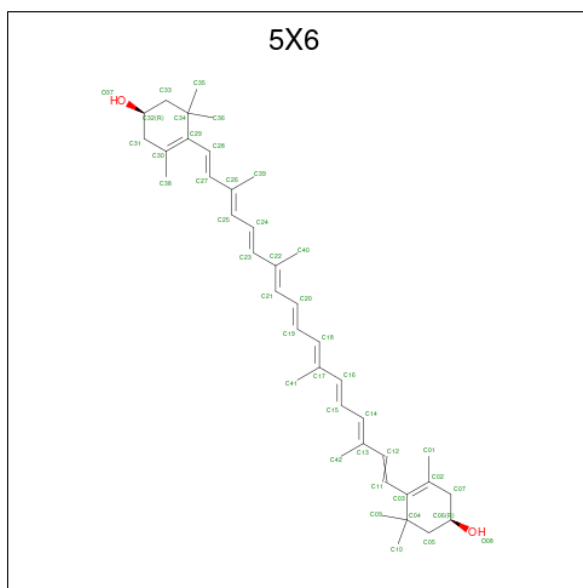
Mol	Chain	Residues	Atoms	AltConf
23	A	4	Total C 48 48	0
23	B	5	Total C 54 54	0
23	F	1	Total C 9 9	0
23	I	1	Total C 12 12	0
23	J	1	Total C 13 13	0
23	K	1	Total C 13 13	0
23	L	1	Total C 13 13	0
23	O	1	Total C 6 6	0
23	1	1	Total C 8 8	0
23	2	3	Total C 32 32	0
23	3	3	Total C 37 37	0
23	4	2	Total C 24 24	0
23	5	1	Total C 8 8	0

- Molecule 24 is DIGALACTOSYL DIACYL GLYCEROL (DGDG) (three-letter code: DGD) (formula: $C_{51}H_{96}O_{15}$).



Mol	Chain	Residues	Atoms			AltConf
			Total	C	O	
24	B	1	66	51	15	0

- Molecule 25 is Zeaxanthin (three-letter code: 5X6) (formula: $C_{40}H_{56}O_2$).



Mol	Chain	Residues	Atoms			AltConf
			Total	C	O	
25	F	1	42	40	2	0
25	J	1	42	40	2	0
25	1	1	42	40	2	0

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Mol	Chain	Residues	Atoms			AltConf
			Total	C	O	
25	1	1	42	40	2	0
25	1	1	42	40	2	0
25	1	1	42	40	2	0
25	1	1	42	40	2	0
25	2	1	42	40	2	0
25	2	1	42	40	2	0
25	2	1	42	40	2	0
25	2	1	42	40	2	0
25	2	1	42	40	2	0
25	2	1	42	40	2	0
25	3	1	42	40	2	0
25	3	1	42	40	2	0
25	3	1	42	40	2	0
25	4	1	42	40	2	0
25	4	1	42	40	2	0
25	4	1	42	40	2	0
25	5	1	42	40	2	0
25	5	1	42	40	2	0
25	5	1	42	40	2	0
25	5	1	42	40	2	0
25	5	1	42	40	2	0

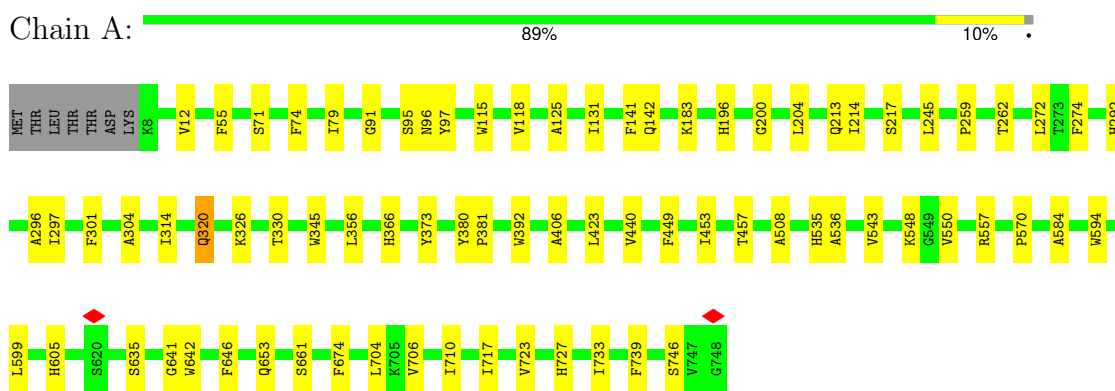
- Molecule 26 is water.

Mol	Chain	Residues	Atoms		AltConf
26	A	203	Total 203	O 203	0
26	B	220	Total 220	O 220	0
26	C	41	Total 41	O 41	0
26	D	18	Total 18	O 18	0
26	E	23	Total 23	O 23	0
26	F	22	Total 22	O 22	0
26	I	2	Total 2	O 2	0
26	J	7	Total 7	O 7	0
26	K	2	Total 2	O 2	0
26	L	7	Total 7	O 7	0
26	M	2	Total 2	O 2	0
26	1	3	Total 3	O 3	0
26	3	1	Total 1	O 1	0
26	4	3	Total 3	O 3	0
26	5	6	Total 6	O 6	0

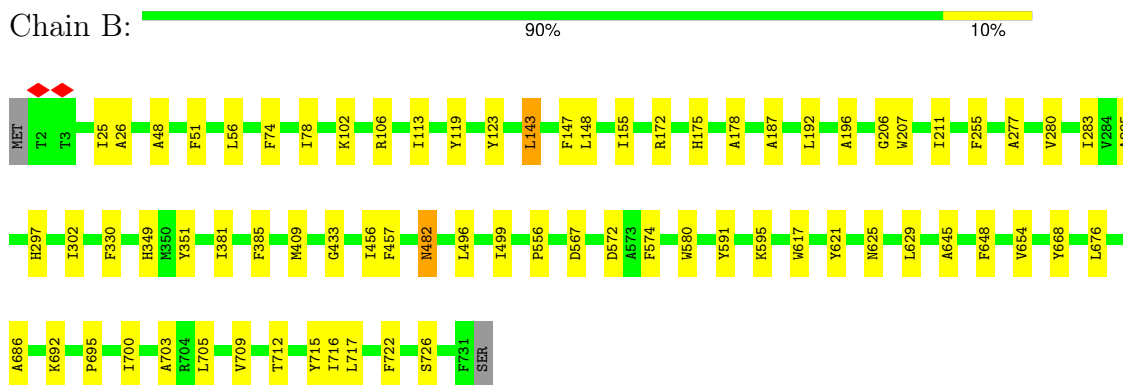
3 Residue-property plots

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and atom inclusion in map density. Residues are color-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. A red diamond above a residue indicates a poor fit to the EM map for this residue (all-atom inclusion < 40%). Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

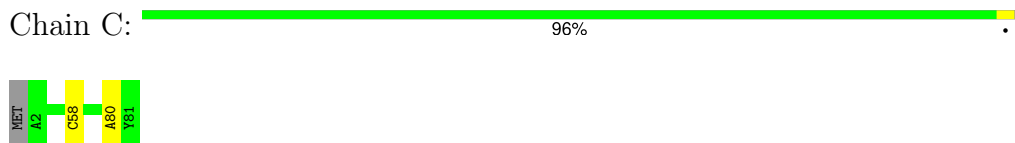
- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1



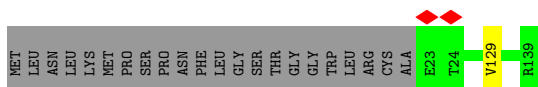
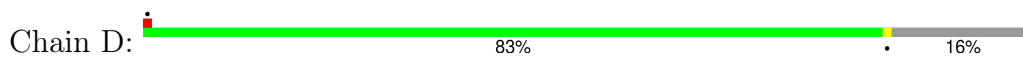
- Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2



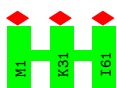
- Molecule 3: Photosystem I iron-sulfur center



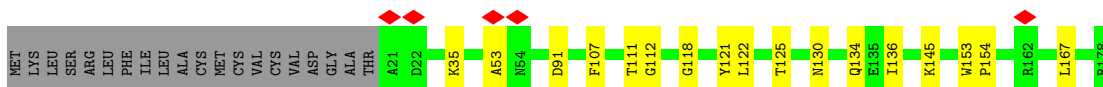
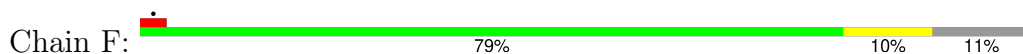
- Molecule 4: Photosystem I reaction center subunit II



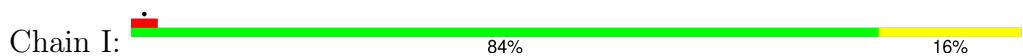
- Molecule 5: Photosystem I reaction center subunit IV



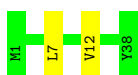
- Molecule 6: Photosystem I reaction center subunit III



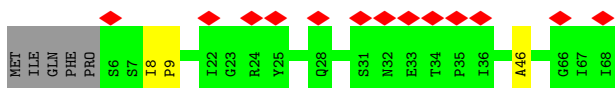
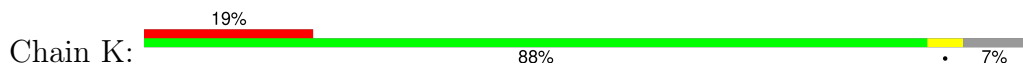
- Molecule 7: Photosystem I reaction center subunit VIII



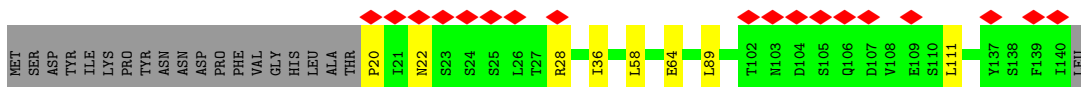
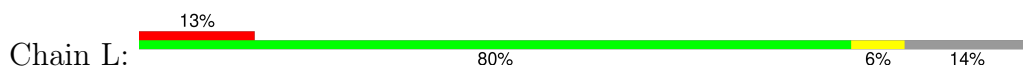
- Molecule 8: Photosystem I reaction center subunit IX



- Molecule 9: Photosystem I reaction center subunit X

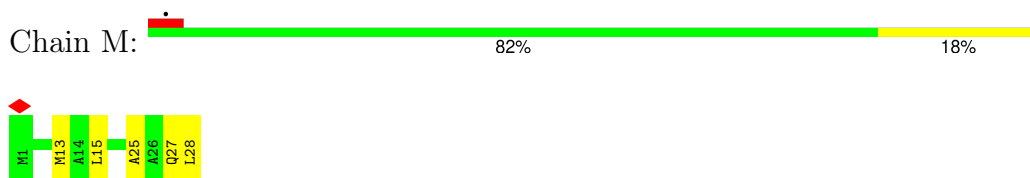


- Molecule 10: Photosystem I reaction center subunit XI



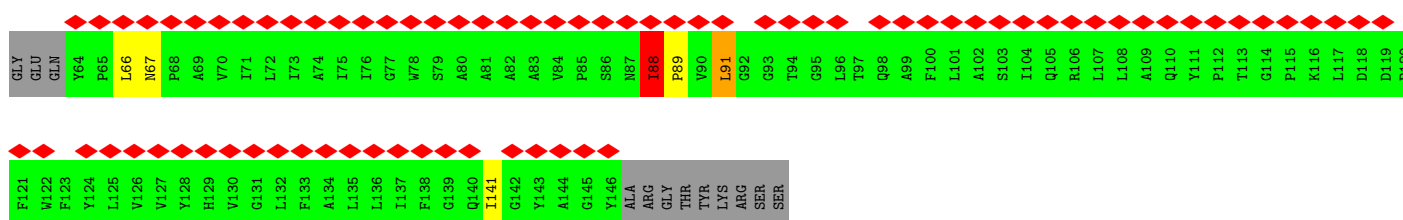
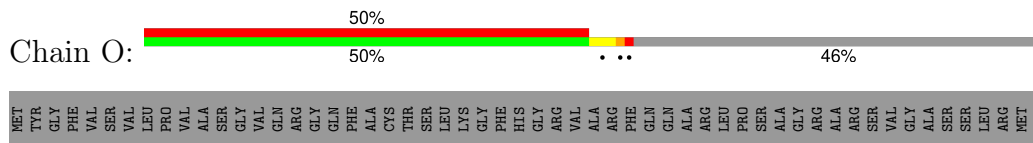
- Molecule 11: Photosystem I reaction center subunit XII

Chain M:



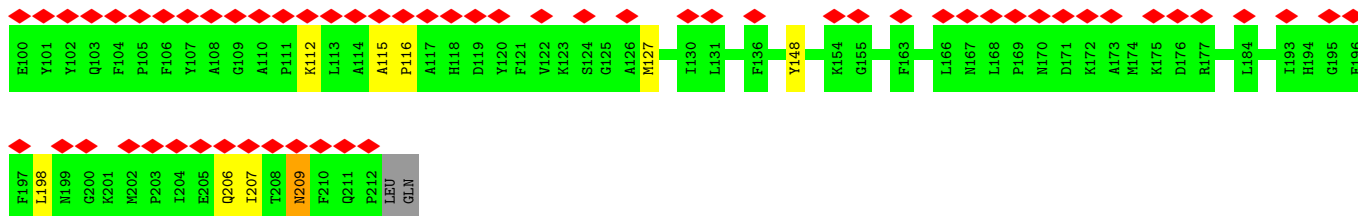
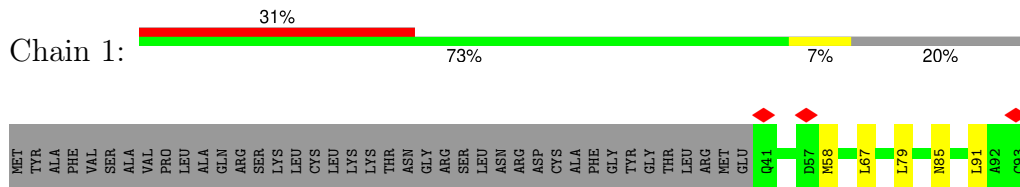
- Molecule 12: Photosystem I subunit O

Chain O:



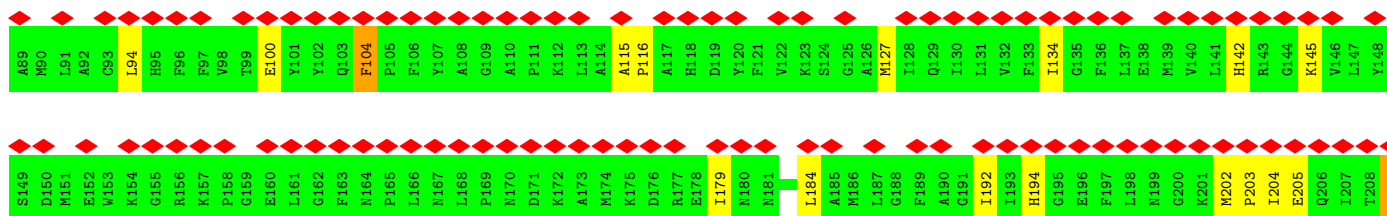
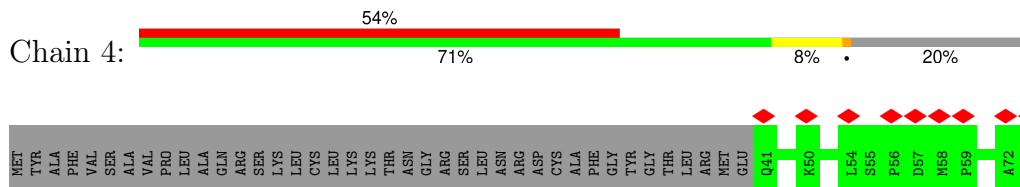
- Molecule 13: Lhcr1

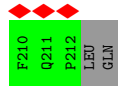
Chain 1:



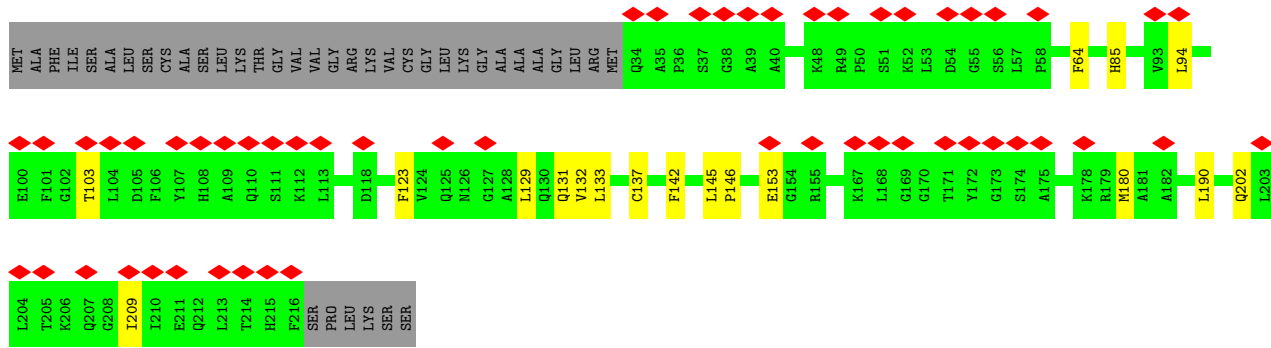
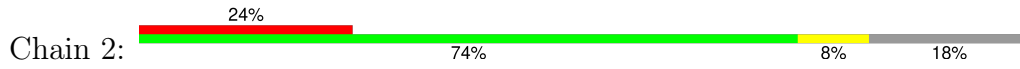
- Molecule 13: Lhcr1

Chain 4:

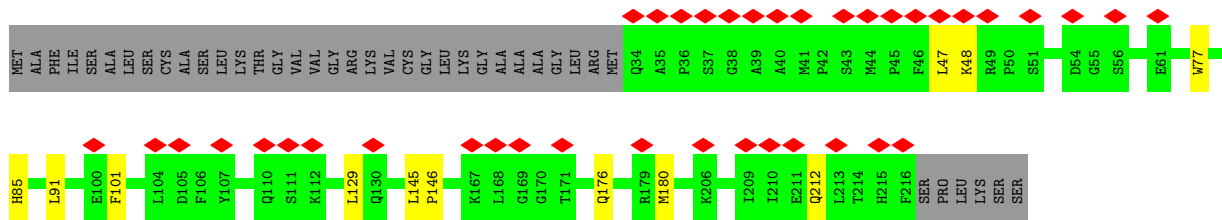
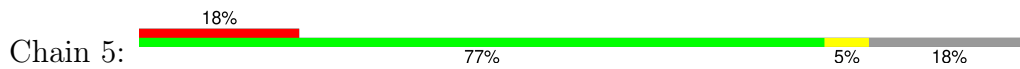




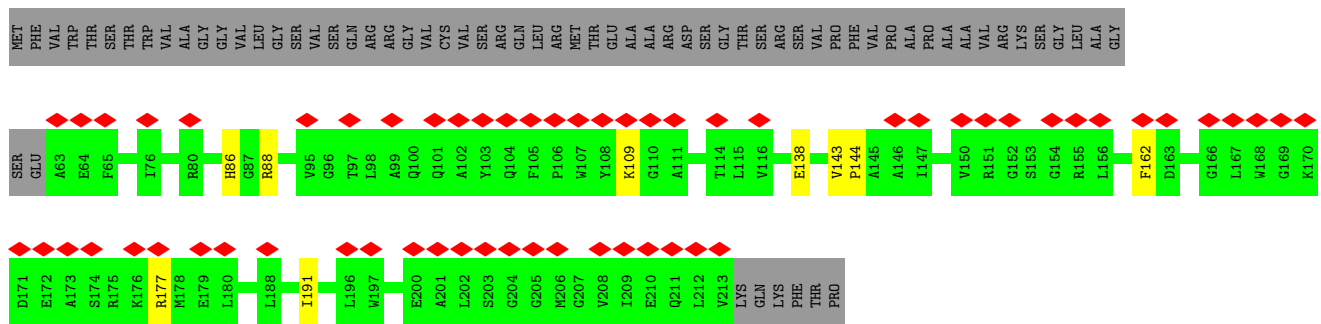
• Molecule 14: Lhcr2



• Molecule 14: Lhcr2



• Molecule 15: Lhcr3



4 Experimental information

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, Not provided	
Number of particles used	228449	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING AND AMPLITUDE CORRECTION	Depositor
Microscope	JEOL CRYO ARM 300	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	39.8	Depositor
Minimum defocus (nm)	800	Depositor
Maximum defocus (nm)	1800	Depositor
Magnification	Not provided	
Image detector	GATAN K3 (6k x 4k)	Depositor
Maximum map value	0.289	Depositor
Minimum map value	-0.106	Depositor
Average map value	0.001	Depositor
Map value standard deviation	0.007	Depositor
Recommended contour level	0.016	Depositor
Map size (Å)	202.752, 202.752, 202.752	wwPDB
Map dimensions	256, 256, 256	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	0.792, 0.792, 0.792	Depositor

5 Model quality i

5.1 Standard geometry i

Bond lengths and bond angles in the following residue types are not validated in this section: CL0, LHG, SF4, DGD, BCR, 5X6, CLA, UNL, LMT, PQN

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
1	A	0.60	0/5979	0.73	0/8148
2	B	0.59	0/6027	0.73	0/8236
3	C	0.61	0/608	0.76	0/822
4	D	0.61	0/957	0.77	0/1292
5	E	0.65	0/500	0.75	0/676
6	F	0.62	0/1329	0.73	0/1799
7	I	0.66	0/243	0.71	0/332
8	J	0.60	0/322	0.65	0/439
9	K	0.70	0/459	0.75	0/627
10	L	0.66	0/945	0.75	0/1281
11	M	0.67	0/209	0.70	0/283
12	O	0.68	0/656	0.74	0/903
13	1	0.66	0/1407	0.76	0/1903
13	4	0.67	0/1407	0.77	0/1903
14	2	0.66	0/1467	0.74	0/1980
14	5	0.66	0/1467	0.74	0/1980
15	3	0.68	0/1199	0.74	0/1627
All	All	0.63	0/25181	0.74	0/34231

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

Mol	Chain	#Chirality outliers	#Planarity outliers
12	O	0	1

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

All (1) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
12	O	88	ILE	Peptide

5.2 Too-close contacts [i](#)

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the 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 within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	5794	0	5722	66	0
2	B	5818	0	5649	69	0
3	C	598	0	576	2	0
4	D	938	0	933	0	0
5	E	491	0	509	0	0
6	F	1296	0	1263	14	0
7	I	238	0	265	6	0
8	J	313	0	327	1	0
9	K	454	0	490	2	0
10	L	923	0	939	4	0
11	M	208	0	230	5	0
12	O	634	0	644	3	0
13	1	1365	0	1351	12	0
13	4	1365	0	1351	10	0
14	2	1428	0	1406	22	0
14	5	1428	0	1406	9	0
15	3	1169	0	1172	8	0
16	A	65	0	72	3	0
17	1	540	0	442	21	0
17	2	618	0	494	35	0
17	3	530	0	423	15	0
17	4	418	0	321	17	0
17	5	680	0	619	30	0
17	A	2664	0	2743	116	0
17	B	2513	0	2633	137	0
17	F	86	0	62	6	0
17	J	42	0	31	1	0
17	K	97	0	80	3	0
17	L	172	0	164	8	0
17	O	136	0	101	4	0
18	A	33	0	46	1	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
18	B	33	0	46	3	0
19	A	89	0	127	1	0
19	J	49	0	74	1	0
20	A	200	0	280	13	0
20	B	280	0	392	10	0
20	I	40	0	56	1	0
20	J	40	0	56	3	0
20	K	40	0	56	1	0
20	L	120	0	168	4	0
20	M	40	0	56	4	0
20	O	40	0	56	0	0
21	A	8	0	0	0	0
21	C	16	0	0	1	0
22	3	35	0	46	0	0
22	A	35	0	46	0	0
22	B	105	0	138	0	0
22	F	35	0	46	0	0
22	L	35	0	46	0	0
23	1	8	0	0	0	0
23	2	32	0	0	0	0
23	3	37	0	0	0	0
23	4	24	0	0	0	0
23	5	8	0	0	0	0
23	A	48	0	0	0	0
23	B	54	0	0	0	0
23	F	9	0	0	0	0
23	I	12	0	0	0	0
23	J	13	0	0	0	0
23	K	13	0	0	0	0
23	L	13	0	0	0	0
23	O	6	0	0	0	0
24	B	66	0	96	3	0
25	1	210	0	0	2	0
25	2	210	0	0	1	0
25	3	126	0	0	2	0
25	4	126	0	0	1	0
25	5	210	0	0	2	0
25	F	42	0	0	0	0
25	J	42	0	0	0	0
26	1	3	0	0	0	0
26	3	1	0	0	0	0
26	4	3	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
26	5	6	0	0	0	0
26	A	203	0	0	1	0
26	B	220	0	0	1	0
26	C	41	0	0	0	0
26	D	18	0	0	0	0
26	E	23	0	0	0	0
26	F	22	0	0	0	0
26	I	2	0	0	0	0
26	J	7	0	0	0	0
26	K	2	0	0	0	0
26	L	7	0	0	0	0
26	M	2	0	0	0	0
All	All	36163	0	34249	495	0

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 7.

All (495) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:56:LEU:HD21	17:B:807:CLA:HMD2	1.56	0.84
14:2:190:LEU:HD21	17:2:313:CLA:HBC3	1.66	0.77
17:A:834:CLA:HMB1	20:A:845:BCR:H281	1.67	0.77
17:A:859:CLA:HMC1	17:A:859:CLA:HBC2	1.65	0.76
17:B:836:CLA:HBB1	17:B:836:CLA:HMB1	1.68	0.74
14:2:132:VAL:CG2	17:2:309:CLA:HBC1	2.17	0.74
14:2:129:LEU:HD22	17:2:309:CLA:HBC3	1.69	0.74
17:B:834:CLA:HMB3	17:B:836:CLA:HED2	1.68	0.73
1:A:535:HIS:HE1	1:A:605:HIS:HD2	1.37	0.72
17:A:853:CLA:OBD	17:B:804:CLA:HMB3	1.90	0.72
17:1:305:CLA:HMC1	17:1:305:CLA:HBC2	1.73	0.71
17:A:852:CLA:HMB1	17:A:852:CLA:HBB1	1.73	0.70
17:A:818:CLA:HBB1	17:A:818:CLA:HMB1	1.75	0.68
17:A:853:CLA:HBB1	17:A:853:CLA:HMB1	1.76	0.68
17:B:829:CLA:HBB1	17:B:829:CLA:HMB1	1.75	0.68
17:3:305:CLA:HMC2	25:3:317:5X6:C23	2.23	0.68
17:A:819:CLA:HBB1	17:A:819:CLA:HMB1	1.77	0.67
2:B:654:VAL:HG22	17:B:840:CLA:HMB3	1.76	0.67
17:A:827:CLA:HBB1	17:A:827:CLA:HMB1	1.75	0.67
17:B:816:CLA:HBB1	17:B:816:CLA:HMB1	1.76	0.67
17:A:819:CLA:HMB2	17:A:823:CLA:HMA3	1.76	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:A:805:CLA:HMB1	17:A:805:CLA:HBB1	1.77	0.66
17:B:802:CLA:HMB1	17:B:802:CLA:HBB1	1.77	0.66
17:A:807:CLA:HBB1	17:A:807:CLA:HMB1	1.76	0.66
1:A:118:VAL:HB	17:B:857:CLA:HMD1	1.78	0.65
17:B:839:CLA:H192	10:L:58:LEU:HD21	1.77	0.65
2:B:78:ILE:HD12	2:B:123:TYR:CD1	2.31	0.65
1:A:535:HIS:HE1	1:A:605:HIS:CD2	2.15	0.65
17:5:308:CLA:HBB1	17:5:308:CLA:HMB1	1.78	0.65
17:A:810:CLA:HMB1	17:A:810:CLA:HBB1	1.79	0.64
17:A:823:CLA:HMB3	17:A:825:CLA:H93	1.79	0.64
17:A:856:CLA:HBB1	17:A:856:CLA:HMB1	1.79	0.64
17:B:833:CLA:HMB1	17:B:833:CLA:HBB1	1.80	0.64
14:2:64:PHE:CE1	17:2:304:CLA:HMB2	2.33	0.64
17:5:303:CLA:HBB1	17:5:303:CLA:HMB1	1.78	0.64
17:B:826:CLA:HBB1	17:B:826:CLA:HMB1	1.79	0.64
17:A:835:CLA:HBB1	17:A:835:CLA:HMB1	1.80	0.63
2:B:25:ILE:HA	17:B:805:CLA:HMD3	1.80	0.63
2:B:705:LEU:HD22	24:B:849:DGD:HB22	1.80	0.63
16:A:801:CL0:H13	17:B:802:CLA:OBD	1.97	0.63
2:B:207:TRP:HB3	17:5:307:CLA:HMA2	1.80	0.63
17:5:309:CLA:HMB1	17:5:309:CLA:HBB1	1.81	0.63
2:B:113:ILE:O	17:B:809:CLA:HMD3	1.99	0.62
17:B:814:CLA:HMC1	17:B:814:CLA:HBC3	1.81	0.62
17:A:826:CLA:HBB1	17:A:826:CLA:HMB1	1.81	0.62
20:M:101:BCR:H321	20:M:101:BCR:HC8	1.82	0.62
17:2:305:CLA:HMC2	25:2:318:5X6:C23	2.30	0.62
17:A:819:CLA:CMB	17:A:823:CLA:HMA3	2.30	0.62
17:A:852:CLA:CGA	17:A:852:CLA:H3A	2.30	0.61
17:1:302:CLA:HMB1	17:1:302:CLA:HBB1	1.82	0.61
17:1:307:CLA:HMC2	25:1:312:5X6:C24	2.30	0.61
1:A:55:PHE:CD2	17:A:803:CLA:HMC2	2.36	0.61
17:B:823:CLA:HMB1	17:B:823:CLA:HBB1	1.80	0.61
17:A:830:CLA:HMB1	17:A:830:CLA:HBB1	1.82	0.61
17:B:837:CLA:HBB1	17:B:837:CLA:HMB1	1.81	0.61
17:B:838:CLA:HBB1	17:B:838:CLA:HMB1	1.82	0.61
17:1:301:CLA:HMC1	17:1:301:CLA:HBC2	1.82	0.61
17:B:826:CLA:H102	17:B:837:CLA:H43	1.83	0.61
17:2:306:CLA:HMB1	17:2:306:CLA:HBB1	1.81	0.61
17:A:831:CLA:HMB2	20:L:201:BCR:C36	2.31	0.60
14:2:123:PHE:CE1	17:2:307:CLA:HED1	2.36	0.60
14:5:91:LEU:O	17:5:305:CLA:HMC3	2.01	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:A:811:CLA:HMB1	17:A:811:CLA:HBB1	1.83	0.60
17:B:837:CLA:H41	17:B:837:CLA:C7	2.31	0.60
2:B:26:ALA:HA	17:B:830:CLA:H42	1.83	0.60
17:B:839:CLA:HBB2	18:B:842:PQN:H141	1.83	0.60
14:2:64:PHE:CZ	17:2:304:CLA:HMB2	2.37	0.59
17:B:815:CLA:HMB1	17:B:815:CLA:HBB1	1.84	0.59
20:L:201:BCR:H383	20:L:201:BCR:H23C	1.83	0.59
17:A:812:CLA:HMB1	17:A:812:CLA:HBB1	1.85	0.59
2:B:716:ILE:HD13	17:B:828:CLA:HMC2	1.85	0.59
14:2:132:VAL:HG21	17:2:309:CLA:HBC1	1.84	0.58
14:5:85:HIS:CE1	17:5:308:CLA:HMD1	2.37	0.58
1:A:259:PRO:O	1:A:262:THR:O	2.22	0.58
17:5:313:CLA:HBC2	25:5:318:5X6:C14	2.33	0.58
17:B:825:CLA:HMB1	17:B:825:CLA:HBB1	1.85	0.58
1:A:440:VAL:HG21	17:A:837:CLA:HMC3	1.84	0.58
1:A:115:TRP:CD2	17:A:807:CLA:HED3	2.38	0.58
17:J:103:CLA:HHC	17:J:103:CLA:HBB1	1.85	0.58
17:A:817:CLA:HBB1	17:A:817:CLA:HMB1	1.85	0.58
2:B:591:TYR:CZ	17:B:836:CLA:HBC3	2.38	0.58
17:B:814:CLA:HMB1	17:B:814:CLA:HBB1	1.86	0.58
17:B:840:CLA:HHC	17:B:840:CLA:HBB1	1.85	0.58
17:A:802:CLA:HBB1	17:A:802:CLA:HMB1	1.84	0.58
17:A:806:CLA:HBB1	17:A:806:CLA:HMB1	1.84	0.58
17:A:820:CLA:HMB1	17:A:820:CLA:HBB1	1.85	0.58
14:2:132:VAL:HG23	17:2:309:CLA:HBC1	1.85	0.58
17:A:824:CLA:HMB1	17:A:824:CLA:HBB1	1.84	0.57
17:B:810:CLA:HMB1	17:B:810:CLA:HBB1	1.86	0.57
13:1:206:GLN:HE22	17:1:310:CLA:HED1	1.69	0.57
17:A:823:CLA:HBB1	17:A:823:CLA:HMB1	1.86	0.57
6:F:107:PHE:CZ	6:F:111:THR:HG21	2.40	0.57
1:A:314:ILE:HD13	9:K:46:ALA:HB2	1.87	0.57
2:B:385:PHE:CE2	20:B:847:BCR:H373	2.38	0.57
17:B:807:CLA:H142	17:B:828:CLA:H143	1.85	0.57
17:A:826:CLA:H43	17:A:826:CLA:O1A	2.05	0.56
15:3:143:VAL:HG22	17:3:310:CLA:HMA1	1.87	0.56
20:B:843:BCR:H331	20:B:843:BCR:C8	2.36	0.56
17:F:204:CLA:HBC3	17:F:204:CLA:HHD	1.88	0.56
17:B:805:CLA:HMB2	20:M:101:BCR:H323	1.88	0.56
17:L:202:CLA:HHC	17:L:202:CLA:HBB1	1.87	0.56
2:B:297:HIS:HB3	2:B:302:ILE:HD11	1.88	0.56
17:2:309:CLA:HHC	17:2:309:CLA:HBB1	1.88	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:A:809:CLA:HHC	17:A:809:CLA:HBB1	1.87	0.56
17:A:839:CLA:HMA1	2:B:686:ALA:CB	2.36	0.56
6:F:145:LYS:HA	13:1:148:TYR:CD2	2.41	0.56
17:2:308:CLA:HMC1	17:2:308:CLA:HBC3	1.87	0.55
1:A:674:PHE:CG	20:A:846:BCR:H363	2.41	0.55
17:B:805:CLA:HBA1	17:B:805:CLA:HBD	1.88	0.55
17:A:834:CLA:HHC	17:A:834:CLA:HBB1	1.89	0.55
17:A:836:CLA:HBB1	17:A:836:CLA:HMB1	1.88	0.55
17:B:812:CLA:HMB1	17:B:812:CLA:HBB1	1.87	0.55
1:A:449:PHE:CZ	1:A:453:ILE:HD11	2.42	0.55
20:L:206:BCR:C8	20:L:206:BCR:H331	2.35	0.55
1:A:304:ALA:HB2	17:A:819:CLA:HBC2	1.87	0.55
17:B:826:CLA:H43	17:B:834:CLA:HBB2	1.87	0.55
13:4:134:ILE:HD13	17:4:307:CLA:HBC2	1.88	0.55
18:A:840:PQN:H141	17:A:855:CLA:HBB2	1.87	0.55
17:B:836:CLA:HMB2	17:B:838:CLA:HED1	1.89	0.55
14:2:85:HIS:CE1	17:2:310:CLA:HMD1	2.42	0.55
1:A:345:TRP:HB3	17:A:803:CLA:HAC1	1.89	0.54
17:A:825:CLA:HBB1	17:A:825:CLA:HMB1	1.89	0.54
13:4:194:HIS:CD2	17:4:311:CLA:HMD3	2.42	0.54
17:B:806:CLA:HMB1	17:B:806:CLA:HBB1	1.89	0.54
17:B:823:CLA:CHC	17:B:841:CLA:HED1	2.37	0.54
9:K:8:ILE:HB	9:K:9:PRO:HD3	1.88	0.54
2:B:48:ALA:HB3	11:M:28:LEU:HD21	1.90	0.54
11:M:25:ALA:HB2	20:M:101:BCR:H312	1.89	0.54
17:A:813:CLA:HMB1	17:A:813:CLA:HBB1	1.88	0.54
1:A:550:VAL:HG21	20:A:845:BCR:HC31	1.89	0.54
2:B:277:ALA:HA	17:B:817:CLA:HMC3	1.88	0.54
14:2:94:LEU:HD23	17:2:307:CLA:HBC2	1.90	0.54
1:A:204:LEU:HD21	17:A:818:CLA:HMC1	1.90	0.54
17:B:827:CLA:HBB1	17:B:827:CLA:HMB1	1.90	0.54
17:A:839:CLA:HMC2	17:B:839:CLA:H42	1.88	0.53
2:B:717:LEU:HD22	17:B:828:CLA:H41	1.91	0.53
2:B:175:HIS:CG	17:B:814:CLA:HMC2	2.43	0.53
17:B:819:CLA:HBB1	17:B:819:CLA:HMB1	1.90	0.53
1:A:214:ILE:HD13	17:A:813:CLA:C3C	2.39	0.53
1:A:440:VAL:CG2	17:A:837:CLA:HMC3	2.39	0.53
17:B:810:CLA:H201	7:I:22:THR:HG22	1.91	0.53
2:B:56:LEU:CD1	17:B:808:CLA:H141	2.38	0.53
17:B:831:CLA:HMB1	17:B:831:CLA:HBB1	1.90	0.53
17:L:203:CLA:HBB1	17:L:203:CLA:HMB1	1.90	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:74:PHE:CZ	17:A:811:CLA:HED1	2.44	0.53
1:A:406:ALA:HB1	1:A:584:ALA:HB1	1.89	0.53
2:B:78:ILE:HG23	2:B:123:TYR:CE1	2.43	0.53
17:A:833:CLA:HHC	17:A:833:CLA:HBB1	1.90	0.53
1:A:366:HIS:ND1	17:A:816:CLA:OBD	2.41	0.52
17:A:820:CLA:H142	17:A:820:CLA:H91	1.92	0.52
20:A:857:BCR:H331	20:A:857:BCR:C8	2.39	0.52
17:A:815:CLA:CHD	17:A:816:CLA:HBB2	2.40	0.52
17:B:811:CLA:HMD3	20:I:101:BCR:H403	1.90	0.52
17:B:832:CLA:HMB1	17:B:832:CLA:HBB1	1.90	0.52
17:A:814:CLA:HHC	17:A:814:CLA:HBB1	1.92	0.52
14:2:123:PHE:CZ	17:2:307:CLA:HED1	2.44	0.52
17:B:818:CLA:HBB1	17:B:818:CLA:HHC	1.91	0.52
1:A:674:PHE:CD2	20:A:846:BCR:H363	2.44	0.52
2:B:654:VAL:CG2	17:B:840:CLA:HMB3	2.39	0.52
13:1:207:ILE:HG23	13:1:207:ILE:O	2.10	0.52
17:A:816:CLA:CMD	17:A:817:CLA:H202	2.40	0.52
1:A:297:ILE:CD1	17:A:816:CLA:HBC2	2.39	0.52
17:A:812:CLA:H2	17:A:814:CLA:HMB2	1.92	0.52
17:B:807:CLA:H142	17:B:828:CLA:C14	2.40	0.52
17:K:103:CLA:HHC	17:K:103:CLA:HBB1	1.92	0.51
17:4:305:CLA:HBC1	17:4:306:CLA:HMC2	1.92	0.51
17:B:830:CLA:HMB1	17:B:830:CLA:HBB1	1.92	0.51
17:A:839:CLA:HHC	17:A:839:CLA:HBB1	1.92	0.51
15:3:86:HIS:CE1	17:3:310:CLA:HMD1	2.45	0.51
17:A:816:CLA:HHC	17:A:816:CLA:HBB1	1.92	0.51
17:B:811:CLA:CBB	7:I:15:GLY:HA3	2.40	0.51
17:B:811:CLA:HBB2	7:I:15:GLY:HA3	1.90	0.51
17:5:304:CLA:HHC	17:5:304:CLA:HBB1	1.93	0.51
17:A:828:CLA:HBB1	17:A:828:CLA:HMB1	1.92	0.51
17:1:308:CLA:HMC1	17:1:308:CLA:HBC2	1.93	0.51
17:5:307:CLA:HHC	17:5:307:CLA:HBB1	1.91	0.51
17:A:855:CLA:HHC	17:A:855:CLA:HBB1	1.93	0.51
13:4:204:ILE:HD12	13:4:205:GLU:N	2.26	0.51
17:2:308:CLA:HHC	17:2:308:CLA:HBB1	1.93	0.51
1:A:213:GLN:HA	1:A:217:SER:HB2	1.93	0.50
17:B:813:CLA:HHC	17:B:813:CLA:HBB1	1.92	0.50
17:B:807:CLA:HMB1	17:B:807:CLA:HBB1	1.92	0.50
17:B:823:CLA:HMB3	17:B:841:CLA:C1D	2.42	0.50
13:1:85:ASN:ND2	17:1:306:CLA:HMD1	2.27	0.50
17:A:829:CLA:CBB	17:A:837:CLA:CBB	2.90	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:695:PRO:HB3	17:B:839:CLA:C1C	2.42	0.50
2:B:155:ILE:HD13	11:M:27:GLN:HB3	1.94	0.50
17:B:801:CLA:HBB1	17:B:801:CLA:HMB1	1.93	0.50
17:B:811:CLA:HMB1	17:B:811:CLA:HBB1	1.94	0.50
17:3:306:CLA:HHC	17:3:306:CLA:HBB1	1.94	0.50
10:L:64:GLU:HB2	17:L:204:CLA:HMB3	1.94	0.50
17:5:311:CLA:HHC	17:5:311:CLA:HBB1	1.93	0.50
1:A:96:ASN:HB3	1:A:131:ILE:HG12	1.94	0.49
1:A:196:HIS:CG	17:A:811:CLA:HMC2	2.47	0.49
17:A:838:CLA:HHC	17:A:838:CLA:HBB1	1.94	0.49
17:2:307:CLA:HBC1	17:2:316:CLA:HMC3	1.94	0.49
17:A:831:CLA:HMC2	17:L:204:CLA:HBB2	1.94	0.49
2:B:280:VAL:HG21	17:B:817:CLA:CBB	2.42	0.49
17:B:815:CLA:H93	17:5:304:CLA:H191	1.93	0.49
17:B:805:CLA:HMB1	17:B:805:CLA:HBB1	1.93	0.49
17:1:311:CLA:HBB1	17:1:311:CLA:HHC	1.95	0.49
17:B:812:CLA:H11	17:B:813:CLA:C3D	2.42	0.49
25:1:314:5X6:C24	14:2:131:GLN:HE22	2.26	0.49
1:A:97:TYR:HA	1:A:141:PHE:CE2	2.48	0.49
17:B:820:CLA:HMB2	17:B:825:CLA:HMA3	1.94	0.49
17:1:301:CLA:HHC	17:1:301:CLA:HBB1	1.94	0.49
17:1:306:CLA:HHC	17:1:306:CLA:HBB1	1.95	0.49
1:A:392:TRP:HB3	17:A:826:CLA:HMC3	1.94	0.49
17:K:102:CLA:HHC	17:K:102:CLA:HBB1	1.95	0.49
17:4:303:CLA:HHC	17:4:303:CLA:HBB1	1.95	0.49
17:A:822:CLA:HHC	17:A:822:CLA:HBB1	1.94	0.49
17:A:831:CLA:C3B	17:A:832:CLA:HMB2	2.43	0.49
2:B:175:HIS:ND1	17:B:814:CLA:HMC2	2.28	0.49
17:B:839:CLA:HMB2	18:B:842:PQN:H271	1.94	0.49
17:B:841:CLA:HHC	17:B:841:CLA:HBB1	1.95	0.49
1:A:356:LEU:HD21	17:A:804:CLA:HBB1	1.94	0.48
17:B:817:CLA:CHD	17:B:818:CLA:HBB2	2.42	0.48
14:2:94:LEU:CD2	17:2:307:CLA:HBC2	2.44	0.48
1:A:548:LYS:HE3	2:B:668:TYR:CE1	2.49	0.48
17:A:808:CLA:HHC	17:A:808:CLA:HBB1	1.94	0.48
2:B:715:TYR:CE1	17:B:804:CLA:HED1	2.48	0.48
17:5:305:CLA:HBA1	17:5:305:CLA:HBD	1.95	0.48
1:A:71:SER:OG	17:A:809:CLA:HHD	2.12	0.48
17:A:803:CLA:HMB1	17:A:803:CLA:HBB1	1.96	0.48
1:A:543:VAL:HG11	17:A:837:CLA:HMB3	1.95	0.48
17:A:822:CLA:HMA1	17:A:859:CLA:CBB	2.44	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:A:831:CLA:H142	20:B:848:BCR:H15C	1.96	0.48
17:B:829:CLA:HBA1	17:B:829:CLA:C4A	2.44	0.48
17:2:313:CLA:HBC2	17:2:313:CLA:HHD	1.95	0.48
1:A:74:PHE:CE1	17:A:811:CLA:HED1	2.49	0.48
17:F:203:CLA:HBB1	17:F:203:CLA:HHC	1.95	0.48
17:1:305:CLA:HBB1	17:1:305:CLA:HHC	1.95	0.48
15:3:143:VAL:HB	15:3:144:PRO:HD3	1.96	0.48
2:B:48:ALA:CB	11:M:28:LEU:HD21	2.44	0.48
2:B:456:ILE:HG21	6:F:91:ASP:HB3	1.95	0.48
17:2:306:CLA:HMD2	17:2:310:CLA:C1D	2.43	0.48
13:4:85:ASN:ND2	17:4:307:CLA:HMD1	2.28	0.48
13:4:192:ILE:HG23	13:4:203:PRO:HG3	1.94	0.48
17:4:310:CLA:HHC	17:4:310:CLA:HBB1	1.96	0.48
2:B:433:GLY:HA3	17:B:857:CLA:CBB	2.43	0.48
2:B:595:LYS:HG2	17:B:836:CLA:HBC1	1.95	0.48
2:B:51:PHE:CZ	17:B:814:CLA:HED1	2.49	0.47
2:B:703:ALA:CB	18:B:842:PQN:C8	2.92	0.47
1:A:326:LYS:O	17:A:859:CLA:HBC3	2.13	0.47
17:B:834:CLA:HHC	17:B:834:CLA:HBB1	1.96	0.47
17:4:311:CLA:HHC	17:4:311:CLA:HBB1	1.96	0.47
1:A:196:HIS:ND1	17:A:811:CLA:HMC2	2.30	0.47
17:3:309:CLA:HHC	17:3:309:CLA:HBB1	1.96	0.47
17:5:306:CLA:HHC	17:5:306:CLA:HBB1	1.96	0.47
17:A:821:CLA:HHC	17:A:821:CLA:HBB1	1.97	0.47
17:A:852:CLA:HMC2	17:B:802:CLA:CAC	2.45	0.47
6:F:145:LYS:HA	13:1:148:TYR:CE2	2.49	0.47
2:B:717:LEU:CD2	17:B:828:CLA:H41	2.45	0.47
17:B:820:CLA:CMB	17:B:825:CLA:HMA3	2.44	0.47
17:O:203:CLA:HHC	17:O:203:CLA:HBB1	1.97	0.47
17:3:308:CLA:HHC	17:3:308:CLA:HBB1	1.95	0.47
14:5:129:LEU:HD21	17:5:305:CLA:HMA1	1.95	0.47
1:A:706:VAL:HG21	17:A:854:CLA:HMB3	1.95	0.47
2:B:625:ASN:HB3	2:B:726:SER:HB2	1.97	0.47
17:B:837:CLA:H41	17:B:837:CLA:H72	1.97	0.47
15:3:177:ARG:HG2	17:3:312:CLA:HED1	1.96	0.47
17:A:804:CLA:HBB1	17:A:804:CLA:HMB1	1.96	0.47
17:A:854:CLA:H193	6:F:121:TYR:HB2	1.97	0.47
17:F:204:CLA:HHC	17:F:204:CLA:HBB1	1.96	0.47
17:3:315:CLA:HHC	17:3:315:CLA:HBB1	1.96	0.47
20:L:205:BCR:H403	20:L:205:BCR:H23C	1.97	0.47
14:2:103:THR:HG22	17:2:307:CLA:O1D	2.14	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:200:GLY:O	1:A:204:LEU:HB2	2.15	0.47
17:A:839:CLA:HMA1	2:B:686:ALA:HB1	1.97	0.47
2:B:629:LEU:HD22	2:B:722:PHE:HA	1.97	0.47
17:A:854:CLA:HMC3	17:A:855:CLA:C4D	2.44	0.47
20:A:857:BCR:H383	20:A:857:BCR:H23C	1.97	0.47
2:B:381:ILE:HG21	17:B:826:CLA:C3C	2.44	0.47
2:B:617:TRP:O	2:B:621:TYR:HB3	2.15	0.47
17:B:821:CLA:HHC	17:B:821:CLA:HBB1	1.97	0.47
17:O:204:CLA:HHC	17:O:204:CLA:HBB1	1.97	0.47
1:A:457:THR:HG21	17:A:832:CLA:HBC3	1.97	0.46
17:5:313:CLA:HHC	17:5:313:CLA:HBB1	1.97	0.46
1:A:536:ALA:HB1	17:A:836:CLA:HMB3	1.97	0.46
17:A:815:CLA:HHC	17:A:815:CLA:HBB1	1.96	0.46
17:B:826:CLA:HAA2	17:B:836:CLA:HMB3	1.96	0.46
17:1:308:CLA:HHC	17:1:308:CLA:HBB1	1.97	0.46
17:2:304:CLA:HHC	17:2:304:CLA:HBB1	1.98	0.46
17:2:315:CLA:HHC	17:2:315:CLA:HBB1	1.97	0.46
17:B:820:CLA:HBC3	17:B:820:CLA:HHD	1.98	0.46
17:3:314:CLA:HHC	17:3:314:CLA:HBB1	1.97	0.46
2:B:143:LEU:HD22	2:B:147:PHE:CE2	2.50	0.46
17:3:313:CLA:HHC	17:3:313:CLA:HBB1	1.96	0.46
17:5:304:CLA:HMD2	17:5:308:CLA:C1D	2.46	0.46
17:A:818:CLA:H202	20:A:844:BCR:C38	2.45	0.46
17:B:833:CLA:HBC2	17:B:833:CLA:HHD	1.97	0.46
17:A:855:CLA:HMC2	20:B:803:BCR:H381	1.96	0.46
13:4:127:MET:SD	17:4:306:CLA:HBC3	2.55	0.46
17:4:303:CLA:HMC1	17:4:303:CLA:HBC2	1.97	0.46
17:5:302:CLA:HHC	17:5:302:CLA:HBB1	1.98	0.46
1:A:704:LEU:HD23	6:F:167:LEU:HD23	1.97	0.46
17:B:835:CLA:HBD	17:B:835:CLA:HAA1	1.98	0.46
20:B:844:BCR:H331	20:B:844:BCR:C8	2.46	0.46
13:1:67:LEU:HD11	14:2:142:PHE:HE1	1.81	0.46
17:5:310:CLA:HHC	17:5:310:CLA:HBB1	1.97	0.46
17:2:304:CLA:HBC1	15:3:162:PHE:HA	1.98	0.46
17:4:306:CLA:HHC	17:4:306:CLA:HBB1	1.98	0.46
17:A:854:CLA:H172	6:F:118:GLY:HA2	1.98	0.46
17:A:859:CLA:HHC	17:A:859:CLA:HBB1	1.97	0.46
17:1:309:CLA:HHC	17:1:309:CLA:HBB1	1.97	0.46
17:A:823:CLA:HMD2	17:A:823:CLA:H143	1.98	0.46
17:A:839:CLA:HMD3	2:B:676:LEU:HD13	1.98	0.46
17:B:833:CLA:HBC2	17:B:833:CLA:CHD	2.44	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
8:J:7:LEU:HA	8:J:12:VAL:HG11	1.98	0.46
17:O:205:CLA:HHC	17:O:205:CLA:HBB1	1.98	0.46
1:A:142:GLN:HB3	1:A:373:TYR:HB3	1.97	0.45
17:A:821:CLA:HMB2	12:O:141:ILE:HD12	1.98	0.45
17:A:854:CLA:HBB1	17:A:854:CLA:HMB1	1.97	0.45
10:L:36:ILE:HB	17:L:203:CLA:HMD1	1.98	0.45
17:A:803:CLA:H42	17:A:803:CLA:O1A	2.15	0.45
2:B:211:ILE:HD12	17:5:313:CLA:HMD2	1.99	0.45
2:B:349:HIS:ND1	17:B:818:CLA:OBD	2.47	0.45
2:B:457:PHE:HD1	17:F:204:CLA:HMC2	1.81	0.45
17:F:203:CLA:HAA2	17:F:203:CLA:HBD	1.97	0.45
2:B:285:ALA:HB2	17:B:820:CLA:HBC2	1.97	0.45
17:B:808:CLA:HHC	17:B:808:CLA:HBB1	1.98	0.45
14:2:133:LEU:HD22	17:2:309:CLA:HMD2	1.97	0.45
17:2:312:CLA:HHC	17:2:312:CLA:HBB1	1.97	0.45
17:3:312:CLA:HHC	17:3:312:CLA:HBB1	1.97	0.45
17:A:815:CLA:HMD1	17:A:834:CLA:O2D	2.17	0.45
17:A:836:CLA:CHD	17:A:836:CLA:H42	2.46	0.45
2:B:629:LEU:HD21	2:B:648:PHE:CD1	2.52	0.45
20:B:803:BCR:H331	20:B:803:BCR:C8	2.47	0.45
17:B:825:CLA:CGA	17:B:825:CLA:HMA2	2.46	0.45
17:B:833:CLA:CAB	17:B:857:CLA:HMB2	2.47	0.45
13:1:58:MET:HE3	13:1:79:LEU:HD21	1.97	0.45
17:4:307:CLA:HHC	17:4:307:CLA:HBB1	1.98	0.45
17:B:835:CLA:HHC	17:B:835:CLA:HBB1	1.99	0.45
17:5:302:CLA:HMC1	17:5:302:CLA:HBC2	1.98	0.45
17:A:853:CLA:C3C	17:B:801:CLA:HMC2	2.47	0.45
20:J:104:BCR:H331	20:J:104:BCR:C8	2.46	0.45
1:A:380:TYR:N	1:A:381:PRO:CD	2.80	0.45
1:A:653:GLN:HG2	1:A:746:SER:HB2	1.99	0.45
17:A:831:CLA:HMC2	17:L:204:CLA:CBB	2.47	0.45
17:B:812:CLA:H11	17:B:813:CLA:C4D	2.47	0.45
2:B:192:LEU:HA	2:B:196:ALA:HB3	1.99	0.45
17:B:816:CLA:H43	20:B:845:BCR:HC21	1.99	0.45
6:F:125:THR:HG22	6:F:134:GLN:HB3	1.98	0.45
17:2:307:CLA:C1A	17:2:307:CLA:CGA	2.95	0.45
17:4:309:CLA:HHC	17:4:309:CLA:HBB1	1.98	0.45
17:5:312:CLA:HMC1	25:5:318:5X6:C21	2.47	0.45
17:A:829:CLA:HMB2	17:A:830:CLA:C1D	2.48	0.44
17:B:834:CLA:HMD2	17:B:835:CLA:CHC	2.47	0.44
17:2:313:CLA:HHC	17:2:313:CLA:HBB1	1.98	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:2:316:CLA:HHC	17:2:316:CLA:HBB1	1.99	0.44
14:5:180:MET:C	17:5:309:CLA:HMA1	2.38	0.44
1:A:635:SER:O	1:A:641:GLY:HA3	2.17	0.44
17:B:802:CLA:HAA2	17:B:802:CLA:HBD	1.98	0.44
20:B:803:BCR:HC8	17:F:203:CLA:HMB2	2.00	0.44
17:B:830:CLA:H92	17:B:830:CLA:H52	1.99	0.44
1:A:557:ARG:HD2	3:C:80:ALA:HB3	1.99	0.44
20:A:846:BCR:H331	20:A:846:BCR:C8	2.46	0.44
2:B:56:LEU:HD21	17:B:807:CLA:CMD	2.38	0.44
2:B:280:VAL:HG21	17:B:817:CLA:HBB1	2.00	0.44
17:B:831:CLA:HMB2	17:B:832:CLA:C2D	2.47	0.44
17:L:204:CLA:HHC	17:L:204:CLA:HBB1	2.00	0.44
1:A:642:TRP:O	1:A:646:PHE:HB3	2.18	0.44
2:B:74:PHE:CZ	2:B:78:ILE:HD11	2.52	0.44
17:5:312:CLA:HHC	17:5:312:CLA:HBB1	1.99	0.44
17:2:307:CLA:HMB2	17:2:309:CLA:HBC2	2.00	0.44
17:4:309:CLA:C1D	17:4:310:CLA:HMD2	2.48	0.44
17:A:804:CLA:H152	17:A:804:CLA:H112	1.87	0.44
17:B:837:CLA:HMB2	17:B:838:CLA:C2D	2.48	0.44
17:K:103:CLA:CMC	20:K:104:BCR:H332	2.48	0.44
17:1:304:CLA:HHC	17:1:304:CLA:HBB1	1.99	0.44
1:A:570:PRO:HB3	1:A:717:ILE:HB	2.00	0.44
17:1:308:CLA:C1D	17:1:309:CLA:HMD2	2.48	0.44
1:A:297:ILE:HD13	17:A:816:CLA:HBC2	2.00	0.44
17:B:817:CLA:C4C	17:B:818:CLA:HBB2	2.47	0.44
6:F:112:GLY:HA3	6:F:153:TRP:CZ2	2.52	0.44
17:B:835:CLA:HMB1	20:B:847:BCR:C3	2.48	0.44
12:O:88:ILE:HG13	12:O:89:PRO:HD3	2.00	0.44
13:1:95:HIS:HB2	17:1:304:CLA:C1C	2.48	0.44
13:4:202:MET:HG3	13:4:203:PRO:HD2	2.00	0.44
17:A:854:CLA:HBB2	6:F:118:GLY:HA3	2.00	0.43
14:2:202:GLN:HG3	14:2:209:ILE:HD11	2.00	0.43
1:A:739:PHE:CD2	16:A:801:CL0:H25	2.53	0.43
2:B:580:TRP:CZ2	17:B:802:CLA:HAB	2.53	0.43
17:1:310:CLA:HHC	17:1:310:CLA:HBB1	2.00	0.43
1:A:79:ILE:HG23	20:J:104:BCR:HC21	2.00	0.43
1:A:204:LEU:HD13	20:A:844:BCR:H21C	2.00	0.43
1:A:330:THR:OG1	19:A:842:LHG:HC12	2.18	0.43
13:1:91:LEU:O	17:1:304:CLA:HMC3	2.19	0.43
17:B:828:CLA:HAA1	17:B:828:CLA:HBD	1.99	0.43
17:B:824:CLA:H52	17:B:825:CLA:H143	2.00	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:2:137:CYS:SG	17:2:310:CLA:CBB	3.06	0.43
15:3:88:ARG:NH2	17:3:311:CLA:O1D	2.51	0.43
17:4:308:CLA:HHC	17:4:308:CLA:HBB1	2.00	0.43
17:B:813:CLA:H62	17:B:813:CLA:H41	1.83	0.43
17:2:307:CLA:HHC	17:2:307:CLA:HBB1	2.00	0.43
1:A:125:ALA:HB2	1:A:661:SER:HB2	2.00	0.43
20:A:843:BCR:H11C	20:A:843:BCR:H341	1.91	0.43
2:B:206:GLY:C	17:B:815:CLA:HMD1	2.39	0.43
14:5:91:LEU:HG	17:5:309:CLA:HMC1	2.01	0.43
17:A:832:CLA:HHC	17:A:832:CLA:HBB1	1.99	0.43
17:B:823:CLA:HBC2	17:B:824:CLA:HBA1	2.01	0.43
14:2:145:LEU:HB3	14:2:146:PRO:HD3	2.01	0.43
14:2:180:MET:C	17:2:311:CLA:HMA1	2.39	0.43
17:3:307:CLA:HHC	17:3:307:CLA:HBB1	2.00	0.43
13:4:83:VAL:HG22	13:4:179:ILE:HD11	2.00	0.43
17:4:311:CLA:HMD2	25:4:314:5X6:C14	2.49	0.43
17:A:859:CLA:ND	12:O:141:ILE:HG22	2.34	0.43
13:4:115:ALA:HB3	13:4:116:PRO:HD3	2.00	0.43
13:4:142:HIS:NE2	17:4:307:CLA:HED1	2.34	0.43
6:F:153:TRP:N	6:F:154:PRO:CD	2.82	0.43
17:4:305:CLA:HHC	17:4:305:CLA:HBB1	2.00	0.43
1:A:272:LEU:HD22	1:A:292:HIS:HA	2.01	0.42
1:A:301:PHE:HE1	17:A:819:CLA:HAB	1.84	0.42
2:B:178:ALA:HA	2:B:283:ILE:HA	2.01	0.42
2:B:712:THR:HG21	24:B:849:DGD:HBH2	2.01	0.42
17:A:826:CLA:H202	20:J:104:BCR:C17	2.49	0.42
17:B:807:CLA:H91	24:B:849:DGD:HBN1	2.00	0.42
17:5:313:CLA:HBC3	17:5:313:CLA:HHD	2.01	0.42
17:B:839:CLA:H171	10:L:89:LEU:HD11	2.02	0.42
13:1:115:ALA:HB3	13:1:116:PRO:HD3	2.00	0.42
2:B:629:LEU:O	2:B:645:ALA:HB2	2.20	0.42
6:F:122:LEU:HD12	6:F:122:LEU:HA	1.94	0.42
17:5:308:CLA:HBA2	17:5:308:CLA:H3A	1.90	0.42
2:B:74:PHE:HA	2:B:119:TYR:CE2	2.54	0.42
20:A:843:BCR:H362	20:A:844:BCR:H21C	2.02	0.42
2:B:574:PHE:CE2	17:B:830:CLA:HMD2	2.55	0.42
17:B:823:CLA:HHC	17:B:841:CLA:HED1	2.01	0.42
1:A:12:VAL:HG22	1:A:183:LYS:HG3	2.01	0.42
2:B:148:LEU:HD21	20:M:101:BCR:H342	2.02	0.42
2:B:297:HIS:CB	2:B:302:ILE:HD11	2.50	0.42
2:B:709:VAL:HG21	17:B:830:CLA:H91	2.01	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:B:812:CLA:HMD2	14:5:77:TRP:CD2	2.55	0.42
17:L:203:CLA:HMB3	17:L:204:CLA:HBC2	2.01	0.42
17:2:314:CLA:HHC	17:2:314:CLA:HBB1	2.02	0.42
1:A:320:GLN:NE2	26:A:912:HOH:O	2.50	0.42
17:B:812:CLA:H61	17:B:812:CLA:H41	1.85	0.42
15:3:191:ILE:HD11	17:3:305:CLA:HAC1	2.01	0.42
20:A:846:BCR:H362	17:B:802:CLA:H11	2.01	0.41
17:B:801:CLA:H3A	17:B:801:CLA:CGA	2.49	0.41
13:1:127:MET:SD	17:1:305:CLA:HBC3	2.60	0.41
17:5:308:CLA:H151	17:5:313:CLA:HMC1	2.00	0.41
2:B:496:LEU:HA	2:B:499:ILE:HG22	2.02	0.41
17:B:813:CLA:C3D	17:B:814:CLA:HMC3	2.50	0.41
17:B:857:CLA:H42	19:J:102:LHG:HC62	2.02	0.41
17:3:306:CLA:CAB	25:3:317:5X6:C21	2.97	0.41
14:5:145:LEU:HB3	14:5:146:PRO:HD3	2.01	0.41
1:A:594:TRP:CH2	17:A:853:CLA:HAB	2.55	0.41
1:A:204:LEU:HD22	20:A:843:BCR:H361	2.02	0.41
2:B:409:MET:SD	17:B:831:CLA:CHD	3.08	0.41
2:B:556:PRO:HB3	2:B:700:ILE:HB	2.02	0.41
14:2:129:LEU:HD21	17:2:307:CLA:HMA1	2.01	0.41
1:A:91:GLY:O	1:A:95:SER:OG	2.29	0.41
2:B:172:ARG:NH2	26:B:922:HOH:O	2.54	0.41
2:B:385:PHE:CZ	20:B:847:BCR:H373	2.54	0.41
17:B:810:CLA:CMB	17:B:811:CLA:C1C	2.98	0.41
17:B:822:CLA:HBB1	17:B:822:CLA:HHC	2.03	0.41
17:1:303:CLA:HMD2	17:1:306:CLA:C1D	2.51	0.41
17:A:852:CLA:HMC2	17:B:802:CLA:HAC1	2.01	0.41
17:5:314:CLA:HHC	17:5:314:CLA:HBB1	2.02	0.41
1:A:423:LEU:HD13	17:A:819:CLA:H202	2.02	0.41
1:A:723:VAL:HG13	1:A:727:HIS:CE1	2.55	0.41
3:C:58:CYS:HA	21:C:102:SF4:S4	2.61	0.41
6:F:153:TRP:CG	6:F:154:PRO:HD3	2.56	0.41
17:A:810:CLA:HBC1	17:A:811:CLA:H142	2.02	0.41
2:B:187:ALA:O	17:B:815:CLA:HMC3	2.21	0.41
1:A:739:PHE:CG	16:A:801:CL0:H25	2.56	0.41
17:B:805:CLA:H92	11:M:25:ALA:HB2	2.03	0.41
17:B:812:CLA:CMD	14:5:77:TRP:CD2	3.03	0.41
1:A:706:VAL:O	1:A:706:VAL:HG22	2.21	0.41
17:B:836:CLA:HBC2	17:B:836:CLA:HHD	2.03	0.41
14:5:101:PHE:CD1	17:5:314:CLA:HMD3	2.56	0.41
1:A:733:ILE:HG21	17:A:826:CLA:HMC2	2.02	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
17:A:815:CLA:C4C	17:A:816:CLA:HBB2	2.51	0.40
2:B:482:ASN:N	2:B:482:ASN:HD22	2.19	0.40
2:B:591:TYR:CE1	17:B:836:CLA:HBC3	2.56	0.40
7:I:18:LEU:HB3	7:I:19:PRO:HD3	2.02	0.40
13:1:198:LEU:HD23	17:1:310:CLA:HED3	2.03	0.40
17:5:305:CLA:HHC	17:5:305:CLA:HBB1	2.04	0.40
17:B:810:CLA:H172	17:B:840:CLA:H43	2.02	0.40
17:B:827:CLA:H201	17:B:841:CLA:H172	2.02	0.40
17:B:839:CLA:HHC	17:B:839:CLA:HBB1	2.02	0.40
17:O:203:CLA:HBC2	17:O:204:CLA:H11	2.03	0.40
14:2:129:LEU:HA	14:2:132:VAL:HG22	2.04	0.40
1:A:214:ILE:HD13	17:A:813:CLA:CAC	2.51	0.40
17:A:810:CLA:C3D	17:A:811:CLA:HMC3	2.52	0.40
2:B:567:ASP:HA	2:B:572:ASP:CG	2.42	0.40
17:B:804:CLA:HMB1	17:B:804:CLA:HBB1	2.04	0.40
1:A:296:ALA:HA	17:A:815:CLA:HMC3	2.02	0.40
1:A:710:ILE:CD1	6:F:136:ILE:HG23	2.51	0.40
17:A:853:CLA:HAA2	17:A:853:CLA:HBD	2.04	0.40
17:B:810:CLA:H201	7:I:22:THR:CG2	2.50	0.40
7:I:6:LEU:HD23	7:I:6:LEU:HA	1.98	0.40
2:B:48:ALA:HB2	2:B:155:ILE:HG23	2.03	0.40
17:B:831:CLA:HAA1	17:B:841:CLA:H41	2.04	0.40
15:3:138:GLU:O	15:3:143:VAL:N	2.53	0.40

There are no symmetry-related clashes.

5.3 Torsion angles [i](#)

5.3.1 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 EM 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	739/748 (99%)	716 (97%)	22 (3%)	1 (0%)	48 40
2	B	728/732 (100%)	712 (98%)	16 (2%)	0	100 100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	C	78/81 (96%)	76 (97%)	2 (3%)	0	100	100
4	D	115/139 (83%)	112 (97%)	3 (3%)	0	100	100
5	E	59/61 (97%)	55 (93%)	4 (7%)	0	100	100
6	F	156/178 (88%)	153 (98%)	2 (1%)	1 (1%)	22	10
7	I	30/32 (94%)	29 (97%)	1 (3%)	0	100	100
8	J	36/38 (95%)	35 (97%)	1 (3%)	0	100	100
9	K	61/68 (90%)	58 (95%)	3 (5%)	0	100	100
10	L	119/141 (84%)	113 (95%)	5 (4%)	1 (1%)	16	6
11	M	26/28 (93%)	26 (100%)	0	0	100	100
12	O	81/155 (52%)	70 (86%)	7 (9%)	4 (5%)	2	0
13	1	170/214 (79%)	149 (88%)	19 (11%)	2 (1%)	11	3
13	4	170/214 (79%)	150 (88%)	17 (10%)	3 (2%)	7	1
14	2	181/222 (82%)	171 (94%)	10 (6%)	0	100	100
14	5	181/222 (82%)	171 (94%)	10 (6%)	0	100	100
15	3	149/219 (68%)	137 (92%)	11 (7%)	1 (1%)	19	9
All	All	3079/3492 (88%)	2933 (95%)	133 (4%)	13 (0%)	32	19

All (13) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
13	1	99	THR
12	O	88	ILE
1	A	508	ALA
6	F	53	ALA
10	L	22	ASN
12	O	91	LEU
13	4	209	ASN
12	O	66	LEU
13	1	209	ASN
13	4	104	PHE
13	4	100	GLU
15	3	109	LYS
12	O	67	ASN

5.3.2 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 EM 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	601/608 (99%)	597 (99%)	4 (1%)	81	77
2	B	596/598 (100%)	588 (99%)	8 (1%)	65	55
3	C	66/67 (98%)	66 (100%)	0	100	100
4	D	98/116 (84%)	97 (99%)	1 (1%)	73	67
5	E	57/57 (100%)	57 (100%)	0	100	100
6	F	136/153 (89%)	134 (98%)	2 (2%)	60	49
7	I	27/27 (100%)	27 (100%)	0	100	100
8	J	34/34 (100%)	34 (100%)	0	100	100
9	K	51/56 (91%)	51 (100%)	0	100	100
10	L	96/114 (84%)	93 (97%)	3 (3%)	35	18
11	M	22/22 (100%)	20 (91%)	2 (9%)	7	1
12	O	63/118 (53%)	61 (97%)	2 (3%)	34	17
13	1	143/178 (80%)	141 (99%)	2 (1%)	62	51
13	4	143/178 (80%)	138 (96%)	5 (4%)	31	15
14	2	146/174 (84%)	145 (99%)	1 (1%)	81	77
14	5	146/174 (84%)	142 (97%)	4 (3%)	40	24
15	3	117/171 (68%)	117 (100%)	0	100	100
All	All	2542/2845 (89%)	2508 (99%)	34 (1%)	64	55

All (34) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	245	LEU
1	A	274	PHE
1	A	320	GLN
1	A	599	LEU
2	B	102	LYS
2	B	106	ARG
2	B	143	LEU

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Mol	Chain	Res	Type
2	B	255	PHE
2	B	330	PHE
2	B	351	TYR
2	B	482	ASN
2	B	692	LYS
4	D	129	VAL
6	F	35	LYS
6	F	130	ASN
10	L	20	PRO
10	L	28	ARG
10	L	111	LEU
11	M	13	MET
11	M	15	LEU
12	O	88	ILE
12	O	91	LEU
13	1	112	LYS
13	1	209	ASN
14	2	153	GLU
13	4	94	LEU
13	4	104	PHE
13	4	145	LYS
13	4	184	LEU
13	4	209	ASN
14	5	47	LEU
14	5	48	LYS
14	5	176	GLN
14	5	212	GLN

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (14) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	320	GLN
1	A	493	ASN
1	A	535	HIS
1	A	564	ASN
1	A	605	HIS
2	B	169	ASN
2	B	227	ASN
2	B	482	ASN
6	F	134	GLN
11	M	5	ASN
13	1	206	GLN

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Mol	Chain	Res	Type
14	2	131	GLN
14	2	212	GLN
13	4	194	HIS

5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 238 ligands modelled in this entry, 25 are unknown - leaving 213 for Mogul analysis.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or 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 length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
17	CLA	B	805	-	63,73,73	1.93	15 (23%)	74,113,113	4.19	35 (47%)
17	CLA	3	314	-	44,54,73	2.55	16 (36%)	51,90,113	3.05	25 (49%)
17	CLA	4	307	13	43,53,73	2.53	16 (37%)	50,89,113	3.01	26 (52%)
17	CLA	B	809	-	63,73,73	1.79	16 (25%)	74,113,113	2.79	30 (40%)
17	CLA	A	819	26	63,73,73	1.93	13 (20%)	74,113,113	2.55	26 (35%)
17	CLA	A	806	1	63,73,73	1.81	15 (23%)	74,113,113	2.68	25 (33%)
17	CLA	5	303	14	63,73,73	2.13	16 (25%)	74,113,113	2.67	31 (41%)
25	5X6	4	312	-	43,43,43	4.70	23 (53%)	56,60,60	4.55	28 (50%)
20	BCR	L	201	-	41,41,41	1.30	6 (14%)	56,56,56	1.47	8 (14%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
17	CLA	F	203	26	43,53,73	2.34	16 (37%)	50,89,113	2.94	23 (46%)
25	5X6	4	314	-	43,43,43	4.75	24 (55%)	56,60,60	4.66	32 (57%)
17	CLA	5	307	-	43,53,73	2.39	16 (37%)	50,89,113	3.15	25 (50%)
17	CLA	B	812	-	63,73,73	1.98	15 (23%)	74,113,113	2.48	28 (37%)
17	CLA	B	825	26	63,73,73	1.91	17 (26%)	74,113,113	2.63	25 (33%)
17	CLA	A	839	26	63,73,73	1.92	16 (25%)	74,113,113	2.70	25 (33%)
17	CLA	B	814	-	63,73,73	1.93	16 (25%)	74,113,113	2.61	25 (33%)
21	SF4	C	102	3	0,12,12	-	-	-	-	-
22	LMT	L	207	-	36,36,36	0.44	0	47,47,47	0.55	0
17	CLA	5	312	14	43,53,73	2.55	16 (37%)	50,89,113	3.04	22 (44%)
17	CLA	B	827	-	63,73,73	1.86	15 (23%)	74,113,113	2.62	30 (40%)
17	CLA	B	808	-	63,73,73	1.90	16 (25%)	74,113,113	2.80	24 (32%)
17	CLA	B	834	26	63,73,73	1.92	15 (23%)	74,113,113	2.61	29 (39%)
17	CLA	5	313	-	43,53,73	2.52	16 (37%)	50,89,113	2.97	26 (52%)
17	CLA	A	856	-	63,73,73	1.88	16 (25%)	74,113,113	2.65	26 (35%)
17	CLA	A	828	-	63,73,73	1.83	14 (22%)	74,113,113	2.74	26 (35%)
17	CLA	A	808	-	53,63,73	2.08	14 (26%)	62,101,113	2.77	28 (45%)
20	BCR	B	846	-	41,41,41	1.38	7 (17%)	56,56,56	1.62	11 (19%)
17	CLA	B	831	-	63,73,73	1.93	15 (23%)	74,113,113	2.62	30 (40%)
17	CLA	2	306	-	43,53,73	2.53	16 (37%)	50,89,113	3.02	25 (50%)
20	BCR	A	846	-	41,41,41	1.35	4 (9%)	56,56,56	1.24	8 (14%)
17	CLA	B	823	-	41,51,73	2.49	16 (39%)	47,86,113	3.14	23 (48%)
17	CLA	A	831	-	63,73,73	1.90	18 (28%)	74,113,113	2.61	26 (35%)
17	CLA	B	839	26	63,73,73	1.88	15 (23%)	74,113,113	2.64	21 (28%)
17	CLA	B	819	-	58,68,73	1.97	14 (24%)	68,107,113	2.90	30 (44%)
17	CLA	B	804	-	63,73,73	1.79	15 (23%)	74,113,113	2.59	26 (35%)
17	CLA	B	826	26	63,73,73	1.92	14 (22%)	74,113,113	2.65	28 (37%)
17	CLA	5	311	14	43,53,73	2.60	17 (39%)	50,89,113	3.06	22 (44%)
17	CLA	A	854	-	63,73,73	1.82	15 (23%)	74,113,113	2.69	25 (33%)
17	CLA	A	818	-	63,73,73	2.02	16 (25%)	74,113,113	2.65	31 (41%)
17	CLA	1	301	13	43,53,73	2.53	16 (37%)	50,89,113	2.90	21 (42%)
17	CLA	A	834	1	63,73,73	2.02	16 (25%)	74,113,113	2.61	29 (39%)
17	CLA	2	304	14	43,53,73	2.54	16 (37%)	50,89,113	3.17	26 (52%)
17	CLA	5	306	14	43,53,73	2.57	17 (39%)	50,89,113	3.04	24 (48%)
20	BCR	B	803	-	41,41,41	1.29	5 (12%)	56,56,56	1.60	10 (17%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
22	LMT	3	301	-	36,36,36	0.48	0	47,47,47	0.52	0
22	LMT	B	850	-	36,36,36	0.41	0	47,47,47	0.67	0
17	CLA	B	820	26	63,73,73	2.02	16 (25%)	74,113,113	2.45	27 (36%)
17	CLA	B	822	-	44,54,73	2.44	15 (34%)	51,90,113	3.16	24 (47%)
17	CLA	A	829	-	48,58,73	2.10	14 (29%)	56,95,113	2.87	30 (53%)
17	CLA	A	836	-	54,64,73	2.13	17 (31%)	63,102,113	2.81	28 (44%)
17	CLA	B	830	-	63,73,73	1.79	13 (20%)	74,113,113	2.81	29 (39%)
25	5X6	F	205	-	43,43,43	4.02	25 (58%)	56,60,60	5.59	32 (57%)
17	CLA	B	806	-	63,73,73	1.92	15 (23%)	74,113,113	2.71	27 (36%)
17	CLA	2	311	14	53,63,73	2.31	15 (28%)	62,101,113	2.97	25 (40%)
25	5X6	4	313	-	43,43,43	4.79	24 (55%)	56,60,60	4.10	30 (53%)
17	CLA	B	824	-	53,63,73	2.16	15 (28%)	62,101,113	2.92	28 (45%)
17	CLA	5	309	14	63,73,73	2.11	15 (23%)	74,113,113	2.70	30 (40%)
17	CLA	5	314	-	40,52,73	2.54	16 (40%)	50,87,113	2.96	22 (44%)
17	CLA	B	807	-	63,73,73	1.86	15 (23%)	74,113,113	2.54	27 (36%)
25	5X6	1	314	-	43,43,43	4.62	23 (53%)	56,60,60	4.72	33 (58%)
25	5X6	5	315	-	43,43,43	4.62	24 (55%)	56,60,60	4.84	31 (55%)
20	BCR	A	857	-	41,41,41	1.35	7 (17%)	56,56,56	1.36	7 (12%)
17	CLA	5	302	14	43,53,73	2.62	17 (39%)	50,89,113	3.05	21 (42%)
20	BCR	M	101	-	41,41,41	1.37	6 (14%)	56,56,56	1.56	13 (23%)
17	CLA	A	811	-	63,73,73	1.88	16 (25%)	74,113,113	2.58	27 (36%)
17	CLA	A	816	-	63,73,73	1.86	16 (25%)	74,113,113	2.56	23 (31%)
17	CLA	B	857	-	56,66,73	1.94	14 (25%)	65,104,113	2.93	26 (40%)
25	5X6	1	313	-	43,43,43	4.67	24 (55%)	56,60,60	4.70	32 (57%)
17	CLA	A	824	26	53,63,73	2.01	14 (26%)	62,101,113	3.01	29 (46%)
20	BCR	I	101	-	41,41,41	1.33	6 (14%)	56,56,56	1.33	10 (17%)
17	CLA	O	203	-	39,49,73	2.65	16 (41%)	46,84,113	3.25	24 (52%)
20	BCR	B	848	-	41,41,41	1.32	5 (12%)	56,56,56	1.46	8 (14%)
21	SF4	C	101	3	0,12,12	-	-	-	-	-
17	CLA	2	313	14	40,50,73	2.61	15 (37%)	45,85,113	3.23	23 (51%)
24	DGD	B	849	-	67,67,67	0.88	2 (2%)	81,81,81	0.88	4 (4%)
17	CLA	A	812	-	63,73,73	1.95	14 (22%)	74,113,113	2.70	22 (29%)
17	CLA	A	820	-	63,73,73	2.00	15 (23%)	74,113,113	2.65	30 (40%)
22	LMT	A	848	-	36,36,36	0.50	0	47,47,47	1.11	4 (8%)
17	CLA	1	308	-	39,49,73	2.63	15 (38%)	46,84,113	3.19	24 (52%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
17	CLA	A	830	-	54,64,73	2.14	16 (29%)	63,102,113	2.77	26 (41%)
20	BCR	B	843	-	41,41,41	1.33	6 (14%)	56,56,56	1.34	9 (16%)
21	SF4	A	847	2,1	0,12,12	-	-	-	-	-
25	5X6	2	318	-	43,43,43	4.59	24 (55%)	56,60,60	4.43	31 (55%)
17	CLA	A	827	-	63,73,73	1.78	14 (22%)	74,113,113	2.53	25 (33%)
17	CLA	4	309	-	39,49,73	2.65	16 (41%)	46,84,113	3.23	24 (52%)
17	CLA	4	303	13	46,56,73	2.48	16 (34%)	53,92,113	3.02	25 (47%)
17	CLA	A	835	-	49,59,73	2.20	17 (34%)	56,96,113	2.86	25 (44%)
17	CLA	3	311	15	50,60,73	2.38	15 (30%)	57,97,113	3.03	23 (40%)
17	CLA	3	309	-	43,53,73	2.55	16 (37%)	50,89,113	3.09	23 (46%)
17	CLA	A	802	17	53,63,73	2.04	14 (26%)	62,101,113	2.79	26 (41%)
17	CLA	B	829	-	63,73,73	1.85	13 (20%)	74,113,113	2.63	27 (36%)
17	CLA	2	305	14	63,73,73	2.11	15 (23%)	74,113,113	2.65	28 (37%)
17	CLA	O	205	-	43,53,73	2.61	17 (39%)	50,89,113	3.06	24 (48%)
17	CLA	2	309	-	43,53,73	2.51	16 (37%)	50,89,113	3.14	25 (50%)
17	CLA	2	316	-	43,53,73	2.58	17 (39%)	50,89,113	3.08	23 (46%)
17	CLA	3	315	-	49,59,73	2.44	17 (34%)	56,96,113	3.01	25 (44%)
17	CLA	2	308	14	43,53,73	2.61	17 (39%)	50,89,113	3.02	23 (46%)
17	CLA	A	810	-	52,62,73	2.18	18 (34%)	60,99,113	2.88	27 (45%)
17	CLA	B	832	-	63,73,73	1.97	17 (26%)	74,113,113	2.52	26 (35%)
17	CLA	A	814	26	43,53,73	2.43	16 (37%)	50,89,113	3.09	22 (44%)
19	LHG	A	841	-	48,48,48	0.32	0	51,54,54	0.36	0
17	CLA	3	306	-	43,53,73	2.52	16 (37%)	50,89,113	3.07	27 (54%)
17	CLA	A	832	-	63,73,73	1.89	14 (22%)	74,113,113	2.66	27 (36%)
17	CLA	B	835	26	43,53,73	2.36	15 (34%)	50,89,113	3.04	26 (52%)
17	CLA	A	803	-	63,73,73	1.90	16 (25%)	74,113,113	2.70	26 (35%)
17	CLA	A	805	-	48,58,73	2.20	15 (31%)	56,95,113	3.06	26 (46%)
17	CLA	B	811	-	63,73,73	1.92	15 (23%)	74,113,113	2.51	28 (37%)
17	CLA	B	836	-	58,68,73	1.92	14 (24%)	68,107,113	2.65	26 (38%)
25	5X6	1	316	-	43,43,43	4.69	23 (53%)	56,60,60	4.38	28 (50%)
20	BCR	B	844	-	41,41,41	1.34	6 (14%)	56,56,56	1.27	6 (10%)
17	CLA	B	821	-	43,53,73	2.44	16 (37%)	50,89,113	3.08	25 (50%)
22	LMT	B	851	-	36,36,36	0.45	0	47,47,47	0.54	0
25	5X6	3	318	-	43,43,43	4.72	25 (58%)	56,60,60	4.49	31 (55%)
17	CLA	B	810	2	63,73,73	1.85	15 (23%)	74,113,113	2.59	26 (35%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
17	CLA	4	310	-	43,53,73	2.62	17 (39%)	50,89,113	3.04	24 (48%)
25	5X6	2	320	-	43,43,43	4.71	25 (58%)	56,60,60	4.36	31 (55%)
17	CLA	1	309	13	43,53,73	2.58	16 (37%)	50,89,113	3.07	24 (48%)
17	CLA	B	840	-	63,73,73	1.81	17 (26%)	74,113,113	2.73	28 (37%)
17	CLA	A	853	26	63,73,73	1.78	17 (26%)	74,113,113	2.73	30 (40%)
17	CLA	A	809	17	63,73,73	1.85	18 (28%)	74,113,113	2.64	25 (33%)
17	CLA	5	304	-	63,73,73	2.01	15 (23%)	74,113,113	2.54	29 (39%)
25	5X6	5	301	-	43,43,43	4.72	25 (58%)	56,60,60	4.33	29 (51%)
25	5X6	5	316	-	43,43,43	4.48	24 (55%)	56,60,60	4.72	28 (50%)
25	5X6	3	317	-	43,43,43	4.67	24 (55%)	56,60,60	4.38	27 (48%)
17	CLA	L	203	-	63,73,73	2.02	16 (25%)	74,113,113	2.54	25 (33%)
17	CLA	K	102	26	53,63,73	2.27	16 (30%)	62,101,113	2.83	27 (43%)
17	CLA	A	833	-	63,73,73	1.88	13 (20%)	74,113,113	2.50	30 (40%)
17	CLA	A	807	1	63,73,73	1.94	17 (26%)	74,113,113	2.81	30 (40%)
25	5X6	2	317	-	43,43,43	4.76	24 (55%)	56,60,60	4.32	30 (53%)
17	CLA	3	308	-	43,53,73	2.57	16 (37%)	50,89,113	2.99	22 (44%)
17	CLA	A	823	26	63,73,73	1.92	16 (25%)	74,113,113	2.70	26 (35%)
17	CLA	2	307	14	53,63,73	2.25	17 (32%)	62,101,113	3.07	27 (43%)
17	CLA	A	855	26	59,69,73	1.91	15 (25%)	69,108,113	2.77	26 (37%)
20	BCR	A	843	-	41,41,41	1.35	7 (17%)	56,56,56	1.38	12 (21%)
20	BCR	L	206	-	41,41,41	1.33	7 (17%)	56,56,56	1.41	10 (17%)
25	5X6	5	318	-	43,43,43	4.66	25 (58%)	56,60,60	4.80	32 (57%)
17	CLA	A	817	-	63,73,73	1.89	13 (20%)	74,113,113	2.66	28 (37%)
17	CLA	4	311	-	43,53,73	2.59	17 (39%)	50,89,113	3.13	22 (44%)
17	CLA	4	305	13	43,53,73	2.57	17 (39%)	50,89,113	3.10	24 (48%)
19	LHG	J	102	-	48,48,48	0.27	0	51,54,54	0.36	0
17	CLA	2	314	14	43,53,73	2.58	16 (37%)	50,89,113	3.07	22 (44%)
17	CLA	A	821	-	49,59,73	2.23	17 (34%)	56,96,113	3.07	26 (46%)
17	CLA	L	202	10	55,65,73	2.23	17 (30%)	64,103,113	2.78	26 (40%)
17	CLA	A	852	-	63,73,73	1.86	13 (20%)	74,113,113	2.45	30 (40%)
25	5X6	5	317	-	43,43,43	4.77	24 (55%)	56,60,60	4.66	31 (55%)
17	CLA	1	303	13	53,63,73	2.27	15 (28%)	62,101,113	2.78	25 (40%)
17	CLA	B	841	-	63,73,73	2.04	16 (25%)	74,113,113	2.64	25 (33%)
17	CLA	1	305	-	43,53,73	2.65	17 (39%)	50,89,113	2.99	22 (44%)
17	CLA	4	306	-	43,53,73	2.62	16 (37%)	50,89,113	3.04	22 (44%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
18	PQN	A	840	-	34,34,34	1.54	2 (5%)	43,45,45	1.08	3 (6%)
22	LMT	F	201	-	36,36,36	0.49	1 (2%)	47,47,47	0.56	0
25	5X6	3	316	-	43,43,43	4.74	25 (58%)	56,60,60	4.57	30 (53%)
20	BCR	A	845	-	41,41,41	1.38	7 (17%)	56,56,56	1.43	9 (16%)
17	CLA	1	307	13	58,68,73	2.18	15 (25%)	68,107,113	2.76	25 (36%)
17	CLA	4	304	13	57,67,73	2.23	16 (28%)	66,105,113	2.83	28 (42%)
20	BCR	B	847	-	41,41,41	1.32	7 (17%)	56,56,56	1.39	9 (16%)
17	CLA	F	204	6	39,49,73	2.53	16 (41%)	46,84,113	3.30	26 (56%)
19	LHG	A	842	17	39,39,48	0.28	0	42,45,54	0.37	0
17	CLA	A	859	19	44,54,73	2.38	16 (36%)	51,90,113	3.15	21 (41%)
17	CLA	4	308	13	43,53,73	2.57	16 (37%)	50,89,113	3.11	23 (46%)
20	BCR	A	844	-	41,41,41	1.35	6 (14%)	56,56,56	1.36	7 (12%)
17	CLA	B	818	-	57,67,73	1.97	16 (28%)	66,105,113	2.83	28 (42%)
17	CLA	2	312	-	39,49,73	2.63	16 (41%)	46,84,113	3.29	24 (52%)
25	5X6	2	321	-	43,43,43	4.66	23 (53%)	56,60,60	4.91	28 (50%)
17	CLA	5	310	-	39,49,73	2.67	17 (43%)	46,84,113	3.25	23 (50%)
17	CLA	A	815	-	60,70,73	1.98	15 (25%)	70,109,113	2.63	26 (37%)
17	CLA	B	802	26	63,73,73	1.75	14 (22%)	74,113,113	2.86	32 (43%)
17	CLA	A	837	-	63,73,73	1.81	15 (23%)	74,113,113	2.79	23 (31%)
17	CLA	3	305	15	61,71,73	2.14	15 (24%)	71,110,113	2.68	26 (36%)
17	CLA	O	204	-	48,58,73	2.45	16 (33%)	56,95,113	3.06	26 (46%)
20	BCR	J	104	-	41,41,41	1.36	6 (14%)	56,56,56	1.30	6 (10%)
17	CLA	B	813	-	53,63,73	2.20	17 (32%)	62,101,113	2.88	27 (43%)
17	CLA	A	825	-	63,73,73	1.90	15 (23%)	74,113,113	2.67	27 (36%)
17	CLA	B	817	-	53,63,73	2.14	14 (26%)	62,101,113	2.90	27 (43%)
17	CLA	B	828	-	63,73,73	1.78	14 (22%)	74,113,113	2.69	29 (39%)
16	CL0	A	801	-	63,73,73	1.79	13 (20%)	74,113,113	2.61	31 (41%)
17	CLA	3	307	-	53,63,73	2.34	17 (32%)	62,101,113	2.92	28 (45%)
17	CLA	2	315	-	43,53,73	2.57	16 (37%)	50,89,113	3.04	23 (46%)
17	CLA	A	813	-	40,50,73	2.43	15 (37%)	45,85,113	3.22	27 (60%)
17	CLA	B	833	-	63,73,73	1.83	17 (26%)	74,113,113	2.77	28 (37%)
17	CLA	B	838	-	45,55,73	2.26	16 (35%)	52,91,113	3.21	25 (48%)
17	CLA	1	311	-	43,53,73	2.61	17 (39%)	50,89,113	3.14	24 (48%)
20	BCR	O	202	-	41,41,41	1.37	7 (17%)	56,56,56	1.39	11 (19%)
17	CLA	1	306	13	53,63,73	2.28	16 (30%)	62,101,113	2.65	29 (46%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
17	CLA	2	310	14	43,53,73	2.56	16 (37%)	50,89,113	2.95	21 (42%)
17	CLA	B	816	-	63,73,73	1.98	14 (22%)	74,113,113	2.58	25 (33%)
17	CLA	L	204	26	48,58,73	2.37	16 (33%)	56,95,113	2.88	24 (42%)
25	5X6	1	312	-	43,43,43	4.70	24 (55%)	56,60,60	4.40	30 (53%)
17	CLA	3	313	15	40,50,73	2.60	16 (40%)	45,85,113	3.20	22 (48%)
17	CLA	B	815	-	63,73,73	1.98	15 (23%)	74,113,113	2.63	26 (35%)
20	BCR	L	205	-	41,41,41	1.35	7 (17%)	56,56,56	1.26	6 (10%)
17	CLA	1	310	-	43,53,73	2.60	16 (37%)	50,89,113	3.06	21 (42%)
17	CLA	5	305	14	63,73,73	2.15	15 (23%)	74,113,113	2.89	36 (48%)
17	CLA	K	103	-	40,50,73	2.41	16 (40%)	45,85,113	3.21	25 (55%)
17	CLA	A	838	-	63,73,73	1.83	15 (23%)	74,113,113	2.65	30 (40%)
17	CLA	B	837	-	63,73,73	1.93	16 (25%)	74,113,113	2.72	30 (40%)
25	5X6	J	105	-	43,43,43	4.15	24 (55%)	56,60,60	5.07	28 (50%)
17	CLA	A	804	1	63,73,73	1.86	15 (23%)	74,113,113	2.58	29 (39%)
17	CLA	A	826	-	63,73,73	1.89	15 (23%)	74,113,113	2.63	28 (37%)
25	5X6	1	315	-	43,43,43	4.72	23 (53%)	56,60,60	4.78	30 (53%)
17	CLA	1	304	-	43,53,73	2.55	16 (37%)	50,89,113	3.15	22 (44%)
22	LMT	B	852	-	36,36,36	0.48	0	47,47,47	0.55	0
17	CLA	B	801	-	63,73,73	1.83	14 (22%)	74,113,113	2.34	25 (33%)
17	CLA	1	302	13	57,67,73	2.16	16 (28%)	66,105,113	2.64	27 (40%)
25	5X6	2	319	-	43,43,43	4.84	24 (55%)	56,60,60	4.17	29 (51%)
20	BCR	B	845	-	41,41,41	1.32	7 (17%)	56,56,56	1.33	8 (14%)
17	CLA	A	822	-	53,63,73	2.09	14 (26%)	62,101,113	2.95	22 (35%)
17	CLA	3	312	-	39,49,73	2.66	16 (41%)	46,84,113	3.25	24 (52%)
18	PQN	B	842	-	34,34,34	1.48	2 (5%)	43,45,45	1.16	4 (9%)
17	CLA	3	310	15	43,53,73	2.49	16 (37%)	50,89,113	3.08	25 (50%)
17	CLA	J	103	8	40,50,73	2.35	16 (40%)	45,85,113	3.17	24 (53%)
17	CLA	5	308	14	63,73,73	2.13	16 (25%)	74,113,113	2.56	29 (39%)
20	BCR	K	104	-	41,41,41	1.35	8 (19%)	56,56,56	1.60	15 (26%)

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
17	CLA	B	805	-	1/1/15/20	14/37/115/115	-
17	CLA	3	314	-	1/1/11/20	5/15/93/115	-
17	CLA	4	307	13	1/1/11/20	9/13/91/115	-
17	CLA	B	809	-	1/1/15/20	8/37/115/115	-
17	CLA	A	819	26	1/1/15/20	6/37/115/115	-
17	CLA	A	806	1	1/1/15/20	10/37/115/115	-
17	CLA	5	303	14	1/1/15/20	9/37/115/115	-
25	5X6	4	312	-	-	22/29/67/67	0/2/2/2
20	BCR	L	201	-	-	8/29/63/63	0/2/2/2
17	CLA	F	203	26	1/1/11/20	0/13/91/115	-
25	5X6	4	314	-	-	22/29/67/67	0/2/2/2
17	CLA	5	307	-	1/1/11/20	5/13/91/115	-
17	CLA	B	812	-	1/1/15/20	13/37/115/115	-
17	CLA	B	825	26	1/1/15/20	5/37/115/115	-
17	CLA	A	839	26	1/1/15/20	8/37/115/115	-
17	CLA	B	814	-	1/1/15/20	9/37/115/115	-
22	LMT	L	207	-	-	8/21/61/61	0/2/2/2
21	SF4	C	102	3	-	-	0/6/5/5
17	CLA	5	312	14	1/1/11/20	5/13/91/115	-
17	CLA	B	827	-	1/1/15/20	6/37/115/115	-
17	CLA	B	808	-	1/1/15/20	7/37/115/115	-
17	CLA	B	834	26	1/1/15/20	9/37/115/115	-
17	CLA	5	313	-	1/1/11/20	6/13/91/115	-
17	CLA	A	856	-	1/1/15/20	5/37/115/115	-
17	CLA	A	828	-	1/1/15/20	8/37/115/115	-
17	CLA	A	808	-	1/1/13/20	7/25/103/115	-
20	BCR	B	846	-	-	6/29/63/63	0/2/2/2
17	CLA	B	831	-	-	10/37/115/115	-
17	CLA	2	306	-	1/1/11/20	4/13/91/115	-
20	BCR	A	846	-	-	4/29/63/63	0/2/2/2
17	CLA	B	823	-	1/1/10/20	3/11/89/115	-
17	CLA	A	831	-	1/1/15/20	9/37/115/115	-
17	CLA	B	839	26	1/1/15/20	7/37/115/115	-
17	CLA	B	819	-	1/1/14/20	4/31/109/115	-
17	CLA	B	804	-	1/1/15/20	6/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	CLA	B	826	26	1/1/15/20	13/37/115/115	-
17	CLA	5	311	14	1/1/11/20	7/13/91/115	-
17	CLA	A	854	-	1/1/15/20	3/37/115/115	-
17	CLA	A	818	-	1/1/15/20	9/37/115/115	-
17	CLA	1	301	13	1/1/11/20	7/13/91/115	-
17	CLA	A	834	1	1/1/15/20	12/37/115/115	-
17	CLA	2	304	14	1/1/11/20	7/13/91/115	-
17	CLA	5	306	14	1/1/11/20	6/13/91/115	-
20	BCR	B	803	-	-	6/29/63/63	0/2/2/2
22	LMT	3	301	-	-	10/21/61/61	0/2/2/2
22	LMT	B	850	-	-	7/21/61/61	0/2/2/2
17	CLA	B	820	26	1/1/15/20	10/37/115/115	-
17	CLA	B	822	-	-	4/15/93/115	-
17	CLA	A	829	-	1/1/12/20	5/19/97/115	-
17	CLA	A	836	-	1/1/13/20	3/27/105/115	-
17	CLA	B	830	-	1/1/15/20	9/37/115/115	-
25	5X6	F	205	-	-	15/29/67/67	0/2/2/2
17	CLA	B	806	-	1/1/15/20	11/37/115/115	-
17	CLA	2	311	14	1/1/13/20	10/25/103/115	-
25	5X6	4	313	-	-	22/29/67/67	0/2/2/2
17	CLA	B	824	-	1/1/13/20	4/25/103/115	-
17	CLA	5	309	14	1/1/15/20	11/37/115/115	-
17	CLA	5	314	-	1/1/10/20	3/10/88/115	-
17	CLA	B	807	-	1/1/15/20	11/37/115/115	-
25	5X6	1	314	-	-	22/29/67/67	0/2/2/2
25	5X6	5	315	-	-	20/29/67/67	0/2/2/2
20	BCR	A	857	-	-	4/29/63/63	0/2/2/2
17	CLA	5	302	14	1/1/11/20	7/13/91/115	-
20	BCR	M	101	-	-	9/29/63/63	0/2/2/2
17	CLA	A	811	-	1/1/15/20	4/37/115/115	-
17	CLA	A	816	-	1/1/15/20	7/37/115/115	-
17	CLA	B	857	-	-	4/29/107/115	-
25	5X6	1	313	-	-	17/29/67/67	0/2/2/2
17	CLA	A	824	26	1/1/13/20	4/25/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
20	BCR	I	101	-	-	3/29/63/63	0/2/2/2
17	CLA	O	203	-	1/1/10/20	2/8/86/115	-
20	BCR	B	848	-	-	4/29/63/63	0/2/2/2
21	SF4	C	101	3	-	-	0/6/5/5
17	CLA	2	313	14	1/1/10/20	5/10/88/115	-
24	DGD	B	849	-	-	23/55/95/95	0/2/2/2
17	CLA	A	812	-	1/1/15/20	12/37/115/115	-
17	CLA	A	820	-	-	9/37/115/115	-
22	LMT	A	848	-	-	7/21/61/61	0/2/2/2
17	CLA	1	308	-	1/1/10/20	4/8/86/115	-
17	CLA	A	830	-	1/1/13/20	4/27/105/115	-
20	BCR	B	843	-	-	1/29/63/63	0/2/2/2
25	5X6	2	318	-	-	18/29/67/67	0/2/2/2
21	SF4	A	847	2,1	-	-	0/6/5/5
17	CLA	A	827	-	1/1/15/20	6/37/115/115	-
17	CLA	4	309	-	1/1/10/20	2/8/86/115	-
17	CLA	4	303	13	1/1/11/20	9/17/95/115	-
17	CLA	A	835	-	1/1/12/20	2/21/99/115	-
17	CLA	3	311	15	1/1/12/20	3/22/100/115	-
17	CLA	3	309	-	1/1/11/20	3/13/91/115	-
17	CLA	A	802	17	1/1/13/20	11/25/103/115	-
17	CLA	B	829	-	1/1/15/20	2/37/115/115	-
17	CLA	2	305	14	1/1/15/20	6/37/115/115	-
17	CLA	O	205	-	1/1/11/20	6/13/91/115	-
17	CLA	2	309	-	1/1/11/20	6/13/91/115	-
17	CLA	2	316	-	1/1/11/20	4/13/91/115	-
17	CLA	3	315	-	1/1/12/20	11/21/99/115	-
17	CLA	2	308	14	1/1/11/20	4/13/91/115	-
17	CLA	A	810	-	-	8/24/102/115	-
17	CLA	B	832	-	1/1/15/20	11/37/115/115	-
17	CLA	A	814	26	-	3/13/91/115	-
19	LHG	A	841	-	-	17/53/53/53	-
17	CLA	3	306	-	1/1/11/20	4/13/91/115	-
17	CLA	B	835	26	1/1/11/20	6/13/91/115	-
17	CLA	A	832	-	1/1/15/20	7/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	CLA	A	803	-	1/1/15/20	8/37/115/115	-
17	CLA	A	805	-	1/1/12/20	0/19/97/115	-
17	CLA	B	811	-	1/1/15/20	10/37/115/115	-
17	CLA	B	836	-	1/1/14/20	7/31/109/115	-
25	5X6	1	316	-	-	22/29/67/67	0/2/2/2
20	BCR	B	844	-	-	7/29/63/63	0/2/2/2
17	CLA	B	821	-	1/1/11/20	4/13/91/115	-
22	LMT	B	851	-	-	8/21/61/61	0/2/2/2
25	5X6	3	318	-	-	16/29/67/67	0/2/2/2
17	CLA	B	810	2	1/1/15/20	10/37/115/115	-
17	CLA	4	310	-	1/1/11/20	4/13/91/115	-
25	5X6	2	320	-	-	22/29/67/67	0/2/2/2
17	CLA	1	309	13	1/1/11/20	4/13/91/115	-
17	CLA	B	840	-	1/1/15/20	9/37/115/115	-
17	CLA	A	853	26	1/1/15/20	3/37/115/115	-
17	CLA	A	809	17	1/1/15/20	6/37/115/115	-
17	CLA	5	304	-	1/1/15/20	6/37/115/115	-
25	5X6	5	301	-	-	20/29/67/67	0/2/2/2
25	5X6	5	316	-	-	18/29/67/67	0/2/2/2
25	5X6	3	317	-	-	23/29/67/67	0/2/2/2
17	CLA	L	203	-	1/1/15/20	8/37/115/115	-
17	CLA	K	102	26	-	6/25/103/115	-
17	CLA	A	833	-	1/1/15/20	7/37/115/115	-
17	CLA	A	807	1	-	10/37/115/115	-
25	5X6	2	317	-	-	22/29/67/67	0/2/2/2
17	CLA	3	308	-	1/1/11/20	4/13/91/115	-
17	CLA	A	823	26	1/1/15/20	8/37/115/115	-
17	CLA	2	307	14	-	10/25/103/115	-
17	CLA	A	855	26	1/1/14/20	10/33/111/115	-
20	BCR	A	843	-	-	10/29/63/63	0/2/2/2
20	BCR	L	206	-	-	5/29/63/63	0/2/2/2
25	5X6	5	318	-	-	19/29/67/67	0/2/2/2
17	CLA	A	817	-	1/1/15/20	3/37/115/115	-
17	CLA	4	311	-	1/1/11/20	6/13/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	CLA	4	305	13	1/1/11/20	8/13/91/115	-
19	LHG	J	102	-	-	24/53/53/53	-
17	CLA	2	314	14	1/1/11/20	3/13/91/115	-
17	CLA	A	821	-	1/1/12/20	4/21/99/115	-
17	CLA	L	202	10	1/1/13/20	11/28/106/115	-
17	CLA	A	852	-	1/1/15/20	3/37/115/115	-
25	5X6	5	317	-	-	22/29/67/67	0/2/2/2
17	CLA	4	306	-	1/1/11/20	5/13/91/115	-
17	CLA	B	841	-	1/1/15/20	3/37/115/115	-
17	CLA	1	305	-	1/1/11/20	7/13/91/115	-
17	CLA	1	303	13	-	9/25/103/115	-
18	PQN	A	840	-	-	4/23/43/43	0/2/2/2
22	LMT	F	201	-	-	13/21/61/61	0/2/2/2
25	5X6	3	316	-	-	21/29/67/67	0/2/2/2
20	BCR	A	845	-	-	6/29/63/63	0/2/2/2
17	CLA	1	307	13	1/1/14/20	7/31/109/115	-
17	CLA	4	304	13	1/1/13/20	10/30/108/115	-
20	BCR	B	847	-	-	7/29/63/63	0/2/2/2
17	CLA	F	204	6	1/1/10/20	4/8/86/115	-
19	LHG	A	842	17	-	18/44/44/53	-
17	CLA	A	859	19	1/1/11/20	10/15/93/115	-
17	CLA	4	308	13	1/1/11/20	4/13/91/115	-
20	BCR	A	844	-	-	8/29/63/63	0/2/2/2
17	CLA	B	818	-	1/1/13/20	11/30/108/115	-
17	CLA	2	312	-	1/1/10/20	4/8/86/115	-
25	5X6	2	321	-	-	25/29/67/67	0/2/2/2
17	CLA	5	310	-	1/1/10/20	2/8/86/115	-
17	CLA	A	815	-	-	9/34/112/115	-
17	CLA	B	802	26	1/1/15/20	14/37/115/115	-
17	CLA	A	837	-	1/1/15/20	7/37/115/115	-
17	CLA	3	305	15	1/1/14/20	7/35/113/115	-
17	CLA	O	204	-	1/1/12/20	6/19/97/115	-
20	BCR	J	104	-	-	6/29/63/63	0/2/2/2
17	CLA	B	813	-	1/1/13/20	5/25/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	CLA	A	825	-	1/1/15/20	8/37/115/115	-
17	CLA	B	828	-	1/1/15/20	11/37/115/115	-
17	CLA	3	307	-	1/1/13/20	3/25/103/115	-
16	CL0	A	801	-	3/3/20/25	2/37/135/135	-
17	CLA	B	817	-	-	6/25/103/115	-
17	CLA	2	315	-	1/1/11/20	2/13/91/115	-
17	CLA	A	813	-	1/1/10/20	4/10/88/115	-
17	CLA	B	833	-	1/1/15/20	10/37/115/115	-
17	CLA	B	838	-	1/1/11/20	3/16/94/115	-
17	CLA	1	311	-	1/1/11/20	8/13/91/115	-
20	BCR	O	202	-	-	2/29/63/63	0/2/2/2
17	CLA	1	306	13	1/1/13/20	4/25/103/115	-
17	CLA	2	310	14	1/1/11/20	0/13/91/115	-
17	CLA	B	816	-	1/1/15/20	12/37/115/115	-
17	CLA	L	204	26	1/1/12/20	6/19/97/115	-
25	5X6	1	312	-	-	15/29/67/67	0/2/2/2
17	CLA	3	313	15	1/1/10/20	4/10/88/115	-
17	CLA	B	815	-	1/1/15/20	14/37/115/115	-
20	BCR	L	205	-	-	4/29/63/63	0/2/2/2
17	CLA	1	310	-	1/1/11/20	5/13/91/115	-
17	CLA	5	305	14	1/1/15/20	13/37/115/115	-
17	CLA	K	103	-	1/1/10/20	2/10/88/115	-
17	CLA	A	838	-	1/1/15/20	5/37/115/115	-
17	CLA	B	837	-	1/1/15/20	9/37/115/115	-
25	5X6	J	105	-	-	19/29/67/67	0/2/2/2
17	CLA	A	804	1	1/1/15/20	16/37/115/115	-
17	CLA	A	826	-	1/1/15/20	6/37/115/115	-
25	5X6	1	315	-	-	25/29/67/67	0/2/2/2
17	CLA	1	304	-	1/1/11/20	6/13/91/115	-
22	LMT	B	852	-	-	12/21/61/61	0/2/2/2
17	CLA	B	801	-	1/1/15/20	5/37/115/115	-
17	CLA	1	302	13	1/1/13/20	5/30/108/115	-
25	5X6	2	319	-	-	20/29/67/67	0/2/2/2
20	BCR	B	845	-	-	11/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	CLA	A	822	-	1/1/13/20	5/25/103/115	-
17	CLA	3	312	-	1/1/10/20	2/8/86/115	-
18	PQN	B	842	-	-	3/23/43/43	0/2/2/2
17	CLA	3	310	15	1/1/11/20	6/13/91/115	-
17	CLA	J	103	8	1/1/10/20	4/10/88/115	-
17	CLA	5	308	14	1/1/15/20	12/37/115/115	-
20	BCR	K	104	-	-	7/29/63/63	0/2/2/2

All (3088) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	2	319	5X6	C18-C17	9.30	1.57	1.35
25	4	313	5X6	C18-C17	9.15	1.57	1.35
25	1	313	5X6	C18-C17	9.09	1.56	1.35
25	5	318	5X6	C18-C17	9.01	1.56	1.35
25	2	320	5X6	C18-C17	9.00	1.56	1.35
25	2	319	5X6	C14-C13	9.00	1.56	1.35
25	5	317	5X6	C14-C13	8.95	1.56	1.35
25	2	317	5X6	C18-C17	8.95	1.56	1.35
25	5	301	5X6	C18-C17	8.94	1.56	1.35
25	1	312	5X6	C18-C17	8.93	1.56	1.35
25	2	319	5X6	C21-C22	8.93	1.56	1.35
25	3	316	5X6	C18-C17	8.92	1.56	1.35
25	4	313	5X6	C25-C26	8.90	1.56	1.35
25	5	317	5X6	C18-C17	8.89	1.56	1.35
25	4	313	5X6	C21-C22	8.89	1.56	1.35
25	2	318	5X6	C21-C22	8.87	1.56	1.35
25	4	314	5X6	C18-C17	8.87	1.56	1.35
25	1	316	5X6	C18-C17	8.86	1.56	1.35
25	4	314	5X6	C21-C22	8.86	1.56	1.35
25	3	318	5X6	C18-C17	8.84	1.56	1.35
25	2	317	5X6	C21-C22	8.82	1.56	1.35
25	5	301	5X6	C14-C13	8.82	1.56	1.35
25	1	313	5X6	C21-C22	8.82	1.56	1.35
25	4	312	5X6	C14-C13	8.81	1.56	1.35
25	3	318	5X6	C21-C22	8.80	1.56	1.35
25	3	317	5X6	C21-C22	8.80	1.56	1.35
25	1	316	5X6	C14-C13	8.80	1.56	1.35
25	5	317	5X6	C21-C22	8.80	1.56	1.35
25	1	315	5X6	C18-C17	8.80	1.56	1.35
25	4	314	5X6	C14-C13	8.79	1.56	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	1	314	5X6	C18-C17	8.79	1.56	1.35
25	4	313	5X6	C14-C13	8.78	1.56	1.35
25	5	301	5X6	C21-C22	8.78	1.56	1.35
25	1	312	5X6	C14-C13	8.77	1.56	1.35
25	1	315	5X6	C21-C22	8.75	1.56	1.35
25	3	316	5X6	C21-C22	8.74	1.56	1.35
25	3	318	5X6	C14-C13	8.74	1.56	1.35
25	4	312	5X6	C21-C22	8.74	1.56	1.35
25	2	317	5X6	C14-C13	8.74	1.56	1.35
25	3	317	5X6	C18-C17	8.73	1.56	1.35
25	2	318	5X6	C18-C17	8.72	1.56	1.35
25	1	315	5X6	C14-C13	8.72	1.56	1.35
25	1	313	5X6	C14-C13	8.72	1.56	1.35
25	4	312	5X6	C18-C17	8.72	1.56	1.35
25	5	317	5X6	C25-C26	8.71	1.55	1.35
25	3	316	5X6	C14-C13	8.70	1.55	1.35
25	2	317	5X6	C25-C26	8.68	1.55	1.35
25	3	317	5X6	C14-C13	8.68	1.55	1.35
25	1	312	5X6	C21-C22	8.66	1.55	1.35
25	2	321	5X6	C21-C22	8.64	1.55	1.35
25	4	313	5X6	C30-C29	8.64	1.49	1.34
25	2	320	5X6	C21-C22	8.63	1.55	1.35
25	5	315	5X6	C18-C17	8.63	1.55	1.35
25	2	320	5X6	C25-C26	8.60	1.55	1.35
25	5	315	5X6	C25-C26	8.60	1.55	1.35
25	5	318	5X6	C14-C13	8.58	1.55	1.35
25	4	314	5X6	C25-C26	8.58	1.55	1.35
25	2	321	5X6	C14-C13	8.57	1.55	1.35
25	2	319	5X6	C25-C26	8.56	1.55	1.35
25	3	316	5X6	C25-C26	8.56	1.55	1.35
25	2	321	5X6	C18-C17	8.55	1.55	1.35
25	5	301	5X6	C25-C26	8.54	1.55	1.35
25	1	314	5X6	C25-C26	8.53	1.55	1.35
25	1	316	5X6	C21-C22	8.53	1.55	1.35
25	1	315	5X6	C25-C26	8.51	1.55	1.35
25	5	315	5X6	C14-C13	8.50	1.55	1.35
25	1	312	5X6	C25-C26	8.49	1.55	1.35
25	5	315	5X6	C21-C22	8.49	1.55	1.35
25	2	321	5X6	C25-C26	8.49	1.55	1.35
25	1	316	5X6	C25-C26	8.48	1.55	1.35
25	5	318	5X6	C21-C22	8.46	1.55	1.35
25	3	317	5X6	C25-C26	8.45	1.55	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	1	314	5X6	C21-C22	8.42	1.55	1.35
25	3	318	5X6	C30-C29	8.41	1.48	1.34
25	4	312	5X6	C25-C26	8.41	1.55	1.35
25	3	318	5X6	C25-C26	8.39	1.55	1.35
25	5	318	5X6	C25-C26	8.38	1.55	1.35
25	4	312	5X6	C30-C29	8.38	1.48	1.34
25	2	318	5X6	C14-C13	8.37	1.55	1.35
25	3	317	5X6	C30-C29	8.36	1.48	1.34
25	2	320	5X6	C14-C13	8.36	1.55	1.35
25	2	317	5X6	C24-C23	8.35	1.56	1.34
25	1	313	5X6	C25-C26	8.33	1.55	1.35
25	2	319	5X6	C15-C16	8.32	1.56	1.34
25	5	316	5X6	C18-C17	8.30	1.55	1.35
25	4	313	5X6	C24-C23	8.29	1.56	1.34
25	2	320	5X6	C02-C03	8.27	1.48	1.34
25	3	316	5X6	C24-C23	8.27	1.56	1.34
25	5	316	5X6	C21-C22	8.27	1.54	1.35
25	5	317	5X6	C24-C23	8.26	1.56	1.34
25	5	316	5X6	C30-C29	8.24	1.48	1.34
25	4	314	5X6	C24-C23	8.23	1.56	1.34
25	1	316	5X6	C30-C29	8.22	1.48	1.34
25	2	321	5X6	C24-C23	8.19	1.56	1.34
25	2	320	5X6	C24-C23	8.19	1.56	1.34
25	3	316	5X6	C30-C29	8.19	1.48	1.34
25	1	315	5X6	C24-C23	8.18	1.56	1.34
25	3	316	5X6	C15-C16	8.18	1.56	1.34
25	2	318	5X6	C25-C26	8.17	1.54	1.35
25	1	314	5X6	C14-C13	8.16	1.54	1.35
25	4	313	5X6	C15-C16	8.16	1.56	1.34
25	3	318	5X6	C24-C23	8.14	1.55	1.34
25	2	317	5X6	C30-C29	8.13	1.48	1.34
25	4	312	5X6	C24-C23	8.12	1.55	1.34
25	1	312	5X6	C30-C29	8.12	1.48	1.34
25	1	315	5X6	C30-C29	8.12	1.48	1.34
25	5	315	5X6	C24-C23	8.11	1.55	1.34
25	3	317	5X6	C24-C23	8.11	1.55	1.34
25	2	317	5X6	C15-C16	8.10	1.55	1.34
25	1	312	5X6	C15-C16	8.09	1.55	1.34
25	1	315	5X6	C15-C16	8.09	1.55	1.34
25	2	319	5X6	C02-C03	8.08	1.48	1.34
25	2	319	5X6	C24-C23	8.08	1.55	1.34
25	5	316	5X6	C14-C13	8.08	1.54	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	J	105	5X6	C14-C13	8.07	1.54	1.35
25	1	312	5X6	C24-C23	8.07	1.55	1.34
25	2	320	5X6	C30-C29	8.07	1.48	1.34
25	4	314	5X6	C30-C29	8.06	1.48	1.34
25	5	315	5X6	C30-C29	8.05	1.48	1.34
25	1	314	5X6	C24-C23	8.04	1.55	1.34
25	5	317	5X6	C30-C29	8.04	1.48	1.34
25	5	317	5X6	C15-C16	8.04	1.55	1.34
25	1	316	5X6	C15-C16	8.03	1.55	1.34
25	3	317	5X6	C15-C16	8.02	1.55	1.34
25	1	313	5X6	C24-C23	8.00	1.55	1.34
25	5	318	5X6	C24-C23	8.00	1.55	1.34
25	2	318	5X6	C30-C29	7.99	1.47	1.34
25	4	312	5X6	C15-C16	7.99	1.55	1.34
25	1	313	5X6	C30-C29	7.99	1.47	1.34
25	3	318	5X6	C15-C16	7.98	1.55	1.34
25	2	319	5X6	C30-C29	7.97	1.47	1.34
25	5	301	5X6	C24-C23	7.96	1.55	1.34
25	5	301	5X6	C15-C16	7.95	1.55	1.34
25	4	314	5X6	C15-C16	7.95	1.55	1.34
25	1	313	5X6	C15-C16	7.93	1.55	1.34
25	5	318	5X6	C30-C29	7.93	1.47	1.34
25	5	316	5X6	C25-C26	7.92	1.54	1.35
25	1	314	5X6	C30-C29	7.89	1.47	1.34
25	2	321	5X6	C15-C16	7.87	1.55	1.34
25	5	315	5X6	C15-C16	7.85	1.55	1.34
25	F	205	5X6	C21-C22	7.85	1.54	1.35
25	2	320	5X6	C15-C16	7.83	1.55	1.34
25	1	316	5X6	C24-C23	7.82	1.55	1.34
25	5	318	5X6	C15-C16	7.82	1.55	1.34
25	5	301	5X6	C30-C29	7.81	1.47	1.34
25	2	321	5X6	C30-C29	7.80	1.47	1.34
25	2	319	5X6	C27-C28	7.79	1.56	1.33
25	5	301	5X6	C02-C03	7.78	1.47	1.34
25	2	318	5X6	C15-C16	7.78	1.55	1.34
25	2	318	5X6	C02-C03	7.78	1.47	1.34
25	2	318	5X6	C24-C23	7.76	1.54	1.34
25	5	316	5X6	C02-C03	7.76	1.47	1.34
25	5	316	5X6	C24-C23	7.76	1.54	1.34
25	5	317	5X6	C02-C03	7.75	1.47	1.34
25	1	314	5X6	C27-C28	7.74	1.56	1.33
25	3	318	5X6	C27-C28	7.74	1.56	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	1	315	5X6	C27-C28	7.73	1.56	1.33
25	4	314	5X6	C27-C28	7.73	1.56	1.33
25	J	105	5X6	C21-C22	7.72	1.53	1.35
25	1	312	5X6	C27-C28	7.72	1.56	1.33
25	2	317	5X6	C27-C28	7.71	1.56	1.33
25	3	316	5X6	C02-C03	7.71	1.47	1.34
25	4	312	5X6	C12-C11	7.70	1.56	1.33
25	4	313	5X6	C27-C28	7.69	1.56	1.33
25	5	317	5X6	C27-C28	7.68	1.56	1.33
25	2	319	5X6	C12-C11	7.68	1.56	1.33
25	1	313	5X6	C12-C11	7.68	1.56	1.33
25	J	105	5X6	C30-C29	7.68	1.47	1.34
25	5	318	5X6	C02-C03	7.68	1.47	1.34
25	2	321	5X6	C27-C28	7.68	1.56	1.33
25	3	318	5X6	C02-C03	7.67	1.47	1.34
25	4	313	5X6	C02-C03	7.67	1.47	1.34
25	1	316	5X6	C27-C28	7.67	1.55	1.33
25	1	314	5X6	C15-C16	7.65	1.54	1.34
25	3	317	5X6	C02-C03	7.64	1.47	1.34
25	J	105	5X6	C18-C17	7.63	1.53	1.35
25	2	320	5X6	C27-C28	7.60	1.55	1.33
25	2	319	5X6	C20-C19	7.60	1.57	1.36
25	2	317	5X6	C02-C03	7.60	1.47	1.34
25	3	316	5X6	C27-C28	7.60	1.55	1.33
25	4	312	5X6	C27-C28	7.60	1.55	1.33
25	1	315	5X6	C02-C03	7.59	1.47	1.34
25	1	312	5X6	C02-C03	7.59	1.47	1.34
25	5	301	5X6	C12-C11	7.58	1.55	1.33
25	F	205	5X6	C18-C17	7.58	1.53	1.35
25	4	314	5X6	C02-C03	7.57	1.47	1.34
25	5	301	5X6	C27-C28	7.55	1.55	1.33
25	3	317	5X6	C27-C28	7.54	1.55	1.33
25	5	317	5X6	C12-C11	7.53	1.55	1.33
25	2	321	5X6	C12-C11	7.52	1.55	1.33
25	1	314	5X6	C02-C03	7.51	1.47	1.34
25	2	317	5X6	C20-C19	7.50	1.56	1.36
25	5	318	5X6	C27-C28	7.49	1.55	1.33
25	5	315	5X6	C27-C28	7.49	1.55	1.33
25	F	205	5X6	C02-C03	7.49	1.47	1.34
25	1	312	5X6	C12-C11	7.47	1.55	1.33
25	F	205	5X6	C14-C13	7.45	1.53	1.35
25	1	316	5X6	C02-C03	7.45	1.47	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	1	315	5X6	C12-C11	7.45	1.55	1.33
25	2	320	5X6	C12-C11	7.45	1.55	1.33
25	4	314	5X6	C12-C11	7.44	1.55	1.33
25	3	316	5X6	C12-C11	7.44	1.55	1.33
25	J	105	5X6	C25-C26	7.44	1.53	1.35
18	A	840	PQN	C3-C2	7.44	1.48	1.35
25	5	316	5X6	C15-C16	7.44	1.54	1.34
25	J	105	5X6	C24-C23	7.43	1.54	1.34
25	3	318	5X6	C12-C11	7.42	1.55	1.33
25	5	315	5X6	C02-C03	7.41	1.46	1.34
25	3	316	5X6	C20-C19	7.40	1.56	1.36
25	1	314	5X6	C12-C11	7.40	1.55	1.33
25	2	317	5X6	C12-C11	7.38	1.55	1.33
25	5	316	5X6	C27-C28	7.37	1.55	1.33
25	4	314	5X6	C20-C19	7.37	1.56	1.36
25	F	205	5X6	C25-C26	7.37	1.52	1.35
25	1	316	5X6	C12-C11	7.35	1.55	1.33
25	2	318	5X6	C27-C28	7.35	1.55	1.33
25	4	312	5X6	C20-C19	7.34	1.56	1.36
25	2	321	5X6	C02-C03	7.29	1.46	1.34
25	1	316	5X6	C20-C19	7.29	1.56	1.36
25	5	301	5X6	C20-C19	7.29	1.56	1.36
25	5	317	5X6	C20-C19	7.29	1.56	1.36
25	3	317	5X6	C12-C11	7.28	1.54	1.33
25	1	313	5X6	C20-C19	7.28	1.56	1.36
25	2	318	5X6	C12-C11	7.27	1.54	1.33
25	3	318	5X6	C20-C19	7.27	1.56	1.36
25	4	313	5X6	C20-C19	7.27	1.56	1.36
25	1	313	5X6	C02-C03	7.25	1.46	1.34
25	4	313	5X6	C12-C11	7.25	1.54	1.33
25	1	315	5X6	C20-C19	7.24	1.56	1.36
25	4	312	5X6	C02-C03	7.23	1.46	1.34
25	1	312	5X6	C20-C19	7.20	1.55	1.36
25	J	105	5X6	C27-C28	7.20	1.54	1.33
25	5	315	5X6	C20-C19	7.19	1.55	1.36
25	2	320	5X6	C20-C19	7.18	1.55	1.36
25	1	313	5X6	C27-C28	7.14	1.54	1.33
25	5	318	5X6	C20-C19	7.14	1.55	1.36
25	3	317	5X6	C20-C19	7.12	1.55	1.36
25	2	321	5X6	C20-C19	7.11	1.55	1.36
25	5	315	5X6	C12-C11	7.10	1.54	1.33
25	5	318	5X6	C12-C11	7.08	1.54	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	5	316	5X6	C12-C11	7.08	1.54	1.33
25	1	314	5X6	C20-C19	7.04	1.55	1.36
25	F	205	5X6	C27-C28	6.99	1.53	1.33
18	B	842	PQN	C3-C2	6.93	1.47	1.35
25	F	205	5X6	C15-C16	6.92	1.52	1.34
25	5	316	5X6	C20-C19	6.88	1.55	1.36
17	A	823	CLA	C3B-C2B	6.86	1.49	1.40
25	2	318	5X6	C20-C19	6.86	1.55	1.36
25	F	205	5X6	C24-C23	6.80	1.52	1.34
17	B	823	CLA	C3B-C2B	6.80	1.49	1.40
25	J	105	5X6	C15-C16	6.74	1.52	1.34
17	A	830	CLA	C3B-C2B	6.69	1.49	1.40
17	B	819	CLA	C3B-C2B	6.69	1.49	1.40
17	5	309	CLA	C3B-C2B	6.63	1.49	1.40
25	J	105	5X6	C12-C11	6.59	1.52	1.33
25	F	205	5X6	C30-C29	6.58	1.45	1.34
17	2	306	CLA	C3B-C2B	6.55	1.49	1.40
25	F	205	5X6	C12-C11	6.51	1.52	1.33
17	B	815	CLA	C3B-C2B	6.47	1.49	1.40
17	A	852	CLA	C3B-C2B	6.46	1.49	1.40
17	A	824	CLA	C3B-C2B	6.46	1.49	1.40
17	5	308	CLA	C3B-C2B	6.44	1.49	1.40
17	1	309	CLA	C3B-C2B	6.42	1.49	1.40
25	F	205	5X6	C20-C19	6.41	1.53	1.36
17	A	807	CLA	C3B-C2B	6.38	1.49	1.40
17	L	203	CLA	C3B-C2B	6.34	1.49	1.40
17	A	828	CLA	C3B-C2B	6.33	1.49	1.40
17	5	303	CLA	C3B-C2B	6.33	1.48	1.40
17	A	812	CLA	C3B-C2B	6.32	1.48	1.40
17	1	305	CLA	C3B-C2B	6.28	1.48	1.40
17	4	310	CLA	C3B-C2B	6.28	1.48	1.40
17	B	826	CLA	C3B-C2B	6.28	1.48	1.40
25	J	105	5X6	C20-C19	6.25	1.53	1.36
17	A	813	CLA	C3B-C2B	6.25	1.48	1.40
17	2	308	CLA	C3B-C2B	6.25	1.48	1.40
17	A	811	CLA	C3B-C2B	6.24	1.48	1.40
17	O	203	CLA	C3B-C2B	6.23	1.48	1.40
17	3	313	CLA	C3B-C2B	6.22	1.48	1.40
17	1	302	CLA	C3B-C2B	6.21	1.48	1.40
17	A	836	CLA	C3B-C2B	6.18	1.48	1.40
17	1	308	CLA	C3B-C2B	6.18	1.48	1.40
17	5	306	CLA	C3B-C2B	6.16	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	3	314	CLA	C3B-C2B	6.16	1.48	1.40
17	5	311	CLA	C3B-C2B	6.16	1.48	1.40
17	L	202	CLA	C3B-C2B	6.16	1.48	1.40
17	3	308	CLA	C3B-C2B	6.16	1.48	1.40
17	A	817	CLA	C3B-C2B	6.15	1.48	1.40
17	B	814	CLA	C3B-C2B	6.14	1.48	1.40
17	B	829	CLA	C3B-C2B	6.13	1.48	1.40
17	A	835	CLA	C3B-C2B	6.13	1.48	1.40
17	A	803	CLA	C3B-C2B	6.13	1.48	1.40
17	A	818	CLA	C3B-C2B	6.12	1.48	1.40
17	4	305	CLA	C3B-C2B	6.12	1.48	1.40
17	5	313	CLA	C3B-C2B	6.12	1.48	1.40
17	B	812	CLA	C3B-C2B	6.12	1.48	1.40
17	4	311	CLA	C3B-C2B	6.12	1.48	1.40
17	4	306	CLA	C3B-C2B	6.11	1.48	1.40
17	1	311	CLA	C3B-C2B	6.11	1.48	1.40
17	A	820	CLA	C3B-C2B	6.10	1.48	1.40
17	A	805	CLA	C3B-C2B	6.10	1.48	1.40
17	5	302	CLA	C3B-C2B	6.10	1.48	1.40
17	3	312	CLA	C3B-C2B	6.09	1.48	1.40
17	5	310	CLA	C3B-C2B	6.09	1.48	1.40
17	A	856	CLA	C3B-C2B	6.09	1.48	1.40
17	3	306	CLA	C3B-C2B	6.09	1.48	1.40
17	2	313	CLA	C3B-C2B	6.09	1.48	1.40
17	2	312	CLA	C3B-C2B	6.08	1.48	1.40
17	3	315	CLA	C3B-C2B	6.08	1.48	1.40
17	4	309	CLA	C3B-C2B	6.08	1.48	1.40
17	A	825	CLA	C3B-C2B	6.08	1.48	1.40
17	4	307	CLA	C3B-C2B	6.07	1.48	1.40
17	A	810	CLA	C3B-C2B	6.06	1.48	1.40
25	J	105	5X6	C02-C03	6.05	1.44	1.34
17	O	205	CLA	C3B-C2B	6.05	1.48	1.40
17	1	306	CLA	C3B-C2B	6.05	1.48	1.40
17	K	102	CLA	C3B-C2B	6.04	1.48	1.40
17	3	311	CLA	CHC-C1C	6.04	1.49	1.34
17	B	830	CLA	C3B-C2B	6.03	1.48	1.40
17	B	841	CLA	C3B-C2B	6.03	1.48	1.40
17	A	834	CLA	C3B-C2B	6.03	1.48	1.40
17	2	305	CLA	CHC-C1C	6.03	1.49	1.34
17	B	821	CLA	C3B-C2B	6.01	1.48	1.40
17	A	838	CLA	C3B-C2B	6.01	1.48	1.40
17	4	308	CLA	C3B-C2B	6.01	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	2	316	CLA	C3B-C2B	5.99	1.48	1.40
17	4	303	CLA	C3B-C2B	5.97	1.48	1.40
17	2	315	CLA	C3B-C2B	5.97	1.48	1.40
17	A	826	CLA	C3B-C2B	5.97	1.48	1.40
17	K	103	CLA	C3B-C2B	5.96	1.48	1.40
17	1	307	CLA	C3B-C2B	5.95	1.48	1.40
17	5	312	CLA	C3B-C2B	5.95	1.48	1.40
17	1	304	CLA	CHC-C1C	5.95	1.49	1.34
17	5	305	CLA	CHC-C1C	5.94	1.49	1.34
17	4	304	CLA	CHC-C1C	5.93	1.49	1.34
17	2	309	CLA	C3B-C2B	5.93	1.48	1.40
17	1	301	CLA	C3B-C2B	5.93	1.48	1.40
17	B	805	CLA	C3B-C2B	5.93	1.48	1.40
17	B	811	CLA	C3B-C2B	5.93	1.48	1.40
17	2	311	CLA	C3B-C2B	5.91	1.48	1.40
17	2	310	CLA	CHC-C1C	5.89	1.49	1.34
17	B	833	CLA	C3B-C2B	5.89	1.48	1.40
17	2	311	CLA	CHC-C1C	5.88	1.49	1.34
17	3	311	CLA	C3B-C2B	5.87	1.48	1.40
17	1	307	CLA	CHC-C1C	5.87	1.49	1.34
17	2	314	CLA	C3B-C2B	5.87	1.48	1.40
17	B	828	CLA	C3B-C2B	5.85	1.48	1.40
17	B	827	CLA	C3B-C2B	5.85	1.48	1.40
17	B	816	CLA	C3B-C2B	5.84	1.48	1.40
17	1	310	CLA	C3B-C2B	5.84	1.48	1.40
17	O	204	CLA	C3B-C2B	5.83	1.48	1.40
17	B	822	CLA	C3B-C2B	5.83	1.48	1.40
17	B	824	CLA	CHC-C1C	5.83	1.48	1.34
17	5	314	CLA	C3B-C2B	5.81	1.48	1.40
17	3	307	CLA	CHC-C1C	5.81	1.48	1.34
17	2	314	CLA	CHC-C1C	5.81	1.48	1.34
17	B	806	CLA	C3B-C2B	5.80	1.48	1.40
17	A	822	CLA	C3B-C2B	5.80	1.48	1.40
17	3	305	CLA	CHC-C1C	5.80	1.48	1.34
17	5	307	CLA	C3B-C2B	5.79	1.48	1.40
17	3	309	CLA	C3B-C2B	5.79	1.48	1.40
17	4	308	CLA	CHC-C1C	5.78	1.48	1.34
17	1	303	CLA	CHC-C1C	5.78	1.48	1.34
17	B	813	CLA	C3B-C2B	5.78	1.48	1.40
17	B	838	CLA	C3B-C2B	5.78	1.48	1.40
17	B	825	CLA	C3B-C2B	5.76	1.48	1.40
17	B	837	CLA	C3B-C2B	5.75	1.48	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	1	310	CLA	CHC-C1C	5.75	1.48	1.34
17	2	307	CLA	CHC-C1C	5.73	1.48	1.34
17	4	306	CLA	CHC-C1C	5.73	1.48	1.34
17	4	304	CLA	C3B-C2B	5.72	1.48	1.40
17	2	313	CLA	CHC-C1C	5.71	1.48	1.34
16	A	801	CL0	C3B-C2B	5.70	1.48	1.40
17	1	304	CLA	C3B-C2B	5.69	1.48	1.40
17	2	305	CLA	C3B-C2B	5.69	1.48	1.40
17	3	305	CLA	C3B-C2B	5.68	1.48	1.40
17	B	807	CLA	C3B-C2B	5.67	1.48	1.40
17	3	309	CLA	CHC-C1C	5.66	1.48	1.34
17	5	308	CLA	CHC-C1C	5.66	1.48	1.34
17	O	204	CLA	CHC-C1C	5.65	1.48	1.34
17	5	312	CLA	CHC-C1C	5.65	1.48	1.34
17	5	314	CLA	CHC-C1C	5.65	1.48	1.34
17	A	859	CLA	C3B-C2B	5.64	1.48	1.40
17	4	309	CLA	CHC-C1C	5.63	1.48	1.34
17	2	304	CLA	C3B-C2B	5.63	1.48	1.40
17	B	822	CLA	CHC-C1C	5.63	1.48	1.34
17	4	307	CLA	CHC-C1C	5.62	1.48	1.34
17	1	305	CLA	CHC-C1C	5.62	1.48	1.34
17	3	310	CLA	CHC-C1C	5.62	1.48	1.34
17	5	310	CLA	CHC-C1C	5.62	1.48	1.34
17	O	205	CLA	CHC-C1C	5.61	1.48	1.34
17	B	831	CLA	C3B-C2B	5.61	1.48	1.40
17	3	314	CLA	CHC-C1C	5.61	1.48	1.34
17	A	859	CLA	C3C-C2C	5.61	1.48	1.36
17	3	312	CLA	CHC-C1C	5.60	1.48	1.34
17	5	302	CLA	CHC-C1C	5.60	1.48	1.34
17	1	308	CLA	CHC-C1C	5.60	1.48	1.34
17	4	310	CLA	CHC-C1C	5.60	1.48	1.34
17	3	315	CLA	CHC-C1C	5.59	1.48	1.34
17	F	203	CLA	C3B-C2B	5.59	1.47	1.40
17	2	316	CLA	CHC-C1C	5.59	1.48	1.34
17	B	810	CLA	C3B-C2B	5.59	1.47	1.40
17	A	854	CLA	C3B-C2B	5.59	1.47	1.40
17	2	310	CLA	C3B-C2B	5.58	1.47	1.40
17	A	821	CLA	C3B-C2B	5.58	1.47	1.40
17	2	315	CLA	CHC-C1C	5.57	1.48	1.34
17	A	806	CLA	C3B-C2B	5.57	1.47	1.40
17	4	311	CLA	CHC-C1C	5.56	1.48	1.34
17	A	819	CLA	C3B-C2B	5.56	1.47	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	A	839	CLA	C3B-C2B	5.55	1.47	1.40
17	4	305	CLA	CHC-C1C	5.55	1.48	1.34
17	B	836	CLA	C3B-C2B	5.54	1.47	1.40
17	B	832	CLA	C3B-C2B	5.54	1.47	1.40
17	3	313	CLA	CHC-C1C	5.54	1.48	1.34
17	O	203	CLA	CHC-C1C	5.54	1.48	1.34
17	1	305	CLA	C3C-C2C	5.54	1.48	1.36
25	2	319	5X6	C27-C26	5.53	1.57	1.46
17	2	312	CLA	CHC-C1C	5.53	1.48	1.34
17	3	310	CLA	C3B-C2B	5.52	1.47	1.40
17	1	309	CLA	CHC-C1C	5.51	1.48	1.34
17	L	204	CLA	CHC-C1C	5.51	1.48	1.34
17	B	801	CLA	C3B-C2B	5.47	1.47	1.40
17	5	313	CLA	CHC-C1C	5.47	1.48	1.34
17	5	303	CLA	CHC-C1C	5.47	1.48	1.34
17	1	311	CLA	CHC-C1C	5.46	1.48	1.34
17	5	306	CLA	CHC-C1C	5.46	1.48	1.34
17	A	827	CLA	C3B-C2B	5.46	1.47	1.40
17	5	311	CLA	CHC-C1C	5.46	1.48	1.34
17	2	313	CLA	C3C-C2C	5.45	1.48	1.36
17	5	305	CLA	C3B-C2B	5.45	1.47	1.40
17	F	204	CLA	C3B-C2B	5.44	1.47	1.40
17	B	823	CLA	CHC-C1C	5.43	1.47	1.34
17	B	841	CLA	CHC-C1C	5.43	1.47	1.34
17	J	103	CLA	C3B-C2B	5.43	1.47	1.40
17	1	308	CLA	C3C-C2C	5.42	1.48	1.36
17	5	309	CLA	CHC-C1C	5.42	1.47	1.34
17	3	307	CLA	C3B-C2B	5.41	1.47	1.40
17	K	102	CLA	CHC-C1C	5.40	1.47	1.34
17	2	304	CLA	CHC-C1C	5.38	1.47	1.34
17	1	303	CLA	C3C-C2C	5.38	1.48	1.36
17	1	306	CLA	CHC-C1C	5.38	1.47	1.34
17	1	303	CLA	C3B-C2B	5.37	1.47	1.40
17	4	310	CLA	O2D-CGD	5.37	1.46	1.33
17	4	303	CLA	CHC-C1C	5.37	1.47	1.34
17	1	304	CLA	O2D-CGD	5.37	1.46	1.33
17	B	820	CLA	CHC-C1C	5.37	1.47	1.34
17	A	832	CLA	C3B-C2B	5.37	1.47	1.40
17	2	311	CLA	O2D-CGD	5.36	1.46	1.33
17	3	306	CLA	CHC-C1C	5.36	1.47	1.34
17	4	305	CLA	O2D-CGD	5.36	1.46	1.33
17	3	308	CLA	CHC-C1C	5.36	1.47	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	A	804	CLA	C3B-C2B	5.36	1.47	1.40
17	3	315	CLA	O2D-CGD	5.36	1.46	1.33
17	O	205	CLA	C3C-C2C	5.34	1.48	1.36
17	5	311	CLA	C3C-C2C	5.34	1.48	1.36
17	1	301	CLA	CHC-C1C	5.34	1.47	1.34
17	A	833	CLA	C3C-C2C	5.34	1.48	1.36
17	1	310	CLA	C3C-C2C	5.33	1.48	1.36
17	2	304	CLA	O2D-CGD	5.33	1.46	1.33
17	B	839	CLA	C3B-C2B	5.32	1.47	1.40
17	2	310	CLA	C3C-C2C	5.32	1.48	1.36
17	5	303	CLA	O2D-CGD	5.32	1.46	1.33
17	3	307	CLA	O2D-CGD	5.31	1.46	1.33
17	4	310	CLA	C3C-C2C	5.31	1.48	1.36
17	3	309	CLA	O2D-CGD	5.31	1.46	1.33
17	2	307	CLA	C3B-C2B	5.31	1.47	1.40
17	A	814	CLA	CHC-C1C	5.31	1.47	1.34
17	5	302	CLA	C3C-C2C	5.31	1.48	1.36
17	A	859	CLA	CHC-C1C	5.30	1.47	1.34
17	5	309	CLA	O2D-CGD	5.30	1.46	1.33
17	4	304	CLA	C3C-C2C	5.29	1.48	1.36
17	B	834	CLA	C3C-C2C	5.29	1.48	1.36
17	1	311	CLA	O2D-CGD	5.28	1.46	1.33
17	B	804	CLA	C3B-C2B	5.28	1.47	1.40
17	1	305	CLA	O2D-CGD	5.28	1.46	1.33
17	2	308	CLA	C3C-C2C	5.28	1.48	1.36
17	3	313	CLA	O2D-CGD	5.27	1.46	1.33
17	5	305	CLA	O2D-CGD	5.27	1.46	1.33
17	3	313	CLA	C3C-C2C	5.27	1.48	1.36
17	2	308	CLA	CHC-C1C	5.27	1.47	1.34
17	A	812	CLA	CHC-C1C	5.27	1.47	1.34
17	4	304	CLA	O2D-CGD	5.27	1.46	1.33
17	1	309	CLA	O2D-CGD	5.27	1.46	1.33
17	B	823	CLA	C3C-C2C	5.27	1.48	1.36
25	2	317	5X6	C27-C26	5.27	1.57	1.46
17	2	306	CLA	CHC-C1C	5.27	1.47	1.34
17	O	203	CLA	C3C-C2C	5.26	1.48	1.36
17	K	103	CLA	O2D-CGD	5.26	1.46	1.33
17	A	821	CLA	CHC-C1C	5.26	1.47	1.34
17	B	820	CLA	C3C-C2C	5.25	1.48	1.36
17	4	306	CLA	C3C-C2C	5.25	1.48	1.36
17	1	307	CLA	O2D-CGD	5.25	1.46	1.33
17	2	305	CLA	O2D-CGD	5.25	1.46	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	4	303	CLA	C3C-C2C	5.25	1.48	1.36
17	5	311	CLA	O2D-CGD	5.25	1.46	1.33
17	A	813	CLA	C3C-C2C	5.24	1.48	1.36
17	2	306	CLA	O2D-CGD	5.24	1.46	1.33
17	5	314	CLA	C3C-C2C	5.24	1.48	1.36
17	4	308	CLA	O2D-CGD	5.23	1.46	1.33
17	1	308	CLA	O2D-CGD	5.23	1.46	1.33
17	3	314	CLA	O2D-CGD	5.23	1.46	1.33
17	3	311	CLA	C3C-C2C	5.23	1.48	1.36
17	3	306	CLA	O2D-CGD	5.23	1.46	1.33
17	B	835	CLA	CHC-C1C	5.23	1.47	1.34
17	1	311	CLA	C3C-C2C	5.23	1.48	1.36
17	B	812	CLA	O2D-CGD	5.23	1.46	1.33
17	1	301	CLA	C3C-C2C	5.23	1.48	1.36
17	5	306	CLA	O2D-CGD	5.23	1.46	1.33
17	B	805	CLA	CHC-C1C	5.23	1.47	1.34
17	2	313	CLA	O2D-CGD	5.22	1.46	1.33
17	4	311	CLA	O2D-CGD	5.22	1.46	1.33
17	4	306	CLA	O2D-CGD	5.22	1.46	1.33
17	B	821	CLA	CHC-C1C	5.22	1.47	1.34
17	5	302	CLA	O2D-CGD	5.21	1.46	1.33
17	3	312	CLA	O2D-CGD	5.21	1.46	1.33
17	4	309	CLA	O2D-CGD	5.21	1.46	1.33
17	O	203	CLA	O2D-CGD	5.21	1.46	1.33
17	B	839	CLA	CHC-C1C	5.21	1.47	1.34
17	A	816	CLA	C3B-C2B	5.21	1.47	1.40
17	L	204	CLA	C3C-C2C	5.21	1.48	1.36
17	3	315	CLA	C3C-C2C	5.20	1.48	1.36
17	A	821	CLA	C3C-C2C	5.20	1.48	1.36
17	A	807	CLA	CHC-C1C	5.20	1.47	1.34
17	O	204	CLA	C3C-C2C	5.20	1.48	1.36
17	2	315	CLA	O2D-CGD	5.20	1.46	1.33
17	4	303	CLA	O2D-CGD	5.19	1.46	1.33
17	2	312	CLA	O2D-CGD	5.19	1.46	1.33
17	L	202	CLA	O2D-CGD	5.19	1.46	1.33
17	5	310	CLA	O2D-CGD	5.19	1.46	1.33
17	2	309	CLA	O2D-CGD	5.19	1.46	1.33
25	5	301	5X6	C27-C26	5.19	1.57	1.46
17	5	312	CLA	O2D-CGD	5.18	1.46	1.33
17	2	314	CLA	O2D-CGD	5.18	1.46	1.33
17	B	817	CLA	CHC-C1C	5.18	1.47	1.34
17	A	837	CLA	CHC-C1C	5.18	1.47	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	5	317	5X6	C27-C26	5.18	1.57	1.46
17	A	820	CLA	CHC-C1C	5.17	1.47	1.34
17	2	308	CLA	O2D-CGD	5.17	1.45	1.33
25	4	314	5X6	C27-C26	5.17	1.57	1.46
17	3	307	CLA	C3C-C2C	5.17	1.47	1.36
17	K	103	CLA	CHC-C1C	5.17	1.47	1.34
17	2	316	CLA	O2D-CGD	5.17	1.45	1.33
17	A	813	CLA	CHC-C1C	5.17	1.47	1.34
17	L	202	CLA	C3C-C2C	5.16	1.47	1.36
17	2	312	CLA	C3C-C2C	5.16	1.47	1.36
17	3	306	CLA	C3C-C2C	5.16	1.47	1.36
17	5	307	CLA	O2D-CGD	5.16	1.45	1.33
17	A	829	CLA	O2D-CGD	5.16	1.45	1.33
17	3	310	CLA	C3C-C2C	5.16	1.47	1.36
17	3	312	CLA	C3C-C2C	5.16	1.47	1.36
25	3	317	5X6	C27-C26	5.15	1.57	1.46
17	A	809	CLA	C3B-C2B	5.15	1.47	1.40
17	B	835	CLA	O2D-CGD	5.15	1.45	1.33
17	L	202	CLA	CHC-C1C	5.15	1.47	1.34
17	2	311	CLA	C3C-C2C	5.15	1.47	1.36
17	O	205	CLA	O2D-CGD	5.15	1.45	1.33
17	5	304	CLA	CHC-C1C	5.15	1.47	1.34
25	1	316	5X6	C27-C26	5.15	1.57	1.46
17	2	314	CLA	C3C-C2C	5.15	1.47	1.36
25	1	314	5X6	C27-C26	5.14	1.57	1.46
25	2	320	5X6	C27-C26	5.14	1.57	1.46
17	4	309	CLA	C3C-C2C	5.14	1.47	1.36
17	1	301	CLA	O2D-CGD	5.14	1.45	1.33
17	B	816	CLA	CHC-C1C	5.14	1.47	1.34
17	1	302	CLA	CHC-C1C	5.14	1.47	1.34
17	B	820	CLA	C3B-C2B	5.14	1.47	1.40
17	B	824	CLA	O2D-CGD	5.14	1.45	1.33
17	5	310	CLA	C3C-C2C	5.14	1.47	1.36
17	1	302	CLA	O2D-CGD	5.14	1.45	1.33
17	3	309	CLA	C3C-C2C	5.13	1.47	1.36
17	B	837	CLA	CHC-C1C	5.13	1.47	1.34
17	A	836	CLA	C3C-C2C	5.13	1.47	1.36
17	B	841	CLA	C3C-C2C	5.13	1.47	1.36
17	3	305	CLA	O2D-CGD	5.13	1.45	1.33
17	A	833	CLA	CHC-C1C	5.13	1.47	1.34
17	5	304	CLA	C3C-C2C	5.13	1.47	1.36
17	F	204	CLA	CHC-C1C	5.12	1.47	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	4	313	5X6	C27-C26	5.12	1.56	1.46
17	5	304	CLA	C3B-C2B	5.12	1.47	1.40
17	4	308	CLA	C3C-C2C	5.12	1.47	1.36
17	4	305	CLA	C3C-C2C	5.11	1.47	1.36
17	A	813	CLA	O2D-CGD	5.11	1.45	1.33
17	A	819	CLA	C3C-C2C	5.11	1.47	1.36
17	B	834	CLA	CHC-C1C	5.11	1.47	1.34
17	L	204	CLA	C3B-C2B	5.11	1.47	1.40
17	2	309	CLA	CHC-C1C	5.10	1.47	1.34
17	5	308	CLA	C3C-C2C	5.10	1.47	1.36
17	3	308	CLA	O2D-CGD	5.10	1.45	1.33
17	A	822	CLA	CHC-C1C	5.10	1.47	1.34
17	2	315	CLA	C3C-C2C	5.10	1.47	1.36
17	5	313	CLA	O2D-CGD	5.10	1.45	1.33
17	2	304	CLA	C3C-C2C	5.10	1.47	1.36
17	3	311	CLA	O2D-CGD	5.09	1.45	1.33
17	B	821	CLA	C3C-C2C	5.09	1.47	1.36
17	J	103	CLA	O2D-CGD	5.09	1.45	1.33
17	4	307	CLA	C3C-C2C	5.09	1.47	1.36
17	5	307	CLA	CHC-C1C	5.09	1.47	1.34
17	3	314	CLA	C3C-C2C	5.08	1.47	1.36
17	4	311	CLA	C3C-C2C	5.08	1.47	1.36
17	1	310	CLA	O2D-CGD	5.08	1.45	1.33
17	A	802	CLA	CHC-C1C	5.08	1.47	1.34
17	A	834	CLA	CHC-C1C	5.08	1.47	1.34
17	B	824	CLA	C3B-C2B	5.07	1.47	1.40
17	3	305	CLA	C3C-C2C	5.07	1.47	1.36
17	1	309	CLA	C3C-C2C	5.07	1.47	1.36
25	3	318	5X6	C27-C26	5.07	1.56	1.46
17	A	810	CLA	O2D-CGD	5.07	1.45	1.33
17	5	306	CLA	C3C-C2C	5.07	1.47	1.36
17	A	802	CLA	C3C-C2C	5.07	1.47	1.36
17	L	203	CLA	CHC-C1C	5.07	1.47	1.34
17	1	303	CLA	O2D-CGD	5.07	1.45	1.33
17	A	829	CLA	CHC-C1C	5.07	1.47	1.34
17	3	310	CLA	O2D-CGD	5.06	1.45	1.33
17	B	826	CLA	CHC-C1C	5.06	1.47	1.34
17	B	823	CLA	O2D-CGD	5.06	1.45	1.33
17	B	822	CLA	O2D-CGD	5.05	1.45	1.33
17	B	813	CLA	C3C-C2C	5.05	1.47	1.36
17	1	306	CLA	C3C-C2C	5.05	1.47	1.36
17	5	303	CLA	C3C-C2C	5.05	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	L	204	CLA	O2D-CGD	5.05	1.45	1.33
17	5	305	CLA	C3C-C2C	5.05	1.47	1.36
17	2	307	CLA	O2D-CGD	5.04	1.45	1.33
17	B	857	CLA	CHC-C1C	5.04	1.47	1.34
17	B	841	CLA	O2D-CGD	5.04	1.45	1.33
17	A	821	CLA	O2D-CGD	5.04	1.45	1.33
17	A	814	CLA	O2D-CGD	5.04	1.45	1.33
17	A	808	CLA	CHC-C1C	5.04	1.47	1.34
17	A	855	CLA	C3C-C2C	5.04	1.47	1.36
17	A	815	CLA	O2D-CGD	5.04	1.45	1.33
17	5	312	CLA	C3C-C2C	5.04	1.47	1.36
17	B	838	CLA	CHC-C1C	5.03	1.47	1.34
25	3	316	5X6	C27-C26	5.03	1.56	1.46
17	2	316	CLA	C3C-C2C	5.03	1.47	1.36
17	5	310	CLA	C1D-ND	5.03	1.44	1.37
17	1	302	CLA	C3C-C2C	5.03	1.47	1.36
17	2	306	CLA	C3C-C2C	5.03	1.47	1.36
17	A	814	CLA	C3B-C2B	5.03	1.47	1.40
17	F	204	CLA	O2D-CGD	5.02	1.45	1.33
17	A	820	CLA	O2D-CGD	5.02	1.45	1.33
17	5	308	CLA	O2D-CGD	5.02	1.45	1.33
17	2	307	CLA	C3C-C2C	5.02	1.47	1.36
25	1	315	5X6	C27-C26	5.02	1.56	1.46
17	O	204	CLA	C1D-ND	5.02	1.44	1.37
17	B	813	CLA	CHC-C1C	5.02	1.46	1.34
17	3	308	CLA	C3C-C2C	5.01	1.47	1.36
17	5	313	CLA	C3C-C2C	5.01	1.47	1.36
17	B	826	CLA	C3C-C2C	5.01	1.47	1.36
17	A	819	CLA	CHC-C1C	5.01	1.46	1.34
17	A	831	CLA	CHC-C1C	5.01	1.46	1.34
17	B	817	CLA	C3C-C2C	5.00	1.47	1.36
17	3	312	CLA	C1D-ND	5.00	1.44	1.37
17	O	204	CLA	O2D-CGD	5.00	1.45	1.33
17	A	818	CLA	CHC-C1C	5.00	1.46	1.34
17	A	805	CLA	C3C-C2C	5.00	1.47	1.36
17	B	806	CLA	CHC-C1C	5.00	1.46	1.34
17	A	839	CLA	CHC-C1C	5.00	1.46	1.34
25	2	319	5X6	C12-C13	5.00	1.56	1.46
17	A	817	CLA	CHC-C1C	4.99	1.46	1.34
17	O	205	CLA	C1D-ND	4.99	1.44	1.37
25	5	318	5X6	C27-C26	4.99	1.56	1.46
17	5	309	CLA	C3C-C2C	4.99	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	B	832	CLA	O2D-CGD	4.99	1.45	1.33
17	A	811	CLA	CHC-C1C	4.99	1.46	1.34
17	B	819	CLA	CHC-C1C	4.99	1.46	1.34
17	K	102	CLA	O2D-CGD	4.99	1.45	1.33
17	A	825	CLA	CHC-C1C	4.98	1.46	1.34
17	B	822	CLA	C3C-C2C	4.98	1.47	1.36
17	B	831	CLA	C3C-C2C	4.98	1.47	1.36
17	5	314	CLA	C1D-ND	4.98	1.44	1.37
17	5	305	CLA	O2A-CGA	4.97	1.47	1.33
17	L	203	CLA	O2D-CGD	4.97	1.45	1.33
17	B	812	CLA	C3C-C2C	4.97	1.47	1.36
17	B	811	CLA	C3C-C2C	4.97	1.47	1.36
17	2	305	CLA	C3C-C2C	4.96	1.47	1.36
17	A	832	CLA	C3C-C2C	4.96	1.47	1.36
17	B	808	CLA	C3C-C2C	4.96	1.47	1.36
17	A	815	CLA	CHC-C1C	4.95	1.46	1.34
17	O	203	CLA	C1D-ND	4.95	1.44	1.37
25	5	317	5X6	C12-C13	4.95	1.56	1.46
17	B	812	CLA	CHC-C1C	4.95	1.46	1.34
17	A	854	CLA	O2D-CGD	4.95	1.45	1.33
17	1	304	CLA	C3C-C2C	4.95	1.47	1.36
17	A	855	CLA	CHC-C1C	4.94	1.46	1.34
17	A	814	CLA	C3C-C2C	4.94	1.47	1.36
17	3	307	CLA	C1D-ND	4.94	1.44	1.37
17	4	305	CLA	C1D-ND	4.94	1.44	1.37
25	1	312	5X6	C27-C26	4.93	1.56	1.46
17	B	815	CLA	CHC-C1C	4.93	1.46	1.34
25	4	312	5X6	C12-C13	4.93	1.56	1.46
17	5	311	CLA	C1D-ND	4.92	1.44	1.37
17	B	821	CLA	O2D-CGD	4.92	1.45	1.33
17	3	313	CLA	C1D-ND	4.92	1.44	1.37
17	B	835	CLA	C3C-C2C	4.92	1.47	1.36
17	B	813	CLA	O2D-CGD	4.92	1.45	1.33
17	2	316	CLA	C1D-ND	4.91	1.44	1.37
17	F	204	CLA	C3C-C2C	4.91	1.47	1.36
17	A	808	CLA	O2D-CGD	4.91	1.45	1.33
17	A	859	CLA	O2D-CGD	4.91	1.45	1.33
17	B	840	CLA	C3B-C2B	4.91	1.47	1.40
17	A	831	CLA	O2D-CGD	4.90	1.45	1.33
25	2	321	5X6	C12-C13	4.90	1.56	1.46
17	1	310	CLA	C1D-ND	4.90	1.44	1.37
17	K	102	CLA	C3C-C2C	4.90	1.47	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	B	820	CLA	O2D-CGD	4.90	1.45	1.33
17	B	808	CLA	C3B-C2B	4.90	1.47	1.40
17	A	819	CLA	O2D-CGD	4.90	1.45	1.33
17	4	310	CLA	C1D-ND	4.90	1.44	1.37
17	F	203	CLA	CHC-C1C	4.89	1.46	1.34
17	5	304	CLA	O2D-CGD	4.89	1.45	1.33
17	B	831	CLA	O2D-CGD	4.89	1.45	1.33
17	4	309	CLA	C1D-ND	4.89	1.44	1.37
17	1	307	CLA	C3C-C2C	4.89	1.47	1.36
17	B	836	CLA	CHC-C1C	4.88	1.46	1.34
17	5	302	CLA	C1D-ND	4.88	1.44	1.37
25	2	318	5X6	C27-C26	4.88	1.56	1.46
17	B	818	CLA	CHC-C1C	4.88	1.46	1.34
17	B	816	CLA	C3C-C2C	4.88	1.47	1.36
17	1	311	CLA	C1D-ND	4.88	1.44	1.37
17	3	314	CLA	C1D-ND	4.88	1.44	1.37
17	B	827	CLA	C3C-C2C	4.88	1.47	1.36
17	A	856	CLA	CHC-C1C	4.87	1.46	1.34
17	A	808	CLA	C3C-C2C	4.87	1.47	1.36
17	B	824	CLA	C3C-C2C	4.87	1.47	1.36
17	2	310	CLA	O2D-CGD	4.87	1.45	1.33
17	A	829	CLA	C3C-C2C	4.87	1.47	1.36
17	A	820	CLA	C3C-C2C	4.86	1.47	1.36
17	B	817	CLA	O2D-CGD	4.86	1.45	1.33
17	1	306	CLA	O2D-CGD	4.86	1.45	1.33
17	A	827	CLA	CHC-C1C	4.85	1.46	1.34
17	A	835	CLA	CHC-C1C	4.85	1.46	1.34
17	1	309	CLA	C1D-ND	4.85	1.44	1.37
17	A	817	CLA	C3C-C2C	4.85	1.47	1.36
17	4	306	CLA	C1D-ND	4.85	1.44	1.37
17	A	833	CLA	O2D-CGD	4.84	1.45	1.33
17	B	857	CLA	C3C-C2C	4.84	1.47	1.36
17	4	311	CLA	C1D-ND	4.83	1.44	1.37
25	5	315	5X6	C27-C26	4.83	1.56	1.46
17	A	806	CLA	CHC-C1C	4.83	1.46	1.34
17	B	807	CLA	O2D-CGD	4.83	1.45	1.33
17	A	804	CLA	C3C-C2C	4.82	1.47	1.36
17	3	308	CLA	C1D-ND	4.82	1.44	1.37
17	B	807	CLA	C3C-C2C	4.82	1.47	1.36
17	4	307	CLA	O2D-CGD	4.82	1.45	1.33
17	A	855	CLA	O2D-CGD	4.82	1.45	1.33
17	2	309	CLA	C1D-ND	4.82	1.44	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	3	315	CLA	C1D-ND	4.82	1.44	1.37
17	A	839	CLA	O2D-CGD	4.81	1.45	1.33
25	4	312	5X6	C27-C26	4.81	1.56	1.46
17	B	838	CLA	C3C-C2C	4.81	1.47	1.36
17	2	314	CLA	C1D-ND	4.80	1.44	1.37
17	A	809	CLA	C3C-C2C	4.80	1.47	1.36
25	4	313	5X6	C12-C13	4.80	1.56	1.46
17	3	307	CLA	O2A-CGA	4.80	1.47	1.33
17	B	818	CLA	C3B-C2B	4.80	1.46	1.40
25	1	312	5X6	C12-C13	4.79	1.56	1.46
25	1	313	5X6	C12-C13	4.79	1.56	1.46
17	B	838	CLA	O2D-CGD	4.78	1.45	1.33
17	B	811	CLA	CHC-C1C	4.78	1.46	1.34
17	B	837	CLA	C3C-C2C	4.78	1.47	1.36
25	5	301	5X6	C12-C13	4.78	1.56	1.46
17	B	834	CLA	C3B-C2B	4.78	1.46	1.40
25	5	316	5X6	C27-C26	4.78	1.56	1.46
25	3	316	5X6	C12-C13	4.78	1.56	1.46
17	B	811	CLA	O2D-CGD	4.78	1.45	1.33
17	2	308	CLA	C1D-ND	4.77	1.44	1.37
17	A	854	CLA	CHC-C1C	4.77	1.46	1.34
17	A	815	CLA	C3C-C2C	4.77	1.47	1.36
17	A	834	CLA	C3C-C2C	4.77	1.47	1.36
17	A	812	CLA	C3C-C2C	4.77	1.47	1.36
17	3	309	CLA	C1D-ND	4.77	1.44	1.37
17	B	832	CLA	C3C-C2C	4.77	1.47	1.36
17	B	802	CLA	C3B-C2B	4.76	1.46	1.40
17	2	312	CLA	C1D-ND	4.76	1.44	1.37
25	2	321	5X6	C27-C26	4.76	1.56	1.46
17	1	303	CLA	C1D-ND	4.76	1.44	1.37
17	J	103	CLA	C3C-C2C	4.76	1.47	1.36
17	B	825	CLA	CHC-C1C	4.76	1.46	1.34
17	A	837	CLA	C3B-C2B	4.76	1.46	1.40
25	1	313	5X6	C27-C26	4.76	1.56	1.46
25	4	314	5X6	C12-C13	4.76	1.56	1.46
17	B	835	CLA	C3B-C2B	4.75	1.46	1.40
17	2	304	CLA	C1D-ND	4.75	1.44	1.37
17	A	808	CLA	C3B-C2B	4.75	1.46	1.40
25	1	315	5X6	C12-C13	4.75	1.56	1.46
17	A	836	CLA	CHC-C1C	4.75	1.46	1.34
17	A	810	CLA	CHC-C1C	4.75	1.46	1.34
17	B	834	CLA	O2D-CGD	4.75	1.44	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	2	309	CLA	C3C-C2C	4.74	1.47	1.36
17	A	838	CLA	C3C-C2C	4.74	1.47	1.36
17	A	814	CLA	O2A-CGA	4.74	1.46	1.30
17	B	818	CLA	O2D-CGD	4.73	1.44	1.33
17	2	313	CLA	C1D-ND	4.73	1.44	1.37
25	2	320	5X6	C12-C13	4.73	1.56	1.46
17	B	808	CLA	O2D-CGD	4.73	1.44	1.33
17	A	822	CLA	O2D-CGD	4.73	1.44	1.33
17	A	803	CLA	O2D-CGD	4.73	1.44	1.33
17	A	856	CLA	O2D-CGD	4.73	1.44	1.33
17	B	825	CLA	O2D-CGD	4.72	1.44	1.33
17	A	818	CLA	C3C-C2C	4.72	1.47	1.36
25	5	318	5X6	C33-C32	4.72	1.59	1.52
17	B	814	CLA	O2D-CGD	4.72	1.44	1.33
17	A	810	CLA	O2A-CGA	4.72	1.47	1.33
17	A	804	CLA	O2A-CGA	4.72	1.47	1.33
25	2	318	5X6	C12-C13	4.71	1.56	1.46
17	A	853	CLA	C3B-C2B	4.71	1.46	1.40
17	A	810	CLA	C3C-C2C	4.71	1.46	1.36
17	B	829	CLA	C3C-C2C	4.70	1.46	1.36
17	1	305	CLA	C1D-ND	4.70	1.44	1.37
17	K	103	CLA	C3C-C2C	4.70	1.46	1.36
25	5	316	5X6	C12-C13	4.70	1.56	1.46
17	A	807	CLA	C3C-C2C	4.70	1.46	1.36
17	B	827	CLA	CHC-C1C	4.70	1.46	1.34
25	1	314	5X6	C12-C13	4.70	1.56	1.46
25	3	318	5X6	C12-C13	4.70	1.56	1.46
17	A	832	CLA	O2D-CGD	4.70	1.44	1.33
17	B	837	CLA	O2D-CGD	4.70	1.44	1.33
17	B	832	CLA	CHC-C1C	4.69	1.46	1.34
17	4	308	CLA	C1D-ND	4.69	1.44	1.37
17	A	834	CLA	O2D-CGD	4.69	1.44	1.33
17	B	801	CLA	O2D-CGD	4.69	1.44	1.33
17	L	204	CLA	C1D-ND	4.69	1.44	1.37
17	A	816	CLA	CHC-C1C	4.69	1.46	1.34
17	A	856	CLA	C3C-C2C	4.68	1.46	1.36
25	2	317	5X6	C12-C13	4.68	1.56	1.46
17	B	831	CLA	CHC-C1C	4.68	1.46	1.34
17	A	805	CLA	O2D-CGD	4.68	1.44	1.33
17	B	814	CLA	CHC-C1C	4.68	1.46	1.34
18	B	842	PQN	C10-C5	4.68	1.48	1.40
25	1	316	5X6	C12-C13	4.68	1.56	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	B	833	CLA	C3C-C2C	4.67	1.46	1.36
17	2	315	CLA	C1D-ND	4.67	1.44	1.37
17	1	308	CLA	C1D-ND	4.67	1.44	1.37
17	A	806	CLA	O2D-CGD	4.67	1.44	1.33
17	A	830	CLA	O2D-CGD	4.67	1.44	1.33
17	B	835	CLA	O2A-CGA	4.67	1.46	1.30
17	A	836	CLA	O2D-CGD	4.67	1.44	1.33
17	5	306	CLA	C1D-ND	4.67	1.44	1.37
17	B	805	CLA	O2D-CGD	4.66	1.44	1.33
17	A	818	CLA	O2D-CGD	4.66	1.44	1.33
25	2	317	5X6	C23-C22	4.66	1.55	1.46
25	4	313	5X6	C23-C22	4.66	1.55	1.46
17	A	837	CLA	C3C-C2C	4.66	1.46	1.36
25	2	321	5X6	C33-C32	4.66	1.58	1.52
17	A	852	CLA	O2D-CGD	4.66	1.44	1.33
17	A	802	CLA	C3B-C2B	4.66	1.46	1.40
25	2	319	5X6	C23-C22	4.65	1.55	1.46
17	A	830	CLA	CHC-C1C	4.65	1.46	1.34
17	4	303	CLA	C1D-ND	4.65	1.44	1.37
17	A	826	CLA	O2D-CGD	4.65	1.44	1.33
17	A	853	CLA	C3C-C2C	4.65	1.46	1.36
17	B	802	CLA	C3C-C2C	4.65	1.46	1.36
17	3	305	CLA	C1D-ND	4.65	1.44	1.37
17	B	827	CLA	O2D-CGD	4.64	1.44	1.33
17	B	809	CLA	CHC-C1C	4.64	1.46	1.34
17	2	315	CLA	O2A-CGA	4.64	1.46	1.30
17	B	805	CLA	C3C-C2C	4.64	1.46	1.36
17	3	310	CLA	O2A-CGA	4.64	1.46	1.30
17	B	840	CLA	O2D-CGD	4.64	1.44	1.33
17	5	304	CLA	O2A-CGA	4.64	1.46	1.33
17	1	304	CLA	C1D-ND	4.63	1.43	1.37
17	5	309	CLA	O2A-CGA	4.63	1.46	1.33
17	2	311	CLA	O2A-CGA	4.63	1.46	1.33
17	2	306	CLA	O2A-CGA	4.63	1.46	1.30
17	2	310	CLA	C1D-ND	4.63	1.43	1.37
17	A	824	CLA	CHC-C1C	4.63	1.46	1.34
17	A	817	CLA	O2D-CGD	4.63	1.44	1.33
17	A	830	CLA	C3C-C2C	4.62	1.46	1.36
17	5	312	CLA	C1D-ND	4.62	1.43	1.37
17	K	102	CLA	C1D-ND	4.62	1.43	1.37
17	2	310	CLA	O2A-CGA	4.62	1.46	1.30
17	F	203	CLA	O2D-CGD	4.61	1.44	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	A	824	CLA	C3C-C2C	4.61	1.46	1.36
17	4	307	CLA	O2A-CGA	4.61	1.46	1.30
17	5	313	CLA	O2A-CGA	4.61	1.46	1.30
17	5	307	CLA	O2A-CGA	4.61	1.46	1.30
17	3	306	CLA	O2A-CGA	4.61	1.46	1.30
25	3	317	5X6	C12-C13	4.60	1.55	1.46
17	1	305	CLA	O2A-CGA	4.60	1.46	1.30
17	3	309	CLA	O2A-CGA	4.60	1.46	1.30
17	A	834	CLA	O2A-CGA	4.60	1.46	1.33
17	A	835	CLA	O2A-CGA	4.60	1.46	1.33
17	5	305	CLA	C1D-ND	4.60	1.43	1.37
17	1	310	CLA	O2A-CGA	4.60	1.46	1.30
17	2	309	CLA	O2A-CGA	4.59	1.46	1.30
17	B	801	CLA	C3C-C2C	4.59	1.46	1.36
17	L	203	CLA	C3C-C2C	4.59	1.46	1.36
17	J	103	CLA	CHC-C1C	4.59	1.45	1.34
17	4	306	CLA	O2A-CGA	4.59	1.46	1.30
17	B	814	CLA	C3C-C2C	4.59	1.46	1.36
17	2	314	CLA	O2A-CGA	4.59	1.46	1.30
17	5	312	CLA	O2A-CGA	4.59	1.46	1.30
17	B	804	CLA	C3C-C2C	4.59	1.46	1.36
17	2	308	CLA	CHD-C1D	4.59	1.47	1.38
17	3	308	CLA	O2A-CGA	4.58	1.46	1.30
17	1	309	CLA	O2A-CGA	4.58	1.46	1.30
17	B	808	CLA	CHC-C1C	4.58	1.45	1.34
17	A	816	CLA	C3C-C2C	4.58	1.46	1.36
17	1	311	CLA	O2A-CGA	4.58	1.46	1.30
17	4	304	CLA	C1D-ND	4.58	1.43	1.37
17	F	203	CLA	C3C-C2C	4.58	1.46	1.36
17	5	303	CLA	O2A-CGA	4.58	1.46	1.33
17	3	311	CLA	O2A-CGA	4.58	1.46	1.33
17	1	301	CLA	O2A-CGA	4.57	1.45	1.30
17	B	828	CLA	C3C-C2C	4.57	1.46	1.36
17	B	817	CLA	O2A-CGA	4.57	1.46	1.33
17	2	305	CLA	C1D-ND	4.57	1.43	1.37
17	B	821	CLA	O2A-CGA	4.57	1.45	1.30
17	A	835	CLA	O2D-CGD	4.57	1.44	1.33
25	1	314	5X6	C33-C32	4.57	1.58	1.52
17	2	316	CLA	O2A-CGA	4.57	1.45	1.30
17	A	831	CLA	C3C-C2C	4.57	1.46	1.36
17	2	304	CLA	O2A-CGA	4.57	1.45	1.30
17	3	311	CLA	C1D-ND	4.57	1.43	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	A	816	CLA	O2D-CGD	4.56	1.44	1.33
17	1	304	CLA	O2A-CGA	4.56	1.45	1.30
17	B	836	CLA	O2D-CGD	4.56	1.44	1.33
17	A	854	CLA	C3C-C2C	4.56	1.46	1.36
17	A	812	CLA	O2A-CGA	4.56	1.46	1.33
17	4	311	CLA	O2A-CGA	4.55	1.45	1.30
17	5	311	CLA	O2A-CGA	4.55	1.45	1.30
17	A	828	CLA	O2A-CGA	4.55	1.46	1.33
17	A	838	CLA	CHC-C1C	4.55	1.45	1.34
17	2	306	CLA	C1D-ND	4.55	1.43	1.37
17	B	813	CLA	O2A-CGA	4.55	1.46	1.33
17	O	205	CLA	O2A-CGA	4.55	1.45	1.30
17	2	308	CLA	O2A-CGA	4.55	1.45	1.30
17	B	818	CLA	O2A-CGA	4.55	1.46	1.33
17	5	306	CLA	O2A-CGA	4.55	1.45	1.30
17	A	827	CLA	C3C-C2C	4.55	1.46	1.36
17	5	302	CLA	O2A-CGA	4.54	1.45	1.30
17	B	809	CLA	O2D-CGD	4.54	1.44	1.33
16	A	801	CL0	C3C-C2C	4.54	1.46	1.36
17	A	804	CLA	O2D-CGD	4.54	1.44	1.33
17	4	310	CLA	O2A-CGA	4.54	1.45	1.30
17	4	308	CLA	O2A-CGA	4.54	1.45	1.30
17	B	806	CLA	O2D-CGD	4.54	1.44	1.33
18	A	840	PQN	C10-C5	4.53	1.48	1.40
25	4	314	5X6	C33-C32	4.53	1.58	1.52
17	A	852	CLA	CHC-C1C	4.53	1.45	1.34
25	1	315	5X6	C16-C17	4.53	1.55	1.46
17	B	813	CLA	C1D-ND	4.53	1.43	1.37
25	2	319	5X6	C16-C17	4.53	1.55	1.46
17	A	833	CLA	O2A-CGA	4.53	1.46	1.33
17	A	852	CLA	C3C-C2C	4.52	1.46	1.36
17	A	835	CLA	C3C-C2C	4.51	1.46	1.36
25	1	312	5X6	C16-C17	4.51	1.55	1.46
17	A	826	CLA	C3C-C2C	4.51	1.46	1.36
17	B	809	CLA	C3B-C2B	4.50	1.46	1.40
17	A	828	CLA	C3C-C2C	4.50	1.46	1.36
17	B	824	CLA	O2A-CGA	4.50	1.46	1.33
17	A	802	CLA	O2D-CGD	4.50	1.44	1.33
17	A	809	CLA	CHC-C1C	4.50	1.45	1.34
17	B	816	CLA	O2A-CGA	4.50	1.46	1.33
17	F	203	CLA	O2A-CGA	4.50	1.45	1.30
17	3	306	CLA	C1D-ND	4.49	1.43	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	A	815	CLA	O2A-CGA	4.49	1.46	1.33
17	A	803	CLA	CHC-C1C	4.49	1.45	1.34
17	2	311	CLA	C1D-ND	4.49	1.43	1.37
17	B	857	CLA	C3B-C2B	4.48	1.46	1.40
17	A	833	CLA	C3B-C2B	4.48	1.46	1.40
17	B	810	CLA	CHC-C1C	4.47	1.45	1.34
17	B	819	CLA	O2D-CGD	4.47	1.44	1.33
17	A	811	CLA	C3C-C2C	4.47	1.46	1.36
17	3	305	CLA	O2A-CGA	4.47	1.46	1.33
17	B	816	CLA	O2D-CGD	4.47	1.44	1.33
17	L	202	CLA	C1D-ND	4.46	1.43	1.37
17	A	809	CLA	O2D-CGD	4.46	1.44	1.33
17	A	855	CLA	C3B-C2B	4.46	1.46	1.40
17	2	307	CLA	O2A-CGA	4.46	1.46	1.33
17	A	818	CLA	O2A-CGA	4.46	1.46	1.33
17	4	303	CLA	O2A-CGA	4.46	1.46	1.33
17	B	817	CLA	C3B-C2B	4.46	1.46	1.40
17	B	837	CLA	O2A-CGA	4.46	1.46	1.33
17	5	310	CLA	CHD-C1D	4.46	1.47	1.38
25	5	315	5X6	C12-C13	4.46	1.55	1.46
17	1	305	CLA	CHD-C1D	4.46	1.47	1.38
17	3	312	CLA	CHD-C1D	4.45	1.47	1.38
17	B	836	CLA	C3C-C2C	4.45	1.46	1.36
25	5	317	5X6	C23-C22	4.45	1.55	1.46
17	A	823	CLA	O2D-CGD	4.45	1.44	1.33
17	A	825	CLA	C3C-C2C	4.45	1.46	1.36
17	1	307	CLA	C1D-ND	4.45	1.43	1.37
25	5	301	5X6	C23-C22	4.45	1.55	1.46
17	B	805	CLA	O2A-CGA	4.45	1.46	1.33
17	B	830	CLA	C3C-C2C	4.44	1.46	1.36
25	2	321	5X6	C23-C22	4.44	1.55	1.46
25	2	320	5X6	C23-C22	4.44	1.55	1.46
17	A	853	CLA	CHC-C1C	4.43	1.45	1.34
17	5	308	CLA	CHD-C1D	4.43	1.47	1.38
17	B	815	CLA	O2D-CGD	4.43	1.44	1.33
25	3	316	5X6	C23-C22	4.43	1.55	1.46
17	4	309	CLA	CHD-C1D	4.43	1.47	1.38
17	A	821	CLA	O2A-CGA	4.43	1.46	1.33
25	3	316	5X6	C16-C17	4.43	1.55	1.46
17	1	306	CLA	C1D-ND	4.43	1.43	1.37
17	A	805	CLA	CHC-C1C	4.42	1.45	1.34
25	5	301	5X6	C16-C17	4.42	1.55	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	5	314	CLA	CHD-C1D	4.42	1.47	1.38
17	L	203	CLA	O2A-CGA	4.42	1.46	1.33
25	4	314	5X6	C23-C22	4.42	1.55	1.46
25	1	313	5X6	C16-C17	4.41	1.55	1.46
17	B	833	CLA	O2D-CGD	4.41	1.44	1.33
17	B	815	CLA	C3C-C2C	4.41	1.46	1.36
17	L	202	CLA	O2A-CGA	4.41	1.46	1.33
17	3	310	CLA	C1D-ND	4.41	1.43	1.37
17	B	833	CLA	CHC-C1C	4.41	1.45	1.34
17	A	826	CLA	CHC-C1C	4.41	1.45	1.34
17	B	829	CLA	O2D-CGD	4.41	1.44	1.33
17	A	829	CLA	O2A-CGA	4.40	1.46	1.33
17	A	832	CLA	C3D-C2D	4.40	1.51	1.39
25	5	318	5X6	C12-C13	4.40	1.55	1.46
17	B	801	CLA	CHC-C1C	4.40	1.45	1.34
17	B	809	CLA	C3C-C2C	4.40	1.46	1.36
17	2	310	CLA	CHD-C1D	4.39	1.47	1.38
25	2	317	5X6	C16-C17	4.39	1.55	1.46
17	B	802	CLA	CHC-C1C	4.39	1.45	1.34
17	O	205	CLA	CHD-C1D	4.39	1.47	1.38
25	5	317	5X6	C16-C17	4.39	1.55	1.46
17	B	810	CLA	O2D-CGD	4.39	1.44	1.33
17	3	315	CLA	O2A-CGA	4.39	1.46	1.33
17	4	305	CLA	O2A-CGA	4.38	1.45	1.30
17	O	203	CLA	CHD-C1D	4.38	1.47	1.38
17	A	805	CLA	O2A-CGA	4.38	1.46	1.33
17	4	310	CLA	CHD-C1D	4.38	1.47	1.38
25	5	315	5X6	C23-C22	4.38	1.55	1.46
17	5	307	CLA	C3C-C2C	4.38	1.46	1.36
17	B	834	CLA	O2A-CGA	4.38	1.46	1.33
17	2	316	CLA	CHD-C1D	4.38	1.47	1.38
25	2	317	5X6	C33-C32	4.38	1.58	1.52
17	5	310	CLA	CHD-C4C	4.38	1.49	1.39
17	B	807	CLA	CHC-C1C	4.38	1.45	1.34
25	5	315	5X6	C33-C32	4.37	1.58	1.52
17	4	311	CLA	CHD-C1D	4.37	1.46	1.38
25	2	319	5X6	C19-C18	4.37	1.56	1.43
17	4	306	CLA	CHD-C4C	4.37	1.49	1.39
17	A	830	CLA	O2A-CGA	4.37	1.46	1.33
17	1	310	CLA	CHD-C1D	4.37	1.46	1.38
17	3	314	CLA	CHD-C1D	4.37	1.46	1.38
17	5	306	CLA	CHD-C1D	4.37	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	A	823	CLA	C3C-C2C	4.37	1.46	1.36
17	1	305	CLA	CHD-C4C	4.37	1.49	1.39
17	A	824	CLA	O2D-CGD	4.36	1.44	1.33
17	B	828	CLA	CHC-C1C	4.36	1.45	1.34
17	B	857	CLA	O2D-CGD	4.36	1.43	1.33
25	3	318	5X6	C23-C22	4.36	1.55	1.46
17	A	820	CLA	O2A-CGA	4.36	1.46	1.33
17	A	822	CLA	O2A-CGA	4.36	1.46	1.33
17	5	314	CLA	O2A-CGA	4.35	1.46	1.33
17	A	819	CLA	O2A-CGA	4.35	1.46	1.33
17	5	303	CLA	C1D-ND	4.35	1.43	1.37
17	O	204	CLA	CHD-C1D	4.35	1.46	1.38
17	1	311	CLA	CHD-C1D	4.35	1.46	1.38
17	4	306	CLA	CHD-C1D	4.35	1.46	1.38
17	B	825	CLA	O2A-CGA	4.35	1.46	1.33
17	A	822	CLA	C3C-C2C	4.35	1.46	1.36
25	J	105	5X6	C27-C26	4.34	1.55	1.46
17	A	825	CLA	O2D-CGD	4.34	1.43	1.33
25	5	318	5X6	C16-C17	4.34	1.55	1.46
17	O	204	CLA	O2A-CGA	4.34	1.46	1.33
17	B	839	CLA	C3C-C2C	4.34	1.46	1.36
17	4	307	CLA	C1D-ND	4.34	1.43	1.37
17	3	313	CLA	CHD-C1D	4.34	1.46	1.38
25	5	318	5X6	C23-C22	4.33	1.55	1.46
17	5	308	CLA	O2A-CGA	4.33	1.46	1.33
17	B	822	CLA	C1D-ND	4.33	1.43	1.37
17	B	819	CLA	C3C-C2C	4.33	1.46	1.36
25	4	313	5X6	C16-C17	4.33	1.55	1.46
25	1	314	5X6	C23-C22	4.33	1.55	1.46
17	5	304	CLA	C1D-ND	4.33	1.43	1.37
17	A	831	CLA	O2A-CGA	4.33	1.46	1.33
17	5	302	CLA	CHD-C4C	4.33	1.49	1.39
17	2	307	CLA	C1D-ND	4.33	1.43	1.37
17	A	807	CLA	O2D-CGD	4.33	1.43	1.33
17	4	305	CLA	CHD-C1D	4.32	1.46	1.38
17	B	810	CLA	O2A-CGA	4.32	1.46	1.33
17	A	803	CLA	C3C-C2C	4.32	1.46	1.36
17	1	307	CLA	O2A-CGA	4.32	1.45	1.33
25	4	312	5X6	C23-C22	4.32	1.55	1.46
17	5	302	CLA	CHD-C1D	4.32	1.46	1.38
17	A	826	CLA	O2A-CGA	4.32	1.45	1.33
17	F	204	CLA	C1D-ND	4.32	1.43	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	2	315	CLA	CHD-C1D	4.32	1.46	1.38
17	3	315	CLA	CHD-C1D	4.32	1.46	1.38
25	4	312	5X6	C16-C17	4.32	1.55	1.46
17	B	818	CLA	C3C-C2C	4.32	1.46	1.36
17	B	828	CLA	O2A-CGA	4.31	1.45	1.33
17	2	308	CLA	CHD-C4C	4.31	1.49	1.39
17	B	815	CLA	O2A-CGA	4.31	1.45	1.33
17	A	815	CLA	C3B-C2B	4.31	1.46	1.40
17	B	830	CLA	O2A-CGA	4.31	1.45	1.33
17	A	808	CLA	O2A-CGA	4.31	1.45	1.33
17	4	309	CLA	CHD-C4C	4.30	1.49	1.39
17	B	810	CLA	C3C-C2C	4.30	1.46	1.36
17	L	204	CLA	O2A-CGA	4.30	1.45	1.33
25	1	315	5X6	C23-C22	4.30	1.55	1.46
17	A	823	CLA	CHC-C1C	4.30	1.45	1.34
17	B	839	CLA	O2D-CGD	4.30	1.43	1.33
17	2	312	CLA	CHD-C1D	4.30	1.46	1.38
17	1	306	CLA	CHD-C1D	4.29	1.46	1.38
17	3	307	CLA	CHD-C1D	4.29	1.46	1.38
17	1	303	CLA	O2A-CGA	4.29	1.45	1.33
17	1	301	CLA	C1D-ND	4.29	1.43	1.37
17	5	305	CLA	CHD-C4C	4.29	1.49	1.39
17	5	311	CLA	CHD-C1D	4.28	1.46	1.38
17	B	804	CLA	CHC-C1C	4.28	1.45	1.34
17	5	309	CLA	C1D-ND	4.28	1.43	1.37
17	B	804	CLA	O2D-CGD	4.28	1.43	1.33
17	4	311	CLA	CHD-C4C	4.28	1.48	1.39
17	2	305	CLA	O2A-CGA	4.28	1.45	1.33
17	O	205	CLA	CHD-C4C	4.27	1.48	1.39
17	3	312	CLA	CHD-C4C	4.27	1.48	1.39
17	K	102	CLA	O2A-CGA	4.27	1.45	1.33
25	4	314	5X6	C16-C17	4.27	1.55	1.46
17	5	313	CLA	CHD-C1D	4.27	1.46	1.38
17	2	309	CLA	CHD-C1D	4.27	1.46	1.38
17	A	831	CLA	C3B-C2B	4.27	1.46	1.40
25	1	316	5X6	C33-C32	4.26	1.58	1.52
17	3	308	CLA	CHD-C1D	4.26	1.46	1.38
17	B	838	CLA	O2A-CGA	4.26	1.45	1.33
17	2	316	CLA	CHD-C4C	4.26	1.48	1.39
17	O	203	CLA	CHD-C4C	4.26	1.48	1.39
17	1	306	CLA	O2A-CGA	4.26	1.45	1.33
17	2	314	CLA	CHD-C1D	4.25	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	2	320	5X6	C33-C32	4.25	1.58	1.52
17	5	308	CLA	C1D-ND	4.25	1.43	1.37
17	A	834	CLA	CHD-C1D	4.25	1.46	1.38
17	1	311	CLA	CHD-C4C	4.25	1.48	1.39
17	4	310	CLA	CHD-C4C	4.25	1.48	1.39
17	3	307	CLA	CHD-C4C	4.25	1.48	1.39
17	B	820	CLA	C1D-ND	4.25	1.43	1.37
17	B	831	CLA	O2A-CGA	4.25	1.45	1.33
17	5	312	CLA	CHD-C1D	4.25	1.46	1.38
25	3	317	5X6	C16-C17	4.25	1.55	1.46
17	B	802	CLA	O2A-CGA	4.25	1.45	1.33
17	2	312	CLA	CHD-C4C	4.24	1.48	1.39
16	A	801	CL0	CHC-C1C	4.24	1.45	1.34
17	5	303	CLA	CHD-C4C	4.24	1.48	1.39
17	B	832	CLA	O2A-CGA	4.24	1.45	1.33
17	1	301	CLA	CHD-C1D	4.24	1.46	1.38
17	B	840	CLA	C3C-C2C	4.24	1.45	1.36
17	B	830	CLA	CHC-C1C	4.23	1.45	1.34
17	B	826	CLA	O2D-CGD	4.23	1.43	1.33
17	1	310	CLA	CHD-C4C	4.23	1.48	1.39
17	B	822	CLA	O2A-CGA	4.23	1.46	1.33
17	L	204	CLA	CHD-C1D	4.23	1.46	1.38
17	B	823	CLA	C1D-ND	4.23	1.43	1.37
17	2	304	CLA	CHD-C4C	4.22	1.48	1.39
25	1	316	5X6	C23-C22	4.22	1.55	1.46
17	B	808	CLA	O2A-CGA	4.22	1.45	1.33
17	B	833	CLA	O2A-CGA	4.22	1.45	1.33
17	2	305	CLA	CHD-C4C	4.22	1.48	1.39
25	2	321	5X6	C16-C17	4.22	1.55	1.46
17	2	307	CLA	CHD-C4C	4.22	1.48	1.39
17	2	304	CLA	CHD-C1D	4.22	1.46	1.38
17	B	811	CLA	O2A-CGA	4.22	1.45	1.33
17	4	303	CLA	CHD-C1D	4.22	1.46	1.38
17	A	838	CLA	O2D-CGD	4.21	1.43	1.33
17	5	314	CLA	CHD-C4C	4.21	1.48	1.39
17	2	313	CLA	CHD-C4C	4.21	1.48	1.39
17	1	309	CLA	CHD-C1D	4.21	1.46	1.38
25	2	320	5X6	C16-C17	4.21	1.55	1.46
17	A	856	CLA	O2A-CGA	4.21	1.45	1.33
17	B	817	CLA	C1D-ND	4.21	1.43	1.37
17	3	313	CLA	CHD-C4C	4.21	1.48	1.39
17	5	313	CLA	C1D-ND	4.21	1.43	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	3	305	CLA	CHD-C4C	4.21	1.48	1.39
17	B	820	CLA	CHD-C1D	4.20	1.46	1.38
17	B	806	CLA	C3C-C2C	4.20	1.45	1.36
24	B	849	DGD	O1G-C1A	4.20	1.45	1.33
17	5	311	CLA	CHD-C4C	4.20	1.48	1.39
25	3	318	5X6	C16-C17	4.20	1.54	1.46
25	5	317	5X6	C24-C25	4.20	1.56	1.43
17	A	837	CLA	O2A-CGA	4.20	1.45	1.33
17	A	839	CLA	O2A-CGA	4.20	1.45	1.33
17	1	308	CLA	CHD-C4C	4.20	1.48	1.39
17	O	204	CLA	CHD-C4C	4.20	1.48	1.39
17	4	305	CLA	CHD-C4C	4.20	1.48	1.39
17	A	828	CLA	O2D-CGD	4.20	1.43	1.33
17	3	314	CLA	CHD-C4C	4.19	1.48	1.39
17	4	304	CLA	CHD-C4C	4.19	1.48	1.39
17	B	841	CLA	C1D-ND	4.19	1.43	1.37
17	5	305	CLA	CHD-C1D	4.19	1.46	1.38
17	3	311	CLA	CHD-C4C	4.19	1.48	1.39
17	B	840	CLA	CHC-C1C	4.19	1.44	1.34
25	2	319	5X6	C15-C14	4.19	1.56	1.43
25	1	313	5X6	C23-C22	4.18	1.54	1.46
17	2	311	CLA	CHD-C4C	4.18	1.48	1.39
17	3	315	CLA	CHD-C4C	4.18	1.48	1.39
25	1	316	5X6	C16-C17	4.18	1.54	1.46
17	2	313	CLA	CHD-C1D	4.18	1.46	1.38
17	2	314	CLA	CHD-C4C	4.18	1.48	1.39
17	5	308	CLA	CHD-C4C	4.18	1.48	1.39
17	5	304	CLA	CHD-C1D	4.18	1.46	1.38
25	4	313	5X6	C19-C18	4.18	1.56	1.43
17	B	828	CLA	O2D-CGD	4.18	1.43	1.33
17	B	857	CLA	O2A-CGA	4.17	1.45	1.33
17	4	307	CLA	CHD-C1D	4.17	1.46	1.38
25	5	301	5X6	C19-C18	4.17	1.56	1.43
17	A	823	CLA	O2A-CGA	4.17	1.45	1.33
17	A	859	CLA	O2A-CGA	4.17	1.45	1.33
25	5	317	5X6	C33-C32	4.16	1.58	1.52
17	F	204	CLA	CHD-C4C	4.16	1.48	1.39
25	2	319	5X6	C20-C21	4.16	1.56	1.43
17	3	310	CLA	CHD-C1D	4.16	1.46	1.38
17	3	309	CLA	CHD-C1D	4.16	1.46	1.38
25	2	317	5X6	C24-C25	4.15	1.56	1.43
17	2	310	CLA	CHD-C4C	4.15	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	1	303	CLA	CHD-C1D	4.15	1.46	1.38
17	A	827	CLA	O2D-CGD	4.15	1.43	1.33
17	B	820	CLA	O2A-CGA	4.15	1.45	1.33
17	4	307	CLA	CHD-C4C	4.15	1.48	1.39
17	1	306	CLA	CHD-C4C	4.15	1.48	1.39
17	A	802	CLA	O2A-CGA	4.14	1.45	1.33
17	4	308	CLA	CHD-C1D	4.14	1.46	1.38
17	B	839	CLA	OBD-CAD	4.14	1.29	1.22
17	1	302	CLA	O2A-CGA	4.14	1.45	1.33
17	A	855	CLA	O2A-CGA	4.14	1.45	1.33
17	4	303	CLA	CHD-C4C	4.13	1.48	1.39
17	2	315	CLA	CHD-C4C	4.13	1.48	1.39
17	4	304	CLA	CHD-C1D	4.13	1.46	1.38
17	4	304	CLA	O2A-CGA	4.13	1.45	1.33
17	3	314	CLA	O2A-CGA	4.13	1.45	1.33
17	1	309	CLA	CHD-C4C	4.12	1.48	1.39
17	2	309	CLA	CHD-C4C	4.12	1.48	1.39
17	B	829	CLA	CHC-C1C	4.12	1.44	1.34
25	4	314	5X6	C19-C18	4.12	1.56	1.43
17	1	304	CLA	CHD-C1D	4.12	1.46	1.38
25	3	316	5X6	C19-C18	4.12	1.55	1.43
17	A	839	CLA	C3C-C2C	4.11	1.45	1.36
25	2	318	5X6	C33-C32	4.11	1.58	1.52
17	F	204	CLA	CHD-C1D	4.11	1.46	1.38
17	5	306	CLA	CHD-C4C	4.11	1.48	1.39
17	A	809	CLA	O2A-CGA	4.10	1.45	1.33
17	4	308	CLA	CHD-C4C	4.10	1.48	1.39
17	1	301	CLA	CHD-C4C	4.10	1.48	1.39
17	3	309	CLA	CHD-C4C	4.10	1.48	1.39
25	2	318	5X6	C16-C17	4.10	1.54	1.46
17	3	305	CLA	CHD-C1D	4.10	1.46	1.38
17	5	303	CLA	CHD-C1D	4.10	1.46	1.38
17	B	839	CLA	O2A-CGA	4.09	1.45	1.33
17	5	313	CLA	CHD-C4C	4.09	1.48	1.39
17	A	804	CLA	CHC-C1C	4.09	1.44	1.34
17	B	823	CLA	CHD-C1D	4.09	1.46	1.38
24	B	849	DGD	O2G-C1B	4.09	1.45	1.34
25	3	317	5X6	C23-C22	4.09	1.54	1.46
17	A	814	CLA	C1D-ND	4.09	1.43	1.37
17	A	812	CLA	O2D-CGD	4.09	1.43	1.33
17	A	837	CLA	O2D-CGD	4.09	1.43	1.33
25	5	315	5X6	C16-C17	4.09	1.54	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	1	314	5X6	C16-C17	4.09	1.54	1.46
25	2	320	5X6	C24-C25	4.08	1.55	1.43
17	1	307	CLA	CHD-C4C	4.08	1.48	1.39
17	3	308	CLA	CHD-C4C	4.08	1.48	1.39
17	B	822	CLA	C3D-C2D	4.08	1.50	1.39
17	A	832	CLA	CHC-C1C	4.08	1.44	1.34
17	1	303	CLA	CHD-C4C	4.07	1.48	1.39
17	B	832	CLA	CHD-C1D	4.06	1.46	1.38
17	2	307	CLA	CHD-C1D	4.06	1.46	1.38
17	K	102	CLA	CHD-C1D	4.06	1.46	1.38
17	B	836	CLA	O2A-CGA	4.06	1.45	1.33
25	4	314	5X6	C24-C25	4.05	1.55	1.43
17	K	103	CLA	C1D-ND	4.05	1.43	1.37
17	3	306	CLA	CHD-C1D	4.05	1.46	1.38
25	1	312	5X6	C23-C22	4.05	1.54	1.46
25	1	312	5X6	C19-C18	4.05	1.55	1.43
25	5	317	5X6	C15-C14	4.05	1.55	1.43
25	1	315	5X6	C24-C25	4.05	1.55	1.43
25	1	313	5X6	C19-C18	4.05	1.55	1.43
17	5	312	CLA	CHD-C4C	4.04	1.48	1.39
17	B	841	CLA	CHD-C4C	4.04	1.48	1.39
17	L	203	CLA	C1D-ND	4.04	1.43	1.37
17	A	820	CLA	C3D-C2D	4.03	1.50	1.39
25	3	316	5X6	C15-C14	4.03	1.55	1.43
17	A	836	CLA	C3D-C2D	4.03	1.50	1.39
17	5	307	CLA	C1D-ND	4.03	1.43	1.37
17	A	836	CLA	CHD-C1D	4.03	1.46	1.38
17	5	304	CLA	CHD-C4C	4.02	1.48	1.39
17	B	825	CLA	C3C-C2C	4.02	1.45	1.36
16	A	801	CL0	O2D-CGD	4.02	1.43	1.33
25	F	205	5X6	C27-C26	4.02	1.54	1.46
25	5	318	5X6	C24-C25	4.02	1.55	1.43
17	1	302	CLA	CHD-C1D	4.02	1.46	1.38
17	1	302	CLA	C1D-ND	4.02	1.43	1.37
25	2	317	5X6	C19-C18	4.02	1.55	1.43
25	3	318	5X6	C24-C25	4.02	1.55	1.43
17	3	306	CLA	CHD-C4C	4.02	1.48	1.39
17	A	811	CLA	O2D-CGD	4.02	1.43	1.33
25	3	316	5X6	C24-C25	4.01	1.55	1.43
17	A	813	CLA	CHD-C1D	4.01	1.46	1.38
17	2	306	CLA	CHD-C4C	4.01	1.48	1.39
17	1	304	CLA	CHD-C4C	4.01	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	B	830	CLA	O2D-CGD	4.01	1.43	1.33
17	B	820	CLA	CHD-C4C	4.01	1.48	1.39
25	3	318	5X6	C33-C32	4.01	1.58	1.52
17	B	819	CLA	O2A-CGA	4.00	1.45	1.33
17	1	308	CLA	CHD-C1D	4.00	1.46	1.38
25	5	317	5X6	C20-C21	4.00	1.55	1.43
25	1	313	5X6	C15-C14	4.00	1.55	1.43
25	2	321	5X6	C24-C25	4.00	1.55	1.43
25	4	313	5X6	C15-C14	3.99	1.55	1.43
17	A	853	CLA	CHD-C1D	3.99	1.46	1.38
25	5	301	5X6	C20-C21	3.99	1.55	1.43
25	1	315	5X6	C19-C18	3.99	1.55	1.43
25	3	318	5X6	C19-C18	3.99	1.55	1.43
25	5	317	5X6	C19-C18	3.99	1.55	1.43
17	A	838	CLA	O2A-CGA	3.99	1.45	1.33
17	A	815	CLA	C1D-ND	3.99	1.43	1.37
17	A	812	CLA	OBD-CAD	3.98	1.29	1.22
17	3	311	CLA	CHD-C1D	3.98	1.46	1.38
17	1	302	CLA	CHD-C4C	3.98	1.48	1.39
25	5	315	5X6	C24-C25	3.98	1.55	1.43
25	4	313	5X6	C24-C25	3.98	1.55	1.43
25	5	301	5X6	C24-C25	3.98	1.55	1.43
17	A	834	CLA	C1D-ND	3.98	1.43	1.37
25	5	315	5X6	C19-C18	3.98	1.55	1.43
17	B	840	CLA	O2A-CGA	3.98	1.44	1.33
25	1	312	5X6	C15-C14	3.97	1.55	1.43
25	2	319	5X6	C33-C32	3.97	1.57	1.52
25	2	319	5X6	C24-C25	3.97	1.55	1.43
25	3	317	5X6	C19-C18	3.97	1.55	1.43
17	B	812	CLA	CHD-C1D	3.97	1.46	1.38
17	A	836	CLA	O2A-CGA	3.97	1.44	1.33
17	A	816	CLA	O2A-CGA	3.97	1.44	1.33
17	B	807	CLA	O2A-CGA	3.97	1.44	1.33
25	4	312	5X6	C20-C21	3.97	1.55	1.43
25	3	317	5X6	C24-C25	3.97	1.55	1.43
25	5	316	5X6	C33-C32	3.97	1.57	1.52
25	4	314	5X6	C15-C14	3.96	1.55	1.43
17	5	309	CLA	CHD-C4C	3.96	1.48	1.39
17	2	305	CLA	CHD-C1D	3.96	1.46	1.38
25	3	318	5X6	C15-C14	3.96	1.55	1.43
17	B	841	CLA	O2A-CGA	3.96	1.44	1.33
25	1	315	5X6	C15-C14	3.96	1.55	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	3	310	CLA	CHD-C4C	3.95	1.48	1.39
17	B	806	CLA	O2A-CGA	3.95	1.44	1.33
25	5	301	5X6	C15-C14	3.95	1.55	1.43
17	A	829	CLA	C3B-C2B	3.95	1.45	1.40
17	2	306	CLA	CHD-C1D	3.95	1.46	1.38
17	K	102	CLA	CHD-C4C	3.95	1.48	1.39
17	2	308	CLA	C3D-C2D	3.95	1.49	1.39
17	L	202	CLA	CHD-C1D	3.95	1.46	1.38
25	4	314	5X6	C20-C21	3.95	1.55	1.43
17	A	834	CLA	C3D-C2D	3.95	1.49	1.39
25	4	312	5X6	C15-C14	3.94	1.55	1.43
25	3	316	5X6	C33-C32	3.94	1.57	1.52
17	B	816	CLA	CHD-C4C	3.94	1.48	1.39
25	4	312	5X6	C24-C25	3.94	1.55	1.43
25	1	316	5X6	C19-C18	3.94	1.55	1.43
25	2	317	5X6	C15-C14	3.94	1.55	1.43
25	1	315	5X6	C20-C21	3.93	1.55	1.43
25	1	316	5X6	C15-C14	3.93	1.55	1.43
25	1	316	5X6	C24-C25	3.93	1.55	1.43
25	1	314	5X6	C24-C25	3.93	1.55	1.43
17	B	816	CLA	CHD-C1D	3.93	1.46	1.38
25	1	312	5X6	C24-C25	3.92	1.55	1.43
25	1	313	5X6	C24-C25	3.92	1.55	1.43
17	J	103	CLA	CHD-C1D	3.92	1.46	1.38
17	A	825	CLA	O2A-CGA	3.92	1.44	1.33
25	5	318	5X6	C19-C18	3.92	1.55	1.43
17	B	827	CLA	O2A-CGA	3.92	1.44	1.33
17	5	312	CLA	C3D-C2D	3.92	1.49	1.39
17	5	306	CLA	C3D-C2D	3.92	1.49	1.39
25	2	318	5X6	C19-C18	3.92	1.55	1.43
17	A	824	CLA	O2A-CGA	3.92	1.44	1.33
25	1	316	5X6	C20-C21	3.91	1.55	1.43
17	F	203	CLA	CHD-C1D	3.91	1.46	1.38
25	1	313	5X6	C33-C32	3.91	1.57	1.52
17	B	802	CLA	O2D-CGD	3.91	1.42	1.33
17	2	311	CLA	CHD-C1D	3.91	1.46	1.38
25	2	320	5X6	C15-C14	3.91	1.55	1.43
17	1	305	CLA	C3D-C2D	3.91	1.49	1.39
17	2	312	CLA	C3D-C2D	3.91	1.49	1.39
25	1	312	5X6	C33-C32	3.91	1.57	1.52
17	A	814	CLA	CHD-C1D	3.91	1.46	1.38
17	B	817	CLA	CHD-C4C	3.91	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	A	808	CLA	C3D-C2D	3.90	1.49	1.39
17	L	204	CLA	CHD-C4C	3.90	1.48	1.39
17	A	818	CLA	C1D-ND	3.90	1.43	1.37
25	5	316	5X6	C23-C22	3.90	1.54	1.46
25	4	313	5X6	C20-C21	3.89	1.55	1.43
17	4	309	CLA	C3D-C2D	3.89	1.49	1.39
25	1	313	5X6	C20-C21	3.89	1.55	1.43
17	A	803	CLA	O2A-CGA	3.89	1.44	1.33
17	A	832	CLA	O2A-CGA	3.89	1.44	1.33
17	4	306	CLA	C3D-C2D	3.89	1.49	1.39
25	1	315	5X6	C33-C32	3.89	1.57	1.52
25	3	317	5X6	C33-C32	3.89	1.57	1.52
25	2	321	5X6	C15-C14	3.89	1.55	1.43
17	B	835	CLA	C3D-C2D	3.89	1.49	1.39
25	2	320	5X6	C19-C18	3.88	1.55	1.43
17	L	203	CLA	CHD-C1D	3.88	1.46	1.38
25	5	301	5X6	C33-C32	3.88	1.57	1.52
17	A	806	CLA	C3C-C2C	3.88	1.45	1.36
17	A	825	CLA	C1D-ND	3.88	1.43	1.37
17	3	312	CLA	C3D-C2D	3.88	1.49	1.39
17	B	841	CLA	CHD-C1D	3.88	1.46	1.38
25	2	318	5X6	C20-C21	3.88	1.55	1.43
17	3	315	CLA	OBD-CAD	3.88	1.29	1.22
25	1	314	5X6	C19-C18	3.88	1.55	1.43
17	B	822	CLA	CHD-C4C	3.88	1.48	1.39
25	4	312	5X6	C19-C18	3.88	1.55	1.43
17	A	852	CLA	O2A-CGA	3.88	1.44	1.33
17	5	311	CLA	C3D-C2D	3.88	1.49	1.39
17	O	204	CLA	OBD-CAD	3.88	1.29	1.22
17	5	309	CLA	CHD-C1D	3.87	1.46	1.38
25	3	317	5X6	C15-C14	3.87	1.55	1.43
17	3	308	CLA	OBD-CAD	3.87	1.29	1.22
17	1	311	CLA	C3D-C2D	3.87	1.49	1.39
17	5	302	CLA	C3D-C2D	3.87	1.49	1.39
17	1	308	CLA	C3D-C2D	3.87	1.49	1.39
17	B	809	CLA	O2A-CGA	3.87	1.44	1.33
17	4	310	CLA	C3D-C2D	3.87	1.49	1.39
17	B	821	CLA	CHD-C4C	3.87	1.48	1.39
25	2	318	5X6	C23-C22	3.87	1.54	1.46
17	A	811	CLA	O2A-CGA	3.86	1.44	1.33
17	B	801	CLA	O2A-CGA	3.86	1.44	1.33
17	4	304	CLA	C3D-C2D	3.86	1.49	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	B	814	CLA	O2A-CGA	3.86	1.44	1.33
17	A	831	CLA	C3D-C2D	3.86	1.49	1.39
17	1	301	CLA	C3D-C2D	3.86	1.49	1.39
17	B	839	CLA	C1D-ND	3.86	1.42	1.37
17	A	834	CLA	CHD-C4C	3.86	1.48	1.39
17	L	202	CLA	CHD-C4C	3.86	1.48	1.39
17	3	315	CLA	C3D-C2D	3.85	1.49	1.39
17	A	815	CLA	CHD-C4C	3.85	1.48	1.39
17	1	310	CLA	C3D-C2D	3.85	1.49	1.39
17	A	807	CLA	O2A-CGA	3.85	1.44	1.33
17	O	203	CLA	C3D-C2D	3.85	1.49	1.39
17	5	307	CLA	C3D-C2D	3.85	1.49	1.39
17	B	831	CLA	CHD-C1D	3.85	1.45	1.38
25	3	318	5X6	C20-C21	3.85	1.55	1.43
17	2	313	CLA	OBD-CAD	3.84	1.29	1.22
17	O	205	CLA	C3D-C2D	3.84	1.49	1.39
17	3	313	CLA	C3D-C2D	3.84	1.49	1.39
17	5	307	CLA	CHD-C4C	3.84	1.47	1.39
25	5	318	5X6	C15-C14	3.84	1.55	1.43
17	5	310	CLA	C3D-C2D	3.84	1.49	1.39
17	A	806	CLA	O2A-CGA	3.84	1.44	1.33
17	A	830	CLA	C3D-C2D	3.84	1.49	1.39
17	A	818	CLA	CHD-C4C	3.83	1.47	1.39
17	1	302	CLA	C3D-C2D	3.83	1.49	1.39
25	5	318	5X6	C20-C21	3.83	1.55	1.43
17	2	315	CLA	C3D-C2D	3.83	1.49	1.39
17	2	315	CLA	OBD-CAD	3.83	1.29	1.22
17	2	309	CLA	C3D-C2D	3.83	1.49	1.39
17	5	303	CLA	OBD-CAD	3.83	1.29	1.22
17	F	204	CLA	C3D-C2D	3.83	1.49	1.39
17	2	313	CLA	C3D-C2D	3.83	1.49	1.39
25	2	320	5X6	C20-C21	3.82	1.55	1.43
16	A	801	CL0	O2A-CGA	3.82	1.44	1.33
17	3	309	CLA	C3D-C2D	3.82	1.49	1.39
17	4	307	CLA	C3D-C2D	3.82	1.49	1.39
17	A	813	CLA	CHD-C4C	3.82	1.47	1.39
17	B	831	CLA	C1D-ND	3.82	1.42	1.37
17	5	314	CLA	C3D-C2D	3.82	1.49	1.39
17	B	822	CLA	CHD-C1D	3.82	1.45	1.38
25	2	317	5X6	C20-C21	3.82	1.55	1.43
17	A	815	CLA	C3D-C2D	3.82	1.49	1.39
17	3	314	CLA	C3D-C2D	3.82	1.49	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	A	828	CLA	CHC-C1C	3.82	1.44	1.34
17	1	311	CLA	OBD-CAD	3.82	1.29	1.22
17	3	305	CLA	C3D-C2D	3.82	1.49	1.39
17	2	310	CLA	C3D-C2D	3.82	1.49	1.39
17	3	307	CLA	C3D-C2D	3.82	1.49	1.39
17	2	309	CLA	OBD-CAD	3.82	1.29	1.22
17	A	821	CLA	CHD-C1D	3.81	1.45	1.38
17	1	307	CLA	C3D-C2D	3.81	1.49	1.39
17	A	859	CLA	C1D-ND	3.81	1.42	1.37
17	A	833	CLA	C3D-C2D	3.81	1.49	1.39
17	1	307	CLA	CHD-C1D	3.81	1.45	1.38
17	2	314	CLA	C3D-C2D	3.81	1.49	1.39
17	A	822	CLA	C1D-ND	3.81	1.42	1.37
17	2	304	CLA	C3D-C2D	3.81	1.49	1.39
17	5	314	CLA	OBD-CAD	3.81	1.29	1.22
17	5	303	CLA	C3D-C2D	3.81	1.49	1.39
25	2	321	5X6	C19-C18	3.81	1.55	1.43
17	2	304	CLA	OBD-CAD	3.80	1.29	1.22
17	O	203	CLA	OBD-CAD	3.80	1.29	1.22
17	B	826	CLA	O2A-CGA	3.80	1.44	1.33
17	F	203	CLA	C1D-ND	3.80	1.42	1.37
25	3	317	5X6	C20-C21	3.80	1.55	1.43
17	A	817	CLA	C3D-C2D	3.80	1.49	1.39
17	5	309	CLA	C3D-C2D	3.80	1.49	1.39
17	4	309	CLA	OBD-CAD	3.80	1.29	1.22
17	5	305	CLA	OBD-CAD	3.80	1.29	1.22
17	5	311	CLA	OBD-CAD	3.80	1.29	1.22
17	4	311	CLA	C3D-C2D	3.80	1.49	1.39
17	B	823	CLA	CHD-C4C	3.79	1.47	1.39
17	2	316	CLA	C3D-C2D	3.79	1.49	1.39
17	A	802	CLA	CHD-C1D	3.79	1.45	1.38
17	1	305	CLA	OBD-CAD	3.79	1.29	1.22
17	4	310	CLA	OBD-CAD	3.79	1.29	1.22
25	4	312	5X6	C33-C32	3.79	1.57	1.52
17	B	808	CLA	C1D-ND	3.79	1.42	1.37
17	A	853	CLA	O2D-CGD	3.79	1.42	1.33
17	B	812	CLA	O2A-CGA	3.79	1.44	1.33
17	4	308	CLA	C3D-C2D	3.79	1.49	1.39
17	5	308	CLA	C3D-C2D	3.79	1.49	1.39
17	4	311	CLA	OBD-CAD	3.79	1.29	1.22
17	B	837	CLA	CHD-C1D	3.78	1.45	1.38
17	B	835	CLA	CHD-C1D	3.78	1.45	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	L	202	CLA	OBD-CAD	3.78	1.29	1.22
17	3	311	CLA	C3D-C2D	3.78	1.49	1.39
17	A	814	CLA	CHD-C4C	3.78	1.47	1.39
25	1	316	5X6	C28-C29	3.78	1.58	1.45
17	3	310	CLA	C3D-C2D	3.78	1.49	1.39
17	O	204	CLA	C3D-C2D	3.78	1.49	1.39
17	1	309	CLA	C3D-C2D	3.78	1.49	1.39
17	B	821	CLA	C1D-ND	3.77	1.42	1.37
17	2	314	CLA	OBD-CAD	3.77	1.29	1.22
17	J	103	CLA	C1D-ND	3.77	1.42	1.37
25	1	315	5X6	C28-C29	3.76	1.57	1.45
17	A	819	CLA	C1D-ND	3.76	1.42	1.37
17	A	818	CLA	CHD-C1D	3.76	1.45	1.38
17	B	820	CLA	C3D-C2D	3.76	1.49	1.39
17	4	303	CLA	C3D-C2D	3.76	1.49	1.39
17	4	308	CLA	OBD-CAD	3.76	1.29	1.22
25	3	318	5X6	C28-C29	3.76	1.57	1.45
17	3	314	CLA	OBD-CAD	3.76	1.29	1.22
17	A	853	CLA	C3D-C2D	3.76	1.49	1.39
17	1	304	CLA	C3D-C2D	3.76	1.49	1.39
17	O	205	CLA	OBD-CAD	3.76	1.29	1.22
17	2	305	CLA	OBD-CAD	3.76	1.28	1.22
17	3	307	CLA	OBD-CAD	3.76	1.28	1.22
17	5	302	CLA	OBD-CAD	3.76	1.28	1.22
17	L	204	CLA	OBD-CAD	3.76	1.28	1.22
17	1	309	CLA	OBD-CAD	3.75	1.28	1.22
17	A	802	CLA	OBD-CAD	3.75	1.28	1.22
17	4	304	CLA	OBD-CAD	3.75	1.28	1.22
17	3	311	CLA	OBD-CAD	3.75	1.28	1.22
17	3	313	CLA	OBD-CAD	3.75	1.28	1.22
25	3	316	5X6	C20-C21	3.75	1.54	1.43
17	A	831	CLA	CHD-C1D	3.75	1.45	1.38
17	B	815	CLA	OBD-CAD	3.75	1.28	1.22
17	4	306	CLA	OBD-CAD	3.75	1.28	1.22
17	2	316	CLA	OBD-CAD	3.74	1.28	1.22
17	B	811	CLA	C3D-C2D	3.74	1.49	1.39
17	4	303	CLA	OBD-CAD	3.74	1.28	1.22
17	3	305	CLA	OBD-CAD	3.74	1.28	1.22
17	B	813	CLA	CHD-C4C	3.74	1.47	1.39
25	4	313	5X6	C33-C32	3.74	1.57	1.52
17	2	305	CLA	C3D-C2D	3.74	1.49	1.39
17	1	304	CLA	OBD-CAD	3.74	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	A	818	CLA	OBD-CAD	3.73	1.28	1.22
17	K	102	CLA	C3D-C2D	3.73	1.49	1.39
17	4	305	CLA	C3D-C2D	3.73	1.49	1.39
17	2	311	CLA	C3D-C2D	3.73	1.49	1.39
17	B	814	CLA	C1D-ND	3.73	1.42	1.37
17	B	832	CLA	C1D-ND	3.73	1.42	1.37
25	5	316	5X6	C19-C18	3.73	1.54	1.43
17	A	817	CLA	CHD-C1D	3.73	1.45	1.38
17	5	310	CLA	OBD-CAD	3.73	1.28	1.22
17	3	308	CLA	C3D-C2D	3.73	1.49	1.39
25	4	312	5X6	C28-C29	3.72	1.57	1.45
17	B	817	CLA	CHD-C1D	3.72	1.45	1.38
17	5	313	CLA	OBD-CAD	3.72	1.28	1.22
25	4	313	5X6	C28-C29	3.72	1.57	1.45
17	A	839	CLA	OBD-CAD	3.72	1.28	1.22
17	B	817	CLA	C3D-C2D	3.72	1.49	1.39
25	1	312	5X6	C20-C21	3.72	1.54	1.43
25	5	317	5X6	C28-C29	3.72	1.57	1.45
17	F	203	CLA	C3D-C2D	3.72	1.49	1.39
25	2	320	5X6	C28-C29	3.71	1.57	1.45
25	5	315	5X6	C15-C14	3.71	1.54	1.43
17	K	103	CLA	CHD-C1D	3.71	1.45	1.38
25	2	317	5X6	C28-C29	3.71	1.57	1.45
17	A	810	CLA	CHD-C1D	3.71	1.45	1.38
17	A	827	CLA	CHD-C1D	3.71	1.45	1.38
17	1	302	CLA	OBD-CAD	3.71	1.28	1.22
25	1	313	5X6	C05-C06	3.70	1.57	1.52
25	4	312	5X6	C05-C06	3.70	1.57	1.52
17	B	832	CLA	CHD-C4C	3.70	1.47	1.39
25	J	105	5X6	C23-C22	3.70	1.53	1.46
17	3	306	CLA	C3D-C2D	3.70	1.49	1.39
17	J	103	CLA	CHD-C4C	3.70	1.47	1.39
25	5	316	5X6	C16-C17	3.70	1.53	1.46
17	A	859	CLA	OBD-CAD	3.69	1.28	1.22
17	B	824	CLA	CHD-C4C	3.69	1.47	1.39
17	B	835	CLA	C1D-ND	3.69	1.42	1.37
25	2	318	5X6	C15-C14	3.69	1.54	1.43
17	L	202	CLA	C3D-C2D	3.69	1.49	1.39
17	2	308	CLA	OBD-CAD	3.69	1.28	1.22
17	1	306	CLA	C3D-C2D	3.69	1.49	1.39
25	1	314	5X6	C15-C14	3.69	1.54	1.43
25	2	321	5X6	C28-C29	3.68	1.57	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	1	312	5X6	C05-C06	3.68	1.57	1.52
17	2	312	CLA	OBD-CAD	3.68	1.28	1.22
17	B	806	CLA	CHD-C1D	3.68	1.45	1.38
25	1	316	5X6	C05-C06	3.68	1.57	1.52
17	A	816	CLA	CHD-C1D	3.68	1.45	1.38
17	B	841	CLA	C3D-C2D	3.68	1.49	1.39
17	B	832	CLA	C3D-C2D	3.68	1.49	1.39
17	B	801	CLA	CHD-C1D	3.68	1.45	1.38
25	2	318	5X6	C24-C25	3.68	1.54	1.43
17	1	307	CLA	OBD-CAD	3.67	1.28	1.22
25	2	319	5X6	C28-C29	3.67	1.57	1.45
17	B	813	CLA	CHD-C1D	3.67	1.45	1.38
17	5	304	CLA	C3D-C2D	3.67	1.49	1.39
17	A	827	CLA	O2A-CGA	3.67	1.44	1.33
17	A	820	CLA	CHD-C4C	3.67	1.47	1.39
17	5	312	CLA	OBD-CAD	3.67	1.28	1.22
17	B	821	CLA	C3D-C2D	3.67	1.49	1.39
17	A	809	CLA	C3D-C2D	3.67	1.49	1.39
17	B	814	CLA	C3D-C2D	3.66	1.49	1.39
25	1	315	5X6	C05-C06	3.66	1.57	1.52
17	A	839	CLA	C3D-C2D	3.66	1.49	1.39
17	B	806	CLA	C3D-C2D	3.66	1.49	1.39
17	3	312	CLA	OBD-CAD	3.66	1.28	1.22
17	3	309	CLA	OBD-CAD	3.66	1.28	1.22
17	A	826	CLA	C3D-C2D	3.66	1.49	1.39
17	A	814	CLA	OBD-CAD	3.66	1.28	1.22
17	A	815	CLA	CHD-C1D	3.65	1.45	1.38
17	5	306	CLA	OBD-CAD	3.65	1.28	1.22
25	4	314	5X6	C28-C29	3.64	1.57	1.45
17	A	852	CLA	C3D-C2D	3.64	1.48	1.39
17	B	816	CLA	OBD-CAD	3.64	1.28	1.22
17	B	815	CLA	C1D-ND	3.64	1.42	1.37
17	B	825	CLA	C1D-ND	3.64	1.42	1.37
17	B	835	CLA	CHD-C4C	3.64	1.47	1.39
25	3	316	5X6	C28-C29	3.64	1.57	1.45
17	K	103	CLA	CHD-C4C	3.64	1.47	1.39
17	4	307	CLA	OBD-CAD	3.63	1.28	1.22
17	B	834	CLA	CHD-C1D	3.63	1.45	1.38
17	1	310	CLA	OBD-CAD	3.63	1.28	1.22
17	A	832	CLA	CHD-C1D	3.62	1.45	1.38
25	1	312	5X6	C28-C29	3.62	1.57	1.45
17	A	831	CLA	CHD-C4C	3.62	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	B	829	CLA	O2A-CGA	3.62	1.43	1.33
20	A	845	BCR	C23-C22	-3.62	1.38	1.46
17	2	306	CLA	C3D-C2D	3.62	1.48	1.39
17	B	821	CLA	CHD-C1D	3.62	1.45	1.38
17	A	823	CLA	C1D-ND	3.62	1.42	1.37
25	5	315	5X6	C28-C29	3.62	1.57	1.45
17	A	803	CLA	CHD-C1D	3.61	1.45	1.38
17	B	834	CLA	C3D-C2D	3.61	1.48	1.39
17	B	831	CLA	C3D-C2D	3.61	1.48	1.39
17	B	816	CLA	C1D-ND	3.61	1.42	1.37
17	A	818	CLA	C3D-C2D	3.61	1.48	1.39
17	A	810	CLA	CHD-C4C	3.61	1.47	1.39
17	A	819	CLA	CHD-C1D	3.60	1.45	1.38
17	5	307	CLA	CHD-C1D	3.60	1.45	1.38
17	A	804	CLA	C3D-C2D	3.60	1.48	1.39
17	L	204	CLA	C3D-C2D	3.60	1.48	1.39
17	1	308	CLA	OBD-CAD	3.60	1.28	1.22
17	5	309	CLA	OBD-CAD	3.60	1.28	1.22
17	B	835	CLA	OBD-CAD	3.60	1.28	1.22
17	B	819	CLA	CHD-C1D	3.60	1.45	1.38
17	B	824	CLA	CHD-C1D	3.60	1.45	1.38
17	2	307	CLA	OBD-CAD	3.60	1.28	1.22
17	L	203	CLA	C3D-C2D	3.60	1.48	1.39
17	B	857	CLA	C3D-C2D	3.59	1.48	1.39
25	2	321	5X6	C20-C21	3.59	1.54	1.43
17	A	816	CLA	C1D-ND	3.59	1.42	1.37
17	B	818	CLA	C3D-C2D	3.59	1.48	1.39
25	4	314	5X6	C05-C06	3.59	1.57	1.52
17	B	828	CLA	C3D-C2D	3.59	1.48	1.39
17	B	829	CLA	CHD-C4C	3.59	1.47	1.39
25	F	205	5X6	C16-C17	3.59	1.53	1.46
17	A	837	CLA	C3D-C2D	3.58	1.48	1.39
17	A	829	CLA	C3D-C2D	3.58	1.48	1.39
17	1	303	CLA	C3D-C2D	3.58	1.48	1.39
17	A	820	CLA	CHD-C1D	3.58	1.45	1.38
17	1	301	CLA	OBD-CAD	3.58	1.28	1.22
17	A	808	CLA	C1D-ND	3.58	1.42	1.37
25	5	315	5X6	C20-C21	3.58	1.54	1.43
17	F	204	CLA	OBD-CAD	3.57	1.28	1.22
17	A	813	CLA	C1D-ND	3.57	1.42	1.37
17	A	830	CLA	C1D-ND	3.57	1.42	1.37
25	2	318	5X6	C28-C29	3.57	1.57	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	B	836	CLA	C3D-C2D	3.57	1.48	1.39
17	B	807	CLA	C3D-C2D	3.57	1.48	1.39
17	A	856	CLA	CHD-C4C	3.57	1.47	1.39
25	5	316	5X6	C15-C14	3.57	1.54	1.43
17	A	855	CLA	OBD-CAD	3.56	1.28	1.22
25	1	314	5X6	C05-C06	3.56	1.57	1.52
17	A	811	CLA	C3D-C2D	3.56	1.48	1.39
17	5	307	CLA	OBD-CAD	3.56	1.28	1.22
17	B	826	CLA	C3D-C2D	3.56	1.48	1.39
17	B	801	CLA	C3D-C2D	3.56	1.48	1.39
17	B	818	CLA	C1D-ND	3.56	1.42	1.37
17	A	805	CLA	C3D-C2D	3.56	1.48	1.39
25	1	314	5X6	C28-C29	3.56	1.57	1.45
17	L	203	CLA	OBD-CAD	3.55	1.28	1.22
17	K	103	CLA	C3D-C2D	3.55	1.48	1.39
25	5	301	5X6	C28-C29	3.55	1.57	1.45
17	2	311	CLA	OBD-CAD	3.55	1.28	1.22
17	B	837	CLA	C3D-C2D	3.55	1.48	1.39
25	J	105	5X6	C12-C13	3.55	1.53	1.46
17	A	826	CLA	C1C-NC	-3.55	1.32	1.37
17	A	802	CLA	CHD-C4C	3.55	1.47	1.39
17	A	814	CLA	C3D-C2D	3.54	1.48	1.39
17	A	805	CLA	C1D-ND	3.54	1.42	1.37
25	1	314	5X6	C20-C21	3.54	1.54	1.43
17	A	825	CLA	C3D-C2D	3.54	1.48	1.39
17	F	203	CLA	CHD-C4C	3.54	1.47	1.39
17	B	829	CLA	C3D-C2D	3.54	1.48	1.39
16	A	801	CL0	C3D-C2D	3.53	1.48	1.39
25	5	318	5X6	C28-C29	3.53	1.57	1.45
17	B	816	CLA	C3D-C2D	3.53	1.48	1.39
17	B	829	CLA	CHD-C1D	3.53	1.45	1.38
25	3	317	5X6	C28-C29	3.52	1.57	1.45
17	A	835	CLA	CHD-C1D	3.52	1.45	1.38
25	5	318	5X6	C05-C06	3.52	1.57	1.52
17	B	824	CLA	C3D-C2D	3.52	1.48	1.39
17	A	819	CLA	C3D-C2D	3.52	1.48	1.39
17	B	823	CLA	C3D-C2D	3.51	1.48	1.39
17	B	824	CLA	OBD-CAD	3.51	1.28	1.22
17	A	820	CLA	C1D-ND	3.51	1.42	1.37
25	5	316	5X6	C05-C06	3.51	1.57	1.52
17	B	834	CLA	C1D-ND	3.51	1.42	1.37
17	5	313	CLA	C3D-C2D	3.51	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	3	316	5X6	C05-C06	3.51	1.57	1.52
17	B	815	CLA	CHD-C4C	3.50	1.47	1.39
17	B	804	CLA	O2A-CGA	3.50	1.43	1.33
17	B	804	CLA	C3D-C2D	3.50	1.48	1.39
17	A	811	CLA	C1D-ND	3.50	1.42	1.37
17	A	809	CLA	CHD-C4C	3.50	1.47	1.39
17	J	103	CLA	C3D-C2D	3.49	1.48	1.39
17	A	812	CLA	CHD-C4C	3.49	1.47	1.39
17	L	203	CLA	CHD-C4C	3.49	1.47	1.39
17	A	859	CLA	C3D-C2D	3.49	1.48	1.39
25	2	321	5X6	C05-C06	3.49	1.57	1.52
17	B	814	CLA	CHD-C1D	3.49	1.45	1.38
17	5	305	CLA	C3D-C2D	3.48	1.48	1.39
17	2	307	CLA	C3D-C2D	3.47	1.48	1.39
17	A	853	CLA	O2A-CGA	3.47	1.43	1.33
17	A	829	CLA	CHD-C4C	3.47	1.47	1.39
20	A	846	BCR	C23-C22	-3.47	1.38	1.46
17	A	859	CLA	CHD-C4C	3.46	1.47	1.39
17	A	821	CLA	C3D-C2D	3.46	1.48	1.39
17	A	808	CLA	CHD-C4C	3.46	1.47	1.39
25	4	313	5X6	C05-C06	3.46	1.57	1.52
25	J	105	5X6	C16-C17	3.46	1.53	1.46
17	B	818	CLA	CHD-C1D	3.46	1.45	1.38
17	A	854	CLA	O2A-CGA	3.45	1.43	1.33
17	K	102	CLA	OBD-CAD	3.45	1.28	1.22
17	B	815	CLA	CHD-C1D	3.45	1.45	1.38
25	5	315	5X6	C05-C06	3.45	1.57	1.52
17	B	810	CLA	C3D-C2D	3.45	1.48	1.39
17	B	838	CLA	C3D-C2D	3.45	1.48	1.39
17	B	821	CLA	OBD-CAD	3.45	1.28	1.22
17	A	817	CLA	O2A-CGA	3.45	1.43	1.33
17	B	805	CLA	CHD-C4C	3.45	1.47	1.39
25	J	105	5X6	C20-C21	3.44	1.53	1.43
17	B	822	CLA	OBD-CAD	3.44	1.28	1.22
25	J	105	5X6	C24-C25	3.44	1.53	1.43
17	B	840	CLA	C3D-C2D	3.44	1.48	1.39
17	2	310	CLA	OBD-CAD	3.44	1.28	1.22
17	A	833	CLA	CHD-C1D	3.44	1.45	1.38
17	A	829	CLA	CHD-C1D	3.43	1.45	1.38
25	J	105	5X6	C05-C06	3.43	1.57	1.52
17	A	805	CLA	CHD-C4C	3.43	1.47	1.39
25	5	317	5X6	C05-C06	3.43	1.57	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	B	811	CLA	CHD-C1D	3.43	1.45	1.38
17	B	825	CLA	CHD-C1D	3.43	1.45	1.38
17	B	813	CLA	C3D-C2D	3.43	1.48	1.39
17	A	808	CLA	CHD-C1D	3.42	1.45	1.38
17	B	812	CLA	CHD-C4C	3.42	1.47	1.39
17	B	831	CLA	CHD-C4C	3.42	1.47	1.39
17	1	306	CLA	OBD-CAD	3.42	1.28	1.22
20	O	202	BCR	C23-C22	-3.42	1.38	1.46
17	A	813	CLA	C3D-C2D	3.42	1.48	1.39
20	B	848	BCR	C23-C22	-3.42	1.38	1.46
17	B	820	CLA	OBD-CAD	3.41	1.28	1.22
17	B	838	CLA	CHD-C1D	3.41	1.45	1.38
25	5	316	5X6	C24-C25	3.41	1.53	1.43
17	B	836	CLA	CHD-C1D	3.41	1.45	1.38
17	B	838	CLA	CHD-C4C	3.41	1.47	1.39
17	B	812	CLA	C1D-ND	3.41	1.42	1.37
17	A	836	CLA	CHD-C4C	3.41	1.47	1.39
17	A	830	CLA	OBD-CAD	3.41	1.28	1.22
17	A	830	CLA	CHD-C1D	3.41	1.45	1.38
17	A	839	CLA	C1D-ND	3.40	1.42	1.37
17	A	807	CLA	OBD-CAD	3.40	1.28	1.22
17	B	826	CLA	CHD-C4C	3.40	1.46	1.39
17	A	822	CLA	OBD-CAD	3.40	1.28	1.22
17	A	828	CLA	OBD-CAD	3.39	1.28	1.22
17	B	815	CLA	C3D-C2D	3.39	1.48	1.39
17	B	807	CLA	CHD-C4C	3.38	1.46	1.39
17	A	807	CLA	CHD-C1D	3.38	1.45	1.38
17	B	810	CLA	C1D-ND	3.38	1.42	1.37
17	3	306	CLA	OBD-CAD	3.38	1.28	1.22
25	1	313	5X6	C28-C29	3.37	1.56	1.45
17	B	808	CLA	CHD-C1D	3.37	1.45	1.38
17	A	852	CLA	OBD-CAD	3.37	1.28	1.22
17	B	825	CLA	C3D-C2D	3.37	1.48	1.39
17	5	308	CLA	OBD-CAD	3.37	1.28	1.22
17	A	833	CLA	CHD-C4C	3.37	1.46	1.39
17	A	802	CLA	C3D-C2D	3.37	1.48	1.39
17	B	802	CLA	C3D-C2D	3.36	1.48	1.39
17	4	305	CLA	OBD-CAD	3.36	1.28	1.22
17	3	310	CLA	OBD-CAD	3.36	1.28	1.22
20	A	844	BCR	C8-C9	-3.36	1.38	1.46
25	2	318	5X6	C05-C06	3.36	1.57	1.52
17	B	841	CLA	OBD-CAD	3.35	1.28	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	2	319	5X6	C11-C03	3.35	1.56	1.45
17	B	809	CLA	CHD-C1D	3.35	1.44	1.38
17	B	826	CLA	CHD-C1D	3.35	1.44	1.38
17	J	103	CLA	OBD-CAD	3.35	1.28	1.22
25	5	316	5X6	C20-C21	3.34	1.53	1.43
17	A	812	CLA	C3D-C2D	3.34	1.48	1.39
17	A	816	CLA	C3D-C2D	3.34	1.48	1.39
17	A	820	CLA	OBD-CAD	3.34	1.28	1.22
17	A	822	CLA	C3D-C2D	3.34	1.48	1.39
20	O	202	BCR	C8-C9	-3.33	1.38	1.46
17	B	801	CLA	CHD-C4C	3.33	1.46	1.39
17	A	804	CLA	CHD-C1D	3.33	1.44	1.38
17	A	853	CLA	CHD-C4C	3.33	1.46	1.39
17	A	831	CLA	C1D-ND	3.33	1.42	1.37
17	A	817	CLA	C1D-ND	3.32	1.42	1.37
17	A	808	CLA	OBD-CAD	3.32	1.28	1.22
17	B	812	CLA	C3D-C2D	3.32	1.48	1.39
17	A	821	CLA	C1D-ND	3.32	1.42	1.37
25	5	301	5X6	C05-C06	3.31	1.57	1.52
17	A	821	CLA	CHD-C4C	3.31	1.46	1.39
17	A	830	CLA	CHD-C4C	3.31	1.46	1.39
17	B	805	CLA	OBD-CAD	3.31	1.28	1.22
17	B	857	CLA	CHD-C1D	3.31	1.44	1.38
25	F	205	5X6	C19-C18	3.30	1.53	1.43
17	B	805	CLA	C3D-C2D	3.30	1.48	1.39
17	B	838	CLA	C1D-ND	3.29	1.42	1.37
17	B	818	CLA	CHD-C4C	3.29	1.46	1.39
25	5	316	5X6	C28-C29	3.29	1.56	1.45
17	A	809	CLA	OBD-CAD	3.29	1.28	1.22
17	A	803	CLA	OBD-CAD	3.28	1.28	1.22
25	F	205	5X6	C23-C22	3.28	1.53	1.46
17	A	859	CLA	CHD-C1D	3.28	1.44	1.38
25	J	105	5X6	C15-C14	3.28	1.53	1.43
17	A	856	CLA	CHD-C1D	3.28	1.44	1.38
17	B	812	CLA	OBD-CAD	3.28	1.28	1.22
17	A	837	CLA	CHD-C4C	3.28	1.46	1.39
17	A	810	CLA	C3D-C2D	3.27	1.47	1.39
25	J	105	5X6	C33-C32	3.27	1.56	1.52
17	B	834	CLA	CHD-C4C	3.27	1.46	1.39
17	A	803	CLA	C3D-C2D	3.27	1.47	1.39
17	A	835	CLA	C3D-C2D	3.27	1.47	1.39
25	J	105	5X6	C19-C18	3.26	1.53	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	2	317	5X6	C05-C06	3.26	1.56	1.52
17	A	855	CLA	C1D-ND	3.26	1.42	1.37
25	3	317	5X6	C05-C06	3.26	1.56	1.52
17	A	805	CLA	CHD-C1D	3.25	1.44	1.38
17	B	857	CLA	CHD-C4C	3.25	1.46	1.39
17	B	805	CLA	CHD-C1D	3.25	1.44	1.38
17	A	828	CLA	C3D-C2D	3.25	1.47	1.39
17	A	824	CLA	CHD-C4C	3.25	1.46	1.39
17	B	811	CLA	CHD-C4C	3.25	1.46	1.39
17	A	837	CLA	C1D-ND	3.25	1.42	1.37
17	A	819	CLA	CHD-C4C	3.24	1.46	1.39
17	B	837	CLA	CHD-C4C	3.24	1.46	1.39
25	2	320	5X6	C11-C03	3.24	1.56	1.45
17	B	833	CLA	CHD-C4C	3.24	1.46	1.39
25	3	318	5X6	C05-C06	3.24	1.56	1.52
17	B	840	CLA	OBD-CAD	3.23	1.28	1.22
17	A	854	CLA	C3D-C2D	3.23	1.47	1.39
17	B	808	CLA	C3D-C2D	3.23	1.47	1.39
20	J	104	BCR	C23-C22	-3.23	1.39	1.46
17	A	835	CLA	CHD-C4C	3.23	1.46	1.39
17	B	819	CLA	C1D-ND	3.23	1.42	1.37
17	B	839	CLA	CHD-C4C	3.23	1.46	1.39
17	B	824	CLA	C1D-ND	3.23	1.42	1.37
17	A	838	CLA	C3D-C2D	3.22	1.47	1.39
17	B	827	CLA	C3D-C2D	3.22	1.47	1.39
17	A	811	CLA	OBD-CAD	3.22	1.28	1.22
17	A	804	CLA	CHD-C4C	3.22	1.46	1.39
17	B	808	CLA	CHD-C4C	3.22	1.46	1.39
17	B	830	CLA	CHD-C1D	3.22	1.44	1.38
17	A	825	CLA	C1C-NC	-3.21	1.32	1.37
17	B	827	CLA	CHD-C4C	3.21	1.46	1.39
17	B	807	CLA	CHD-C1D	3.21	1.44	1.38
17	B	804	CLA	C1D-ND	3.20	1.42	1.37
20	A	857	BCR	C12-C13	-3.19	1.39	1.46
17	B	817	CLA	OBD-CAD	3.19	1.28	1.22
17	B	819	CLA	CHD-C4C	3.19	1.46	1.39
17	A	838	CLA	CHD-C1D	3.18	1.44	1.38
20	I	101	BCR	C8-C9	-3.18	1.39	1.46
17	A	828	CLA	C1C-NC	-3.18	1.32	1.37
17	B	839	CLA	CHD-C1D	3.18	1.44	1.38
20	L	201	BCR	C23-C22	-3.18	1.39	1.46
17	K	103	CLA	OBD-CAD	3.17	1.27	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	A	827	CLA	C3D-C2D	3.17	1.47	1.39
17	A	855	CLA	CHD-C4C	3.17	1.46	1.39
17	B	810	CLA	CHD-C4C	3.17	1.46	1.39
17	A	817	CLA	CHD-C4C	3.17	1.46	1.39
16	A	801	CL0	CHD-C4C	3.16	1.46	1.39
17	B	806	CLA	C1D-ND	3.16	1.42	1.37
17	A	806	CLA	C3D-C2D	3.16	1.47	1.39
17	A	854	CLA	OBD-CAD	3.16	1.27	1.22
25	J	105	5X6	C28-C29	3.16	1.55	1.45
17	B	836	CLA	CHD-C4C	3.16	1.46	1.39
17	B	839	CLA	C3D-C2D	3.15	1.47	1.39
17	A	824	CLA	C3D-C2D	3.15	1.47	1.39
17	B	830	CLA	C3D-C2D	3.15	1.47	1.39
20	A	843	BCR	C23-C22	-3.15	1.39	1.46
17	A	819	CLA	OBD-CAD	3.14	1.27	1.22
17	B	806	CLA	OBD-CAD	3.14	1.27	1.22
25	2	318	5X6	C11-C03	3.14	1.55	1.45
17	A	832	CLA	C3D-C4D	-3.14	1.37	1.44
17	B	814	CLA	CHD-C4C	3.14	1.46	1.39
17	A	839	CLA	C1C-NC	-3.14	1.32	1.37
17	B	805	CLA	C1D-ND	3.14	1.42	1.37
17	B	818	CLA	OBD-CAD	3.14	1.27	1.22
20	A	845	BCR	C8-C9	-3.14	1.39	1.46
17	B	809	CLA	C3D-C2D	3.14	1.47	1.39
17	A	834	CLA	OBD-CAD	3.14	1.27	1.22
17	B	832	CLA	OBD-CAD	3.13	1.27	1.22
17	F	204	CLA	C4C-C3C	3.13	1.50	1.45
20	A	857	BCR	C8-C9	-3.13	1.39	1.46
17	B	804	CLA	CHD-C1D	3.12	1.44	1.38
17	1	305	CLA	C4C-C3C	3.12	1.50	1.45
17	A	805	CLA	OBD-CAD	3.11	1.27	1.22
20	M	101	BCR	C10-C9	3.11	1.43	1.35
25	4	314	5X6	C11-C03	3.11	1.55	1.45
17	A	815	CLA	OBD-CAD	3.11	1.27	1.22
17	B	806	CLA	CHD-C4C	3.11	1.46	1.39
17	A	832	CLA	OBD-CAD	3.11	1.27	1.22
17	A	822	CLA	C1C-NC	-3.11	1.33	1.37
17	A	832	CLA	CHD-C4C	3.10	1.46	1.39
17	B	819	CLA	C1C-NC	-3.10	1.33	1.37
17	A	813	CLA	OBD-CAD	3.10	1.27	1.22
17	A	812	CLA	CHD-C1D	3.10	1.44	1.38
17	B	810	CLA	OBD-CAD	3.10	1.27	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	5	304	CLA	OBD-CAD	3.10	1.27	1.22
17	A	856	CLA	C3D-C2D	3.10	1.47	1.39
17	B	802	CLA	OBD-CAD	3.10	1.27	1.22
20	A	846	BCR	C12-C13	-3.10	1.39	1.46
16	A	801	CL0	OBD-CAD	3.09	1.27	1.22
17	B	802	CLA	CHD-C1D	3.09	1.44	1.38
25	5	301	5X6	C11-C03	3.09	1.55	1.45
17	A	855	CLA	C3D-C2D	3.09	1.47	1.39
17	2	306	CLA	OBD-CAD	3.09	1.27	1.22
25	1	315	5X6	C11-C03	3.08	1.55	1.45
25	F	205	5X6	C24-C25	3.08	1.52	1.43
17	B	806	CLA	C1C-NC	-3.08	1.33	1.37
17	2	308	CLA	C4C-C3C	3.08	1.50	1.45
17	A	822	CLA	CHD-C1D	3.08	1.44	1.38
17	A	822	CLA	CHD-C4C	3.06	1.46	1.39
17	A	856	CLA	OBD-CAD	3.06	1.27	1.22
17	B	814	CLA	OBD-CAD	3.06	1.27	1.22
17	B	823	CLA	OBD-CAD	3.06	1.27	1.22
17	A	803	CLA	CHD-C4C	3.06	1.46	1.39
17	B	802	CLA	C1D-ND	3.05	1.41	1.37
17	B	808	CLA	C1C-NC	-3.05	1.33	1.37
20	B	846	BCR	C8-C9	-3.05	1.39	1.46
17	A	823	CLA	C3D-C2D	3.05	1.47	1.39
17	A	854	CLA	C1D-ND	3.05	1.41	1.37
25	2	317	5X6	C11-C03	3.04	1.55	1.45
25	3	316	5X6	C11-C03	3.04	1.55	1.45
17	B	827	CLA	CHD-C1D	3.04	1.44	1.38
17	A	811	CLA	CHD-C1D	3.04	1.44	1.38
17	A	806	CLA	CHD-C1D	3.03	1.44	1.38
17	A	828	CLA	CHD-C1D	3.03	1.44	1.38
25	4	312	5X6	C11-C03	3.03	1.55	1.45
17	A	810	CLA	C1D-ND	3.03	1.41	1.37
17	A	825	CLA	OBD-CAD	3.03	1.27	1.22
20	L	205	BCR	C23-C22	-3.03	1.39	1.46
25	3	317	5X6	C11-C03	3.03	1.55	1.45
17	A	825	CLA	CHD-C1D	3.03	1.44	1.38
25	F	205	5X6	C33-C32	3.02	1.56	1.52
25	1	312	5X6	C11-C03	3.02	1.55	1.45
25	5	317	5X6	C11-C03	3.02	1.55	1.45
20	B	845	BCR	C8-C9	-3.02	1.39	1.46
20	A	845	BCR	C12-C13	-3.02	1.39	1.46
17	A	827	CLA	C1D-ND	3.02	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	B	834	CLA	OBD-CAD	3.02	1.27	1.22
20	J	104	BCR	C8-C9	-3.01	1.39	1.46
17	B	809	CLA	CHD-C4C	3.01	1.46	1.39
17	A	812	CLA	C1D-ND	3.01	1.41	1.37
17	B	827	CLA	C1D-ND	3.01	1.41	1.37
25	4	313	5X6	C11-C03	3.01	1.55	1.45
25	3	318	5X6	C11-C03	3.00	1.55	1.45
17	B	807	CLA	C1D-ND	3.00	1.41	1.37
25	2	320	5X6	C05-C06	3.00	1.56	1.52
17	A	811	CLA	CHD-C4C	3.00	1.46	1.39
25	1	316	5X6	C11-C03	3.00	1.55	1.45
17	B	833	CLA	CHD-C1D	3.00	1.44	1.38
17	B	807	CLA	OBD-CAD	2.99	1.27	1.22
17	A	839	CLA	CHD-C1D	2.99	1.44	1.38
17	B	819	CLA	C3D-C2D	2.99	1.47	1.39
25	5	318	5X6	C11-C03	2.98	1.55	1.45
20	B	844	BCR	C19-C18	-2.98	1.39	1.46
25	F	205	5X6	C12-C13	2.98	1.52	1.46
17	B	829	CLA	OBD-CAD	2.98	1.27	1.22
17	B	811	CLA	C3D-C4D	-2.98	1.37	1.44
17	5	302	CLA	C4C-C3C	2.98	1.50	1.45
20	A	843	BCR	C8-C9	-2.97	1.39	1.46
17	B	840	CLA	CHD-C1D	2.97	1.44	1.38
25	1	313	5X6	C11-C03	2.97	1.55	1.45
20	B	847	BCR	C23-C22	-2.97	1.39	1.46
17	2	313	CLA	C4C-C3C	2.97	1.50	1.45
25	F	205	5X6	C15-C14	2.97	1.52	1.43
17	B	808	CLA	OBD-CAD	2.97	1.27	1.22
17	A	809	CLA	C3D-C4D	-2.97	1.37	1.44
17	F	203	CLA	OBD-CAD	2.96	1.27	1.22
17	A	824	CLA	C1C-NC	-2.96	1.33	1.37
17	B	833	CLA	C3D-C2D	2.96	1.47	1.39
17	1	304	CLA	C4B-CHC	2.96	1.49	1.41
17	A	838	CLA	CHD-C4C	2.95	1.45	1.39
17	A	833	CLA	OBD-CAD	2.95	1.27	1.22
17	B	812	CLA	C3D-C4D	-2.95	1.37	1.44
17	A	817	CLA	OBD-CAD	2.94	1.27	1.22
17	A	835	CLA	OBD-CAD	2.94	1.27	1.22
17	B	830	CLA	CHD-C4C	2.94	1.45	1.39
17	A	804	CLA	C1D-ND	2.94	1.41	1.37
17	B	825	CLA	OBD-CAD	2.94	1.27	1.22
17	1	304	CLA	C1C-C2C	2.93	1.50	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	A	807	CLA	C1D-ND	2.93	1.41	1.37
17	A	823	CLA	CHD-C4C	2.92	1.45	1.39
17	B	825	CLA	CHD-C4C	2.92	1.45	1.39
17	A	810	CLA	C3D-C4D	-2.92	1.37	1.44
17	B	806	CLA	C4D-CHA	2.92	1.48	1.38
17	A	833	CLA	C1D-ND	2.92	1.41	1.37
20	I	101	BCR	C23-C22	-2.91	1.39	1.46
17	A	855	CLA	CHD-C1D	2.91	1.44	1.38
25	1	314	5X6	C11-C03	2.91	1.55	1.45
20	B	803	BCR	C8-C9	-2.91	1.39	1.46
17	B	827	CLA	C1C-NC	-2.91	1.33	1.37
17	A	829	CLA	C1D-ND	2.91	1.41	1.37
17	B	827	CLA	OBD-CAD	2.91	1.27	1.22
17	A	803	CLA	C1D-ND	2.91	1.41	1.37
17	1	307	CLA	C4B-CHC	2.90	1.49	1.41
17	A	804	CLA	OBD-CAD	2.90	1.27	1.22
17	B	810	CLA	C1C-NC	-2.90	1.33	1.37
17	5	305	CLA	C1C-C2C	2.89	1.50	1.44
20	K	104	BCR	C10-C9	2.89	1.42	1.35
20	A	845	BCR	C19-C18	-2.89	1.39	1.46
20	B	844	BCR	C23-C22	-2.89	1.39	1.46
17	A	837	CLA	CHD-C1D	2.89	1.44	1.38
17	A	825	CLA	CHD-C4C	2.89	1.45	1.39
17	A	807	CLA	C1C-NC	-2.89	1.33	1.37
17	A	828	CLA	CHD-C4C	2.89	1.45	1.39
17	B	839	CLA	C1C-NC	-2.89	1.33	1.37
17	A	821	CLA	C1C-NC	-2.88	1.33	1.37
20	M	101	BCR	C14-C13	2.88	1.42	1.35
17	1	301	CLA	C4C-C3C	2.88	1.49	1.45
17	4	306	CLA	C4C-C3C	2.88	1.49	1.45
25	F	205	5X6	C20-C21	2.87	1.52	1.43
25	2	319	5X6	C05-C06	2.87	1.56	1.52
20	B	803	BCR	C23-C22	-2.87	1.39	1.46
17	2	310	CLA	C4B-CHC	2.87	1.49	1.41
20	I	101	BCR	C12-C13	-2.86	1.39	1.46
17	B	833	CLA	C3D-C4D	-2.86	1.37	1.44
17	4	308	CLA	C1C-C2C	2.86	1.50	1.44
17	B	809	CLA	C3D-C4D	-2.86	1.37	1.44
25	2	321	5X6	C11-C03	2.86	1.54	1.45
17	B	838	CLA	C1C-NC	-2.85	1.33	1.37
20	L	205	BCR	C12-C13	-2.85	1.39	1.46
17	5	305	CLA	C4B-CHC	2.84	1.48	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	A	839	CLA	CHD-C4C	2.84	1.45	1.39
17	B	837	CLA	OBD-CAD	2.84	1.27	1.22
20	A	843	BCR	C12-C13	-2.84	1.39	1.46
17	1	307	CLA	C1C-C2C	2.83	1.50	1.44
17	4	304	CLA	C4B-CHC	2.83	1.48	1.41
17	1	311	CLA	C4C-C3C	2.83	1.49	1.45
17	A	826	CLA	CHD-C1D	2.83	1.43	1.38
17	B	811	CLA	OBD-CAD	2.83	1.27	1.22
17	A	806	CLA	OBD-CAD	2.83	1.27	1.22
17	A	806	CLA	CHD-C4C	2.82	1.45	1.39
17	B	804	CLA	C1C-NC	-2.82	1.33	1.37
17	A	816	CLA	CHD-C4C	2.82	1.45	1.39
17	A	835	CLA	C3D-C4D	-2.82	1.37	1.44
17	B	802	CLA	CHD-C4C	2.82	1.45	1.39
17	A	823	CLA	CHD-C1D	2.82	1.43	1.38
17	B	829	CLA	C3D-C4D	-2.82	1.37	1.44
25	5	315	5X6	C11-C03	2.81	1.54	1.45
17	2	305	CLA	C4B-CHC	2.81	1.48	1.41
17	A	839	CLA	C1C-C2C	2.81	1.50	1.44
17	A	836	CLA	OBD-CAD	2.81	1.27	1.22
20	B	848	BCR	C19-C18	-2.81	1.39	1.46
17	O	204	CLA	C1C-C2C	2.80	1.50	1.44
17	A	807	CLA	C3D-C2D	2.80	1.46	1.39
20	B	846	BCR	C21-C22	2.80	1.42	1.35
20	L	206	BCR	C10-C9	2.80	1.42	1.35
17	2	310	CLA	C1C-C2C	2.80	1.50	1.44
17	4	303	CLA	C4C-C3C	2.79	1.49	1.45
17	B	810	CLA	CHD-C1D	2.79	1.43	1.38
17	B	826	CLA	C1C-NC	-2.79	1.33	1.37
17	3	311	CLA	C4B-CHC	2.79	1.48	1.41
17	A	853	CLA	C1D-ND	2.79	1.41	1.37
20	L	205	BCR	C8-C9	-2.79	1.40	1.46
17	A	838	CLA	OBD-CAD	2.79	1.27	1.22
17	A	809	CLA	C1D-ND	2.78	1.41	1.37
17	A	807	CLA	CHD-C4C	2.78	1.45	1.39
17	B	824	CLA	C1C-C2C	2.78	1.50	1.44
20	B	847	BCR	C8-C9	-2.77	1.40	1.46
17	3	305	CLA	C4B-CHC	2.77	1.48	1.41
17	A	826	CLA	C1C-C2C	2.77	1.50	1.44
17	A	826	CLA	C1D-ND	2.77	1.41	1.37
20	B	847	BCR	C12-C13	-2.77	1.40	1.46
17	B	840	CLA	C1D-ND	2.77	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	1	303	CLA	C1C-C2C	2.77	1.50	1.44
17	B	824	CLA	C4B-CHC	2.77	1.48	1.41
17	1	303	CLA	C4B-CHC	2.77	1.48	1.41
17	2	311	CLA	C1C-C2C	2.77	1.50	1.44
17	K	103	CLA	C3D-C4D	-2.76	1.38	1.44
17	5	310	CLA	C4C-C3C	2.76	1.49	1.45
17	A	830	CLA	C3D-C4D	-2.76	1.38	1.44
17	B	841	CLA	C1C-C2C	2.76	1.50	1.44
17	A	817	CLA	C1C-NC	-2.75	1.33	1.37
16	A	801	CL0	CHD-C1D	2.75	1.43	1.38
20	A	844	BCR	C12-C13	-2.75	1.40	1.46
17	B	837	CLA	C1C-NC	-2.75	1.33	1.37
17	B	825	CLA	C1C-C2C	2.75	1.50	1.44
17	1	310	CLA	C4B-CHC	2.75	1.48	1.41
20	B	846	BCR	C23-C22	-2.75	1.40	1.46
17	2	311	CLA	C4B-CHC	2.75	1.48	1.41
17	B	840	CLA	CHB-C4A	2.75	1.35	1.33
17	2	305	CLA	C1C-C2C	2.75	1.50	1.44
20	B	844	BCR	C8-C9	-2.74	1.40	1.46
17	A	832	CLA	C1C-NC	-2.74	1.33	1.37
17	A	804	CLA	C1C-NC	-2.74	1.33	1.37
17	2	314	CLA	C4B-CHC	2.74	1.48	1.41
17	A	808	CLA	C1C-NC	-2.74	1.33	1.37
17	1	303	CLA	C3D-C4D	-2.73	1.38	1.44
17	3	307	CLA	C4B-CHC	2.73	1.48	1.41
17	B	829	CLA	C1C-NC	-2.73	1.33	1.37
17	2	314	CLA	C1C-C2C	2.73	1.50	1.44
17	A	816	CLA	C1C-NC	-2.73	1.33	1.37
17	B	830	CLA	OBD-CAD	2.73	1.27	1.22
17	4	308	CLA	C4B-CHC	2.73	1.48	1.41
17	O	205	CLA	C4D-CHA	2.72	1.47	1.38
17	A	856	CLA	C1D-ND	2.72	1.41	1.37
17	3	311	CLA	C1C-C2C	2.72	1.50	1.44
17	B	830	CLA	C1C-NC	-2.72	1.33	1.37
17	A	803	CLA	C1C-NC	-2.72	1.33	1.37
17	A	806	CLA	C1C-NC	-2.72	1.33	1.37
20	B	843	BCR	C10-C9	2.72	1.42	1.35
17	A	827	CLA	CHD-C4C	2.72	1.45	1.39
17	A	855	CLA	C1C-NC	-2.72	1.33	1.37
17	B	857	CLA	OBD-CAD	2.71	1.27	1.22
17	O	204	CLA	C4D-CHA	2.71	1.47	1.38
17	A	816	CLA	OBD-CAD	2.71	1.27	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	1	310	CLA	C1C-C2C	2.71	1.50	1.44
17	A	852	CLA	CHD-C4C	2.71	1.45	1.39
17	2	307	CLA	C1C-C2C	2.71	1.50	1.44
17	2	312	CLA	C4C-C3C	2.71	1.49	1.45
17	5	304	CLA	C3D-C4D	-2.71	1.38	1.44
17	B	828	CLA	C3D-C4D	-2.70	1.38	1.44
20	A	844	BCR	C23-C22	-2.70	1.40	1.46
17	B	833	CLA	C1D-ND	2.70	1.41	1.37
17	5	313	CLA	C4C-C3C	2.70	1.49	1.45
20	L	206	BCR	C8-C9	-2.70	1.40	1.46
17	5	314	CLA	C1C-C2C	2.70	1.50	1.44
17	A	823	CLA	OBD-CAD	2.70	1.27	1.22
17	2	316	CLA	C1C-C2C	2.70	1.50	1.44
17	A	829	CLA	C3D-C4D	-2.70	1.38	1.44
17	A	821	CLA	OBD-CAD	2.70	1.27	1.22
17	2	308	CLA	C4D-CHA	2.69	1.47	1.38
17	A	814	CLA	C4C-C3C	2.69	1.49	1.45
17	A	807	CLA	C3D-C4D	-2.69	1.38	1.44
17	A	823	CLA	C1C-NC	-2.69	1.33	1.37
17	4	304	CLA	C1C-C2C	2.69	1.50	1.44
17	A	804	CLA	C3D-C4D	-2.69	1.38	1.44
17	A	819	CLA	C1C-NC	-2.69	1.33	1.37
17	3	309	CLA	C4B-CHC	2.69	1.48	1.41
17	4	311	CLA	C1C-C2C	2.69	1.50	1.44
17	B	825	CLA	C4D-CHA	2.68	1.47	1.38
20	J	104	BCR	C19-C18	-2.68	1.40	1.46
17	3	314	CLA	C1C-C2C	2.68	1.50	1.44
17	3	312	CLA	C4C-C3C	2.68	1.49	1.45
17	B	832	CLA	C3D-C4D	-2.68	1.38	1.44
25	F	205	5X6	C28-C29	2.67	1.54	1.45
17	4	309	CLA	C1C-C2C	2.67	1.49	1.44
17	A	820	CLA	C1C-NC	-2.67	1.33	1.37
17	4	311	CLA	C4B-CHC	2.67	1.48	1.41
17	2	312	CLA	C4D-CHA	2.67	1.47	1.38
17	A	826	CLA	C3D-C4D	-2.67	1.38	1.44
17	4	306	CLA	C1C-C2C	2.67	1.49	1.44
17	5	312	CLA	C1C-C2C	2.67	1.49	1.44
17	B	826	CLA	OBD-CAD	2.67	1.27	1.22
17	5	310	CLA	C1C-C2C	2.67	1.49	1.44
17	2	313	CLA	C1C-C2C	2.67	1.49	1.44
17	1	303	CLA	C4D-CHA	2.66	1.47	1.38
17	3	305	CLA	C1C-C2C	2.66	1.49	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	B	838	CLA	C3D-C4D	-2.66	1.38	1.44
17	2	316	CLA	C4D-CHA	2.66	1.47	1.38
17	3	307	CLA	C1C-C2C	2.66	1.49	1.44
17	A	859	CLA	C1C-NC	-2.65	1.33	1.37
17	B	814	CLA	C3D-C4D	-2.65	1.38	1.44
17	A	806	CLA	C1D-ND	2.65	1.41	1.37
17	B	857	CLA	C1C-NC	-2.65	1.33	1.37
17	A	831	CLA	OBD-CAD	2.65	1.27	1.22
17	B	802	CLA	C1C-NC	-2.65	1.33	1.37
17	3	309	CLA	C1C-C2C	2.65	1.49	1.44
17	B	821	CLA	C4D-CHA	2.65	1.47	1.38
20	M	101	BCR	C21-C22	2.65	1.41	1.35
17	5	314	CLA	C4D-CHA	2.65	1.47	1.38
17	B	822	CLA	C4B-CHC	2.65	1.48	1.41
17	3	308	CLA	C4D-CHA	2.65	1.47	1.38
17	5	302	CLA	C4B-CHC	2.64	1.48	1.41
20	A	857	BCR	C23-C22	-2.64	1.40	1.46
17	3	314	CLA	C4D-CHA	2.64	1.47	1.38
17	B	811	CLA	C1D-ND	2.64	1.41	1.37
17	B	840	CLA	C1C-NC	-2.64	1.33	1.37
17	5	312	CLA	C4B-CHC	2.64	1.48	1.41
20	B	843	BCR	C21-C22	2.64	1.41	1.35
20	L	206	BCR	C23-C22	-2.64	1.40	1.46
17	1	303	CLA	OBD-CAD	2.64	1.27	1.22
20	B	848	BCR	C8-C9	-2.64	1.40	1.46
17	5	310	CLA	C4D-CHA	2.63	1.47	1.38
20	K	104	BCR	C23-C22	-2.63	1.40	1.46
20	M	101	BCR	C17-C18	2.63	1.41	1.35
17	5	302	CLA	C4D-CHA	2.63	1.47	1.38
17	4	303	CLA	C4D-CHA	2.63	1.47	1.38
20	B	843	BCR	C8-C9	-2.63	1.40	1.46
17	4	310	CLA	C4B-CHC	2.63	1.48	1.41
17	A	810	CLA	OBD-CAD	2.63	1.27	1.22
17	L	204	CLA	C1C-C2C	2.63	1.49	1.44
17	4	306	CLA	C4B-CHC	2.63	1.48	1.41
17	4	307	CLA	C4D-CHA	2.63	1.47	1.38
17	2	316	CLA	C4B-CHC	2.63	1.48	1.41
17	2	313	CLA	C4B-CHC	2.62	1.48	1.41
17	B	808	CLA	C1C-C2C	2.62	1.49	1.44
17	B	812	CLA	C1C-NC	-2.62	1.33	1.37
17	K	102	CLA	C4D-CHA	2.62	1.47	1.38
17	5	308	CLA	C1C-C2C	2.62	1.49	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
20	B	844	BCR	C12-C13	-2.62	1.40	1.46
17	4	310	CLA	C4D-CHA	2.62	1.47	1.38
17	3	308	CLA	C1C-C2C	2.62	1.49	1.44
17	B	813	CLA	OBD-CAD	2.62	1.27	1.22
17	5	311	CLA	C4B-CHC	2.62	1.48	1.41
17	B	801	CLA	C3D-C4D	-2.62	1.38	1.44
20	B	846	BCR	C10-C9	2.61	1.41	1.35
17	3	312	CLA	C1C-C2C	2.61	1.49	1.44
17	1	309	CLA	C4D-CHA	2.61	1.47	1.38
25	5	316	5X6	C11-C03	2.61	1.54	1.45
17	3	310	CLA	C4B-CHC	2.61	1.48	1.41
17	B	828	CLA	CHD-C1D	2.61	1.43	1.38
17	B	834	CLA	C3D-C4D	-2.61	1.38	1.44
17	A	832	CLA	C1D-ND	2.61	1.41	1.37
17	O	204	CLA	C4B-CHC	2.61	1.48	1.41
17	5	314	CLA	C4B-CHC	2.61	1.48	1.41
17	A	823	CLA	C1C-C2C	2.61	1.49	1.44
17	B	827	CLA	C3D-C4D	-2.61	1.38	1.44
17	K	102	CLA	C1C-C2C	2.61	1.49	1.44
17	O	205	CLA	C4B-CHC	2.61	1.48	1.41
17	O	205	CLA	C1C-C2C	2.61	1.49	1.44
17	3	310	CLA	C1C-C2C	2.61	1.49	1.44
17	5	306	CLA	C4D-CHA	2.61	1.47	1.38
17	A	809	CLA	CHD-C1D	2.61	1.43	1.38
17	O	203	CLA	C4B-CHC	2.61	1.48	1.41
17	1	310	CLA	C4C-C3C	2.61	1.49	1.45
17	1	305	CLA	C4D-CHA	2.60	1.47	1.38
17	2	307	CLA	C4B-CHC	2.60	1.48	1.41
17	A	831	CLA	C1C-C2C	2.60	1.49	1.44
17	2	315	CLA	C1C-C2C	2.60	1.49	1.44
17	5	313	CLA	C4D-CHA	2.60	1.47	1.38
17	1	310	CLA	C4D-CHA	2.60	1.47	1.38
17	3	312	CLA	C4D-CHA	2.60	1.47	1.38
16	A	801	CL0	C3D-C4D	-2.60	1.38	1.44
17	1	308	CLA	C4C-C3C	2.60	1.49	1.45
17	B	818	CLA	C1C-NC	-2.60	1.33	1.37
20	M	101	BCR	C8-C9	-2.60	1.40	1.46
17	L	204	CLA	C4B-CHC	2.60	1.48	1.41
17	B	817	CLA	C3D-C4D	-2.60	1.38	1.44
17	4	310	CLA	C1C-C2C	2.60	1.49	1.44
16	A	801	CL0	C1C-NC	-2.60	1.33	1.37
20	B	848	BCR	C10-C9	2.60	1.41	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	B	840	CLA	C3D-C4D	-2.60	1.38	1.44
17	A	818	CLA	C4D-CHA	2.60	1.47	1.38
17	A	824	CLA	C3D-C4D	-2.60	1.38	1.44
20	B	846	BCR	C17-C18	2.60	1.41	1.35
17	A	823	CLA	C4D-CHA	2.60	1.47	1.38
17	A	859	CLA	C1C-C2C	2.60	1.49	1.44
17	A	813	CLA	C1C-NC	-2.59	1.33	1.37
17	5	309	CLA	C1C-C2C	2.59	1.49	1.44
17	B	857	CLA	C1D-ND	2.59	1.41	1.37
17	A	826	CLA	OBD-CAD	2.59	1.27	1.22
20	I	101	BCR	C19-C18	-2.59	1.40	1.46
17	A	827	CLA	C3D-C4D	-2.59	1.38	1.44
17	5	306	CLA	C4C-C3C	2.59	1.49	1.45
20	K	104	BCR	C14-C13	2.59	1.41	1.35
17	A	835	CLA	C4D-CHA	2.59	1.47	1.38
17	A	836	CLA	C4D-CHA	2.59	1.47	1.38
17	A	854	CLA	CHD-C4C	2.59	1.45	1.39
17	B	813	CLA	C4D-CHA	2.59	1.47	1.38
17	A	838	CLA	C3D-C4D	-2.59	1.38	1.44
17	3	315	CLA	C1C-C2C	2.58	1.49	1.44
17	3	312	CLA	C4B-CHC	2.58	1.48	1.41
17	3	315	CLA	C4B-CHC	2.58	1.48	1.41
17	B	807	CLA	C3D-C4D	-2.58	1.38	1.44
17	2	310	CLA	C4D-CHA	2.58	1.47	1.38
17	A	854	CLA	CHD-C1D	2.58	1.43	1.38
17	B	801	CLA	C1C-NC	-2.58	1.33	1.37
17	L	202	CLA	C4D-CHA	2.58	1.47	1.38
17	A	810	CLA	C4D-CHA	2.58	1.47	1.38
17	A	852	CLA	CHD-C1D	2.58	1.43	1.38
17	3	315	CLA	C4D-CHA	2.58	1.47	1.38
17	4	309	CLA	C4B-CHC	2.58	1.48	1.41
20	B	803	BCR	C10-C9	2.58	1.41	1.35
20	J	104	BCR	C12-C13	-2.57	1.40	1.46
17	5	312	CLA	C4D-CHA	2.57	1.47	1.38
17	B	822	CLA	C1C-C2C	2.57	1.49	1.44
17	2	306	CLA	C4D-CHA	2.57	1.47	1.38
17	B	809	CLA	C1D-ND	2.57	1.41	1.37
17	3	313	CLA	C1C-C2C	2.57	1.49	1.44
20	B	847	BCR	C19-C18	-2.57	1.40	1.46
17	B	836	CLA	C1C-NC	-2.57	1.33	1.37
17	3	313	CLA	C4B-CHC	2.57	1.48	1.41
17	1	308	CLA	C4B-CHC	2.57	1.48	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	B	810	CLA	C3D-C4D	-2.57	1.38	1.44
17	A	836	CLA	C1D-ND	2.57	1.41	1.37
17	A	835	CLA	C1C-C2C	2.57	1.49	1.44
17	4	310	CLA	C4C-C3C	2.57	1.49	1.45
17	L	204	CLA	C4D-CHA	2.57	1.47	1.38
17	2	312	CLA	C4B-CHC	2.57	1.48	1.41
17	4	309	CLA	C4D-CHA	2.57	1.47	1.38
17	3	314	CLA	C4B-CHC	2.57	1.48	1.41
17	B	817	CLA	C4B-CHC	2.57	1.48	1.41
17	5	310	CLA	C4B-CHC	2.56	1.48	1.41
17	B	823	CLA	C3D-C4D	-2.56	1.38	1.44
20	O	202	BCR	C10-C9	2.56	1.41	1.35
17	4	306	CLA	C4D-CHA	2.56	1.47	1.38
17	A	822	CLA	C1C-C2C	2.56	1.49	1.44
20	B	803	BCR	C19-C18	-2.56	1.40	1.46
17	B	817	CLA	C1C-C2C	2.56	1.49	1.44
17	1	305	CLA	C4B-CHC	2.56	1.48	1.41
17	B	828	CLA	CHD-C4C	2.56	1.45	1.39
17	2	316	CLA	C4C-C3C	2.56	1.49	1.45
17	A	827	CLA	C1C-NC	-2.56	1.33	1.37
17	4	309	CLA	C4C-C3C	2.56	1.49	1.45
17	4	305	CLA	C4D-CHA	2.56	1.47	1.38
17	1	309	CLA	C1C-C2C	2.56	1.49	1.44
17	4	307	CLA	C4B-CHC	2.55	1.48	1.41
17	A	811	CLA	C4D-CHA	2.55	1.47	1.38
17	B	819	CLA	OBD-CAD	2.55	1.26	1.22
17	2	315	CLA	C4B-CHC	2.55	1.48	1.41
17	2	314	CLA	C4D-CHA	2.55	1.47	1.38
17	1	308	CLA	C4D-CHA	2.55	1.47	1.38
17	A	816	CLA	C3D-C4D	-2.55	1.38	1.44
17	F	203	CLA	C4D-CHA	2.55	1.47	1.38
17	O	203	CLA	C4D-CHA	2.55	1.47	1.38
17	A	831	CLA	C3D-C4D	-2.55	1.38	1.44
17	A	852	CLA	C3D-C4D	-2.55	1.38	1.44
17	B	823	CLA	C1C-C2C	2.55	1.49	1.44
20	A	846	BCR	C8-C9	-2.55	1.40	1.46
17	5	311	CLA	C1B-CHB	2.55	1.48	1.41
17	L	203	CLA	C4D-CHA	2.55	1.47	1.38
17	2	313	CLA	C4D-CHA	2.55	1.47	1.38
20	B	843	BCR	C17-C18	2.54	1.41	1.35
17	A	823	CLA	C3D-C4D	-2.54	1.38	1.44
17	B	831	CLA	C3D-C4D	-2.54	1.38	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	B	829	CLA	C1D-ND	2.54	1.41	1.37
17	5	311	CLA	C1C-C2C	2.54	1.49	1.44
17	A	814	CLA	C1B-CHB	2.54	1.48	1.41
17	A	818	CLA	C3D-C4D	-2.54	1.38	1.44
17	B	813	CLA	C3D-C4D	-2.54	1.38	1.44
17	B	836	CLA	C3D-C4D	-2.54	1.38	1.44
17	B	814	CLA	C4B-CHC	2.54	1.48	1.41
17	1	301	CLA	C4D-CHA	2.54	1.47	1.38
17	3	313	CLA	C4D-CHA	2.54	1.47	1.38
17	1	305	CLA	C1C-C2C	2.53	1.49	1.44
20	A	857	BCR	C19-C18	-2.53	1.40	1.46
17	2	306	CLA	C1B-CHB	2.53	1.48	1.41
17	O	203	CLA	C1C-C2C	2.53	1.49	1.44
17	B	831	CLA	OBD-CAD	2.53	1.26	1.22
17	1	311	CLA	C4B-CHC	2.53	1.48	1.41
17	1	308	CLA	C1B-CHB	2.53	1.48	1.41
17	5	308	CLA	C4D-CHA	2.53	1.47	1.38
17	3	309	CLA	C4D-CHA	2.52	1.47	1.38
17	F	204	CLA	C3D-C4D	-2.52	1.38	1.44
17	B	828	CLA	OBD-CAD	2.52	1.26	1.22
17	4	311	CLA	C4C-C3C	2.52	1.49	1.45
17	O	203	CLA	C1B-CHB	2.52	1.48	1.41
17	1	306	CLA	C4B-CHC	2.52	1.48	1.41
17	1	309	CLA	C4B-CHC	2.52	1.48	1.41
17	5	302	CLA	C1C-C2C	2.52	1.49	1.44
17	K	102	CLA	C4C-C3C	2.52	1.49	1.45
17	F	204	CLA	C3A-C2A	-2.52	1.52	1.54
17	5	309	CLA	C4B-CHC	2.52	1.48	1.41
17	B	823	CLA	C4D-CHA	2.52	1.47	1.38
17	A	802	CLA	C3D-C4D	-2.51	1.38	1.44
17	A	830	CLA	C1B-CHB	2.51	1.48	1.41
17	2	310	CLA	C4C-C3C	2.51	1.49	1.45
17	O	205	CLA	C4C-C3C	2.51	1.49	1.45
17	3	312	CLA	C1B-CHB	2.51	1.48	1.41
17	A	838	CLA	C4D-CHA	2.51	1.47	1.38
17	B	837	CLA	C1C-C2C	2.51	1.49	1.44
25	F	205	5X6	O37-C32	-2.51	1.36	1.43
17	4	303	CLA	C4B-CHC	2.51	1.48	1.41
17	1	311	CLA	C4D-CHA	2.51	1.47	1.38
17	B	829	CLA	C4D-CHA	2.50	1.47	1.38
20	B	845	BCR	C23-C22	-2.50	1.40	1.46
17	2	304	CLA	C4D-CHA	2.50	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	3	306	CLA	C4D-CHA	2.50	1.47	1.38
17	A	813	CLA	C3D-C4D	-2.50	1.38	1.44
25	J	105	5X6	C11-C03	2.50	1.53	1.45
17	2	309	CLA	C4D-CHA	2.50	1.47	1.38
17	A	829	CLA	OBD-CAD	2.50	1.26	1.22
20	L	206	BCR	C21-C22	2.50	1.41	1.35
17	F	204	CLA	C4D-CHA	2.50	1.47	1.38
17	B	825	CLA	CHB-C4A	2.50	1.35	1.33
17	3	315	CLA	C1B-CHB	2.50	1.47	1.41
17	5	311	CLA	C4D-CHA	2.50	1.47	1.38
17	1	306	CLA	C4C-C3C	2.50	1.49	1.45
17	A	822	CLA	C4D-CHA	2.49	1.47	1.38
17	B	857	CLA	C3D-C4D	-2.49	1.38	1.44
17	2	304	CLA	C1B-CHB	2.49	1.47	1.41
17	3	308	CLA	C4C-C3C	2.49	1.49	1.45
17	B	836	CLA	OBD-CAD	2.49	1.26	1.22
20	B	843	BCR	C14-C13	2.49	1.41	1.35
17	B	841	CLA	C4B-CHC	2.49	1.47	1.41
17	2	312	CLA	C1B-CHB	2.49	1.47	1.41
17	4	309	CLA	C1B-CHB	2.49	1.47	1.41
17	A	853	CLA	C3D-C4D	-2.49	1.38	1.44
17	A	831	CLA	C1C-NC	-2.48	1.34	1.37
17	3	305	CLA	C4D-CHA	2.48	1.46	1.38
17	J	103	CLA	C3D-C4D	-2.48	1.38	1.44
17	K	102	CLA	C3D-C4D	-2.48	1.38	1.44
17	B	804	CLA	C4D-CHA	2.48	1.46	1.38
17	4	305	CLA	C1C-C2C	2.48	1.49	1.44
17	4	308	CLA	C4D-CHA	2.48	1.46	1.38
17	2	315	CLA	C4D-CHA	2.48	1.46	1.38
17	2	307	CLA	C3D-C4D	-2.48	1.38	1.44
17	5	306	CLA	C4B-CHC	2.48	1.47	1.41
17	5	310	CLA	C1B-CHB	2.48	1.47	1.41
25	F	205	5X6	C05-C06	2.48	1.55	1.52
17	4	307	CLA	C1C-C2C	2.48	1.49	1.44
17	2	304	CLA	C1C-C2C	2.48	1.49	1.44
17	B	830	CLA	C3D-C4D	-2.48	1.38	1.44
17	5	302	CLA	C1B-CHB	2.48	1.47	1.41
17	L	204	CLA	C4C-C3C	2.48	1.49	1.45
17	A	836	CLA	C3D-C4D	-2.48	1.38	1.44
17	1	301	CLA	C1C-C2C	2.48	1.49	1.44
17	5	308	CLA	C4B-CHC	2.48	1.47	1.41
17	K	103	CLA	C4D-CHA	2.48	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	5	307	CLA	C4D-CHA	2.48	1.46	1.38
17	1	302	CLA	C3D-C4D	-2.48	1.38	1.44
17	A	824	CLA	CHD-C1D	2.48	1.43	1.38
17	4	311	CLA	C4D-CHA	2.48	1.46	1.38
17	4	305	CLA	C4B-CHC	2.48	1.47	1.41
17	3	313	CLA	C4C-C3C	2.47	1.49	1.45
17	A	818	CLA	C1C-C2C	2.47	1.49	1.44
20	A	843	BCR	C19-C18	-2.47	1.40	1.46
17	A	825	CLA	C3D-C4D	-2.47	1.38	1.44
17	A	805	CLA	C1B-CHB	2.47	1.47	1.41
17	3	310	CLA	C4D-CHA	2.47	1.46	1.38
17	A	835	CLA	C1C-NC	-2.47	1.34	1.37
17	B	828	CLA	C4D-CHA	2.47	1.46	1.38
20	K	104	BCR	C21-C22	2.47	1.41	1.35
17	A	803	CLA	C3D-C4D	-2.47	1.38	1.44
17	5	303	CLA	C1C-C2C	2.47	1.49	1.44
17	B	801	CLA	OBD-CAD	2.47	1.26	1.22
17	A	818	CLA	C1B-CHB	2.47	1.47	1.41
17	B	837	CLA	C3D-C4D	-2.47	1.38	1.44
17	2	311	CLA	C3D-C4D	-2.46	1.38	1.44
17	2	309	CLA	C1B-CHB	2.46	1.47	1.41
17	3	314	CLA	C4C-C3C	2.46	1.49	1.45
17	J	103	CLA	C4D-CHA	2.46	1.46	1.38
17	A	815	CLA	C3D-C4D	-2.46	1.38	1.44
17	B	841	CLA	C4D-CHA	2.46	1.46	1.38
17	B	815	CLA	C4C-C3C	2.46	1.49	1.45
17	B	822	CLA	C4D-CHA	2.46	1.46	1.38
17	2	307	CLA	C4C-C3C	2.46	1.49	1.45
20	L	201	BCR	C8-C9	-2.46	1.40	1.46
17	5	303	CLA	C4B-CHC	2.46	1.47	1.41
17	1	311	CLA	C1B-CHB	2.46	1.47	1.41
17	5	312	CLA	C1B-CHB	2.45	1.47	1.41
17	3	306	CLA	C4C-C3C	2.45	1.49	1.45
17	B	833	CLA	C1C-C2C	2.45	1.49	1.44
17	B	804	CLA	OBD-CAD	2.45	1.26	1.22
20	K	104	BCR	C8-C9	-2.45	1.40	1.46
17	5	303	CLA	C4D-CHA	2.45	1.46	1.38
17	B	821	CLA	C4B-CHC	2.45	1.47	1.41
17	A	834	CLA	C3D-C4D	-2.45	1.38	1.44
17	3	306	CLA	C4B-CHC	2.45	1.47	1.41
17	A	809	CLA	C4D-CHA	2.45	1.46	1.38
17	B	824	CLA	C4D-CHA	2.45	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	B	815	CLA	C1B-CHB	2.45	1.47	1.41
17	4	305	CLA	C3D-C4D	-2.44	1.38	1.44
17	3	307	CLA	C4D-CHA	2.44	1.46	1.38
17	4	303	CLA	C1B-CHB	2.44	1.47	1.41
17	B	813	CLA	C4B-CHC	2.44	1.47	1.41
17	F	203	CLA	C4C-C3C	2.44	1.49	1.45
17	A	814	CLA	C1C-NC	-2.44	1.34	1.37
17	B	828	CLA	C1D-ND	2.44	1.41	1.37
17	A	830	CLA	C4D-CHA	2.44	1.46	1.38
17	B	820	CLA	C3D-C4D	-2.44	1.38	1.44
17	2	313	CLA	C1B-CHB	2.44	1.47	1.41
17	A	807	CLA	C4D-CHA	2.44	1.46	1.38
17	1	302	CLA	C4D-CHA	2.44	1.46	1.38
17	B	838	CLA	OBD-CAD	2.44	1.26	1.22
17	B	805	CLA	C4D-CHA	2.44	1.46	1.38
17	2	305	CLA	C3D-C4D	-2.44	1.38	1.44
17	1	306	CLA	C4D-CHA	2.44	1.46	1.38
17	1	307	CLA	C4D-CHA	2.44	1.46	1.38
17	1	301	CLA	C4B-CHC	2.44	1.47	1.41
17	B	819	CLA	C3D-C4D	-2.44	1.38	1.44
17	O	204	CLA	C4C-C3C	2.44	1.49	1.45
17	3	306	CLA	C3D-C4D	-2.44	1.38	1.44
17	1	308	CLA	C1C-C2C	2.44	1.49	1.44
20	M	101	BCR	C23-C22	-2.43	1.40	1.46
20	B	846	BCR	C14-C13	2.43	1.41	1.35
17	2	316	CLA	C1B-CHB	2.43	1.47	1.41
17	3	308	CLA	C4B-CHC	2.43	1.47	1.41
17	2	314	CLA	C4C-C3C	2.43	1.49	1.45
17	5	305	CLA	C3D-C4D	-2.43	1.38	1.44
20	B	845	BCR	C12-C13	-2.43	1.40	1.46
17	4	306	CLA	C1B-CHB	2.43	1.47	1.41
17	L	202	CLA	C1B-CHB	2.43	1.47	1.41
17	B	805	CLA	C1C-C2C	2.43	1.49	1.44
17	2	304	CLA	C4B-CHC	2.43	1.47	1.41
17	5	306	CLA	C1C-C2C	2.43	1.49	1.44
17	B	823	CLA	C4B-CHC	2.43	1.47	1.41
17	A	853	CLA	C4C-C3C	2.43	1.49	1.45
17	5	311	CLA	C4C-C3C	2.43	1.49	1.45
17	A	856	CLA	C3D-C4D	-2.43	1.38	1.44
17	B	831	CLA	C4C-C3C	2.43	1.49	1.45
17	1	304	CLA	C4D-CHA	2.42	1.46	1.38
17	5	304	CLA	C4D-CHA	2.42	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	A	837	CLA	C4B-CHC	2.42	1.47	1.41
17	B	820	CLA	C1C-C2C	2.42	1.49	1.44
17	B	805	CLA	C3D-C4D	-2.42	1.38	1.44
17	J	103	CLA	C1B-CHB	2.42	1.47	1.41
17	1	306	CLA	C1C-C2C	2.42	1.49	1.44
17	A	859	CLA	C1B-CHB	2.42	1.47	1.41
17	4	307	CLA	C4C-C3C	2.42	1.49	1.45
17	B	825	CLA	C3D-C4D	-2.42	1.38	1.44
17	L	203	CLA	C1B-CHB	2.42	1.47	1.41
17	A	834	CLA	C4C-C3C	2.42	1.49	1.45
17	A	829	CLA	C4D-CHA	2.42	1.46	1.38
20	A	844	BCR	C19-C18	-2.42	1.40	1.46
20	L	201	BCR	C19-C18	-2.42	1.40	1.46
17	A	821	CLA	C4B-CHC	2.42	1.47	1.41
17	K	103	CLA	C1B-CHB	2.42	1.47	1.41
17	3	315	CLA	C4C-C3C	2.41	1.49	1.45
17	2	312	CLA	C1C-C2C	2.41	1.49	1.44
17	B	818	CLA	C3D-C4D	-2.41	1.38	1.44
17	A	831	CLA	C4D-CHA	2.41	1.46	1.38
17	A	832	CLA	C4D-CHA	2.41	1.46	1.38
17	A	810	CLA	C1B-CHB	2.41	1.47	1.41
17	L	202	CLA	C3D-C4D	-2.41	1.38	1.44
17	2	305	CLA	C4D-CHA	2.41	1.46	1.38
17	3	313	CLA	C1B-CHB	2.41	1.47	1.41
17	B	816	CLA	C1C-NC	-2.41	1.34	1.37
17	B	814	CLA	C4D-CHA	2.41	1.46	1.38
17	J	103	CLA	C4C-C3C	2.41	1.49	1.45
17	A	820	CLA	C4D-CHA	2.41	1.46	1.38
17	4	304	CLA	C4D-CHA	2.41	1.46	1.38
17	A	811	CLA	C1B-CHB	2.41	1.47	1.41
17	O	205	CLA	C1B-CHB	2.41	1.47	1.41
17	L	203	CLA	C3D-C4D	-2.41	1.38	1.44
17	A	837	CLA	OBD-CAD	2.41	1.26	1.22
17	F	204	CLA	C1C-C2C	2.41	1.49	1.44
17	B	805	CLA	C4B-CHC	2.41	1.47	1.41
17	5	308	CLA	C3D-C4D	-2.40	1.38	1.44
17	5	305	CLA	C4D-CHA	2.40	1.46	1.38
17	4	305	CLA	C1B-CHB	2.40	1.47	1.41
17	A	833	CLA	C1C-NC	-2.40	1.34	1.37
17	B	835	CLA	C4B-CHC	2.40	1.47	1.41
17	A	803	CLA	C4D-CHA	2.40	1.46	1.38
17	4	305	CLA	C4C-C3C	2.40	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	A	816	CLA	C4D-CHA	2.40	1.46	1.38
20	A	845	BCR	C15-C14	-2.40	1.35	1.43
17	B	817	CLA	C4D-CHA	2.40	1.46	1.38
17	3	314	CLA	C1B-CHB	2.39	1.47	1.41
17	A	815	CLA	C4D-CHA	2.39	1.46	1.38
17	B	832	CLA	C4D-CHA	2.39	1.46	1.38
17	J	103	CLA	C1C-NC	-2.39	1.34	1.37
17	A	826	CLA	CHD-C4C	2.39	1.44	1.39
17	A	805	CLA	C3D-C4D	-2.39	1.38	1.44
17	B	813	CLA	C1B-CHB	2.39	1.47	1.41
17	O	203	CLA	C4C-C3C	2.39	1.49	1.45
17	5	314	CLA	C4C-C3C	2.39	1.49	1.45
17	B	826	CLA	C3D-C4D	-2.39	1.38	1.44
17	5	313	CLA	C3D-C4D	-2.39	1.38	1.44
17	3	308	CLA	C1B-CHB	2.39	1.47	1.41
17	A	835	CLA	C4B-CHC	2.39	1.47	1.41
17	A	837	CLA	C1C-C2C	2.38	1.49	1.44
17	A	804	CLA	C1B-CHB	2.38	1.47	1.41
17	2	311	CLA	C4D-CHA	2.38	1.46	1.38
17	2	306	CLA	C3D-C4D	-2.38	1.38	1.44
17	1	311	CLA	C1C-C2C	2.38	1.49	1.44
17	K	102	CLA	C1B-CHB	2.38	1.47	1.41
17	B	810	CLA	C1B-CHB	2.38	1.47	1.41
17	B	811	CLA	C4D-CHA	2.38	1.46	1.38
17	4	308	CLA	C1B-CHB	2.38	1.47	1.41
17	4	310	CLA	C1B-CHB	2.38	1.47	1.41
17	B	807	CLA	C4D-CHA	2.38	1.46	1.38
17	B	840	CLA	C4D-CHA	2.38	1.46	1.38
20	L	205	BCR	C14-C13	2.37	1.41	1.35
17	B	815	CLA	C1C-C2C	2.37	1.49	1.44
17	B	816	CLA	C4D-CHA	2.37	1.46	1.38
17	1	303	CLA	C4C-C3C	2.37	1.49	1.45
17	B	818	CLA	C4D-CHA	2.37	1.46	1.38
17	B	804	CLA	CHD-C4C	2.37	1.44	1.39
17	4	311	CLA	C1B-CHB	2.37	1.47	1.41
17	F	203	CLA	C3D-C4D	-2.37	1.38	1.44
17	B	821	CLA	C1C-C2C	2.37	1.49	1.44
17	A	859	CLA	C3D-C4D	-2.37	1.38	1.44
17	1	305	CLA	C1B-CHB	2.37	1.47	1.41
17	A	817	CLA	C3D-C4D	-2.37	1.38	1.44
17	A	820	CLA	C1B-CHB	2.37	1.47	1.41
17	2	314	CLA	C1B-CHB	2.37	1.47	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	B	831	CLA	C4D-CHA	2.37	1.46	1.38
17	3	309	CLA	C4C-C3C	2.36	1.49	1.45
17	B	804	CLA	C1B-CHB	2.36	1.47	1.41
17	K	102	CLA	C4B-CHC	2.36	1.47	1.41
17	1	307	CLA	C1B-CHB	2.36	1.47	1.41
17	L	204	CLA	C1B-CHB	2.36	1.47	1.41
17	L	203	CLA	C1C-C2C	2.36	1.49	1.44
17	B	812	CLA	C4D-CHA	2.36	1.46	1.38
17	K	103	CLA	C1C-NC	-2.36	1.34	1.37
17	A	836	CLA	C1C-NC	-2.36	1.34	1.37
17	A	811	CLA	C3D-C4D	-2.36	1.38	1.44
17	A	811	CLA	C4B-CHC	2.36	1.47	1.41
20	L	206	BCR	C14-C13	2.36	1.41	1.35
17	A	805	CLA	C1C-NC	-2.36	1.34	1.37
17	1	302	CLA	C1B-CHB	2.36	1.47	1.41
17	2	306	CLA	C4B-CHC	2.36	1.47	1.41
17	A	859	CLA	C4D-CHA	2.36	1.46	1.38
17	A	839	CLA	C1B-CHB	2.36	1.47	1.41
17	5	313	CLA	C4B-CHC	2.36	1.47	1.41
17	A	824	CLA	OBD-CAD	2.36	1.26	1.22
20	B	844	BCR	C10-C9	2.36	1.41	1.35
17	3	309	CLA	C3D-C4D	-2.35	1.38	1.44
17	3	311	CLA	C1B-CHB	2.35	1.47	1.41
17	B	833	CLA	OBD-CAD	2.35	1.26	1.22
17	A	814	CLA	C4D-CHA	2.35	1.46	1.38
17	A	825	CLA	C1B-CHB	2.35	1.47	1.41
17	5	309	CLA	C3D-C4D	-2.35	1.38	1.44
17	2	315	CLA	C1B-CHB	2.35	1.47	1.41
17	5	308	CLA	C4C-C3C	2.35	1.49	1.45
17	1	309	CLA	C1B-CHB	2.35	1.47	1.41
16	A	801	CL0	C4D-CHA	2.35	1.46	1.38
17	1	302	CLA	C4B-CHC	2.35	1.47	1.41
17	3	310	CLA	C4C-C3C	2.35	1.49	1.45
17	1	306	CLA	C3D-C4D	-2.35	1.38	1.44
17	B	821	CLA	C1B-CHB	2.35	1.47	1.41
17	A	826	CLA	C4D-CHA	2.35	1.46	1.38
17	K	103	CLA	C4C-C3C	2.34	1.49	1.45
17	2	306	CLA	C4C-C3C	2.34	1.49	1.45
17	B	806	CLA	C1C-C2C	2.34	1.49	1.44
17	A	854	CLA	C4B-CHC	2.34	1.47	1.41
17	1	301	CLA	C1B-CHB	2.34	1.47	1.41
17	5	307	CLA	C4B-CHC	2.34	1.47	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	B	821	CLA	C3D-C4D	-2.34	1.38	1.44
17	A	834	CLA	C4D-CHA	2.34	1.46	1.38
17	3	311	CLA	C3D-C4D	-2.34	1.38	1.44
17	B	841	CLA	C1B-CHB	2.34	1.47	1.41
17	B	826	CLA	C4D-CHA	2.34	1.46	1.38
17	A	820	CLA	C3D-C4D	-2.34	1.38	1.44
17	A	825	CLA	C4D-CHA	2.34	1.46	1.38
17	A	838	CLA	C1D-ND	2.33	1.40	1.37
17	B	834	CLA	C4D-CHA	2.33	1.46	1.38
17	3	306	CLA	C1C-C2C	2.33	1.49	1.44
17	3	307	CLA	C4C-C3C	2.33	1.49	1.45
17	A	808	CLA	C4D-CHA	2.33	1.46	1.38
17	B	838	CLA	C4D-CHA	2.33	1.46	1.38
17	2	309	CLA	C3D-C4D	-2.33	1.38	1.44
20	L	205	BCR	C19-C18	-2.33	1.41	1.46
17	B	813	CLA	C1C-C2C	2.33	1.49	1.44
17	5	303	CLA	C3D-C4D	-2.33	1.39	1.44
17	B	836	CLA	C4D-CHA	2.33	1.46	1.38
17	K	103	CLA	C4B-CHC	2.32	1.47	1.41
17	A	833	CLA	C3D-C4D	-2.32	1.39	1.44
17	5	314	CLA	C1B-CHB	2.32	1.47	1.41
17	B	827	CLA	MG-ND	-2.32	2.01	2.05
17	2	306	CLA	C1C-C2C	2.32	1.49	1.44
17	B	823	CLA	C1B-CHB	2.32	1.47	1.41
17	2	305	CLA	C1B-CHB	2.32	1.47	1.41
17	B	813	CLA	C4C-C3C	2.32	1.49	1.45
20	B	847	BCR	C16-C17	-2.32	1.36	1.43
17	B	836	CLA	C1D-ND	2.32	1.40	1.37
17	B	830	CLA	C1D-ND	2.32	1.40	1.37
17	A	830	CLA	C1C-NC	-2.32	1.34	1.37
17	B	832	CLA	C1C-NC	-2.32	1.34	1.37
17	4	304	CLA	C1B-CHB	2.32	1.47	1.41
20	B	843	BCR	C23-C22	-2.32	1.41	1.46
17	A	814	CLA	C1C-C2C	2.31	1.49	1.44
16	A	801	CL0	C1B-CHB	2.31	1.47	1.41
17	1	310	CLA	C1B-CHB	2.31	1.47	1.41
17	3	305	CLA	C3D-C4D	-2.31	1.39	1.44
17	B	828	CLA	C1C-NC	-2.31	1.34	1.37
17	3	311	CLA	C4D-CHA	2.31	1.46	1.38
17	3	310	CLA	C3D-C4D	-2.31	1.39	1.44
17	B	814	CLA	C1B-CHB	2.31	1.47	1.41
17	3	306	CLA	C1B-CHB	2.31	1.47	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	4	311	CLA	C3D-C4D	-2.31	1.39	1.44
17	L	202	CLA	C4B-CHC	2.31	1.47	1.41
17	J	103	CLA	C1C-C2C	2.31	1.49	1.44
17	2	308	CLA	C4B-CHC	2.31	1.47	1.41
17	5	309	CLA	C1B-CHB	2.30	1.47	1.41
17	B	824	CLA	C1C-NC	-2.30	1.34	1.37
17	B	802	CLA	C1B-CHB	2.30	1.47	1.41
17	1	305	CLA	C3D-C4D	-2.30	1.39	1.44
20	O	202	BCR	C14-C13	2.30	1.41	1.35
17	5	309	CLA	C4D-CHA	2.30	1.46	1.38
17	B	837	CLA	C4D-CHA	2.30	1.46	1.38
17	A	808	CLA	C3D-C4D	-2.30	1.39	1.44
17	A	806	CLA	C1B-CHB	2.30	1.47	1.41
17	A	821	CLA	C3D-C4D	-2.30	1.39	1.44
17	4	304	CLA	C3D-C4D	-2.30	1.39	1.44
20	L	205	BCR	C10-C9	2.30	1.41	1.35
17	1	304	CLA	C3D-C4D	-2.30	1.39	1.44
17	A	821	CLA	C4D-CHA	2.30	1.46	1.38
17	B	818	CLA	C4B-CHC	2.29	1.47	1.41
17	2	307	CLA	C1B-CHB	2.29	1.47	1.41
17	A	802	CLA	C1D-ND	2.29	1.40	1.37
17	F	204	CLA	C1B-CHB	2.29	1.47	1.41
17	1	301	CLA	C3D-C4D	-2.29	1.39	1.44
17	B	840	CLA	C4C-C3C	2.29	1.48	1.45
17	1	308	CLA	C3D-C4D	-2.29	1.39	1.44
17	A	837	CLA	C3D-C4D	-2.29	1.39	1.44
17	1	302	CLA	C1C-C2C	2.29	1.49	1.44
17	1	304	CLA	C1B-CHB	2.29	1.47	1.41
17	A	839	CLA	C3D-C4D	-2.28	1.39	1.44
17	4	310	CLA	C3D-C4D	-2.28	1.39	1.44
17	F	203	CLA	C1C-C2C	2.28	1.49	1.44
17	B	835	CLA	C3D-C4D	-2.28	1.39	1.44
17	A	839	CLA	C4C-C3C	2.28	1.48	1.45
17	1	310	CLA	C3D-C4D	-2.28	1.39	1.44
17	3	309	CLA	C1B-CHB	2.28	1.47	1.41
17	L	203	CLA	C4B-CHC	2.28	1.47	1.41
17	A	810	CLA	C1C-C2C	2.28	1.49	1.44
17	4	306	CLA	C3D-C4D	-2.28	1.39	1.44
17	A	853	CLA	OBD-CAD	2.28	1.26	1.22
17	B	840	CLA	CHD-C4C	2.28	1.44	1.39
17	B	809	CLA	C1B-CHB	2.28	1.47	1.41
17	5	306	CLA	C1B-CHB	2.28	1.47	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	5	318	5X6	C41-C17	2.28	1.55	1.50
17	B	806	CLA	C3D-C4D	-2.28	1.39	1.44
17	A	803	CLA	C4C-C3C	2.28	1.48	1.45
17	B	838	CLA	C4B-CHC	2.28	1.47	1.41
17	1	309	CLA	C4C-C3C	2.28	1.48	1.45
17	A	812	CLA	C1C-NC	-2.28	1.34	1.37
17	4	307	CLA	C3D-C4D	-2.28	1.39	1.44
17	2	307	CLA	C4D-CHA	2.28	1.46	1.38
17	A	807	CLA	C4B-CHC	2.27	1.47	1.41
17	B	822	CLA	C3D-C4D	-2.27	1.39	1.44
17	3	305	CLA	C1B-CHB	2.27	1.47	1.41
17	A	852	CLA	MG-ND	-2.27	2.01	2.05
17	A	853	CLA	C1B-CHB	2.27	1.47	1.41
17	3	315	CLA	C3D-C4D	-2.27	1.39	1.44
20	L	201	BCR	C10-C9	2.27	1.41	1.35
17	5	305	CLA	C4C-C3C	2.27	1.48	1.45
17	B	806	CLA	C1B-CHB	2.27	1.47	1.41
17	A	813	CLA	C4B-CHC	2.27	1.47	1.41
17	3	308	CLA	C3D-C4D	-2.27	1.39	1.44
17	2	308	CLA	C1C-C2C	2.27	1.49	1.44
17	1	311	CLA	C3D-C4D	-2.27	1.39	1.44
20	B	845	BCR	C21-C22	2.27	1.41	1.35
17	B	809	CLA	OBD-CAD	2.27	1.26	1.22
17	B	832	CLA	C4C-C3C	2.27	1.48	1.45
20	L	201	BCR	C12-C13	-2.27	1.41	1.46
17	3	312	CLA	C3D-C4D	-2.27	1.39	1.44
17	2	304	CLA	C3D-C4D	-2.27	1.39	1.44
17	5	304	CLA	C4B-CHC	2.26	1.47	1.41
17	5	313	CLA	C1B-CHB	2.26	1.47	1.41
17	A	854	CLA	C1B-CHB	2.26	1.47	1.41
17	3	307	CLA	C3D-C4D	-2.26	1.39	1.44
17	A	812	CLA	C1B-CHB	2.26	1.47	1.41
20	K	104	BCR	C17-C18	2.26	1.41	1.35
17	B	808	CLA	C4B-CHC	2.26	1.47	1.41
17	A	822	CLA	C4B-CHC	2.26	1.47	1.41
17	A	804	CLA	C4D-CHA	2.26	1.46	1.38
17	5	307	CLA	C3D-C4D	-2.26	1.39	1.44
17	4	303	CLA	C1C-C2C	2.26	1.49	1.44
25	1	313	5X6	C41-C17	2.26	1.55	1.50
17	5	303	CLA	C1B-CHB	2.26	1.47	1.41
17	A	813	CLA	C4D-CHA	2.26	1.46	1.38
17	A	854	CLA	C1C-NC	-2.26	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	A	835	CLA	C1D-ND	2.26	1.40	1.37
17	5	311	CLA	C3D-C4D	-2.26	1.39	1.44
17	O	204	CLA	C1B-CHB	2.25	1.47	1.41
17	2	313	CLA	C3D-C4D	-2.25	1.39	1.44
17	5	312	CLA	C4C-C3C	2.25	1.48	1.45
20	B	845	BCR	C19-C18	-2.25	1.41	1.46
17	A	807	CLA	C1C-C2C	2.25	1.49	1.44
17	1	307	CLA	C3D-C4D	-2.25	1.39	1.44
17	B	811	CLA	C4B-CHC	2.25	1.47	1.41
17	2	309	CLA	C4C-C3C	2.25	1.48	1.45
17	B	811	CLA	C1C-NC	-2.25	1.34	1.37
17	B	826	CLA	C1D-ND	2.25	1.40	1.37
17	A	836	CLA	C1B-CHB	2.25	1.47	1.41
17	A	829	CLA	C4B-CHC	2.25	1.47	1.41
20	L	201	BCR	C20-C21	-2.25	1.36	1.43
17	B	827	CLA	C4D-CHA	2.25	1.46	1.38
17	A	815	CLA	C4C-C3C	2.25	1.48	1.45
17	L	202	CLA	C1C-C2C	2.25	1.49	1.44
17	2	308	CLA	C1B-CHB	2.25	1.47	1.41
17	B	809	CLA	C4C-C3C	2.25	1.48	1.45
17	B	805	CLA	C1C-NC	-2.25	1.34	1.37
17	B	833	CLA	C1B-CHB	2.25	1.47	1.41
17	B	837	CLA	C1D-ND	2.25	1.40	1.37
17	5	310	CLA	C3D-C4D	-2.24	1.39	1.44
17	5	304	CLA	C1C-C2C	2.24	1.49	1.44
17	O	203	CLA	C3D-C4D	-2.24	1.39	1.44
17	4	303	CLA	C3D-C4D	-2.24	1.39	1.44
17	4	309	CLA	C3D-C4D	-2.24	1.39	1.44
25	2	319	5X6	C01-C02	2.24	1.54	1.50
17	2	304	CLA	C4C-C3C	2.24	1.48	1.45
17	A	818	CLA	C1C-NC	-2.24	1.34	1.37
17	B	828	CLA	MG-ND	-2.24	2.01	2.05
17	A	803	CLA	C1B-CHB	2.24	1.47	1.41
17	A	812	CLA	C4D-CHA	2.24	1.46	1.38
17	B	815	CLA	C4D-CHA	2.24	1.46	1.38
17	B	832	CLA	C1B-CHB	2.24	1.47	1.41
17	A	816	CLA	C1C-C2C	2.23	1.49	1.44
17	4	308	CLA	C3D-C4D	-2.23	1.39	1.44
17	1	306	CLA	C1B-CHB	2.23	1.47	1.41
17	A	811	CLA	C1C-NC	-2.23	1.34	1.37
17	F	203	CLA	C4B-CHC	2.23	1.47	1.41
17	O	204	CLA	C3D-C4D	-2.23	1.39	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	B	835	CLA	C1C-C2C	2.23	1.49	1.44
17	3	313	CLA	C3D-C4D	-2.23	1.39	1.44
17	A	836	CLA	C4B-CHC	2.23	1.47	1.41
17	B	822	CLA	C1B-CHB	2.23	1.47	1.41
17	A	838	CLA	C1C-NC	-2.23	1.34	1.37
17	B	832	CLA	C1C-C2C	2.23	1.49	1.44
17	B	825	CLA	C1B-CHB	2.23	1.47	1.41
17	A	832	CLA	C4C-C3C	2.23	1.48	1.45
17	A	805	CLA	C4D-CHA	2.23	1.46	1.38
17	B	820	CLA	C4B-CHC	2.23	1.47	1.41
20	L	206	BCR	C17-C18	2.22	1.40	1.35
17	A	816	CLA	C4C-C3C	2.22	1.48	1.45
17	A	827	CLA	C4D-CHA	2.22	1.46	1.38
17	2	310	CLA	C3D-C4D	-2.22	1.39	1.44
17	5	313	CLA	C1C-C2C	2.22	1.49	1.44
17	A	820	CLA	C4B-CHC	2.22	1.47	1.41
20	A	846	BCR	C19-C18	-2.22	1.41	1.46
17	A	855	CLA	C3D-C4D	-2.22	1.39	1.44
17	2	308	CLA	C3D-C4D	-2.22	1.39	1.44
17	A	855	CLA	C4D-CHA	2.22	1.46	1.38
17	B	810	CLA	C4D-CHA	2.22	1.46	1.38
17	B	814	CLA	C4C-C3C	2.22	1.48	1.45
17	2	312	CLA	C3A-C2A	-2.22	1.52	1.54
17	3	307	CLA	C1B-CHB	2.22	1.47	1.41
17	2	314	CLA	C3D-C4D	-2.21	1.39	1.44
17	A	810	CLA	C4B-CHC	2.21	1.47	1.41
17	B	839	CLA	C4D-CHA	2.21	1.46	1.38
17	A	803	CLA	C1C-C2C	2.21	1.49	1.44
17	A	854	CLA	C4D-CHA	2.21	1.46	1.38
17	2	315	CLA	C3D-C4D	-2.21	1.39	1.44
17	5	312	CLA	C3D-C4D	-2.21	1.39	1.44
17	5	302	CLA	C3D-C4D	-2.21	1.39	1.44
17	4	308	CLA	C4C-C3C	2.21	1.48	1.45
17	B	835	CLA	C4D-CHA	2.21	1.46	1.38
17	B	838	CLA	CBD-CAD	-2.21	1.46	1.56
17	A	833	CLA	C4D-CHA	2.21	1.46	1.38
20	A	843	BCR	C21-C22	2.21	1.40	1.35
17	A	828	CLA	C3D-C4D	-2.20	1.39	1.44
17	4	307	CLA	C1B-CHB	2.20	1.47	1.41
25	F	205	5X6	O08-C06	-2.20	1.37	1.43
17	5	306	CLA	C3D-C4D	-2.20	1.39	1.44
17	A	856	CLA	C4D-CHA	2.20	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	2	312	CLA	C3D-C4D	-2.20	1.39	1.44
17	A	836	CLA	CHB-C4A	2.20	1.35	1.33
17	A	852	CLA	C1C-NC	-2.20	1.34	1.37
17	A	837	CLA	C4D-CHA	2.20	1.46	1.38
20	K	104	BCR	C12-C13	-2.20	1.41	1.46
17	A	854	CLA	C3D-C4D	-2.20	1.39	1.44
25	4	313	5X6	C38-C30	2.19	1.54	1.50
17	A	839	CLA	C4D-CHA	2.19	1.45	1.38
17	A	809	CLA	C1C-C2C	2.19	1.49	1.44
25	5	315	5X6	C41-C17	2.19	1.55	1.50
17	L	202	CLA	C4C-C3C	2.19	1.48	1.45
17	A	802	CLA	C1B-CHB	2.19	1.47	1.41
17	5	314	CLA	C3D-C4D	-2.19	1.39	1.44
17	4	311	CLA	C1D-C2D	2.19	1.49	1.45
17	B	834	CLA	C1C-NC	-2.19	1.34	1.37
17	B	812	CLA	C1B-CHB	2.18	1.47	1.41
17	2	315	CLA	C4C-C3C	2.18	1.48	1.45
20	A	843	BCR	C10-C9	2.18	1.40	1.35
17	B	839	CLA	C3D-C4D	-2.18	1.39	1.44
17	L	204	CLA	C3D-C4D	-2.18	1.39	1.44
17	A	810	CLA	C4C-C3C	2.18	1.48	1.45
17	B	831	CLA	C1C-NC	-2.18	1.34	1.37
17	1	309	CLA	C3D-C4D	-2.18	1.39	1.44
17	A	809	CLA	C1B-CHB	2.18	1.47	1.41
17	2	316	CLA	C3D-C4D	-2.18	1.39	1.44
17	5	307	CLA	C1C-C2C	2.18	1.48	1.44
17	A	824	CLA	C4D-CHA	2.18	1.45	1.38
17	B	827	CLA	C1B-CHB	2.18	1.47	1.41
17	B	820	CLA	C1C-NC	-2.18	1.34	1.37
17	B	816	CLA	C3D-C4D	-2.18	1.39	1.44
17	A	853	CLA	C4B-CHC	2.18	1.47	1.41
17	2	311	CLA	C1B-CHB	2.17	1.47	1.41
25	2	320	5X6	C01-C02	2.17	1.54	1.50
17	2	309	CLA	C4B-CHC	2.17	1.47	1.41
17	A	819	CLA	C3D-C4D	-2.17	1.39	1.44
17	B	826	CLA	C1C-C2C	2.17	1.48	1.44
17	L	203	CLA	C4C-C3C	2.17	1.48	1.45
17	A	818	CLA	C4B-CHC	2.17	1.47	1.41
17	B	839	CLA	C1B-CHB	2.16	1.47	1.41
17	B	804	CLA	C3D-C4D	-2.16	1.39	1.44
17	B	815	CLA	C3D-C4D	-2.16	1.39	1.44
17	B	840	CLA	C1B-CHB	2.16	1.47	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	F	203	CLA	C1B-CHB	2.16	1.47	1.41
17	F	204	CLA	C4B-CHC	2.16	1.47	1.41
17	5	310	CLA	C1D-C2D	2.16	1.49	1.45
20	B	847	BCR	C15-C14	-2.16	1.36	1.43
17	B	835	CLA	C1C-NC	-2.16	1.34	1.37
17	J	103	CLA	C4B-CHC	2.16	1.47	1.41
17	A	855	CLA	C1B-CHB	2.16	1.47	1.41
17	B	834	CLA	C4B-CHC	2.15	1.47	1.41
17	A	816	CLA	C4B-CHC	2.15	1.47	1.41
17	B	820	CLA	C4C-C3C	2.15	1.48	1.45
17	B	818	CLA	C4C-C3C	2.15	1.48	1.45
20	A	844	BCR	C10-C9	2.15	1.40	1.35
20	O	202	BCR	C19-C18	-2.15	1.41	1.46
25	2	320	5X6	C41-C17	2.15	1.55	1.50
17	A	852	CLA	C4D-CHA	2.15	1.45	1.38
17	A	807	CLA	C1B-CHB	2.15	1.47	1.41
17	A	814	CLA	C3D-C4D	-2.15	1.39	1.44
17	B	820	CLA	C4D-CHA	2.15	1.45	1.38
20	A	845	BCR	C11-C10	-2.15	1.36	1.43
17	B	809	CLA	C1C-NC	-2.14	1.34	1.37
20	O	202	BCR	C21-C22	2.14	1.40	1.35
17	B	841	CLA	C3D-C4D	-2.14	1.39	1.44
17	A	856	CLA	C4B-CHC	2.14	1.46	1.41
17	5	303	CLA	C4C-C3C	2.14	1.48	1.45
17	B	837	CLA	C1B-CHB	2.14	1.46	1.41
17	A	808	CLA	C1C-C2C	2.14	1.48	1.44
17	A	828	CLA	C4D-CHA	2.13	1.45	1.38
17	A	806	CLA	C3D-C4D	-2.13	1.39	1.44
17	A	831	CLA	C4B-CHC	2.13	1.46	1.41
17	O	205	CLA	C3D-C4D	-2.13	1.39	1.44
20	L	206	BCR	C12-C13	-2.13	1.41	1.46
17	B	808	CLA	CHB-C4A	2.13	1.35	1.33
17	3	314	CLA	C3D-C4D	-2.13	1.39	1.44
17	B	833	CLA	CBD-CAD	-2.13	1.47	1.56
17	A	812	CLA	C1C-C2C	2.13	1.48	1.44
17	B	831	CLA	C1B-CHB	2.13	1.46	1.41
17	B	808	CLA	C4D-CHA	2.13	1.45	1.38
17	A	834	CLA	C4B-CHC	2.13	1.46	1.41
17	B	814	CLA	C1C-C2C	2.13	1.48	1.44
25	4	314	5X6	C38-C30	2.12	1.54	1.50
17	B	830	CLA	C1B-CHB	2.12	1.46	1.41
25	F	205	5X6	C01-C02	2.12	1.54	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
20	K	104	BCR	C19-C18	-2.12	1.41	1.46
17	5	310	CLA	C3A-C2A	-2.12	1.52	1.54
20	B	845	BCR	C14-C13	2.12	1.40	1.35
17	A	838	CLA	C1B-CHB	2.12	1.46	1.41
17	A	827	CLA	OBD-CAD	2.12	1.26	1.22
20	B	848	BCR	C20-C21	-2.12	1.36	1.43
17	A	838	CLA	C4B-CHC	2.12	1.46	1.41
17	4	309	CLA	C1D-C2D	2.11	1.49	1.45
25	5	317	5X6	C38-C30	2.11	1.54	1.50
17	A	835	CLA	C1B-CHB	2.11	1.46	1.41
17	L	202	CLA	C1C-NC	-2.11	1.34	1.37
17	B	819	CLA	C4D-CHA	2.11	1.45	1.38
25	2	317	5X6	C41-C17	2.11	1.55	1.50
20	B	803	BCR	C17-C18	2.11	1.40	1.35
17	5	307	CLA	C1B-CHB	2.11	1.46	1.41
17	B	857	CLA	C4D-CHA	2.11	1.45	1.38
17	B	813	CLA	MG-ND	-2.11	2.01	2.05
17	B	807	CLA	C1C-NC	-2.11	1.34	1.37
17	A	834	CLA	C1C-C2C	2.11	1.48	1.44
17	B	836	CLA	C1C-C2C	2.11	1.48	1.44
17	A	827	CLA	C1B-CHB	2.11	1.46	1.41
17	B	821	CLA	C1C-NC	-2.11	1.34	1.37
17	B	857	CLA	C4B-CHC	2.11	1.46	1.41
17	B	807	CLA	C4B-CHC	2.11	1.46	1.41
20	L	205	BCR	C21-C22	2.11	1.40	1.35
17	A	821	CLA	C1C-C2C	2.10	1.48	1.44
25	3	318	5X6	C01-C02	2.10	1.54	1.50
17	A	823	CLA	C1B-CHB	2.10	1.46	1.41
20	O	202	BCR	C17-C18	2.10	1.40	1.35
17	B	819	CLA	C1B-CHB	2.10	1.46	1.41
17	A	829	CLA	C1C-NC	-2.10	1.34	1.37
17	A	856	CLA	C1B-CHB	2.10	1.46	1.41
17	B	802	CLA	C3D-C4D	-2.10	1.39	1.44
17	K	103	CLA	C1C-C2C	2.10	1.48	1.44
17	B	832	CLA	C4B-CHC	2.10	1.46	1.41
17	A	834	CLA	C1B-CHB	2.10	1.46	1.41
25	5	316	5X6	C01-C02	2.10	1.54	1.50
17	5	307	CLA	C4C-C3C	2.10	1.48	1.45
17	A	859	CLA	C4B-CHC	2.09	1.46	1.41
17	B	816	CLA	C4B-CHC	2.09	1.46	1.41
17	1	305	CLA	C1D-C2D	2.09	1.49	1.45
17	A	856	CLA	C4C-C3C	2.09	1.48	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	2	318	5X6	C41-C17	2.09	1.55	1.50
17	3	312	CLA	C1D-C2D	2.09	1.49	1.45
17	B	834	CLA	C1B-CHB	2.09	1.46	1.41
17	A	831	CLA	C4C-C3C	2.09	1.48	1.45
17	A	809	CLA	MG-ND	-2.09	2.01	2.05
17	A	815	CLA	C4B-CHC	2.09	1.46	1.41
17	A	835	CLA	MG-ND	-2.09	2.01	2.05
17	A	853	CLA	C1C-C2C	2.09	1.48	1.44
25	5	301	5X6	C01-C02	2.09	1.54	1.50
17	A	819	CLA	C4D-CHA	2.08	1.45	1.38
17	A	853	CLA	C1C-NC	-2.08	1.34	1.37
17	A	853	CLA	C4D-CHA	2.08	1.45	1.38
17	A	811	CLA	C1C-C2C	2.08	1.48	1.44
17	B	801	CLA	C4D-CHA	2.08	1.45	1.38
17	5	311	CLA	C1D-C2D	2.08	1.49	1.45
17	A	836	CLA	C4C-C3C	2.08	1.48	1.45
17	5	308	CLA	C1C-NC	-2.08	1.34	1.37
17	A	823	CLA	C4C-C3C	2.08	1.48	1.45
17	3	307	CLA	C1D-C2D	2.08	1.49	1.45
17	B	825	CLA	C4C-C3C	2.08	1.48	1.45
17	3	313	CLA	C1D-C2D	2.08	1.49	1.45
25	3	318	5X6	C38-C30	2.08	1.54	1.50
17	5	304	CLA	C4C-C3C	2.08	1.48	1.45
20	A	844	BCR	C15-C14	-2.07	1.36	1.43
17	1	311	CLA	C1D-C2D	2.07	1.49	1.45
17	1	304	CLA	C4C-C3C	2.07	1.48	1.45
20	A	857	BCR	C15-C14	-2.07	1.36	1.43
17	A	809	CLA	C4C-C3C	2.07	1.48	1.45
25	1	312	5X6	C41-C17	2.07	1.55	1.50
17	A	831	CLA	CBD-CAD	-2.07	1.47	1.56
17	B	807	CLA	C4C-C3C	2.07	1.48	1.45
20	I	101	BCR	C15-C14	-2.07	1.36	1.43
17	B	808	CLA	C1B-CHB	2.07	1.46	1.41
20	J	104	BCR	C17-C18	2.07	1.40	1.35
17	A	828	CLA	C1B-CHB	2.07	1.46	1.41
17	B	809	CLA	C4B-CHC	2.07	1.46	1.41
17	B	810	CLA	C1C-C2C	2.07	1.48	1.44
17	2	309	CLA	C1C-C2C	2.07	1.48	1.44
17	A	855	CLA	C1C-C2C	2.06	1.48	1.44
17	B	809	CLA	C1C-C2C	2.06	1.48	1.44
25	3	316	5X6	C41-C17	2.06	1.55	1.50
17	B	818	CLA	C1C-C2C	2.06	1.48	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	B	804	CLA	MG-ND	-2.06	2.01	2.05
17	A	810	CLA	MG-ND	-2.06	2.01	2.05
17	B	833	CLA	C1C-NC	-2.06	1.34	1.37
17	B	833	CLA	C4D-CHA	2.06	1.45	1.38
17	A	802	CLA	C4D-CHA	2.06	1.45	1.38
17	A	813	CLA	C1C-C2C	2.06	1.48	1.44
20	A	845	BCR	C16-C17	-2.05	1.36	1.43
17	A	821	CLA	C4C-C3C	2.05	1.48	1.45
20	I	101	BCR	C16-C17	-2.05	1.36	1.43
17	2	310	CLA	C1B-CHB	2.05	1.46	1.41
25	3	317	5X6	C01-C02	2.05	1.54	1.50
17	A	826	CLA	C4B-CHC	2.05	1.46	1.41
17	A	817	CLA	C4D-CHA	2.05	1.45	1.38
17	3	310	CLA	C1B-CHB	2.05	1.46	1.41
17	A	821	CLA	C1B-CHB	2.05	1.46	1.41
17	O	203	CLA	C1D-C2D	2.05	1.49	1.45
17	2	308	CLA	C1D-C2D	2.05	1.49	1.45
17	A	809	CLA	C1C-NC	-2.05	1.34	1.37
17	A	809	CLA	C4B-CHC	2.05	1.46	1.41
17	A	804	CLA	C4B-CHC	2.04	1.46	1.41
17	B	823	CLA	C1C-NC	-2.04	1.34	1.37
17	B	801	CLA	MG-ND	-2.04	2.01	2.05
17	A	806	CLA	C4D-CHA	2.04	1.45	1.38
17	A	807	CLA	C4C-C3C	2.04	1.48	1.45
17	B	823	CLA	C4C-C3C	2.04	1.48	1.45
17	A	830	CLA	MG-ND	-2.04	2.01	2.05
20	A	857	BCR	C11-C10	-2.04	1.36	1.43
25	5	318	5X6	C01-C02	2.04	1.54	1.50
20	J	104	BCR	C15-C14	-2.04	1.36	1.43
17	5	302	CLA	C1D-C2D	2.03	1.49	1.45
17	4	305	CLA	C1D-C2D	2.03	1.49	1.45
22	F	201	LMT	O1'-C1'	2.03	1.43	1.40
17	A	824	CLA	CBD-CAD	-2.03	1.47	1.56
20	B	847	BCR	C10-C9	2.03	1.40	1.35
17	1	302	CLA	C4C-C3C	2.03	1.48	1.45
17	3	315	CLA	C1D-C2D	2.03	1.49	1.45
17	5	306	CLA	C1D-C2D	2.03	1.49	1.45
17	A	802	CLA	C4B-CHC	2.03	1.46	1.41
17	B	840	CLA	C4B-CHC	2.03	1.46	1.41
17	B	838	CLA	C1B-CHB	2.03	1.46	1.41
17	O	205	CLA	C1D-C2D	2.03	1.49	1.45
17	B	801	CLA	C4B-CHC	2.03	1.46	1.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
25	J	105	5X6	C41-C17	2.02	1.54	1.50
20	B	844	BCR	C14-C13	2.02	1.40	1.35
17	B	812	CLA	C4B-CHC	2.02	1.46	1.41
25	5	301	5X6	C41-C17	2.02	1.54	1.50
17	B	825	CLA	C1C-NC	-2.02	1.34	1.37
17	B	837	CLA	C4B-CHC	2.02	1.46	1.41
17	B	841	CLA	C4C-C3C	2.02	1.48	1.45
20	B	845	BCR	C17-C18	2.02	1.40	1.35
17	A	810	CLA	C1C-NC	-2.02	1.34	1.37
17	4	310	CLA	C1D-C2D	2.02	1.49	1.45
17	A	831	CLA	C1B-CHB	2.02	1.46	1.41
17	4	304	CLA	C4C-C3C	2.01	1.48	1.45
17	B	802	CLA	C4D-CHA	2.01	1.45	1.38
20	A	857	BCR	C10-C9	2.01	1.40	1.35
17	A	828	CLA	C1D-ND	2.01	1.40	1.37
20	B	846	BCR	C19-C18	-2.01	1.41	1.46
17	2	307	CLA	C1D-C2D	2.01	1.49	1.45
17	A	830	CLA	C4B-CHC	2.01	1.46	1.41
17	B	824	CLA	C3D-C4D	-2.01	1.39	1.44
25	3	316	5X6	C01-C02	2.01	1.54	1.50
17	A	805	CLA	C4B-CHC	2.01	1.46	1.41
17	A	856	CLA	C1C-C2C	2.01	1.48	1.44
17	A	813	CLA	C1B-CHB	2.01	1.46	1.41
20	A	843	BCR	C14-C13	2.01	1.40	1.35
17	A	837	CLA	C1B-CHB	2.01	1.46	1.41
17	A	824	CLA	C1C-C2C	2.01	1.48	1.44
17	B	839	CLA	C1C-C2C	2.01	1.48	1.44
17	B	833	CLA	C4B-CHC	2.01	1.46	1.41
17	2	316	CLA	C1D-C2D	2.00	1.49	1.45
17	A	825	CLA	C1C-C2C	2.00	1.48	1.44
17	A	806	CLA	CBD-CAD	-2.00	1.47	1.56
17	A	815	CLA	C1B-CHB	2.00	1.46	1.41
17	5	314	CLA	C1D-C2D	2.00	1.49	1.45
17	B	811	CLA	C1B-CHB	2.00	1.46	1.41

All (4882) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	805	CLA	O2A-CGA-O1A	-18.10	78.34	123.63
17	B	805	CLA	O2A-CGA-CBA	17.05	163.81	111.83
25	2	321	5X6	C01-C02-C03	-15.02	108.10	124.48
25	F	205	5X6	C28-C27-C26	-14.47	104.83	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	1	316	5X6	C01-C02-C03	-13.95	109.26	124.48
25	1	314	5X6	C38-C30-C29	-13.92	109.30	124.48
25	2	321	5X6	C38-C30-C29	-13.66	109.58	124.48
25	5	318	5X6	C38-C30-C29	-13.51	109.74	124.48
25	F	205	5X6	C24-C25-C26	-13.50	108.34	127.28
25	1	313	5X6	C01-C02-C03	-13.47	109.79	124.48
25	F	205	5X6	C19-C18-C17	-13.39	108.50	127.28
25	J	105	5X6	C24-C25-C26	-13.20	108.76	127.28
25	5	317	5X6	C38-C30-C29	-13.09	110.20	124.48
25	1	315	5X6	C38-C30-C29	-13.09	110.20	124.48
25	3	316	5X6	C38-C30-C29	-13.01	110.29	124.48
25	4	314	5X6	C38-C30-C29	-12.74	110.59	124.48
25	5	317	5X6	C01-C02-C03	-12.73	110.59	124.48
25	1	315	5X6	C01-C02-C03	-12.52	110.83	124.48
25	5	315	5X6	C01-C02-C03	-12.36	110.99	124.48
25	F	205	5X6	C20-C21-C22	-12.25	110.10	127.28
25	1	312	5X6	C01-C02-C03	-12.16	111.22	124.48
25	4	312	5X6	C01-C02-C03	-12.13	111.25	124.48
25	5	318	5X6	C01-C02-C03	-11.86	111.54	124.48
17	B	808	CLA	C1D-ND-C4D	-11.78	98.05	106.31
25	5	316	5X6	C38-C30-C29	-11.75	111.66	124.48
25	5	318	5X6	C15-C14-C13	-11.68	110.89	127.28
25	F	205	5X6	C15-C14-C13	-11.59	111.02	127.28
25	5	315	5X6	C20-C21-C22	-11.58	111.04	127.28
25	5	316	5X6	C20-C21-C22	-11.49	111.16	127.28
25	2	319	5X6	C01-C02-C03	-11.47	111.96	124.48
25	5	301	5X6	C01-C02-C03	-11.26	112.20	124.48
25	2	321	5X6	C15-C14-C13	-11.26	111.49	127.28
25	2	318	5X6	C24-C25-C26	-11.22	111.54	127.28
25	2	317	5X6	C01-C02-C03	-11.21	112.25	124.48
17	A	822	CLA	C1D-ND-C4D	-11.13	98.51	106.31
25	3	316	5X6	C01-C02-C03	-11.10	112.38	124.48
25	4	314	5X6	C01-C02-C03	-11.00	112.48	124.48
25	J	105	5X6	C20-C21-C22	-10.96	111.90	127.28
25	3	318	5X6	C38-C30-C29	-10.91	112.58	124.48
17	2	307	CLA	C1D-ND-C4D	-10.88	98.68	106.31
25	2	319	5X6	C38-C30-C29	-10.88	112.61	124.48
17	B	857	CLA	C1D-ND-C4D	-10.86	98.69	106.31
17	B	839	CLA	C1D-ND-C4D	-10.84	98.71	106.31
25	2	320	5X6	C15-C14-C13	-10.82	112.11	127.28
25	J	105	5X6	C15-C14-C13	-10.81	112.11	127.28
17	B	824	CLA	C1D-ND-C4D	-10.81	98.73	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	3	317	5X6	C01-C02-C03	-10.79	112.71	124.48
17	B	819	CLA	C1D-ND-C4D	-10.78	98.75	106.31
25	F	205	5X6	C38-C30-C29	-10.78	112.73	124.48
25	1	312	5X6	C38-C30-C29	-10.77	112.73	124.48
17	A	807	CLA	C1D-ND-C4D	-10.76	98.77	106.31
17	A	812	CLA	C1D-ND-C4D	-10.75	98.77	106.31
25	5	315	5X6	C15-C14-C13	-10.73	112.23	127.28
25	2	321	5X6	C20-C21-C22	-10.71	112.25	127.28
17	A	854	CLA	C1D-ND-C4D	-10.70	98.80	106.31
17	A	859	CLA	C1D-ND-C4D	-10.69	98.81	106.31
25	4	312	5X6	C38-C30-C29	-10.66	112.85	124.48
25	1	314	5X6	C15-C14-C13	-10.56	112.47	127.28
25	1	313	5X6	C38-C30-C29	-10.55	112.97	124.48
17	3	311	CLA	C1D-ND-C4D	-10.54	98.92	106.31
17	2	311	CLA	C1D-ND-C4D	-10.48	98.96	106.31
17	A	824	CLA	C1D-ND-C4D	-10.47	98.96	106.31
17	A	855	CLA	C1D-ND-C4D	-10.47	98.97	106.31
17	B	822	CLA	C1D-ND-C4D	-10.43	98.99	106.31
17	1	307	CLA	C1D-ND-C4D	-10.42	99.00	106.31
25	3	317	5X6	C38-C30-C29	-10.41	113.12	124.48
25	1	314	5X6	C20-C21-C22	-10.39	112.71	127.28
25	3	318	5X6	C20-C21-C22	-10.38	112.72	127.28
17	A	806	CLA	C1D-ND-C4D	-10.36	99.04	106.31
17	2	305	CLA	C1D-ND-C4D	-10.35	99.05	106.31
25	4	312	5X6	C15-C14-C13	-10.35	112.76	127.28
17	A	814	CLA	C1D-ND-C4D	-10.35	99.05	106.31
17	A	820	CLA	C1D-ND-C4D	-10.33	99.06	106.31
17	A	839	CLA	C1D-ND-C4D	-10.32	99.07	106.31
17	B	833	CLA	C1D-ND-C4D	-10.28	99.10	106.31
17	5	305	CLA	C1D-ND-C4D	-10.28	99.10	106.31
25	2	320	5X6	C38-C30-C29	-10.24	113.31	124.48
17	A	817	CLA	C1D-ND-C4D	-10.23	99.14	106.31
17	5	309	CLA	C1D-ND-C4D	-10.21	99.15	106.31
25	2	321	5X6	C19-C18-C17	-10.21	112.96	127.28
17	4	308	CLA	C1D-ND-C4D	-10.21	99.15	106.31
17	A	837	CLA	C1D-ND-C4D	-10.20	99.15	106.31
17	A	805	CLA	C1D-ND-C4D	-10.20	99.16	106.31
17	3	307	CLA	C1D-ND-C4D	-10.19	99.17	106.31
17	A	821	CLA	C1D-ND-C4D	-10.17	99.17	106.31
25	3	317	5X6	C19-C18-C17	-10.17	113.02	127.28
17	2	304	CLA	C1D-ND-C4D	-10.16	99.18	106.31
17	4	304	CLA	C1D-ND-C4D	-10.15	99.19	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	4	313	5X6	C38-C30-C29	-10.13	113.43	124.48
17	3	305	CLA	C1D-ND-C4D	-10.12	99.21	106.31
25	1	313	5X6	C28-C27-C26	-10.10	111.29	126.23
25	3	318	5X6	C24-C25-C26	-10.08	113.14	127.28
17	1	308	CLA	C1D-ND-C4D	-10.07	99.25	106.31
25	2	320	5X6	C01-C02-C03	-10.06	113.50	124.48
17	1	304	CLA	C1D-ND-C4D	-10.06	99.25	106.31
25	5	315	5X6	C28-C27-C26	-10.05	111.37	126.23
17	B	841	CLA	C1D-ND-C4D	-10.03	99.28	106.31
17	A	856	CLA	C1D-ND-C4D	-10.03	99.28	106.31
17	A	819	CLA	C1D-ND-C4D	-10.02	99.28	106.31
25	5	301	5X6	C38-C30-C29	-10.00	113.57	124.48
17	A	818	CLA	C1D-ND-C4D	-10.00	99.29	106.31
17	O	203	CLA	C1D-ND-C4D	-9.97	99.32	106.31
17	B	830	CLA	C1D-ND-C4D	-9.96	99.32	106.31
17	5	312	CLA	C1D-ND-C4D	-9.96	99.33	106.31
25	1	316	5X6	C24-C25-C26	-9.93	113.34	127.28
25	J	105	5X6	C38-C30-C29	-9.91	113.67	124.48
25	2	317	5X6	C15-C14-C13	-9.91	113.38	127.28
25	3	317	5X6	C15-C14-C13	-9.90	113.39	127.28
17	1	311	CLA	C1D-ND-C4D	-9.89	99.38	106.31
17	5	303	CLA	C1D-ND-C4D	-9.88	99.38	106.31
17	2	315	CLA	C1D-ND-C4D	-9.88	99.38	106.31
17	3	309	CLA	C1D-ND-C4D	-9.88	99.38	106.31
17	B	838	CLA	C1D-ND-C4D	-9.87	99.39	106.31
17	4	311	CLA	C1D-ND-C4D	-9.86	99.39	106.31
17	2	310	CLA	C1D-ND-C4D	-9.86	99.40	106.31
17	B	815	CLA	C1D-ND-C4D	-9.86	99.40	106.31
17	2	314	CLA	C1D-ND-C4D	-9.85	99.40	106.31
25	2	320	5X6	C28-C27-C26	-9.84	111.68	126.23
17	A	813	CLA	C1D-ND-C4D	-9.83	99.42	106.31
25	5	301	5X6	C15-C14-C13	-9.83	113.50	127.28
25	3	316	5X6	C20-C21-C22	-9.83	113.50	127.28
25	3	318	5X6	C15-C14-C13	-9.80	113.53	127.28
17	B	805	CLA	O1A-CGA-CBA	-9.79	85.47	123.78
17	2	309	CLA	C1D-ND-C4D	-9.79	99.45	106.31
25	4	314	5X6	C15-C14-C13	-9.78	113.56	127.28
17	B	840	CLA	C1D-ND-C4D	-9.78	99.45	106.31
17	5	302	CLA	C1D-ND-C4D	-9.78	99.45	106.31
17	B	816	CLA	C1D-ND-C4D	-9.77	99.46	106.31
17	3	315	CLA	C1D-ND-C4D	-9.77	99.46	106.31
25	5	315	5X6	C11-C12-C13	-9.76	111.80	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	5	316	5X6	C15-C14-C13	-9.74	113.61	127.28
17	4	306	CLA	C1D-ND-C4D	-9.74	99.48	106.31
17	B	817	CLA	C1D-ND-C4D	-9.73	99.48	106.31
25	1	315	5X6	C20-C21-C22	-9.73	113.63	127.28
17	B	823	CLA	C1D-ND-C4D	-9.73	99.49	106.31
17	3	312	CLA	C1D-ND-C4D	-9.73	99.49	106.31
25	1	312	5X6	C24-C25-C26	-9.72	113.64	127.28
25	1	315	5X6	C15-C14-C13	-9.72	113.65	127.28
17	2	313	CLA	C1D-ND-C4D	-9.72	99.49	106.31
17	2	316	CLA	C1D-ND-C4D	-9.71	99.50	106.31
17	B	818	CLA	C1D-ND-C4D	-9.71	99.50	106.31
17	5	310	CLA	C1D-ND-C4D	-9.71	99.50	106.31
25	1	313	5X6	C15-C14-C13	-9.71	113.66	127.28
25	5	315	5X6	C38-C30-C29	-9.71	113.89	124.48
17	3	310	CLA	C1D-ND-C4D	-9.68	99.52	106.31
17	4	309	CLA	C1D-ND-C4D	-9.68	99.52	106.31
17	1	310	CLA	C1D-ND-C4D	-9.67	99.52	106.31
17	4	310	CLA	C1D-ND-C4D	-9.67	99.53	106.31
17	L	202	CLA	C1D-ND-C4D	-9.64	99.55	106.31
17	B	809	CLA	C1D-ND-C4D	-9.64	99.55	106.31
17	A	828	CLA	C1D-ND-C4D	-9.63	99.55	106.31
17	5	311	CLA	C1D-ND-C4D	-9.62	99.56	106.31
17	2	312	CLA	C1D-ND-C4D	-9.60	99.58	106.31
17	A	838	CLA	C1D-ND-C4D	-9.60	99.58	106.31
17	B	829	CLA	C1D-ND-C4D	-9.60	99.58	106.31
17	A	802	CLA	C1D-ND-C4D	-9.59	99.58	106.31
17	1	309	CLA	C1D-ND-C4D	-9.59	99.58	106.31
17	A	803	CLA	C1D-ND-C4D	-9.58	99.59	106.31
17	3	314	CLA	C1D-ND-C4D	-9.57	99.59	106.31
17	3	313	CLA	C1D-ND-C4D	-9.57	99.60	106.31
17	O	204	CLA	C1D-ND-C4D	-9.55	99.61	106.31
25	3	316	5X6	C15-C14-C13	-9.54	113.89	127.28
17	L	204	CLA	C1D-ND-C4D	-9.54	99.62	106.31
25	2	321	5X6	C28-C27-C26	-9.53	112.14	126.23
17	5	314	CLA	C1D-ND-C4D	-9.52	99.63	106.31
25	4	314	5X6	C20-C21-C22	-9.50	113.95	127.28
17	B	821	CLA	C1D-ND-C4D	-9.50	99.65	106.31
17	5	306	CLA	C1D-ND-C4D	-9.49	99.65	106.31
17	B	837	CLA	C1D-ND-C4D	-9.49	99.65	106.31
17	5	307	CLA	C1D-ND-C4D	-9.49	99.66	106.31
17	3	306	CLA	C1D-ND-C4D	-9.48	99.66	106.31
17	B	834	CLA	C1D-ND-C4D	-9.48	99.66	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	1	315	5X6	C19-C18-C17	-9.45	114.02	127.28
17	1	305	CLA	C1D-ND-C4D	-9.45	99.68	106.31
17	B	802	CLA	C1D-ND-C4D	-9.45	99.68	106.31
17	O	205	CLA	C1D-ND-C4D	-9.45	99.68	106.31
25	3	318	5X6	C01-C02-C03	-9.42	114.20	124.48
25	1	316	5X6	C15-C14-C13	-9.42	114.07	127.28
25	J	105	5X6	C01-C02-C03	-9.41	114.21	124.48
17	A	810	CLA	C1D-ND-C4D	-9.40	99.72	106.31
25	1	314	5X6	C01-C02-C03	-9.39	114.24	124.48
25	2	319	5X6	C24-C25-C26	-9.38	114.12	127.28
17	1	303	CLA	C1D-ND-C4D	-9.38	99.73	106.31
17	B	805	CLA	C1D-ND-C4D	-9.37	99.74	106.31
17	4	305	CLA	C1D-ND-C4D	-9.37	99.74	106.31
25	4	313	5X6	C01-C02-C03	-9.36	114.27	124.48
25	1	316	5X6	C19-C18-C17	-9.36	114.15	127.28
25	2	317	5X6	C11-C12-C13	-9.35	112.40	126.23
25	5	317	5X6	C19-C18-C17	-9.35	114.17	127.28
25	5	318	5X6	C20-C21-C22	-9.33	114.19	127.28
25	2	318	5X6	C38-C30-C29	-9.32	114.31	124.48
25	1	315	5X6	C24-C25-C26	-9.32	114.21	127.28
25	4	314	5X6	C24-C25-C26	-9.31	114.22	127.28
25	2	318	5X6	C15-C14-C13	-9.31	114.22	127.28
25	4	312	5X6	C19-C18-C17	-9.31	114.22	127.28
17	4	303	CLA	C1D-ND-C4D	-9.30	99.78	106.31
25	2	319	5X6	C15-C14-C13	-9.30	114.24	127.28
17	K	103	CLA	C1D-ND-C4D	-9.30	99.79	106.31
25	4	313	5X6	C11-C12-C13	-9.29	112.48	126.23
25	1	314	5X6	C24-C25-C26	-9.28	114.26	127.28
17	A	833	CLA	C1D-ND-C4D	-9.28	99.80	106.31
25	2	318	5X6	C19-C18-C17	-9.27	114.28	127.28
17	F	204	CLA	C1D-ND-C4D	-9.27	99.81	106.31
25	5	316	5X6	C01-C02-C03	-9.26	114.38	124.48
17	A	808	CLA	C1D-ND-C4D	-9.26	99.82	106.31
17	2	306	CLA	C1D-ND-C4D	-9.26	99.82	106.31
17	4	307	CLA	C1D-ND-C4D	-9.26	99.82	106.31
25	J	105	5X6	C20-C19-C18	-9.24	104.61	123.52
25	4	312	5X6	C24-C25-C26	-9.23	114.33	127.28
17	1	306	CLA	C1D-ND-C4D	-9.23	99.83	106.31
25	2	320	5X6	C20-C21-C22	-9.23	114.33	127.28
25	5	318	5X6	C24-C25-C26	-9.23	114.33	127.28
17	B	832	CLA	C1D-ND-C4D	-9.21	99.85	106.31
17	K	102	CLA	C1D-ND-C4D	-9.20	99.85	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	815	CLA	C1D-ND-C4D	-9.20	99.86	106.31
25	5	318	5X6	C28-C27-C26	-9.19	112.64	126.23
17	B	827	CLA	C1D-ND-C4D	-9.18	99.87	106.31
17	B	826	CLA	C1D-ND-C4D	-9.17	99.88	106.31
17	B	835	CLA	C1D-ND-C4D	-9.16	99.89	106.31
17	B	813	CLA	C1D-ND-C4D	-9.16	99.89	106.31
17	5	308	CLA	C1D-ND-C4D	-9.12	99.92	106.31
17	A	809	CLA	C1D-ND-C4D	-9.10	99.93	106.31
25	3	317	5X6	C24-C25-C26	-9.10	114.52	127.28
17	5	313	CLA	C1D-ND-C4D	-9.08	99.94	106.31
25	2	318	5X6	C01-C02-C03	-9.08	114.57	124.48
17	B	820	CLA	C1D-ND-C4D	-9.08	99.94	106.31
17	2	308	CLA	C1D-ND-C4D	-9.07	99.95	106.31
17	A	836	CLA	C1D-ND-C4D	-9.07	99.95	106.31
25	3	318	5X6	C19-C18-C17	-9.07	114.55	127.28
25	5	317	5X6	C20-C21-C22	-9.06	114.57	127.28
17	B	806	CLA	C1D-ND-C4D	-9.05	99.96	106.31
17	1	302	CLA	C1D-ND-C4D	-9.05	99.97	106.31
17	1	301	CLA	C1D-ND-C4D	-9.04	99.97	106.31
25	5	315	5X6	C19-C18-C17	-9.01	114.65	127.28
17	A	811	CLA	C1D-ND-C4D	-9.01	99.99	106.31
17	B	814	CLA	C1D-ND-C4D	-8.99	100.01	106.31
25	3	316	5X6	C11-C12-C13	-8.96	112.98	126.23
17	L	203	CLA	C1D-ND-C4D	-8.93	100.04	106.31
17	A	825	CLA	C1D-ND-C4D	-8.93	100.05	106.31
25	4	314	5X6	C11-C12-C13	-8.91	113.06	126.23
25	2	317	5X6	C20-C21-C22	-8.89	114.81	127.28
25	5	301	5X6	C24-C25-C26	-8.89	114.81	127.28
25	5	317	5X6	C28-C27-C26	-8.87	113.11	126.23
17	B	810	CLA	C1D-ND-C4D	-8.83	100.11	106.31
17	3	308	CLA	C1D-ND-C4D	-8.82	100.13	106.31
25	1	314	5X6	C28-C27-C26	-8.81	113.21	126.23
25	5	315	5X6	C24-C25-C26	-8.80	114.93	127.28
25	5	317	5X6	C15-C14-C13	-8.80	114.94	127.28
25	1	315	5X6	C11-C12-C13	-8.77	113.26	126.23
17	B	831	CLA	C1D-ND-C4D	-8.77	100.16	106.31
17	A	823	CLA	C1D-ND-C4D	-8.77	100.16	106.31
17	A	827	CLA	C1D-ND-C4D	-8.76	100.16	106.31
17	J	103	CLA	C1D-ND-C4D	-8.74	100.18	106.31
25	2	320	5X6	C24-C25-C26	-8.73	115.03	127.28
17	5	304	CLA	C1D-ND-C4D	-8.69	100.21	106.31
17	A	853	CLA	C1D-ND-C4D	-8.67	100.23	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	834	CLA	C1D-ND-C4D	-8.66	100.23	106.31
17	A	830	CLA	C1D-ND-C4D	-8.63	100.26	106.31
17	F	203	CLA	C1D-ND-C4D	-8.63	100.26	106.31
25	5	316	5X6	C16-C17-C18	-8.63	105.44	119.01
17	A	829	CLA	C1D-ND-C4D	-8.61	100.27	106.31
25	5	301	5X6	C20-C21-C22	-8.60	115.22	127.28
25	4	312	5X6	C20-C21-C22	-8.60	115.22	127.28
17	B	804	CLA	C1D-ND-C4D	-8.56	100.30	106.31
17	A	831	CLA	C1D-ND-C4D	-8.55	100.32	106.31
25	F	205	5X6	C11-C12-C13	-8.52	113.64	126.23
25	2	319	5X6	C11-C12-C13	-8.52	113.64	126.23
25	2	318	5X6	C11-C12-C13	-8.51	113.64	126.23
25	5	301	5X6	C28-C27-C26	-8.50	113.66	126.23
16	A	801	CL0	C1D-ND-C4D	-8.49	100.36	106.31
17	A	835	CLA	C1D-ND-C4D	-8.45	100.38	106.31
17	B	825	CLA	C1D-ND-C4D	-8.45	100.39	106.31
17	B	812	CLA	C1D-ND-C4D	-8.43	100.39	106.31
25	J	105	5X6	C16-C17-C18	-8.43	105.76	119.01
25	4	313	5X6	C20-C21-C22	-8.41	115.49	127.28
25	J	105	5X6	C12-C13-C14	-8.40	105.79	119.01
17	B	836	CLA	C1D-ND-C4D	-8.40	100.42	106.31
25	1	312	5X6	C15-C14-C13	-8.37	115.53	127.28
17	B	828	CLA	C1D-ND-C4D	-8.37	100.44	106.31
25	3	317	5X6	C11-C12-C13	-8.37	113.85	126.23
25	1	312	5X6	C20-C21-C22	-8.37	115.55	127.28
17	B	807	CLA	C1D-ND-C4D	-8.34	100.46	106.31
25	F	205	5X6	C20-C19-C18	-8.32	106.49	123.52
25	5	316	5X6	C11-C12-C13	-8.30	113.96	126.23
25	2	321	5X6	C24-C25-C26	-8.29	115.65	127.28
17	A	816	CLA	C1D-ND-C4D	-8.29	100.50	106.31
25	1	316	5X6	C38-C30-C29	-8.28	115.45	124.48
25	2	317	5X6	C38-C30-C29	-8.21	115.53	124.48
25	J	105	5X6	C19-C18-C17	-8.20	115.77	127.28
25	4	313	5X6	C15-C14-C13	-8.20	115.78	127.28
17	B	811	CLA	C1D-ND-C4D	-8.19	100.56	106.31
25	1	313	5X6	C20-C21-C22	-8.11	115.91	127.28
25	1	315	5X6	C28-C27-C26	-8.08	114.28	126.23
25	4	314	5X6	C19-C18-C17	-8.06	115.97	127.28
25	J	105	5X6	C28-C27-C26	-8.06	114.32	126.23
25	1	313	5X6	C24-C25-C26	-8.01	116.05	127.28
25	3	317	5X6	C28-C27-C26	-7.97	114.44	126.23
17	A	804	CLA	C1D-ND-C4D	-7.97	100.72	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	833	CLA	C2D-C1D-ND	7.96	118.00	110.13
25	5	301	5X6	C19-C18-C17	-7.87	116.25	127.28
25	4	312	5X6	C28-C27-C26	-7.85	114.63	126.23
17	B	801	CLA	C1D-ND-C4D	-7.85	100.81	106.31
25	1	316	5X6	C11-C12-C13	-7.84	114.64	126.23
25	2	317	5X6	C24-C25-C26	-7.83	116.30	127.28
17	A	852	CLA	C1D-ND-C4D	-7.82	100.82	106.31
25	1	312	5X6	C28-C27-C26	-7.79	114.71	126.23
25	3	318	5X6	C11-C12-C13	-7.79	114.72	126.23
17	B	802	CLA	O2D-CGD-CBD	7.78	124.83	111.23
25	2	320	5X6	C19-C18-C17	-7.78	116.37	127.28
17	A	812	CLA	C2D-C1D-ND	7.74	117.79	110.13
17	B	808	CLA	C2D-C1D-ND	7.72	117.77	110.13
17	A	824	CLA	C2D-C1D-ND	7.72	117.77	110.13
17	B	830	CLA	O2D-CGD-CBD	7.67	124.64	111.23
25	5	317	5X6	C11-C12-C13	-7.61	114.98	126.23
25	5	317	5X6	C24-C25-C26	-7.59	116.63	127.28
17	A	837	CLA	C2D-C1D-ND	7.59	117.64	110.13
25	J	105	5X6	C12-C11-C03	-7.59	106.72	127.00
25	3	316	5X6	C41-C17-C18	-7.58	110.53	122.82
17	A	832	CLA	C4A-NA-C1A	-7.58	103.22	106.68
17	A	832	CLA	O2D-CGD-CBD	7.54	124.41	111.23
25	4	313	5X6	C19-C18-C17	-7.53	116.72	127.28
17	A	855	CLA	C2D-C1D-ND	7.53	117.58	110.13
25	J	105	5X6	C11-C12-C13	-7.51	115.12	126.23
17	B	857	CLA	C2D-C1D-ND	7.50	117.55	110.13
17	A	806	CLA	C2D-C1D-ND	7.50	117.55	110.13
17	5	305	CLA	CMD-C2D-C1D	7.49	137.92	124.73
25	5	318	5X6	C11-C12-C13	-7.48	115.17	126.23
17	A	822	CLA	C2D-C1D-ND	7.46	117.51	110.13
25	5	316	5X6	C28-C27-C26	-7.46	115.20	126.23
25	3	318	5X6	C28-C27-C26	-7.45	115.22	126.23
25	5	316	5X6	C24-C25-C26	-7.42	116.87	127.28
25	1	313	5X6	C11-C12-C13	-7.38	115.31	126.23
17	A	828	CLA	O2D-CGD-CBD	7.37	124.11	111.23
25	5	316	5X6	C19-C18-C17	-7.36	116.95	127.28
25	5	318	5X6	C19-C18-C17	-7.36	116.96	127.28
17	A	807	CLA	C2D-C1D-ND	7.35	117.41	110.13
17	B	805	CLA	C2D-C1D-ND	7.34	117.39	110.13
25	2	317	5X6	C28-C27-C26	-7.34	115.37	126.23
25	2	318	5X6	C28-C27-C26	-7.32	115.41	126.23
17	B	824	CLA	C2D-C1D-ND	7.32	117.37	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	5	318	5X6	C42-C13-C14	-7.32	110.96	122.82
17	2	307	CLA	O2D-CGD-CBD	7.29	123.98	111.23
25	2	317	5X6	C19-C18-C17	-7.28	117.07	127.28
17	A	859	CLA	C2D-C1D-ND	7.25	117.30	110.13
17	2	307	CLA	CMD-C2D-C1D	7.25	137.49	124.73
25	1	316	5X6	C20-C21-C22	-7.25	117.12	127.28
17	A	826	CLA	C1D-ND-C4D	-7.24	101.23	106.31
25	1	312	5X6	C11-C12-C13	-7.23	115.54	126.23
17	B	828	CLA	C2D-C1D-ND	7.23	117.28	110.13
25	F	205	5X6	C01-C02-C03	-7.21	116.61	124.48
25	2	319	5X6	C20-C21-C22	-7.21	117.17	127.28
17	A	854	CLA	C2D-C1D-ND	7.18	117.23	110.13
17	A	820	CLA	C2D-C1D-ND	7.14	117.20	110.13
17	B	840	CLA	C2D-C1D-ND	7.13	117.19	110.13
17	A	817	CLA	C2D-C1D-ND	7.13	117.19	110.13
25	F	205	5X6	C12-C11-C03	-7.13	107.95	127.00
25	4	312	5X6	C41-C17-C18	-7.11	111.30	122.82
17	B	857	CLA	O2D-CGD-CBD	7.10	123.64	111.23
25	4	314	5X6	C28-C27-C26	-7.08	115.77	126.23
17	B	809	CLA	O2D-CGD-CBD	7.05	123.55	111.23
17	B	839	CLA	C2D-C1D-ND	7.05	117.10	110.13
25	4	313	5X6	C40-C22-C21	-7.04	111.42	122.82
17	B	838	CLA	C2D-C1D-ND	7.03	117.08	110.13
17	B	822	CLA	C2D-C1D-ND	7.03	117.08	110.13
17	A	818	CLA	C2D-C1D-ND	6.99	117.05	110.13
25	1	314	5X6	C42-C13-C14	-6.99	111.49	122.82
25	2	317	5X6	C40-C22-C21	-6.98	111.51	122.82
25	2	318	5X6	C20-C19-C18	-6.98	109.24	123.52
17	B	826	CLA	C2D-C1D-ND	6.97	117.02	110.13
17	3	307	CLA	CMD-C2D-C1D	6.97	137.00	124.73
17	B	802	CLA	C2D-C1D-ND	6.97	117.02	110.13
25	1	312	5X6	C19-C18-C17	-6.96	117.52	127.28
17	A	805	CLA	C2D-C1D-ND	6.96	117.01	110.13
17	4	305	CLA	CMD-C2D-C1D	6.96	136.98	124.73
17	4	311	CLA	CMD-C2D-C1D	6.95	136.97	124.73
25	1	313	5X6	C19-C18-C17	-6.95	117.54	127.28
17	B	830	CLA	C2D-C1D-ND	6.94	117.00	110.13
17	A	853	CLA	C2D-C1D-ND	6.94	116.99	110.13
17	5	310	CLA	CMD-C2D-C1D	6.93	136.92	124.73
17	A	810	CLA	C2D-C1D-ND	6.92	116.98	110.13
17	1	309	CLA	CMD-C2D-C1D	6.92	136.91	124.73
17	B	821	CLA	C2D-C1D-ND	6.91	116.97	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	2	321	5X6	C41-C17-C18	-6.89	111.66	122.82
25	1	315	5X6	C39-C26-C25	-6.89	111.66	122.82
25	3	316	5X6	C24-C25-C26	-6.88	117.63	127.28
17	A	839	CLA	C2D-C1D-ND	6.88	116.93	110.13
17	B	818	CLA	C2D-C1D-ND	6.88	116.93	110.13
17	B	809	CLA	C2D-C1D-ND	6.87	116.92	110.13
17	2	312	CLA	O2D-CGD-CBD	6.86	123.22	111.23
17	B	819	CLA	C2D-C1D-ND	6.86	116.91	110.13
17	A	853	CLA	O2D-CGD-CBD	6.84	123.19	111.23
17	O	204	CLA	CMD-C2D-C1D	6.83	136.76	124.73
17	3	315	CLA	CMD-C2D-C1D	6.83	136.76	124.73
25	3	316	5X6	C19-C18-C17	-6.83	117.70	127.28
17	A	856	CLA	C2D-C1D-ND	6.82	116.88	110.13
25	5	316	5X6	C20-C19-C18	-6.82	109.57	123.52
25	5	318	5X6	C40-C22-C21	-6.81	111.79	122.82
25	4	313	5X6	C24-C25-C26	-6.79	117.75	127.28
17	B	837	CLA	C2D-C1D-ND	6.78	116.84	110.13
17	3	312	CLA	CMD-C2D-C1D	6.77	136.65	124.73
17	B	813	CLA	CMD-C2D-C1D	6.77	136.65	124.73
25	1	313	5X6	C42-C13-C14	-6.77	111.86	122.82
17	3	308	CLA	CMD-C2D-C1D	6.76	136.64	124.73
25	1	315	5X6	C41-C17-C18	-6.76	111.86	122.82
25	2	317	5X6	C41-C17-C18	-6.76	111.86	122.82
25	5	301	5X6	C11-C12-C13	-6.76	116.23	126.23
17	B	829	CLA	C2D-C1D-ND	6.76	116.81	110.13
17	3	305	CLA	CMD-C2D-C1D	6.75	136.62	124.73
17	5	307	CLA	C2D-C1D-ND	6.74	116.80	110.13
17	2	304	CLA	CMD-C2D-C1D	6.73	136.59	124.73
25	1	314	5X6	C40-C22-C21	-6.73	111.91	122.82
17	O	205	CLA	CMD-C2D-C1D	6.73	136.58	124.73
17	A	828	CLA	C2D-C1D-ND	6.73	116.78	110.13
17	1	311	CLA	CMD-C2D-C1D	6.72	136.57	124.73
17	5	311	CLA	CMD-C2D-C1D	6.72	136.56	124.73
25	5	315	5X6	C40-C22-C21	-6.71	111.95	122.82
17	2	316	CLA	CMD-C2D-C1D	6.71	136.54	124.73
17	O	203	CLA	CMD-C2D-C1D	6.70	136.52	124.73
17	A	811	CLA	C2D-C1D-ND	6.70	116.75	110.13
17	3	313	CLA	CMD-C2D-C1D	6.69	136.51	124.73
17	2	313	CLA	CMD-C2D-C1D	6.68	136.49	124.73
17	1	310	CLA	CMD-C2D-C1D	6.68	136.49	124.73
17	5	314	CLA	CMD-C2D-C1D	6.68	136.49	124.73
17	K	102	CLA	CMD-C2D-C1D	6.68	136.49	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	819	CLA	CMD-C2D-C1D	6.68	136.48	124.73
17	2	311	CLA	CMD-C2D-C1D	6.68	136.48	124.73
25	2	318	5X6	C42-C13-C14	-6.67	112.01	122.82
25	4	314	5X6	C39-C26-C25	-6.67	112.01	122.82
17	4	309	CLA	CMD-C2D-C1D	6.67	136.47	124.73
17	2	305	CLA	CMD-C2D-C1D	6.66	136.46	124.73
17	2	314	CLA	CMD-C2D-C1D	6.66	136.46	124.73
25	4	313	5X6	C28-C27-C26	-6.66	116.38	126.23
17	B	827	CLA	C2D-C1D-ND	6.66	116.72	110.13
25	2	319	5X6	C28-C27-C26	-6.66	116.39	126.23
17	B	813	CLA	C2D-C1D-ND	6.66	116.71	110.13
17	1	303	CLA	CMD-C2D-C1D	6.65	136.45	124.73
16	A	801	CL0	C2D-C1D-ND	6.64	116.70	110.13
17	4	310	CLA	CMD-C2D-C1D	6.64	136.42	124.73
17	F	204	CLA	CMD-C2D-C1D	6.63	136.41	124.73
17	3	314	CLA	CMD-C2D-C1D	6.63	136.41	124.73
17	A	825	CLA	C2D-C1D-ND	6.62	116.67	110.13
17	A	809	CLA	C2D-C1D-ND	6.61	116.67	110.13
17	5	304	CLA	CMD-C2D-C1D	6.61	136.36	124.73
17	A	815	CLA	C2D-C1D-ND	6.60	116.66	110.13
25	3	316	5X6	C40-C22-C21	-6.59	112.13	122.82
17	3	311	CLA	CMD-C2D-C1D	6.59	136.34	124.73
17	4	308	CLA	CMD-C2D-C1D	6.59	136.34	124.73
17	B	807	CLA	C2D-C1D-ND	6.58	116.64	110.13
17	A	807	CLA	CMD-C2D-C1D	6.58	136.32	124.73
17	2	315	CLA	CMD-C2D-C1D	6.58	136.31	124.73
17	1	305	CLA	CMD-C2D-C1D	6.57	136.30	124.73
17	5	302	CLA	CMD-C2D-C1D	6.57	136.30	124.73
17	A	821	CLA	C2D-C1D-ND	6.57	116.63	110.13
17	3	309	CLA	CMD-C2D-C1D	6.57	136.29	124.73
17	A	821	CLA	CMD-C2D-C1D	6.56	136.27	124.73
17	4	306	CLA	CMD-C2D-C1D	6.56	136.27	124.73
17	3	306	CLA	CMD-C2D-C1D	6.55	136.26	124.73
25	F	205	5X6	C39-C26-C25	-6.55	112.21	122.82
25	5	301	5X6	C42-C13-C14	-6.54	112.22	122.82
17	5	306	CLA	CMD-C2D-C1D	6.54	136.25	124.73
17	A	804	CLA	C2D-C1D-ND	6.54	116.60	110.13
17	5	309	CLA	C2D-C1D-ND	6.54	116.60	110.13
17	A	836	CLA	C2D-C1D-ND	6.52	116.58	110.13
17	B	804	CLA	C2D-C1D-ND	6.52	116.58	110.13
17	A	838	CLA	C2D-C1D-ND	6.51	116.57	110.13
17	A	832	CLA	C1D-ND-C4D	-6.51	101.75	106.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	817	CLA	C2D-C1D-ND	6.50	116.56	110.13
17	L	202	CLA	CMD-C2D-C1D	6.50	136.17	124.73
17	1	307	CLA	C2D-C1D-ND	6.49	116.55	110.13
20	B	803	BCR	C8-C9-C10	6.49	129.21	119.01
25	1	314	5X6	C11-C12-C13	-6.48	116.64	126.23
17	2	309	CLA	CMD-C2D-C1D	6.48	136.15	124.73
25	J	105	5X6	C19-C20-C21	-6.48	110.26	123.52
17	5	303	CLA	CMD-C2D-C1D	6.47	136.13	124.73
17	5	309	CLA	CMD-C2D-C1D	6.47	136.12	124.73
25	F	205	5X6	C41-C17-C18	-6.45	112.37	122.82
17	4	303	CLA	CMD-C2D-C1D	6.45	136.08	124.73
17	2	311	CLA	C2D-C1D-ND	6.44	116.50	110.13
17	B	825	CLA	O2D-CGD-CBD	6.44	122.48	111.23
25	1	316	5X6	C28-C27-C26	-6.44	116.72	126.23
17	A	823	CLA	C2D-C1D-ND	6.43	116.49	110.13
17	A	826	CLA	C4A-NA-C1A	-6.42	103.75	106.68
25	3	316	5X6	C27-C26-C25	-6.42	108.91	119.01
25	5	316	5X6	C27-C26-C25	-6.41	108.93	119.01
25	2	318	5X6	C20-C21-C22	-6.40	118.30	127.28
17	B	840	CLA	C2C-C1C-NC	6.40	116.70	109.98
17	5	313	CLA	CMD-C2D-C1D	6.39	135.97	124.73
17	A	819	CLA	C2D-C1D-ND	6.38	116.44	110.13
17	A	852	CLA	C2D-C1D-ND	6.38	116.44	110.13
17	A	856	CLA	O2D-CGD-CBD	6.38	122.39	111.23
17	O	204	CLA	O2D-CGD-CBD	6.38	122.38	111.23
17	A	804	CLA	CMD-C2D-C1D	6.38	135.96	124.73
17	4	304	CLA	CMD-C2D-C1D	6.37	135.95	124.73
17	A	831	CLA	C2D-C1D-ND	6.37	116.43	110.13
17	A	803	CLA	C2D-C1D-ND	6.37	116.43	110.13
17	B	810	CLA	C2D-C1D-ND	6.37	116.43	110.13
17	A	816	CLA	C4A-NA-C1A	-6.37	103.78	106.68
17	A	814	CLA	C2D-C1D-ND	6.36	116.42	110.13
25	3	318	5X6	C42-C13-C14	-6.36	112.51	122.82
17	A	802	CLA	C2D-C1D-ND	6.36	116.42	110.13
17	B	806	CLA	O2D-CGD-CBD	6.35	122.33	111.23
17	2	306	CLA	CMD-C2D-C1D	6.34	135.90	124.73
17	B	823	CLA	CMD-C2D-C1D	6.34	135.89	124.73
17	A	855	CLA	CMD-C2D-C1D	6.33	135.88	124.73
17	2	312	CLA	CMD-C2D-C1D	6.33	135.87	124.73
17	A	830	CLA	C2D-C1D-ND	6.33	116.39	110.13
25	J	105	5X6	C14-C15-C16	-6.32	104.89	123.20
17	4	303	CLA	O2D-CGD-CBD	6.32	122.27	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	825	CLA	CMD-C2D-C1D	6.32	135.85	124.73
17	B	815	CLA	C2D-C1D-ND	6.31	116.37	110.13
17	3	311	CLA	C2D-C1D-ND	6.30	116.36	110.13
25	1	314	5X6	C20-C19-C18	-6.30	110.62	123.52
25	5	316	5X6	C23-C22-C21	-6.30	109.10	119.01
17	2	310	CLA	CMD-C2D-C1D	6.29	135.81	124.73
17	B	817	CLA	CMD-C2D-C1D	6.29	135.80	124.73
17	B	836	CLA	C2D-C1D-ND	6.29	116.35	110.13
17	A	813	CLA	C2D-C1D-ND	6.28	116.34	110.13
17	B	841	CLA	C2D-C1D-ND	6.28	116.34	110.13
17	2	308	CLA	CMD-C2D-C1D	6.28	135.78	124.73
17	5	312	CLA	C2D-C1D-ND	6.27	116.34	110.13
17	1	304	CLA	CMD-C2D-C1D	6.27	135.77	124.73
17	A	827	CLA	C2D-C1D-ND	6.27	116.33	110.13
25	2	321	5X6	C11-C12-C13	-6.26	116.97	126.23
17	2	305	CLA	C2D-C1D-ND	6.26	116.33	110.13
17	3	311	CLA	O2D-CGD-CBD	6.26	122.18	111.23
17	1	308	CLA	C2D-C1D-ND	6.26	116.33	110.13
17	A	808	CLA	C2D-C1D-ND	6.26	116.32	110.13
17	4	308	CLA	C2D-C1D-ND	6.26	116.32	110.13
25	F	205	5X6	C16-C17-C18	-6.24	109.19	119.01
17	3	309	CLA	C2D-C1D-ND	6.23	116.29	110.13
25	2	319	5X6	C39-C26-C25	-6.22	112.73	122.82
25	J	105	5X6	C23-C22-C21	-6.22	109.23	119.01
17	A	823	CLA	CMD-C2D-C1D	6.22	135.68	124.73
17	B	806	CLA	C2D-C1D-ND	6.20	116.27	110.13
25	3	316	5X6	C28-C27-C26	-6.20	117.06	126.23
17	B	804	CLA	C2C-C1C-NC	6.20	116.49	109.98
25	1	312	5X6	C16-C17-C18	-6.19	109.27	119.01
17	B	832	CLA	CMD-C2D-C1D	6.19	135.62	124.73
25	5	301	5X6	C41-C17-C18	-6.18	112.80	122.82
17	B	834	CLA	CMD-C2D-C1D	6.18	135.61	124.73
17	A	859	CLA	CMD-C2D-C1D	6.18	135.61	124.73
17	L	204	CLA	CMD-C2D-C1D	6.18	135.61	124.73
25	5	317	5X6	C41-C17-C18	-6.17	112.82	122.82
17	B	833	CLA	CMD-C2D-C1D	6.17	135.59	124.73
25	2	318	5X6	C39-C26-C25	-6.17	112.83	122.82
17	B	801	CLA	C2D-C1D-ND	6.17	116.23	110.13
17	L	202	CLA	C2D-C1D-ND	6.16	116.23	110.13
17	A	833	CLA	C2D-C1D-ND	6.16	116.22	110.13
25	5	315	5X6	C16-C17-C18	-6.15	109.33	119.01
17	A	825	CLA	CHD-C4C-C3C	-6.15	115.81	124.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	816	CLA	C2D-C1D-ND	6.15	116.21	110.13
17	A	822	CLA	CMD-C2D-C1D	6.14	135.55	124.73
17	A	810	CLA	CMD-C2D-C1D	6.14	135.53	124.73
17	B	833	CLA	C3D-C2D-C1D	-6.13	97.46	105.83
17	B	835	CLA	C2D-C1D-ND	6.13	116.20	110.13
17	4	304	CLA	C2D-C1D-ND	6.13	116.19	110.13
17	B	834	CLA	C2D-C1D-ND	6.13	116.19	110.13
17	K	103	CLA	C2D-C1D-ND	6.12	116.18	110.13
17	2	304	CLA	C2D-C1D-ND	6.11	116.17	110.13
25	2	319	5X6	C42-C13-C14	-6.11	112.92	122.82
17	B	805	CLA	CHD-C4C-C3C	-6.10	115.89	124.77
17	B	814	CLA	C2D-C1D-ND	6.09	116.16	110.13
17	F	204	CLA	CAC-C3C-C4C	6.09	132.71	124.79
17	B	810	CLA	CMD-C2D-C1D	6.09	135.45	124.73
25	5	317	5X6	C42-C13-C14	-6.08	112.96	122.82
25	F	205	5X6	C19-C20-C21	-6.08	111.08	123.52
17	A	814	CLA	CMD-C2D-C1D	6.07	135.43	124.73
17	K	103	CLA	CMD-C2D-C1D	6.07	135.43	124.73
17	A	809	CLA	CMD-C2D-C1D	6.07	135.43	124.73
17	2	312	CLA	C2D-C1D-ND	6.07	116.14	110.13
17	A	837	CLA	C4A-NA-C1A	-6.06	103.91	106.68
17	1	307	CLA	CMD-C2D-C1D	6.06	135.40	124.73
25	1	316	5X6	C41-C17-C18	-6.06	113.00	122.82
25	5	316	5X6	C19-C20-C21	-6.05	111.13	123.52
17	5	303	CLA	C2D-C1D-ND	6.05	116.12	110.13
17	A	825	CLA	O2D-CGD-CBD	6.05	121.81	111.23
17	A	828	CLA	C2C-C1C-NC	6.05	116.34	109.98
17	1	308	CLA	CMD-C2D-C1D	6.05	135.38	124.73
17	2	307	CLA	C2D-C1D-ND	6.05	116.11	110.13
17	2	306	CLA	C2D-C1D-ND	6.04	116.11	110.13
17	K	102	CLA	C2D-C1D-ND	6.04	116.10	110.13
17	2	314	CLA	C2D-C1D-ND	6.04	116.10	110.13
17	3	306	CLA	C2D-C1D-ND	6.04	116.10	110.13
17	3	305	CLA	C2D-C1D-ND	6.03	116.10	110.13
25	5	317	5X6	C40-C22-C21	-6.03	113.04	122.82
17	A	835	CLA	C2D-C1D-ND	6.03	116.09	110.13
25	5	315	5X6	C42-C13-C14	-6.03	113.05	122.82
17	F	204	CLA	O2D-CGD-CBD	6.03	121.77	111.23
17	2	309	CLA	C2D-C1D-ND	6.02	116.09	110.13
17	B	831	CLA	C2D-C1D-ND	6.02	116.08	110.13
17	B	814	CLA	O2D-CGD-CBD	6.01	121.74	111.23
17	B	809	CLA	CMD-C2D-C1D	6.01	135.31	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	3	310	CLA	CMD-C2D-C1D	6.01	135.31	124.73
17	2	315	CLA	C2D-C1D-ND	6.01	116.07	110.13
17	B	841	CLA	CMD-C2D-C1D	6.01	135.30	124.73
25	4	314	5X6	C42-C13-C14	-5.99	113.11	122.82
17	A	823	CLA	C2C-C1C-NC	5.98	116.26	109.98
25	3	316	5X6	C42-C13-C14	-5.98	113.13	122.82
17	B	831	CLA	CMD-C2D-C1D	5.98	135.25	124.73
17	2	313	CLA	C2D-C1D-ND	5.98	116.04	110.13
17	1	304	CLA	C2D-C1D-ND	5.97	116.03	110.13
17	A	823	CLA	O2D-CGD-CBD	5.96	121.66	111.23
25	1	315	5X6	C42-C13-C14	-5.96	113.16	122.82
17	1	306	CLA	CMD-C2D-C1D	5.96	135.22	124.73
25	2	321	5X6	C20-C19-C18	-5.96	111.32	123.52
17	B	825	CLA	C2D-C1D-ND	5.96	116.02	110.13
17	B	820	CLA	CMD-C2D-C1D	5.96	135.22	124.73
17	B	840	CLA	CMD-C2D-C1D	5.96	135.22	124.73
17	B	802	CLA	CHD-C4C-C3C	-5.95	116.09	124.77
17	3	315	CLA	C2D-C1D-ND	5.95	116.02	110.13
17	A	829	CLA	C2D-C1D-ND	5.95	116.02	110.13
17	A	823	CLA	CHD-C4C-C3C	-5.95	116.10	124.77
17	3	307	CLA	C2D-C1D-ND	5.95	116.01	110.13
17	B	805	CLA	CAA-C2A-C3A	-5.95	96.93	113.00
17	A	837	CLA	O2D-CGD-CBD	5.95	121.62	111.23
17	B	817	CLA	O2D-CGD-CBD	5.94	121.62	111.23
25	3	317	5X6	C39-C26-C25	-5.94	113.19	122.82
17	A	809	CLA	O2D-CGD-CBD	5.94	121.61	111.23
17	1	303	CLA	C2D-C1D-ND	5.93	116.00	110.13
25	F	205	5X6	C12-C13-C14	-5.93	109.68	119.01
17	4	303	CLA	C2D-C1D-ND	5.93	115.99	110.13
17	1	311	CLA	O2D-CGD-CBD	5.93	121.59	111.23
17	O	203	CLA	C2D-C1D-ND	5.93	115.99	110.13
17	A	854	CLA	CHD-C4C-C3C	-5.93	116.13	124.77
25	1	316	5X6	C42-C13-C14	-5.93	113.22	122.82
17	3	314	CLA	C2D-C1D-ND	5.91	115.98	110.13
17	2	316	CLA	C2D-C1D-ND	5.91	115.97	110.13
17	B	824	CLA	CHD-C4C-C3C	-5.91	116.16	124.77
17	A	812	CLA	CHD-C4C-C3C	-5.90	116.17	124.77
17	5	302	CLA	C2D-C1D-ND	5.90	115.96	110.13
17	A	803	CLA	CMD-C2D-C1D	5.90	135.11	124.73
17	F	203	CLA	C2D-C1D-ND	5.89	115.96	110.13
17	A	832	CLA	C2C-C1C-NC	5.89	116.17	109.98
17	3	310	CLA	C2D-C1D-ND	5.89	115.96	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	825	CLA	CHD-C4C-C3C	-5.89	116.19	124.77
17	1	309	CLA	C2D-C1D-ND	5.89	115.95	110.13
17	O	204	CLA	C2D-C1D-ND	5.89	115.95	110.13
17	B	838	CLA	O2D-CGD-CBD	5.88	121.52	111.23
17	1	310	CLA	C2D-C1D-ND	5.88	115.95	110.13
17	A	816	CLA	C2D-C1D-ND	5.88	115.94	110.13
25	1	313	5X6	C40-C22-C21	-5.88	113.30	122.82
25	5	316	5X6	C40-C22-C21	-5.87	113.31	122.82
17	5	307	CLA	CMD-C2D-C1D	5.87	135.06	124.73
17	B	816	CLA	CMD-C2D-C1D	5.87	135.06	124.73
17	B	814	CLA	CAC-C3C-C4C	5.87	132.42	124.79
25	5	316	5X6	C27-C28-C29	-5.87	111.33	127.00
17	2	310	CLA	C2D-C1D-ND	5.87	115.93	110.13
17	1	311	CLA	C2D-C1D-ND	5.86	115.93	110.13
17	5	308	CLA	CMD-C2D-C1D	5.86	135.04	124.73
17	1	304	CLA	CHD-C4C-C3C	-5.86	116.24	124.77
17	B	832	CLA	C2D-C1D-ND	5.85	115.91	110.13
17	B	827	CLA	CMD-C2D-C1D	5.85	135.03	124.73
17	A	853	CLA	C2C-C1C-NC	5.84	116.12	109.98
17	A	803	CLA	C2C-C1C-NC	5.84	116.12	109.98
17	B	835	CLA	CMD-C2D-C1D	5.84	135.01	124.73
17	5	314	CLA	C2D-C1D-ND	5.84	115.90	110.13
17	A	813	CLA	CMD-C2D-C1D	5.83	135.00	124.73
17	1	307	CLA	CHD-C4C-C3C	-5.83	116.27	124.77
25	1	312	5X6	C20-C19-C18	-5.83	111.59	123.52
17	3	315	CLA	O2D-CGD-CBD	5.83	121.42	111.23
17	5	305	CLA	C2D-C1D-ND	5.83	115.90	110.13
17	B	817	CLA	CHD-C4C-C3C	-5.83	116.28	124.77
25	4	312	5X6	C39-C26-C25	-5.82	113.38	122.82
25	2	320	5X6	C40-C22-C21	-5.82	113.38	122.82
17	5	311	CLA	C2D-C1D-ND	5.82	115.89	110.13
17	5	312	CLA	CMD-C2D-C1D	5.82	134.98	124.73
17	B	814	CLA	CMD-C2D-C1D	5.82	134.97	124.73
17	A	834	CLA	C2D-C1D-ND	5.82	115.88	110.13
25	5	318	5X6	C39-C26-C25	-5.81	113.40	122.82
17	O	205	CLA	O2D-CGD-CBD	5.81	121.39	111.23
17	A	827	CLA	CMD-C2D-C1D	5.81	134.96	124.73
17	A	824	CLA	CHD-C4C-C3C	-5.81	116.31	124.77
17	A	826	CLA	C2D-C1D-ND	5.81	115.87	110.13
17	A	839	CLA	CMD-C2D-C1D	5.80	134.94	124.73
17	B	821	CLA	CMD-C2D-C1D	5.80	134.94	124.73
17	A	826	CLA	C2C-C1C-NC	5.80	116.07	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	5	306	CLA	C2D-C1D-ND	5.80	115.86	110.13
25	5	316	5X6	C12-C13-C14	-5.79	109.90	119.01
17	4	311	CLA	C2D-C1D-ND	5.79	115.86	110.13
25	3	317	5X6	C41-C17-C18	-5.79	113.44	122.82
17	A	811	CLA	CHD-C4C-C3C	-5.79	116.33	124.77
17	L	203	CLA	C2D-C1D-ND	5.79	115.85	110.13
25	F	205	5X6	C23-C22-C21	-5.79	109.91	119.01
17	F	203	CLA	CMD-C2D-C1D	5.78	134.91	124.73
17	A	822	CLA	CHD-C4C-C3C	-5.78	116.34	124.77
17	B	808	CLA	CHD-C4C-C3C	-5.78	116.35	124.77
17	2	311	CLA	CHD-C4C-C3C	-5.78	116.35	124.77
25	5	316	5X6	C42-C13-C14	-5.78	113.46	122.82
25	1	314	5X6	C19-C18-C17	-5.77	119.18	127.28
17	5	305	CLA	O2D-CGD-CBD	5.77	121.32	111.23
17	B	821	CLA	CHD-C4C-C3C	-5.77	116.36	124.77
17	O	205	CLA	C2D-C1D-ND	5.77	115.84	110.13
17	3	312	CLA	C2D-C1D-ND	5.77	115.83	110.13
25	3	317	5X6	C42-C13-C14	-5.77	113.48	122.82
17	B	839	CLA	CMD-C2D-C1D	5.76	134.87	124.73
17	4	307	CLA	O2D-CGD-CBD	5.76	121.29	111.23
17	A	808	CLA	CMD-C2D-C1D	5.76	134.86	124.73
17	4	309	CLA	C2D-C1D-ND	5.76	115.82	110.13
17	4	306	CLA	C2D-C1D-ND	5.75	115.82	110.13
17	B	807	CLA	CMD-C2D-C1D	5.75	134.85	124.73
17	J	103	CLA	CMD-C2D-C1D	5.75	134.85	124.73
17	5	310	CLA	C2D-C1D-ND	5.75	115.81	110.13
17	B	810	CLA	C2C-C1C-NC	5.74	116.02	109.98
17	A	854	CLA	CMD-C2D-C1D	5.74	134.84	124.73
17	A	834	CLA	CMD-C2D-C1D	5.74	134.83	124.73
17	B	811	CLA	CMD-C2D-C1D	5.74	134.83	124.73
17	4	310	CLA	C2D-C1D-ND	5.73	115.80	110.13
17	B	828	CLA	C3D-C2D-C1D	-5.73	98.01	105.83
17	A	824	CLA	C3D-C2D-C1D	-5.73	98.02	105.83
17	B	805	CLA	CMD-C2D-C1D	5.72	134.81	124.73
17	B	827	CLA	O2D-CGD-CBD	5.72	121.23	111.23
17	5	305	CLA	CAA-C2A-C3A	-5.72	97.54	113.00
17	A	859	CLA	CHD-C4C-C3C	-5.72	116.43	124.77
17	B	839	CLA	CHD-C4C-C3C	-5.72	116.43	124.77
17	A	818	CLA	CMD-C2D-C1D	5.72	134.80	124.73
25	2	317	5X6	C42-C13-C14	-5.72	113.55	122.82
17	A	837	CLA	CHD-C4C-C3C	-5.72	116.44	124.77
25	1	314	5X6	C39-C26-C25	-5.72	113.56	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	3	317	5X6	C20-C19-C18	-5.71	111.83	123.52
17	3	313	CLA	C2D-C1D-ND	5.71	115.78	110.13
17	B	822	CLA	CHD-C4C-C3C	-5.71	116.45	124.77
17	A	838	CLA	CMD-C2D-C1D	5.71	134.78	124.73
17	B	816	CLA	O2D-CGD-CBD	5.70	121.20	111.23
25	J	105	5X6	C40-C22-C21	-5.70	113.58	122.82
25	3	318	5X6	C41-C17-C18	-5.70	113.58	122.82
17	A	826	CLA	CMD-C2D-C1D	5.70	134.77	124.73
25	2	319	5X6	C40-C22-C21	-5.70	113.58	122.82
17	A	855	CLA	CHD-C4C-C3C	-5.70	116.46	124.77
17	A	838	CLA	O2D-CGD-CBD	5.70	121.19	111.23
25	1	312	5X6	C39-C26-C25	-5.70	113.58	122.82
17	A	816	CLA	CMD-C2D-C1D	5.70	134.76	124.73
17	A	839	CLA	CHD-C4C-C3C	-5.69	116.47	124.77
25	F	205	5X6	C25-C24-C23	-5.69	106.70	123.20
17	B	805	CLA	O2D-CGD-CBD	5.69	121.18	111.23
17	B	828	CLA	CHD-C4C-C3C	-5.69	116.48	124.77
17	B	837	CLA	CHD-C4C-C3C	-5.68	116.49	124.77
25	3	316	5X6	C27-C28-C29	-5.68	111.83	127.00
17	B	822	CLA	CMD-C2D-C1D	5.68	134.73	124.73
17	B	833	CLA	CHD-C4C-C3C	-5.68	116.49	124.77
25	5	318	5X6	C20-C19-C18	-5.67	111.91	123.52
17	4	307	CLA	CMD-C2D-C1D	5.67	134.72	124.73
17	3	311	CLA	CHD-C4C-C3C	-5.67	116.50	124.77
17	B	805	CLA	C3D-C2D-C1D	-5.67	98.09	105.83
25	2	320	5X6	C16-C17-C18	-5.67	110.10	119.01
25	2	319	5X6	C19-C18-C17	-5.66	119.33	127.28
17	F	204	CLA	C2D-C1D-ND	5.66	115.73	110.13
17	A	827	CLA	CHD-C4C-C3C	-5.66	116.52	124.77
25	F	205	5X6	C27-C26-C25	-5.66	110.11	119.01
17	B	811	CLA	C2D-C1D-ND	5.65	115.72	110.13
17	B	827	CLA	CHD-C4C-C3C	-5.65	116.53	124.77
17	J	103	CLA	C2D-C1D-ND	5.65	115.72	110.13
25	4	314	5X6	C41-C17-C18	-5.65	113.66	122.82
25	1	314	5X6	C12-C11-C03	-5.65	111.91	127.00
17	J	103	CLA	O2D-CGD-CBD	5.64	121.09	111.23
25	3	318	5X6	C39-C26-C25	-5.63	113.69	122.82
17	B	808	CLA	O2D-CGD-CBD	5.63	121.08	111.23
17	1	301	CLA	C2D-C1D-ND	5.63	115.70	110.13
17	1	302	CLA	C2D-C1D-ND	5.63	115.70	110.13
25	1	313	5X6	C23-C22-C21	-5.63	110.16	119.01
17	L	203	CLA	C2C-C1C-NC	5.63	115.89	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	824	CLA	CMD-C2D-C1D	5.63	134.64	124.73
17	4	307	CLA	C2D-C1D-ND	5.63	115.69	110.13
17	A	805	CLA	CMD-C2D-C1D	5.63	134.63	124.73
17	4	304	CLA	CHD-C4C-C3C	-5.62	116.57	124.77
17	A	818	CLA	O2D-CGD-CBD	5.62	121.06	111.23
17	B	823	CLA	C2D-C1D-ND	5.62	115.69	110.13
17	B	841	CLA	CHD-C4C-C3C	-5.61	116.59	124.77
17	A	811	CLA	CMD-C2D-C1D	5.61	134.60	124.73
17	4	308	CLA	CHD-C4C-C3C	-5.60	116.61	124.77
25	2	320	5X6	C39-C26-C25	-5.60	113.74	122.82
25	1	312	5X6	C24-C23-C22	-5.59	111.04	126.36
17	B	808	CLA	CMD-C2D-C1D	5.59	134.57	124.73
17	5	309	CLA	CHD-C4C-C3C	-5.58	116.64	124.77
17	3	305	CLA	CHD-C4C-C3C	-5.58	116.64	124.77
17	2	305	CLA	CHD-C4C-C3C	-5.58	116.64	124.77
17	5	304	CLA	C2D-C1D-ND	5.58	115.64	110.13
25	4	312	5X6	C20-C19-C18	-5.58	112.11	123.52
25	4	313	5X6	C42-C13-C14	-5.57	113.79	122.82
17	B	813	CLA	CHD-C4C-C3C	-5.57	116.65	124.77
17	A	831	CLA	CHD-C4C-C3C	-5.57	116.65	124.77
17	B	828	CLA	O2D-CGD-CBD	5.57	120.96	111.23
17	B	809	CLA	CHD-C4C-C3C	-5.57	116.66	124.77
17	1	305	CLA	C2D-C1D-ND	5.57	115.63	110.13
17	A	810	CLA	C3D-C2D-C1D	-5.56	98.24	105.83
17	B	828	CLA	C2C-C1C-NC	5.56	115.82	109.98
17	A	804	CLA	C2C-C1C-NC	5.56	115.82	109.98
25	2	320	5X6	C19-C20-C21	-5.55	112.15	123.52
17	5	307	CLA	O2D-CGD-CBD	5.55	120.93	111.23
17	A	821	CLA	C4A-NA-C1A	-5.55	104.15	106.68
25	5	318	5X6	C23-C22-C21	-5.55	110.28	119.01
17	A	802	CLA	O2D-CGD-CBD	5.54	120.92	111.23
16	A	801	CL0	C2C-C1C-NC	5.54	115.80	109.98
17	L	204	CLA	C2D-C1D-ND	5.54	115.61	110.13
17	B	807	CLA	C2C-C1C-NC	5.53	115.79	109.98
17	B	838	CLA	C2C-C1C-NC	5.53	115.79	109.98
17	A	819	CLA	CMD-C2D-C1D	5.52	134.46	124.73
17	B	826	CLA	CMD-C2D-C1D	5.52	134.46	124.73
17	B	824	CLA	CMD-C2D-C1D	5.52	134.45	124.73
17	A	807	CLA	CHD-C4C-C3C	-5.52	116.72	124.77
17	A	855	CLA	C3D-C2D-C1D	-5.52	98.30	105.83
25	4	312	5X6	C40-C22-C21	-5.52	113.87	122.82
17	B	831	CLA	C2C-C1C-NC	5.52	115.78	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	804	CLA	C3D-C2D-C1D	-5.51	98.31	105.83
17	A	826	CLA	CHD-C4C-C3C	-5.51	116.74	124.77
17	B	818	CLA	CMD-C2D-C1D	5.51	134.43	124.73
17	B	838	CLA	CHD-C4C-C3C	-5.51	116.74	124.77
17	A	839	CLA	C2C-C1C-NC	5.51	115.77	109.98
17	A	809	CLA	C2C-C1C-NC	5.51	115.77	109.98
17	A	816	CLA	CHD-C4C-C3C	-5.51	116.75	124.77
17	B	826	CLA	O2D-CGD-CBD	5.50	120.85	111.23
17	1	303	CLA	CHD-C4C-C3C	-5.50	116.75	124.77
25	1	314	5X6	C16-C17-C18	-5.50	110.36	119.01
17	4	305	CLA	C2D-C1D-ND	5.50	115.57	110.13
17	2	308	CLA	C2D-C1D-ND	5.50	115.56	110.13
17	B	813	CLA	C3D-C2D-C1D	-5.49	98.33	105.83
17	A	806	CLA	C2C-C1C-NC	5.49	115.75	109.98
25	2	318	5X6	C41-C17-C18	-5.49	113.92	122.82
17	1	304	CLA	O2D-CGD-CBD	5.49	120.82	111.23
17	A	826	CLA	C3C-C4C-NC	5.48	117.45	110.43
17	L	203	CLA	CHD-C4C-C3C	-5.48	116.78	124.77
17	A	830	CLA	C2C-C1C-NC	5.48	115.74	109.98
17	5	309	CLA	O2D-CGD-CBD	5.48	120.81	111.23
17	K	102	CLA	CHD-C4C-C3C	-5.48	116.79	124.77
17	B	806	CLA	CMD-C2D-C1D	5.48	134.37	124.73
17	B	804	CLA	CMD-C2D-C1D	5.47	134.37	124.73
17	5	311	CLA	CHD-C4C-C3C	-5.47	116.80	124.77
17	A	834	CLA	O2D-CGD-CBD	5.47	120.79	111.23
17	A	853	CLA	C3D-C2D-C1D	-5.47	98.37	105.83
17	A	837	CLA	C3D-C2D-C1D	-5.47	98.37	105.83
17	A	810	CLA	CHD-C4C-C3C	-5.46	116.81	124.77
17	B	810	CLA	CHD-C4C-C3C	-5.46	116.81	124.77
17	2	304	CLA	O2D-CGD-CBD	5.46	120.78	111.23
17	A	831	CLA	C4A-NA-C1A	-5.45	104.19	106.68
17	B	837	CLA	O2D-CGD-CBD	5.45	120.75	111.23
17	1	309	CLA	CHD-C4C-C3C	-5.45	116.83	124.77
17	B	829	CLA	CHD-C4C-C3C	-5.45	116.83	124.77
17	5	312	CLA	CHD-C4C-C3C	-5.44	116.83	124.77
17	3	308	CLA	C2D-C1D-ND	5.44	115.51	110.13
17	B	823	CLA	CHD-C4C-C3C	-5.44	116.84	124.77
25	5	316	5X6	C14-C15-C16	-5.44	107.44	123.20
17	B	812	CLA	C4A-NA-C1A	-5.44	104.20	106.68
17	A	811	CLA	CAC-C3C-C4C	5.44	131.86	124.79
17	L	203	CLA	CMD-C2D-C1D	5.43	134.30	124.73
17	A	803	CLA	O2D-CGD-CBD	5.43	120.73	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	1	302	CLA	O2D-CGD-CBD	5.43	120.72	111.23
17	B	838	CLA	CMD-C2D-C1D	5.42	134.28	124.73
17	A	825	CLA	C3D-C2D-C1D	-5.42	98.44	105.83
17	A	830	CLA	CHD-C4C-C3C	-5.41	116.88	124.77
17	B	841	CLA	O2D-CGD-CBD	5.41	120.68	111.23
17	3	307	CLA	O2D-CGD-CBD	5.41	120.68	111.23
17	L	202	CLA	CHD-C4C-C3C	-5.41	116.89	124.77
17	1	301	CLA	CMD-C2D-C1D	5.41	134.25	124.73
17	A	827	CLA	C4A-NA-C1A	-5.41	104.21	106.68
17	2	311	CLA	C4A-NA-C1A	-5.41	104.21	106.68
17	A	830	CLA	CMD-C2D-C1D	5.40	134.24	124.73
25	1	312	5X6	C11-C03-C02	-5.40	109.11	121.56
25	2	318	5X6	C40-C22-C23	-5.40	109.85	118.09
25	1	313	5X6	C11-C03-C02	-5.39	109.13	121.56
17	B	812	CLA	CMD-C2D-C1D	5.39	134.22	124.73
17	A	838	CLA	CHD-C4C-C3C	-5.39	116.91	124.77
17	3	306	CLA	O2D-CGD-CBD	5.39	120.66	111.23
17	A	831	CLA	C2C-C1C-NC	5.39	115.64	109.98
25	5	315	5X6	C41-C17-C18	-5.39	114.08	122.82
17	3	315	CLA	CHD-C4C-C3C	-5.39	116.92	124.77
17	5	314	CLA	CHD-C4C-C3C	-5.39	116.92	124.77
17	B	815	CLA	CHD-C4C-C3C	-5.39	116.92	124.77
17	L	202	CLA	O2D-CGD-CBD	5.39	120.65	111.23
17	A	806	CLA	CHD-C4C-C3C	-5.38	116.93	124.77
17	A	818	CLA	CHD-C4C-C3C	-5.38	116.93	124.77
17	2	311	CLA	O2D-CGD-CBD	5.38	120.63	111.23
17	A	853	CLA	CMD-C2D-C1D	5.37	134.19	124.73
25	5	315	5X6	C20-C19-C18	-5.37	112.53	123.52
17	A	859	CLA	O2D-CGD-CBD	5.37	120.62	111.23
17	B	804	CLA	CHD-C4C-C3C	-5.37	116.94	124.77
17	A	805	CLA	C2C-C1C-NC	5.37	115.62	109.98
17	2	307	CLA	C3D-C4D-ND	5.36	118.70	109.99
17	3	310	CLA	CHD-C4C-C3C	-5.36	116.96	124.77
17	B	838	CLA	C3D-C2D-C1D	-5.35	98.52	105.83
25	3	317	5X6	C20-C21-C22	-5.35	119.77	127.28
17	B	819	CLA	CHD-C4C-C3C	-5.35	116.97	124.77
17	B	840	CLA	CAC-C3C-C4C	5.35	131.75	124.79
17	2	315	CLA	CHD-C4C-C3C	-5.35	116.98	124.77
17	4	304	CLA	O2D-CGD-CBD	5.34	120.57	111.23
17	A	822	CLA	CAC-C3C-C4C	5.34	131.74	124.79
17	2	314	CLA	CHD-C4C-C3C	-5.34	116.99	124.77
25	4	312	5X6	C23-C22-C21	-5.34	110.61	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	5	308	CLA	C2D-C1D-ND	5.34	115.41	110.13
17	A	832	CLA	CMD-C2D-C1D	5.34	134.13	124.73
17	5	313	CLA	C2D-C1D-ND	5.33	115.40	110.13
17	A	817	CLA	O2D-CGD-CBD	5.33	120.55	111.23
17	1	302	CLA	CMD-C2D-C1D	5.33	134.11	124.73
17	B	821	CLA	O2D-CGD-CBD	5.33	120.55	111.23
25	J	105	5X6	C42-C13-C14	-5.33	114.18	122.82
17	4	305	CLA	O2D-CGD-CBD	5.33	120.54	111.23
17	K	103	CLA	CHD-C4C-C3C	-5.33	117.01	124.77
17	5	307	CLA	CHD-C4C-C3C	-5.33	117.01	124.77
25	1	312	5X6	C27-C26-C25	-5.33	110.63	119.01
17	B	806	CLA	C2C-C1C-NC	5.32	115.57	109.98
17	2	304	CLA	CHD-C4C-C3C	-5.32	117.01	124.77
25	F	205	5X6	C15-C16-C17	-5.32	111.78	126.36
25	5	317	5X6	C39-C26-C25	-5.32	114.20	122.82
25	5	315	5X6	C12-C11-C03	-5.32	112.79	127.00
17	2	306	CLA	CHD-C4C-C3C	-5.32	117.02	124.77
17	B	829	CLA	C2C-C1C-NC	5.31	115.56	109.98
25	F	205	5X6	C24-C23-C22	-5.31	111.80	126.36
17	3	313	CLA	CHD-C4C-C3C	-5.31	117.03	124.77
17	B	835	CLA	CHD-C4C-C3C	-5.31	117.03	124.77
17	A	815	CLA	CHD-C4C-C3C	-5.30	117.05	124.77
17	B	809	CLA	C2C-C1C-NC	5.30	115.55	109.98
17	A	830	CLA	O2D-CGD-CBD	5.30	120.49	111.23
17	B	832	CLA	CHD-C4C-C3C	-5.30	117.05	124.77
17	B	820	CLA	C2D-C1D-ND	5.29	115.37	110.13
25	1	314	5X6	C19-C20-C21	-5.29	112.70	123.52
17	F	203	CLA	CHD-C4C-C3C	-5.29	117.07	124.77
17	A	829	CLA	CHD-C4C-C3C	-5.28	117.07	124.77
17	1	306	CLA	C2D-C1D-ND	5.28	115.35	110.13
17	A	855	CLA	C2C-C1C-NC	5.28	115.53	109.98
25	1	313	5X6	C20-C19-C18	-5.28	112.71	123.52
17	B	833	CLA	C2C-C1C-NC	5.28	115.53	109.98
17	4	305	CLA	CHD-C4C-C3C	-5.28	117.08	124.77
17	O	204	CLA	CHD-C4C-C3C	-5.27	117.08	124.77
17	B	810	CLA	C3D-C2D-C1D	-5.27	98.63	105.83
17	B	834	CLA	CHD-C4C-C3C	-5.27	117.09	124.77
17	B	807	CLA	C3D-C2D-C1D	-5.27	98.64	105.83
17	A	856	CLA	CHD-C4C-C3C	-5.27	117.10	124.77
17	B	812	CLA	CHD-C4C-C3C	-5.26	117.10	124.77
17	B	840	CLA	CHD-C4C-C3C	-5.26	117.10	124.77
17	A	805	CLA	CHD-C4C-C3C	-5.26	117.10	124.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	820	CLA	CHD-C4C-C3C	-5.26	117.10	124.77
25	4	314	5X6	C40-C22-C21	-5.26	114.30	122.82
17	B	829	CLA	CMD-C2D-C1D	5.26	133.99	124.73
17	A	806	CLA	O2D-CGD-CBD	5.26	120.42	111.23
17	A	824	CLA	C2C-C1C-NC	5.26	115.50	109.98
17	A	818	CLA	C3D-C2D-C1D	-5.26	98.66	105.83
17	J	103	CLA	C2C-C1C-NC	5.26	115.50	109.98
17	B	825	CLA	CMD-C2D-C1D	5.26	133.98	124.73
25	F	205	5X6	C42-C13-C14	-5.25	114.31	122.82
25	1	315	5X6	C20-C19-C18	-5.25	112.77	123.52
17	B	840	CLA	C3D-C2D-C1D	-5.25	98.66	105.83
17	B	830	CLA	C2C-C1C-NC	5.25	115.50	109.98
17	1	310	CLA	O2D-CGD-CBD	5.25	120.40	111.23
17	3	309	CLA	CHD-C4C-C3C	-5.25	117.12	124.77
17	B	825	CLA	C2C-C1C-NC	5.25	115.49	109.98
17	B	821	CLA	C3D-C2D-C1D	-5.24	98.68	105.83
17	A	812	CLA	C3D-C2D-C1D	-5.24	98.68	105.83
17	2	308	CLA	C2C-C1C-NC	5.24	115.48	109.98
17	A	837	CLA	CMD-C2D-C1D	5.24	133.95	124.73
17	A	831	CLA	O2D-CGD-CBD	5.23	120.38	111.23
17	B	815	CLA	C2C-C1C-NC	5.23	115.48	109.98
17	O	203	CLA	O2D-CGD-CBD	5.23	120.37	111.23
17	A	834	CLA	C2C-C1C-NC	5.23	115.47	109.98
17	4	310	CLA	CHD-C4C-C3C	-5.22	117.16	124.77
17	B	833	CLA	O2D-CGD-CBD	5.22	120.36	111.23
17	1	307	CLA	O2D-CGD-CBD	5.22	120.36	111.23
17	O	205	CLA	CHD-C4C-C3C	-5.22	117.16	124.77
25	1	313	5X6	C19-C20-C21	-5.21	112.85	123.52
17	2	310	CLA	CHD-C4C-C3C	-5.21	117.17	124.77
17	B	819	CLA	O2D-CGD-CBD	5.21	120.34	111.23
17	A	856	CLA	CMD-C2D-C1D	5.21	133.90	124.73
17	A	854	CLA	C2C-C1C-NC	5.21	115.45	109.98
16	A	801	CL0	O2D-CGD-CBD	5.21	120.33	111.23
17	3	306	CLA	CHD-C4C-C3C	-5.21	117.18	124.77
17	B	811	CLA	CHD-C4C-C3C	-5.20	117.19	124.77
17	3	307	CLA	CHD-C4C-C3C	-5.20	117.19	124.77
25	3	318	5X6	C20-C19-C18	-5.19	112.89	123.52
17	A	821	CLA	CAC-C3C-C4C	5.19	131.55	124.79
16	A	801	CL0	CHD-C4C-C3C	-5.19	117.20	124.77
17	A	823	CLA	C3D-C2D-C1D	-5.19	98.75	105.83
17	A	835	CLA	C2C-C1C-NC	5.19	115.43	109.98
17	B	816	CLA	CHD-C4C-C3C	-5.19	117.21	124.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	835	CLA	CHD-C4C-C3C	-5.18	117.21	124.77
17	1	310	CLA	CHD-C4C-C3C	-5.18	117.22	124.77
17	B	830	CLA	CAA-C2A-C3A	-5.18	99.01	113.00
17	A	859	CLA	C3D-C2D-C1D	-5.18	98.77	105.83
17	A	816	CLA	C2C-C1C-NC	5.18	115.42	109.98
17	3	314	CLA	CHD-C4C-C3C	-5.18	117.23	124.77
17	5	303	CLA	CHD-C4C-C3C	-5.17	117.23	124.77
25	2	321	5X6	C42-C13-C14	-5.17	114.44	122.82
17	A	831	CLA	C3D-C2D-C1D	-5.17	98.78	105.83
17	3	310	CLA	O2D-CGD-CBD	5.16	120.26	111.23
17	L	202	CLA	C2C-C1C-NC	5.16	115.40	109.98
25	3	318	5X6	C12-C11-C03	-5.15	113.23	127.00
17	5	304	CLA	CHD-C4C-C3C	-5.15	117.26	124.77
17	B	836	CLA	CHD-C4C-C3C	-5.15	117.26	124.77
17	A	802	CLA	C2C-C1C-NC	5.15	115.39	109.98
17	5	305	CLA	O2A-CGA-CBA	5.15	127.54	111.83
17	A	807	CLA	CAC-C3C-C4C	5.15	131.49	124.79
17	O	203	CLA	CHD-C4C-C3C	-5.15	117.26	124.77
17	2	305	CLA	O2D-CGD-CBD	5.15	120.23	111.23
25	3	316	5X6	C12-C11-C03	-5.14	113.26	127.00
17	B	839	CLA	C2C-C1C-NC	5.14	115.39	109.98
17	B	814	CLA	CHD-C4C-C3C	-5.14	117.27	124.77
17	3	311	CLA	C3D-C4D-ND	5.14	118.34	109.99
17	A	829	CLA	CMD-C2D-C1D	5.14	133.77	124.73
17	4	305	CLA	C4A-NA-C1A	-5.13	104.34	106.68
17	A	838	CLA	C2C-C1C-NC	5.13	115.37	109.98
17	A	833	CLA	C4A-NA-C1A	-5.13	104.34	106.68
20	B	846	BCR	C15-C16-C17	5.13	134.02	123.52
25	2	318	5X6	C12-C11-C03	-5.13	113.29	127.00
17	3	308	CLA	CHD-C4C-C3C	-5.13	117.30	124.77
17	A	802	CLA	CHD-C4C-C3C	-5.13	117.30	124.77
17	2	313	CLA	C4A-NA-C1A	-5.13	104.34	106.68
17	B	802	CLA	C2C-C1C-NC	5.13	115.37	109.98
17	L	203	CLA	O2D-CGD-CBD	5.13	120.19	111.23
17	5	303	CLA	O2D-CGD-CBD	5.12	120.19	111.23
17	2	316	CLA	CHD-C4C-C3C	-5.12	117.31	124.77
17	2	308	CLA	CAC-C3C-C4C	5.11	131.44	124.79
17	B	810	CLA	O2D-CGD-CBD	5.11	120.16	111.23
25	1	313	5X6	C27-C26-C25	-5.11	110.98	119.01
17	L	204	CLA	CHD-C4C-C3C	-5.10	117.33	124.77
17	K	103	CLA	O2D-CGD-CBD	5.10	120.15	111.23
25	2	317	5X6	C12-C11-C03	-5.10	113.36	127.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	1	313	5X6	C28-C29-C30	-5.10	109.80	121.56
17	B	824	CLA	C3D-C2D-C1D	-5.10	98.87	105.83
17	F	203	CLA	C4A-NA-C1A	-5.10	104.35	106.68
25	J	105	5X6	C25-C24-C23	-5.10	108.42	123.20
17	B	836	CLA	C2C-C1C-NC	5.10	115.34	109.98
17	A	828	CLA	C1C-C2C-C3C	-5.10	101.62	106.98
20	K	104	BCR	C16-C15-C14	5.10	133.94	123.52
17	A	807	CLA	C3D-C2D-C1D	-5.09	98.88	105.83
17	A	814	CLA	CAC-C3C-C4C	5.09	131.41	124.79
17	4	304	CLA	C4A-NA-C1A	-5.09	104.36	106.68
17	B	826	CLA	C3D-C2D-C1D	-5.09	98.89	105.83
17	A	822	CLA	C3D-C2D-C1D	-5.09	98.89	105.83
17	4	306	CLA	C4A-NA-C1A	-5.09	104.36	106.68
17	A	815	CLA	C2C-C1C-NC	5.09	115.32	109.98
17	A	811	CLA	C3D-C2D-C1D	-5.08	98.89	105.83
17	B	808	CLA	C3D-C4D-ND	5.08	118.25	109.99
17	B	811	CLA	O2D-CGD-CBD	5.08	120.12	111.23
17	B	857	CLA	C4A-NA-C1A	-5.08	104.36	106.68
17	A	853	CLA	CHD-C4C-C3C	-5.08	117.36	124.77
17	5	307	CLA	C3D-C2D-C1D	-5.08	98.90	105.83
25	5	317	5X6	C20-C19-C18	-5.08	113.12	123.52
17	2	307	CLA	C4A-NA-C1A	-5.08	104.36	106.68
25	2	321	5X6	C19-C20-C21	-5.08	113.13	123.52
17	A	820	CLA	C3D-C2D-C1D	-5.07	98.91	105.83
17	A	809	CLA	CHD-C4C-C3C	-5.07	117.37	124.77
17	B	811	CLA	C4A-NA-C1A	-5.07	104.36	106.68
17	B	822	CLA	C3D-C2D-C1D	-5.07	98.91	105.83
25	J	105	5X6	C24-C23-C22	-5.07	112.46	126.36
17	A	817	CLA	CMD-C2D-C1D	5.07	133.66	124.73
17	A	821	CLA	CHD-C4C-C3C	-5.07	117.38	124.77
25	J	105	5X6	C11-C03-C02	-5.07	109.88	121.56
17	A	815	CLA	CMD-C2D-C1D	5.07	133.65	124.73
17	4	311	CLA	CHD-C4C-C3C	-5.07	117.39	124.77
17	B	807	CLA	CHD-C4C-C3C	-5.06	117.39	124.77
25	1	315	5X6	C19-C20-C21	-5.06	113.16	123.52
17	1	310	CLA	C4A-NA-C1A	-5.06	104.37	106.68
17	A	854	CLA	C3D-C2D-C1D	-5.06	98.93	105.83
17	A	819	CLA	CHD-C4C-C3C	-5.06	117.40	124.77
17	5	305	CLA	CHD-C4C-C3C	-5.06	117.40	124.77
17	1	302	CLA	C2C-C1C-NC	5.05	115.29	109.98
17	B	830	CLA	CMD-C2D-C1D	5.05	133.62	124.73
17	B	808	CLA	C3D-C2D-C1D	-5.05	98.94	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	3	318	5X6	C19-C20-C21	-5.05	113.19	123.52
17	B	834	CLA	C4A-NA-C1A	-5.05	104.38	106.68
25	2	318	5X6	C15-C16-C17	-5.05	112.52	126.36
17	A	805	CLA	C3D-C2D-C1D	-5.05	98.95	105.83
17	B	814	CLA	C2C-C1C-NC	5.04	115.28	109.98
17	4	309	CLA	CHD-C4C-C3C	-5.04	117.42	124.77
25	2	321	5X6	C16-C17-C18	-5.04	111.08	119.01
17	A	802	CLA	CMD-C2D-C1D	5.04	133.61	124.73
25	3	317	5X6	C19-C20-C21	-5.04	113.20	123.52
17	B	826	CLA	CHD-C4C-C3C	-5.04	117.42	124.77
17	B	823	CLA	O2D-CGD-CBD	5.04	120.04	111.23
17	B	837	CLA	CMD-C2D-C1D	5.04	133.60	124.73
17	B	818	CLA	CHD-C4C-C3C	-5.04	117.43	124.77
17	A	813	CLA	CHD-C4C-C3C	-5.03	117.43	124.77
17	J	103	CLA	CHD-C4C-C3C	-5.03	117.44	124.77
17	B	802	CLA	C3D-C2D-C1D	-5.03	98.97	105.83
17	B	827	CLA	C3D-C2D-C1D	-5.02	98.98	105.83
25	1	315	5X6	C24-C23-C22	-5.02	112.60	126.36
17	A	820	CLA	CMD-C2D-C1D	5.01	133.56	124.73
17	B	818	CLA	O2D-CGD-CBD	5.01	120.00	111.23
25	1	314	5X6	C15-C16-C17	-5.01	112.62	126.36
17	A	815	CLA	C3D-C2D-C1D	-5.01	98.99	105.83
25	5	318	5X6	C42-C13-C12	-5.01	110.43	118.09
17	A	822	CLA	C3D-C4D-ND	5.01	118.14	109.99
17	B	832	CLA	C2C-C1C-NC	5.01	115.24	109.98
17	B	824	CLA	C3D-C4D-ND	5.01	118.13	109.99
17	5	308	CLA	CHD-C4C-C3C	-5.01	117.47	124.77
17	2	311	CLA	C3D-C4D-ND	5.01	118.13	109.99
17	2	309	CLA	C2C-C1C-NC	5.01	115.24	109.98
25	5	301	5X6	C12-C11-C03	-5.01	113.63	127.00
25	2	321	5X6	C40-C22-C21	-5.00	114.71	122.82
17	A	814	CLA	C3D-C4D-ND	5.00	118.12	109.99
17	B	831	CLA	CHD-C4C-C3C	-5.00	117.48	124.77
17	5	310	CLA	CAC-C3C-C4C	5.00	131.30	124.79
17	B	806	CLA	CHD-C4C-C3C	-5.00	117.48	124.77
25	4	314	5X6	C19-C20-C21	-5.00	113.30	123.52
25	2	318	5X6	C27-C26-C25	-4.99	111.15	119.01
17	B	826	CLA	C2C-C1C-NC	4.99	115.23	109.98
17	B	837	CLA	C4A-NA-C1A	-4.99	104.40	106.68
17	3	307	CLA	C3D-C4D-ND	4.98	118.09	109.99
17	1	303	CLA	C3D-C2D-C1D	-4.98	99.03	105.83
17	L	204	CLA	C4A-NA-C1A	-4.98	104.41	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	839	CLA	O2D-CGD-CBD	4.98	119.93	111.23
17	A	808	CLA	CHD-C4C-C3C	-4.98	117.52	124.77
17	4	304	CLA	C3D-C4D-ND	4.97	118.07	109.99
17	5	305	CLA	C3D-C4D-ND	4.97	118.07	109.99
17	1	304	CLA	C4A-NA-C1A	-4.97	104.41	106.68
17	B	817	CLA	C3D-C2D-C1D	-4.97	99.05	105.83
17	5	302	CLA	O2D-CGD-CBD	4.97	119.92	111.23
17	A	809	CLA	C3D-C2D-C1D	-4.97	99.05	105.83
17	2	305	CLA	C3D-C4D-ND	4.97	118.07	109.99
17	1	307	CLA	C3D-C4D-ND	4.97	118.06	109.99
17	A	835	CLA	O2D-CGD-CBD	4.97	119.92	111.23
17	B	837	CLA	C2C-C1C-NC	4.97	115.20	109.98
17	A	804	CLA	CHD-C4C-C3C	-4.97	117.53	124.77
17	3	305	CLA	C3D-C4D-ND	4.96	118.06	109.99
17	1	302	CLA	CHD-C4C-C3C	-4.96	117.54	124.77
17	A	831	CLA	CMD-C2D-C1D	4.96	133.46	124.73
17	A	803	CLA	CHD-C4C-C3C	-4.96	117.55	124.77
17	A	856	CLA	C2C-C1C-NC	4.95	115.19	109.98
17	A	820	CLA	O2D-CGD-CBD	4.95	119.89	111.23
17	5	313	CLA	CAC-C3C-C4C	4.95	131.23	124.79
17	B	820	CLA	CHD-C4C-C3C	-4.95	117.56	124.77
17	K	102	CLA	C3D-C2D-C1D	-4.95	99.08	105.83
17	B	857	CLA	C3D-C4D-ND	4.95	118.03	109.99
17	A	854	CLA	C3D-C4D-ND	4.95	118.03	109.99
25	2	317	5X6	C16-C17-C18	-4.94	111.23	119.01
25	5	318	5X6	C19-C20-C21	-4.94	113.40	123.52
17	A	806	CLA	C3D-C2D-C1D	-4.94	99.08	105.83
17	2	304	CLA	C3D-C4D-ND	4.94	118.02	109.99
17	B	818	CLA	C3D-C2D-C1D	-4.94	99.09	105.83
17	B	831	CLA	C3D-C2D-C1D	-4.94	99.09	105.83
17	A	839	CLA	C3D-C4D-ND	4.94	118.02	109.99
17	1	304	CLA	C3D-C4D-ND	4.94	118.01	109.99
25	1	316	5X6	C12-C11-C03	-4.94	113.81	127.00
17	3	305	CLA	C4A-NA-C1A	-4.94	104.43	106.68
17	F	203	CLA	C2C-C1C-NC	4.93	115.16	109.98
17	B	829	CLA	C3D-C2D-C1D	-4.93	99.10	105.83
17	A	810	CLA	C2C-C1C-NC	4.93	115.16	109.98
17	B	811	CLA	C2C-C1C-NC	4.93	115.16	109.98
25	4	314	5X6	C28-C29-C30	-4.93	110.21	121.56
25	5	301	5X6	C27-C26-C25	-4.92	111.27	119.01
25	5	318	5X6	C27-C28-C29	-4.92	113.85	127.00
25	4	312	5X6	C27-C28-C29	-4.92	113.85	127.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	3	313	CLA	O2D-CGD-CBD	4.92	119.83	111.23
25	1	316	5X6	C24-C23-C22	-4.92	112.87	126.36
25	1	313	5X6	C27-C28-C29	-4.92	113.86	127.00
17	A	852	CLA	CHD-C4C-C3C	-4.92	117.61	124.77
17	A	826	CLA	C3D-C2D-C1D	-4.91	99.13	105.83
17	B	835	CLA	C2C-C1C-NC	4.91	115.14	109.98
17	B	834	CLA	O2D-CGD-CBD	4.91	119.82	111.23
17	4	308	CLA	O2D-CGD-CBD	4.91	119.81	111.23
17	A	853	CLA	C1C-C2C-C3C	-4.91	101.82	106.98
17	B	815	CLA	CMD-C2D-C1D	4.91	133.37	124.73
25	1	313	5X6	C39-C26-C25	-4.91	114.86	122.82
17	A	830	CLA	C3D-C2D-C1D	-4.91	99.13	105.83
17	B	822	CLA	O2D-CGD-CBD	4.91	119.81	111.23
25	1	316	5X6	C27-C28-C29	-4.90	113.90	127.00
17	1	311	CLA	C3D-C4D-ND	4.90	117.96	109.99
17	A	835	CLA	CMD-C2D-C1D	4.90	133.36	124.73
17	2	314	CLA	O2D-CGD-CBD	4.90	119.80	111.23
17	B	814	CLA	CMC-C2C-C1C	4.90	132.69	125.03
17	4	311	CLA	C3D-C4D-ND	4.90	117.95	109.99
17	5	309	CLA	C3D-C2D-C1D	-4.90	99.15	105.83
17	5	309	CLA	C3D-C4D-ND	4.90	117.94	109.99
17	2	309	CLA	CAC-C3C-C4C	4.89	131.16	124.79
17	4	311	CLA	C4A-NA-C1A	-4.89	104.45	106.68
25	5	316	5X6	C25-C24-C23	-4.89	109.03	123.20
17	1	305	CLA	C4A-NA-C1A	-4.89	104.45	106.68
17	B	819	CLA	C3D-C2D-C1D	-4.89	99.16	105.83
17	B	815	CLA	O2D-CGD-CBD	4.89	119.78	111.23
17	A	852	CLA	C2C-C1C-NC	4.89	115.12	109.98
17	A	820	CLA	C3D-C4D-ND	4.89	117.93	109.99
17	B	839	CLA	C3D-C2D-C1D	-4.88	99.17	105.83
17	B	839	CLA	C3D-C4D-ND	4.88	117.92	109.99
17	3	314	CLA	O2D-CGD-CBD	4.88	119.77	111.23
17	B	827	CLA	C2C-C1C-NC	4.88	115.11	109.98
17	A	821	CLA	C3D-C4D-ND	4.88	117.92	109.99
17	5	303	CLA	C3D-C4D-ND	4.88	117.91	109.99
25	4	312	5X6	C27-C26-C25	-4.88	111.34	119.01
17	B	804	CLA	C3D-C2D-C1D	-4.87	99.18	105.83
17	B	841	CLA	C3D-C4D-ND	4.87	117.91	109.99
17	4	308	CLA	C3D-C4D-ND	4.87	117.91	109.99
17	2	311	CLA	C3D-C2D-C1D	-4.87	99.18	105.83
17	2	313	CLA	O2D-CGD-CBD	4.87	119.74	111.23
25	3	317	5X6	C11-C03-C02	-4.87	110.34	121.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	4	307	CLA	CHD-C4C-C3C	-4.87	117.67	124.77
17	A	828	CLA	CMD-C2D-C1D	4.87	133.30	124.73
17	A	834	CLA	CHD-C4C-C3C	-4.87	117.68	124.77
25	3	316	5X6	C20-C19-C18	-4.87	113.56	123.52
16	A	801	CL0	CMD-C2D-C1D	4.86	133.29	124.73
25	5	317	5X6	C19-C20-C21	-4.86	113.57	123.52
17	A	806	CLA	CMD-C2D-C1D	4.86	133.29	124.73
17	O	203	CLA	C3D-C4D-ND	4.86	117.89	109.99
17	4	306	CLA	C3D-C4D-ND	4.86	117.89	109.99
17	3	309	CLA	C3D-C2D-C1D	-4.86	99.20	105.83
25	3	316	5X6	C39-C26-C25	-4.86	114.94	122.82
17	2	306	CLA	C3D-C2D-C1D	-4.86	99.20	105.83
17	A	819	CLA	C3D-C4D-ND	4.86	117.88	109.99
17	5	306	CLA	CHD-C4C-C3C	-4.86	117.69	124.77
17	A	817	CLA	C3D-C2D-C1D	-4.86	99.20	105.83
17	2	316	CLA	O2D-CGD-CBD	4.86	119.72	111.23
17	2	313	CLA	CHD-C4C-C3C	-4.85	117.70	124.77
17	A	817	CLA	CHD-C4C-C3C	-4.85	117.70	124.77
25	2	320	5X6	C11-C12-C13	-4.85	119.06	126.23
17	2	310	CLA	C3D-C4D-ND	4.85	117.87	109.99
17	A	829	CLA	O2D-CGD-CBD	4.85	119.70	111.23
17	B	819	CLA	C3D-C4D-ND	4.85	117.86	109.99
17	A	824	CLA	C3D-C4D-ND	4.85	117.86	109.99
17	3	309	CLA	C4A-NA-C1A	-4.84	104.47	106.68
25	F	205	5X6	C27-C28-C29	-4.84	114.07	127.00
17	4	311	CLA	O2D-CGD-CBD	4.84	119.69	111.23
17	3	310	CLA	C3D-C4D-ND	4.84	117.85	109.99
17	B	857	CLA	CHD-C4C-C3C	-4.84	117.72	124.77
17	2	315	CLA	C3D-C4D-ND	4.83	117.85	109.99
25	2	321	5X6	C23-C22-C21	-4.83	111.41	119.01
17	A	808	CLA	C4A-NA-C1A	-4.83	104.47	106.68
17	5	306	CLA	O2D-CGD-CBD	4.83	119.68	111.23
17	2	307	CLA	CHD-C4C-C3C	-4.83	117.73	124.77
17	B	836	CLA	C4A-NA-C1A	-4.83	104.48	106.68
17	B	822	CLA	C3D-C4D-ND	4.83	117.83	109.99
17	1	307	CLA	CMC-C2C-C1C	4.83	132.58	125.03
17	A	816	CLA	CAC-C3C-C4C	4.83	131.07	124.79
17	3	312	CLA	CHD-C4C-C3C	-4.83	117.74	124.77
17	1	308	CLA	CHD-C4C-C3C	-4.83	117.74	124.77
17	B	829	CLA	C4A-NA-C1A	-4.82	104.48	106.68
17	K	103	CLA	C3D-C2D-C1D	-4.82	99.25	105.83
17	B	825	CLA	CAC-C3C-C4C	4.82	131.06	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	812	CLA	C2C-C1C-NC	4.82	115.05	109.98
17	3	308	CLA	O2D-CGD-CBD	4.82	119.66	111.23
17	B	823	CLA	C3D-C4D-ND	4.82	117.82	109.99
17	A	802	CLA	C3D-C4D-ND	4.82	117.82	109.99
25	4	312	5X6	C28-C29-C30	-4.82	110.46	121.56
17	A	853	CLA	O2D-CGD-O1D	-4.82	114.47	123.85
17	4	309	CLA	O2D-CGD-CBD	4.82	119.65	111.23
17	B	809	CLA	C3D-C2D-C1D	-4.82	99.26	105.83
17	J	103	CLA	CAC-C3C-C4C	4.81	131.05	124.79
17	1	306	CLA	CHD-C4C-C3C	-4.81	117.76	124.77
17	A	803	CLA	C3D-C4D-ND	4.81	117.81	109.99
17	A	833	CLA	C3D-C4D-ND	4.81	117.81	109.99
25	1	315	5X6	C40-C22-C21	-4.81	115.03	122.82
17	A	836	CLA	C2C-C1C-NC	4.81	115.03	109.98
17	A	813	CLA	O2D-CGD-CBD	4.81	119.63	111.23
17	4	309	CLA	C3D-C4D-ND	4.80	117.80	109.99
17	A	811	CLA	O2D-CGD-CBD	4.80	119.63	111.23
17	4	310	CLA	C3D-C4D-ND	4.80	117.79	109.99
17	3	306	CLA	C3D-C2D-C1D	-4.80	99.28	105.83
17	A	832	CLA	C2D-C1D-ND	4.80	114.88	110.13
25	1	312	5X6	C41-C17-C18	-4.80	115.04	122.82
17	A	836	CLA	CHD-C4C-C3C	-4.80	117.78	124.77
17	A	817	CLA	C3D-C4D-ND	4.80	117.79	109.99
17	1	301	CLA	C2C-C1C-NC	4.80	115.02	109.98
17	A	833	CLA	CMD-C2D-C1D	4.80	133.18	124.73
17	A	817	CLA	C2C-C1C-NC	4.80	115.02	109.98
17	A	828	CLA	CHD-C4C-C3C	-4.80	117.78	124.77
17	1	305	CLA	C3D-C4D-ND	4.80	117.78	109.99
17	5	307	CLA	CAC-C3C-C4C	4.79	131.03	124.79
17	B	825	CLA	C3C-C4C-NC	4.79	116.57	110.43
25	4	314	5X6	C20-C19-C18	-4.79	113.72	123.52
17	A	827	CLA	C3D-C2D-C1D	-4.79	99.30	105.83
17	B	818	CLA	C2C-C1C-NC	4.79	115.01	109.98
25	4	313	5X6	C27-C26-C25	-4.78	111.49	119.01
25	1	313	5X6	C16-C17-C18	-4.78	111.49	119.01
17	3	308	CLA	C2C-C1C-NC	4.78	115.00	109.98
25	2	320	5X6	C23-C22-C21	-4.78	111.50	119.01
17	2	305	CLA	C4A-NA-C1A	-4.78	104.50	106.68
17	F	204	CLA	C2C-C1C-NC	4.77	115.00	109.98
17	B	808	CLA	C2C-C1C-NC	4.77	114.99	109.98
25	1	313	5X6	C25-C24-C23	-4.77	109.37	123.20
25	2	318	5X6	C12-C13-C14	-4.77	111.50	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	1	308	CLA	C3D-C4D-ND	4.77	117.74	109.99
25	4	313	5X6	C27-C28-C29	-4.77	114.26	127.00
17	3	312	CLA	C3D-C4D-ND	4.77	117.74	109.99
17	3	315	CLA	C3D-C4D-ND	4.77	117.74	109.99
25	3	318	5X6	C15-C16-C17	-4.77	113.29	126.36
17	5	302	CLA	C3D-C4D-ND	4.77	117.74	109.99
17	B	815	CLA	CAC-C3C-C4C	4.77	130.99	124.79
17	1	303	CLA	C4A-NA-C1A	-4.77	104.50	106.68
17	A	856	CLA	C3D-C2D-C1D	-4.76	99.33	105.83
17	4	303	CLA	CHD-C4C-C3C	-4.76	117.83	124.77
17	5	312	CLA	C3D-C4D-ND	4.76	117.73	109.99
17	5	311	CLA	C3D-C4D-ND	4.76	117.73	109.99
25	5	316	5X6	C24-C23-C22	-4.76	113.31	126.36
17	3	310	CLA	C4A-NA-C1A	-4.76	104.51	106.68
17	5	308	CLA	C3D-C4D-ND	4.76	117.72	109.99
25	4	313	5X6	C11-C03-C02	-4.75	110.61	121.56
17	5	310	CLA	C3D-C4D-ND	4.75	117.71	109.99
17	B	806	CLA	CAC-C3C-C4C	4.75	130.97	124.79
17	A	836	CLA	CAC-C3C-C4C	4.75	130.97	124.79
17	A	812	CLA	C3D-C4D-ND	4.75	117.71	109.99
17	B	826	CLA	C1C-C2C-C3C	-4.75	101.99	106.98
25	2	317	5X6	C39-C26-C25	-4.75	115.12	122.82
25	5	315	5X6	C11-C03-C02	-4.75	110.62	121.56
17	3	313	CLA	C3D-C4D-ND	4.75	117.70	109.99
17	B	804	CLA	C1C-C2C-C3C	-4.74	101.99	106.98
17	2	314	CLA	C3D-C4D-ND	4.74	117.70	109.99
17	5	305	CLA	CMC-C2C-C1C	4.74	132.44	125.03
17	B	816	CLA	C3D-C4D-ND	4.74	117.69	109.99
17	4	306	CLA	O2D-CGD-CBD	4.74	119.52	111.23
17	A	839	CLA	C3D-C2D-C1D	-4.74	99.36	105.83
17	5	313	CLA	CHD-C4C-C3C	-4.74	117.86	124.77
25	2	321	5X6	C12-C11-C03	-4.74	114.34	127.00
17	A	816	CLA	C3D-C2D-C1D	-4.74	99.37	105.83
17	B	828	CLA	C4A-NA-C1A	-4.73	104.52	106.68
25	4	314	5X6	C27-C28-C29	-4.73	114.35	127.00
25	3	317	5X6	C15-C16-C17	-4.73	113.38	126.36
17	5	312	CLA	O2D-CGD-CBD	4.73	119.50	111.23
17	B	837	CLA	C3D-C2D-C1D	-4.73	99.37	105.83
25	5	317	5X6	C24-C23-C22	-4.73	113.39	126.36
17	K	103	CLA	C2C-C1C-NC	4.73	114.95	109.98
17	A	812	CLA	CMD-C2D-C1D	4.73	133.05	124.73
17	A	813	CLA	C3D-C2D-C1D	-4.73	99.38	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	814	CLA	C2C-C1C-NC	4.73	114.94	109.98
17	A	803	CLA	C3D-C2D-C1D	-4.72	99.38	105.83
17	A	823	CLA	CAC-C3C-C4C	4.72	130.93	124.79
25	5	318	5X6	C15-C16-C17	-4.72	113.42	126.36
17	A	813	CLA	C3D-C4D-ND	4.72	117.66	109.99
17	B	820	CLA	C3D-C4D-ND	4.72	117.66	109.99
17	2	308	CLA	O2D-CGD-CBD	4.72	119.48	111.23
17	B	815	CLA	CMC-C2C-C1C	4.72	132.41	125.03
17	2	312	CLA	CHD-C4C-C3C	-4.72	117.89	124.77
17	A	805	CLA	C3D-C4D-ND	4.72	117.66	109.99
17	2	309	CLA	C3D-C4D-ND	4.72	117.66	109.99
17	B	814	CLA	C3D-C2D-C1D	-4.72	99.39	105.83
17	B	813	CLA	C2C-C1C-NC	4.72	114.94	109.98
16	A	801	CL0	C1C-C2C-C3C	-4.71	102.02	106.98
17	5	306	CLA	C3D-C4D-ND	4.71	117.65	109.99
17	B	804	CLA	C3C-C4C-NC	4.71	116.46	110.43
17	B	836	CLA	C3D-C2D-C1D	-4.71	99.41	105.83
17	A	809	CLA	C1C-C2C-C3C	-4.71	102.03	106.98
17	2	305	CLA	C3D-C2D-C1D	-4.71	99.41	105.83
17	B	815	CLA	C3D-C4D-ND	4.70	117.63	109.99
25	3	318	5X6	C12-C13-C14	-4.70	111.61	119.01
17	2	313	CLA	C3D-C4D-ND	4.70	117.63	109.99
17	A	823	CLA	C3C-C4C-NC	4.70	116.45	110.43
17	2	313	CLA	CAC-C3C-C4C	4.70	130.91	124.79
25	5	301	5X6	C39-C26-C25	-4.70	115.20	122.82
17	4	308	CLA	C3D-C2D-C1D	-4.70	99.42	105.83
17	1	310	CLA	C3D-C4D-ND	4.70	117.63	109.99
17	L	202	CLA	C3D-C2D-C1D	-4.70	99.42	105.83
17	A	814	CLA	CHD-C4C-C3C	-4.70	117.92	124.77
17	B	812	CLA	C2D-C1D-ND	4.70	114.77	110.13
17	A	836	CLA	CMD-C2D-C1D	4.70	133.00	124.73
17	A	859	CLA	C3D-C4D-ND	4.69	117.62	109.99
17	A	814	CLA	O2D-CGD-CBD	4.69	119.43	111.23
17	5	314	CLA	C4A-NA-C1A	-4.69	104.54	106.68
25	2	319	5X6	C15-C16-C17	-4.69	113.50	126.36
17	A	827	CLA	C2C-C1C-NC	4.69	114.91	109.98
25	3	317	5X6	C12-C11-C03	-4.69	114.47	127.00
17	1	307	CLA	C3D-C2D-C1D	-4.69	99.43	105.83
17	B	857	CLA	C3D-C2D-C1D	-4.69	99.43	105.83
17	B	823	CLA	C4A-NA-C1A	-4.69	104.54	106.68
17	B	812	CLA	C2C-C1C-NC	4.68	114.90	109.98
17	4	303	CLA	C2C-C1C-NC	4.67	114.89	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	3	309	CLA	C3D-C4D-ND	4.67	117.58	109.99
17	2	314	CLA	C4A-NA-C1A	-4.67	104.55	106.68
17	F	204	CLA	C3D-C4D-ND	4.67	117.58	109.99
17	5	304	CLA	C3D-C2D-C1D	-4.67	99.46	105.83
16	A	801	CL0	C3D-C2D-C1D	-4.67	99.46	105.83
17	3	315	CLA	C3D-C2D-C1D	-4.67	99.46	105.83
17	A	826	CLA	CAC-C3C-C4C	4.67	130.87	124.79
17	B	801	CLA	C2C-C1C-NC	4.67	114.89	109.98
17	5	313	CLA	O2D-CGD-CBD	4.67	119.39	111.23
17	1	306	CLA	C3D-C4D-ND	4.66	117.57	109.99
17	5	310	CLA	CHD-C4C-C3C	-4.66	117.97	124.77
25	5	301	5X6	C15-C16-C17	-4.66	113.58	126.36
17	3	312	CLA	O2D-CGD-CBD	4.66	119.38	111.23
17	L	204	CLA	C3D-C4D-ND	4.66	117.57	109.99
17	2	312	CLA	C3D-C2D-C1D	-4.66	99.47	105.83
17	3	311	CLA	C3D-C2D-C1D	-4.66	99.47	105.83
17	O	204	CLA	C3D-C2D-C1D	-4.66	99.47	105.83
17	A	808	CLA	C3D-C2D-C1D	-4.66	99.48	105.83
17	5	311	CLA	C3D-C2D-C1D	-4.66	99.48	105.83
25	J	105	5X6	C39-C26-C25	-4.65	115.28	122.82
17	2	316	CLA	C3D-C4D-ND	4.65	117.55	109.99
17	A	821	CLA	C3D-C2D-C1D	-4.65	99.48	105.83
17	B	801	CLA	C3D-C2D-C1D	-4.65	99.48	105.83
17	2	312	CLA	C2C-C1C-NC	4.65	114.87	109.98
17	1	305	CLA	C2C-C1C-NC	4.65	114.86	109.98
17	5	302	CLA	CHD-C4C-C3C	-4.64	118.00	124.77
17	A	852	CLA	C3D-C2D-C1D	-4.64	99.49	105.83
17	1	301	CLA	O2D-CGD-CBD	4.64	119.35	111.23
17	A	836	CLA	C4A-NA-C1A	-4.64	104.56	106.68
17	5	312	CLA	C3D-C2D-C1D	-4.64	99.50	105.83
17	4	305	CLA	C3D-C4D-ND	4.64	117.53	109.99
17	3	312	CLA	C4A-NA-C1A	-4.64	104.56	106.68
17	1	308	CLA	C3D-C2D-C1D	-4.64	99.50	105.83
17	5	304	CLA	C2C-C1C-NC	4.64	114.86	109.98
25	5	317	5X6	C15-C16-C17	-4.64	113.64	126.36
17	2	309	CLA	C3D-C2D-C1D	-4.64	99.50	105.83
25	1	316	5X6	C15-C16-C17	-4.64	113.64	126.36
17	A	834	CLA	CMC-C2C-C1C	4.64	132.28	125.03
17	B	819	CLA	CHD-C1D-ND	-4.64	118.28	124.80
17	2	314	CLA	C3D-C2D-C1D	-4.63	99.51	105.83
25	1	314	5X6	C27-C28-C29	-4.63	114.62	127.00
17	1	310	CLA	C3D-C2D-C1D	-4.63	99.51	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	828	CLA	C3D-C4D-ND	4.63	117.52	109.99
17	B	832	CLA	C3D-C4D-ND	4.63	117.52	109.99
17	A	833	CLA	CHD-C4C-C3C	-4.63	118.02	124.77
17	5	311	CLA	C4A-NA-C1A	-4.63	104.57	106.68
17	4	303	CLA	C3D-C2D-C1D	-4.63	99.51	105.83
17	2	304	CLA	C3D-C2D-C1D	-4.63	99.51	105.83
17	3	313	CLA	C4A-NA-C1A	-4.63	104.57	106.68
25	1	312	5X6	C12-C11-C03	-4.63	114.63	127.00
17	J	103	CLA	CMC-C2C-C1C	4.63	132.27	125.03
17	A	804	CLA	O2D-CGD-CBD	4.63	119.32	111.23
17	4	306	CLA	CAC-C3C-C4C	4.62	130.81	124.79
17	A	856	CLA	C3D-C4D-ND	4.62	117.50	109.99
17	1	309	CLA	C3D-C4D-ND	4.62	117.50	109.99
17	A	821	CLA	CHD-C1D-ND	-4.62	118.29	124.80
17	A	804	CLA	C1C-C2C-C3C	-4.62	102.12	106.98
17	A	836	CLA	C3D-C4D-ND	4.62	117.50	109.99
17	4	306	CLA	CHD-C4C-C3C	-4.62	118.03	124.77
17	1	301	CLA	CHD-C4C-C3C	-4.62	118.03	124.77
25	1	312	5X6	C42-C13-C14	-4.62	115.33	122.82
17	2	313	CLA	C3D-C2D-C1D	-4.62	99.53	105.83
25	2	317	5X6	C20-C19-C18	-4.61	114.08	123.52
17	1	302	CLA	C3D-C4D-ND	4.61	117.49	109.99
17	1	309	CLA	C3D-C2D-C1D	-4.61	99.54	105.83
17	B	834	CLA	C3D-C2D-C1D	-4.61	99.54	105.83
25	5	317	5X6	C11-C03-C02	-4.61	110.94	121.56
17	4	309	CLA	C4A-NA-C1A	-4.61	104.58	106.68
25	1	315	5X6	C16-C17-C18	-4.61	111.76	119.01
17	3	311	CLA	CHD-C1D-ND	-4.61	118.32	124.80
25	4	313	5X6	C24-C23-C22	-4.61	113.73	126.36
25	3	318	5X6	C24-C23-C22	-4.61	113.73	126.36
17	5	314	CLA	C3D-C2D-C1D	-4.61	99.55	105.83
17	B	830	CLA	CHD-C4C-C3C	-4.60	118.06	124.77
17	B	837	CLA	C3D-C4D-ND	4.60	117.47	109.99
25	5	315	5X6	C23-C22-C21	-4.60	111.77	119.01
17	A	836	CLA	O2D-CGD-CBD	4.60	119.28	111.23
17	2	307	CLA	CHD-C1D-ND	-4.60	118.33	124.80
17	1	311	CLA	CHD-C4C-C3C	-4.60	118.07	124.77
17	5	303	CLA	C3D-C2D-C1D	-4.60	99.55	105.83
25	4	312	5X6	C11-C12-C13	-4.59	119.44	126.23
17	B	836	CLA	CAC-C3C-C4C	4.59	130.77	124.79
25	4	314	5X6	C15-C16-C17	-4.59	113.78	126.36
17	B	836	CLA	O2D-CGD-CBD	4.58	119.25	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	805	CLA	CAC-C3C-C4C	4.58	130.75	124.79
17	2	311	CLA	CHD-C1D-ND	-4.58	118.35	124.80
25	4	312	5X6	C39-C26-C27	-4.58	111.09	118.09
17	3	305	CLA	O2D-CGD-CBD	4.58	119.24	111.23
17	3	305	CLA	CHD-C1D-ND	-4.58	118.36	124.80
17	B	835	CLA	C3D-C2D-C1D	-4.58	99.58	105.83
17	B	806	CLA	C3D-C2D-C1D	-4.58	99.58	105.83
17	B	801	CLA	CHD-C4C-C3C	-4.58	118.10	124.77
17	4	303	CLA	CAC-C3C-C4C	4.58	130.75	124.79
17	2	316	CLA	C3D-C2D-C1D	-4.58	99.58	105.83
17	2	308	CLA	C3D-C4D-ND	4.58	117.43	109.99
17	1	309	CLA	C4A-NA-C1A	-4.58	104.59	106.68
17	3	314	CLA	C3D-C4D-ND	4.58	117.43	109.99
17	2	312	CLA	CAC-C3C-C4C	4.58	130.74	124.79
25	3	318	5X6	C27-C28-C29	-4.57	114.78	127.00
17	B	805	CLA	C3C-C4C-NC	4.57	116.29	110.43
17	1	304	CLA	CMC-C2C-C1C	4.57	132.18	125.03
17	A	811	CLA	CMC-C2C-C1C	4.57	132.18	125.03
25	5	301	5X6	C12-C13-C14	-4.57	111.82	119.01
17	A	853	CLA	CHD-C1D-ND	-4.57	118.37	124.80
17	5	311	CLA	O2D-CGD-CBD	4.57	119.22	111.23
25	4	314	5X6	C16-C17-C18	-4.57	111.82	119.01
17	2	304	CLA	C2C-C1C-NC	4.57	114.78	109.98
17	4	311	CLA	C3D-C2D-C1D	-4.57	99.60	105.83
17	A	818	CLA	C2C-C1C-NC	4.57	114.78	109.98
17	2	306	CLA	C2C-C1C-NC	4.57	114.78	109.98
17	A	834	CLA	C3D-C2D-C1D	-4.57	99.60	105.83
17	3	314	CLA	C3D-C2D-C1D	-4.57	99.60	105.83
17	B	834	CLA	C3D-C4D-ND	4.57	117.41	109.99
17	B	823	CLA	C2C-C1C-NC	4.56	114.78	109.98
17	B	839	CLA	CAC-C3C-C4C	4.56	130.73	124.79
17	O	205	CLA	C2C-C1C-NC	4.56	114.77	109.98
17	2	309	CLA	CHD-C4C-C3C	-4.56	118.12	124.77
17	5	313	CLA	C2C-C1C-NC	4.56	114.77	109.98
17	4	305	CLA	C3D-C2D-C1D	-4.56	99.61	105.83
17	5	302	CLA	CAC-C3C-C4C	4.56	130.72	124.79
17	2	312	CLA	C3D-C4D-ND	4.56	117.39	109.99
17	3	307	CLA	CHD-C1D-ND	-4.56	118.39	124.80
17	5	310	CLA	C4A-NA-C1A	-4.56	104.60	106.68
17	5	314	CLA	C3D-C4D-ND	4.56	117.39	109.99
17	B	841	CLA	C3D-C2D-C1D	-4.56	99.61	105.83
17	B	830	CLA	C3D-C2D-C1D	-4.55	99.62	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	4	307	CLA	C3D-C4D-ND	4.55	117.39	109.99
17	4	304	CLA	C3D-C2D-C1D	-4.55	99.62	105.83
17	1	302	CLA	C1C-C2C-C3C	-4.55	102.19	106.98
17	5	310	CLA	C3D-C2D-C1D	-4.55	99.62	105.83
17	B	831	CLA	O2D-CGD-CBD	4.55	119.18	111.23
17	1	307	CLA	C4A-NA-C1A	-4.55	104.60	106.68
17	A	808	CLA	C3D-C4D-ND	4.55	117.38	109.99
25	1	312	5X6	C19-C20-C21	-4.55	114.21	123.52
17	O	203	CLA	C3D-C2D-C1D	-4.55	99.63	105.83
17	O	205	CLA	C3D-C4D-ND	4.55	117.38	109.99
17	5	302	CLA	C3D-C2D-C1D	-4.54	99.63	105.83
17	1	311	CLA	C3D-C2D-C1D	-4.54	99.63	105.83
25	2	318	5X6	C27-C28-C29	-4.54	114.86	127.00
17	A	814	CLA	C3D-C2D-C1D	-4.54	99.63	105.83
17	A	836	CLA	C3D-C2D-C1D	-4.54	99.63	105.83
17	1	311	CLA	C2C-C1C-NC	4.54	114.75	109.98
25	1	314	5X6	C24-C23-C22	-4.54	113.91	126.36
17	A	835	CLA	C3D-C2D-C1D	-4.54	99.64	105.83
25	5	316	5X6	C12-C11-C03	-4.54	114.87	127.00
17	1	301	CLA	C3D-C4D-ND	4.54	117.37	109.99
17	B	819	CLA	C2C-C1C-NC	4.54	114.75	109.98
25	1	314	5X6	C14-C15-C16	-4.54	110.05	123.20
17	B	832	CLA	C3D-C2D-C1D	-4.54	99.64	105.83
20	K	104	BCR	C15-C16-C17	4.53	132.80	123.52
17	3	305	CLA	C3D-C2D-C1D	-4.53	99.64	105.83
17	B	835	CLA	C3D-C4D-ND	4.53	117.35	109.99
17	3	313	CLA	C3D-C2D-C1D	-4.53	99.65	105.83
17	A	803	CLA	C1C-C2C-C3C	-4.53	102.22	106.98
17	5	310	CLA	O2D-CGD-CBD	4.53	119.15	111.23
17	4	310	CLA	C2C-C1C-NC	4.53	114.74	109.98
25	1	315	5X6	C11-C03-C02	-4.53	111.12	121.56
17	F	204	CLA	C3D-C2D-C1D	-4.53	99.65	105.83
20	B	848	BCR	C37-C22-C23	4.53	125.00	118.09
17	B	836	CLA	CMD-C2D-C1D	4.53	132.70	124.73
17	B	821	CLA	C2C-C1C-NC	4.53	114.74	109.98
25	4	313	5X6	C12-C11-C03	-4.53	114.91	127.00
17	5	308	CLA	O2D-CGD-CBD	4.53	119.14	111.23
17	O	205	CLA	C3D-C2D-C1D	-4.52	99.66	105.83
17	B	828	CLA	C3C-C4C-NC	4.52	116.22	110.43
17	3	306	CLA	C2C-C1C-NC	4.52	114.73	109.98
17	2	315	CLA	C3D-C2D-C1D	-4.52	99.66	105.83
17	3	306	CLA	C3D-C4D-ND	4.52	117.33	109.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	5	305	CLA	CHD-C1D-ND	-4.52	118.45	124.80
17	3	312	CLA	C3D-C2D-C1D	-4.52	99.67	105.83
17	A	806	CLA	C3D-C4D-ND	4.51	117.33	109.99
17	B	835	CLA	O2D-CGD-CBD	4.51	119.12	111.23
17	F	204	CLA	C4A-NA-C1A	-4.51	104.62	106.68
17	3	307	CLA	C3D-C2D-C1D	-4.51	99.67	105.83
17	F	203	CLA	C3D-C2D-C1D	-4.51	99.67	105.83
17	B	808	CLA	C3C-C4C-NC	4.51	116.21	110.43
25	4	314	5X6	C12-C11-C03	-4.51	114.95	127.00
17	B	817	CLA	C4A-NA-C1A	-4.51	104.62	106.68
25	5	301	5X6	C24-C23-C22	-4.51	114.00	126.36
25	1	316	5X6	C19-C20-C21	-4.51	114.30	123.52
20	B	848	BCR	C8-C9-C10	4.50	126.09	119.01
17	5	313	CLA	C3D-C4D-ND	4.50	117.31	109.99
17	B	830	CLA	C1C-C2C-C3C	-4.50	102.24	106.98
17	5	306	CLA	C2C-C1C-NC	4.50	114.71	109.98
17	B	840	CLA	C3C-C4C-NC	4.50	116.20	110.43
17	3	307	CLA	C4A-NA-C1A	-4.50	104.62	106.68
17	B	802	CLA	CMD-C2D-C1D	4.50	132.66	124.73
17	2	316	CLA	C4A-NA-C1A	-4.50	104.63	106.68
17	A	807	CLA	CAA-C2A-C3A	-4.50	100.84	113.00
25	2	320	5X6	C20-C19-C18	-4.50	114.31	123.52
17	B	822	CLA	CHD-C1D-ND	-4.50	118.47	124.80
17	4	309	CLA	C3D-C2D-C1D	-4.50	99.70	105.83
17	A	829	CLA	C4A-NA-C1A	-4.50	104.63	106.68
17	B	824	CLA	C4A-NA-C1A	-4.50	104.63	106.68
17	5	303	CLA	CHD-C1D-ND	-4.50	118.48	124.80
25	2	320	5X6	C01-C02-C07	-4.49	106.16	114.42
17	3	312	CLA	CAC-C3C-C4C	4.49	130.63	124.79
17	A	832	CLA	CHD-C4C-C3C	-4.49	118.22	124.77
17	A	807	CLA	C3C-C4C-NC	4.49	116.18	110.43
17	K	102	CLA	C4A-NA-C1A	-4.49	104.63	106.68
17	A	835	CLA	C4A-NA-C1A	-4.49	104.63	106.68
17	2	309	CLA	O2D-CGD-CBD	4.49	119.07	111.23
17	4	311	CLA	CHD-C1D-ND	-4.48	118.49	124.80
17	O	203	CLA	C2C-C1C-NC	4.48	114.69	109.98
17	5	311	CLA	C2C-C1C-NC	4.48	114.69	109.98
17	3	305	CLA	CMC-C2C-C1C	4.48	132.04	125.03
17	5	306	CLA	C3D-C2D-C1D	-4.48	99.72	105.83
17	4	310	CLA	C3D-C2D-C1D	-4.48	99.72	105.83
25	4	312	5X6	C19-C20-C21	-4.48	114.35	123.52
17	B	816	CLA	C2C-C1C-NC	4.48	114.69	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	1	311	CLA	CAC-C3C-C4C	4.48	130.62	124.79
25	1	312	5X6	C40-C22-C21	-4.48	115.56	122.82
17	A	829	CLA	C2C-C1C-NC	4.47	114.68	109.98
17	A	824	CLA	C3C-C4C-NC	4.47	116.16	110.43
17	A	805	CLA	O2D-CGD-CBD	4.47	119.05	111.23
20	L	201	BCR	C37-C22-C23	4.47	124.92	118.09
17	1	308	CLA	O2D-CGD-CBD	4.47	119.05	111.23
17	A	854	CLA	C3C-C4C-NC	4.47	116.15	110.43
17	3	311	CLA	C4A-NA-C1A	-4.46	104.64	106.68
17	A	811	CLA	C2C-C1C-NC	4.46	114.67	109.98
17	B	806	CLA	C3D-C4D-ND	4.46	117.24	109.99
17	L	202	CLA	C3D-C4D-ND	4.46	117.23	109.99
17	O	204	CLA	C3D-C4D-ND	4.46	117.23	109.99
25	1	314	5X6	C28-C29-C30	-4.46	111.29	121.56
17	1	311	CLA	C4A-NA-C1A	-4.45	104.65	106.68
17	B	817	CLA	C3D-C4D-ND	4.45	117.23	109.99
17	A	808	CLA	C2C-C1C-NC	4.45	114.66	109.98
17	A	837	CLA	C3D-C4D-ND	4.45	117.22	109.99
17	2	304	CLA	CHD-C1D-ND	-4.45	118.54	124.80
17	A	838	CLA	C3D-C4D-ND	4.45	117.22	109.99
17	A	802	CLA	C3D-C2D-C1D	-4.45	99.76	105.83
17	B	830	CLA	C3D-C4D-ND	4.45	117.22	109.99
17	A	819	CLA	C3D-C2D-C1D	-4.45	99.76	105.83
25	2	317	5X6	C27-C26-C25	-4.45	112.02	119.01
17	L	203	CLA	C3D-C2D-C1D	-4.45	99.76	105.83
17	4	307	CLA	CAC-C3C-C4C	4.45	130.57	124.79
17	5	305	CLA	CAC-C3C-C4C	4.45	130.57	124.79
25	3	318	5X6	C40-C22-C21	-4.44	115.61	122.82
25	3	317	5X6	C27-C28-C29	-4.44	115.13	127.00
17	A	855	CLA	C3D-C4D-ND	4.44	117.21	109.99
25	1	316	5X6	C16-C17-C18	-4.44	112.02	119.01
17	5	302	CLA	C2C-C1C-NC	4.44	114.65	109.98
17	A	834	CLA	C1C-C2C-C3C	-4.44	102.31	106.98
17	A	834	CLA	C3D-C4D-ND	4.44	117.20	109.99
17	A	835	CLA	C3C-C4C-NC	4.44	116.11	110.43
17	B	805	CLA	C2C-C1C-NC	4.44	114.64	109.98
17	3	312	CLA	C2C-C1C-NC	4.44	114.64	109.98
17	A	834	CLA	C4A-NA-C1A	-4.44	104.66	106.68
17	A	837	CLA	CMC-C2C-C1C	4.44	131.97	125.03
17	B	829	CLA	C3D-C4D-ND	4.44	117.20	109.99
17	B	806	CLA	C3B-C4B-NB	4.44	114.94	109.21
17	A	859	CLA	C2C-C1C-NC	4.43	114.64	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	3	310	CLA	C3D-C2D-C1D	-4.43	99.78	105.83
17	1	301	CLA	C4A-NA-C1A	-4.43	104.66	106.68
17	B	833	CLA	C1C-C2C-C3C	-4.43	102.32	106.98
17	O	203	CLA	CHD-C1D-ND	-4.43	118.57	124.80
17	A	807	CLA	C3D-C4D-ND	4.43	117.18	109.99
17	4	306	CLA	C3D-C2D-C1D	-4.42	99.79	105.83
25	5	301	5X6	C20-C19-C18	-4.42	114.47	123.52
17	B	815	CLA	C3D-C2D-C1D	-4.42	99.80	105.83
17	B	816	CLA	C3D-C2D-C1D	-4.42	99.80	105.83
17	5	306	CLA	CHD-C1D-ND	-4.42	118.59	124.80
17	5	312	CLA	C4A-NA-C1A	-4.41	104.67	106.68
17	A	811	CLA	C3C-C4C-NC	4.41	116.08	110.43
17	2	305	CLA	CHD-C1D-ND	-4.41	118.59	124.80
17	1	308	CLA	C2C-C1C-NC	4.41	114.61	109.98
17	1	309	CLA	O2D-CGD-CBD	4.41	118.94	111.23
17	A	812	CLA	CAC-C3C-C4C	4.41	130.53	124.79
25	4	312	5X6	C24-C23-C22	-4.41	114.28	126.36
17	A	838	CLA	C3D-C2D-C1D	-4.40	99.82	105.83
17	5	310	CLA	CHD-C1D-ND	-4.40	118.61	124.80
17	1	304	CLA	C3D-C2D-C1D	-4.40	99.82	105.83
25	4	314	5X6	C24-C23-C22	-4.40	114.30	126.36
17	B	818	CLA	C3D-C4D-ND	4.40	117.14	109.99
17	5	305	CLA	C3D-C2D-C1D	-4.40	99.83	105.83
17	3	309	CLA	O2D-CGD-CBD	4.40	118.92	111.23
25	4	312	5X6	C42-C13-C14	-4.40	115.69	122.82
25	5	317	5X6	C12-C11-C03	-4.40	115.25	127.00
17	2	308	CLA	C3D-C2D-C1D	-4.40	99.83	105.83
17	A	829	CLA	C3D-C2D-C1D	-4.40	99.83	105.83
17	3	312	CLA	CHD-C1D-ND	-4.40	118.61	124.80
17	A	807	CLA	C2C-C1C-NC	4.39	114.60	109.98
17	3	313	CLA	C2C-C1C-NC	4.39	114.60	109.98
17	2	310	CLA	C4A-NA-C1A	-4.39	104.67	106.68
17	1	311	CLA	CHD-C1D-ND	-4.39	118.62	124.80
17	A	802	CLA	C1C-C2C-C3C	-4.39	102.36	106.98
17	A	819	CLA	C4A-NA-C1A	-4.39	104.67	106.68
17	A	831	CLA	C3C-C4C-NC	4.39	116.06	110.43
17	4	303	CLA	C3D-C4D-ND	4.39	117.12	109.99
17	1	305	CLA	CHD-C4C-C3C	-4.39	118.37	124.77
17	A	833	CLA	C3D-C2D-C1D	-4.39	99.84	105.83
17	5	309	CLA	CHD-C1D-ND	-4.39	118.63	124.80
17	B	807	CLA	C1C-C2C-C3C	-4.39	102.37	106.98
17	A	837	CLA	CAC-C3C-C4C	4.39	130.50	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	5	304	CLA	O2D-CGD-CBD	4.39	118.90	111.23
17	B	825	CLA	C3D-C2D-C1D	-4.39	99.85	105.83
17	A	826	CLA	O2D-CGD-CBD	4.39	118.90	111.23
17	B	812	CLA	C3D-C4D-ND	4.38	117.11	109.99
17	B	840	CLA	C3D-C4D-ND	4.38	117.11	109.99
17	5	307	CLA	C3D-C4D-ND	4.38	117.10	109.99
25	1	313	5X6	C12-C11-C03	-4.37	115.31	127.00
17	A	816	CLA	C3C-C4C-NC	4.37	116.03	110.43
17	B	827	CLA	C3C-C4C-NC	4.37	116.03	110.43
17	2	315	CLA	CHD-C1D-ND	-4.37	118.65	124.80
25	2	319	5X6	C23-C22-C21	-4.37	112.13	119.01
17	B	828	CLA	CMD-C2D-C1D	4.37	132.43	124.73
17	5	303	CLA	C1-O2A-CGA	4.37	127.23	116.65
25	5	301	5X6	C40-C22-C21	-4.37	115.73	122.82
17	B	822	CLA	C4A-NA-C1A	-4.37	104.69	106.68
17	2	310	CLA	C3D-C2D-C1D	-4.37	99.87	105.83
25	F	205	5X6	C14-C15-C16	-4.37	110.54	123.20
25	5	301	5X6	C11-C03-C02	-4.37	111.49	121.56
25	3	316	5X6	C11-C03-C02	-4.37	111.49	121.56
17	B	838	CLA	C3D-C4D-ND	4.37	117.09	109.99
17	A	820	CLA	C2C-C1C-NC	4.37	114.57	109.98
17	B	802	CLA	C3C-C4C-NC	4.36	116.02	110.43
17	A	828	CLA	C3D-C2D-C1D	-4.36	99.88	105.83
17	B	825	CLA	CMC-C2C-C1C	4.36	131.85	125.03
25	2	319	5X6	C24-C23-C22	-4.36	114.41	126.36
17	B	831	CLA	C3D-C4D-ND	4.36	117.07	109.99
17	B	810	CLA	C3C-C4C-NC	4.36	116.02	110.43
17	A	825	CLA	C3C-C4C-NC	4.36	116.01	110.43
17	4	310	CLA	C4A-NA-C1A	-4.36	104.69	106.68
17	1	309	CLA	C2C-C1C-NC	4.35	114.56	109.98
25	2	321	5X6	C39-C26-C25	-4.35	115.76	122.82
25	1	316	5X6	C41-C17-C16	-4.35	111.44	118.09
17	A	818	CLA	C3D-C4D-ND	4.35	117.06	109.99
17	B	835	CLA	C4A-NA-C1A	-4.35	104.69	106.68
17	4	304	CLA	CHD-C1D-ND	-4.35	118.68	124.80
17	3	308	CLA	C3D-C2D-C1D	-4.35	99.90	105.83
17	2	307	CLA	C3D-C2D-C1D	-4.35	99.90	105.83
17	B	818	CLA	CAC-C3C-C4C	4.35	130.45	124.79
25	2	319	5X6	C19-C20-C21	-4.35	114.62	123.52
17	A	821	CLA	C2C-C1C-NC	4.35	114.55	109.98
17	B	811	CLA	C3D-C2D-C1D	-4.34	99.90	105.83
17	3	314	CLA	C2C-C1C-NC	4.34	114.55	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	1	305	CLA	C3D-C2D-C1D	-4.34	99.90	105.83
17	4	309	CLA	C2C-C1C-NC	4.34	114.54	109.98
17	2	309	CLA	C1C-C2C-C3C	-4.34	102.42	106.98
17	A	803	CLA	C3B-C4B-NB	4.34	114.82	109.21
17	5	305	CLA	C4A-NA-C1A	-4.34	104.70	106.68
17	3	315	CLA	C2C-C1C-NC	4.33	114.53	109.98
25	1	316	5X6	C40-C22-C21	-4.33	115.79	122.82
17	A	832	CLA	C3D-C2D-C1D	-4.33	99.92	105.83
17	K	102	CLA	C2C-C1C-NC	4.33	114.53	109.98
17	2	313	CLA	C2C-C1C-NC	4.33	114.53	109.98
17	5	307	CLA	C2C-C1C-NC	4.33	114.53	109.98
17	B	814	CLA	C3D-C4D-ND	4.33	117.02	109.99
17	1	308	CLA	C4A-NA-C1A	-4.33	104.70	106.68
25	2	318	5X6	C11-C03-C02	-4.33	111.59	121.56
17	5	310	CLA	C2C-C1C-NC	4.33	114.53	109.98
17	A	806	CLA	C1C-C2C-C3C	-4.33	102.43	106.98
17	B	820	CLA	C4A-NA-C1A	-4.32	104.71	106.68
17	3	315	CLA	C4A-NA-C1A	-4.32	104.71	106.68
17	L	204	CLA	C2C-C1C-NC	4.32	114.52	109.98
17	O	204	CLA	C2C-C1C-NC	4.32	114.52	109.98
17	J	103	CLA	C3D-C2D-C1D	-4.32	99.94	105.83
17	A	833	CLA	C2C-C1C-NC	4.32	114.52	109.98
17	3	315	CLA	CHD-C1D-ND	-4.31	118.73	124.80
17	A	809	CLA	C3D-C4D-ND	4.31	117.00	109.99
17	5	314	CLA	CHD-C1D-ND	-4.31	118.73	124.80
17	4	305	CLA	CHD-C1D-ND	-4.31	118.73	124.80
25	4	314	5X6	C27-C26-C25	-4.31	112.23	119.01
17	L	203	CLA	C3D-C4D-ND	4.31	116.99	109.99
17	A	837	CLA	C2C-C1C-NC	4.31	114.50	109.98
17	A	831	CLA	C1C-C2C-C3C	-4.31	102.45	106.98
17	B	827	CLA	C4A-NA-C1A	-4.30	104.72	106.68
17	2	308	CLA	C4A-NA-C1A	-4.30	104.72	106.68
25	4	313	5X6	C19-C20-C21	-4.30	114.71	123.52
17	A	819	CLA	C2C-C1C-NC	4.30	114.50	109.98
17	A	855	CLA	C3C-C4C-NC	4.30	115.94	110.43
25	1	316	5X6	C39-C26-C25	-4.30	115.85	122.82
17	4	308	CLA	CHD-C1D-ND	-4.30	118.75	124.80
25	2	321	5X6	C15-C16-C17	-4.30	114.58	126.36
25	5	315	5X6	C19-C20-C21	-4.30	114.73	123.52
17	1	306	CLA	C2C-C1C-NC	4.29	114.49	109.98
17	2	306	CLA	C3D-C4D-ND	4.29	116.97	109.99
17	1	310	CLA	CHD-C1D-ND	-4.29	118.76	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	830	CLA	C3B-C4B-NB	4.29	114.76	109.21
17	3	313	CLA	CHD-C1D-ND	-4.29	118.76	124.80
17	B	834	CLA	CHD-C1D-ND	-4.29	118.76	124.80
17	4	309	CLA	CHD-C1D-ND	-4.29	118.77	124.80
17	B	824	CLA	CHD-C1D-ND	-4.29	118.77	124.80
17	1	309	CLA	CHD-C1D-ND	-4.29	118.77	124.80
25	5	318	5X6	C24-C23-C22	-4.29	114.61	126.36
25	2	318	5X6	C14-C15-C16	-4.28	110.79	123.20
17	B	836	CLA	CMC-C2C-C1C	4.28	131.73	125.03
17	2	316	CLA	CHD-C1D-ND	-4.28	118.78	124.80
17	1	301	CLA	CAC-C3C-C4C	4.28	130.36	124.79
17	1	303	CLA	C3D-C4D-ND	4.28	116.94	109.99
25	1	315	5X6	C12-C11-C03	-4.28	115.58	127.00
25	J	105	5X6	C27-C28-C29	-4.27	115.58	127.00
25	2	320	5X6	C42-C13-C14	-4.27	115.89	122.82
17	B	835	CLA	C1C-C2C-C3C	-4.27	102.48	106.98
17	B	829	CLA	C1C-C2C-C3C	-4.27	102.49	106.98
17	2	314	CLA	CHD-C1D-ND	-4.27	118.79	124.80
17	5	311	CLA	CHD-C1D-ND	-4.27	118.79	124.80
17	A	805	CLA	C1C-C2C-C3C	-4.27	102.49	106.98
25	1	313	5X6	C15-C16-C17	-4.27	114.65	126.36
17	A	837	CLA	O2D-CGD-O1D	-4.27	115.54	123.85
17	B	802	CLA	C3D-C4D-ND	4.27	116.93	109.99
17	K	102	CLA	C3D-C4D-ND	4.27	116.93	109.99
17	1	305	CLA	CHD-C1D-ND	-4.27	118.80	124.80
17	5	304	CLA	C3D-C4D-ND	4.27	116.92	109.99
17	B	841	CLA	C4A-NA-C1A	-4.26	104.73	106.68
17	A	831	CLA	CMC-C2C-C1C	4.26	131.69	125.03
17	5	314	CLA	C2C-C1C-NC	4.26	114.46	109.98
17	B	801	CLA	CHD-C1D-ND	-4.26	118.81	124.80
17	B	815	CLA	C4-C3-C5	4.26	122.61	115.23
17	A	839	CLA	C3C-C4C-NC	4.25	115.88	110.43
17	5	302	CLA	C4A-NA-C1A	-4.25	104.74	106.68
17	3	309	CLA	CHD-C1D-ND	-4.25	118.82	124.80
17	A	853	CLA	C3D-C4D-ND	4.25	116.89	109.99
17	A	812	CLA	CMC-C2C-C1C	4.25	131.67	125.03
17	L	203	CLA	C1C-C2C-C3C	-4.25	102.51	106.98
17	4	310	CLA	CHD-C1D-ND	-4.25	118.82	124.80
25	1	313	5X6	C40-C22-C23	-4.25	111.60	118.09
17	B	809	CLA	C3D-C4D-ND	4.25	116.89	109.99
17	A	839	CLA	CAC-C3C-C4C	4.24	130.31	124.79
25	1	314	5X6	C23-C22-C21	-4.24	112.35	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	824	CLA	C1C-C2C-C3C	-4.23	102.53	106.98
17	A	832	CLA	C1C-C2C-C3C	-4.23	102.53	106.98
25	1	312	5X6	C27-C28-C29	-4.23	115.70	127.00
17	2	316	CLA	C2C-C1C-NC	4.23	114.42	109.98
17	B	826	CLA	C3D-C4D-ND	4.23	116.86	109.99
17	B	837	CLA	C3C-C4C-NC	4.23	115.85	110.43
17	F	204	CLA	CHD-C1D-ND	-4.23	118.85	124.80
25	5	316	5X6	C15-C16-C17	-4.23	114.77	126.36
17	A	815	CLA	C3D-C4D-ND	4.22	116.85	109.99
17	3	314	CLA	CHD-C1D-ND	-4.22	118.86	124.80
17	O	204	CLA	C4A-NA-C1A	-4.22	104.75	106.68
17	A	830	CLA	C3C-C4C-NC	4.22	115.84	110.43
20	B	846	BCR	C12-C13-C14	4.22	125.65	119.01
17	B	811	CLA	C1C-C2C-C3C	-4.22	102.54	106.98
17	3	308	CLA	C3D-C4D-ND	4.22	116.85	109.99
20	A	844	BCR	C37-C22-C21	-4.22	115.98	122.82
17	O	203	CLA	C4A-NA-C1A	-4.22	104.75	106.68
17	B	812	CLA	O2D-CGD-CBD	4.22	118.61	111.23
17	A	839	CLA	CMC-C2C-C1C	4.22	131.62	125.03
17	B	816	CLA	C4A-NA-C1A	-4.22	104.75	106.68
17	K	103	CLA	C3D-C4D-ND	4.22	116.84	109.99
17	4	306	CLA	CHD-C1D-ND	-4.21	118.87	124.80
25	2	318	5X6	C16-C17-C18	-4.21	112.38	119.01
17	B	840	CLA	O2D-CGD-CBD	4.21	118.59	111.23
17	B	811	CLA	C3D-C4D-ND	4.21	116.83	109.99
17	1	302	CLA	C3D-C2D-C1D	-4.21	100.08	105.83
17	A	837	CLA	C3C-C4C-NC	4.21	115.82	110.43
25	5	315	5X6	C39-C26-C25	-4.21	116.00	122.82
17	B	838	CLA	C3C-C4C-NC	4.21	115.82	110.43
17	J	103	CLA	C3D-C4D-ND	4.21	116.83	109.99
17	2	310	CLA	CHD-C1D-ND	-4.21	118.88	124.80
17	A	827	CLA	C3C-C4C-NC	4.20	115.81	110.43
17	B	841	CLA	C2C-C1C-NC	4.20	114.40	109.98
17	B	828	CLA	C1C-C2C-C3C	-4.20	102.56	106.98
17	A	805	CLA	CAC-C3C-C4C	4.20	130.26	124.79
17	4	305	CLA	C2C-C1C-NC	4.20	114.39	109.98
17	B	836	CLA	C3C-C4C-NC	4.20	115.81	110.43
17	A	820	CLA	CHD-C1D-ND	-4.20	118.89	124.80
17	2	308	CLA	CHD-C1D-ND	-4.20	118.89	124.80
17	B	817	CLA	CMC-C2C-C1C	4.20	131.59	125.03
17	L	204	CLA	C3D-C2D-C1D	-4.20	100.10	105.83
17	1	301	CLA	C3D-C2D-C1D	-4.20	100.11	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	830	CLA	C1C-C2C-C3C	-4.20	102.57	106.98
17	K	103	CLA	CAC-C3C-C4C	4.20	130.25	124.79
25	1	315	5X6	C28-C29-C30	-4.19	111.89	121.56
17	B	841	CLA	CHD-C1D-ND	-4.19	118.90	124.80
17	3	314	CLA	CMC-C2C-C1C	4.19	131.59	125.03
17	A	825	CLA	C4A-NA-C1A	-4.19	104.77	106.68
17	B	802	CLA	O2A-CGA-CBA	4.19	124.62	111.83
25	1	316	5X6	C11-C03-C02	-4.19	111.90	121.56
17	B	815	CLA	C3C-C4C-NC	4.19	115.80	110.43
17	2	315	CLA	C2C-C1C-NC	4.19	114.38	109.98
17	5	303	CLA	C2C-C1C-NC	4.19	114.38	109.98
17	B	836	CLA	C3D-C4D-ND	4.19	116.80	109.99
17	A	832	CLA	CAC-C3C-C4C	4.19	130.24	124.79
25	3	318	5X6	C16-C17-C18	-4.19	112.42	119.01
17	1	307	CLA	CHD-C1D-ND	-4.19	118.91	124.80
17	2	305	CLA	CMC-C2C-C1C	4.19	131.58	125.03
17	O	204	CLA	O2D-CGD-O1D	-4.19	115.70	123.85
25	J	105	5X6	C27-C26-C25	-4.18	112.43	119.01
17	A	852	CLA	C3C-C4C-NC	4.18	115.79	110.43
17	A	823	CLA	C1C-C2C-C3C	-4.18	102.58	106.98
17	L	203	CLA	C3C-C4C-NC	4.18	115.79	110.43
17	L	204	CLA	CAC-C3C-C4C	4.18	130.23	124.79
17	O	205	CLA	CHD-C1D-ND	-4.18	118.92	124.80
25	5	315	5X6	C24-C23-C22	-4.18	114.91	126.36
17	B	832	CLA	CHD-C1D-ND	-4.18	118.92	124.80
17	5	302	CLA	CHD-C1D-ND	-4.18	118.92	124.80
17	1	305	CLA	O2D-CGD-CBD	4.17	118.53	111.23
25	5	317	5X6	C27-C26-C25	-4.17	112.44	119.01
17	3	310	CLA	CHD-C1D-ND	-4.17	118.93	124.80
17	B	826	CLA	C3C-C4C-NC	4.17	115.78	110.43
17	A	853	CLA	C3C-C4C-NC	4.17	115.77	110.43
25	1	313	5X6	C41-C17-C18	-4.17	116.06	122.82
17	O	204	CLA	CHD-C1D-ND	-4.17	118.93	124.80
17	A	833	CLA	CHD-C1D-ND	-4.17	118.93	124.80
17	B	823	CLA	C3D-C2D-C1D	-4.17	100.14	105.83
17	2	309	CLA	CHD-C1D-ND	-4.17	118.94	124.80
17	A	829	CLA	C3D-C4D-ND	4.17	116.76	109.99
17	4	310	CLA	O2D-CGD-CBD	4.16	118.51	111.23
17	2	314	CLA	CAC-C3C-C4C	4.16	130.21	124.79
17	B	822	CLA	CMC-C2C-C1C	4.16	131.54	125.03
17	2	307	CLA	CMC-C2C-C1C	4.16	131.53	125.03
17	A	833	CLA	C1C-C2C-C3C	-4.16	102.61	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	4	312	5X6	C16-C17-C18	-4.16	112.47	119.01
17	A	823	CLA	C3B-C4B-NB	4.16	114.58	109.21
17	O	204	CLA	CMC-C2C-C1C	4.16	131.53	125.03
25	5	315	5X6	C27-C26-C25	-4.16	112.47	119.01
17	A	823	CLA	CMC-C2C-C1C	4.16	131.53	125.03
17	B	820	CLA	C2C-C1C-NC	4.15	114.34	109.98
17	3	310	CLA	C2C-C1C-NC	4.15	114.34	109.98
17	B	833	CLA	C3D-C4D-ND	4.15	116.74	109.99
25	5	301	5X6	C16-C17-C18	-4.15	112.48	119.01
25	1	314	5X6	C41-C17-C16	-4.15	111.75	118.09
17	B	818	CLA	O2A-CGA-CBA	4.15	124.48	111.83
17	5	308	CLA	C3D-C2D-C1D	-4.15	100.17	105.83
17	5	308	CLA	C4A-NA-C1A	-4.14	104.79	106.68
17	A	835	CLA	C1C-C2C-C3C	-4.14	102.63	106.98
17	4	309	CLA	CAC-C3C-C4C	4.14	130.18	124.79
17	A	812	CLA	C3C-C4C-NC	4.14	115.73	110.43
17	2	308	CLA	CHD-C4C-C3C	-4.14	118.74	124.77
17	B	810	CLA	C1C-C2C-C3C	-4.14	102.63	106.98
25	5	315	5X6	C12-C13-C14	-4.14	112.50	119.01
25	4	312	5X6	C15-C16-C17	-4.13	115.03	126.36
17	A	859	CLA	C3C-C4C-NC	4.13	115.73	110.43
17	B	841	CLA	CMC-C2C-C1C	4.13	131.49	125.03
17	2	311	CLA	CMC-C2C-C1C	4.13	131.49	125.03
17	A	856	CLA	C1C-C2C-C3C	-4.13	102.63	106.98
17	A	810	CLA	CMC-C2C-C1C	4.13	131.49	125.03
17	B	806	CLA	CMC-C2C-C1C	4.13	131.49	125.03
17	2	313	CLA	CHD-C1D-ND	-4.13	118.99	124.80
17	2	315	CLA	O2D-CGD-CBD	4.13	118.44	111.23
17	A	822	CLA	C2C-C1C-NC	4.13	114.32	109.98
17	2	316	CLA	CAC-C3C-C4C	4.12	130.16	124.79
17	5	310	CLA	CMC-C2C-C1C	4.12	131.47	125.03
20	A	857	BCR	C37-C22-C21	-4.12	116.14	122.82
17	B	802	CLA	C4A-NA-C1A	-4.12	104.80	106.68
17	O	205	CLA	C4A-NA-C1A	-4.12	104.80	106.68
17	B	827	CLA	C3D-C4D-ND	4.12	116.68	109.99
17	4	311	CLA	CMC-C2C-C1C	4.12	131.47	125.03
17	A	824	CLA	CHD-C1D-ND	-4.12	119.01	124.80
17	5	306	CLA	CAC-C3C-C4C	4.12	130.15	124.79
17	A	854	CLA	CMC-C2C-C1C	4.12	131.47	125.03
17	A	819	CLA	CHD-C1D-ND	-4.11	119.01	124.80
17	3	308	CLA	C4A-NA-C1A	-4.11	104.80	106.68
17	4	307	CLA	C2C-C1C-NC	4.11	114.30	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	809	CLA	C1C-C2C-C3C	-4.11	102.66	106.98
25	2	320	5X6	C41-C17-C18	-4.11	116.16	122.82
17	4	311	CLA	CAC-C3C-C4C	4.11	130.14	124.79
25	3	317	5X6	C42-C13-C12	-4.11	111.81	118.09
17	B	808	CLA	CHD-C1D-ND	-4.11	119.03	124.80
17	A	812	CLA	O2D-CGD-CBD	4.10	118.41	111.23
17	B	802	CLA	C1C-C2C-C3C	-4.10	102.66	106.98
17	B	838	CLA	C4A-NA-C1A	-4.10	104.81	106.68
17	A	854	CLA	CAC-C3C-C4C	4.10	130.13	124.79
17	2	307	CLA	CAC-C3C-C4C	4.10	130.13	124.79
17	B	821	CLA	C3D-C4D-ND	4.10	116.65	109.99
25	1	316	5X6	C42-C13-C12	-4.10	111.82	118.09
17	B	839	CLA	C3C-C4C-NC	4.10	115.68	110.43
17	B	840	CLA	C1C-C2C-C3C	-4.10	102.67	106.98
17	A	813	CLA	C2C-C1C-NC	4.10	114.29	109.98
17	B	857	CLA	C2C-C1C-NC	4.10	114.29	109.98
17	4	311	CLA	C2C-C1C-NC	4.10	114.29	109.98
17	A	834	CLA	CHD-C1D-ND	-4.10	119.04	124.80
17	5	308	CLA	CHD-C1D-ND	-4.10	119.04	124.80
17	F	203	CLA	C3D-C4D-ND	4.09	116.64	109.99
17	4	308	CLA	C4A-NA-C1A	-4.09	104.81	106.68
17	4	306	CLA	C2C-C1C-NC	4.09	114.28	109.98
17	2	316	CLA	CMC-C2C-C1C	4.09	131.43	125.03
25	3	316	5X6	C23-C22-C21	-4.09	112.57	119.01
17	3	314	CLA	C4A-NA-C1A	-4.09	104.81	106.68
17	B	820	CLA	CHD-C1D-ND	-4.09	119.04	124.80
17	3	306	CLA	CHD-C1D-ND	-4.09	119.05	124.80
17	3	309	CLA	C2C-C1C-NC	4.09	114.28	109.98
17	B	829	CLA	O2D-CGD-CBD	4.09	118.38	111.23
17	B	831	CLA	C1C-C2C-C3C	-4.09	102.68	106.98
17	2	306	CLA	O2D-CGD-CBD	4.09	118.38	111.23
25	2	317	5X6	C11-C03-C02	-4.09	112.14	121.56
17	B	833	CLA	C3C-C4C-NC	4.09	115.67	110.43
25	1	313	5X6	C39-C26-C27	-4.09	111.85	118.09
25	2	320	5X6	C12-C11-C03	-4.08	116.09	127.00
17	A	809	CLA	CMC-C2C-C1C	4.08	131.41	125.03
17	A	828	CLA	C4A-NA-C1A	-4.08	104.82	106.68
25	2	320	5X6	C14-C15-C16	-4.08	111.38	123.20
17	B	838	CLA	C1C-C2C-C3C	-4.08	102.69	106.98
17	5	312	CLA	CHD-C1D-ND	-4.08	119.06	124.80
17	2	312	CLA	CHD-C1D-ND	-4.08	119.06	124.80
25	1	316	5X6	C20-C19-C18	-4.08	115.18	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	809	CLA	C3C-C4C-NC	4.07	115.65	110.43
25	3	316	5X6	C24-C23-C22	-4.07	115.20	126.36
17	A	839	CLA	C1C-C2C-C3C	-4.07	102.70	106.98
17	B	806	CLA	C1C-C2C-C3C	-4.07	102.70	106.98
20	I	101	BCR	C37-C22-C23	4.07	124.30	118.09
17	A	835	CLA	C3D-C4D-ND	4.07	116.59	109.99
17	A	806	CLA	C3B-C4B-NB	4.06	114.47	109.21
17	A	818	CLA	C1C-C2C-C3C	-4.06	102.71	106.98
17	A	808	CLA	CHD-C1D-ND	-4.06	119.08	124.80
17	3	308	CLA	CAC-C3C-C4C	4.06	130.07	124.79
17	A	832	CLA	CHD-C1D-ND	-4.06	119.09	124.80
17	F	204	CLA	CMC-C2C-C1C	4.06	131.38	125.03
17	B	820	CLA	C3D-C2D-C1D	-4.06	100.30	105.83
17	A	832	CLA	C3D-C4D-ND	4.05	116.58	109.99
17	A	810	CLA	CHD-C1D-ND	-4.05	119.10	124.80
25	5	318	5X6	C16-C17-C18	-4.05	112.64	119.01
17	B	837	CLA	C1C-C2C-C3C	-4.05	102.72	106.98
17	B	813	CLA	CMC-C2C-C1C	4.05	131.37	125.03
17	A	818	CLA	CHD-C1D-ND	-4.05	119.10	124.80
17	5	309	CLA	C4A-NA-C1A	-4.05	104.83	106.68
17	A	822	CLA	C3C-C4C-NC	4.05	115.62	110.43
17	A	810	CLA	C3D-C4D-ND	4.04	116.56	109.99
17	A	831	CLA	C3D-C4D-ND	4.04	116.56	109.99
17	5	313	CLA	C3D-C2D-C1D	-4.04	100.31	105.83
17	A	824	CLA	O2D-CGD-CBD	4.04	118.30	111.23
17	B	816	CLA	C1D-CHD-C4C	-4.04	117.43	126.02
17	A	855	CLA	C1C-C2C-C3C	-4.04	102.73	106.98
17	B	804	CLA	C3B-C4B-NB	4.04	114.43	109.21
25	2	320	5X6	C24-C23-C22	-4.04	115.29	126.36
17	A	810	CLA	C3C-C4C-NC	4.04	115.60	110.43
17	A	852	CLA	CMC-C2C-C1C	4.04	131.34	125.03
17	A	813	CLA	C4A-NA-C1A	-4.04	104.84	106.68
25	3	317	5X6	C40-C22-C21	-4.03	116.28	122.82
17	A	830	CLA	C3D-C4D-ND	4.03	116.55	109.99
17	B	801	CLA	C1C-C2C-C3C	-4.03	102.74	106.98
17	2	304	CLA	C1C-C2C-C3C	-4.03	102.74	106.98
17	B	801	CLA	CMD-C2D-C1D	4.03	131.82	124.73
17	1	303	CLA	C2C-C1C-NC	4.03	114.21	109.98
17	4	307	CLA	C3D-C2D-C1D	-4.03	100.33	105.83
17	A	838	CLA	C3C-C4C-NC	4.03	115.59	110.43
17	B	857	CLA	CMD-C2D-C1D	4.02	131.82	124.73
17	A	814	CLA	CHD-C1D-ND	-4.02	119.14	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	1	304	CLA	CHD-C1D-ND	-4.02	119.14	124.80
17	A	807	CLA	CED-O2D-CGD	4.02	125.03	115.92
17	2	312	CLA	C4A-NA-C1A	-4.02	104.84	106.68
17	B	835	CLA	CHD-C1D-ND	-4.02	119.14	124.80
17	B	818	CLA	C4A-NA-C1A	-4.02	104.85	106.68
16	A	801	CL0	C3C-C4C-NC	4.02	115.58	110.43
17	L	203	CLA	CMC-C2C-C1C	4.01	131.31	125.03
17	A	803	CLA	CHD-C1D-ND	-4.01	119.16	124.80
17	1	303	CLA	CHD-C1D-ND	-4.01	119.16	124.80
17	4	308	CLA	C2C-C1C-NC	4.01	114.19	109.98
17	A	810	CLA	C1C-C2C-C3C	-4.01	102.76	106.98
17	L	202	CLA	C1C-C2C-C3C	-4.01	102.77	106.98
17	A	806	CLA	CMC-C2C-C1C	4.00	131.29	125.03
25	4	313	5X6	C20-C19-C18	-4.00	115.33	123.52
25	4	313	5X6	C41-C17-C18	-4.00	116.33	122.82
17	A	828	CLA	C3B-C4B-NB	4.00	114.38	109.21
17	B	823	CLA	CHD-C1D-ND	-4.00	119.17	124.80
17	A	815	CLA	C3C-C4C-NC	4.00	115.55	110.43
17	B	832	CLA	O2D-CGD-CBD	4.00	118.22	111.23
17	A	837	CLA	CHD-C1D-ND	-4.00	119.18	124.80
17	A	822	CLA	CMC-C2C-C1C	4.00	131.28	125.03
17	B	810	CLA	C3D-C4D-ND	4.00	116.48	109.99
20	M	101	BCR	C8-C9-C10	3.99	125.29	119.01
17	B	814	CLA	C3C-C4C-NC	3.99	115.54	110.43
17	A	827	CLA	CMC-C2C-C1C	3.99	131.26	125.03
17	1	310	CLA	C2C-C1C-NC	3.99	114.17	109.98
17	K	102	CLA	O2D-CGD-CBD	3.98	118.19	111.23
16	A	801	CL0	C3D-C4D-ND	3.98	116.46	109.99
25	4	313	5X6	C12-C13-C14	-3.98	112.75	119.01
17	B	802	CLA	O2D-CGD-O1D	-3.98	116.10	123.85
17	A	815	CLA	CMC-C2C-C1C	3.98	131.25	125.03
17	B	813	CLA	C3C-C4C-NC	3.98	115.53	110.43
17	5	304	CLA	C1C-C2C-C3C	-3.98	102.80	106.98
17	A	820	CLA	C1C-C2C-C3C	-3.98	102.80	106.98
25	2	317	5X6	C12-C13-C14	-3.98	112.75	119.01
25	4	313	5X6	C16-C17-C18	-3.97	112.76	119.01
17	A	803	CLA	CMC-C2C-C1C	3.97	131.24	125.03
25	2	317	5X6	C19-C20-C21	-3.97	115.40	123.52
17	A	852	CLA	C1C-C2C-C3C	-3.97	102.81	106.98
17	K	102	CLA	CHD-C1D-ND	-3.97	119.22	124.80
17	A	811	CLA	C3D-C4D-ND	3.97	116.44	109.99
17	B	826	CLA	CAA-C2A-C3A	-3.97	102.28	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	1	308	CLA	CHD-C1D-ND	-3.96	119.22	124.80
17	A	815	CLA	O2D-CGD-CBD	3.96	118.16	111.23
17	B	838	CLA	O2D-CGD-O1D	-3.96	116.14	123.85
17	1	304	CLA	CAC-C3C-C4C	3.96	129.94	124.79
17	B	806	CLA	C3C-C4C-NC	3.96	115.50	110.43
25	F	205	5X6	C11-C03-C02	-3.96	112.43	121.56
17	A	804	CLA	CMC-C2C-C1C	3.96	131.22	125.03
17	A	825	CLA	C2C-C1C-NC	3.96	114.14	109.98
25	4	313	5X6	C14-C15-C16	-3.95	111.75	123.20
25	5	301	5X6	C19-C20-C21	-3.95	115.43	123.52
17	B	831	CLA	CHD-C1D-ND	-3.95	119.24	124.80
17	A	852	CLA	CMD-C2D-C1D	3.95	131.69	124.73
25	2	319	5X6	C27-C28-C29	-3.95	116.44	127.00
17	B	819	CLA	C1C-C2C-C3C	-3.95	102.83	106.98
17	J	103	CLA	C1C-C2C-C3C	-3.95	102.83	106.98
17	3	314	CLA	CAC-C3C-C4C	3.95	129.93	124.79
17	B	805	CLA	C3D-C4D-ND	3.95	116.41	109.99
17	A	821	CLA	O2D-CGD-CBD	3.95	118.13	111.23
17	3	308	CLA	CMC-C2C-C1C	3.95	131.20	125.03
17	1	303	CLA	C4-C3-C5	3.95	122.08	115.23
17	A	806	CLA	C3C-C4C-NC	3.95	115.48	110.43
17	A	826	CLA	C1C-C2C-C3C	-3.94	102.83	106.98
25	5	318	5X6	C28-C29-C30	-3.94	112.47	121.56
25	2	317	5X6	C23-C22-C21	-3.94	112.81	119.01
17	5	303	CLA	C1C-C2C-C3C	-3.94	102.83	106.98
17	A	806	CLA	CHD-C1D-ND	-3.94	119.25	124.80
17	B	813	CLA	CHD-C1D-ND	-3.94	119.25	124.80
17	A	817	CLA	C1C-C2C-C3C	-3.94	102.83	106.98
25	3	316	5X6	C19-C20-C21	-3.94	115.47	123.52
17	2	315	CLA	C4A-NA-C1A	-3.93	104.89	106.68
17	B	807	CLA	C3C-C4C-NC	3.93	115.47	110.43
17	A	805	CLA	C3C-C4C-NC	3.93	115.47	110.43
17	3	312	CLA	CMC-C2C-C1C	3.93	131.18	125.03
17	A	817	CLA	C4A-NA-C1A	-3.93	104.89	106.68
17	A	826	CLA	C4C-C3C-C2C	-3.93	101.18	106.89
17	A	815	CLA	C4A-NA-C1A	-3.92	104.89	106.68
25	1	314	5X6	C12-C13-C14	-3.92	112.84	119.01
25	5	317	5X6	C42-C13-C12	-3.92	112.10	118.09
17	B	817	CLA	CHD-C1D-ND	-3.92	119.28	124.80
17	A	816	CLA	C3D-C4D-ND	3.92	116.35	109.99
17	A	803	CLA	CAC-C3C-C4C	3.91	129.88	124.79
17	K	103	CLA	C3C-C4C-NC	3.91	115.44	110.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	830	CLA	C3B-C4B-NB	3.91	114.27	109.21
17	A	822	CLA	CHD-C1D-ND	-3.91	119.29	124.80
17	K	102	CLA	C3C-C4C-NC	3.91	115.44	110.43
17	5	307	CLA	C4A-NA-C1A	-3.91	104.89	106.68
17	B	806	CLA	O2D-CGD-O1D	-3.91	116.24	123.85
17	A	807	CLA	C4C-C3C-C2C	-3.91	101.20	106.89
17	5	304	CLA	CHD-C1D-ND	-3.91	119.30	124.80
17	L	204	CLA	CHD-C1D-ND	-3.91	119.30	124.80
25	3	317	5X6	C27-C26-C25	-3.91	112.86	119.01
17	1	306	CLA	C3D-C2D-C1D	-3.91	100.50	105.83
20	M	101	BCR	C16-C15-C14	3.90	131.51	123.52
17	2	306	CLA	CHD-C1D-ND	-3.90	119.31	124.80
17	A	825	CLA	C3D-C4D-ND	3.90	116.33	109.99
17	B	824	CLA	CMC-C2C-C1C	3.90	131.12	125.03
17	B	817	CLA	C3C-C4C-NC	3.89	115.42	110.43
17	A	822	CLA	O2D-CGD-CBD	3.89	118.04	111.23
25	2	320	5X6	C39-C26-C27	-3.89	112.14	118.09
17	A	809	CLA	C1-O2A-CGA	3.89	126.07	116.65
17	2	306	CLA	C4A-NA-C1A	-3.89	104.90	106.68
17	B	812	CLA	C3C-C4C-NC	3.89	115.41	110.43
17	A	827	CLA	C3D-C4D-ND	3.89	116.31	109.99
17	4	303	CLA	C4A-NA-C1A	-3.89	104.91	106.68
17	B	818	CLA	C3C-C4C-NC	3.89	115.41	110.43
20	B	844	BCR	C37-C22-C23	3.89	124.03	118.09
17	B	836	CLA	C1C-C2C-C3C	-3.88	102.89	106.98
17	F	204	CLA	CHD-C4C-C3C	-3.88	119.11	124.77
20	A	857	BCR	C37-C22-C23	3.88	124.02	118.09
25	F	205	5X6	C39-C26-C27	-3.88	112.16	118.09
17	A	829	CLA	CHD-C1D-ND	-3.88	119.34	124.80
17	L	202	CLA	CHD-C1D-ND	-3.88	119.34	124.80
17	A	810	CLA	C3B-C4B-NB	3.88	114.23	109.21
25	3	316	5X6	C25-C24-C23	-3.88	111.95	123.20
25	4	314	5X6	C23-C22-C21	-3.88	112.90	119.01
17	B	834	CLA	C2C-C1C-NC	3.88	114.06	109.98
25	4	312	5X6	C25-C24-C23	-3.88	111.96	123.20
25	2	320	5X6	C27-C28-C29	-3.88	116.64	127.00
17	1	303	CLA	C1D-CHD-C4C	-3.88	117.78	126.02
17	5	307	CLA	CHD-C1D-ND	-3.87	119.35	124.80
17	K	103	CLA	C1D-CHD-C4C	-3.87	117.79	126.02
17	B	832	CLA	C1C-C2C-C3C	-3.87	102.91	106.98
17	B	857	CLA	O1D-CGD-CBD	-3.87	116.88	124.52
17	A	854	CLA	O2D-CGD-CBD	3.87	118.00	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	829	CLA	C1C-C2C-C3C	-3.87	102.91	106.98
20	J	104	BCR	C34-C9-C8	3.87	124.00	118.09
17	B	830	CLA	CAC-C3C-C4C	3.86	129.82	124.79
16	A	801	CL0	CMC-C2C-C1C	3.86	131.07	125.03
17	A	828	CLA	O2D-CGD-O1D	-3.86	116.33	123.85
17	B	817	CLA	C2C-C1C-NC	3.86	114.03	109.98
17	A	830	CLA	C1-O2A-CGA	3.86	125.99	116.65
17	A	828	CLA	C3C-C4C-NC	3.86	115.37	110.43
17	B	828	CLA	C3B-C4B-NB	3.86	114.20	109.21
17	1	306	CLA	CHD-C1D-ND	-3.86	119.38	124.80
17	K	103	CLA	C4A-NA-C1A	-3.85	104.92	106.68
16	A	801	CL0	C3B-C4B-NB	3.85	114.19	109.21
17	2	307	CLA	C2C-C1C-NC	3.85	114.03	109.98
17	5	308	CLA	O2A-CGA-CBA	3.85	123.57	111.83
17	K	102	CLA	CAC-C3C-C4C	3.85	129.80	124.79
17	4	308	CLA	CMC-C2C-C1C	3.85	131.05	125.03
17	B	801	CLA	C3D-C4D-ND	3.85	116.24	109.99
17	A	859	CLA	C4A-NA-C1A	-3.85	104.92	106.68
17	A	804	CLA	CAC-C3C-C4C	3.85	129.79	124.79
17	A	805	CLA	CMC-C2C-C1C	3.85	131.04	125.03
17	5	313	CLA	CHD-C1D-ND	-3.84	119.39	124.80
17	A	808	CLA	O2D-CGD-CBD	3.84	117.95	111.23
17	A	817	CLA	CHD-C1D-ND	-3.84	119.39	124.80
25	5	301	5X6	C27-C28-C29	-3.84	116.73	127.00
20	B	803	BCR	C15-C16-C17	3.84	131.38	123.52
17	B	837	CLA	CMC-C2C-C1C	3.84	131.03	125.03
17	B	807	CLA	C4-C3-C5	3.84	121.89	115.23
17	A	855	CLA	C1-C2-C3	-3.84	119.91	126.20
17	4	303	CLA	CHD-C1D-ND	-3.83	119.41	124.80
17	A	815	CLA	CAC-C3C-C4C	3.83	129.78	124.79
17	B	802	CLA	C1D-CHD-C4C	-3.83	117.88	126.02
25	5	315	5X6	C42-C13-C12	-3.83	112.24	118.09
17	B	821	CLA	C3C-C4C-NC	3.83	115.33	110.43
17	B	829	CLA	C1D-CHD-C4C	-3.83	117.89	126.02
17	A	809	CLA	C3C-C4C-NC	3.82	115.33	110.43
17	A	825	CLA	C4C-C3C-C2C	-3.82	101.33	106.89
17	B	833	CLA	CMC-C2C-C1C	3.82	131.00	125.03
25	2	319	5X6	C27-C26-C25	-3.81	113.01	119.01
25	F	205	5X6	C42-C13-C12	-3.81	112.27	118.09
17	4	309	CLA	CMC-C2C-C1C	3.81	130.99	125.03
17	2	310	CLA	C2C-C1C-NC	3.81	113.98	109.98
17	3	308	CLA	CHD-C1D-ND	-3.81	119.44	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	809	CLA	CAC-C3C-C4C	3.81	129.74	124.79
17	2	309	CLA	C4A-NA-C1A	-3.81	104.94	106.68
17	F	203	CLA	C1C-C2C-C3C	-3.81	102.98	106.98
25	5	315	5X6	C15-C16-C17	-3.81	115.93	126.36
17	A	825	CLA	CAC-C3C-C4C	3.81	129.74	124.79
17	A	808	CLA	C1C-C2C-C3C	-3.81	102.98	106.98
17	3	308	CLA	C1C-C2C-C3C	-3.81	102.98	106.98
17	B	825	CLA	C3D-C4D-ND	3.80	116.17	109.99
17	A	815	CLA	C1C-C2C-C3C	-3.80	102.98	106.98
25	5	318	5X6	C27-C26-C25	-3.80	113.03	119.01
17	A	852	CLA	C3D-C4D-ND	3.80	116.16	109.99
17	5	312	CLA	C2C-C1C-NC	3.80	113.97	109.98
17	5	312	CLA	CAC-C3C-C4C	3.80	129.73	124.79
17	1	308	CLA	CAC-C3C-C4C	3.80	129.73	124.79
17	B	829	CLA	C3C-C4C-NC	3.79	115.29	110.43
17	4	307	CLA	C4A-NA-C1A	-3.79	104.95	106.68
17	A	854	CLA	CHD-C1D-ND	-3.79	119.46	124.80
17	B	819	CLA	CAC-C3C-C4C	3.79	129.72	124.79
17	A	839	CLA	CHD-C1D-ND	-3.79	119.47	124.80
17	A	838	CLA	C1C-C2C-C3C	-3.79	103.00	106.98
17	A	817	CLA	CAC-C3C-C4C	3.78	129.71	124.79
17	B	818	CLA	CHD-C1D-ND	-3.78	119.48	124.80
17	O	203	CLA	C1C-C2C-C3C	-3.78	103.00	106.98
17	B	819	CLA	C3B-C4B-NB	3.78	114.10	109.21
25	2	321	5X6	C25-C24-C23	-3.78	112.25	123.20
17	J	103	CLA	C1D-CHD-C4C	-3.78	117.99	126.02
25	5	318	5X6	C25-C24-C23	-3.78	112.26	123.20
17	B	826	CLA	CHD-C1D-ND	-3.77	119.49	124.80
17	3	307	CLA	CMC-C2C-C1C	3.77	130.93	125.03
17	A	813	CLA	CHD-C1D-ND	-3.77	119.50	124.80
17	F	203	CLA	CMC-C2C-C1C	3.77	130.93	125.03
17	A	826	CLA	CHD-C1D-ND	-3.77	119.50	124.80
17	5	308	CLA	C2C-C1C-NC	3.77	113.94	109.98
17	A	804	CLA	C3B-C4B-NB	3.77	114.08	109.21
25	4	312	5X6	C14-C15-C16	-3.76	112.29	123.20
17	3	307	CLA	C2C-C1C-NC	3.76	113.94	109.98
17	B	830	CLA	O1D-CGD-CBD	-3.76	117.10	124.52
25	5	317	5X6	C27-C28-C29	-3.76	116.96	127.00
17	A	852	CLA	CAC-C3C-C4C	3.76	129.68	124.79
17	1	305	CLA	CAC-C3C-C4C	3.76	129.68	124.79
17	A	825	CLA	C1D-CHD-C4C	-3.76	118.04	126.02
17	B	833	CLA	CHD-C1D-ND	-3.75	119.52	124.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	830	CLA	CAC-C3C-C4C	3.75	129.67	124.79
17	5	304	CLA	C4A-NA-C1A	-3.75	104.97	106.68
17	B	839	CLA	C1D-CHD-C4C	-3.75	118.04	126.02
17	A	803	CLA	C3C-C4C-NC	3.75	115.24	110.43
17	5	309	CLA	C2C-C1C-NC	3.75	113.92	109.98
17	A	836	CLA	C1C-C2C-C3C	-3.75	103.03	106.98
17	B	821	CLA	C1C-C2C-C3C	-3.75	103.04	106.98
17	A	826	CLA	CMC-C2C-C1C	3.75	130.89	125.03
17	B	840	CLA	C4-C3-C5	3.75	121.73	115.23
17	5	312	CLA	CMC-C2C-C1C	3.75	130.89	125.03
25	3	316	5X6	C12-C13-C14	-3.74	113.12	119.01
17	B	821	CLA	CHD-C1D-ND	-3.74	119.53	124.80
25	1	313	5X6	C12-C13-C14	-3.74	113.13	119.01
17	A	859	CLA	CHD-C1D-ND	-3.74	119.54	124.80
20	L	201	BCR	C34-C9-C10	-3.74	116.76	122.82
17	2	308	CLA	C1C-C2C-C3C	-3.73	103.05	106.98
17	A	802	CLA	CHD-C1D-ND	-3.73	119.55	124.80
17	1	302	CLA	CHD-C1D-ND	-3.73	119.55	124.80
17	F	203	CLA	CAC-C3C-C4C	3.73	129.65	124.79
17	A	856	CLA	CHD-C1D-ND	-3.73	119.56	124.80
17	5	306	CLA	C4A-NA-C1A	-3.73	104.98	106.68
25	4	313	5X6	C42-C13-C12	-3.73	112.39	118.09
17	B	832	CLA	C3B-C4B-NB	3.73	114.03	109.21
25	2	318	5X6	C40-C22-C21	-3.73	116.78	122.82
17	5	304	CLA	C1D-CHD-C4C	-3.72	118.11	126.02
17	A	855	CLA	CMC-C2C-C1C	3.72	130.85	125.03
17	2	314	CLA	CMC-C2C-C1C	3.72	130.85	125.03
17	A	835	CLA	CMC-C2C-C1C	3.72	130.85	125.03
17	B	813	CLA	C4-C3-C5	3.72	121.69	115.23
17	1	304	CLA	C1D-CHD-C4C	-3.72	118.11	126.02
17	5	303	CLA	CMC-C2C-C1C	3.72	130.85	125.03
17	F	203	CLA	C3C-C4C-NC	3.72	115.19	110.43
17	B	857	CLA	CHD-C1D-ND	-3.72	119.57	124.80
17	B	811	CLA	C3C-C4C-NC	3.72	115.19	110.43
25	1	313	5X6	C42-C13-C12	-3.71	112.41	118.09
17	A	856	CLA	CMC-C2C-C1C	3.71	130.84	125.03
17	3	306	CLA	C4A-NA-C1A	-3.71	104.98	106.68
17	L	203	CLA	CAC-C3C-C4C	3.71	129.62	124.79
25	4	314	5X6	C41-C17-C16	-3.71	112.42	118.09
25	5	317	5X6	C39-C26-C27	-3.71	112.42	118.09
25	2	321	5X6	C11-C03-C02	-3.71	113.01	121.56
17	4	304	CLA	O2A-CGA-CBA	3.71	123.14	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	836	CLA	C3B-C4B-NB	3.71	114.00	109.21
17	B	830	CLA	CHD-C1D-ND	-3.71	119.59	124.80
25	2	318	5X6	C41-C17-C16	-3.71	112.43	118.09
25	2	318	5X6	C24-C23-C22	-3.70	116.20	126.36
17	B	841	CLA	C1C-C2C-C3C	-3.70	103.08	106.98
25	1	314	5X6	C11-C03-C02	-3.70	113.03	121.56
17	B	825	CLA	O2D-CGD-O1D	-3.70	116.64	123.85
17	A	802	CLA	C3C-C4C-NC	3.70	115.17	110.43
25	2	319	5X6	C11-C03-C02	-3.70	113.03	121.56
17	2	304	CLA	C4A-NA-C1A	-3.70	104.99	106.68
17	A	821	CLA	C3C-C4C-NC	3.70	115.16	110.43
17	B	813	CLA	C4A-NA-C1A	-3.69	105.00	106.68
20	B	845	BCR	C37-C22-C21	-3.69	116.84	122.82
25	4	314	5X6	C14-C15-C16	-3.69	112.51	123.20
17	B	813	CLA	C1C-C2C-C3C	-3.69	103.10	106.98
17	A	819	CLA	O2D-CGD-CBD	3.69	117.68	111.23
17	A	814	CLA	C3C-C4C-NC	3.69	115.15	110.43
17	1	302	CLA	C3B-C4B-NB	3.69	113.97	109.21
17	5	309	CLA	CMC-C2C-C1C	3.68	130.79	125.03
17	A	807	CLA	O2A-CGA-CBA	3.68	123.06	111.83
20	B	847	BCR	C29-C30-C25	3.68	115.78	110.44
17	A	804	CLA	C3C-C4C-NC	3.68	115.14	110.43
17	1	304	CLA	C3C-C4C-NC	3.68	115.14	110.43
17	A	805	CLA	CHD-C1D-ND	-3.68	119.62	124.80
17	B	823	CLA	C1C-C2C-C3C	-3.68	103.11	106.98
17	5	311	CLA	C1D-CHD-C4C	-3.68	118.20	126.02
17	2	315	CLA	CMC-C2C-C1C	3.68	130.78	125.03
17	B	857	CLA	C1C-C2C-C3C	-3.68	103.11	106.98
17	1	310	CLA	CAC-C3C-C4C	3.67	129.57	124.79
17	A	836	CLA	CHD-C1D-ND	-3.67	119.63	124.80
17	B	825	CLA	C1D-CHD-C4C	-3.67	118.22	126.02
17	2	306	CLA	C1D-CHD-C4C	-3.67	118.22	126.02
17	2	309	CLA	CBC-CAC-C3C	-3.67	102.47	112.42
17	B	806	CLA	CHD-C1D-ND	-3.67	119.64	124.80
16	A	801	CL0	CAA-C2A-C3A	-3.67	103.09	113.00
25	3	317	5X6	C16-C17-C18	-3.67	113.24	119.01
17	1	301	CLA	C3C-C4C-NC	3.67	115.13	110.43
17	A	825	CLA	C3B-C4B-NB	3.67	113.95	109.21
17	1	306	CLA	C1D-CHD-C4C	-3.67	118.23	126.02
17	3	313	CLA	C1D-CHD-C4C	-3.66	118.23	126.02
17	B	832	CLA	C3C-C4C-NC	3.66	115.12	110.43
17	B	822	CLA	C2C-C1C-NC	3.66	113.83	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
20	A	845	BCR	C34-C9-C8	3.66	123.69	118.09
17	4	305	CLA	C1D-CHD-C4C	-3.66	118.23	126.02
17	A	835	CLA	CAC-C3C-C4C	3.66	129.56	124.79
17	J	103	CLA	C3C-C4C-NC	3.66	115.12	110.43
17	O	204	CLA	C1C-C2C-C3C	-3.66	103.13	106.98
17	F	203	CLA	CHD-C1D-ND	-3.66	119.65	124.80
25	2	321	5X6	C24-C23-C22	-3.66	116.32	126.36
25	5	315	5X6	C25-C24-C23	-3.66	112.60	123.20
17	A	809	CLA	CHD-C1D-ND	-3.66	119.65	124.80
17	O	205	CLA	C1C-C2C-C3C	-3.66	103.13	106.98
17	L	203	CLA	C1D-CHD-C4C	-3.66	118.25	126.02
17	B	816	CLA	CHD-C1D-ND	-3.66	119.66	124.80
22	A	848	LMT	O1B-C4'-C3'	3.66	116.52	107.23
17	A	812	CLA	C1-O2A-CGA	3.65	125.49	116.65
17	5	308	CLA	C1D-CHD-C4C	-3.65	118.26	126.02
20	B	846	BCR	C16-C15-C14	3.65	130.99	123.52
17	4	304	CLA	C1-O2A-CGA	3.65	125.48	116.65
25	3	318	5X6	C14-C15-C16	-3.65	112.64	123.20
17	2	309	CLA	CMC-C2C-C1C	3.65	130.73	125.03
17	B	829	CLA	CHD-C1D-ND	-3.64	119.67	124.80
17	L	202	CLA	C3C-C4C-NC	3.64	115.09	110.43
17	B	813	CLA	C3D-C4D-ND	3.64	115.90	109.99
17	1	302	CLA	C4A-NA-C1A	-3.64	105.02	106.68
17	A	820	CLA	C3B-C4B-NB	3.64	113.91	109.21
17	B	823	CLA	C3C-C4C-NC	3.64	115.09	110.43
17	1	309	CLA	C1C-C2C-C3C	-3.64	103.15	106.98
25	5	315	5X6	C39-C26-C27	-3.64	112.53	118.09
17	A	813	CLA	CAC-C3C-C4C	3.64	129.52	124.79
17	B	835	CLA	CMC-C2C-C1C	3.63	130.71	125.03
17	B	804	CLA	C3D-C4D-ND	3.63	115.89	109.99
17	B	833	CLA	C3B-C4B-NB	3.63	113.91	109.21
17	3	310	CLA	C1D-CHD-C4C	-3.63	118.30	126.02
17	5	309	CLA	C1D-CHD-C4C	-3.63	118.30	126.02
25	3	318	5X6	C25-C24-C23	-3.63	112.68	123.20
17	A	823	CLA	C3D-C4D-ND	3.63	115.89	109.99
25	3	316	5X6	C16-C17-C18	-3.63	113.30	119.01
25	3	317	5X6	C24-C23-C22	-3.63	116.42	126.36
17	A	826	CLA	CAA-C2A-C3A	-3.62	103.21	113.00
25	1	315	5X6	C27-C26-C25	-3.62	113.31	119.01
25	2	320	5X6	C15-C16-C17	-3.62	116.43	126.36
17	1	303	CLA	C3C-C4C-NC	3.62	115.07	110.43
20	K	104	BCR	C37-C22-C21	-3.62	116.95	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	813	CLA	O2D-CGD-CBD	3.62	117.56	111.23
17	4	307	CLA	CHD-C1D-ND	-3.62	119.71	124.80
20	L	206	BCR	C8-C9-C10	3.62	124.70	119.01
17	B	805	CLA	C4C-C3C-C2C	-3.62	101.62	106.89
17	B	833	CLA	C1D-CHD-C4C	-3.62	118.33	126.02
17	A	832	CLA	C3C-C4C-NC	3.62	115.06	110.43
17	2	309	CLA	C1D-CHD-C4C	-3.62	118.33	126.02
17	A	818	CLA	C3C-C4C-NC	3.62	115.06	110.43
25	1	315	5X6	C27-C28-C29	-3.62	117.34	127.00
17	B	805	CLA	CMC-C2C-C1C	3.61	130.68	125.03
17	B	818	CLA	O2D-CGD-O1D	-3.61	116.81	123.85
17	B	812	CLA	C3B-C4B-NB	3.61	113.88	109.21
17	B	827	CLA	C4C-C3C-C2C	-3.61	101.63	106.89
17	L	202	CLA	C1D-CHD-C4C	-3.61	118.34	126.02
17	2	311	CLA	C1-O2A-CGA	3.61	125.39	116.65
17	F	204	CLA	C1C-C2C-C3C	-3.61	103.18	106.98
17	B	831	CLA	C3C-C4C-NC	3.61	115.05	110.43
17	4	310	CLA	C1C-C2C-C3C	-3.61	103.18	106.98
25	2	317	5X6	C24-C23-C22	-3.61	116.47	126.36
17	3	308	CLA	C1D-CHD-C4C	-3.61	118.35	126.02
17	4	310	CLA	CED-O2D-CGD	3.61	124.10	115.92
17	B	837	CLA	C1D-CHD-C4C	-3.61	118.35	126.02
25	4	312	5X6	C12-C11-C03	-3.61	117.36	127.00
17	A	859	CLA	C4C-C3C-C2C	-3.61	101.64	106.89
20	B	803	BCR	C34-C9-C8	-3.61	112.58	118.09
17	A	832	CLA	O2D-CGD-O1D	-3.61	116.83	123.85
17	B	825	CLA	C1C-C2C-C3C	-3.61	103.19	106.98
17	B	828	CLA	CAC-C3C-C4C	3.61	129.48	124.79
17	B	805	CLA	C1D-CHD-C4C	-3.60	118.36	126.02
17	B	820	CLA	C1D-CHD-C4C	-3.60	118.36	126.02
17	A	805	CLA	C3B-C4B-NB	3.60	113.87	109.21
17	A	816	CLA	C4C-C3C-C2C	-3.60	101.65	106.89
17	5	313	CLA	C4A-NA-C1A	-3.60	105.04	106.68
17	5	306	CLA	C1C-C2C-C3C	-3.60	103.19	106.98
17	A	834	CLA	CAC-C3C-C4C	3.60	129.47	124.79
17	B	811	CLA	C1D-CHD-C4C	-3.60	118.37	126.02
17	2	306	CLA	CAC-C3C-C4C	3.60	129.47	124.79
17	A	813	CLA	C1D-CHD-C4C	-3.60	118.37	126.02
17	1	309	CLA	C1D-CHD-C4C	-3.60	118.37	126.02
25	5	316	5X6	C41-C17-C18	-3.60	116.99	122.82
17	3	313	CLA	C1C-C2C-C3C	-3.59	103.20	106.98
17	B	828	CLA	CMC-C2C-C1C	3.59	130.65	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	3	307	CLA	CAC-C3C-C4C	3.59	129.46	124.79
17	A	827	CLA	CHD-C1D-ND	-3.59	119.75	124.80
25	5	317	5X6	C23-C22-C21	-3.59	113.36	119.01
17	B	831	CLA	CAC-C3C-C4C	3.59	129.46	124.79
25	2	321	5X6	C14-C15-C16	-3.59	112.79	123.20
17	2	311	CLA	C1D-CHD-C4C	-3.59	118.39	126.02
17	B	835	CLA	C1D-CHD-C4C	-3.59	118.39	126.02
25	1	315	5X6	C39-C26-C27	-3.59	112.60	118.09
17	2	315	CLA	C1C-C2C-C3C	-3.59	103.21	106.98
17	A	816	CLA	O2A-CGA-CBA	3.59	122.77	111.83
17	A	836	CLA	C3C-C4C-NC	3.58	115.02	110.43
17	4	306	CLA	CMC-C2C-C1C	3.58	130.63	125.03
20	B	803	BCR	C37-C22-C21	-3.58	117.01	122.82
17	1	306	CLA	C1C-C2C-C3C	-3.58	103.21	106.98
25	1	313	5X6	C24-C23-C22	-3.58	116.55	126.36
17	B	812	CLA	C1D-CHD-C4C	-3.58	118.42	126.02
17	B	828	CLA	C3D-C4D-ND	3.57	115.80	109.99
17	B	857	CLA	C3C-C4C-NC	3.57	115.01	110.43
17	2	314	CLA	C2C-C1C-NC	3.57	113.74	109.98
25	2	319	5X6	C25-C24-C23	-3.57	112.85	123.20
17	5	307	CLA	C1D-CHD-C4C	-3.57	118.43	126.02
17	A	827	CLA	C1C-C2C-C3C	-3.57	103.22	106.98
17	B	822	CLA	C1C-C2C-C3C	-3.57	103.22	106.98
17	5	312	CLA	C3C-C4C-NC	3.57	115.01	110.43
17	B	821	CLA	C4A-NA-C1A	-3.57	105.05	106.68
17	B	810	CLA	CAC-C3C-C4C	3.57	129.44	124.79
17	B	807	CLA	C3D-C4D-ND	3.57	115.79	109.99
17	3	314	CLA	C1C-C2C-C3C	-3.57	103.23	106.98
17	B	827	CLA	C1C-C2C-C3C	-3.56	103.23	106.98
17	4	308	CLA	C1C-C2C-C3C	-3.56	103.23	106.98
17	A	855	CLA	CHD-C1D-ND	-3.56	119.79	124.80
25	2	319	5X6	C41-C17-C16	-3.56	112.65	118.09
17	B	813	CLA	C1D-CHD-C4C	-3.56	118.46	126.02
17	3	306	CLA	C1D-CHD-C4C	-3.56	118.46	126.02
17	B	831	CLA	C3B-C4B-NB	3.56	113.81	109.21
17	K	102	CLA	C1D-CHD-C4C	-3.56	118.46	126.02
17	A	838	CLA	C4-C3-C2	-3.56	114.50	123.63
17	B	808	CLA	C4C-C3C-C2C	-3.56	101.72	106.89
25	F	205	5X6	C40-C22-C21	-3.55	117.06	122.82
17	A	819	CLA	CAC-C3C-C4C	3.55	129.41	124.79
17	A	823	CLA	C1D-CHD-C4C	-3.55	118.47	126.02
25	5	315	5X6	C27-C28-C29	-3.55	117.51	127.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	836	CLA	C2A-C1A-CHA	-3.55	117.71	123.87
17	B	822	CLA	C1D-CHD-C4C	-3.55	118.48	126.02
17	A	822	CLA	C4C-C3C-C2C	-3.55	101.73	106.89
17	B	841	CLA	C3C-C4C-NC	3.55	114.97	110.43
17	2	307	CLA	O2D-CGD-O1D	-3.55	116.94	123.85
17	3	312	CLA	C1C-C2C-C3C	-3.55	103.25	106.98
25	5	317	5X6	C40-C22-C23	-3.55	112.67	118.09
20	A	857	BCR	C16-C15-C14	3.55	130.77	123.52
17	5	313	CLA	C1D-CHD-C4C	-3.54	118.49	126.02
17	5	314	CLA	C1C-C2C-C3C	-3.54	103.25	106.98
17	A	807	CLA	C1-C2-C3	-3.54	120.39	126.20
17	B	818	CLA	C1C-C2C-C3C	-3.54	103.25	106.98
17	A	815	CLA	C1D-CHD-C4C	-3.54	118.49	126.02
17	B	828	CLA	O2D-CGD-O1D	-3.54	116.96	123.85
17	O	204	CLA	CAC-C3C-C4C	3.54	129.40	124.79
20	L	201	BCR	C16-C15-C14	3.54	130.76	123.52
17	B	808	CLA	C1C-C2C-C3C	-3.54	103.26	106.98
17	B	809	CLA	CHD-C1D-ND	-3.54	119.82	124.80
17	B	809	CLA	CMC-C2C-C1C	3.54	130.56	125.03
25	2	318	5X6	C25-C24-C23	-3.54	112.95	123.20
17	B	823	CLA	C1D-CHD-C4C	-3.54	118.50	126.02
17	1	307	CLA	C1D-CHD-C4C	-3.54	118.51	126.02
17	B	812	CLA	CAC-C3C-C4C	3.53	129.39	124.79
25	2	317	5X6	C25-C24-C23	-3.53	112.97	123.20
18	B	842	PQN	C2M-C2-C3	-3.53	118.65	124.45
17	A	810	CLA	O2D-CGD-CBD	3.53	117.40	111.23
17	L	204	CLA	C3C-C4C-NC	3.53	114.95	110.43
17	A	856	CLA	C3B-C4B-NB	3.53	113.77	109.21
17	A	813	CLA	C3C-C4C-NC	3.53	114.95	110.43
20	J	104	BCR	C37-C22-C23	3.53	123.47	118.09
17	4	307	CLA	CMC-C2C-C1C	3.53	130.54	125.03
17	B	812	CLA	C4C-C3C-C2C	-3.53	101.76	106.89
17	B	817	CLA	C1D-CHD-C4C	-3.52	118.53	126.02
17	A	809	CLA	CAC-C3C-C4C	3.52	129.38	124.79
25	2	321	5X6	C27-C26-C25	-3.52	113.47	119.01
17	4	303	CLA	C3C-C4C-NC	3.52	114.94	110.43
25	2	317	5X6	C27-C28-C29	-3.52	117.59	127.00
17	3	307	CLA	CED-O2D-CGD	3.52	123.90	115.92
17	5	311	CLA	C3C-C4C-NC	3.52	114.94	110.43
17	3	315	CLA	C1C-C2C-C3C	-3.52	103.28	106.98
17	2	310	CLA	C1D-CHD-C4C	-3.52	118.54	126.02
17	B	838	CLA	C1D-CHD-C4C	-3.52	118.55	126.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	4	309	CLA	C1C-C2C-C3C	-3.52	103.28	106.98
17	A	824	CLA	CMC-C2C-C1C	3.52	130.53	125.03
17	A	811	CLA	C4C-C3C-C2C	-3.51	101.78	106.89
20	A	846	BCR	C37-C22-C23	3.51	123.46	118.09
17	B	817	CLA	CAC-C3C-C4C	3.51	129.36	124.79
17	4	307	CLA	C1D-CHD-C4C	-3.51	118.56	126.02
17	B	830	CLA	C4A-NA-C1A	-3.51	105.08	106.68
17	A	826	CLA	C3D-C4D-ND	3.51	115.69	109.99
17	A	821	CLA	C4C-C3C-C2C	-3.51	101.78	106.89
17	B	808	CLA	C2A-C1A-CHA	-3.51	117.78	123.87
17	A	820	CLA	C4A-NA-C1A	-3.50	105.08	106.68
17	3	305	CLA	C2C-C1C-NC	3.50	113.66	109.98
17	B	802	CLA	CHD-C1D-ND	-3.50	119.88	124.80
17	3	315	CLA	C1D-CHD-C4C	-3.50	118.58	126.02
17	2	313	CLA	C3C-C4C-NC	3.50	114.91	110.43
17	A	814	CLA	C4C-C3C-C2C	-3.50	101.80	106.89
17	B	820	CLA	C1C-C2C-C3C	-3.50	103.30	106.98
17	5	312	CLA	C1D-CHD-C4C	-3.50	118.59	126.02
17	A	829	CLA	C3C-C4C-NC	3.50	114.91	110.43
17	B	801	CLA	C3C-C4C-NC	3.50	114.91	110.43
17	2	306	CLA	C1C-C2C-C3C	-3.50	103.30	106.98
20	B	845	BCR	C34-C9-C10	-3.49	117.15	122.82
17	5	311	CLA	C1C-C2C-C3C	-3.49	103.31	106.98
17	A	819	CLA	C1D-CHD-C4C	-3.49	118.59	126.02
17	4	305	CLA	CAC-C3C-C4C	3.49	129.34	124.79
17	5	303	CLA	O2A-CGA-CBA	3.49	122.48	111.83
17	A	831	CLA	CHD-C1D-ND	-3.49	119.89	124.80
20	J	104	BCR	C37-C22-C21	-3.49	117.16	122.82
17	3	311	CLA	C1D-CHD-C4C	-3.49	118.60	126.02
25	1	314	5X6	C25-C24-C23	-3.49	113.09	123.20
17	1	301	CLA	CHD-C1D-ND	-3.49	119.89	124.80
17	A	816	CLA	C1D-CHD-C4C	-3.49	118.60	126.02
17	A	854	CLA	C1C-C2C-C3C	-3.49	103.31	106.98
17	5	306	CLA	CMC-C2C-C1C	3.49	130.49	125.03
25	4	314	5X6	C01-C02-C07	-3.49	108.01	114.42
17	4	304	CLA	C2C-C1C-NC	3.49	113.64	109.98
17	A	804	CLA	C3D-C4D-ND	3.49	115.66	109.99
25	1	315	5X6	C23-C22-C21	-3.49	113.53	119.01
25	5	315	5X6	C14-C15-C16	-3.48	113.10	123.20
17	5	309	CLA	C1C-C2C-C3C	-3.48	103.31	106.98
17	B	826	CLA	C4A-NA-C1A	-3.48	105.09	106.68
17	B	815	CLA	C3B-C4B-NB	3.48	113.71	109.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	807	CLA	CHD-C1D-ND	-3.48	119.91	124.80
17	4	308	CLA	C1D-CHD-C4C	-3.48	118.63	126.02
17	2	314	CLA	C3C-C4C-NC	3.48	114.88	110.43
20	B	843	BCR	C37-C22-C21	-3.48	117.19	122.82
17	5	304	CLA	O2A-CGA-CBA	3.47	122.43	111.83
17	1	303	CLA	O2D-CGD-CBD	3.47	117.30	111.23
20	A	843	BCR	C15-C16-C17	3.47	130.62	123.52
17	L	204	CLA	O2D-CGD-CBD	3.47	117.30	111.23
17	B	839	CLA	O2D-CGD-CBD	3.47	117.30	111.23
17	B	836	CLA	CHD-C1D-ND	-3.47	119.92	124.80
17	B	825	CLA	CBC-CAC-C3C	-3.47	103.01	112.42
17	B	815	CLA	C1C-C2C-C3C	-3.47	103.33	106.98
17	3	306	CLA	C1C-C2C-C3C	-3.47	103.33	106.98
17	B	814	CLA	C1C-C2C-C3C	-3.47	103.33	106.98
17	1	309	CLA	CMC-C2C-C1C	3.47	130.45	125.03
25	5	318	5X6	C01-C02-C07	-3.47	108.05	114.42
17	O	205	CLA	C3C-C4C-NC	3.47	114.87	110.43
17	B	838	CLA	CHD-C1D-ND	-3.46	119.93	124.80
17	A	804	CLA	CHD-C1D-ND	-3.46	119.93	124.80
17	2	304	CLA	C1D-CHD-C4C	-3.46	118.66	126.02
20	B	846	BCR	C35-C13-C14	-3.46	117.21	122.82
17	B	840	CLA	CHC-C1C-C2C	-3.46	117.14	126.94
17	4	310	CLA	C1D-CHD-C4C	-3.46	118.67	126.02
17	A	812	CLA	CHD-C1D-ND	-3.46	119.93	124.80
17	K	103	CLA	C4C-C3C-C2C	-3.46	101.86	106.89
20	B	847	BCR	C34-C9-C8	3.46	123.37	118.09
17	1	310	CLA	C3C-C4C-NC	3.46	114.86	110.43
17	A	811	CLA	C1D-CHD-C4C	-3.46	118.67	126.02
17	B	821	CLA	C1D-CHD-C4C	-3.46	118.67	126.02
17	2	306	CLA	C3B-C4B-NB	3.46	113.68	109.21
17	A	830	CLA	CHD-C1D-ND	-3.46	119.94	124.80
17	3	310	CLA	C1C-C2C-C3C	-3.46	103.35	106.98
17	1	306	CLA	C4A-NA-C1A	-3.45	105.10	106.68
17	A	855	CLA	C1D-CHD-C4C	-3.45	118.68	126.02
17	B	829	CLA	CMC-C2C-C1C	3.45	130.43	125.03
17	B	808	CLA	O2D-CGD-O1D	-3.45	117.13	123.85
25	4	312	5X6	C11-C03-C02	-3.45	113.60	121.56
17	B	834	CLA	CAC-C3C-C4C	3.45	129.28	124.79
17	B	837	CLA	CAC-C3C-C4C	3.45	129.28	124.79
17	A	838	CLA	CHD-C1D-ND	-3.45	119.94	124.80
17	2	305	CLA	C1D-CHD-C4C	-3.45	118.68	126.02
17	5	307	CLA	C1C-C2C-C3C	-3.45	103.35	106.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	824	CLA	C1D-CHD-C4C	-3.45	118.69	126.02
17	4	304	CLA	C1D-CHD-C4C	-3.45	118.69	126.02
25	5	317	5X6	C14-C15-C16	-3.45	113.20	123.20
17	B	808	CLA	CAC-C3C-C4C	3.45	129.28	124.79
17	1	310	CLA	C1D-CHD-C4C	-3.45	118.69	126.02
25	2	317	5X6	C14-C15-C16	-3.45	113.21	123.20
17	2	307	CLA	C1C-C2C-C3C	-3.44	103.36	106.98
17	B	816	CLA	C3C-C4C-NC	3.44	114.84	110.43
20	L	205	BCR	C16-C15-C14	3.44	130.56	123.52
17	B	838	CLA	O2A-CGA-CBA	3.44	122.33	111.83
17	5	303	CLA	C4A-NA-C1A	-3.44	105.11	106.68
17	A	836	CLA	C1-O2A-CGA	3.44	124.98	116.65
17	B	805	CLA	CMB-C2B-C3B	3.44	131.56	124.68
17	A	815	CLA	CHD-C1D-ND	-3.44	119.96	124.80
17	B	813	CLA	CAC-C3C-C4C	3.44	129.27	124.79
25	4	314	5X6	C25-C24-C23	-3.44	113.23	123.20
17	2	309	CLA	CHC-C1C-C2C	-3.44	117.20	126.94
25	2	321	5X6	C27-C28-C29	-3.44	117.81	127.00
17	2	310	CLA	CAC-C3C-C4C	3.44	129.26	124.79
17	A	812	CLA	C1C-C2C-C3C	-3.44	103.37	106.98
17	3	309	CLA	C1D-CHD-C4C	-3.44	118.72	126.02
17	A	830	CLA	CMC-C2C-C1C	3.43	130.40	125.03
17	A	802	CLA	C3B-C4B-NB	3.43	113.65	109.21
17	L	203	CLA	C4A-NA-C1A	-3.43	105.11	106.68
17	B	834	CLA	CMC-C2C-C1C	3.43	130.40	125.03
17	B	841	CLA	C1D-CHD-C4C	-3.43	118.73	126.02
17	2	315	CLA	C1D-CHD-C4C	-3.43	118.73	126.02
17	A	854	CLA	C4C-C3C-C2C	-3.43	101.90	106.89
25	3	316	5X6	C14-C15-C16	-3.43	113.27	123.20
25	3	316	5X6	C40-C22-C23	-3.43	112.85	118.09
17	3	306	CLA	C3C-C4C-NC	3.42	114.82	110.43
17	O	203	CLA	C1D-CHD-C4C	-3.42	118.74	126.02
17	4	311	CLA	C1C-C2C-C3C	-3.42	103.38	106.98
17	3	308	CLA	C3C-C4C-NC	3.42	114.81	110.43
17	B	801	CLA	C3B-C4B-NB	3.42	113.64	109.21
17	5	314	CLA	C1D-CHD-C4C	-3.42	118.75	126.02
17	3	311	CLA	CMC-C2C-C1C	3.42	130.38	125.03
25	3	316	5X6	C15-C16-C17	-3.42	116.98	126.36
17	3	307	CLA	C1D-CHD-C4C	-3.42	118.75	126.02
17	B	816	CLA	C1C-C2C-C3C	-3.42	103.38	106.98
17	5	308	CLA	CAC-C3C-C4C	3.42	129.24	124.79
25	5	316	5X6	C41-C17-C16	-3.42	112.87	118.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	1	305	CLA	C1C-C2C-C3C	-3.42	103.39	106.98
17	B	816	CLA	C3B-C4B-NB	3.42	113.63	109.21
17	B	804	CLA	C4A-NA-C1A	-3.41	105.12	106.68
25	1	312	5X6	C28-C29-C30	-3.41	113.69	121.56
17	5	314	CLA	C3C-C4C-NC	3.41	114.80	110.43
17	5	308	CLA	CAA-C2A-C1A	-3.41	100.79	111.97
17	4	308	CLA	C3C-C4C-NC	3.41	114.80	110.43
25	3	317	5X6	C25-C24-C23	-3.41	113.31	123.20
17	A	827	CLA	C1D-CHD-C4C	-3.41	118.77	126.02
17	3	305	CLA	C1D-CHD-C4C	-3.41	118.77	126.02
25	1	315	5X6	C25-C24-C23	-3.41	113.33	123.20
25	3	318	5X6	C41-C17-C16	-3.41	112.88	118.09
17	B	830	CLA	CHC-C1C-C2C	-3.41	117.29	126.94
17	4	309	CLA	C1D-CHD-C4C	-3.41	118.78	126.02
17	B	827	CLA	C1D-CHD-C4C	-3.41	118.78	126.02
17	5	303	CLA	C3B-C4B-NB	3.40	113.61	109.21
20	A	846	BCR	C34-C9-C10	-3.40	117.30	122.82
25	F	205	5X6	C01-C02-C07	-3.40	108.16	114.42
17	2	306	CLA	C3C-C4C-NC	3.40	114.79	110.43
17	O	205	CLA	C1D-CHD-C4C	-3.40	118.79	126.02
17	3	314	CLA	C1D-CHD-C4C	-3.40	118.79	126.02
25	1	316	5X6	C14-C15-C16	-3.40	113.35	123.20
17	A	835	CLA	C1-O2A-CGA	3.40	124.88	116.65
17	2	314	CLA	C1D-CHD-C4C	-3.40	118.79	126.02
17	A	828	CLA	C2A-C1A-CHA	-3.40	117.97	123.87
17	4	310	CLA	C3C-C4C-NC	3.40	114.78	110.43
17	B	807	CLA	CAC-C3C-C4C	3.40	129.21	124.79
17	A	824	CLA	C4A-NA-C1A	-3.40	105.13	106.68
17	A	809	CLA	O1D-CGD-CBD	-3.40	117.82	124.52
20	I	101	BCR	C37-C22-C21	-3.40	117.31	122.82
17	1	301	CLA	C1D-CHD-C4C	-3.40	118.80	126.02
17	B	840	CLA	CHD-C1D-ND	-3.40	120.02	124.80
17	B	827	CLA	C3B-C4B-NB	3.40	113.60	109.21
20	M	101	BCR	C15-C16-C17	3.40	130.47	123.52
17	A	833	CLA	CMC-C2C-C1C	3.40	130.34	125.03
25	1	314	5X6	C41-C17-C18	-3.40	117.31	122.82
17	3	310	CLA	C3C-C4C-NC	3.39	114.78	110.43
17	5	310	CLA	C1C-C2C-C3C	-3.39	103.41	106.98
17	O	204	CLA	C3C-C4C-NC	3.39	114.78	110.43
17	2	308	CLA	CHC-C1C-C2C	-3.39	117.33	126.94
17	A	816	CLA	CMC-C2C-C1C	3.39	130.34	125.03
17	A	813	CLA	C3B-C4B-NB	3.39	113.59	109.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	2	320	5X6	C11-C03-C02	-3.39	113.75	121.56
17	1	303	CLA	C1C-C2C-C3C	-3.39	103.41	106.98
17	A	818	CLA	CMC-C2C-C1C	3.39	130.33	125.03
17	B	811	CLA	C3B-C4B-NB	3.39	113.59	109.21
17	3	309	CLA	C3C-C4C-NC	3.39	114.77	110.43
17	2	316	CLA	C1C-C2C-C3C	-3.39	103.42	106.98
17	4	304	CLA	CMC-C2C-C1C	3.39	130.33	125.03
17	A	834	CLA	C1D-CHD-C4C	-3.39	118.82	126.02
25	5	316	5X6	C39-C26-C25	-3.39	117.33	122.82
17	A	832	CLA	CMC-C2C-C1C	3.38	130.32	125.03
25	2	319	5X6	C40-C22-C23	-3.38	112.92	118.09
17	O	204	CLA	C1D-CHD-C4C	-3.38	118.83	126.02
17	A	856	CLA	C3C-C4C-NC	3.38	114.76	110.43
17	3	309	CLA	CAC-C3C-C4C	3.38	129.19	124.79
17	1	302	CLA	C1D-CHD-C4C	-3.38	118.83	126.02
17	3	315	CLA	C3C-C4C-NC	3.38	114.76	110.43
17	2	304	CLA	CMC-C2C-C1C	3.38	130.31	125.03
17	1	307	CLA	CAC-C3C-C4C	3.38	129.19	124.79
17	1	308	CLA	C1D-CHD-C4C	-3.38	118.84	126.02
17	A	827	CLA	CAC-C3C-C4C	3.38	129.19	124.79
17	A	807	CLA	CMC-C2C-C1C	3.38	130.31	125.03
17	B	812	CLA	C3D-C2D-C1D	-3.38	101.22	105.83
17	A	829	CLA	CED-O2D-CGD	3.37	123.56	115.92
20	B	843	BCR	C15-C16-C17	3.37	130.42	123.52
17	B	805	CLA	CHD-C1D-ND	-3.37	120.06	124.80
17	5	307	CLA	C3C-C4C-NC	3.37	114.75	110.43
17	A	824	CLA	C4C-C3C-C2C	-3.37	101.99	106.89
17	3	309	CLA	C1C-C2C-C3C	-3.37	103.44	106.98
17	B	829	CLA	CAA-C2A-C3A	-3.37	103.90	113.00
17	5	302	CLA	C3C-C4C-NC	3.37	114.74	110.43
17	5	304	CLA	CMC-C2C-C1C	3.37	130.29	125.03
17	2	312	CLA	C1C-C2C-C3C	-3.36	103.44	106.98
17	B	839	CLA	CMC-C2C-C1C	3.36	130.29	125.03
20	A	846	BCR	C37-C22-C21	-3.36	117.37	122.82
17	4	305	CLA	C1C-C2C-C3C	-3.36	103.44	106.98
17	B	840	CLA	CMC-C2C-C1C	3.36	130.29	125.03
17	3	315	CLA	CMC-C2C-C1C	3.36	130.29	125.03
17	5	303	CLA	C1D-CHD-C4C	-3.36	118.88	126.02
17	A	837	CLA	C1C-C2C-C3C	-3.36	103.45	106.98
17	1	308	CLA	C1C-C2C-C3C	-3.36	103.45	106.98
17	5	314	CLA	CMC-C2C-C1C	3.36	130.28	125.03
17	2	307	CLA	C2A-C1A-CHA	-3.36	118.04	123.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	834	CLA	C1C-C2C-C3C	-3.36	103.45	106.98
25	2	319	5X6	C20-C19-C18	-3.36	116.65	123.52
17	4	303	CLA	C1D-CHD-C4C	-3.36	118.88	126.02
17	1	308	CLA	C3C-C4C-NC	3.36	114.73	110.43
20	O	202	BCR	C8-C9-C10	3.36	124.29	119.01
17	A	831	CLA	C1D-CHD-C4C	-3.36	118.88	126.02
25	5	301	5X6	C14-C15-C16	-3.36	113.48	123.20
17	L	204	CLA	C1C-C2C-C3C	-3.36	103.45	106.98
17	B	828	CLA	C1D-CHD-C4C	-3.35	118.89	126.02
17	2	316	CLA	C1D-CHD-C4C	-3.35	118.89	126.02
17	A	853	CLA	C3B-C4B-NB	3.35	113.54	109.21
17	B	809	CLA	C1D-CHD-C4C	-3.35	118.90	126.02
25	1	315	5X6	C14-C15-C16	-3.35	113.49	123.20
17	2	312	CLA	C3C-C4C-NC	3.35	114.72	110.43
17	B	809	CLA	C3B-C4B-NB	3.35	113.54	109.21
17	B	805	CLA	CBA-CAA-C2A	3.35	123.76	113.79
17	1	307	CLA	C3C-C4C-NC	3.35	114.72	110.43
17	B	810	CLA	C3B-C4B-NB	3.35	113.54	109.21
17	B	826	CLA	O1D-CGD-CBD	-3.35	117.92	124.52
17	2	309	CLA	C3B-C4B-NB	3.35	113.54	109.21
17	1	309	CLA	C3C-C4C-NC	3.35	114.72	110.43
17	B	834	CLA	C3C-C4C-NC	3.35	114.72	110.43
17	B	825	CLA	C3B-C4B-NB	3.35	113.54	109.21
17	A	816	CLA	C1C-C2C-C3C	-3.35	103.46	106.98
17	B	840	CLA	C4C-C3C-C2C	-3.35	102.02	106.89
17	A	859	CLA	C1C-C2C-C3C	-3.34	103.46	106.98
17	A	859	CLA	C1D-CHD-C4C	-3.34	118.91	126.02
17	A	820	CLA	C1D-CHD-C4C	-3.34	118.91	126.02
17	4	311	CLA	C1D-CHD-C4C	-3.34	118.92	126.02
17	B	830	CLA	CBA-CAA-C2A	3.34	123.74	113.79
17	B	815	CLA	CHD-C1D-ND	-3.34	120.10	124.80
17	3	305	CLA	C1C-C2C-C3C	-3.34	103.47	106.98
17	B	831	CLA	CHC-C1C-C2C	-3.34	117.48	126.94
17	A	829	CLA	C1D-CHD-C4C	-3.34	118.92	126.02
17	A	819	CLA	C3C-C4C-NC	3.34	114.71	110.43
17	3	313	CLA	C3C-C4C-NC	3.34	114.71	110.43
17	B	824	CLA	C3C-C4C-NC	3.34	114.70	110.43
17	A	813	CLA	C4C-C3C-C2C	-3.34	102.04	106.89
17	A	807	CLA	O2D-CGD-CBD	3.33	117.06	111.23
17	2	306	CLA	CMC-C2C-C1C	3.33	130.24	125.03
17	K	102	CLA	C4C-C3C-C2C	-3.33	102.04	106.89
17	A	831	CLA	CAC-C3C-C4C	3.33	129.13	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	839	CLA	C1C-C2C-C3C	-3.33	103.47	106.98
17	B	835	CLA	C3C-C4C-NC	3.33	114.70	110.43
17	B	805	CLA	C4A-NA-C1A	-3.33	105.16	106.68
17	F	203	CLA	C1D-CHD-C4C	-3.33	118.94	126.02
20	L	205	BCR	C37-C22-C21	-3.33	117.42	122.82
17	B	823	CLA	C3B-C4B-NB	3.33	113.51	109.21
17	1	306	CLA	CAC-C3C-C4C	3.33	129.12	124.79
17	B	814	CLA	C1D-CHD-C4C	-3.33	118.94	126.02
17	A	838	CLA	CAC-C3C-C4C	3.33	129.12	124.79
17	B	813	CLA	OBD-CAD-C3D	-3.32	120.65	128.42
17	5	313	CLA	CHC-C1C-C2C	-3.32	117.53	126.94
17	A	812	CLA	C4C-C3C-C2C	-3.32	102.06	106.89
17	L	204	CLA	C1D-CHD-C4C	-3.32	118.96	126.02
25	2	319	5X6	C42-C13-C12	-3.32	113.02	118.09
17	B	836	CLA	CED-O2D-CGD	3.32	123.45	115.92
25	4	314	5X6	C12-C13-C14	-3.32	113.79	119.01
17	B	806	CLA	CHB-C4A-NA	3.32	129.19	124.40
25	2	317	5X6	C15-C16-C17	-3.32	117.26	126.36
17	1	301	CLA	C1C-C2C-C3C	-3.32	103.49	106.98
17	A	806	CLA	C1-C2-C3	-3.32	120.76	126.20
17	K	102	CLA	CMC-C2C-C1C	3.31	130.21	125.03
17	B	824	CLA	C1C-C2C-C3C	-3.31	103.50	106.98
17	B	804	CLA	C1D-CHD-C4C	-3.31	118.98	126.02
25	3	318	5X6	C23-C22-C21	-3.31	113.80	119.01
17	2	316	CLA	C3C-C4C-NC	3.31	114.67	110.43
17	B	804	CLA	CHD-C1D-ND	-3.31	120.14	124.80
17	L	203	CLA	C3B-C4B-NB	3.31	113.49	109.21
20	M	101	BCR	C37-C22-C21	-3.31	117.45	122.82
17	2	312	CLA	C1D-CHD-C4C	-3.31	118.99	126.02
17	1	304	CLA	C2C-C1C-NC	3.31	113.46	109.98
17	3	314	CLA	C3C-C4C-NC	3.31	114.67	110.43
17	B	824	CLA	O2A-CGA-CBA	3.31	121.92	111.83
17	A	808	CLA	C3C-C4C-NC	3.31	114.67	110.43
17	A	807	CLA	CHD-C1D-ND	-3.31	120.15	124.80
17	A	855	CLA	C4C-C3C-C2C	-3.31	102.08	106.89
25	J	105	5X6	C15-C16-C17	-3.30	117.30	126.36
17	A	827	CLA	O2D-CGD-CBD	3.30	117.01	111.23
17	B	809	CLA	C4A-NA-C1A	-3.30	105.17	106.68
17	2	315	CLA	C3C-C4C-NC	3.30	114.66	110.43
25	1	315	5X6	C12-C13-C14	-3.30	113.82	119.01
20	A	844	BCR	C16-C15-C14	3.30	130.27	123.52
17	5	305	CLA	C1D-CHD-C4C	-3.30	119.00	126.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
20	O	202	BCR	C37-C22-C23	3.30	123.13	118.09
17	2	313	CLA	C1D-CHD-C4C	-3.30	119.01	126.02
17	1	305	CLA	C3C-C4C-NC	3.30	114.66	110.43
17	2	308	CLA	C3B-C4B-NB	3.30	113.47	109.21
17	4	305	CLA	CMC-C2C-C1C	3.30	130.19	125.03
17	B	823	CLA	CAC-C3C-C4C	3.30	129.08	124.79
25	2	317	5X6	C41-C17-C16	-3.30	113.05	118.09
17	A	808	CLA	C1D-CHD-C4C	-3.30	119.02	126.02
17	5	304	CLA	C4-C3-C2	-3.29	115.17	123.63
17	L	204	CLA	CMC-C2C-C1C	3.29	130.18	125.03
20	B	847	BCR	C16-C15-C14	3.29	130.25	123.52
17	A	807	CLA	O2A-CGA-O1A	-3.29	115.39	123.63
17	3	311	CLA	C2C-C1C-NC	3.29	113.44	109.98
17	B	839	CLA	C4C-C3C-C2C	-3.29	102.10	106.89
17	B	839	CLA	CHD-C1D-ND	-3.29	120.17	124.80
17	3	310	CLA	CAC-C3C-C4C	3.29	129.07	124.79
20	A	845	BCR	C2-C3-C4	3.29	118.50	111.28
17	A	812	CLA	C1D-CHD-C4C	-3.29	119.04	126.02
17	A	814	CLA	C4A-NA-C1A	-3.28	105.18	106.68
17	A	829	CLA	CMC-C2C-C1C	3.28	130.16	125.03
17	3	305	CLA	CAC-C3C-C4C	3.28	129.06	124.79
17	A	817	CLA	C3C-C4C-NC	3.28	114.64	110.43
17	B	827	CLA	CHD-C1D-ND	-3.28	120.18	124.80
17	5	307	CLA	CMC-C2C-C1C	3.28	130.16	125.03
17	5	313	CLA	C3C-C4C-NC	3.28	114.63	110.43
17	1	302	CLA	CMC-C2C-C1C	3.28	130.16	125.03
17	B	837	CLA	C1-O2A-CGA	3.27	124.58	116.65
25	2	319	5X6	C12-C11-C03	-3.27	118.25	127.00
17	3	310	CLA	CMC-C2C-C1C	3.27	130.15	125.03
17	B	819	CLA	C3C-C4C-NC	3.27	114.62	110.43
17	4	304	CLA	C1C-C2C-C3C	-3.27	103.54	106.98
17	B	824	CLA	O2D-CGD-CBD	3.27	116.95	111.23
17	1	311	CLA	C1C-C2C-C3C	-3.27	103.54	106.98
17	4	303	CLA	C4C-C3C-C2C	-3.27	102.13	106.89
20	A	843	BCR	C37-C22-C21	-3.27	117.52	122.82
17	L	202	CLA	CHC-C1C-C2C	-3.27	117.68	126.94
25	2	320	5X6	C41-C17-C16	-3.27	113.10	118.09
25	5	315	5X6	C28-C29-C30	-3.26	114.03	121.56
17	4	309	CLA	C3C-C4C-NC	3.26	114.61	110.43
20	L	206	BCR	C37-C22-C21	-3.26	117.53	122.82
17	1	311	CLA	C3C-C4C-NC	3.26	114.61	110.43
17	B	838	CLA	C4C-C3C-C2C	-3.26	102.14	106.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
20	B	848	BCR	C37-C22-C21	-3.26	117.53	122.82
25	2	319	5X6	C41-C17-C18	-3.26	117.53	122.82
16	A	801	CL0	CMA-C3A-C2A	-3.26	101.37	113.98
25	4	312	5X6	C40-C22-C23	-3.26	113.11	118.09
17	B	804	CLA	CAA-C2A-C3A	-3.26	104.19	113.00
17	3	307	CLA	C1C-C2C-C3C	-3.26	103.55	106.98
17	1	301	CLA	C4C-C3C-C2C	-3.26	102.15	106.89
17	3	309	CLA	CED-O2D-CGD	3.25	123.30	115.92
17	A	838	CLA	CMC-C2C-C1C	3.25	130.12	125.03
20	B	844	BCR	C34-C9-C10	-3.25	117.55	122.82
17	3	309	CLA	CMC-C2C-C1C	3.25	130.12	125.03
17	L	203	CLA	CHD-C1D-ND	-3.25	120.23	124.80
17	A	852	CLA	CHD-C1D-ND	-3.25	120.23	124.80
25	5	318	5X6	C40-C22-C23	-3.25	113.12	118.09
17	A	809	CLA	CHC-C1C-C2C	-3.25	117.73	126.94
25	3	316	5X6	C28-C29-C30	-3.25	114.07	121.56
17	2	310	CLA	C3C-C4C-NC	3.25	114.59	110.43
25	1	312	5X6	C14-C15-C16	-3.25	113.79	123.20
17	4	307	CLA	C1C-C2C-C3C	-3.25	103.56	106.98
17	2	313	CLA	C4C-C3C-C2C	-3.25	102.16	106.89
17	A	856	CLA	C1D-CHD-C4C	-3.25	119.12	126.02
17	4	307	CLA	C3C-C4C-NC	3.25	114.59	110.43
17	3	312	CLA	C1D-CHD-C4C	-3.25	119.12	126.02
17	1	309	CLA	CAC-C3C-C4C	3.25	129.01	124.79
17	2	310	CLA	C1C-C2C-C3C	-3.25	103.57	106.98
17	K	103	CLA	O2D-CGD-O1D	-3.25	117.53	123.85
17	4	304	CLA	C3C-C4C-NC	3.24	114.59	110.43
17	A	854	CLA	CMB-C2B-C3B	3.24	131.16	124.68
25	1	315	5X6	C42-C13-C12	-3.24	113.13	118.09
17	A	820	CLA	O2A-CGA-CBA	3.24	121.72	111.83
17	A	824	CLA	C3B-C4B-NB	3.24	113.40	109.21
17	A	823	CLA	C4C-C3C-C2C	-3.24	102.17	106.89
17	4	306	CLA	C1D-CHD-C4C	-3.24	119.13	126.02
17	4	305	CLA	C3C-C4C-NC	3.24	114.58	110.43
17	3	315	CLA	CAC-C3C-C4C	3.24	129.01	124.79
25	2	318	5X6	C42-C13-C12	-3.24	113.14	118.09
17	A	819	CLA	C4C-C3C-C2C	-3.24	102.17	106.89
17	B	815	CLA	C1D-CHD-C4C	-3.24	119.14	126.02
17	A	806	CLA	CAC-C3C-C4C	3.24	129.00	124.79
17	A	821	CLA	C1C-C2C-C3C	-3.24	103.58	106.98
17	B	822	CLA	C3C-C4C-NC	3.24	114.58	110.43
17	A	837	CLA	C4C-C3C-C2C	-3.24	102.18	106.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	830	CLA	CHC-C1C-C2C	-3.24	117.78	126.94
17	K	103	CLA	CHD-C1D-ND	-3.23	120.25	124.80
17	5	308	CLA	C1C-C2C-C3C	-3.23	103.58	106.98
17	B	802	CLA	C4C-C3C-C2C	-3.23	102.19	106.89
17	A	803	CLA	O2D-CGD-O1D	-3.23	117.56	123.85
17	B	814	CLA	CHD-C1D-ND	-3.23	120.26	124.80
17	B	831	CLA	C1-O2A-CGA	3.23	124.47	116.65
17	B	822	CLA	CAC-C3C-C4C	3.23	128.99	124.79
20	A	843	BCR	C34-C9-C10	-3.23	117.59	122.82
17	B	802	CLA	C1-O2A-CGA	3.23	124.46	116.65
17	4	306	CLA	C3C-C4C-NC	3.23	114.56	110.43
20	L	201	BCR	C37-C22-C21	-3.23	117.59	122.82
20	L	206	BCR	C34-C9-C10	-3.23	117.59	122.82
17	A	827	CLA	C3B-C4B-NB	3.22	113.38	109.21
17	5	307	CLA	CHC-C1C-C2C	-3.22	117.81	126.94
20	L	206	BCR	C15-C16-C17	3.22	130.12	123.52
17	B	820	CLA	C3C-C4C-NC	3.22	114.56	110.43
20	B	846	BCR	C10-C11-C12	3.22	132.53	123.20
17	B	804	CLA	CHC-C1C-C2C	-3.22	117.82	126.94
17	B	817	CLA	C1C-C2C-C3C	-3.22	103.59	106.98
17	5	313	CLA	C1C-C2C-C3C	-3.22	103.59	106.98
17	B	825	CLA	C4C-C3C-C2C	-3.22	102.20	106.89
17	B	811	CLA	CMC-C2C-C1C	3.22	130.06	125.03
17	A	805	CLA	C2A-C1A-CHA	-3.22	118.28	123.87
25	5	317	5X6	C28-C29-C30	-3.22	114.14	121.56
17	B	831	CLA	C1D-CHD-C4C	-3.22	119.18	126.02
25	5	317	5X6	C41-C17-C16	-3.22	113.18	118.09
25	5	301	5X6	C25-C24-C23	-3.22	113.88	123.20
17	5	313	CLA	CMC-C2C-C1C	3.21	130.06	125.03
17	B	836	CLA	C4C-C3C-C2C	-3.21	102.21	106.89
25	1	312	5X6	C39-C26-C27	-3.21	113.18	118.09
25	5	318	5X6	C41-C17-C18	-3.21	117.61	122.82
17	A	825	CLA	CMC-C2C-C1C	3.21	130.05	125.03
17	A	837	CLA	C1D-CHD-C4C	-3.21	119.19	126.02
17	B	828	CLA	OBD-CAD-C3D	-3.21	120.91	128.42
17	B	830	CLA	C1D-CHD-C4C	-3.21	119.20	126.02
17	5	309	CLA	C3C-C4C-NC	3.21	114.54	110.43
20	O	202	BCR	C37-C22-C21	-3.21	117.62	122.82
17	A	828	CLA	CHC-C1C-C2C	-3.21	117.86	126.94
17	J	103	CLA	CHD-C1D-ND	-3.21	120.29	124.80
17	A	827	CLA	C4C-C3C-C2C	-3.21	102.22	106.89
17	B	857	CLA	O2A-CGA-O1A	-3.21	115.61	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	814	CLA	CHC-C1C-C2C	-3.21	117.86	126.94
17	1	302	CLA	C3C-C4C-NC	3.21	114.54	110.43
25	4	314	5X6	C42-C13-C12	-3.20	113.19	118.09
17	5	310	CLA	C1D-CHD-C4C	-3.20	119.21	126.02
17	2	312	CLA	CHC-C1C-C2C	-3.20	117.87	126.94
25	3	317	5X6	C40-C22-C23	-3.20	113.19	118.09
17	A	856	CLA	CAC-C3C-C4C	3.20	128.96	124.79
17	1	311	CLA	C1D-CHD-C4C	-3.20	119.21	126.02
25	1	312	5X6	C15-C16-C17	-3.20	117.58	126.36
17	B	818	CLA	C4C-C3C-C2C	-3.20	102.23	106.89
17	2	311	CLA	C3C-C4C-NC	3.20	114.53	110.43
17	B	819	CLA	C4A-NA-C1A	-3.20	105.22	106.68
22	A	848	LMT	C1B-O5B-C5B	3.20	119.97	113.72
17	B	802	CLA	C7-C6-C5	-3.20	104.74	113.26
17	3	311	CLA	C3C-C4C-NC	3.20	114.53	110.43
17	5	304	CLA	C3C-C4C-NC	3.20	114.53	110.43
17	5	302	CLA	C1D-CHD-C4C	-3.20	119.22	126.02
17	B	830	CLA	C3C-C4C-NC	3.20	114.53	110.43
17	B	828	CLA	CHD-C1D-ND	-3.20	120.30	124.80
17	B	802	CLA	CAC-C3C-C4C	3.19	128.95	124.79
25	4	313	5X6	C15-C16-C17	-3.19	117.61	126.36
17	B	815	CLA	C4C-C3C-C2C	-3.19	102.24	106.89
17	B	857	CLA	C1D-CHD-C4C	-3.19	119.23	126.02
17	B	857	CLA	CMC-C2C-C1C	3.19	130.02	125.03
18	B	842	PQN	C16-C15-C13	-3.19	105.70	113.47
17	2	308	CLA	C3C-C4C-NC	3.19	114.52	110.43
17	A	834	CLA	C1-O2A-CGA	3.19	124.36	116.65
17	B	837	CLA	CHD-C1D-ND	-3.19	120.32	124.80
17	5	305	CLA	C2C-C1C-NC	3.18	113.33	109.98
17	1	310	CLA	C4C-C3C-C2C	-3.18	102.26	106.89
17	5	309	CLA	O1D-CGD-CBD	-3.18	118.25	124.52
17	A	832	CLA	CHC-C1C-C2C	-3.18	117.94	126.94
17	2	307	CLA	C1D-CHD-C4C	-3.18	119.27	126.02
17	A	828	CLA	CHD-C1D-ND	-3.17	120.33	124.80
17	B	804	CLA	CAC-C3C-C4C	3.17	128.92	124.79
17	B	801	CLA	CAC-C3C-C4C	3.17	128.92	124.79
17	B	837	CLA	O2D-CGD-O1D	-3.17	117.67	123.85
25	2	317	5X6	C42-C13-C12	-3.17	113.24	118.09
17	O	203	CLA	C3C-C4C-NC	3.17	114.49	110.43
17	2	310	CLA	CMC-C2C-C1C	3.17	129.99	125.03
17	A	836	CLA	C1D-CHD-C4C	-3.17	119.28	126.02
20	B	803	BCR	C37-C22-C23	3.17	122.93	118.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	5	306	CLA	C3C-C4C-NC	3.17	114.49	110.43
17	B	824	CLA	CED-O2D-CGD	3.17	123.11	115.92
17	F	204	CLA	C3B-C4B-NB	3.17	113.31	109.21
17	A	832	CLA	C1-O2A-CGA	3.17	124.32	116.65
16	A	801	CL0	C1D-CHD-C4C	-3.17	119.29	126.02
17	A	819	CLA	C1C-C2C-C3C	-3.17	103.65	106.98
25	3	318	5X6	C42-C13-C12	-3.16	113.25	118.09
17	3	306	CLA	CAC-C3C-C4C	3.16	128.91	124.79
17	B	857	CLA	O2A-CGA-CBA	3.16	121.48	111.83
17	5	309	CLA	C3B-C4B-NB	3.16	113.30	109.21
17	4	303	CLA	CHC-C1C-C2C	-3.16	117.99	126.94
17	A	838	CLA	C5-C3-C2	3.16	128.26	121.17
20	L	205	BCR	C34-C9-C8	3.16	122.91	118.09
17	A	833	CLA	O2D-CGD-CBD	3.16	116.75	111.23
17	A	824	CLA	C1D-CHD-C4C	-3.16	119.31	126.02
25	2	320	5X6	C27-C26-C25	-3.16	114.04	119.01
17	2	305	CLA	C2C-C1C-NC	3.16	113.30	109.98
17	A	839	CLA	C2A-C1A-CHA	-3.16	118.39	123.87
17	A	814	CLA	C1D-CHD-C4C	-3.16	119.31	126.02
17	B	812	CLA	CHD-C1D-ND	-3.16	120.36	124.80
17	5	302	CLA	C4C-C3C-C2C	-3.15	102.30	106.89
25	2	318	5X6	C23-C22-C21	-3.15	114.05	119.01
17	B	817	CLA	C4C-C3C-C2C	-3.15	102.30	106.89
25	3	318	5X6	C27-C26-C25	-3.15	114.05	119.01
17	A	814	CLA	C3B-C4B-NB	3.15	113.28	109.21
17	2	311	CLA	CHD-C4C-NC	3.15	129.12	124.23
17	B	810	CLA	CMC-C2C-C1C	3.15	129.96	125.03
17	1	306	CLA	O2D-CGD-CBD	3.15	116.74	111.23
17	3	312	CLA	C3C-C4C-NC	3.15	114.47	110.43
17	B	820	CLA	O2D-CGD-CBD	3.15	116.74	111.23
17	5	306	CLA	C1D-CHD-C4C	-3.15	119.33	126.02
17	2	314	CLA	C4C-C3C-C2C	-3.15	102.31	106.89
17	4	311	CLA	C3C-C4C-NC	3.15	114.46	110.43
17	A	809	CLA	C1D-CHD-C4C	-3.15	119.33	126.02
25	4	313	5X6	C39-C26-C25	-3.15	117.72	122.82
17	F	203	CLA	O2D-CGD-CBD	3.15	116.73	111.23
17	B	819	CLA	C1D-CHD-C4C	-3.15	119.33	126.02
17	B	828	CLA	C4C-C3C-C2C	-3.15	102.31	106.89
17	B	824	CLA	CHD-C4C-NC	3.15	129.11	124.23
17	2	305	CLA	C3C-C4C-NC	3.15	114.46	110.43
17	B	806	CLA	CHC-C1C-C2C	-3.15	118.03	126.94
17	2	311	CLA	C2C-C1C-NC	3.14	113.28	109.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	2	312	CLA	O2D-CGD-O1D	-3.14	117.73	123.85
17	5	313	CLA	C3B-C4B-NB	3.14	113.27	109.21
17	1	302	CLA	CHC-C1C-C2C	-3.14	118.04	126.94
17	B	820	CLA	CAC-C3C-C4C	3.14	128.88	124.79
17	1	311	CLA	CHC-C1C-C2C	-3.14	118.05	126.94
17	5	305	CLA	CBA-CAA-C2A	3.14	123.13	113.79
17	A	854	CLA	CED-O2D-CGD	3.14	123.03	115.92
17	A	833	CLA	C1-O2A-CGA	3.14	124.25	116.65
17	A	811	CLA	CHD-C1D-ND	-3.14	120.39	124.80
17	A	829	CLA	CAC-C3C-C4C	3.14	128.87	124.79
17	A	839	CLA	C4C-C3C-C2C	-3.14	102.33	106.89
17	B	829	CLA	C3B-C4B-NB	3.14	113.27	109.21
17	A	823	CLA	CHC-C1C-C2C	-3.14	118.06	126.94
17	B	812	CLA	C1C-C2C-C3C	-3.14	103.68	106.98
20	B	843	BCR	C16-C15-C14	3.14	129.93	123.52
17	B	816	CLA	CAC-C3C-C4C	3.14	128.87	124.79
25	1	315	5X6	C15-C16-C17	-3.13	117.77	126.36
17	A	838	CLA	C4C-C3C-C2C	-3.13	102.33	106.89
17	4	303	CLA	C1C-C2C-C3C	-3.13	103.69	106.98
17	1	304	CLA	C4C-C3C-C2C	-3.13	102.33	106.89
17	A	810	CLA	OBD-CAD-C3D	-3.13	121.10	128.42
17	A	806	CLA	O1D-CGD-CBD	-3.13	118.34	124.52
17	B	809	CLA	CHC-C1C-C2C	-3.13	118.08	126.94
17	2	308	CLA	C1D-CHD-C4C	-3.13	119.37	126.02
17	5	310	CLA	C3C-C4C-NC	3.13	114.44	110.43
17	A	836	CLA	CMC-C2C-C1C	3.13	129.92	125.03
17	A	830	CLA	C1D-CHD-C4C	-3.13	119.37	126.02
17	A	810	CLA	C1D-CHD-C4C	-3.13	119.37	126.02
17	2	311	CLA	CED-O2D-CGD	3.13	123.01	115.92
25	3	317	5X6	C41-C17-C16	-3.13	113.31	118.09
17	A	828	CLA	C1D-CHD-C4C	-3.13	119.38	126.02
17	3	307	CLA	C3C-C4C-NC	3.12	114.43	110.43
17	B	832	CLA	CHC-C1C-C2C	-3.12	118.10	126.94
25	5	301	5X6	C41-C17-C16	-3.12	113.32	118.09
17	5	302	CLA	C1C-C2C-C3C	-3.12	103.70	106.98
17	A	817	CLA	C3B-C4B-NB	3.12	113.24	109.21
17	3	305	CLA	C3C-C4C-NC	3.12	114.43	110.43
17	A	813	CLA	CMB-C2B-C3B	3.12	130.91	124.68
17	B	814	CLA	C4C-C3C-C2C	-3.12	102.35	106.89
25	2	320	5X6	C25-C24-C23	-3.12	114.17	123.20
17	B	824	CLA	C2C-C1C-NC	3.12	113.25	109.98
17	B	857	CLA	CAC-C3C-C4C	3.12	128.84	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	4	308	CLA	CAC-C3C-C4C	3.12	128.84	124.79
17	K	102	CLA	C1C-C2C-C3C	-3.11	103.70	106.98
17	B	805	CLA	C4-C3-C5	3.11	120.63	115.23
17	2	313	CLA	C1C-C2C-C3C	-3.11	103.71	106.98
17	B	813	CLA	C4C-C3C-C2C	-3.11	102.36	106.89
17	3	306	CLA	CHC-C1C-C2C	-3.11	118.13	126.94
17	B	814	CLA	C3B-C4B-NB	3.11	113.23	109.21
17	B	808	CLA	C1D-CHD-C4C	-3.11	119.41	126.02
17	A	817	CLA	C1-C2-C3	-3.11	121.10	126.20
20	B	845	BCR	C15-C16-C17	3.11	129.88	123.52
17	B	809	CLA	O1D-CGD-CBD	-3.11	118.39	124.52
17	A	831	CLA	O2D-CGD-O1D	-3.11	117.80	123.85
17	A	852	CLA	C3B-C4B-NB	3.11	113.23	109.21
17	2	304	CLA	C3C-C4C-NC	3.11	114.41	110.43
17	2	305	CLA	C2A-C1A-CHA	-3.11	118.47	123.87
17	2	315	CLA	CAC-C3C-C4C	3.11	128.83	124.79
17	5	305	CLA	O1D-CGD-CBD	-3.11	118.39	124.52
17	A	835	CLA	C4C-C3C-C2C	-3.11	102.37	106.89
17	5	305	CLA	C1C-C2C-C3C	-3.11	103.71	106.98
20	B	848	BCR	C34-C9-C10	-3.10	117.79	122.82
17	F	204	CLA	CHC-C1C-C2C	-3.10	118.15	126.94
17	B	811	CLA	CHD-C1D-ND	-3.10	120.44	124.80
17	A	834	CLA	C3C-C4C-NC	3.10	114.40	110.43
17	A	813	CLA	C1C-C2C-C3C	-3.10	103.72	106.98
17	B	810	CLA	C4C-C3C-C2C	-3.10	102.38	106.89
25	4	312	5X6	C41-C17-C16	-3.10	113.35	118.09
17	3	311	CLA	C1C-C2C-C3C	-3.10	103.72	106.98
20	B	846	BCR	C34-C9-C10	-3.10	117.79	122.82
17	A	820	CLA	C3C-C4C-NC	3.10	114.40	110.43
17	B	807	CLA	CED-O2D-CGD	3.10	122.94	115.92
17	A	836	CLA	O2D-CGD-O1D	-3.10	117.82	123.85
17	A	838	CLA	C1-O2A-CGA	3.10	124.15	116.65
17	A	852	CLA	CHB-C4A-NA	3.10	128.87	124.40
17	A	836	CLA	C4C-C3C-C2C	-3.10	102.39	106.89
17	A	817	CLA	CHC-C1C-C2C	-3.10	118.17	126.94
17	1	311	CLA	C4C-C3C-C2C	-3.10	102.39	106.89
17	K	102	CLA	O2A-CGA-CBA	3.09	121.27	111.83
17	1	305	CLA	CHC-C1C-C2C	-3.09	118.18	126.94
17	B	807	CLA	CHB-C4A-NA	3.09	128.86	124.40
25	5	318	5X6	C14-C15-C16	-3.09	114.24	123.20
17	A	802	CLA	C1D-CHD-C4C	-3.09	119.45	126.02
17	K	103	CLA	CHC-C1C-C2C	-3.09	118.18	126.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	812	CLA	CHC-C1C-C2C	-3.09	118.19	126.94
17	B	840	CLA	C3B-C4B-NB	3.09	113.20	109.21
17	A	817	CLA	CMB-C2B-C3B	3.09	130.86	124.68
17	A	834	CLA	CHC-C1C-C2C	-3.09	118.19	126.94
17	B	804	CLA	C4C-C3C-C2C	-3.09	102.39	106.89
17	B	839	CLA	CHC-C1C-C2C	-3.09	118.19	126.94
17	A	834	CLA	CED-O2D-CGD	3.09	122.92	115.92
17	L	202	CLA	C3B-C4B-NB	3.09	113.20	109.21
17	B	832	CLA	C1D-CHD-C4C	-3.09	119.46	126.02
17	2	311	CLA	C1C-C2C-C3C	-3.08	103.74	106.98
17	1	307	CLA	CHD-C4C-NC	3.08	129.01	124.23
17	A	803	CLA	CAA-C2A-C1A	-3.08	101.87	111.97
17	1	305	CLA	C4C-C3C-C2C	-3.08	102.41	106.89
17	A	825	CLA	CHD-C1D-ND	-3.08	120.47	124.80
17	B	819	CLA	O2A-CGA-CBA	3.08	121.23	111.83
17	A	852	CLA	C4C-C3C-C2C	-3.08	102.41	106.89
17	1	308	CLA	C4C-C3C-C2C	-3.08	102.41	106.89
17	5	312	CLA	C4C-C3C-C2C	-3.08	102.41	106.89
17	A	816	CLA	CHD-C1D-ND	-3.08	120.47	124.80
17	A	809	CLA	C3B-C4B-NB	3.08	113.19	109.21
17	5	308	CLA	CMC-C2C-C1C	3.08	129.84	125.03
17	1	301	CLA	CHC-C1C-C2C	-3.08	118.23	126.94
17	A	822	CLA	C1D-CHD-C4C	-3.08	119.48	126.02
17	1	308	CLA	CHC-C1C-C2C	-3.07	118.23	126.94
17	A	831	CLA	C4C-C3C-C2C	-3.07	102.42	106.89
17	2	304	CLA	CHC-C1C-C2C	-3.07	118.24	126.94
25	5	301	5X6	C23-C22-C21	-3.07	114.18	119.01
17	A	805	CLA	O2A-CGA-CBA	3.07	121.20	111.83
17	B	836	CLA	C3B-C4B-NB	3.07	113.18	109.21
17	B	819	CLA	CHC-C1C-C2C	-3.07	118.24	126.94
17	A	818	CLA	CED-O2D-CGD	3.07	122.88	115.92
17	5	304	CLA	CHC-C1C-C2C	-3.07	118.25	126.94
17	B	801	CLA	O2A-CGA-CBA	3.07	121.19	111.83
17	B	837	CLA	C4C-C3C-C2C	-3.07	102.42	106.89
17	5	306	CLA	CHC-C1C-C2C	-3.07	118.25	126.94
17	B	812	CLA	CMB-C2B-C3B	3.07	130.81	124.68
17	3	308	CLA	C3B-C4B-NB	3.07	113.18	109.21
17	4	306	CLA	C1C-C2C-C3C	-3.07	103.75	106.98
17	A	825	CLA	O2D-CGD-O1D	-3.07	117.88	123.85
17	A	839	CLA	CHC-C1C-C2C	-3.07	118.25	126.94
17	4	310	CLA	CMC-C2C-C1C	3.07	129.83	125.03
17	5	302	CLA	CMC-C2C-C1C	3.07	129.82	125.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	K	103	CLA	C3B-C4B-NB	3.07	113.17	109.21
17	J	103	CLA	C4A-NA-C1A	-3.06	105.28	106.68
17	A	832	CLA	C4C-C3C-C2C	-3.06	102.43	106.89
17	5	302	CLA	CHC-C1C-C2C	-3.06	118.27	126.94
20	B	847	BCR	C34-C9-C10	-3.06	117.85	122.82
17	A	838	CLA	CHC-C1C-C2C	-3.06	118.27	126.94
25	1	313	5X6	C04-C03-C02	-3.06	118.45	122.64
17	B	839	CLA	CED-O2D-CGD	3.06	122.86	115.92
17	A	856	CLA	CHC-C1C-C2C	-3.06	118.27	126.94
17	B	801	CLA	C1D-CHD-C4C	-3.06	119.51	126.02
17	5	308	CLA	CBA-CAA-C2A	3.06	122.90	113.79
17	5	314	CLA	CAC-C3C-C4C	3.06	128.77	124.79
17	5	309	CLA	O2A-CGA-CBA	3.06	121.17	111.83
17	A	856	CLA	O1D-CGD-CBD	-3.06	118.48	124.52
17	2	311	CLA	O1D-CGD-CBD	-3.06	118.48	124.52
17	A	810	CLA	CAC-C3C-C4C	3.06	128.77	124.79
25	1	316	5X6	C12-C13-C14	-3.06	114.20	119.01
17	A	815	CLA	C4C-C3C-C2C	-3.06	102.44	106.89
17	O	203	CLA	CHC-C1C-C2C	-3.06	118.28	126.94
17	B	807	CLA	C3B-C4B-NB	3.06	113.16	109.21
17	A	824	CLA	CAC-C3C-C4C	3.06	128.77	124.79
17	O	203	CLA	CAC-C3C-C4C	3.06	128.77	124.79
17	3	311	CLA	CHD-C4C-NC	3.06	128.97	124.23
17	B	822	CLA	CHD-C4C-NC	3.06	128.97	124.23
17	A	818	CLA	C3B-C4B-NB	3.06	113.16	109.21
17	B	829	CLA	CMB-C2B-C3B	3.06	130.79	124.68
17	B	815	CLA	CED-O2D-CGD	3.05	122.84	115.92
17	B	838	CLA	CAC-C3C-C4C	3.05	128.76	124.79
17	B	813	CLA	O2A-CGA-CBA	3.05	121.14	111.83
17	2	304	CLA	C3B-C4B-NB	3.05	113.15	109.21
17	B	833	CLA	O2D-CGD-O1D	-3.05	117.91	123.85
17	3	308	CLA	CHC-C1C-C2C	-3.05	118.30	126.94
17	A	808	CLA	CAC-C3C-C4C	3.05	128.76	124.79
17	5	311	CLA	C4C-C3C-C2C	-3.05	102.45	106.89
25	1	312	5X6	C41-C17-C16	-3.05	113.43	118.09
17	B	857	CLA	C4C-C3C-C2C	-3.05	102.45	106.89
17	A	822	CLA	CED-O2D-CGD	3.05	122.83	115.92
17	B	820	CLA	CMC-C2C-C1C	3.05	129.80	125.03
17	F	204	CLA	C2A-C1A-NA	3.05	117.68	110.21
17	1	307	CLA	C2C-C1C-NC	3.05	113.18	109.98
17	A	810	CLA	O2A-CGA-CBA	3.05	121.12	111.83
17	A	838	CLA	C1D-CHD-C4C	-3.04	119.55	126.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	853	CLA	CBC-CAC-C3C	-3.04	104.17	112.42
17	3	311	CLA	C2A-C1A-CHA	-3.04	118.59	123.87
17	B	838	CLA	CMC-C2C-C1C	3.04	129.79	125.03
17	B	805	CLA	C1C-C2C-C3C	-3.04	103.78	106.98
17	B	810	CLA	C1D-CHD-C4C	-3.04	119.56	126.02
17	B	818	CLA	CHB-C4A-NA	3.04	128.79	124.40
17	B	807	CLA	CHC-C1C-C2C	-3.04	118.33	126.94
17	A	817	CLA	C1D-CHD-C4C	-3.04	119.56	126.02
17	B	816	CLA	C4C-C3C-C2C	-3.04	102.47	106.89
17	B	811	CLA	CMB-C2B-C3B	3.04	130.75	124.68
25	3	317	5X6	C14-C15-C16	-3.04	114.40	123.20
17	A	818	CLA	C1D-CHD-C4C	-3.04	119.57	126.02
17	B	819	CLA	CMC-C2C-C1C	3.04	129.78	125.03
17	B	841	CLA	O1D-CGD-CBD	-3.03	118.53	124.52
17	B	806	CLA	C1-O2A-CGA	3.03	124.00	116.65
17	L	204	CLA	C4C-C3C-C2C	-3.03	102.47	106.89
17	4	305	CLA	C3B-C4B-NB	3.03	113.13	109.21
17	B	829	CLA	CAC-C3C-C4C	3.03	128.74	124.79
17	5	311	CLA	CHC-C1C-C2C	-3.03	118.35	126.94
17	1	310	CLA	CMC-C2C-C1C	3.03	129.77	125.03
17	B	834	CLA	C1D-CHD-C4C	-3.03	119.58	126.02
17	B	836	CLA	C1D-CHD-C4C	-3.03	119.58	126.02
17	J	103	CLA	C3B-C4B-NB	3.03	113.13	109.21
17	3	305	CLA	CHD-C4C-NC	3.03	128.93	124.23
17	B	831	CLA	CBA-CAA-C2A	3.03	122.80	113.79
17	K	103	CLA	C1C-C2C-C3C	-3.03	103.80	106.98
17	B	807	CLA	CMC-C2C-C1C	3.03	129.76	125.03
17	A	828	CLA	CMC-C2C-C1C	3.03	129.76	125.03
17	3	313	CLA	CAC-C3C-C4C	3.03	128.73	124.79
17	B	821	CLA	CMC-C2C-C1C	3.02	129.76	125.03
17	A	815	CLA	CHC-C1C-C2C	-3.02	118.38	126.94
17	O	203	CLA	CMC-C2C-C1C	3.02	129.76	125.03
17	O	205	CLA	CAC-C3C-C4C	3.02	128.72	124.79
17	A	830	CLA	C4C-C3C-C2C	-3.02	102.49	106.89
17	A	811	CLA	C3B-C4B-NB	3.02	113.12	109.21
17	O	205	CLA	CHC-C1C-C2C	-3.02	118.38	126.94
17	B	816	CLA	CHC-C1C-C2C	-3.02	118.38	126.94
17	B	839	CLA	C3B-C4B-NB	3.02	113.12	109.21
17	A	819	CLA	C2A-C1A-CHA	-3.02	118.62	123.87
17	B	819	CLA	CED-O2D-CGD	3.02	122.77	115.92
25	1	316	5X6	C01-C02-C07	-3.02	108.87	114.42
17	B	826	CLA	C4C-C3C-C2C	-3.02	102.50	106.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	4	306	CLA	C4C-C3C-C2C	-3.02	102.50	106.89
17	2	305	CLA	C1C-C2C-C3C	-3.02	103.81	106.98
17	4	303	CLA	O1D-CGD-CBD	-3.02	118.57	124.52
17	1	305	CLA	C1D-CHD-C4C	-3.02	119.61	126.02
17	A	826	CLA	O2A-CGA-CBA	3.02	121.03	111.83
16	A	801	CL0	O2D-CGD-O1D	-3.02	117.98	123.85
17	1	309	CLA	CHC-C1C-C2C	-3.01	118.40	126.94
17	4	310	CLA	CAC-C3C-C4C	3.01	128.71	124.79
17	B	837	CLA	C4-C3-C2	-3.01	115.89	123.63
17	A	852	CLA	C11-C10-C8	-3.01	105.95	115.97
17	A	839	CLA	C1D-CHD-C4C	-3.01	119.62	126.02
25	J	105	5X6	C41-C17-C18	-3.01	117.94	122.82
17	B	831	CLA	C4-C3-C5	3.01	120.45	115.23
17	1	303	CLA	C4C-C3C-C2C	-3.01	102.51	106.89
17	B	819	CLA	O2D-CGD-O1D	-3.01	117.99	123.85
17	A	810	CLA	C4C-C3C-C2C	-3.01	102.51	106.89
17	2	305	CLA	CHD-C4C-NC	3.01	128.89	124.23
17	B	831	CLA	C4C-C3C-C2C	-3.01	102.52	106.89
17	A	818	CLA	C4A-NA-C1A	-3.01	105.31	106.68
17	A	802	CLA	CHC-C1C-C2C	-3.00	118.43	126.94
17	B	809	CLA	C1-C2-C3	-3.00	121.28	126.20
17	B	826	CLA	CMA-C3A-C2A	-3.00	102.37	113.98
17	B	812	CLA	C4-C3-C2	-3.00	115.92	123.63
17	2	306	CLA	CHC-C1C-C2C	-3.00	118.44	126.94
17	2	305	CLA	CAC-C3C-C4C	3.00	128.70	124.79
17	A	835	CLA	C1D-CHD-C4C	-3.00	119.64	126.02
17	B	834	CLA	C4C-C3C-C2C	-3.00	102.52	106.89
17	5	308	CLA	C3C-C4C-NC	3.00	114.27	110.43
17	F	203	CLA	CHC-C1C-C2C	-3.00	118.44	126.94
25	4	314	5X6	C11-C03-C02	-3.00	114.65	121.56
17	B	840	CLA	C1D-CHD-C4C	-3.00	119.65	126.02
17	4	309	CLA	C2A-C1A-NA	3.00	117.56	110.21
17	A	804	CLA	CHC-C1C-C2C	-3.00	118.45	126.94
17	A	821	CLA	CHC-C1C-C2C	-3.00	118.45	126.94
17	4	305	CLA	CHC-C1C-C2C	-3.00	118.45	126.94
17	B	832	CLA	CMB-C2B-C3B	3.00	130.67	124.68
17	3	306	CLA	C4C-C3C-C2C	-3.00	102.53	106.89
17	1	310	CLA	C1C-C2C-C3C	-3.00	103.83	106.98
20	M	101	BCR	C34-C9-C10	-3.00	117.96	122.82
17	B	821	CLA	C4C-C3C-C2C	-2.99	102.53	106.89
17	3	313	CLA	CHC-C1C-C2C	-2.99	118.47	126.94
25	3	316	5X6	C42-C13-C12	-2.99	113.52	118.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	809	CLA	C4C-C3C-C2C	-2.99	102.54	106.89
17	5	308	CLA	CHB-C4A-NA	2.99	128.72	124.40
17	1	311	CLA	C3B-C4B-NB	2.99	113.08	109.21
17	2	312	CLA	C4C-C3C-C2C	-2.99	102.54	106.89
17	A	852	CLA	C1-O2A-CGA	2.99	123.88	116.65
17	1	306	CLA	C3C-C4C-NC	2.99	114.25	110.43
20	K	104	BCR	C36-C18-C17	-2.99	117.98	122.82
17	B	826	CLA	CAC-C3C-C4C	2.98	128.67	124.79
17	B	808	CLA	CMC-C2C-C1C	2.98	129.70	125.03
17	A	837	CLA	O2A-CGA-CBA	2.98	120.93	111.83
17	A	805	CLA	C1-C2-C3	-2.98	121.94	126.76
17	A	805	CLA	C4C-C3C-C2C	-2.98	102.55	106.89
17	B	837	CLA	C2A-C1A-CHA	-2.98	118.69	123.87
17	5	313	CLA	C4C-C3C-C2C	-2.98	102.55	106.89
17	A	836	CLA	CHC-C1C-C2C	-2.98	118.50	126.94
17	3	314	CLA	C3B-C4B-NB	2.98	113.06	109.21
17	B	835	CLA	CHC-C1C-C2C	-2.98	118.51	126.94
17	B	837	CLA	C3B-C4B-NB	2.98	113.06	109.21
25	F	205	5X6	C34-C33-C32	-2.98	107.07	113.59
17	A	824	CLA	CHB-C4A-NA	2.97	128.69	124.40
17	B	821	CLA	CHC-C1C-C2C	-2.97	118.52	126.94
17	B	804	CLA	CMA-C3A-C2A	-2.97	102.48	113.98
17	B	809	CLA	O2D-CGD-O1D	-2.97	118.06	123.85
17	4	304	CLA	CHD-C4C-NC	2.97	128.84	124.23
17	B	806	CLA	C4C-C3C-C2C	-2.97	102.57	106.89
17	A	806	CLA	C1D-CHD-C4C	-2.97	119.71	126.02
17	A	808	CLA	C4-C3-C5	2.97	120.38	115.23
17	2	307	CLA	C3C-C4C-NC	2.97	114.23	110.43
17	B	801	CLA	CHC-C1C-C2C	-2.97	118.53	126.94
25	1	312	5X6	C25-C24-C23	-2.97	114.59	123.20
17	A	833	CLA	C3B-C4B-NB	2.97	113.05	109.21
17	B	832	CLA	C4C-C3C-C2C	-2.97	102.57	106.89
17	1	306	CLA	CHC-C1C-C2C	-2.97	118.54	126.94
17	3	315	CLA	CHC-C1C-C2C	-2.96	118.55	126.94
17	B	831	CLA	O2A-CGA-CBA	2.96	120.87	111.83
17	A	805	CLA	CED-O2D-CGD	2.96	122.63	115.92
17	4	310	CLA	CHC-C1C-C2C	-2.96	118.55	126.94
17	4	307	CLA	CHC-C1C-C2C	-2.96	118.56	126.94
17	5	309	CLA	CHD-C4C-NC	2.96	128.82	124.23
17	2	307	CLA	CBA-CAA-C2A	2.96	122.60	113.79
17	B	830	CLA	CMC-C2C-C1C	2.96	129.66	125.03
17	A	813	CLA	C2A-C1A-CHA	-2.96	118.73	123.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	5	306	CLA	C3B-C4B-NB	2.96	113.03	109.21
17	5	310	CLA	C3B-C4B-NB	2.96	113.03	109.21
17	J	103	CLA	C4C-C3C-C2C	-2.96	102.59	106.89
17	A	810	CLA	CHC-C1C-C2C	-2.96	118.56	126.94
17	B	841	CLA	CAC-C3C-C4C	2.96	128.64	124.79
17	B	823	CLA	C4C-C3C-C2C	-2.96	102.59	106.89
17	3	312	CLA	C2A-C1A-NA	2.96	117.45	110.21
17	B	809	CLA	CAA-C2A-C3A	-2.96	105.01	113.00
17	B	811	CLA	CHB-C4A-NA	2.96	128.67	124.40
17	A	815	CLA	C4-C3-C5	2.96	120.36	115.23
17	A	820	CLA	CHC-C1C-C2C	-2.95	118.58	126.94
17	A	839	CLA	C3B-C4B-NB	2.95	113.03	109.21
17	3	311	CLA	O2D-CGD-O1D	-2.95	118.10	123.85
20	B	847	BCR	C37-C22-C23	2.95	122.59	118.09
18	A	840	PQN	C2M-C2-C3	-2.95	119.60	124.45
17	1	306	CLA	C2A-C1A-CHA	-2.95	118.75	123.87
17	3	312	CLA	C3B-C4B-NB	2.95	113.02	109.21
17	J	103	CLA	CHC-C1C-C2C	-2.95	118.60	126.94
17	B	801	CLA	C4C-C3C-C2C	-2.94	102.61	106.89
17	A	835	CLA	CHD-C1D-ND	-2.94	120.66	124.80
20	L	205	BCR	C37-C22-C23	2.94	122.58	118.09
17	A	804	CLA	C1D-CHD-C4C	-2.94	119.77	126.02
17	5	308	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
25	1	313	5X6	C14-C15-C16	-2.94	114.68	123.20
17	3	307	CLA	O2A-CGA-CBA	2.94	120.80	111.83
17	L	204	CLA	CHC-C1C-C2C	-2.94	118.61	126.94
17	A	802	CLA	CAC-C3C-C4C	2.94	128.61	124.79
17	B	835	CLA	CAC-C3C-C4C	2.94	128.61	124.79
25	1	316	5X6	C25-C24-C23	-2.94	114.69	123.20
17	B	831	CLA	C4A-NA-C1A	-2.94	105.34	106.68
17	A	833	CLA	C3C-C4C-NC	2.94	114.19	110.43
17	A	820	CLA	CED-O2D-CGD	2.94	122.58	115.92
17	A	817	CLA	CBC-CAC-C3C	-2.94	104.46	112.42
17	B	814	CLA	CHC-C1C-C2C	-2.93	118.63	126.94
17	B	810	CLA	CHD-C1D-ND	-2.93	120.67	124.80
20	J	104	BCR	C15-C16-C17	2.93	129.52	123.52
17	3	313	CLA	CMC-C2C-C1C	2.93	129.62	125.03
17	2	313	CLA	CMC-C2C-C1C	2.93	129.62	125.03
17	A	834	CLA	O2D-CGD-O1D	-2.93	118.14	123.85
17	2	313	CLA	CHC-C1C-C2C	-2.93	118.64	126.94
17	B	809	CLA	CBC-CAC-C3C	-2.93	104.48	112.42
17	A	833	CLA	C1D-CHD-C4C	-2.93	119.79	126.02

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	K	102	CLA	C3B-C4B-NB	2.93	113.00	109.21
17	A	828	CLA	CMA-C3A-C2A	-2.93	102.66	113.98
17	B	828	CLA	CMB-C2B-C3B	2.93	130.53	124.68
17	B	818	CLA	C1D-CHD-C4C	-2.93	119.80	126.02
17	5	312	CLA	C1C-C2C-C3C	-2.93	103.90	106.98
17	B	834	CLA	C2A-C1A-CHA	-2.93	118.79	123.87
17	B	823	CLA	CHC-C1C-C2C	-2.93	118.65	126.94
17	B	838	CLA	CHC-C1C-C2C	-2.93	118.65	126.94
17	B	807	CLA	C1D-CHD-C4C	-2.93	119.80	126.02
17	A	855	CLA	C4A-NA-C1A	-2.93	105.34	106.68
17	A	832	CLA	O1D-CGD-CBD	-2.92	118.75	124.52
25	1	312	5X6	C23-C22-C21	-2.92	114.41	119.01
20	I	101	BCR	C34-C9-C8	2.92	122.56	118.09
17	3	312	CLA	CHC-C1C-C2C	-2.92	118.66	126.94
17	5	310	CLA	C2A-C1A-NA	2.92	117.37	110.21
17	5	305	CLA	C3C-C4C-NC	2.92	114.17	110.43
17	A	808	CLA	CHC-C1C-C2C	-2.92	118.67	126.94
17	B	830	CLA	CBC-CAC-C3C	-2.92	104.50	112.42
17	B	838	CLA	CMB-C2B-C3B	2.92	130.52	124.68
17	2	308	CLA	C4C-C3C-C2C	-2.92	102.64	106.89
17	B	825	CLA	C4A-NA-C1A	-2.92	105.35	106.68
17	1	305	CLA	C3B-C4B-NB	2.92	112.98	109.21
17	1	306	CLA	CMC-C2C-C1C	2.92	129.59	125.03
17	F	203	CLA	C4C-C3C-C2C	-2.92	102.64	106.89
17	O	203	CLA	C2A-C1A-NA	2.92	117.36	110.21
17	A	805	CLA	CHC-C1C-C2C	-2.92	118.68	126.94
17	A	833	CLA	C2A-C1A-CHA	-2.92	118.81	123.87
17	O	203	CLA	C3B-C4B-NB	2.92	112.98	109.21
20	L	205	BCR	C34-C9-C10	-2.92	118.09	122.82
17	A	832	CLA	C1D-CHD-C4C	-2.91	119.82	126.02
17	B	802	CLA	CMC-C2C-C1C	2.91	129.59	125.03
17	A	812	CLA	C3B-C4B-NB	2.91	112.98	109.21
17	B	820	CLA	C4C-C3C-C2C	-2.91	102.65	106.89
17	A	806	CLA	CHC-C1C-C2C	-2.91	118.69	126.94
17	A	812	CLA	C4A-NA-C1A	-2.91	105.35	106.68
17	A	813	CLA	CHC-C1C-C2C	-2.91	118.70	126.94
17	3	310	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
17	A	835	CLA	C2A-C1A-CHA	-2.91	118.82	123.87
17	A	803	CLA	CHC-C1C-C2C	-2.91	118.70	126.94
17	A	812	CLA	CMB-C2B-C3B	2.91	130.50	124.68
17	F	204	CLA	C1D-CHD-C4C	-2.91	119.84	126.02
17	B	810	CLA	CHC-C1C-C2C	-2.91	118.70	126.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	L	203	CLA	CHC-C1C-C2C	-2.91	118.70	126.94
25	2	320	5X6	C40-C22-C23	-2.91	113.65	118.09
17	B	806	CLA	CMB-C2B-C3B	2.91	130.49	124.68
17	A	855	CLA	C3B-C4B-NB	2.91	112.97	109.21
25	5	317	5X6	C12-C13-C14	-2.91	114.44	119.01
17	F	204	CLA	C3C-C4C-NC	2.91	114.15	110.43
17	3	307	CLA	O1D-CGD-CBD	-2.91	118.79	124.52
17	4	309	CLA	CHC-C1C-C2C	-2.91	118.71	126.94
17	1	304	CLA	C2A-C1A-CHA	-2.91	118.83	123.87
17	L	202	CLA	C4C-C3C-C2C	-2.90	102.66	106.89
17	B	807	CLA	OBD-CAD-C3D	-2.90	121.63	128.42
25	4	314	5X6	C40-C22-C23	-2.90	113.65	118.09
17	A	808	CLA	C4C-C3C-C2C	-2.90	102.67	106.89
17	B	828	CLA	CHC-C1C-C2C	-2.90	118.72	126.94
17	B	826	CLA	CHB-C4A-NA	2.90	128.59	124.40
20	A	845	BCR	C2-C1-C6	2.90	114.65	110.44
17	A	807	CLA	C3B-C4B-NB	2.90	112.96	109.21
17	B	829	CLA	CHC-C1C-C2C	-2.90	118.73	126.94
17	B	818	CLA	CHC-C1C-C2C	-2.90	118.73	126.94
17	A	836	CLA	CMB-C2B-C3B	2.90	130.48	124.68
17	B	811	CLA	CAC-C3C-C4C	2.90	128.56	124.79
17	5	310	CLA	CHC-C1C-C2C	-2.90	118.73	126.94
17	1	308	CLA	C3B-C4B-NB	2.90	112.96	109.21
17	A	853	CLA	CHC-C1C-C2C	-2.90	118.73	126.94
17	1	307	CLA	CED-O2D-CGD	2.90	122.49	115.92
17	A	825	CLA	OBD-CAD-C3D	-2.90	121.64	128.42
17	A	807	CLA	C1C-C2C-C3C	-2.90	103.93	106.98
17	A	814	CLA	C1C-C2C-C3C	-2.90	103.93	106.98
17	5	303	CLA	C3C-C4C-NC	2.90	114.14	110.43
17	A	835	CLA	C3B-C4B-NB	2.90	112.95	109.21
20	O	202	BCR	C16-C15-C14	2.90	129.44	123.52
17	B	833	CLA	CHC-C1C-C2C	-2.89	118.74	126.94
17	2	312	CLA	C3B-C4B-NB	2.89	112.95	109.21
17	J	103	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
17	B	801	CLA	O2D-CGD-CBD	2.89	116.29	111.23
17	A	832	CLA	C1B-CHB-C4A	-2.89	124.52	130.04
17	5	304	CLA	CAC-C3C-C4C	2.89	128.55	124.79
17	4	307	CLA	C4C-C3C-C2C	-2.89	102.68	106.89
17	A	816	CLA	O2D-CGD-CBD	2.89	116.29	111.23
17	5	314	CLA	CHC-C1C-C2C	-2.89	118.75	126.94
17	A	808	CLA	CMC-C2C-C1C	2.89	129.55	125.03
17	5	307	CLA	CMB-C2B-C3B	2.89	130.46	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	834	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
17	B	830	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
17	1	306	CLA	CAA-C2A-C3A	-2.89	105.20	113.00
17	5	311	CLA	CAC-C3C-C4C	2.89	128.54	124.79
17	3	309	CLA	C4C-C3C-C2C	-2.88	102.69	106.89
16	A	801	CL0	CAC-C3C-C4C	2.88	128.54	124.79
17	B	807	CLA	C4C-C3C-C2C	-2.88	102.70	106.89
17	A	855	CLA	CAC-C3C-C4C	2.88	128.54	124.79
17	B	831	CLA	CMC-C2C-C1C	2.88	129.54	125.03
25	3	316	5X6	C39-C26-C27	-2.88	113.69	118.09
17	A	807	CLA	C1D-CHD-C4C	-2.88	119.90	126.02
17	A	825	CLA	O2A-CGA-CBA	2.88	120.61	111.83
17	A	817	CLA	C4C-C3C-C2C	-2.88	102.70	106.89
20	I	101	BCR	C11-C10-C9	2.88	131.31	127.28
17	5	310	CLA	O2D-CGD-O1D	-2.87	118.25	123.85
17	4	310	CLA	C4C-C3C-C2C	-2.87	102.71	106.89
20	B	844	BCR	C37-C22-C21	-2.87	118.16	122.82
20	B	846	BCR	C36-C18-C17	-2.87	118.16	122.82
17	B	811	CLA	CHC-C1C-C2C	-2.87	118.81	126.94
17	B	841	CLA	C3B-C4B-NB	2.87	112.92	109.21
17	A	829	CLA	CHC-C1C-C2C	-2.87	118.81	126.94
17	5	309	CLA	CAC-C3C-C4C	2.87	128.53	124.79
17	B	809	CLA	C2A-C1A-CHA	-2.87	118.88	123.87
17	A	802	CLA	CMC-C2C-C1C	2.87	129.52	125.03
17	O	205	CLA	C4C-C3C-C2C	-2.87	102.71	106.89
20	A	845	BCR	C37-C22-C21	-2.87	118.17	122.82
17	A	859	CLA	CHC-C1C-C2C	-2.87	118.82	126.94
17	L	203	CLA	C4C-C3C-C2C	-2.87	102.72	106.89
17	5	308	CLA	C3B-C4B-NB	2.87	112.92	109.21
17	1	303	CLA	CHC-C1C-C2C	-2.87	118.82	126.94
17	A	859	CLA	C3B-C4B-NB	2.87	112.92	109.21
17	B	809	CLA	O2A-CGA-CBA	2.87	120.58	111.83
17	2	315	CLA	CHC-C1C-C2C	-2.87	118.82	126.94
25	3	316	5X6	C41-C17-C16	-2.87	113.71	118.09
17	5	302	CLA	C3B-C4B-NB	2.87	112.91	109.21
17	3	311	CLA	O2A-CGA-CBA	2.86	120.57	111.83
17	A	822	CLA	C1C-C2C-C3C	-2.86	103.97	106.98
17	A	829	CLA	C4C-C3C-C2C	-2.86	102.72	106.89
17	2	315	CLA	CED-O2D-CGD	2.86	122.41	115.92
17	B	814	CLA	C4A-NA-C1A	-2.86	105.37	106.68
17	B	813	CLA	CHC-C1C-C2C	-2.86	118.84	126.94
20	B	803	BCR	C34-C9-C10	-2.86	118.18	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	1	307	CLA	C4C-C3C-C2C	-2.86	102.73	106.89
17	2	312	CLA	CMC-C2C-C1C	2.86	129.50	125.03
17	4	303	CLA	C3B-C4B-NB	2.86	112.91	109.21
17	1	308	CLA	C2A-C1A-NA	2.86	117.21	110.21
17	2	304	CLA	C2A-C1A-CHA	-2.86	118.91	123.87
17	4	311	CLA	C2A-C1A-CHA	-2.86	118.91	123.87
17	3	306	CLA	C3B-C4B-NB	2.86	112.91	109.21
17	3	310	CLA	CHC-C1C-C2C	-2.86	118.85	126.94
17	2	310	CLA	C4C-C3C-C2C	-2.86	102.73	106.89
17	3	310	CLA	C4C-C3C-C2C	-2.86	102.73	106.89
17	O	205	CLA	CMC-C2C-C1C	2.86	129.50	125.03
17	5	303	CLA	C2A-C1A-CHA	-2.86	118.91	123.87
17	3	310	CLA	CBA-CAA-C2A	2.86	122.29	113.79
17	K	102	CLA	CHC-C1C-C2C	-2.86	118.86	126.94
17	A	803	CLA	CED-O2D-CGD	2.85	122.39	115.92
17	A	853	CLA	C4C-C3C-C2C	-2.85	102.74	106.89
17	B	824	CLA	CAC-C3C-C4C	2.85	128.50	124.79
17	A	815	CLA	C1-O2A-CGA	2.85	123.56	116.65
17	1	303	CLA	O2A-CGA-CBA	2.85	120.53	111.83
17	A	819	CLA	CHC-C1C-C2C	-2.85	118.87	126.94
17	3	314	CLA	CHC-C1C-C2C	-2.85	118.87	126.94
17	5	308	CLA	C4C-C3C-C2C	-2.85	102.74	106.89
17	K	102	CLA	CAA-C2A-C3A	-2.85	105.30	113.00
17	B	824	CLA	C4C-C3C-C2C	-2.85	102.74	106.89
17	B	817	CLA	C4-C3-C5	2.85	120.17	115.23
17	A	821	CLA	C1D-CHD-C4C	-2.85	119.97	126.02
17	3	313	CLA	C3B-C4B-NB	2.85	112.89	109.21
17	4	309	CLA	C3B-C4B-NB	2.85	112.89	109.21
25	5	317	5X6	C25-C24-C23	-2.85	114.95	123.20
17	A	855	CLA	CHC-C1C-C2C	-2.85	118.88	126.94
20	L	206	BCR	C16-C15-C14	2.84	129.34	123.52
17	3	315	CLA	C4-C3-C5	2.84	119.48	116.13
17	B	830	CLA	CMB-C2B-C3B	2.84	130.37	124.68
17	B	826	CLA	C3B-C4B-NB	2.84	112.89	109.21
17	5	314	CLA	O2A-CGA-CBA	2.84	120.50	111.83
17	A	807	CLA	CMB-C2B-C3B	2.84	130.36	124.68
17	2	310	CLA	O2D-CGD-CBD	2.84	116.20	111.23
17	1	309	CLA	C3B-C4B-NB	2.84	112.88	109.21
17	B	815	CLA	CHC-C1C-C2C	-2.84	118.89	126.94
17	2	316	CLA	CHC-C1C-C2C	-2.84	118.89	126.94
25	4	313	5X6	C28-C29-C30	-2.84	115.01	121.56
17	A	824	CLA	O2D-CGD-O1D	-2.84	118.32	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	821	CLA	O1D-CGD-CBD	-2.84	118.92	124.52
17	5	303	CLA	CHC-C1C-C2C	-2.84	118.91	126.94
17	B	829	CLA	C4C-C3C-C2C	-2.84	102.76	106.89
17	A	834	CLA	C3B-C4B-NB	2.84	112.88	109.21
17	A	811	CLA	C1C-C2C-C3C	-2.84	104.00	106.98
17	4	311	CLA	CHC-C1C-C2C	-2.83	118.91	126.94
17	A	824	CLA	CMB-C2B-C3B	2.83	130.35	124.68
17	1	307	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
17	B	835	CLA	CBA-CAA-C2A	2.83	122.22	113.79
17	4	306	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
17	5	303	CLA	CHD-C4C-NC	2.83	128.62	124.23
17	A	803	CLA	CHB-C4A-NA	2.83	128.49	124.40
17	O	205	CLA	C3B-C4B-NB	2.83	112.87	109.21
16	A	801	CL0	CHC-C1C-C2C	-2.83	118.92	126.94
17	2	306	CLA	C4C-C3C-C2C	-2.83	102.77	106.89
17	B	807	CLA	CBC-CAC-C3C	-2.83	104.75	112.42
17	B	826	CLA	CHC-C1C-C2C	-2.83	118.93	126.94
17	A	838	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
17	3	305	CLA	C2A-C1A-CHA	-2.83	118.96	123.87
17	1	304	CLA	CHD-C4C-NC	2.83	128.62	124.23
20	M	101	BCR	C12-C13-C14	2.83	123.46	119.01
17	3	315	CLA	C4C-C3C-C2C	-2.83	102.78	106.89
17	A	816	CLA	C2A-C1A-CHA	-2.83	118.96	123.87
17	A	852	CLA	CAA-C2A-C3A	-2.83	105.36	113.00
17	B	838	CLA	CBC-CAC-C3C	-2.83	104.76	112.42
17	1	307	CLA	C1C-C2C-C3C	-2.82	104.01	106.98
17	B	825	CLA	CHC-C1C-C2C	-2.82	118.94	126.94
17	3	315	CLA	C3B-C4B-NB	2.82	112.86	109.21
17	3	312	CLA	C2A-C1A-CHA	-2.82	118.97	123.86
17	A	833	CLA	CHB-C4A-NA	2.82	128.47	124.40
17	A	838	CLA	O2A-CGA-CBA	2.82	120.44	111.83
17	B	820	CLA	CHC-C1C-C2C	-2.82	118.95	126.94
17	A	854	CLA	C1D-CHD-C4C	-2.82	120.03	126.02
17	4	305	CLA	C4C-C3C-C2C	-2.82	102.79	106.89
17	3	309	CLA	CHC-C1C-C2C	-2.82	118.95	126.94
24	B	849	DGD	O2G-C1B-C2B	2.82	117.58	111.48
17	3	313	CLA	C4C-C3C-C2C	-2.82	102.79	106.89
17	K	103	CLA	OBD-CAD-C3D	-2.82	121.83	128.42
17	B	811	CLA	C4C-C3C-C2C	-2.82	102.79	106.89
17	5	314	CLA	C4C-C3C-C2C	-2.82	102.79	106.89
17	2	311	CLA	C2A-C1A-CHA	-2.82	118.98	123.87
17	A	831	CLA	CHC-C1C-C2C	-2.82	118.96	126.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	804	CLA	O2D-CGD-CBD	2.82	116.16	111.23
17	A	819	CLA	C3B-C4B-NB	2.81	112.85	109.21
17	F	204	CLA	C2A-C1A-CHA	-2.81	118.99	123.86
25	1	314	5X6	C04-C03-C02	-2.81	118.79	122.64
17	4	308	CLA	CHD-C4C-NC	2.81	128.59	124.23
17	B	820	CLA	CED-O2D-CGD	2.81	122.29	115.92
17	4	303	CLA	O2A-CGA-CBA	2.81	120.40	111.83
17	A	828	CLA	CAC-C3C-C4C	2.81	128.45	124.79
17	A	805	CLA	C1D-CHD-C4C	-2.81	120.05	126.02
17	A	836	CLA	O2A-CGA-CBA	2.81	120.40	111.83
17	B	832	CLA	CED-O2D-CGD	2.81	122.28	115.92
17	A	852	CLA	CMA-C3A-C2A	-2.81	103.13	113.98
20	K	104	BCR	C12-C13-C14	2.81	123.42	119.01
17	3	306	CLA	CMC-C2C-C1C	2.81	129.42	125.03
17	A	836	CLA	CED-O2D-CGD	2.81	122.28	115.92
17	4	310	CLA	C3B-C4B-NB	2.80	112.84	109.21
17	B	802	CLA	CAA-C2A-C3A	-2.80	105.42	113.00
17	B	823	CLA	C2A-C1A-CHA	-2.80	119.00	123.87
17	B	817	CLA	C2A-C1A-CHA	-2.80	119.00	123.87
17	F	203	CLA	C3B-C4B-NB	2.80	112.83	109.21
17	4	306	CLA	CHC-C1C-C2C	-2.80	119.00	126.94
17	A	802	CLA	C4A-NA-C1A	-2.80	105.40	106.68
17	5	309	CLA	C1-O2A-CGA	2.80	123.43	116.65
17	4	309	CLA	C2A-C1A-CHA	-2.80	119.01	123.86
17	L	202	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
17	2	316	CLA	C3B-C4B-NB	2.80	112.83	109.21
17	A	834	CLA	C4-C3-C5	2.80	120.09	115.23
17	2	316	CLA	C4C-C3C-C2C	-2.80	102.82	106.89
17	5	313	CLA	O2D-CGD-O1D	-2.79	118.41	123.85
25	1	314	5X6	C01-C02-C07	-2.79	109.28	114.42
17	B	831	CLA	CED-O2D-CGD	2.79	122.25	115.92
25	1	314	5X6	C27-C26-C25	-2.79	114.61	119.01
17	A	832	CLA	C3B-C4B-NB	2.79	112.82	109.21
17	B	816	CLA	O2D-CGD-O1D	-2.79	118.41	123.85
17	3	307	CLA	C4C-C3C-C2C	-2.79	102.83	106.89
17	A	802	CLA	O1D-CGD-CBD	-2.79	119.01	124.52
17	L	202	CLA	C4A-NA-C1A	-2.79	105.41	106.68
17	4	311	CLA	C3B-C4B-NB	2.79	112.82	109.21
25	J	105	5X6	C40-C22-C23	-2.79	113.83	118.09
17	A	816	CLA	CHC-C1C-C2C	-2.79	119.04	126.94
17	1	310	CLA	CHC-C1C-C2C	-2.79	119.04	126.94
20	B	846	BCR	C37-C22-C21	-2.79	118.30	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	O	204	CLA	CHC-C1C-C2C	-2.79	119.05	126.94
17	A	853	CLA	CAA-C2A-C3A	-2.79	105.47	113.00
17	5	311	CLA	C3B-C4B-NB	2.79	112.81	109.21
20	J	104	BCR	C34-C9-C10	-2.78	118.30	122.82
17	A	823	CLA	CMA-C3A-C4A	2.78	119.26	111.77
25	1	315	5X6	C40-C22-C23	-2.78	113.83	118.09
25	4	313	5X6	C25-C24-C23	-2.78	115.13	123.20
17	3	307	CLA	C2A-C1A-CHA	-2.78	119.04	123.87
17	A	833	CLA	CHC-C1C-C2C	-2.78	119.06	126.94
17	B	826	CLA	CMC-C2C-C1C	2.78	129.38	125.03
17	A	804	CLA	O2A-CGA-CBA	2.78	120.32	111.83
17	3	311	CLA	C4C-C3C-C2C	-2.78	102.84	106.89
25	5	317	5X6	C16-C17-C18	-2.78	114.63	119.01
17	5	311	CLA	C2A-C1A-CHA	-2.78	119.04	123.87
25	3	317	5X6	C38-C30-C31	-2.78	109.31	114.42
17	1	302	CLA	O1D-CGD-CBD	-2.78	119.04	124.52
17	B	801	CLA	CMC-C2C-C1C	2.78	129.37	125.03
17	2	313	CLA	C3B-C4B-NB	2.78	112.80	109.21
17	5	309	CLA	CED-O2D-CGD	2.78	122.21	115.92
17	2	311	CLA	C4C-C3C-C2C	-2.77	102.85	106.89
17	O	204	CLA	O2A-CGA-CBA	2.77	120.29	111.83
17	B	841	CLA	C4C-C3C-C2C	-2.77	102.86	106.89
17	2	304	CLA	CHD-C4C-NC	2.77	128.53	124.23
25	2	320	5X6	C38-C30-C31	-2.77	109.32	114.42
17	B	802	CLA	C3B-C4B-NB	2.77	112.80	109.21
20	A	843	BCR	C37-C22-C23	2.77	122.32	118.09
17	B	802	CLA	O1D-CGD-CBD	-2.77	119.05	124.52
25	2	317	5X6	C40-C22-C23	-2.77	113.86	118.09
17	B	819	CLA	C4C-C3C-C2C	-2.77	102.86	106.89
17	2	312	CLA	O1D-CGD-CBD	-2.77	119.05	124.52
17	2	314	CLA	C1C-C2C-C3C	-2.77	104.07	106.98
20	A	845	BCR	C34-C9-C10	-2.77	118.33	122.82
17	2	309	CLA	O2D-CGD-O1D	-2.77	118.46	123.85
17	B	836	CLA	C2A-C1A-CHA	-2.77	119.07	123.87
17	1	311	CLA	C2A-C1A-CHA	-2.77	119.07	123.87
17	A	827	CLA	CMB-C2B-C3B	2.76	130.21	124.68
17	A	821	CLA	C2A-C1A-CHA	-2.76	119.07	123.87
17	A	815	CLA	C3B-C4B-NB	2.76	112.78	109.21
20	K	104	BCR	C19-C18-C17	2.76	123.36	119.01
17	2	307	CLA	O1D-CGD-CBD	-2.76	119.07	124.52
17	A	838	CLA	C3B-C4B-NB	2.76	112.78	109.21
17	1	302	CLA	C2A-C1A-CHA	-2.76	119.07	123.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	4	305	CLA	C2A-C1A-CHA	-2.76	119.07	123.87
17	A	805	CLA	O2D-CGD-O1D	-2.76	118.47	123.85
17	B	801	CLA	CHB-C4A-NA	2.76	128.38	124.40
17	4	304	CLA	C2A-C1A-CHA	-2.76	119.08	123.87
17	L	204	CLA	CED-O2D-CGD	2.76	122.17	115.92
17	A	812	CLA	CHC-C1C-C2C	-2.76	119.13	126.94
17	A	833	CLA	C4-C3-C2	-2.76	116.54	123.63
17	B	802	CLA	CHC-C1C-C2C	-2.76	119.13	126.94
17	B	814	CLA	O1D-CGD-CBD	-2.76	119.08	124.52
17	A	818	CLA	CHC-C1C-C2C	-2.76	119.13	126.94
17	A	823	CLA	O2A-CGA-CBA	2.76	120.24	111.83
17	1	305	CLA	CED-O2D-CGD	2.76	122.17	115.92
17	A	853	CLA	C1D-CHD-C4C	-2.76	120.16	126.02
17	4	309	CLA	C4C-C3C-C2C	-2.76	102.88	106.89
17	5	310	CLA	C4C-C3C-C2C	-2.76	102.88	106.89
17	B	857	CLA	C2A-C1A-CHA	-2.75	119.09	123.87
17	A	802	CLA	C4C-C3C-C2C	-2.75	102.88	106.89
17	2	307	CLA	CHC-C1C-C2C	-2.75	119.14	126.94
17	A	806	CLA	C4C-C3C-C2C	-2.75	102.89	106.89
17	A	803	CLA	O2A-CGA-CBA	2.75	120.23	111.83
17	3	311	CLA	CAC-C3C-C4C	2.75	128.37	124.79
17	2	312	CLA	C2A-C1A-NA	2.75	116.95	110.21
20	M	101	BCR	C36-C18-C17	-2.75	118.36	122.82
17	5	305	CLA	CED-O2D-CGD	2.75	122.15	115.92
17	1	308	CLA	C2A-C1A-CHA	-2.75	119.10	123.86
17	5	307	CLA	C4C-C3C-C2C	-2.75	102.89	106.89
17	A	826	CLA	CMB-C2B-C3B	2.75	130.17	124.68
17	A	810	CLA	C4A-NA-C1A	-2.75	105.43	106.68
17	B	838	CLA	C3B-C4B-NB	2.75	112.76	109.21
17	A	820	CLA	CAC-C3C-C4C	2.74	128.36	124.79
17	B	808	CLA	O2A-CGA-CBA	2.74	120.20	111.83
17	5	304	CLA	C1-O2A-CGA	2.74	123.29	116.65
17	B	834	CLA	CED-O2D-CGD	2.74	122.14	115.92
17	2	316	CLA	O2D-CGD-O1D	-2.74	118.51	123.85
17	B	827	CLA	CHC-C1C-C2C	-2.74	119.17	126.94
17	1	306	CLA	CHB-C4A-NA	2.74	128.36	124.40
17	B	816	CLA	C2A-C1A-CHA	-2.74	119.11	123.87
17	A	803	CLA	C4C-C3C-C2C	-2.74	102.90	106.89
17	5	306	CLA	C4C-C3C-C2C	-2.74	102.90	106.89
17	F	204	CLA	C4C-C3C-C2C	-2.74	102.90	106.89
17	A	809	CLA	C4A-NA-C1A	-2.74	105.43	106.68
17	B	841	CLA	CHC-C1C-C2C	-2.74	119.18	126.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	4	314	5X6	C39-C26-C27	-2.74	113.90	118.09
17	B	841	CLA	C1-C2-C3	-2.74	121.71	126.20
25	J	105	5X6	C42-C13-C12	-2.74	113.90	118.09
17	A	815	CLA	C2A-C1A-CHA	-2.74	119.11	123.87
17	O	205	CLA	O2D-CGD-O1D	-2.74	118.52	123.85
17	A	820	CLA	CHD-C4C-NC	2.74	128.48	124.23
17	B	801	CLA	C1B-CHB-C4A	-2.74	124.82	130.04
17	B	818	CLA	CAA-C2A-C1A	-2.74	103.00	111.97
17	5	308	CLA	CMB-C2B-C3B	2.74	130.15	124.68
17	B	857	CLA	CAA-C2A-C1A	-2.74	103.01	111.97
17	5	308	CLA	CHC-C1C-C2C	-2.74	119.19	126.94
17	2	315	CLA	C3B-C4B-NB	2.74	112.75	109.21
17	2	311	CLA	CAC-C3C-C4C	2.74	128.35	124.79
17	4	304	CLA	C4C-C3C-C2C	-2.73	102.91	106.89
17	B	834	CLA	CHC-C1C-C2C	-2.73	119.20	126.94
17	1	302	CLA	CED-O2D-CGD	2.73	122.11	115.92
17	A	808	CLA	CAA-C2A-C3A	-2.73	105.62	113.00
17	O	203	CLA	C2A-C1A-CHA	-2.73	119.13	123.86
17	B	804	CLA	CMA-C3A-C4A	-2.73	104.43	111.77
16	A	801	CL0	C4C-C3C-C2C	-2.73	102.92	106.89
17	5	310	CLA	C2A-C1A-CHA	-2.73	119.13	123.86
17	1	310	CLA	O2D-CGD-O1D	-2.73	118.54	123.85
17	B	823	CLA	CMC-C2C-C1C	2.73	129.30	125.03
17	3	305	CLA	C1-O2A-CGA	2.73	123.25	116.65
17	1	306	CLA	C3B-C4B-NB	2.73	112.73	109.21
17	1	309	CLA	C4C-C3C-C2C	-2.73	102.92	106.89
17	1	306	CLA	C4C-C3C-C2C	-2.73	102.92	106.89
17	4	311	CLA	C4C-C3C-C2C	-2.73	102.92	106.89
17	B	812	CLA	CED-O2D-CGD	2.73	122.10	115.92
17	1	306	CLA	C1-O2A-CGA	2.72	123.24	116.65
17	5	304	CLA	C5-C3-C2	2.72	127.28	121.17
17	5	302	CLA	O2D-CGD-O1D	-2.72	118.55	123.85
17	L	202	CLA	C4-C3-C5	2.72	119.95	115.23
17	1	301	CLA	O2D-CGD-O1D	-2.72	118.55	123.85
17	B	817	CLA	O2D-CGD-O1D	-2.72	118.56	123.85
17	B	836	CLA	CMB-C2B-C3B	2.72	130.12	124.68
17	B	812	CLA	C4-C3-C5	2.72	119.95	115.23
25	4	313	5X6	C41-C17-C16	-2.72	113.94	118.09
17	A	828	CLA	CMB-C2B-C3B	2.72	130.11	124.68
20	A	857	BCR	C34-C9-C8	2.72	122.24	118.09
20	O	202	BCR	C15-C16-C17	2.72	129.07	123.52
17	B	833	CLA	C4C-C3C-C2C	-2.72	102.94	106.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	3	314	CLA	C4C-C3C-C2C	-2.72	102.94	106.89
17	3	308	CLA	C4C-C3C-C2C	-2.71	102.94	106.89
17	4	311	CLA	O2D-CGD-O1D	-2.71	118.57	123.85
17	B	827	CLA	CMB-C2B-C3B	2.71	130.10	124.68
17	1	309	CLA	CHD-C4C-NC	2.71	128.44	124.23
17	A	803	CLA	C2A-C1A-CHA	-2.71	119.16	123.87
17	1	301	CLA	CMC-C2C-C1C	2.71	129.27	125.03
17	A	814	CLA	C2A-C1A-CHA	-2.71	119.16	123.87
17	B	819	CLA	C2A-C1A-CHA	-2.71	119.16	123.87
17	3	307	CLA	CHC-C1C-C2C	-2.71	119.26	126.94
17	B	834	CLA	C3B-C4B-NB	2.71	112.71	109.21
17	A	825	CLA	CHC-C1C-C2C	-2.71	119.27	126.94
17	3	312	CLA	C4C-C3C-C2C	-2.71	102.95	106.89
17	1	305	CLA	CMC-C2C-C1C	2.71	129.27	125.03
17	A	804	CLA	CHB-C4A-NA	2.71	128.31	124.40
17	4	307	CLA	CHB-C4A-NA	2.71	128.31	124.40
17	2	315	CLA	C4C-C3C-C2C	-2.71	102.95	106.89
17	4	308	CLA	C4C-C3C-C2C	-2.71	102.95	106.89
17	B	841	CLA	CHD-C4C-NC	2.71	128.43	124.23
17	4	308	CLA	CHC-C1C-C2C	-2.71	119.28	126.94
17	4	308	CLA	C2A-C1A-CHA	-2.71	119.17	123.87
17	5	312	CLA	C3B-C4B-NB	2.71	112.71	109.21
17	4	306	CLA	C3B-C4B-NB	2.70	112.71	109.21
16	A	801	CL0	CHD-C1D-ND	-2.70	121.00	124.80
17	B	827	CLA	C2A-C1A-CHA	-2.70	119.18	123.87
17	1	307	CLA	C2A-C1A-CHA	-2.70	119.18	123.87
17	2	308	CLA	CMC-C2C-C1C	2.70	129.26	125.03
17	A	818	CLA	C4C-C3C-C2C	-2.70	102.96	106.89
17	5	305	CLA	CHD-C4C-NC	2.70	128.42	124.23
17	A	813	CLA	CHB-C4A-NA	2.70	128.30	124.40
17	4	307	CLA	C3B-C4B-NB	2.70	112.70	109.21
17	A	856	CLA	C2A-C1A-CHA	-2.70	119.18	123.87
17	B	811	CLA	O2D-CGD-O1D	-2.70	118.59	123.85
17	A	835	CLA	CHC-C1C-C2C	-2.70	119.29	126.94
17	B	819	CLA	CMB-C2B-C3B	2.70	130.08	124.68
17	A	852	CLA	CHC-C1C-C2C	-2.70	119.30	126.94
17	B	805	CLA	C3B-C4B-NB	2.70	112.70	109.21
17	5	312	CLA	CHC-C1C-C2C	-2.70	119.30	126.94
17	A	807	CLA	CBA-CAA-C2A	2.70	121.82	113.79
17	B	806	CLA	CAA-C2A-C1A	-2.70	103.14	111.97
17	O	204	CLA	C4C-C3C-C2C	-2.70	102.97	106.89
17	A	824	CLA	CHC-C1C-C2C	-2.69	119.31	126.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	F	205	5X6	O08-C06-C05	-2.69	104.24	109.75
17	A	802	CLA	C4-C3-C5	2.69	119.90	115.23
17	A	839	CLA	O2D-CGD-O1D	-2.69	118.61	123.85
17	A	854	CLA	C3B-C4B-NB	2.69	112.69	109.21
17	O	204	CLA	C3B-C4B-NB	2.69	112.69	109.21
17	2	305	CLA	C4C-C3C-C2C	-2.69	102.98	106.89
17	2	310	CLA	CHC-C1C-C2C	-2.69	119.33	126.94
20	B	843	BCR	C37-C22-C23	2.69	122.19	118.09
17	F	204	CLA	O2D-CGD-O1D	-2.69	118.62	123.85
17	5	305	CLA	O2A-CGA-O1A	-2.68	116.91	123.63
17	B	806	CLA	C1D-CHD-C4C	-2.68	120.31	126.02
17	A	826	CLA	C1D-CHD-C4C	-2.68	120.32	126.02
17	B	808	CLA	CHC-C1C-C2C	-2.68	119.35	126.94
17	B	833	CLA	O2A-CGA-CBA	2.68	120.00	111.83
17	3	315	CLA	O2A-CGA-CBA	2.68	120.00	111.83
17	1	304	CLA	C1C-C2C-C3C	-2.68	104.17	106.98
17	1	301	CLA	C3B-C4B-NB	2.68	112.67	109.21
17	A	828	CLA	C4C-C3C-C2C	-2.68	103.00	106.89
17	2	309	CLA	C2A-C1A-CHA	-2.68	119.22	123.87
17	B	826	CLA	CMB-C2B-C3B	2.68	130.03	124.68
17	B	826	CLA	CBC-CAC-C3C	-2.67	105.17	112.42
17	A	832	CLA	C2A-C1A-CHA	-2.67	119.23	123.87
20	A	846	BCR	C15-C16-C17	2.67	128.99	123.52
17	A	853	CLA	CMC-C2C-C1C	2.67	129.21	125.03
17	3	307	CLA	CHD-C4C-NC	2.67	128.37	124.23
17	B	819	CLA	CHD-C4C-NC	2.67	128.37	124.23
17	A	852	CLA	C6-C7-C8	-2.67	107.10	115.97
17	A	810	CLA	CED-O2D-CGD	2.67	121.97	115.92
17	4	306	CLA	C2A-C1A-CHA	-2.67	119.24	123.87
17	1	309	CLA	CED-O2D-CGD	2.66	121.96	115.92
17	5	304	CLA	O2D-CGD-O1D	-2.66	118.66	123.85
17	B	820	CLA	C1B-CHB-C4A	-2.66	124.96	130.04
17	2	315	CLA	CHD-C4C-NC	2.66	128.36	124.23
17	A	827	CLA	CBC-CAC-C3C	-2.66	105.20	112.42
17	2	314	CLA	CHC-C1C-C2C	-2.66	119.40	126.94
17	A	859	CLA	O2D-CGD-O1D	-2.66	118.67	123.85
17	B	805	CLA	CHC-C1C-C2C	-2.66	119.41	126.94
17	B	835	CLA	CED-O2D-CGD	2.66	121.95	115.92
17	A	812	CLA	O2A-CGA-CBA	2.66	119.94	111.83
17	A	822	CLA	CHC-C1C-C2C	-2.66	119.41	126.94
20	A	845	BCR	C37-C22-C23	2.66	122.15	118.09
17	B	808	CLA	C4A-NA-C1A	-2.66	105.47	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	3	315	CLA	C2A-C1A-CHA	-2.66	119.25	123.87
20	A	843	BCR	C30-C25-C26	-2.66	119.01	122.64
17	5	306	CLA	O2D-CGD-O1D	-2.66	118.68	123.85
17	A	826	CLA	CMA-C3A-C2A	-2.65	103.72	113.98
20	A	844	BCR	C37-C22-C23	2.65	122.14	118.09
17	B	804	CLA	CMC-C2C-C1C	2.65	129.18	125.03
17	A	803	CLA	CAA-CBA-CGA	-2.65	105.67	113.21
17	A	811	CLA	C4-C3-C5	2.65	119.83	115.23
17	B	837	CLA	O2A-CGA-CBA	2.65	119.92	111.83
17	5	306	CLA	CHB-C4A-NA	2.65	128.22	124.40
17	B	857	CLA	C1-C2-C3	-2.65	121.86	126.20
25	5	318	5X6	C38-C30-C31	-2.65	109.55	114.42
20	L	206	BCR	C36-C18-C17	-2.65	118.53	122.82
17	B	802	CLA	C1B-CHB-C4A	-2.65	124.99	130.04
17	A	804	CLA	C4C-C3C-C2C	-2.65	103.04	106.89
25	2	321	5X6	C38-C30-C31	-2.64	109.56	114.42
17	O	203	CLA	C4C-C3C-C2C	-2.64	103.05	106.89
17	A	808	CLA	C3B-C4B-NB	2.64	112.62	109.21
17	A	819	CLA	CED-O2D-CGD	2.64	121.90	115.92
17	B	822	CLA	CHC-C1C-C2C	-2.64	119.47	126.94
17	B	825	CLA	CHD-C1D-ND	-2.64	121.09	124.80
17	3	315	CLA	CHD-C4C-NC	2.64	128.32	124.23
17	B	830	CLA	C1-O2A-CGA	2.64	123.03	116.65
17	B	826	CLA	C1D-CHD-C4C	-2.64	120.42	126.02
20	B	846	BCR	C19-C18-C17	2.64	123.16	119.01
17	A	804	CLA	CMB-C2B-C3B	2.63	129.95	124.68
17	B	810	CLA	OBD-CAD-C3D	-2.63	122.26	128.42
17	A	820	CLA	C4C-C3C-C2C	-2.63	103.06	106.89
17	B	807	CLA	O2D-CGD-CBD	2.63	115.83	111.23
18	A	840	PQN	C11-C3-C2	-2.63	120.38	124.89
17	A	809	CLA	C4C-C3C-C2C	-2.63	103.06	106.89
17	4	303	CLA	CMC-C2C-C1C	2.63	129.15	125.03
17	4	305	CLA	CHD-C4C-NC	2.63	128.31	124.23
25	3	318	5X6	C11-C03-C02	-2.63	115.50	121.56
17	B	828	CLA	C4-C3-C5	2.63	119.79	115.23
17	B	817	CLA	CHC-C1C-C2C	-2.63	119.49	126.94
17	L	204	CLA	O2A-CGA-CBA	2.63	119.86	111.83
17	A	815	CLA	O2A-CGA-CBA	2.63	119.85	111.83
17	A	824	CLA	CAA-C2A-C3A	-2.63	105.89	113.00
20	I	101	BCR	C29-C30-C25	2.63	114.26	110.44
25	3	318	5X6	C40-C22-C23	-2.63	114.07	118.09
17	B	821	CLA	CHD-C4C-NC	2.63	128.31	124.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	4	304	CLA	CHC-C1C-C2C	-2.63	119.50	126.94
17	B	810	CLA	O2D-CGD-O1D	-2.63	118.74	123.85
25	1	312	5X6	C40-C22-C23	-2.63	114.08	118.09
17	O	204	CLA	C1-C2-C3	-2.63	122.51	126.76
17	A	820	CLA	CMC-C2C-C1C	2.63	129.14	125.03
17	B	836	CLA	CHC-C1C-C2C	-2.63	119.51	126.94
20	B	847	BCR	C37-C22-C21	-2.63	118.56	122.82
25	5	318	5X6	C12-C11-C03	-2.62	119.99	127.00
17	A	808	CLA	CBC-CAC-C3C	-2.62	105.31	112.42
17	B	817	CLA	CHD-C4C-NC	2.62	128.29	124.23
17	B	833	CLA	OBD-CAD-C3D	-2.62	122.29	128.42
17	1	311	CLA	CMC-C2C-C1C	2.62	129.13	125.03
17	B	833	CLA	C2A-C1A-CHA	-2.62	119.32	123.87
17	A	808	CLA	O2A-CGA-CBA	2.62	119.82	111.83
17	5	311	CLA	O2D-CGD-O1D	-2.62	118.75	123.85
25	F	205	5X6	C07-C02-C03	-2.62	115.38	120.76
20	A	857	BCR	C36-C18-C17	-2.62	118.58	122.82
17	B	807	CLA	O2A-CGA-CBA	2.62	119.81	111.83
17	K	102	CLA	C1-O2A-CGA	2.62	122.98	116.65
17	5	314	CLA	C3B-C4B-NB	2.62	112.59	109.21
17	5	311	CLA	CMC-C2C-C1C	2.62	129.12	125.03
17	3	315	CLA	O2D-CGD-O1D	-2.62	118.76	123.85
17	B	841	CLA	CED-O2D-CGD	2.62	121.85	115.92
17	A	825	CLA	C1C-C2C-C3C	-2.62	104.23	106.98
17	2	307	CLA	C4C-C3C-C2C	-2.62	103.08	106.89
17	3	305	CLA	CHC-C1C-C2C	-2.61	119.54	126.94
20	A	857	BCR	C34-C9-C10	-2.61	118.58	122.82
17	5	309	CLA	CHC-C1C-C2C	-2.61	119.54	126.94
17	A	824	CLA	C1B-CHB-C4A	-2.61	125.06	130.04
17	B	834	CLA	C1-O2A-CGA	2.61	122.97	116.65
25	1	313	5X6	C41-C17-C16	-2.61	114.10	118.09
17	3	312	CLA	O2D-CGD-O1D	-2.61	118.77	123.85
17	B	837	CLA	CHC-C1C-C2C	-2.61	119.55	126.94
17	5	309	CLA	C4C-C3C-C2C	-2.61	103.09	106.89
20	M	101	BCR	C10-C11-C12	2.61	130.76	123.20
17	A	813	CLA	C1B-CHB-C4A	-2.61	125.07	130.04
17	5	314	CLA	CHD-C4C-NC	2.61	128.28	124.23
25	1	314	5X6	C39-C26-C27	-2.61	114.11	118.09
17	B	826	CLA	C1-O2A-CGA	2.61	122.96	116.65
17	4	304	CLA	O2A-CGA-O1A	-2.61	117.11	123.63
17	5	304	CLA	C4C-C3C-C2C	-2.61	103.10	106.89
17	5	305	CLA	C4C-C3C-C2C	-2.61	103.10	106.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	1	304	CLA	CED-O2D-CGD	2.61	121.83	115.92
17	3	310	CLA	C2A-C1A-CHA	-2.60	119.35	123.87
17	B	824	CLA	C1-O2A-CGA	2.60	122.95	116.65
17	B	834	CLA	CHB-C4A-NA	2.60	128.16	124.40
17	A	852	CLA	CED-O2D-CGD	2.60	121.82	115.92
17	1	302	CLA	CAC-C3C-C4C	2.60	128.17	124.79
17	2	304	CLA	O2D-CGD-O1D	-2.60	118.79	123.85
17	A	839	CLA	C4-C3-C5	2.60	119.74	115.23
17	A	823	CLA	O1D-CGD-CBD	-2.60	119.39	124.52
17	B	821	CLA	CED-O2D-CGD	2.60	121.81	115.92
17	1	310	CLA	C2A-C1A-CHA	-2.60	119.36	123.87
17	2	312	CLA	C2A-C1A-CHA	-2.60	119.36	123.86
17	A	811	CLA	C4A-NA-C1A	-2.60	105.49	106.68
17	A	818	CLA	C2A-C1A-CHA	-2.60	119.36	123.87
17	B	812	CLA	C2A-C1A-CHA	-2.60	119.36	123.87
17	4	307	CLA	O2D-CGD-O1D	-2.59	118.80	123.85
17	A	804	CLA	OBD-CAD-C3D	-2.59	122.35	128.42
20	A	844	BCR	C2-C1-C6	2.59	114.21	110.44
17	A	818	CLA	O2A-CGA-CBA	2.59	119.74	111.83
17	A	830	CLA	O2D-CGD-O1D	-2.59	118.80	123.85
17	B	818	CLA	CMC-C2C-C1C	2.59	129.09	125.03
17	B	838	CLA	O2A-CGA-O1A	-2.59	117.14	123.63
17	O	204	CLA	CED-O2D-CGD	2.59	121.80	115.92
20	B	843	BCR	C36-C18-C17	-2.59	118.62	122.82
20	K	104	BCR	C34-C9-C10	-2.59	118.62	122.82
17	2	314	CLA	C3B-C4B-NB	2.59	112.56	109.21
17	B	835	CLA	CHD-C4C-NC	2.59	128.25	124.23
17	3	310	CLA	CHD-C4C-NC	2.59	128.25	124.23
17	5	311	CLA	CHD-C4C-NC	2.59	128.25	124.23
17	L	203	CLA	CMB-C2B-C3B	2.59	129.86	124.68
17	A	835	CLA	CMB-C2B-C3B	2.59	129.86	124.68
17	3	311	CLA	CHC-C1C-C2C	-2.59	119.61	126.94
17	B	822	CLA	C4C-C3C-C2C	-2.59	103.12	106.89
17	1	303	CLA	CAC-C3C-C4C	2.59	128.16	124.79
17	O	203	CLA	CHD-C4C-NC	2.59	128.24	124.23
17	5	309	CLA	C2A-C1A-CHA	-2.59	119.38	123.87
17	5	302	CLA	C2A-C1A-CHA	-2.58	119.38	123.87
17	3	313	CLA	CHD-C4C-NC	2.58	128.24	124.23
20	B	848	BCR	C15-C16-C17	2.58	128.80	123.52
17	B	805	CLA	O1D-CGD-CBD	-2.58	119.42	124.52
17	5	312	CLA	O2D-CGD-O1D	-2.58	118.82	123.85
25	2	319	5X6	C38-C30-C31	-2.58	109.68	114.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	L	204	CLA	C3B-C4B-NB	2.58	112.55	109.21
17	4	308	CLA	C3B-C4B-NB	2.58	112.55	109.21
17	A	854	CLA	CHC-C1C-C2C	-2.58	119.64	126.94
17	A	833	CLA	C1B-CHB-C4A	-2.58	125.12	130.04
17	B	857	CLA	CHC-C1C-C2C	-2.58	119.64	126.94
17	A	821	CLA	CMC-C2C-C1C	2.58	129.06	125.03
17	A	820	CLA	C2A-C1A-CHA	-2.58	119.39	123.87
17	B	820	CLA	CHB-C4A-NA	2.58	128.12	124.40
17	2	313	CLA	C2A-C1A-CHA	-2.58	119.39	123.87
17	A	807	CLA	CHC-C1C-C2C	-2.58	119.64	126.94
17	A	811	CLA	CMB-C2B-C3B	2.58	129.83	124.68
17	3	305	CLA	C4C-C3C-C2C	-2.57	103.14	106.89
17	5	307	CLA	CHD-C4C-NC	2.57	128.22	124.23
17	A	823	CLA	O2D-CGD-O1D	-2.57	118.84	123.85
17	5	304	CLA	CHB-C4A-NA	2.57	128.11	124.40
25	1	314	5X6	C34-C29-C30	-2.57	119.12	122.64
17	J	103	CLA	CHB-C4A-NA	2.57	128.11	124.40
17	B	821	CLA	C3B-C4B-NB	2.57	112.53	109.21
17	B	827	CLA	O1D-CGD-CBD	-2.57	119.45	124.52
17	5	304	CLA	CHD-C4C-NC	2.57	128.21	124.23
17	4	309	CLA	O2D-CGD-O1D	-2.57	118.85	123.85
17	A	834	CLA	C4-C3-C2	-2.57	117.03	123.63
17	A	859	CLA	C2A-C1A-CHA	-2.57	119.41	123.87
17	A	831	CLA	C4-C3-C2	-2.57	117.04	123.63
17	A	833	CLA	C4C-C3C-C2C	-2.57	103.16	106.89
17	2	313	CLA	O2D-CGD-O1D	-2.57	118.85	123.85
17	B	832	CLA	C4A-NA-C1A	-2.56	105.51	106.68
17	4	305	CLA	CMB-C2B-C3B	2.56	129.81	124.68
17	K	103	CLA	CMC-C2C-C1C	2.56	129.04	125.03
25	5	318	5X6	C35-C34-C29	2.56	114.26	110.24
17	B	829	CLA	C1-O2A-CGA	2.56	122.85	116.65
17	2	310	CLA	CHD-C4C-NC	2.56	128.20	124.23
17	4	308	CLA	O2D-CGD-O1D	-2.56	118.87	123.85
17	1	311	CLA	O1D-CGD-CBD	-2.56	119.47	124.52
17	B	818	CLA	C1B-CHB-C4A	-2.56	125.16	130.04
17	A	833	CLA	CBC-CAC-C3C	-2.56	105.49	112.42
17	A	830	CLA	CBC-CAC-C3C	-2.56	105.49	112.42
17	3	314	CLA	O2D-CGD-O1D	-2.56	118.87	123.85
17	5	308	CLA	CHD-C4C-NC	2.56	128.19	124.23
17	2	314	CLA	O2D-CGD-O1D	-2.56	118.87	123.85
16	A	801	CL0	CHB-C4A-NA	2.55	128.09	124.40
17	3	313	CLA	C2A-C1A-CHA	-2.55	119.44	123.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	2	306	CLA	CHD-C4C-NC	2.55	128.19	124.23
17	A	823	CLA	CHD-C1D-ND	-2.55	121.21	124.80
22	A	848	LMT	C1B-O1B-C4'	2.55	124.03	117.98
17	B	830	CLA	C4C-C3C-C2C	-2.55	103.18	106.89
17	4	304	CLA	O1D-CGD-CBD	-2.55	119.49	124.52
17	A	802	CLA	C2A-C1A-CHA	-2.55	119.44	123.87
25	4	314	5X6	C34-C29-C30	-2.55	119.15	122.64
17	A	837	CLA	C2A-C1A-CHA	-2.55	119.44	123.87
17	A	804	CLA	CBC-CAC-C3C	-2.55	105.51	112.42
17	5	303	CLA	CAC-C3C-C4C	2.55	128.11	124.79
17	B	833	CLA	C1-O2A-CGA	2.55	122.82	116.65
17	A	828	CLA	CBC-CAC-C3C	-2.55	105.51	112.42
17	A	803	CLA	C1D-CHD-C4C	-2.55	120.60	126.02
17	2	309	CLA	CHD-C4C-NC	2.55	128.18	124.23
17	5	313	CLA	CHB-C4A-NA	2.55	128.08	124.40
20	K	104	BCR	C37-C22-C23	2.55	121.98	118.09
17	B	824	CLA	C1-C2-C3	-2.55	122.03	126.20
17	A	825	CLA	CHD-C4C-NC	2.55	128.18	124.23
17	L	204	CLA	C2A-C1A-CHA	-2.54	119.45	123.87
17	B	840	CLA	CAA-CBA-CGA	-2.54	105.98	113.21
20	A	846	BCR	C36-C18-C17	-2.54	118.69	122.82
17	B	825	CLA	C1-O2A-CGA	2.54	122.81	116.65
17	B	824	CLA	CHB-C4A-NA	2.54	128.07	124.40
17	B	815	CLA	C5-C3-C2	-2.54	115.46	121.17
17	A	823	CLA	C1-C2-C3	-2.54	122.03	126.20
17	B	832	CLA	C2A-C1A-CHA	-2.54	119.46	123.87
17	5	307	CLA	O2D-CGD-O1D	-2.54	118.90	123.85
17	A	824	CLA	C2A-C1A-CHA	-2.54	119.46	123.87
17	1	303	CLA	CMC-C2C-C1C	2.54	129.00	125.03
17	L	203	CLA	CBC-CAC-C3C	-2.54	105.54	112.42
17	B	804	CLA	CMB-C2B-C3B	2.54	129.75	124.68
17	A	827	CLA	CHC-C1C-C2C	-2.54	119.76	126.94
17	4	305	CLA	CED-O2D-CGD	2.54	121.67	115.92
17	A	811	CLA	O2D-CGD-O1D	-2.53	118.92	123.85
16	A	801	CL0	C1-O2A-CGA	2.53	122.78	116.65
17	5	312	CLA	CHD-C4C-NC	2.53	128.16	124.23
25	2	319	5X6	C14-C15-C16	-2.53	115.86	123.20
20	B	844	BCR	C15-C14-C13	2.53	130.83	127.28
17	A	804	CLA	C4A-NA-C1A	-2.53	105.52	106.68
24	B	849	DGD	O3G-C1D-C2D	2.53	112.12	108.27
17	B	820	CLA	C3B-C4B-NB	2.53	112.48	109.21
17	B	834	CLA	CHD-C4C-NC	2.53	128.15	124.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	2	311	CLA	O2A-CGA-CBA	2.53	119.54	111.83
17	A	825	CLA	CMB-C2B-C3B	2.53	129.73	124.68
17	A	834	CLA	CMB-C2B-C3B	2.53	129.73	124.68
17	L	202	CLA	O2A-CGA-CBA	2.53	119.54	111.83
17	1	311	CLA	O2D-CGD-O1D	-2.53	118.93	123.85
17	A	818	CLA	CMB-C2B-C3B	2.52	129.73	124.68
17	4	311	CLA	CHD-C4C-NC	2.52	128.15	124.23
17	A	826	CLA	CHC-C1C-C2C	-2.52	119.80	126.94
17	A	852	CLA	C1D-CHD-C4C	-2.52	120.66	126.02
17	O	204	CLA	CHD-C4C-NC	2.52	128.14	124.23
17	A	828	CLA	O1D-CGD-CBD	-2.52	119.55	124.52
17	5	309	CLA	CMB-C2B-C3B	2.52	129.72	124.68
17	B	820	CLA	CMB-C2B-C3B	2.52	129.72	124.68
17	B	823	CLA	O1D-CGD-CBD	-2.52	119.55	124.52
17	B	806	CLA	C6-C5-C3	-2.52	107.33	113.47
17	K	103	CLA	C2A-C1A-CHA	-2.52	119.50	123.87
17	B	835	CLA	C4C-C3C-C2C	-2.52	103.23	106.89
17	A	811	CLA	CHC-C1C-C2C	-2.52	119.81	126.94
25	5	315	5X6	C41-C17-C16	-2.52	114.24	118.09
17	A	822	CLA	C1-O2A-CGA	2.52	122.74	116.65
17	A	818	CLA	CBC-CAC-C3C	-2.52	105.60	112.42
20	L	206	BCR	C37-C22-C23	2.52	121.93	118.09
17	A	818	CLA	O2D-CGD-O1D	-2.52	118.95	123.85
17	2	314	CLA	CHD-C4C-NC	2.52	128.13	124.23
17	A	839	CLA	O2A-CGA-CBA	2.51	119.50	111.83
17	B	835	CLA	C3B-C4B-NB	2.51	112.46	109.21
17	2	307	CLA	C3B-C4B-NB	2.51	112.46	109.21
17	A	829	CLA	CBC-CAC-C3C	-2.51	105.60	112.42
17	1	303	CLA	CHD-C4C-NC	2.51	128.13	124.23
17	4	304	CLA	CED-O2D-CGD	2.51	121.62	115.92
17	A	821	CLA	O2A-CGA-CBA	2.51	119.50	111.83
17	2	309	CLA	C3C-C4C-NC	2.51	113.65	110.43
17	A	856	CLA	C4C-C3C-C2C	-2.51	103.23	106.89
17	A	835	CLA	O2D-CGD-O1D	-2.51	118.96	123.85
17	B	834	CLA	C4-C3-C5	2.51	119.58	115.23
17	B	820	CLA	C2A-C1A-CHA	-2.51	119.51	123.87
17	A	821	CLA	C3B-C4B-NB	2.51	112.45	109.21
17	2	304	CLA	CAC-C3C-C4C	2.51	128.05	124.79
16	A	801	CL0	C4A-NA-C1A	-2.51	105.54	106.68
17	B	837	CLA	CMB-C2B-C3B	2.51	129.69	124.68
17	A	856	CLA	CHD-C4C-NC	2.50	128.12	124.23
17	5	305	CLA	CBC-CAC-C3C	-2.50	105.63	112.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	814	CLA	O2D-CGD-O1D	-2.50	118.98	123.85
17	B	815	CLA	CMB-C2B-C3B	2.50	129.68	124.68
17	3	314	CLA	CHD-C4C-NC	2.50	128.11	124.23
17	L	203	CLA	C1-O2A-CGA	2.50	122.70	116.65
17	2	314	CLA	C2A-C1A-CHA	-2.50	119.53	123.87
17	5	305	CLA	CHB-C4A-NA	2.50	128.00	124.40
17	3	309	CLA	CHD-C4C-NC	2.50	128.10	124.23
17	B	825	CLA	C2A-C1A-CHA	-2.50	119.53	123.87
17	A	812	CLA	CHD-C4C-NC	2.49	128.10	124.23
17	A	825	CLA	C2A-C1A-CHA	-2.49	119.54	123.87
17	4	304	CLA	CAC-C3C-C4C	2.49	128.03	124.79
17	2	308	CLA	O2D-CGD-O1D	-2.49	119.00	123.85
17	F	204	CLA	O1D-CGD-CBD	-2.49	119.61	124.52
17	B	802	CLA	C6-C5-C3	2.49	119.52	113.47
25	2	317	5X6	C34-C29-C30	-2.48	119.24	122.64
17	A	855	CLA	O2A-CGA-CBA	2.48	119.41	111.83
17	1	303	CLA	C5-C3-C2	-2.48	115.59	121.17
17	A	819	CLA	C1-O2A-CGA	2.48	122.66	116.65
20	B	845	BCR	C15-C14-C13	2.48	130.76	127.28
17	B	841	CLA	C2A-C1A-CHA	-2.48	119.56	123.87
17	3	309	CLA	C2A-C1A-CHA	-2.48	119.56	123.87
17	B	816	CLA	O2A-CGA-CBA	2.48	119.40	111.83
17	B	805	CLA	CHB-C4A-NA	2.48	127.98	124.40
17	5	307	CLA	C3B-C4B-NB	2.48	112.42	109.21
17	3	312	CLA	CED-O2D-CGD	2.48	121.54	115.92
16	A	801	CL0	C2A-C1A-CHA	-2.48	119.56	123.87
17	2	305	CLA	CHC-C1C-C2C	-2.48	119.92	126.94
17	1	304	CLA	O2D-CGD-O1D	-2.48	119.03	123.85
17	A	831	CLA	OBD-CAD-C3D	-2.48	122.62	128.42
25	2	321	5X6	C28-C29-C30	-2.48	115.85	121.56
17	3	306	CLA	O2D-CGD-O1D	-2.48	119.03	123.85
17	1	310	CLA	C3B-C4B-NB	2.48	112.41	109.21
17	A	855	CLA	C2A-C1A-CHA	-2.48	119.57	123.87
17	4	304	CLA	C1-C2-C3	-2.47	122.14	126.20
17	B	813	CLA	C3B-C4B-NB	2.47	112.41	109.21
25	1	313	5X6	C01-C02-C07	-2.47	109.88	114.42
17	B	832	CLA	CMC-C2C-C1C	2.47	128.90	125.03
17	O	203	CLA	O2D-CGD-O1D	-2.47	119.04	123.85
17	A	818	CLA	C4-C3-C5	2.47	119.52	115.23
17	5	305	CLA	CHC-C1C-C2C	-2.47	119.94	126.94
16	A	801	CL0	CMA-C3A-C4A	-2.47	105.13	111.77
17	3	307	CLA	C1-O2A-CGA	2.47	122.63	116.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	819	CLA	CMC-C2C-C1C	2.47	128.89	125.03
17	1	308	CLA	CED-O2D-CGD	2.47	121.51	115.92
17	4	310	CLA	CHD-C4C-NC	2.47	128.06	124.23
17	2	304	CLA	CBC-CAC-C3C	-2.47	105.73	112.42
17	B	802	CLA	O2A-C1-C2	2.47	117.60	108.11
17	B	832	CLA	CAC-C3C-C4C	2.46	128.00	124.79
17	A	805	CLA	O2A-CGA-O1A	-2.46	117.46	123.63
17	5	306	CLA	CED-O2D-CGD	2.46	121.50	115.92
17	4	308	CLA	CED-O2D-CGD	2.46	121.50	115.92
17	4	310	CLA	C2A-C1A-CHA	-2.46	119.59	123.87
17	B	823	CLA	CHD-C4C-NC	2.46	128.05	124.23
20	O	202	BCR	C34-C9-C10	-2.46	118.83	122.82
17	B	801	CLA	CMB-C2B-C3B	2.46	129.60	124.68
17	B	839	CLA	C2A-C1A-CHA	-2.46	119.60	123.87
17	A	856	CLA	CHB-C4A-NA	2.46	127.95	124.40
17	A	821	CLA	C1-C2-C3	-2.46	122.17	126.20
17	5	309	CLA	CAA-C2A-C3A	-2.46	106.35	113.00
17	B	857	CLA	C3B-C4B-NB	2.46	112.39	109.21
17	1	306	CLA	O2D-CGD-O1D	-2.46	119.06	123.85
17	3	313	CLA	O2D-CGD-O1D	-2.46	119.06	123.85
17	B	820	CLA	CAA-C2A-C3A	-2.46	106.36	113.00
20	B	843	BCR	C34-C9-C10	-2.46	118.84	122.82
17	A	852	CLA	O2D-CGD-CBD	2.46	115.52	111.23
17	1	307	CLA	O2A-CGA-CBA	2.46	119.32	111.83
17	B	808	CLA	C1-C2-C3	-2.45	122.17	126.20
17	B	840	CLA	CHB-C4A-NA	2.45	127.94	124.40
17	B	828	CLA	O2A-CGA-CBA	2.45	119.32	111.83
17	B	819	CLA	C1-C2-C3	-2.45	122.18	126.20
25	5	301	5X6	C01-C02-C07	-2.45	109.91	114.42
17	2	315	CLA	C2A-C1A-CHA	-2.45	119.61	123.87
17	A	824	CLA	C4-C3-C5	2.45	119.48	115.23
18	A	840	PQN	C2M-C2-C1	2.45	121.19	116.68
17	A	817	CLA	CAA-C2A-C3A	-2.45	106.38	113.00
17	2	307	CLA	CHD-C4C-NC	2.45	128.03	124.23
17	B	837	CLA	CED-O2D-CGD	2.45	121.47	115.92
16	A	801	CL0	CMB-C2B-C3B	2.45	129.57	124.68
17	A	852	CLA	CMB-C2B-C3B	2.45	129.57	124.68
17	1	305	CLA	CMB-C2B-C3B	2.45	129.57	124.68
17	B	835	CLA	C1B-CHB-C4A	-2.44	125.38	130.04
17	B	816	CLA	CBC-CAC-C3C	-2.44	105.80	112.42
17	B	838	CLA	C2A-C1A-CHA	-2.44	119.63	123.87
17	2	305	CLA	O2A-CGA-CBA	2.44	119.28	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	3	308	CLA	O2D-CGD-O1D	-2.44	119.09	123.85
24	B	849	DGD	O1G-C1A-C2A	2.44	119.28	111.83
17	5	305	CLA	CAA-CBA-CGA	2.44	120.14	113.21
17	5	312	CLA	C2A-C1A-CHA	-2.44	119.63	123.87
17	L	202	CLA	CHD-C4C-NC	2.44	128.02	124.23
17	B	810	CLA	C4A-NA-C1A	-2.44	105.57	106.68
17	A	832	CLA	CED-O2D-CGD	2.44	121.45	115.92
17	5	303	CLA	C4-C3-C2	-2.44	117.37	123.63
17	A	853	CLA	O2A-CGA-O1A	-2.44	117.53	123.63
17	L	202	CLA	CBA-CAA-C2A	2.44	121.04	113.79
17	A	817	CLA	O2A-CGA-CBA	2.44	119.26	111.83
17	A	829	CLA	CHD-C4C-NC	2.44	128.01	124.23
17	2	316	CLA	CHD-C4C-NC	2.44	128.01	124.23
17	3	311	CLA	O1D-CGD-CBD	-2.44	119.71	124.52
17	A	824	CLA	OBD-CAD-C3D	-2.43	122.73	128.42
17	A	818	CLA	CHD-C4C-NC	2.43	128.01	124.23
17	A	834	CLA	O2A-CGA-CBA	2.43	119.26	111.83
17	A	830	CLA	C4-C3-C5	2.43	119.45	115.23
17	B	809	CLA	C4-C3-C5	2.43	119.45	115.23
17	2	304	CLA	CAA-C2A-C1A	2.43	119.95	111.97
17	B	824	CLA	CMB-C2B-C3B	2.43	129.54	124.68
17	B	817	CLA	C1-O2A-CGA	2.43	122.54	116.65
17	3	306	CLA	CHD-C4C-NC	2.43	128.00	124.23
17	B	807	CLA	C4-C3-C2	-2.43	117.39	123.63
25	5	317	5X6	C01-C02-C07	-2.43	109.95	114.42
17	A	838	CLA	CAA-C2A-C3A	-2.43	106.43	113.00
17	2	304	CLA	C4C-C3C-C2C	-2.43	103.36	106.89
17	A	831	CLA	C2A-C1A-CHA	-2.43	119.65	123.87
17	B	827	CLA	OBD-CAD-C3D	-2.43	122.74	128.42
17	B	809	CLA	CMB-C2B-C1B	2.43	132.01	128.46
17	2	310	CLA	CAA-C2A-C3A	-2.43	106.44	113.00
17	B	823	CLA	CMB-C2B-C3B	2.43	129.53	124.68
17	2	311	CLA	CHC-C1C-C2C	-2.43	120.07	126.94
17	A	822	CLA	CHD-C4C-NC	2.43	127.99	124.23
17	B	829	CLA	CMA-C3A-C2A	-2.43	104.61	113.98
17	1	307	CLA	C1-O2A-CGA	2.42	122.52	116.65
17	A	856	CLA	O2D-CGD-O1D	-2.42	119.13	123.85
17	1	302	CLA	CBC-CAC-C3C	-2.42	105.85	112.42
17	B	810	CLA	CMB-C2B-C3B	2.42	129.52	124.68
17	A	829	CLA	CMB-C2B-C1B	2.42	132.00	128.46
17	1	308	CLA	CMC-C2C-C1C	2.42	128.82	125.03
17	L	202	CLA	CAC-C3C-C4C	2.42	127.94	124.79

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	1	307	CLA	CHC-C1C-C2C	-2.42	120.09	126.94
17	A	823	CLA	OBD-CAD-C3D	-2.42	122.77	128.42
17	A	817	CLA	CMC-C2C-C1C	2.42	128.81	125.03
24	B	849	DGD	C2G-O2G-C1B	-2.42	112.01	117.80
17	A	853	CLA	CHB-C4A-NA	2.42	127.89	124.40
17	B	835	CLA	C2A-C1A-CHA	-2.42	119.67	123.87
17	2	306	CLA	CED-O2D-CGD	2.42	121.39	115.92
17	B	815	CLA	O1D-CGD-CBD	-2.42	119.75	124.52
17	J	103	CLA	C2A-C1A-CHA	-2.41	119.68	123.87
17	2	308	CLA	CED-O2D-CGD	2.41	121.39	115.92
17	5	314	CLA	CBD-CHA-C1A	2.41	131.02	127.38
17	A	817	CLA	C2A-C1A-CHA	-2.41	119.68	123.87
17	O	205	CLA	CHD-C4C-NC	2.41	127.97	124.23
20	L	206	BCR	C10-C11-C12	2.41	130.19	123.20
17	A	837	CLA	CHC-C1C-C2C	-2.41	120.11	126.94
17	B	840	CLA	CMB-C2B-C1B	2.41	131.99	128.46
17	B	812	CLA	CMC-C2C-C1C	2.41	128.80	125.03
17	4	309	CLA	CHD-C4C-NC	2.41	127.97	124.23
17	4	303	CLA	O2D-CGD-O1D	-2.41	119.16	123.85
17	5	303	CLA	CED-O2D-CGD	2.41	121.38	115.92
17	B	818	CLA	CAA-C2A-C3A	-2.41	106.49	113.00
17	B	801	CLA	C2A-C1A-CHA	-2.41	119.69	123.87
17	A	816	CLA	O2A-CGA-O1A	-2.41	117.61	123.63
17	A	820	CLA	CMB-C2B-C3B	2.41	129.49	124.68
17	A	838	CLA	C2A-C1A-CHA	-2.41	119.69	123.87
17	2	306	CLA	CBC-CAC-C3C	-2.41	105.90	112.42
17	5	303	CLA	CMB-C2B-C3B	2.41	129.49	124.68
17	A	838	CLA	O2A-CGA-O1A	-2.40	117.62	123.63
17	A	806	CLA	CMA-C3A-C2A	-2.40	104.69	113.98
17	B	831	CLA	C2A-C1A-CHA	-2.40	119.70	123.87
17	B	814	CLA	O2D-CGD-O1D	-2.40	119.17	123.85
17	1	305	CLA	C2A-C1A-CHA	-2.40	119.70	123.87
17	A	821	CLA	C1B-CHB-C4A	-2.40	125.46	130.04
17	A	814	CLA	CMC-C2C-C1C	2.40	128.78	125.03
17	B	836	CLA	C4-C3-C5	2.40	119.39	115.23
17	2	306	CLA	CMB-C2B-C3B	2.40	129.48	124.68
17	3	306	CLA	CMB-C2B-C3B	2.40	129.48	124.68
17	B	804	CLA	C1-O2A-CGA	2.40	122.46	116.65
17	A	819	CLA	CAA-C2A-C3A	-2.40	106.52	113.00
17	B	822	CLA	O2A-CGA-CBA	2.39	121.19	112.14
20	A	843	BCR	C34-C9-C8	2.39	121.74	118.09
17	1	306	CLA	CHD-C4C-NC	2.39	127.94	124.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	856	CLA	CMB-C2B-C3B	2.39	129.46	124.68
17	A	802	CLA	CHB-C4A-NA	2.39	127.85	124.40
20	A	844	BCR	C34-C9-C10	-2.39	118.94	122.82
17	A	854	CLA	C1-C2-C3	-2.39	122.28	126.20
17	5	304	CLA	C3B-C4B-NB	2.39	112.30	109.21
17	5	305	CLA	C2A-C3A-C4A	-2.39	98.01	101.87
17	2	307	CLA	C4-C3-C2	-2.39	117.49	123.63
17	B	840	CLA	O2A-CGA-CBA	2.39	119.12	111.83
17	A	815	CLA	CMB-C2B-C1B	2.39	131.95	128.46
17	B	813	CLA	C6-C5-C3	2.39	119.28	113.47
17	B	827	CLA	CAC-C3C-C4C	2.39	127.89	124.79
17	B	840	CLA	CBC-CAC-C3C	-2.39	105.95	112.42
17	A	853	CLA	CMB-C2B-C3B	2.38	129.45	124.68
17	A	834	CLA	C2A-C1A-CHA	-2.38	119.73	123.87
17	B	831	CLA	O1D-CGD-CBD	-2.38	119.82	124.52
17	3	315	CLA	CED-O2D-CGD	2.38	121.32	115.92
17	2	305	CLA	C4-C3-C5	2.38	119.36	115.23
17	B	833	CLA	CED-O2D-CGD	2.38	121.32	115.92
17	3	307	CLA	C3B-C4B-NB	2.38	112.29	109.21
17	1	302	CLA	CHD-C4C-NC	2.38	127.92	124.23
17	1	309	CLA	CMB-C2B-C3B	2.38	129.44	124.68
17	3	315	CLA	O1D-CGD-CBD	-2.38	119.82	124.52
17	B	817	CLA	O1D-CGD-CBD	-2.38	119.82	124.52
17	A	852	CLA	O2A-CGA-CBA	2.38	119.09	111.83
17	A	815	CLA	C4-C3-C2	-2.38	117.52	123.63
17	A	821	CLA	CAA-C2A-C3A	-2.38	106.58	113.00
17	A	802	CLA	O2A-CGA-O1A	-2.38	117.68	123.63
17	3	305	CLA	O2A-CGA-CBA	2.38	119.08	111.83
17	A	832	CLA	C1-C2-C3	-2.38	122.31	126.20
17	A	811	CLA	CHB-C4A-NA	2.38	127.83	124.40
17	B	831	CLA	O2A-CGA-O1A	-2.38	117.69	123.63
17	A	856	CLA	C1-O2A-CGA	2.37	122.40	116.65
17	A	833	CLA	CED-O2D-CGD	2.37	121.30	115.92
17	B	830	CLA	C2A-C1A-CHA	-2.37	119.75	123.87
17	A	834	CLA	CHD-C4C-NC	2.37	127.91	124.23
17	A	852	CLA	C4-C3-C5	2.37	119.35	115.23
17	B	816	CLA	CHD-C4C-NC	2.37	127.91	124.23
17	4	307	CLA	C2A-C1A-CHA	-2.37	119.75	123.87
17	B	831	CLA	CHB-C4A-NA	2.37	127.82	124.40
17	L	203	CLA	O1D-CGD-CBD	-2.37	119.84	124.52
17	3	308	CLA	CHB-C4A-NA	2.37	127.82	124.40
17	A	827	CLA	CED-O2D-CGD	2.37	121.29	115.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	5	307	CLA	CED-O2D-CGD	2.37	121.29	115.92
17	B	807	CLA	C2A-C1A-CHA	-2.37	119.75	123.87
17	5	305	CLA	CMD-C2D-C3D	-2.37	122.25	127.69
17	5	311	CLA	CED-O2D-CGD	2.37	121.29	115.92
17	A	829	CLA	CHB-C4A-NA	2.37	127.82	124.40
17	1	310	CLA	CHD-C4C-NC	2.37	127.90	124.23
20	I	101	BCR	C15-C16-C17	2.36	128.36	123.52
17	B	837	CLA	CMA-C3A-C2A	-2.36	104.84	113.98
17	A	856	CLA	C4A-NA-C1A	-2.36	105.60	106.68
17	4	305	CLA	O1D-CGD-CBD	-2.36	119.86	124.52
17	B	822	CLA	C3B-C4B-NB	2.36	112.26	109.21
17	5	308	CLA	O2A-CGA-O1A	-2.36	117.73	123.63
20	B	845	BCR	C8-C9-C10	2.36	122.72	119.01
17	B	825	CLA	CMA-C3A-C4A	2.36	118.11	111.77
17	A	831	CLA	O2A-CGA-CBA	2.36	119.03	111.83
17	2	309	CLA	CED-O2D-CGD	2.36	121.26	115.92
20	O	202	BCR	C35-C13-C14	-2.36	119.00	122.82
17	B	830	CLA	O2A-CGA-CBA	2.36	119.02	111.83
17	A	806	CLA	C4-C3-C5	2.36	119.32	115.23
17	B	839	CLA	CHD-C4C-NC	2.36	127.88	124.23
17	1	304	CLA	CHC-C1C-C2C	-2.36	120.27	126.94
17	B	831	CLA	CAA-CBA-CGA	-2.36	106.52	113.21
17	A	802	CLA	C1-O2A-CGA	2.35	122.35	116.65
17	A	829	CLA	C2A-C1A-CHA	-2.35	119.78	123.87
17	A	813	CLA	CBC-CAC-C3C	-2.35	106.04	112.42
17	B	822	CLA	CED-O2D-CGD	2.35	121.25	115.92
25	5	301	5X6	C42-C13-C12	-2.35	114.50	118.09
17	B	836	CLA	O2A-CGA-CBA	2.35	119.00	111.83
17	B	829	CLA	CHD-C4C-NC	2.35	127.88	124.23
17	3	308	CLA	CHD-C4C-NC	2.35	127.87	124.23
17	1	308	CLA	CAA-C2A-C3A	-2.35	110.84	116.23
25	1	316	5X6	C04-C03-C02	-2.35	119.43	122.64
25	1	315	5X6	C01-C02-C07	-2.35	110.11	114.42
17	A	826	CLA	O2D-CGD-O1D	-2.35	119.28	123.85
17	A	819	CLA	CHD-C4C-NC	2.35	127.87	124.23
17	A	833	CLA	CAC-C3C-C4C	2.35	127.84	124.79
17	A	818	CLA	CHB-C4A-NA	2.35	127.78	124.40
17	3	310	CLA	C3B-C4B-NB	2.35	112.24	109.21
17	4	304	CLA	C3B-C4B-NB	2.35	112.24	109.21
17	2	311	CLA	CAA-C2A-C3A	-2.34	106.67	113.00
17	B	806	CLA	C11-C10-C8	-2.34	108.18	115.97
17	B	804	CLA	C16-C15-C13	2.34	123.75	115.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	820	CLA	CHD-C4C-NC	2.34	127.86	124.23
20	I	101	BCR	C36-C18-C17	-2.34	119.03	122.82
20	M	101	BCR	C1-C6-C5	-2.34	119.44	122.64
17	4	307	CLA	O1D-CGD-CBD	-2.34	119.91	124.52
17	B	833	CLA	CAC-C3C-C4C	2.34	127.83	124.79
25	1	312	5X6	C38-C30-C31	-2.34	110.13	114.42
17	B	824	CLA	C2A-C1A-CHA	-2.34	119.81	123.87
17	3	314	CLA	CED-O2D-CGD	2.33	121.21	115.92
17	A	820	CLA	CHB-C4A-NA	2.33	127.77	124.40
17	L	202	CLA	CHB-C4A-NA	2.33	127.77	124.40
17	A	839	CLA	CHB-C4A-NA	2.33	127.77	124.40
17	A	820	CLA	CBC-CAC-C3C	-2.33	106.10	112.42
17	A	854	CLA	CBC-CAC-C3C	-2.33	106.10	112.42
17	A	829	CLA	C3B-C4B-NB	2.33	112.22	109.21
25	2	320	5X6	C42-C13-C12	2.33	121.65	118.09
17	B	827	CLA	O2D-CGD-O1D	-2.33	119.31	123.85
17	J	103	CLA	C1B-CHB-C4A	-2.33	125.60	130.04
17	A	859	CLA	CHD-C4C-NC	2.33	127.84	124.23
17	1	301	CLA	C2A-C1A-CHA	-2.33	119.83	123.87
17	A	853	CLA	C1-C2-C3	-2.33	122.38	126.20
17	A	817	CLA	O2D-CGD-O1D	-2.33	119.32	123.85
17	A	826	CLA	C3B-C4B-NB	2.33	112.22	109.21
17	B	818	CLA	C1-O2A-CGA	2.33	122.28	116.65
20	A	844	BCR	C36-C18-C17	-2.33	119.05	122.82
17	A	818	CLA	C1-O2A-CGA	2.32	122.28	116.65
17	3	311	CLA	C3B-C4B-NB	2.32	112.22	109.21
20	A	846	BCR	C19-C18-C17	2.32	122.67	119.01
17	1	303	CLA	CHB-C4A-NA	2.32	127.75	124.40
17	B	837	CLA	CBC-CAC-C3C	-2.32	106.13	112.42
17	2	307	CLA	C4-C3-C5	2.32	119.26	115.23
17	3	310	CLA	CHB-C4A-NA	2.32	127.75	124.40
25	1	312	5X6	C09-C04-C03	2.32	113.88	110.24
17	4	307	CLA	CBA-CAA-C2A	2.32	120.69	113.79
17	B	818	CLA	C2A-C1A-CHA	-2.32	119.84	123.87
17	A	817	CLA	O1D-CGD-CBD	-2.32	119.94	124.52
17	A	818	CLA	CAA-C2A-C3A	-2.32	106.74	113.00
17	B	811	CLA	CED-O2D-CGD	2.32	121.17	115.92
17	A	830	CLA	C2A-C1A-CHA	-2.32	119.85	123.87
17	2	310	CLA	CHB-C4A-NA	2.32	127.74	124.40
17	B	813	CLA	CHD-C4C-NC	2.32	127.82	124.23
17	5	307	CLA	CBC-CAC-C3C	-2.31	106.14	112.42
17	B	805	CLA	CHD-C4C-NC	2.31	127.82	124.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
18	B	842	PQN	C11-C3-C2	-2.31	120.92	124.89
17	L	202	CLA	CMC-C2C-C1C	2.31	128.65	125.03
17	5	303	CLA	C5-C3-C2	2.31	126.36	121.17
17	5	306	CLA	CHD-C4C-NC	2.31	127.82	124.23
17	B	811	CLA	C2A-C1A-CHA	-2.31	119.86	123.87
17	B	857	CLA	CBC-CAC-C3C	-2.31	106.15	112.42
20	B	844	BCR	C15-C16-C17	2.31	128.25	123.52
17	4	306	CLA	CED-O2D-CGD	2.31	121.16	115.92
20	B	847	BCR	C16-C17-C18	2.31	130.52	127.28
17	4	304	CLA	CAA-C2A-C3A	-2.31	106.76	113.00
17	A	834	CLA	C4C-C3C-C2C	-2.31	103.53	106.89
17	A	813	CLA	CMC-C2C-C1C	2.31	128.64	125.03
17	B	807	CLA	CMB-C2B-C3B	2.31	129.29	124.68
17	B	813	CLA	CED-O2D-CGD	2.31	121.15	115.92
20	O	202	BCR	C36-C18-C17	-2.31	119.08	122.82
17	A	808	CLA	C2A-C1A-CHA	-2.31	119.86	123.87
20	B	843	BCR	C35-C13-C14	-2.31	119.08	122.82
17	4	307	CLA	CED-O2D-CGD	2.31	121.15	115.92
17	B	802	CLA	CHD-C4C-NC	2.31	127.81	124.23
17	A	818	CLA	O1D-CGD-CBD	-2.30	119.97	124.52
17	B	822	CLA	CBC-CAC-C3C	-2.30	106.17	112.42
17	A	828	CLA	O2A-CGA-O1A	-2.30	117.86	123.63
17	5	309	CLA	CHB-C4A-NA	2.30	127.72	124.40
17	B	812	CLA	O2A-CGA-O1A	-2.30	117.86	123.63
17	F	204	CLA	CMA-C3A-C2A	-2.30	110.95	116.23
17	3	305	CLA	C4-C3-C5	2.30	119.22	115.23
17	B	821	CLA	CBA-CAA-C2A	2.30	120.64	113.79
17	B	828	CLA	CBA-CAA-C2A	2.30	120.64	113.79
17	B	840	CLA	CGD-CBD-CAD	-2.30	103.39	110.85
16	A	801	CL0	CGD-CBD-CAD	-2.30	103.39	110.85
17	A	829	CLA	C1B-CHB-C4A	-2.30	125.65	130.04
17	A	824	CLA	CMA-C3A-C2A	-2.30	105.09	113.98
17	B	801	CLA	CED-O2D-CGD	2.30	121.13	115.92
20	A	843	BCR	C36-C18-C17	-2.30	119.09	122.82
17	3	312	CLA	CHD-C4C-NC	2.30	127.80	124.23
17	A	804	CLA	O1D-CGD-CBD	-2.30	119.99	124.52
17	3	313	CLA	CED-O2D-CGD	2.30	121.13	115.92
17	A	838	CLA	CHB-C4A-NA	2.30	127.71	124.40
17	B	832	CLA	CHD-C4C-NC	2.30	127.79	124.23
17	B	805	CLA	O2D-CGD-O1D	-2.29	119.38	123.85
17	2	306	CLA	C2A-C1A-CHA	-2.29	119.89	123.87
17	A	836	CLA	O2A-CGA-O1A	-2.29	117.89	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	814	CLA	CHB-C4A-NA	2.29	127.71	124.40
17	B	833	CLA	CHD-C4C-NC	2.29	127.78	124.23
17	1	311	CLA	CED-O2D-CGD	2.29	121.11	115.92
17	A	833	CLA	CMA-C3A-C4A	-2.29	105.62	111.77
17	B	833	CLA	CBC-CAC-C3C	-2.29	106.21	112.42
17	A	808	CLA	CHD-C4C-NC	2.29	127.78	124.23
17	B	804	CLA	C1-C2-C3	-2.29	122.45	126.20
16	A	801	CL0	CBC-CAC-C3C	-2.29	106.22	112.42
17	O	204	CLA	CHB-C4A-NA	2.29	127.70	124.40
17	B	832	CLA	CBA-CAA-C2A	2.29	120.60	113.79
17	2	304	CLA	CED-O2D-CGD	2.29	121.10	115.92
20	B	803	BCR	C7-C8-C9	2.29	129.62	126.23
17	1	302	CLA	CMB-C2B-C3B	2.29	129.25	124.68
17	B	801	CLA	C4A-NA-C1A	-2.28	105.64	106.68
20	M	101	BCR	C35-C13-C14	-2.28	119.12	122.82
17	A	808	CLA	CHB-C4A-NA	2.28	127.69	124.40
17	3	306	CLA	CED-O2D-CGD	2.28	121.09	115.92
17	F	203	CLA	C2A-C1A-CHA	-2.28	119.91	123.87
17	5	303	CLA	C4C-C3C-C2C	-2.28	103.57	106.89
20	J	104	BCR	C11-C10-C9	2.28	130.47	127.28
17	A	809	CLA	C2A-C1A-CHA	-2.28	119.91	123.87
17	A	834	CLA	CBC-CAC-C3C	-2.28	106.25	112.42
20	B	846	BCR	C37-C22-C23	2.28	121.57	118.09
17	A	852	CLA	CAA-C2A-C1A	-2.28	104.52	111.97
25	2	319	5X6	C12-C13-C14	-2.28	115.43	119.01
17	A	825	CLA	CAA-CBA-CGA	-2.28	106.75	113.21
17	A	833	CLA	CAA-C2A-C3A	-2.28	106.85	113.00
17	A	807	CLA	C2A-C1A-CHA	-2.27	119.92	123.87
17	3	305	CLA	C3B-C4B-NB	2.27	112.15	109.21
17	B	808	CLA	CMB-C2B-C1B	2.27	131.79	128.46
17	K	102	CLA	CED-O2D-CGD	2.27	121.07	115.92
17	5	303	CLA	O2D-CGD-O1D	-2.27	119.42	123.85
17	A	813	CLA	CED-O2D-CGD	2.27	121.07	115.92
17	A	833	CLA	CHD-C4C-NC	2.27	127.75	124.23
17	B	828	CLA	CHA-C1A-NA	-2.27	121.25	126.39
25	2	318	5X6	C19-C20-C21	-2.27	118.88	123.52
17	B	820	CLA	O2A-CGA-CBA	2.27	118.75	111.83
17	B	824	CLA	CHC-C1C-C2C	-2.27	120.52	126.94
17	3	305	CLA	CED-O2D-CGD	2.26	121.05	115.92
17	A	811	CLA	OBD-CAD-C3D	-2.26	123.12	128.42
17	A	853	CLA	CAC-C3C-C4C	2.26	127.74	124.79
17	K	102	CLA	CHD-C4C-NC	2.26	127.74	124.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	828	CLA	CBC-CAC-C3C	-2.26	106.28	112.42
17	1	309	CLA	C2A-C1A-CHA	-2.26	119.94	123.87
25	5	316	5X6	C28-C29-C30	-2.26	116.34	121.56
17	B	806	CLA	C4-C3-C5	2.26	119.15	115.23
17	A	818	CLA	CAC-C3C-C4C	2.26	127.73	124.79
17	B	802	CLA	CGD-CBD-CAD	-2.26	103.53	110.85
17	5	305	CLA	CMB-C2B-C3B	2.26	129.20	124.68
17	A	837	CLA	CHD-C4C-NC	2.26	127.73	124.23
17	A	830	CLA	CED-O2D-CGD	2.26	121.04	115.92
17	B	819	CLA	OBD-CAD-C3D	-2.26	123.14	128.42
17	B	813	CLA	C1-C2-C3	-2.25	122.50	126.20
17	2	313	CLA	CED-O2D-CGD	2.25	121.03	115.92
17	2	316	CLA	C2A-C1A-CHA	-2.25	119.96	123.87
17	B	857	CLA	O2D-CGD-O1D	-2.25	119.46	123.85
17	B	817	CLA	C5-C3-C2	-2.25	116.11	121.17
17	A	826	CLA	C1B-CHB-C4A	-2.25	125.75	130.04
17	5	314	CLA	CHB-C4A-NA	2.25	127.65	124.40
17	B	816	CLA	CMC-C2C-C1C	2.25	128.55	125.03
17	B	828	CLA	CMA-C3A-C2A	-2.25	105.28	113.98
17	1	307	CLA	C3B-C4B-NB	2.25	112.12	109.21
17	5	303	CLA	O2A-CGA-O1A	-2.25	118.00	123.63
17	B	821	CLA	CAC-C3C-C4C	2.25	127.72	124.79
17	4	307	CLA	CHD-C4C-NC	2.25	127.72	124.23
17	A	818	CLA	OBD-CAD-C3D	-2.25	123.16	128.42
17	B	822	CLA	O1D-CGD-CBD	-2.25	120.08	124.52
17	B	810	CLA	CED-O2D-CGD	2.25	121.01	115.92
17	2	305	CLA	CED-O2D-CGD	2.25	121.01	115.92
17	1	308	CLA	O2D-CGD-O1D	-2.25	119.48	123.85
17	3	306	CLA	C2A-C1A-CHA	-2.25	119.97	123.87
17	O	205	CLA	O1D-CGD-CBD	-2.25	120.09	124.52
20	L	201	BCR	C34-C9-C8	2.25	121.52	118.09
17	5	303	CLA	CHB-C4A-NA	2.25	127.64	124.40
20	L	206	BCR	C35-C13-C14	-2.24	119.18	122.82
17	K	102	CLA	C1-C2-C3	-2.24	122.52	126.20
25	3	318	5X6	C04-C03-C02	-2.24	119.57	122.64
17	F	203	CLA	CHD-C4C-NC	2.24	127.71	124.23
17	2	310	CLA	C2A-C1A-CHA	-2.24	119.97	123.87
17	2	305	CLA	O1D-CGD-CBD	-2.24	120.09	124.52
17	B	817	CLA	CMB-C2B-C1B	2.24	131.74	128.46
17	L	204	CLA	CHD-C4C-NC	2.24	127.71	124.23
20	B	845	BCR	C36-C18-C17	-2.24	119.19	122.82
20	B	843	BCR	C11-C10-C9	2.24	130.42	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	834	CLA	CAA-C2A-C3A	-2.24	106.95	113.00
17	B	837	CLA	CAA-C2A-C3A	-2.24	106.95	113.00
17	A	833	CLA	CMA-C3A-C2A	-2.24	105.33	113.98
17	A	859	CLA	O2A-CGA-CBA	2.24	120.59	112.14
20	A	843	BCR	C30-C25-C24	2.24	121.72	115.65
17	B	811	CLA	O2A-CGA-CBA	2.24	118.66	111.83
17	A	837	CLA	C1B-CHB-C4A	-2.24	125.78	130.04
17	B	810	CLA	C1-O2A-CGA	2.24	122.06	116.65
25	F	205	5X6	C38-C30-C31	-2.24	110.31	114.42
17	A	806	CLA	CBC-CAC-C3C	-2.24	106.36	112.42
17	B	805	CLA	C4-C3-C2	-2.24	117.89	123.63
17	A	819	CLA	CHB-C4A-NA	2.24	127.63	124.40
17	3	309	CLA	C3B-C4B-NB	2.24	112.10	109.21
17	F	203	CLA	CMB-C2B-C3B	2.23	129.15	124.68
17	B	810	CLA	CBC-CAC-C3C	-2.23	106.36	112.42
17	B	828	CLA	CED-O2D-CGD	2.23	120.98	115.92
17	5	306	CLA	C2A-C1A-CHA	-2.23	119.99	123.87
17	K	102	CLA	O2D-CGD-O1D	-2.23	119.50	123.85
17	B	809	CLA	O2A-CGA-O1A	-2.23	118.04	123.63
17	B	814	CLA	C1-O2A-CGA	2.23	122.05	116.65
17	B	802	CLA	CHB-C4A-NA	2.23	127.62	124.40
17	B	835	CLA	CHB-C4A-NA	2.23	127.62	124.40
17	B	832	CLA	CHB-C4A-NA	2.23	127.62	124.40
22	A	848	LMT	C3'-C4'-C5'	-2.23	105.99	110.93
25	4	313	5X6	C23-C22-C21	-2.23	115.50	119.01
17	A	804	CLA	C2A-C1A-CHA	-2.23	120.00	123.87
17	1	309	CLA	O2D-CGD-O1D	-2.23	119.52	123.85
17	4	309	CLA	CED-O2D-CGD	2.23	120.96	115.92
20	K	104	BCR	C35-C13-C14	-2.23	119.21	122.82
17	B	809	CLA	CHD-C4C-NC	2.22	127.68	124.23
25	4	313	5X6	C40-C22-C23	-2.22	114.69	118.09
17	5	308	CLA	CED-O2D-CGD	2.22	120.96	115.92
17	A	830	CLA	CMB-C2B-C3B	2.22	129.12	124.68
17	2	305	CLA	C3B-C4B-NB	2.22	112.08	109.21
17	A	820	CLA	OBD-CAD-C3D	-2.22	123.22	128.42
17	B	841	CLA	O2A-CGA-CBA	2.22	118.60	111.83
17	2	316	CLA	CHB-C4A-NA	2.22	127.60	124.40
17	5	302	CLA	CED-O2D-CGD	2.22	120.95	115.92
20	B	848	BCR	C15-C14-C13	2.22	130.39	127.28
17	O	203	CLA	CED-O2D-CGD	2.22	120.95	115.92
17	2	307	CLA	C1-O2A-CGA	2.22	122.02	116.65
17	4	311	CLA	CED-O2D-CGD	2.22	120.94	115.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	K	102	CLA	CMB-C2B-C3B	2.22	129.11	124.68
17	2	305	CLA	CBC-CAC-C3C	-2.22	106.41	112.42
20	A	843	BCR	C29-C30-C25	2.22	113.66	110.44
17	5	313	CLA	C2A-C1A-CHA	-2.22	120.02	123.87
17	2	307	CLA	CMD-C2D-C3D	-2.21	122.61	127.69
17	A	824	CLA	C1-O2A-CGA	2.21	122.01	116.65
20	B	845	BCR	C16-C15-C14	2.21	128.05	123.52
17	L	203	CLA	C2A-C1A-CHA	-2.21	120.03	123.87
17	A	807	CLA	OBD-CAD-C3D	-2.21	123.24	128.42
17	A	854	CLA	CHD-C4C-NC	2.21	127.66	124.23
17	B	837	CLA	CHD-C4C-NC	2.21	127.66	124.23
17	1	304	CLA	O1D-CGD-CBD	-2.21	120.15	124.52
17	A	829	CLA	OBD-CAD-C3D	-2.21	123.24	128.42
17	B	837	CLA	C4-C3-C5	2.21	119.07	115.23
17	B	823	CLA	CED-O2D-CGD	2.21	120.93	115.92
17	A	838	CLA	CMA-C3A-C2A	-2.21	105.44	113.98
17	B	832	CLA	C4-C3-C5	2.21	119.06	115.23
17	B	819	CLA	O2A-CGA-O1A	-2.21	118.10	123.63
17	1	302	CLA	C4C-C3C-C2C	-2.21	103.68	106.89
20	L	206	BCR	C15-C14-C13	2.21	130.37	127.28
17	5	307	CLA	O1D-CGD-CBD	-2.21	120.16	124.52
17	2	306	CLA	O2A-CGA-CBA	2.21	120.97	114.00
17	5	314	CLA	C2A-C1A-CHA	-2.21	120.04	123.87
17	B	826	CLA	C2A-C1A-CHA	-2.21	120.04	123.87
17	B	829	CLA	C1B-CHB-C4A	-2.21	125.83	130.04
17	5	313	CLA	CHC-C1C-NC	2.20	127.63	124.31
17	B	813	CLA	CBC-CAC-C3C	-2.20	106.44	112.42
20	A	843	BCR	C21-C20-C19	2.20	129.59	123.20
17	B	831	CLA	CBC-CAC-C3C	-2.20	106.45	112.42
17	1	311	CLA	CHB-C4A-NA	2.20	127.58	124.40
17	A	855	CLA	CMB-C2B-C1B	2.20	131.68	128.46
17	A	854	CLA	CHB-C4A-NA	2.20	127.58	124.40
17	A	807	CLA	C1-O2A-CGA	2.20	121.98	116.65
17	B	840	CLA	C4-C3-C2	-2.20	117.97	123.63
20	B	803	BCR	C15-C14-C13	2.20	130.37	127.28
17	5	308	CLA	C2A-C1A-CHA	-2.20	120.05	123.87
17	B	834	CLA	CMA-C3A-C2A	-2.20	105.47	113.98
25	2	318	5X6	C04-C03-C02	-2.20	119.63	122.64
25	2	321	5X6	C39-C26-C27	-2.20	114.73	118.09
17	3	305	CLA	O2D-CGD-O1D	-2.20	119.57	123.85
17	A	839	CLA	O2A-CGA-O1A	-2.20	118.13	123.63
17	A	806	CLA	CHB-C4A-NA	2.20	127.57	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	815	CLA	CAA-C2A-C3A	-2.20	107.06	113.00
20	A	846	BCR	C34-C9-C8	2.20	121.45	118.09
25	5	318	5X6	C12-C13-C14	-2.20	115.55	119.01
17	A	822	CLA	CHB-C4A-NA	2.20	127.57	124.40
17	A	835	CLA	OBD-CAD-C3D	-2.20	123.28	128.42
17	A	809	CLA	CAA-CBA-CGA	2.20	119.44	113.21
17	A	839	CLA	CHD-C4C-NC	2.20	127.64	124.23
17	B	835	CLA	CBC-CAC-C3C	-2.20	106.47	112.42
17	5	304	CLA	CMB-C2B-C3B	2.20	129.07	124.68
17	B	810	CLA	C4-C3-C5	2.19	119.04	115.23
20	L	201	BCR	C35-C13-C14	-2.19	119.26	122.82
17	A	817	CLA	CHD-C4C-NC	2.19	127.63	124.23
17	A	836	CLA	C1B-CHB-C4A	-2.19	125.86	130.04
17	A	827	CLA	CMA-C3A-C2A	-2.19	105.50	113.98
17	5	305	CLA	O2A-C1-C2	2.19	116.55	108.11
17	L	202	CLA	C2A-C1A-CHA	-2.19	120.06	123.87
17	A	853	CLA	C4A-NA-C1A	-2.19	105.68	106.68
18	B	842	PQN	C2M-C2-C1	2.19	120.71	116.68
17	B	825	CLA	CED-O2D-CGD	2.19	120.89	115.92
17	A	827	CLA	CHD-C4C-NC	2.19	127.63	124.23
17	A	810	CLA	C2A-C1A-CHA	-2.19	120.07	123.87
17	B	840	CLA	C1-C2-C3	-2.19	122.61	126.20
17	A	826	CLA	CHA-C1A-NA	-2.19	121.43	126.39
17	A	828	CLA	O2A-CGA-CBA	2.19	118.51	111.83
17	L	203	CLA	CED-O2D-CGD	2.19	120.88	115.92
17	5	310	CLA	CED-O2D-CGD	2.19	120.88	115.92
17	B	822	CLA	C2A-C1A-CHA	-2.19	120.07	123.87
17	1	306	CLA	CMA-C3A-C4A	-2.19	105.89	111.77
17	1	301	CLA	CED-O2D-CGD	2.19	120.88	115.92
17	A	806	CLA	CAA-C2A-C3A	-2.19	107.09	113.00
17	4	305	CLA	O2D-CGD-O1D	-2.19	119.59	123.85
17	B	810	CLA	O2A-CGA-CBA	2.19	118.50	111.83
17	A	814	CLA	CED-O2D-CGD	2.19	120.87	115.92
16	A	801	CL0	CED-O2D-CGD	2.18	120.87	115.92
17	2	311	CLA	C3B-C4B-NB	2.18	112.03	109.21
17	5	313	CLA	CMB-C2B-C3B	2.18	129.04	124.68
17	A	821	CLA	CHB-C4A-NA	2.18	127.55	124.40
17	F	203	CLA	O2A-CGA-CBA	2.18	120.89	114.00
17	1	303	CLA	CHA-C1A-NA	-2.18	121.45	126.39
17	A	855	CLA	CBA-CAA-C2A	-2.18	107.31	113.79
25	J	105	5X6	C28-C29-C30	-2.18	116.54	121.56
25	5	316	5X6	C01-C02-C07	-2.18	110.42	114.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A	837	CLA	CAA-CBA-CGA	-2.18	107.03	113.21
17	B	812	CLA	O2A-CGA-CBA	2.18	118.47	111.83
17	A	805	CLA	C4A-NA-C1A	-2.18	105.69	106.68
17	1	306	CLA	CMA-C3A-C2A	-2.18	105.57	113.98
17	B	811	CLA	CHD-C4C-NC	2.18	127.60	124.23
17	B	827	CLA	CMC-C2C-C1C	2.17	128.43	125.03
17	2	316	CLA	CED-O2D-CGD	2.17	120.85	115.92
17	A	811	CLA	C5-C3-C2	-2.17	116.29	121.17
17	O	205	CLA	CHB-C4A-NA	2.17	127.54	124.40
17	A	810	CLA	CBC-CAC-C3C	-2.17	106.53	112.42
17	O	203	CLA	CAA-C2A-C3A	-2.17	111.25	116.23
17	2	308	CLA	CMB-C2B-C3B	2.17	129.02	124.68
17	A	814	CLA	O2A-CGA-CBA	2.17	120.86	114.00
25	1	314	5X6	C38-C30-C31	-2.17	110.43	114.42
20	L	201	BCR	C29-C30-C25	2.17	113.59	110.44
17	1	302	CLA	O2A-CGA-CBA	2.17	118.45	111.83
17	A	855	CLA	CHD-C4C-NC	2.17	127.59	124.23
17	B	818	CLA	CMB-C2B-C3B	2.17	129.01	124.68
17	B	807	CLA	C4A-NA-C1A	-2.17	105.69	106.68
17	A	823	CLA	CAA-CBA-CGA	-2.17	107.06	113.21
17	B	806	CLA	O2A-CGA-CBA	2.17	118.44	111.83
17	1	303	CLA	CMB-C2B-C3B	2.17	129.01	124.68
20	K	104	BCR	C11-C10-C9	2.17	130.31	127.28
17	B	812	CLA	CAA-C2A-C3A	-2.17	107.15	113.00
17	F	204	CLA	CAA-C2A-C3A	-2.17	111.27	116.23
17	A	810	CLA	CMB-C2B-C3B	2.16	129.01	124.68
17	5	310	CLA	CHD-C4C-NC	2.16	127.59	124.23
20	K	104	BCR	C10-C11-C12	2.16	129.47	123.20
17	B	824	CLA	C4-C3-C5	2.16	118.98	115.23
17	A	829	CLA	C1-O2A-CGA	2.16	121.89	116.65
17	A	819	CLA	C1B-CHB-C4A	-2.16	125.91	130.04
17	A	853	CLA	C1B-CHB-C4A	-2.16	125.91	130.04
17	A	856	CLA	CBC-CAC-C3C	-2.16	106.56	112.42
17	A	827	CLA	CHA-C1A-NA	-2.16	121.49	126.39
20	A	843	BCR	C15-C14-C13	2.16	130.31	127.28
17	A	809	CLA	C4-C3-C5	2.16	118.98	115.23
17	3	307	CLA	C1-C2-C3	-2.16	122.66	126.20
17	A	816	CLA	CED-O2D-CGD	2.16	120.82	115.92
17	A	810	CLA	CHD-C4C-NC	2.16	127.58	124.23
17	B	819	CLA	C7-C6-C5	-2.16	107.50	113.26
17	A	811	CLA	C2A-C1A-CHA	-2.16	120.12	123.87
17	5	305	CLA	C2A-C1A-CHA	-2.16	120.12	123.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
25	5	315	5X6	C40-C22-C23	-2.16	114.79	118.09
20	B	848	BCR	C16-C15-C14	2.16	127.94	123.52
17	A	852	CLA	CGD-CBD-CAD	2.16	117.83	110.85
17	5	312	CLA	CED-O2D-CGD	2.16	120.81	115.92
17	5	307	CLA	CHC-C1C-NC	2.16	127.56	124.31
17	B	834	CLA	C1B-CHB-C4A	-2.16	125.93	130.04
17	B	835	CLA	O2D-CGD-O1D	-2.16	119.65	123.85
20	A	846	BCR	C16-C15-C14	2.16	127.93	123.52
17	B	827	CLA	O2A-CGA-CBA	2.15	118.41	111.83
17	2	308	CLA	C2A-C1A-CHA	-2.15	120.13	123.87
17	2	314	CLA	CED-O2D-CGD	2.15	120.80	115.92
20	O	202	BCR	C29-C30-C25	2.15	113.56	110.44
17	4	310	CLA	O2A-CGA-CBA	2.15	120.80	114.00
17	B	809	CLA	OBD-CAD-C3D	-2.15	123.39	128.42
17	A	852	CLA	C1B-CHB-C4A	-2.15	125.94	130.04
17	A	829	CLA	O2A-CGA-CBA	2.15	118.39	111.83
20	B	847	BCR	C29-C28-C27	2.15	116.00	111.28
17	B	801	CLA	CAA-C2A-C3A	-2.15	107.19	113.00
17	A	820	CLA	O2A-CGA-O1A	-2.15	118.25	123.63
17	A	811	CLA	CHD-C4C-NC	2.15	127.56	124.23
17	A	813	CLA	CHD-C4C-NC	2.15	127.56	124.23
17	A	836	CLA	CHB-C4A-NA	2.15	127.50	124.40
17	B	832	CLA	O2A-CGA-CBA	2.15	118.38	111.83
17	2	305	CLA	O2D-CGD-O1D	-2.14	119.67	123.85
17	O	205	CLA	C2A-C1A-CHA	-2.14	120.15	123.87
20	O	202	BCR	C10-C11-C12	2.14	129.41	123.20
17	A	806	CLA	CHD-C4C-NC	2.14	127.55	124.23
20	A	857	BCR	C29-C30-C25	2.14	113.55	110.44
17	A	808	CLA	CMA-C3A-C2A	-2.14	105.70	113.98
17	3	310	CLA	C1B-CHB-C4A	-2.14	125.96	130.04
17	B	814	CLA	CMB-C2B-C3B	2.14	128.96	124.68
17	1	305	CLA	O2D-CGD-O1D	-2.14	119.68	123.85
25	5	315	5X6	C34-C29-C30	-2.14	119.71	122.64
17	3	309	CLA	O2D-CGD-O1D	-2.14	119.69	123.85
17	A	820	CLA	O1D-CGD-CBD	-2.14	120.30	124.52
17	1	302	CLA	C1-C2-C3	-2.14	122.70	126.20
20	A	845	BCR	C16-C15-C14	2.14	127.89	123.52
17	5	309	CLA	C4-C3-C2	-2.14	118.14	123.63
25	2	320	5X6	C31-C30-C29	-2.14	116.37	120.76
17	2	315	CLA	CHB-C4A-NA	2.14	127.48	124.40
17	A	825	CLA	O1D-CGD-CBD	-2.14	120.31	124.52
17	B	824	CLA	O2A-CGA-O1A	-2.13	118.29	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	811	CLA	CBC-CAC-C3C	-2.13	106.63	112.42
17	A	826	CLA	CBC-CAC-C3C	-2.13	106.64	112.42
17	A	825	CLA	CHB-C4A-NA	2.13	127.48	124.40
17	B	821	CLA	CHB-C4A-NA	2.13	127.47	124.40
17	5	309	CLA	C1B-CHB-C4A	-2.13	125.98	130.04
17	3	306	CLA	O1D-CGD-CBD	-2.13	120.32	124.52
17	A	804	CLA	C4-C3-C5	2.13	118.92	115.23
17	B	818	CLA	CMA-C3A-C2A	-2.13	105.75	113.98
17	1	306	CLA	C1B-CHB-C4A	-2.13	125.98	130.04
17	1	303	CLA	CED-O2D-CGD	2.13	120.74	115.92
17	3	306	CLA	CBC-CAC-C3C	-2.13	106.65	112.42
17	A	829	CLA	O1D-CGD-CBD	-2.13	120.32	124.52
17	B	829	CLA	CHB-C4A-NA	2.13	127.47	124.40
17	1	306	CLA	CBC-CAC-C3C	-2.13	106.66	112.42
17	3	314	CLA	O2A-CGA-CBA	2.13	120.17	112.14
17	2	309	CLA	CHC-C1C-NC	2.13	127.51	124.31
17	B	829	CLA	CBC-CAC-C3C	-2.12	106.66	112.42
17	A	802	CLA	CHD-C4C-NC	2.12	127.52	124.23
20	A	845	BCR	C30-C25-C24	2.12	121.41	115.65
17	4	303	CLA	C2A-C1A-CHA	-2.12	120.18	123.87
20	B	848	BCR	C35-C13-C14	-2.12	119.38	122.82
17	B	805	CLA	C6-C7-C8	-2.12	108.91	115.97
17	1	308	CLA	CHD-C4C-NC	2.12	127.52	124.23
17	A	832	CLA	CAA-C2A-C3A	-2.12	107.27	113.00
17	3	306	CLA	CHB-C4A-NA	2.12	127.46	124.40
17	K	103	CLA	CHD-C4C-NC	2.12	127.52	124.23
17	3	306	CLA	O2A-CGA-CBA	2.12	120.70	114.00
17	B	812	CLA	O2D-CGD-O1D	-2.12	119.73	123.85
17	B	802	CLA	O2A-CGA-O1A	-2.12	118.33	123.63
17	A	839	CLA	CMA-C3A-C2A	-2.12	105.80	113.98
17	A	811	CLA	O2A-CGA-CBA	2.11	118.28	111.83
17	B	836	CLA	O2A-CGA-O1A	-2.11	118.34	123.63
25	2	319	5X6	C01-C02-C07	-2.11	110.53	114.42
17	A	855	CLA	O2D-CGD-CBD	2.11	114.93	111.23
17	B	829	CLA	C2A-C1A-CHA	-2.11	120.20	123.87
17	B	805	CLA	CED-O2D-CGD	2.11	120.71	115.92
17	A	804	CLA	C1-C2-C3	-2.11	122.73	126.20
17	A	859	CLA	CHB-C4A-NA	2.11	127.45	124.40
17	A	831	CLA	CBC-CAC-C3C	-2.11	106.70	112.42
17	3	309	CLA	OBD-CAD-C3D	-2.11	123.48	128.42
17	3	314	CLA	C2A-C1A-CHA	-2.11	120.20	123.87
17	3	310	CLA	CED-O2D-CGD	2.11	120.70	115.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
20	A	845	BCR	C15-C14-C13	2.11	130.24	127.28
17	B	836	CLA	O1D-CGD-CBD	-2.11	120.36	124.52
17	B	805	CLA	CHA-C1A-NA	-2.11	121.61	126.39
17	A	804	CLA	CMA-C3A-C2A	-2.11	105.83	113.98
17	B	819	CLA	CAA-C2A-C3A	-2.11	107.30	113.00
17	A	816	CLA	CHA-C1A-NA	-2.11	121.62	126.39
17	A	838	CLA	C4A-NA-C1A	-2.11	105.72	106.68
17	5	305	CLA	O1A-CGA-CBA	-2.11	115.54	123.78
17	B	804	CLA	CHB-C4A-NA	2.11	127.44	124.40
17	B	805	CLA	OBD-CAD-C3D	-2.11	123.49	128.42
17	K	103	CLA	CBC-CAC-C3C	-2.11	106.71	112.42
17	A	821	CLA	CED-O2D-CGD	2.10	120.69	115.92
17	5	304	CLA	C2A-C1A-CHA	-2.10	120.22	123.87
17	B	840	CLA	O2D-CGD-O1D	-2.10	119.75	123.85
17	B	828	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
17	4	309	CLA	CAA-C2A-C3A	-2.10	111.41	116.23
17	3	314	CLA	CBA-CAA-C2A	2.10	120.05	113.79
17	A	820	CLA	C1B-CHB-C4A	-2.10	126.03	130.04
17	B	826	CLA	C1B-CHB-C4A	-2.10	126.03	130.04
17	B	818	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
17	B	811	CLA	CHA-C1A-NA	-2.10	121.63	126.39
20	B	803	BCR	C36-C18-C17	-2.10	119.41	122.82
20	A	844	BCR	C34-C9-C8	2.10	121.30	118.09
17	B	840	CLA	C2A-C1A-CHA	-2.10	120.22	123.87
17	A	826	CLA	C2A-C1A-CHA	-2.10	120.22	123.87
17	B	814	CLA	C2A-C1A-CHA	-2.10	120.22	123.87
17	A	855	CLA	CAA-C2A-C3A	-2.10	107.33	113.00
17	4	303	CLA	CED-O2D-CGD	2.10	120.67	115.92
17	B	826	CLA	O2A-CGA-CBA	2.10	118.23	111.83
17	5	303	CLA	O1D-CGD-CBD	-2.09	120.39	124.52
20	M	101	BCR	C1-C6-C7	2.09	121.33	115.65
17	4	307	CLA	O2A-CGA-CBA	2.09	120.62	114.00
17	B	816	CLA	O1D-CGD-CBD	-2.09	120.39	124.52
17	J	103	CLA	CBC-CAC-C3C	-2.09	106.75	112.42
17	A	832	CLA	C11-C12-C13	-2.09	109.01	115.97
17	A	855	CLA	C4-C3-C5	2.09	118.86	115.23
17	5	313	CLA	CHD-C4C-NC	2.09	127.47	124.23
17	K	103	CLA	CHB-C4A-NA	2.09	127.42	124.40
25	1	314	5X6	C40-C22-C23	-2.09	114.89	118.09
17	5	305	CLA	C3B-C4B-NB	2.09	111.91	109.21
17	A	853	CLA	CED-O2D-CGD	2.09	120.66	115.92
17	A	808	CLA	C1B-CHB-C4A	-2.09	126.05	130.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	4	303	CLA	CHB-C4A-NA	2.09	127.42	124.40
17	B	827	CLA	C1B-CHB-C4A	-2.09	126.06	130.04
17	B	815	CLA	C4A-NA-C1A	-2.09	105.73	106.68
25	4	313	5X6	C39-C26-C27	-2.09	114.90	118.09
20	B	847	BCR	C35-C13-C14	-2.09	119.43	122.82
17	2	309	CLA	CHB-C4A-NA	2.09	127.41	124.40
17	A	815	CLA	C1B-CHB-C4A	-2.09	126.06	130.04
17	A	810	CLA	CHB-C4A-NA	2.09	127.41	124.40
17	B	833	CLA	O2A-CGA-O1A	-2.09	118.41	123.63
17	O	204	CLA	C2A-C1A-CHA	-2.09	120.25	123.87
17	2	305	CLA	C1-C2-C3	-2.09	122.78	126.20
17	B	831	CLA	CHD-C4C-NC	2.09	127.47	124.23
17	2	315	CLA	O1D-CGD-CBD	-2.09	120.41	124.52
25	2	317	5X6	C39-C26-C27	-2.08	114.90	118.09
20	K	104	BCR	C34-C9-C8	2.08	121.27	118.09
17	1	302	CLA	C1-O2A-CGA	2.08	121.69	116.65
17	2	308	CLA	CHB-C4A-NA	2.08	127.41	124.40
17	3	307	CLA	CHB-C4A-NA	2.08	127.41	124.40
17	A	824	CLA	CHD-C4C-NC	2.08	127.46	124.23
17	A	820	CLA	O2D-CGD-O1D	-2.08	119.80	123.85
17	4	303	CLA	C1-O2A-CGA	2.08	121.68	116.65
17	A	831	CLA	C1B-CHB-C4A	-2.08	126.08	130.04
17	B	827	CLA	CHB-C4A-NA	2.08	127.40	124.40
17	B	819	CLA	CBC-CAC-C3C	-2.08	106.79	112.42
17	A	819	CLA	CMB-C2B-C3B	2.08	128.84	124.68
20	M	101	BCR	C15-C14-C13	2.08	130.19	127.28
17	B	802	CLA	C4-C3-C5	2.08	118.83	115.23
17	2	304	CLA	CHB-C4A-NA	2.08	127.40	124.40
17	B	805	CLA	CBC-CAC-C3C	-2.08	106.79	112.42
17	1	306	CLA	CED-O2D-CGD	2.08	120.62	115.92
17	B	839	CLA	C1-C2-C3	-2.08	122.80	126.20
17	A	810	CLA	C1-C2-C3	-2.07	122.80	126.20
17	L	204	CLA	C1-C2-C3	-2.07	123.41	126.76
17	B	816	CLA	CMB-C2B-C3B	2.07	128.83	124.68
17	A	830	CLA	OBD-CAD-C3D	-2.07	123.57	128.42
17	A	827	CLA	O1D-CGD-CBD	-2.07	120.43	124.52
17	A	854	CLA	C5-C3-C2	-2.07	116.51	121.17
17	A	831	CLA	C5-C3-C2	2.07	125.82	121.17
17	2	305	CLA	C1-O2A-CGA	2.07	121.67	116.65
17	A	821	CLA	CHD-C4C-NC	2.07	127.44	124.23
25	3	318	5X6	C39-C26-C27	-2.07	114.92	118.09
17	A	807	CLA	C4A-NA-C1A	-2.07	105.73	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	2	304	CLA	O1D-CGD-CBD	-2.07	120.44	124.52
17	B	808	CLA	CHD-C4C-NC	2.07	127.44	124.23
17	3	308	CLA	O2A-CGA-CBA	2.07	120.54	114.00
16	A	801	CL0	C6-C5-C3	-2.07	108.43	113.47
17	1	307	CLA	CBC-CAC-C3C	-2.07	106.81	112.42
17	L	202	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
17	B	830	CLA	CMA-C3A-C2A	-2.07	105.99	113.98
17	5	303	CLA	CAA-C2A-C3A	-2.07	107.42	113.00
17	B	836	CLA	CHB-C4A-NA	2.07	127.38	124.40
17	A	823	CLA	CHD-C4C-NC	2.06	127.43	124.23
17	B	838	CLA	CHD-C4C-NC	2.06	127.43	124.23
20	B	803	BCR	C35-C13-C14	-2.06	119.47	122.82
17	A	836	CLA	CBC-CAC-C3C	-2.06	106.83	112.42
16	A	801	CL0	O2A-CGA-CBA	2.06	118.12	111.83
17	A	853	CLA	C1-O2A-CGA	2.06	121.64	116.65
17	1	309	CLA	CHB-C4A-NA	2.06	127.38	124.40
17	J	103	CLA	CHD-C4C-NC	2.06	127.43	124.23
25	5	316	5X6	C40-C22-C23	-2.06	114.94	118.09
17	L	203	CLA	CHD-C4C-NC	2.06	127.43	124.23
17	A	809	CLA	CMA-C3A-C2A	-2.06	106.01	113.98
17	B	820	CLA	C1-C2-C3	-2.06	122.82	126.20
17	A	805	CLA	CHD-C4C-NC	2.06	127.43	124.23
17	5	313	CLA	O2A-CGA-CBA	2.06	120.51	114.00
17	A	823	CLA	CMB-C2B-C3B	2.06	128.80	124.68
25	1	316	5X6	C23-C22-C21	-2.06	115.77	119.01
17	B	827	CLA	CHD-C4C-NC	2.06	127.42	124.23
20	O	202	BCR	C21-C20-C19	2.06	129.16	123.20
17	B	814	CLA	C4-C3-C5	2.06	118.80	115.23
17	A	831	CLA	CHB-C4A-NA	2.06	127.37	124.40
17	B	812	CLA	CHD-C4C-NC	2.06	127.42	124.23
17	A	838	CLA	O1D-CGD-CBD	-2.05	120.47	124.52
17	2	306	CLA	CHB-C4A-NA	2.05	127.36	124.40
20	A	843	BCR	C16-C15-C14	2.05	127.72	123.52
17	B	815	CLA	C2A-C1A-CHA	-2.05	120.30	123.87
17	4	310	CLA	CMB-C2B-C3B	2.05	128.79	124.68
17	B	813	CLA	C4-C3-C2	-2.05	118.36	123.63
17	A	838	CLA	CHD-C4C-NC	2.05	127.41	124.23
20	L	201	BCR	C36-C18-C17	-2.05	119.49	122.82
17	A	808	CLA	O2A-CGA-O1A	-2.05	118.50	123.63
17	5	308	CLA	C1B-CHB-C4A	-2.05	126.13	130.04
17	3	307	CLA	CMB-C2B-C1B	2.05	131.46	128.46
17	2	313	CLA	CAA-C2A-C1A	2.05	116.68	112.14

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	B	827	CLA	C1-O2A-CGA	2.05	121.61	116.65
20	K	104	BCR	C2-C1-C6	2.05	113.42	110.44
20	I	101	BCR	C34-C9-C10	-2.05	119.50	122.82
20	B	844	BCR	C20-C21-C22	2.05	130.15	127.28
20	B	846	BCR	C20-C21-C22	2.05	130.15	127.28
17	3	314	CLA	CHB-C4A-NA	2.05	127.36	124.40
17	A	830	CLA	C4A-NA-C1A	-2.05	105.75	106.68
17	O	205	CLA	CED-O2D-CGD	2.05	120.56	115.92
25	5	301	5X6	C40-C22-C23	-2.05	114.96	118.09
17	A	835	CLA	CED-O2D-CGD	2.05	120.56	115.92
17	A	809	CLA	CBC-CAC-C3C	-2.05	106.88	112.42
17	4	306	CLA	CHD-C4C-NC	2.05	127.40	124.23
17	A	813	CLA	O1D-CGD-CBD	-2.04	120.49	124.52
20	L	205	BCR	C16-C17-C18	2.04	130.14	127.28
17	3	307	CLA	C2A-C3A-C4A	-2.04	98.57	101.87
17	A	813	CLA	O2D-CGD-O1D	-2.04	119.88	123.85
17	B	821	CLA	CMB-C2B-C3B	2.04	128.76	124.68
17	B	841	CLA	C1-O2A-CGA	2.04	121.59	116.65
20	B	843	BCR	C12-C13-C14	2.04	122.22	119.01
20	I	101	BCR	C15-C14-C13	2.04	130.14	127.28
17	B	833	CLA	CMB-C2B-C3B	2.04	128.76	124.68
17	F	204	CLA	CED-O2D-CGD	2.04	120.54	115.92
17	A	803	CLA	CAA-C2A-C3A	-2.04	107.49	113.00
17	3	305	CLA	CHB-C4A-NA	2.04	127.34	124.40
17	K	102	CLA	CHB-C4A-NA	2.04	127.34	124.40
17	O	204	CLA	CBA-CAA-C2A	2.04	119.85	113.79
17	A	805	CLA	CMB-C2B-C3B	2.04	128.75	124.68
17	A	834	CLA	CHB-C4A-NA	2.04	127.34	124.40
17	1	311	CLA	O2A-CGA-CBA	2.03	120.43	114.00
17	B	808	CLA	C4-C3-C5	2.03	118.76	115.23
20	M	101	BCR	C37-C22-C23	2.03	121.19	118.09
17	A	807	CLA	O2A-C1-C2	2.03	115.93	108.11
17	5	309	CLA	O2A-CGA-O1A	-2.03	118.54	123.63
25	2	318	5X6	C01-C02-C07	-2.03	110.68	114.42
17	B	817	CLA	C3B-C4B-NB	2.03	111.84	109.21
17	B	806	CLA	C5-C3-C2	-2.03	116.61	121.17
17	4	308	CLA	O2A-CGA-CBA	2.03	120.41	114.00
17	A	807	CLA	C4D-CHA-C1A	-2.03	118.83	121.24
17	5	305	CLA	C1B-CHB-C4A	-2.03	126.17	130.04
17	B	821	CLA	OBD-CAD-C3D	-2.03	123.68	128.42
17	2	312	CLA	CHD-C4C-NC	2.03	127.37	124.23
20	K	104	BCR	C7-C8-C9	2.03	129.23	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	F	203	CLA	CHA-C1A-NA	-2.03	121.80	126.39
17	A	802	CLA	CMB-C2B-C3B	2.03	128.73	124.68
17	B	834	CLA	O2A-CGA-CBA	2.02	118.01	111.83
17	B	833	CLA	C4A-NA-C1A	-2.02	105.76	106.68
17	B	817	CLA	C1B-CHB-C4A	-2.02	126.19	130.04
17	5	306	CLA	O2A-CGA-CBA	2.02	120.39	114.00
20	I	101	BCR	C16-C15-C14	2.02	127.66	123.52
17	A	803	CLA	CMB-C2B-C3B	2.02	128.72	124.68
17	A	816	CLA	C4-C3-C5	2.02	118.74	115.23
25	2	321	5X6	C41-C17-C16	-2.02	115.00	118.09
17	2	313	CLA	CHD-C4C-NC	2.02	127.36	124.23
17	A	829	CLA	C5-C3-C4	2.02	119.24	114.59
17	B	827	CLA	C6-C7-C8	-2.02	109.25	115.97
17	A	853	CLA	C4-C3-C5	2.02	118.73	115.23
17	5	313	CLA	CED-O2D-CGD	2.02	120.49	115.92
17	A	822	CLA	O2A-CGA-CBA	2.02	117.99	111.83
17	A	804	CLA	C1-O2A-CGA	2.02	121.53	116.65
17	F	204	CLA	CHB-C4A-NA	2.02	127.31	124.40
17	A	826	CLA	C4D-C3D-CAD	-2.02	105.92	108.11
25	5	318	5X6	C06-C07-C02	2.01	117.19	112.18
17	4	310	CLA	CHB-C4A-NA	2.01	127.31	124.40
25	5	318	5X6	C39-C26-C27	-2.01	115.01	118.09
17	B	815	CLA	C6-C5-C3	2.01	118.37	113.47
20	B	845	BCR	C23-C22-C21	2.01	122.17	119.01
17	2	312	CLA	CHB-C4A-NA	2.01	127.30	124.40
17	2	309	CLA	C4C-C3C-C2C	-2.01	103.96	106.89
17	A	815	CLA	CHD-C4C-NC	2.01	127.35	124.23
25	2	318	5X6	C38-C30-C31	-2.01	110.72	114.42
17	K	103	CLA	CED-O2D-CGD	2.01	120.48	115.92
17	B	811	CLA	C1-C2-C3	-2.01	122.91	126.20
25	3	318	5X6	C28-C29-C30	-2.01	116.93	121.56
17	B	825	CLA	CAA-C2A-C3A	2.01	118.43	113.00
17	A	833	CLA	C5-C3-C2	2.01	125.67	121.17
17	B	824	CLA	CBC-CAC-C3C	-2.01	106.98	112.42
17	4	304	CLA	O2D-CGD-O1D	-2.01	119.94	123.85
17	5	304	CLA	CBC-CAC-C3C	-2.01	106.98	112.42
17	A	817	CLA	C6-C5-C3	2.01	118.36	113.47
17	A	822	CLA	C3B-C4B-NB	2.01	111.80	109.21
17	5	304	CLA	C1B-CHB-C4A	-2.01	126.21	130.04
17	A	854	CLA	C2A-C1A-CHA	-2.01	120.39	123.87
17	A	853	CLA	O2A-CGA-CBA	2.00	117.95	111.83
20	K	104	BCR	C21-C20-C19	2.00	129.01	123.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	3	312	CLA	CAA-C2A-C3A	-2.00	111.64	116.23
17	L	204	CLA	CAA-C2A-C1A	2.00	118.54	111.97
17	B	827	CLA	C4-C3-C5	2.00	118.70	115.23
17	A	835	CLA	CBA-CAA-C2A	-2.00	107.84	113.79
17	5	305	CLA	C1-C2-C3	-2.00	122.92	126.20
17	B	830	CLA	CHD-C4C-NC	2.00	127.33	124.23

All (144) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
16	A	801	CL0	NA
16	A	801	CL0	ND
16	A	801	CL0	NC
17	A	802	CLA	ND
17	A	803	CLA	ND
17	A	804	CLA	ND
17	A	805	CLA	ND
17	A	806	CLA	ND
17	A	808	CLA	ND
17	A	809	CLA	ND
17	A	811	CLA	ND
17	A	812	CLA	ND
17	A	813	CLA	ND
17	A	816	CLA	ND
17	A	817	CLA	ND
17	A	818	CLA	ND
17	A	819	CLA	ND
17	A	821	CLA	ND
17	A	822	CLA	ND
17	A	823	CLA	ND
17	A	824	CLA	ND
17	A	825	CLA	ND
17	A	826	CLA	ND
17	A	827	CLA	ND
17	A	828	CLA	ND
17	A	829	CLA	ND
17	A	830	CLA	ND
17	A	831	CLA	ND
17	A	832	CLA	ND
17	A	833	CLA	ND
17	A	834	CLA	ND
17	A	835	CLA	ND

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Mol	Chain	Res	Type	Atom
17	A	836	CLA	ND
17	A	837	CLA	ND
17	A	838	CLA	ND
17	A	839	CLA	ND
17	A	852	CLA	ND
17	A	853	CLA	ND
17	A	854	CLA	ND
17	A	855	CLA	ND
17	A	856	CLA	ND
17	A	859	CLA	ND
17	B	801	CLA	ND
17	B	802	CLA	ND
17	B	804	CLA	ND
17	B	805	CLA	ND
17	B	806	CLA	ND
17	B	807	CLA	ND
17	B	808	CLA	ND
17	B	809	CLA	ND
17	B	810	CLA	ND
17	B	811	CLA	ND
17	B	812	CLA	ND
17	B	813	CLA	ND
17	B	814	CLA	ND
17	B	815	CLA	ND
17	B	816	CLA	ND
17	B	818	CLA	ND
17	B	819	CLA	ND
17	B	820	CLA	ND
17	B	821	CLA	ND
17	B	823	CLA	ND
17	B	824	CLA	ND
17	B	825	CLA	ND
17	B	826	CLA	ND
17	B	827	CLA	ND
17	B	828	CLA	ND
17	B	829	CLA	ND
17	B	830	CLA	ND
17	B	832	CLA	ND
17	B	833	CLA	ND
17	B	834	CLA	ND
17	B	835	CLA	ND
17	B	836	CLA	ND

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Mol	Chain	Res	Type	Atom
17	B	837	CLA	ND
17	B	838	CLA	ND
17	B	839	CLA	ND
17	B	840	CLA	ND
17	B	841	CLA	ND
17	F	203	CLA	ND
17	F	204	CLA	ND
17	J	103	CLA	ND
17	K	103	CLA	ND
17	L	202	CLA	ND
17	L	203	CLA	ND
17	L	204	CLA	ND
17	O	203	CLA	ND
17	O	204	CLA	ND
17	O	205	CLA	ND
17	1	301	CLA	ND
17	1	302	CLA	ND
17	1	304	CLA	ND
17	1	305	CLA	ND
17	1	306	CLA	ND
17	1	307	CLA	ND
17	1	308	CLA	ND
17	1	309	CLA	ND
17	1	310	CLA	ND
17	1	311	CLA	ND
17	2	304	CLA	ND
17	2	305	CLA	ND
17	2	306	CLA	ND
17	2	308	CLA	ND
17	2	309	CLA	ND
17	2	310	CLA	ND
17	2	311	CLA	ND
17	2	312	CLA	ND
17	2	313	CLA	ND
17	2	314	CLA	ND
17	2	315	CLA	ND
17	2	316	CLA	ND
17	3	305	CLA	ND
17	3	306	CLA	ND
17	3	307	CLA	ND
17	3	308	CLA	ND
17	3	309	CLA	ND

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Mol	Chain	Res	Type	Atom
17	3	310	CLA	ND
17	3	311	CLA	ND
17	3	312	CLA	ND
17	3	313	CLA	ND
17	3	314	CLA	ND
17	3	315	CLA	ND
17	4	303	CLA	ND
17	4	304	CLA	ND
17	4	305	CLA	ND
17	4	306	CLA	ND
17	4	307	CLA	ND
17	4	308	CLA	ND
17	4	309	CLA	ND
17	4	310	CLA	ND
17	4	311	CLA	ND
17	5	302	CLA	ND
17	5	303	CLA	ND
17	5	304	CLA	ND
17	5	305	CLA	ND
17	5	306	CLA	ND
17	5	307	CLA	ND
17	5	308	CLA	ND
17	5	309	CLA	ND
17	5	310	CLA	ND
17	5	311	CLA	ND
17	5	312	CLA	ND
17	5	313	CLA	ND
17	5	314	CLA	ND

All (1751) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
17	A	804	CLA	C11-C10-C8-C9
17	A	806	CLA	CHA-CBD-CGD-O1D
17	A	806	CLA	CHA-CBD-CGD-O2D
17	A	809	CLA	CHA-CBD-CGD-O1D
17	A	809	CLA	CHA-CBD-CGD-O2D
17	A	813	CLA	C1A-C2A-CAA-CBA
17	A	816	CLA	C3A-C2A-CAA-CBA
17	A	823	CLA	CHA-CBD-CGD-O1D
17	A	823	CLA	CHA-CBD-CGD-O2D
17	A	828	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
17	A	828	CLA	CHA-CBD-CGD-O2D
17	A	831	CLA	C1A-C2A-CAA-CBA
17	A	832	CLA	CHA-CBD-CGD-O1D
17	A	832	CLA	CHA-CBD-CGD-O2D
17	A	856	CLA	C1A-C2A-CAA-CBA
17	A	856	CLA	C3A-C2A-CAA-CBA
17	A	859	CLA	CBD-CGD-O2D-CED
17	B	805	CLA	C1A-C2A-CAA-CBA
17	B	805	CLA	CHA-CBD-CGD-O1D
17	B	805	CLA	CHA-CBD-CGD-O2D
17	B	806	CLA	C1A-C2A-CAA-CBA
17	B	809	CLA	CHA-CBD-CGD-O1D
17	B	809	CLA	CHA-CBD-CGD-O2D
17	B	813	CLA	C1A-C2A-CAA-CBA
17	B	813	CLA	C3A-C2A-CAA-CBA
17	B	821	CLA	C1A-C2A-CAA-CBA
17	B	821	CLA	C3A-C2A-CAA-CBA
17	B	825	CLA	CHA-CBD-CGD-O1D
17	B	825	CLA	CHA-CBD-CGD-O2D
17	B	826	CLA	CHA-CBD-CGD-O1D
17	B	826	CLA	CHA-CBD-CGD-O2D
17	B	831	CLA	C3A-C2A-CAA-CBA
17	B	832	CLA	C1A-C2A-CAA-CBA
17	B	835	CLA	C1A-C2A-CAA-CBA
17	B	835	CLA	C3A-C2A-CAA-CBA
17	B	836	CLA	C6-C7-C8-C9
17	B	840	CLA	O1A-CGA-O2A-C1
17	K	102	CLA	C1A-C2A-CAA-CBA
17	L	203	CLA	C1A-C2A-CAA-CBA
17	L	203	CLA	C3A-C2A-CAA-CBA
17	O	204	CLA	C1A-C2A-CAA-CBA
17	O	204	CLA	C3A-C2A-CAA-CBA
17	O	205	CLA	CBD-CGD-O2D-CED
17	1	302	CLA	CHA-CBD-CGD-O1D
17	1	302	CLA	CHA-CBD-CGD-O2D
17	1	307	CLA	CBD-CGD-O2D-CED
17	1	311	CLA	CHA-CBD-CGD-O1D
17	1	311	CLA	CHA-CBD-CGD-O2D
17	2	304	CLA	CHA-CBD-CGD-O2D
17	2	304	CLA	CBD-CGD-O2D-CED
17	2	307	CLA	C1A-C2A-CAA-CBA
17	2	308	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
17	2	311	CLA	CHA-CBD-CGD-O1D
17	2	311	CLA	CHA-CBD-CGD-O2D
17	2	312	CLA	CHA-CBD-CGD-O1D
17	2	312	CLA	CHA-CBD-CGD-O2D
17	2	313	CLA	C1A-C2A-CAA-CBA
17	2	313	CLA	CBD-CGD-O2D-CED
17	2	314	CLA	CBD-CGD-O2D-CED
17	2	316	CLA	CBD-CGD-O2D-CED
17	3	310	CLA	C3A-C2A-CAA-CBA
17	3	313	CLA	C1A-C2A-CAA-CBA
17	3	313	CLA	C3A-C2A-CAA-CBA
17	3	314	CLA	CBA-CGA-O2A-C1
17	3	314	CLA	O1A-CGA-O2A-C1
17	3	315	CLA	CHA-CBD-CGD-O1D
17	3	315	CLA	CHA-CBD-CGD-O2D
17	4	303	CLA	CHA-CBD-CGD-O1D
17	4	303	CLA	CHA-CBD-CGD-O2D
17	4	305	CLA	CHA-CBD-CGD-O1D
17	4	305	CLA	CHA-CBD-CGD-O2D
17	4	306	CLA	CBD-CGD-O2D-CED
17	4	307	CLA	C1A-C2A-CAA-CBA
17	4	307	CLA	C3A-C2A-CAA-CBA
17	4	307	CLA	CHA-CBD-CGD-O1D
17	4	307	CLA	CHA-CBD-CGD-O2D
17	4	308	CLA	CBD-CGD-O2D-CED
17	4	309	CLA	CBD-CGD-O2D-CED
17	4	310	CLA	C1A-C2A-CAA-CBA
17	4	310	CLA	C3A-C2A-CAA-CBA
17	5	302	CLA	CBD-CGD-O2D-CED
17	5	309	CLA	CHA-CBD-CGD-O1D
17	5	309	CLA	CHA-CBD-CGD-O2D
17	5	310	CLA	CBD-CGD-O2D-CED
17	5	311	CLA	CBD-CGD-O2D-CED
17	5	312	CLA	CBD-CGD-O2D-CED
17	5	313	CLA	CBD-CGD-O2D-CED
19	A	841	LHG	C4-O6-P-O3
19	A	841	LHG	C4-O6-P-O5
19	A	842	LHG	O1-C1-C2-C3
19	A	842	LHG	C3-O3-P-O5
19	J	102	LHG	C1-C2-C3-O3
19	J	102	LHG	C3-O3-P-O4
19	J	102	LHG	C3-O3-P-O5

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Mol	Chain	Res	Type	Atoms
19	J	102	LHG	C3-O3-P-O6
20	A	843	BCR	C5-C6-C7-C8
20	A	843	BCR	C21-C22-C23-C24
20	A	843	BCR	C23-C24-C25-C26
20	A	844	BCR	C17-C18-C19-C20
20	A	844	BCR	C18-C19-C20-C21
20	A	844	BCR	C20-C21-C22-C23
20	A	844	BCR	C20-C21-C22-C37
20	A	844	BCR	C22-C23-C24-C25
20	A	845	BCR	C21-C22-C23-C24
20	A	845	BCR	C37-C22-C23-C24
20	B	803	BCR	C7-C8-C9-C10
20	B	803	BCR	C7-C8-C9-C34
20	B	844	BCR	C7-C8-C9-C10
20	B	844	BCR	C7-C8-C9-C34
20	B	845	BCR	C6-C7-C8-C9
20	B	845	BCR	C11-C10-C9-C8
20	B	845	BCR	C11-C10-C9-C34
20	B	845	BCR	C10-C11-C12-C13
20	K	104	BCR	C17-C18-C19-C20
20	K	104	BCR	C22-C23-C24-C25
20	L	205	BCR	C21-C22-C23-C24
20	L	205	BCR	C23-C24-C25-C26
20	L	205	BCR	C23-C24-C25-C30
20	L	206	BCR	C22-C23-C24-C25
20	M	101	BCR	C22-C23-C24-C25
20	O	202	BCR	C7-C8-C9-C34
22	B	852	LMT	C2'-C1'-O1'-C1
24	B	849	DGD	C2B-C1B-O2G-C2G
25	F	205	5X6	C15-C16-C17-C41
25	F	205	5X6	C24-C25-C26-C39
25	F	205	5X6	C03-C11-C12-C13
25	F	205	5X6	C02-C03-C11-C12
25	F	205	5X6	C12-C13-C14-C15
25	F	205	5X6	C20-C21-C22-C40
25	J	105	5X6	C41-C17-C18-C19
25	J	105	5X6	C15-C16-C17-C18
25	J	105	5X6	C24-C25-C26-C39
25	J	105	5X6	C02-C03-C11-C12
25	J	105	5X6	C42-C13-C14-C15
25	J	105	5X6	C27-C28-C29-C30
25	J	105	5X6	C20-C21-C22-C40

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Mol	Chain	Res	Type	Atoms
25	J	105	5X6	C40-C22-C23-C24
25	J	105	5X6	C21-C22-C23-C24
25	1	312	5X6	C41-C17-C18-C19
25	1	312	5X6	C14-C15-C16-C17
25	1	312	5X6	C24-C25-C26-C39
25	1	312	5X6	C18-C19-C20-C21
25	1	312	5X6	C03-C11-C12-C13
25	1	312	5X6	C11-C12-C13-C14
25	1	312	5X6	C11-C12-C13-C42
25	1	312	5X6	C12-C13-C14-C15
25	1	312	5X6	C42-C13-C14-C15
25	1	312	5X6	C20-C21-C22-C40
25	1	312	5X6	C20-C21-C22-C23
25	1	312	5X6	C40-C22-C23-C24
25	1	313	5X6	C16-C17-C18-C19
25	1	313	5X6	C25-C26-C27-C28
25	1	313	5X6	C24-C25-C26-C39
25	1	313	5X6	C03-C11-C12-C13
25	1	313	5X6	C11-C12-C13-C42
25	1	313	5X6	C42-C13-C14-C15
25	1	313	5X6	C13-C14-C15-C16
25	1	313	5X6	C27-C28-C29-C30
25	1	313	5X6	C20-C21-C22-C40
25	1	314	5X6	C41-C17-C18-C19
25	1	314	5X6	C15-C16-C17-C18
25	1	314	5X6	C15-C16-C17-C41
25	1	314	5X6	C14-C15-C16-C17
25	1	314	5X6	C24-C25-C26-C27
25	1	314	5X6	C12-C13-C14-C15
25	1	314	5X6	C42-C13-C14-C15
25	1	314	5X6	C26-C27-C28-C29
25	1	314	5X6	C20-C21-C22-C40
25	1	314	5X6	C20-C21-C22-C23
25	1	314	5X6	C22-C23-C24-C25
25	1	315	5X6	C16-C17-C18-C19
25	1	315	5X6	C41-C17-C18-C19
25	1	315	5X6	C15-C16-C17-C18
25	1	315	5X6	C14-C15-C16-C17
25	1	315	5X6	C25-C26-C27-C28
25	1	315	5X6	C24-C25-C26-C27
25	1	315	5X6	C18-C19-C20-C21
25	1	315	5X6	C03-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
25	1	315	5X6	C02-C03-C11-C12
25	1	315	5X6	C12-C13-C14-C15
25	1	315	5X6	C42-C13-C14-C15
25	1	315	5X6	C26-C27-C28-C29
25	1	315	5X6	C20-C21-C22-C40
25	1	315	5X6	C20-C21-C22-C23
25	1	315	5X6	C40-C22-C23-C24
25	1	316	5X6	C41-C17-C18-C19
25	1	316	5X6	C17-C18-C19-C20
25	1	316	5X6	C25-C26-C27-C28
25	1	316	5X6	C24-C25-C26-C39
25	1	316	5X6	C18-C19-C20-C21
25	1	316	5X6	C03-C11-C12-C13
25	1	316	5X6	C42-C13-C14-C15
25	1	316	5X6	C20-C21-C22-C40
25	1	316	5X6	C20-C21-C22-C23
25	1	316	5X6	C21-C22-C23-C24
25	2	317	5X6	C16-C17-C18-C19
25	2	317	5X6	C41-C17-C18-C19
25	2	317	5X6	C15-C16-C17-C41
25	2	317	5X6	C17-C18-C19-C20
25	2	317	5X6	C14-C15-C16-C17
25	2	317	5X6	C39-C26-C27-C28
25	2	317	5X6	C24-C25-C26-C39
25	2	317	5X6	C18-C19-C20-C21
25	2	317	5X6	C02-C03-C11-C12
25	2	317	5X6	C11-C12-C13-C14
25	2	317	5X6	C12-C13-C14-C15
25	2	317	5X6	C42-C13-C14-C15
25	2	317	5X6	C19-C20-C21-C22
25	2	317	5X6	C20-C21-C22-C40
25	2	317	5X6	C20-C21-C22-C23
25	2	317	5X6	C40-C22-C23-C24
25	2	317	5X6	C22-C23-C24-C25
25	2	318	5X6	C41-C17-C18-C19
25	2	318	5X6	C15-C16-C17-C18
25	2	318	5X6	C15-C16-C17-C41
25	2	318	5X6	C25-C26-C27-C28
25	2	318	5X6	C24-C25-C26-C39
25	2	318	5X6	C24-C25-C26-C27
25	2	318	5X6	C11-C12-C13-C14
25	2	318	5X6	C42-C13-C14-C15

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Mol	Chain	Res	Type	Atoms
25	2	318	5X6	C20-C21-C22-C23
25	2	318	5X6	C21-C22-C23-C24
25	2	318	5X6	C22-C23-C24-C25
25	2	319	5X6	C16-C17-C18-C19
25	2	319	5X6	C15-C16-C17-C18
25	2	319	5X6	C14-C15-C16-C17
25	2	319	5X6	C25-C26-C27-C28
25	2	319	5X6	C24-C25-C26-C39
25	2	319	5X6	C24-C25-C26-C27
25	2	319	5X6	C18-C19-C20-C21
25	2	319	5X6	C12-C13-C14-C15
25	2	319	5X6	C42-C13-C14-C15
25	2	319	5X6	C20-C21-C22-C40
25	2	319	5X6	C21-C22-C23-C24
25	2	319	5X6	C22-C23-C24-C25
25	2	320	5X6	C41-C17-C18-C19
25	2	320	5X6	C14-C15-C16-C17
25	2	320	5X6	C39-C26-C27-C28
25	2	320	5X6	C25-C26-C27-C28
25	2	320	5X6	C24-C25-C26-C27
25	2	320	5X6	C18-C19-C20-C21
25	2	320	5X6	C11-C12-C13-C42
25	2	320	5X6	C12-C13-C14-C15
25	2	320	5X6	C42-C13-C14-C15
25	2	320	5X6	C26-C27-C28-C29
25	2	320	5X6	C20-C21-C22-C40
25	2	320	5X6	C22-C23-C24-C25
25	2	321	5X6	C16-C17-C18-C19
25	2	321	5X6	C41-C17-C18-C19
25	2	321	5X6	C39-C26-C27-C28
25	2	321	5X6	C25-C26-C27-C28
25	2	321	5X6	C24-C25-C26-C39
25	2	321	5X6	C24-C25-C26-C27
25	2	321	5X6	C18-C19-C20-C21
25	2	321	5X6	C03-C11-C12-C13
25	2	321	5X6	C42-C13-C14-C15
25	2	321	5X6	C27-C28-C29-C34
25	2	321	5X6	C26-C27-C28-C29
25	2	321	5X6	C20-C21-C22-C40
25	2	321	5X6	C20-C21-C22-C23
25	2	321	5X6	C40-C22-C23-C24
25	2	321	5X6	C22-C23-C24-C25

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Mol	Chain	Res	Type	Atoms
25	3	316	5X6	C16-C17-C18-C19
25	3	316	5X6	C15-C16-C17-C41
25	3	316	5X6	C14-C15-C16-C17
25	3	316	5X6	C24-C25-C26-C39
25	3	316	5X6	C18-C19-C20-C21
25	3	316	5X6	C03-C11-C12-C13
25	3	316	5X6	C02-C03-C11-C12
25	3	316	5X6	C11-C12-C13-C14
25	3	316	5X6	C42-C13-C14-C15
25	3	316	5X6	C27-C28-C29-C30
25	3	316	5X6	C20-C21-C22-C40
25	3	316	5X6	C20-C21-C22-C23
25	3	316	5X6	C22-C23-C24-C25
25	3	317	5X6	C16-C17-C18-C19
25	3	317	5X6	C41-C17-C18-C19
25	3	317	5X6	C14-C15-C16-C17
25	3	317	5X6	C24-C25-C26-C39
25	3	317	5X6	C24-C25-C26-C27
25	3	317	5X6	C11-C12-C13-C14
25	3	317	5X6	C42-C13-C14-C15
25	3	317	5X6	C19-C20-C21-C22
25	3	317	5X6	C20-C21-C22-C40
25	3	317	5X6	C20-C21-C22-C23
25	3	317	5X6	C22-C23-C24-C25
25	3	317	5X6	C23-C24-C25-C26
25	3	318	5X6	C41-C17-C18-C19
25	3	318	5X6	C25-C26-C27-C28
25	3	318	5X6	C24-C25-C26-C39
25	3	318	5X6	C18-C19-C20-C21
25	3	318	5X6	C42-C13-C14-C15
25	3	318	5X6	C20-C21-C22-C40
25	3	318	5X6	C20-C21-C22-C23
25	3	318	5X6	C23-C24-C25-C26
25	4	312	5X6	C16-C17-C18-C19
25	4	312	5X6	C41-C17-C18-C19
25	4	312	5X6	C15-C16-C17-C41
25	4	312	5X6	C14-C15-C16-C17
25	4	312	5X6	C39-C26-C27-C28
25	4	312	5X6	C24-C25-C26-C39
25	4	312	5X6	C24-C25-C26-C27
25	4	312	5X6	C18-C19-C20-C21
25	4	312	5X6	C03-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
25	4	312	5X6	C11-C12-C13-C42
25	4	312	5X6	C42-C13-C14-C15
25	4	312	5X6	C27-C28-C29-C34
25	4	312	5X6	C26-C27-C28-C29
25	4	312	5X6	C20-C21-C22-C40
25	4	312	5X6	C22-C23-C24-C25
25	4	313	5X6	C41-C17-C18-C19
25	4	313	5X6	C18-C19-C20-C21
25	4	313	5X6	C02-C03-C11-C12
25	4	313	5X6	C11-C12-C13-C14
25	4	313	5X6	C42-C13-C14-C15
25	4	313	5X6	C19-C20-C21-C22
25	4	313	5X6	C27-C28-C29-C30
25	4	313	5X6	C26-C27-C28-C29
25	4	313	5X6	C20-C21-C22-C23
25	4	313	5X6	C40-C22-C23-C24
25	4	313	5X6	C22-C23-C24-C25
25	4	314	5X6	C41-C17-C18-C19
25	4	314	5X6	C15-C16-C17-C18
25	4	314	5X6	C15-C16-C17-C41
25	4	314	5X6	C17-C18-C19-C20
25	4	314	5X6	C14-C15-C16-C17
25	4	314	5X6	C24-C25-C26-C39
25	4	314	5X6	C24-C25-C26-C27
25	4	314	5X6	C18-C19-C20-C21
25	4	314	5X6	C11-C12-C13-C14
25	4	314	5X6	C42-C13-C14-C15
25	4	314	5X6	C26-C27-C28-C29
25	4	314	5X6	C20-C21-C22-C40
25	4	314	5X6	C20-C21-C22-C23
25	4	314	5X6	C22-C23-C24-C25
25	5	301	5X6	C41-C17-C18-C19
25	5	301	5X6	C15-C16-C17-C18
25	5	301	5X6	C17-C18-C19-C20
25	5	301	5X6	C24-C25-C26-C39
25	5	301	5X6	C11-C12-C13-C42
25	5	301	5X6	C12-C13-C14-C15
25	5	301	5X6	C42-C13-C14-C15
25	5	301	5X6	C13-C14-C15-C16
25	5	301	5X6	C20-C21-C22-C40
25	5	301	5X6	C20-C21-C22-C23
25	5	301	5X6	C21-C22-C23-C24

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Mol	Chain	Res	Type	Atoms
25	5	301	5X6	C22-C23-C24-C25
25	5	315	5X6	C41-C17-C18-C19
25	5	315	5X6	C14-C15-C16-C17
25	5	315	5X6	C25-C26-C27-C28
25	5	315	5X6	C24-C25-C26-C39
25	5	315	5X6	C18-C19-C20-C21
25	5	315	5X6	C02-C03-C11-C12
25	5	315	5X6	C11-C12-C13-C14
25	5	315	5X6	C12-C13-C14-C15
25	5	315	5X6	C42-C13-C14-C15
25	5	315	5X6	C27-C28-C29-C34
25	5	315	5X6	C20-C21-C22-C40
25	5	315	5X6	C20-C21-C22-C23
25	5	315	5X6	C22-C23-C24-C25
25	5	316	5X6	C41-C17-C18-C19
25	5	316	5X6	C39-C26-C27-C28
25	5	316	5X6	C24-C25-C26-C39
25	5	316	5X6	C18-C19-C20-C21
25	5	316	5X6	C11-C12-C13-C14
25	5	316	5X6	C42-C13-C14-C15
25	5	316	5X6	C20-C21-C22-C40
25	5	316	5X6	C40-C22-C23-C24
25	5	317	5X6	C16-C17-C18-C19
25	5	317	5X6	C15-C16-C17-C18
25	5	317	5X6	C15-C16-C17-C41
25	5	317	5X6	C14-C15-C16-C17
25	5	317	5X6	C25-C26-C27-C28
25	5	317	5X6	C24-C25-C26-C39
25	5	317	5X6	C18-C19-C20-C21
25	5	317	5X6	C03-C11-C12-C13
25	5	317	5X6	C11-C12-C13-C14
25	5	317	5X6	C42-C13-C14-C15
25	5	317	5X6	C19-C20-C21-C22
25	5	317	5X6	C20-C21-C22-C40
25	5	317	5X6	C22-C23-C24-C25
25	5	318	5X6	C41-C17-C18-C19
25	5	318	5X6	C39-C26-C27-C28
25	5	318	5X6	C25-C26-C27-C28
25	5	318	5X6	C24-C25-C26-C27
25	5	318	5X6	C18-C19-C20-C21
25	5	318	5X6	C11-C12-C13-C14
25	5	318	5X6	C42-C13-C14-C15

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Mol	Chain	Res	Type	Atoms
25	5	318	5X6	C26-C27-C28-C29
25	5	318	5X6	C20-C21-C22-C40
25	5	318	5X6	C22-C23-C24-C25
17	L	202	CLA	O1D-CGD-O2D-CED
17	1	307	CLA	O1D-CGD-O2D-CED
17	3	306	CLA	O1D-CGD-O2D-CED
17	4	308	CLA	O1D-CGD-O2D-CED
17	4	311	CLA	O1D-CGD-O2D-CED
17	A	859	CLA	C4C-C3C-CAC-CBC
17	J	103	CLA	O1D-CGD-O2D-CED
17	O	203	CLA	O1D-CGD-O2D-CED
17	O	204	CLA	O1D-CGD-O2D-CED
17	3	314	CLA	O1D-CGD-O2D-CED
17	5	304	CLA	O1D-CGD-O2D-CED
17	5	313	CLA	O1D-CGD-O2D-CED
17	B	816	CLA	CBD-CGD-O2D-CED
17	B	823	CLA	CBD-CGD-O2D-CED
17	J	103	CLA	CBD-CGD-O2D-CED
17	L	202	CLA	CBD-CGD-O2D-CED
17	O	203	CLA	CBD-CGD-O2D-CED
17	O	204	CLA	CBD-CGD-O2D-CED
17	1	301	CLA	CBD-CGD-O2D-CED
17	1	310	CLA	CBD-CGD-O2D-CED
17	3	306	CLA	CBD-CGD-O2D-CED
17	3	308	CLA	CBD-CGD-O2D-CED
17	3	312	CLA	CBD-CGD-O2D-CED
17	3	314	CLA	CBD-CGD-O2D-CED
17	3	315	CLA	CBD-CGD-O2D-CED
17	4	311	CLA	CBD-CGD-O2D-CED
17	5	304	CLA	CBD-CGD-O2D-CED
17	5	308	CLA	CBD-CGD-O2D-CED
17	B	805	CLA	O1A-CGA-O2A-C1
17	5	303	CLA	O1A-CGA-O2A-C1
17	A	859	CLA	C2C-C3C-CAC-CBC
22	A	848	LMT	O5B-C1B-O1B-C4'
17	1	311	CLA	CBD-CGD-O2D-CED
17	5	307	CLA	CBD-CGD-O2D-CED
17	A	810	CLA	O1A-CGA-O2A-C1
17	B	831	CLA	O1A-CGA-O2A-C1
17	B	857	CLA	O1A-CGA-O2A-C1
17	1	305	CLA	C4C-C3C-CAC-CBC
17	A	859	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
17	1	310	CLA	O1D-CGD-O2D-CED
17	2	304	CLA	O1D-CGD-O2D-CED
17	2	313	CLA	O1D-CGD-O2D-CED
17	2	316	CLA	O1D-CGD-O2D-CED
17	4	306	CLA	O1D-CGD-O2D-CED
17	5	310	CLA	O1D-CGD-O2D-CED
17	5	311	CLA	O1D-CGD-O2D-CED
17	O	205	CLA	O1D-CGD-O2D-CED
17	2	308	CLA	O1D-CGD-O2D-CED
17	2	314	CLA	O1D-CGD-O2D-CED
17	4	309	CLA	O1D-CGD-O2D-CED
17	5	302	CLA	O1D-CGD-O2D-CED
17	5	312	CLA	O1D-CGD-O2D-CED
17	1	305	CLA	C2C-C3C-CAC-CBC
24	B	849	DGD	O1B-C1B-O2G-C2G
17	A	859	CLA	CBA-CGA-O2A-C1
17	A	804	CLA	C3-C5-C6-C7
17	A	812	CLA	C3-C5-C6-C7
17	A	818	CLA	C3-C5-C6-C7
17	A	819	CLA	C3-C5-C6-C7
17	A	833	CLA	C3-C5-C6-C7
17	B	810	CLA	C3-C5-C6-C7
17	B	811	CLA	C3-C5-C6-C7
17	B	812	CLA	C3-C5-C6-C7
17	B	813	CLA	C3-C5-C6-C7
17	K	102	CLA	C3-C5-C6-C7
17	2	307	CLA	C3-C5-C6-C7
17	5	305	CLA	C3-C5-C6-C7
17	A	810	CLA	CBA-CGA-O2A-C1
17	B	812	CLA	CBA-CGA-O2A-C1
17	B	832	CLA	CBA-CGA-O2A-C1
17	B	840	CLA	CBA-CGA-O2A-C1
17	A	808	CLA	CBD-CGD-O2D-CED
17	B	812	CLA	CBD-CGD-O2D-CED
17	B	830	CLA	CBD-CGD-O2D-CED
17	F	204	CLA	CBD-CGD-O2D-CED
17	1	303	CLA	CBD-CGD-O2D-CED
17	2	307	CLA	CBD-CGD-O2D-CED
17	2	309	CLA	CBD-CGD-O2D-CED
17	2	312	CLA	CBD-CGD-O2D-CED
17	3	310	CLA	CBD-CGD-O2D-CED
17	3	313	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
17	4	307	CLA	CBD-CGD-O2D-CED
17	5	306	CLA	CBD-CGD-O2D-CED
17	A	859	CLA	O1A-CGA-O2A-C1
17	A	808	CLA	C4-C3-C5-C6
17	A	834	CLA	C4-C3-C5-C6
17	B	805	CLA	C4-C3-C5-C6
17	B	812	CLA	C4-C3-C5-C6
17	B	840	CLA	C4-C3-C5-C6
17	1	303	CLA	C4-C3-C5-C6
17	A	808	CLA	C2-C3-C5-C6
17	B	805	CLA	C2-C3-C5-C6
17	B	812	CLA	C2-C3-C5-C6
17	B	840	CLA	C2-C3-C5-C6
17	1	303	CLA	C2-C3-C5-C6
22	A	848	LMT	C3'-C4'-O1B-C1B
17	B	822	CLA	CBA-CGA-O2A-C1
17	1	304	CLA	CBD-CGD-O2D-CED
17	2	307	CLA	C2A-CAA-CBA-CGA
17	B	808	CLA	C3-C5-C6-C7
18	A	840	PQN	C13-C15-C16-C17
17	A	838	CLA	CBA-CGA-O2A-C1
17	B	805	CLA	CBA-CGA-O2A-C1
17	B	828	CLA	CBA-CGA-O2A-C1
17	B	831	CLA	CBA-CGA-O2A-C1
17	B	857	CLA	CBA-CGA-O2A-C1
17	3	315	CLA	CBA-CGA-O2A-C1
17	5	303	CLA	CBA-CGA-O2A-C1
17	B	822	CLA	O1A-CGA-O2A-C1
22	B	852	LMT	O5'-C5'-C6'-O6'
22	F	201	LMT	O5'-C5'-C6'-O6'
25	J	105	5X6	C17-C18-C19-C20
25	1	315	5X6	C19-C20-C21-C22
25	1	316	5X6	C19-C20-C21-C22
25	2	318	5X6	C19-C20-C21-C22
25	2	318	5X6	C23-C24-C25-C26
25	2	319	5X6	C13-C14-C15-C16
25	2	319	5X6	C23-C24-C25-C26
25	2	320	5X6	C23-C24-C25-C26
25	3	316	5X6	C17-C18-C19-C20
25	4	312	5X6	C13-C14-C15-C16
25	4	314	5X6	C13-C14-C15-C16
25	5	301	5X6	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
25	5	317	5X6	C23-C24-C25-C26
25	5	318	5X6	C23-C24-C25-C26
17	A	807	CLA	O1A-CGA-O2A-C1
17	A	836	CLA	O1A-CGA-O2A-C1
17	B	812	CLA	O1A-CGA-O2A-C1
17	B	824	CLA	O1A-CGA-O2A-C1
17	B	828	CLA	O1A-CGA-O2A-C1
17	L	202	CLA	O1A-CGA-O2A-C1
17	5	308	CLA	O1D-CGD-O2D-CED
17	1	301	CLA	O1D-CGD-O2D-CED
17	3	315	CLA	O1D-CGD-O2D-CED
17	A	832	CLA	CBD-CGD-O2D-CED
17	1	305	CLA	CBD-CGD-O2D-CED
17	1	301	CLA	C2C-C3C-CAC-CBC
17	A	836	CLA	CBA-CGA-O2A-C1
17	B	838	CLA	CBA-CGA-O2A-C1
17	L	202	CLA	CBA-CGA-O2A-C1
17	L	204	CLA	CBA-CGA-O2A-C1
17	B	832	CLA	O1A-CGA-O2A-C1
17	F	204	CLA	C2C-C3C-CAC-CBC
17	3	308	CLA	O1D-CGD-O2D-CED
17	3	312	CLA	O1D-CGD-O2D-CED
17	B	840	CLA	CBD-CGD-O2D-CED
22	B	852	LMT	O5B-C5B-C6B-O6B
22	F	201	LMT	O5B-C5B-C6B-O6B
17	A	802	CLA	C3-C5-C6-C7
17	B	801	CLA	C3-C5-C6-C7
17	B	818	CLA	CBD-CGD-O2D-CED
17	1	308	CLA	CBD-CGD-O2D-CED
17	4	305	CLA	CBD-CGD-O2D-CED
17	B	816	CLA	O1D-CGD-O2D-CED
17	A	807	CLA	CBA-CGA-O2A-C1
17	B	824	CLA	CBA-CGA-O2A-C1
17	A	815	CLA	C4-C3-C5-C6
17	B	802	CLA	C4-C3-C5-C6
17	B	813	CLA	C4-C3-C5-C6
17	B	815	CLA	C4-C3-C5-C6
17	B	817	CLA	C4-C3-C5-C6
17	A	815	CLA	C2-C3-C5-C6
17	B	802	CLA	C2-C3-C5-C6
17	B	813	CLA	C2-C3-C5-C6
17	B	815	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
17	B	817	CLA	C2-C3-C5-C6
17	A	838	CLA	O1A-CGA-O2A-C1
17	B	838	CLA	O1A-CGA-O2A-C1
17	L	204	CLA	O1A-CGA-O2A-C1
17	3	315	CLA	O1A-CGA-O2A-C1
22	F	201	LMT	C4'-C5'-C6'-O6'
22	3	301	LMT	C4'-C5'-C6'-O6'
17	A	804	CLA	CBD-CGD-O2D-CED
17	A	813	CLA	CBD-CGD-O2D-CED
19	J	102	LHG	C2-C3-O3-P
22	B	851	LMT	O5'-C5'-C6'-O6'
22	B	852	LMT	C4'-C5'-C6'-O6'
17	A	827	CLA	C2A-CAA-CBA-CGA
17	1	305	CLA	C2A-CAA-CBA-CGA
17	5	313	CLA	C2A-CAA-CBA-CGA
22	B	852	LMT	O5'-C1'-O1'-C1
17	B	823	CLA	O1D-CGD-O2D-CED
17	B	816	CLA	CBA-CGA-O2A-C1
17	B	810	CLA	CBD-CGD-O2D-CED
17	2	306	CLA	CBD-CGD-O2D-CED
17	A	808	CLA	O1D-CGD-O2D-CED
17	B	830	CLA	O1D-CGD-O2D-CED
17	1	311	CLA	O1D-CGD-O2D-CED
17	5	307	CLA	O1D-CGD-O2D-CED
17	A	834	CLA	CBD-CGD-O2D-CED
17	B	828	CLA	CBD-CGD-O2D-CED
17	L	204	CLA	CBD-CGD-O2D-CED
25	F	205	5X6	C23-C24-C25-C26
25	J	105	5X6	C19-C20-C21-C22
17	B	816	CLA	O1A-CGA-O2A-C1
17	A	802	CLA	CBA-CGA-O2A-C1
17	A	808	CLA	CBA-CGA-O2A-C1
17	A	821	CLA	CBA-CGA-O2A-C1
17	A	822	CLA	CBA-CGA-O2A-C1
17	A	839	CLA	CBA-CGA-O2A-C1
17	B	802	CLA	CBA-CGA-O2A-C1
17	B	815	CLA	CBA-CGA-O2A-C1
17	B	815	CLA	CBD-CGD-O2D-CED
17	5	303	CLA	CBD-CGD-O2D-CED
17	4	307	CLA	O1D-CGD-O2D-CED
17	A	806	CLA	C13-C15-C16-C17
17	B	807	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
17	A	834	CLA	C2-C3-C5-C6
17	B	807	CLA	C2-C3-C5-C6
17	1	308	CLA	C2C-C3C-CAC-CBC
17	1	309	CLA	CBD-CGD-O2D-CED
17	A	839	CLA	C11-C10-C8-C9
17	B	804	CLA	C14-C13-C15-C16
17	B	807	CLA	C6-C7-C8-C9
17	B	808	CLA	C11-C10-C8-C9
17	B	809	CLA	C6-C7-C8-C9
17	B	810	CLA	C11-C12-C13-C14
17	B	811	CLA	C11-C10-C8-C9
17	B	812	CLA	C6-C7-C8-C9
17	B	814	CLA	C11-C10-C8-C9
17	B	818	CLA	C11-C10-C8-C9
17	B	830	CLA	C6-C7-C8-C9
17	F	204	CLA	O1D-CGD-O2D-CED
19	J	102	LHG	O2-C2-C3-O3
17	2	312	CLA	O1D-CGD-O2D-CED
17	A	828	CLA	CBA-CGA-O2A-C1
17	A	821	CLA	O1A-CGA-O2A-C1
17	A	822	CLA	O1A-CGA-O2A-C1
17	A	839	CLA	O1A-CGA-O2A-C1
17	5	306	CLA	O1D-CGD-O2D-CED
20	A	843	BCR	C37-C22-C23-C24
20	A	844	BCR	C36-C18-C19-C20
20	B	845	BCR	C7-C8-C9-C34
20	K	104	BCR	C36-C18-C19-C20
20	L	205	BCR	C37-C22-C23-C24
25	J	105	5X6	C11-C12-C13-C42
25	1	312	5X6	C39-C26-C27-C28
25	1	313	5X6	C15-C16-C17-C41
25	1	313	5X6	C40-C22-C23-C24
25	1	314	5X6	C40-C22-C23-C24
25	1	315	5X6	C39-C26-C27-C28
25	1	316	5X6	C39-C26-C27-C28
25	2	319	5X6	C11-C12-C13-C42
25	2	320	5X6	C40-C22-C23-C24
25	3	316	5X6	C39-C26-C27-C28
25	3	316	5X6	C40-C22-C23-C24
25	3	317	5X6	C15-C16-C17-C41
25	3	317	5X6	C40-C22-C23-C24
25	3	318	5X6	C15-C16-C17-C41

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Mol	Chain	Res	Type	Atoms
25	3	318	5X6	C11-C12-C13-C42
25	3	318	5X6	C40-C22-C23-C24
25	4	312	5X6	C40-C22-C23-C24
25	4	313	5X6	C15-C16-C17-C41
25	4	313	5X6	C39-C26-C27-C28
25	4	313	5X6	C11-C12-C13-C42
25	4	314	5X6	C39-C26-C27-C28
25	4	314	5X6	C11-C12-C13-C42
25	5	301	5X6	C15-C16-C17-C41
25	5	301	5X6	C40-C22-C23-C24
25	5	315	5X6	C15-C16-C17-C41
25	5	315	5X6	C39-C26-C27-C28
25	5	315	5X6	C40-C22-C23-C24
25	5	316	5X6	C15-C16-C17-C41
25	5	317	5X6	C39-C26-C27-C28
25	5	317	5X6	C40-C22-C23-C24
25	5	318	5X6	C15-C16-C17-C41
25	5	318	5X6	C11-C12-C13-C42
22	3	301	LMT	O5'-C5'-C6'-O6'
20	M	101	BCR	C7-C8-C9-C10
25	F	205	5X6	C25-C26-C27-C28
25	F	205	5X6	C21-C22-C23-C24
25	J	105	5X6	C25-C26-C27-C28
25	1	314	5X6	C11-C12-C13-C14
25	1	315	5X6	C11-C12-C13-C14
25	1	315	5X6	C21-C22-C23-C24
25	2	320	5X6	C11-C12-C13-C14
25	4	312	5X6	C25-C26-C27-C28
22	B	851	LMT	C4'-C5'-C6'-O6'
17	2	308	CLA	C2C-C3C-CAC-CBC
17	B	802	CLA	O1A-CGA-O2A-C1
17	A	820	CLA	C3-C5-C6-C7
17	B	820	CLA	C3-C5-C6-C7
17	5	305	CLA	C10-C11-C12-C13
19	J	102	LHG	C23-C24-C25-C26
17	A	812	CLA	C2-C1-O2A-CGA
17	B	802	CLA	C2-C1-O2A-CGA
17	4	304	CLA	C2-C1-O2A-CGA
17	B	812	CLA	O1D-CGD-O2D-CED
17	2	307	CLA	O1D-CGD-O2D-CED
17	2	309	CLA	O1D-CGD-O2D-CED
17	A	826	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
17	A	827	CLA	C13-C15-C16-C17
17	B	820	CLA	C8-C10-C11-C12
17	B	826	CLA	C10-C11-C12-C13
17	B	828	CLA	C15-C16-C17-C18
17	B	841	CLA	C13-C15-C16-C17
22	B	850	LMT	O5'-C5'-C6'-O6'
19	A	842	LHG	O1-C1-C2-O2
22	L	207	LMT	C4B-C5B-C6B-O6B
17	A	808	CLA	O1A-CGA-O2A-C1
17	B	835	CLA	CBD-CGD-O2D-CED
17	A	804	CLA	C11-C12-C13-C15
17	A	817	CLA	C11-C10-C8-C7
17	B	819	CLA	C11-C10-C8-C7
17	5	308	CLA	C12-C13-C15-C16
19	J	102	LHG	C24-C23-O8-C6
17	B	837	CLA	C4-C3-C5-C6
24	B	849	DGD	O6E-C5E-C6E-O5E
25	1	314	5X6	C17-C18-C19-C20
25	4	314	5X6	C19-C20-C21-C22
25	5	318	5X6	C19-C20-C21-C22
17	3	310	CLA	O1D-CGD-O2D-CED
22	3	301	LMT	C4B-C5B-C6B-O6B
17	B	827	CLA	C3-C5-C6-C7
17	B	816	CLA	C10-C11-C12-C13
17	B	833	CLA	C15-C16-C17-C18
17	2	311	CLA	CBD-CGD-O2D-CED
17	1	303	CLA	O1D-CGD-O2D-CED
17	A	809	CLA	C10-C11-C12-C13
17	A	855	CLA	C10-C11-C12-C13
17	B	808	CLA	C13-C15-C16-C17
17	B	831	CLA	C5-C6-C7-C8
17	A	806	CLA	C2A-CAA-CBA-CGA
17	A	818	CLA	C2A-CAA-CBA-CGA
17	A	859	CLA	C2A-CAA-CBA-CGA
17	B	805	CLA	C2A-CAA-CBA-CGA
17	B	839	CLA	C2A-CAA-CBA-CGA
20	M	101	BCR	C10-C11-C12-C13
25	5	301	5X6	C14-C15-C16-C17
17	A	820	CLA	C15-C16-C17-C18
17	B	812	CLA	C15-C16-C17-C18
17	B	832	CLA	C8-C10-C11-C12
17	B	839	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
17	L	203	CLA	C8-C10-C11-C12
19	J	102	LHG	C7-C8-C9-C10
17	A	832	CLA	O1D-CGD-O2D-CED
17	3	313	CLA	O1D-CGD-O2D-CED
17	A	802	CLA	O1A-CGA-O2A-C1
17	B	815	CLA	O1A-CGA-O2A-C1
17	B	809	CLA	C3-C5-C6-C7
17	B	802	CLA	CBD-CGD-O2D-CED
17	1	305	CLA	O1D-CGD-O2D-CED
17	A	834	CLA	C8-C10-C11-C12
17	A	834	CLA	C15-C16-C17-C18
17	A	855	CLA	C8-C10-C11-C12
17	B	804	CLA	C15-C16-C17-C18
17	B	805	CLA	C13-C15-C16-C17
17	B	831	CLA	C10-C11-C12-C13
17	B	832	CLA	C5-C6-C7-C8
17	B	834	CLA	C10-C11-C12-C13
17	L	203	CLA	C13-C15-C16-C17
17	2	311	CLA	C5-C6-C7-C8
17	5	303	CLA	C15-C16-C17-C18
17	1	301	CLA	C4C-C3C-CAC-CBC
24	B	849	DGD	C1B-C2B-C3B-C4B
17	A	804	CLA	C5-C6-C7-C8
17	A	804	CLA	C10-C11-C12-C13
17	A	839	CLA	C10-C11-C12-C13
17	B	804	CLA	C8-C10-C11-C12
17	L	203	CLA	C5-C6-C7-C8
18	A	840	PQN	C18-C20-C21-C22
17	1	304	CLA	O1D-CGD-O2D-CED
17	A	807	CLA	C5-C6-C7-C8
17	B	810	CLA	O1D-CGD-O2D-CED
17	B	808	CLA	C10-C11-C12-C13
17	B	836	CLA	C8-C10-C11-C12
17	A	834	CLA	CBA-CGA-O2A-C1
24	B	849	DGD	C2A-C1A-O1G-C1G
17	A	855	CLA	CBD-CGD-O2D-CED
19	A	842	LHG	C8-C7-O7-C5
17	A	828	CLA	O1A-CGA-O2A-C1
19	J	102	LHG	O10-C23-O8-C6
17	B	814	CLA	C2C-C3C-CAC-CBC
17	4	303	CLA	C2C-C3C-CAC-CBC
17	K	103	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
25	1	315	5X6	C17-C18-C19-C20
25	1	315	5X6	C23-C24-C25-C26
25	2	319	5X6	C17-C18-C19-C20
25	2	321	5X6	C17-C18-C19-C20
25	2	321	5X6	C19-C20-C21-C22
25	5	301	5X6	C19-C20-C21-C22
25	5	317	5X6	C17-C18-C19-C20
19	A	842	LHG	O9-C7-O7-C5
17	A	820	CLA	C2A-CAA-CBA-CGA
17	B	839	CLA	CBA-CGA-O2A-C1
17	O	204	CLA	CBA-CGA-O2A-C1
17	5	314	CLA	CBA-CGA-O2A-C1
17	A	803	CLA	C5-C6-C7-C8
17	A	826	CLA	C13-C15-C16-C17
17	B	811	CLA	C13-C15-C16-C17
17	B	812	CLA	C10-C11-C12-C13
17	B	825	CLA	C15-C16-C17-C18
17	A	812	CLA	C10-C11-C12-C13
17	A	856	CLA	C13-C15-C16-C17
17	B	802	CLA	C8-C10-C11-C12
17	B	837	CLA	C5-C6-C7-C8
17	L	202	CLA	C5-C6-C7-C8
17	5	302	CLA	C2C-C3C-CAC-CBC
22	F	201	LMT	C4B-C5B-C6B-O6B
17	A	820	CLA	C10-C11-C12-C13
17	A	826	CLA	C8-C10-C11-C12
17	B	806	CLA	C15-C16-C17-C18
17	B	836	CLA	C5-C6-C7-C8
17	B	840	CLA	C13-C15-C16-C17
17	5	305	CLA	C15-C16-C17-C18
17	A	829	CLA	CBA-CGA-O2A-C1
17	5	309	CLA	CBA-CGA-O2A-C1
17	L	202	CLA	C8-C10-C11-C12
22	B	852	LMT	C4B-C5B-C6B-O6B
17	B	826	CLA	C13-C15-C16-C17
17	3	305	CLA	C13-C15-C16-C17
17	A	831	CLA	C3-C5-C6-C7
17	4	305	CLA	O1D-CGD-O2D-CED
17	B	814	CLA	C8-C10-C11-C12
17	A	804	CLA	O1D-CGD-O2D-CED
17	1	308	CLA	O1D-CGD-O2D-CED
17	B	832	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
20	A	843	BCR	C20-C21-C22-C37
20	A	845	BCR	C20-C21-C22-C37
20	A	857	BCR	C20-C21-C22-C37
20	B	803	BCR	C11-C10-C9-C34
20	B	846	BCR	C11-C10-C9-C34
20	B	847	BCR	C11-C10-C9-C34
20	I	101	BCR	C16-C17-C18-C36
20	K	104	BCR	C16-C17-C18-C36
25	F	205	5X6	C41-C17-C18-C19
25	1	315	5X6	C24-C25-C26-C39
25	2	320	5X6	C24-C25-C26-C39
25	5	317	5X6	C41-C17-C18-C19
22	L	207	LMT	O5B-C5B-C6B-O6B
20	A	857	BCR	C11-C12-C13-C35
20	L	206	BCR	C7-C8-C9-C34
20	M	101	BCR	C7-C8-C9-C34
25	F	205	5X6	C11-C12-C13-C42
25	1	312	5X6	C15-C16-C17-C41
25	1	313	5X6	C39-C26-C27-C28
25	1	314	5X6	C39-C26-C27-C28
25	1	316	5X6	C15-C16-C17-C41
25	1	316	5X6	C11-C12-C13-C42
25	1	316	5X6	C40-C22-C23-C24
25	2	318	5X6	C40-C22-C23-C24
25	2	319	5X6	C15-C16-C17-C41
25	2	319	5X6	C40-C22-C23-C24
25	2	320	5X6	C15-C16-C17-C41
25	2	321	5X6	C15-C16-C17-C41
25	3	318	5X6	C39-C26-C27-C28
25	4	314	5X6	C40-C22-C23-C24
25	5	315	5X6	C11-C12-C13-C42
25	5	317	5X6	C11-C12-C13-C42
25	5	318	5X6	C40-C22-C23-C24
20	B	845	BCR	C7-C8-C9-C10
20	L	206	BCR	C7-C8-C9-C10
20	O	202	BCR	C7-C8-C9-C10
25	1	316	5X6	C11-C12-C13-C14
25	2	320	5X6	C21-C22-C23-C24
25	2	321	5X6	C11-C12-C13-C14
25	3	317	5X6	C25-C26-C27-C28
25	3	317	5X6	C21-C22-C23-C24
25	3	318	5X6	C21-C22-C23-C24

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Mol	Chain	Res	Type	Atoms
25	4	312	5X6	C11-C12-C13-C14
17	B	839	CLA	O1A-CGA-O2A-C1
17	B	818	CLA	C2A-CAA-CBA-CGA
17	1	301	CLA	C2A-CAA-CBA-CGA
17	5	308	CLA	C2A-CAA-CBA-CGA
17	2	307	CLA	C6-C7-C8-C9
17	A	813	CLA	O1D-CGD-O2D-CED
20	A	843	BCR	C20-C21-C22-C23
20	B	803	BCR	C11-C10-C9-C8
20	B	846	BCR	C11-C10-C9-C8
20	B	847	BCR	C11-C10-C9-C8
20	B	848	BCR	C20-C21-C22-C23
20	I	101	BCR	C16-C17-C18-C19
20	K	104	BCR	C16-C17-C18-C19
25	F	205	5X6	C16-C17-C18-C19
25	J	105	5X6	C24-C25-C26-C27
25	1	316	5X6	C16-C17-C18-C19
25	1	316	5X6	C24-C25-C26-C27
25	2	321	5X6	C12-C13-C14-C15
25	3	316	5X6	C12-C13-C14-C15
25	3	317	5X6	C12-C13-C14-C15
25	3	318	5X6	C16-C17-C18-C19
25	3	318	5X6	C24-C25-C26-C27
25	4	312	5X6	C12-C13-C14-C15
25	4	313	5X6	C24-C25-C26-C27
25	4	314	5X6	C12-C13-C14-C15
25	5	301	5X6	C16-C17-C18-C19
25	5	316	5X6	C12-C13-C14-C15
25	5	316	5X6	C20-C21-C22-C23
25	5	318	5X6	C20-C21-C22-C23
17	B	801	CLA	C15-C16-C17-C18
17	A	816	CLA	C15-C16-C17-C18
17	B	815	CLA	C8-C10-C11-C12
17	5	305	CLA	C8-C10-C11-C12
17	A	820	CLA	C2-C1-O2A-CGA
17	B	805	CLA	C16-C17-C18-C19
17	2	307	CLA	C6-C7-C8-C10
17	5	314	CLA	O1A-CGA-O2A-C1
17	2	306	CLA	O1D-CGD-O2D-CED
25	1	313	5X6	C18-C19-C20-C21
22	A	848	LMT	C1-C2-C3-C4
22	L	207	LMT	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
24	B	849	DGD	C2A-C3A-C4A-C5A
17	B	818	CLA	O1D-CGD-O2D-CED
24	B	849	DGD	C4A-C5A-C6A-C7A
17	A	834	CLA	O1A-CGA-O2A-C1
17	O	204	CLA	O1A-CGA-O2A-C1
17	B	827	CLA	CBA-CGA-O2A-C1
17	5	304	CLA	CBA-CGA-O2A-C1
22	B	851	LMT	C2-C1-O1'-C1'
18	A	840	PQN	C15-C16-C17-C18
17	B	805	CLA	C16-C17-C18-C20
17	A	856	CLA	C8-C10-C11-C12
17	B	841	CLA	C15-C16-C17-C18
17	B	838	CLA	C2-C1-O2A-CGA
17	B	810	CLA	C15-C16-C17-C18
22	3	301	LMT	C1-C2-C3-C4
24	B	849	DGD	CAA-CBA-CCA-CDA
24	B	849	DGD	C9B-CAB-CBB-CCB
24	B	849	DGD	O1A-C1A-O1G-C1G
17	A	831	CLA	C3A-C2A-CAA-CBA
17	B	806	CLA	C3A-C2A-CAA-CBA
17	1	311	CLA	C3A-C2A-CAA-CBA
17	2	307	CLA	C3A-C2A-CAA-CBA
17	2	309	CLA	C3A-C2A-CAA-CBA
17	3	315	CLA	C3A-C2A-CAA-CBA
17	4	305	CLA	C3A-C2A-CAA-CBA
17	4	311	CLA	C3A-C2A-CAA-CBA
17	5	311	CLA	C3A-C2A-CAA-CBA
17	B	837	CLA	C2-C3-C5-C6
17	1	308	CLA	C4C-C3C-CAC-CBC
22	F	201	LMT	C1-C2-C3-C4
17	5	309	CLA	C13-C15-C16-C17
25	4	312	5X6	C19-C20-C21-C22
17	A	829	CLA	O1A-CGA-O2A-C1
17	5	309	CLA	O1A-CGA-O2A-C1
24	B	849	DGD	C7A-C8A-C9A-CAA
17	A	834	CLA	O1D-CGD-O2D-CED
17	2	313	CLA	C2C-C3C-CAC-CBC
22	B	852	LMT	C6-C7-C8-C9
22	3	301	LMT	O5B-C5B-C6B-O6B
19	J	102	LHG	C17-C18-C19-C20
17	B	840	CLA	O1D-CGD-O2D-CED
22	L	207	LMT	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
24	B	849	DGD	CEA-CFA-CGA-CHA
20	A	843	BCR	C1-C6-C7-C8
20	A	843	BCR	C23-C24-C25-C30
20	A	844	BCR	C23-C24-C25-C30
20	A	845	BCR	C23-C24-C25-C26
20	A	845	BCR	C23-C24-C25-C30
20	B	847	BCR	C23-C24-C25-C30
20	L	201	BCR	C1-C6-C7-C8
20	L	201	BCR	C5-C6-C7-C8
20	L	201	BCR	C23-C24-C25-C26
20	L	201	BCR	C23-C24-C25-C30
20	M	101	BCR	C5-C6-C7-C8
25	J	105	5X6	C27-C28-C29-C34
25	1	314	5X6	C02-C03-C11-C12
25	1	315	5X6	C04-C03-C11-C12
25	1	315	5X6	C27-C28-C29-C34
25	1	316	5X6	C04-C03-C11-C12
25	2	317	5X6	C27-C28-C29-C34
25	2	318	5X6	C02-C03-C11-C12
25	2	319	5X6	C04-C03-C11-C12
25	2	320	5X6	C04-C03-C11-C12
25	3	317	5X6	C02-C03-C11-C12
25	4	313	5X6	C27-C28-C29-C34
25	5	301	5X6	C02-C03-C11-C12
25	5	315	5X6	C27-C28-C29-C30
25	5	316	5X6	C27-C28-C29-C30
25	5	317	5X6	C02-C03-C11-C12
25	5	318	5X6	C02-C03-C11-C12
17	A	833	CLA	C8-C10-C11-C12
17	1	303	CLA	C3-C5-C6-C7
19	J	102	LHG	C16-C17-C18-C19
22	A	848	LMT	O1'-C1-C2-C3
20	K	104	BCR	C18-C19-C20-C21
25	J	105	5X6	C14-C15-C16-C17
25	J	105	5X6	C22-C23-C24-C25
25	1	316	5X6	C14-C15-C16-C17
25	4	313	5X6	C14-C15-C16-C17
25	5	316	5X6	C22-C23-C24-C25
17	A	817	CLA	C15-C16-C17-C18
19	A	841	LHG	C29-C30-C31-C32
22	3	301	LMT	C7-C8-C9-C10
17	A	825	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
17	A	830	CLA	CBA-CGA-O2A-C1
17	A	826	CLA	C14-C13-C15-C16
17	B	801	CLA	C11-C12-C13-C14
24	B	849	DGD	CDA-CEA-CFA-CGA
25	1	313	5X6	C26-C27-C28-C29
25	1	314	5X6	C03-C11-C12-C13
25	3	317	5X6	C26-C27-C28-C29
25	4	313	5X6	C03-C11-C12-C13
17	F	204	CLA	C4C-C3C-CAC-CBC
17	5	304	CLA	O1A-CGA-O2A-C1
25	1	313	5X6	C23-C24-C25-C26
25	3	316	5X6	C19-C20-C21-C22
17	B	840	CLA	C8-C10-C11-C12
19	A	841	LHG	C11-C12-C13-C14
19	A	841	LHG	C18-C19-C20-C21
22	B	852	LMT	C3-C4-C5-C6
19	J	102	LHG	C25-C26-C27-C28
17	4	303	CLA	CBD-CGD-O2D-CED
17	2	308	CLA	C4C-C3C-CAC-CBC
20	B	844	BCR	C36-C18-C19-C20
20	L	201	BCR	C37-C22-C23-C24
25	1	315	5X6	C11-C12-C13-C42
25	2	317	5X6	C11-C12-C13-C42
25	2	318	5X6	C11-C12-C13-C42
25	3	316	5X6	C11-C12-C13-C42
19	A	842	LHG	C7-C8-C9-C10
20	B	848	BCR	C7-C8-C9-C10
17	5	312	CLA	C2A-CAA-CBA-CGA
19	J	102	LHG	C26-C27-C28-C29
17	B	815	CLA	C13-C15-C16-C17
17	B	815	CLA	O1D-CGD-O2D-CED
22	F	201	LMT	O1'-C1-C2-C3
17	B	827	CLA	O1A-CGA-O2A-C1
17	5	303	CLA	C3-C5-C6-C7
17	A	815	CLA	C10-C11-C12-C13
17	A	826	CLA	C15-C16-C17-C18
17	A	834	CLA	C13-C15-C16-C17
17	B	815	CLA	C10-C11-C12-C13
17	5	308	CLA	C10-C11-C12-C13
17	B	814	CLA	C4C-C3C-CAC-CBC
17	A	825	CLA	O1A-CGA-O2A-C1
17	A	855	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
17	A	834	CLA	C3-C5-C6-C7
22	F	201	LMT	C7-C8-C9-C10
17	5	303	CLA	O1D-CGD-O2D-CED
17	A	831	CLA	CBA-CGA-O2A-C1
17	B	817	CLA	CBA-CGA-O2A-C1
17	4	304	CLA	CBA-CGA-O2A-C1
17	B	824	CLA	C2-C1-O2A-CGA
17	B	857	CLA	C2-C1-O2A-CGA
17	5	304	CLA	C2-C1-O2A-CGA
17	B	816	CLA	C13-C15-C16-C17
19	A	842	LHG	C24-C25-C26-C27
17	L	203	CLA	C2A-CAA-CBA-CGA
17	3	305	CLA	CBD-CGD-O2D-CED
17	1	309	CLA	O1D-CGD-O2D-CED
19	A	842	LHG	C24-C23-O8-C6
17	A	855	CLA	O1D-CGD-O2D-CED
17	L	204	CLA	O1D-CGD-O2D-CED
17	A	830	CLA	O1A-CGA-O2A-C1
17	2	311	CLA	O1A-CGA-O2A-C1
17	A	837	CLA	C3-C5-C6-C7
17	A	816	CLA	C1A-C2A-CAA-CBA
17	B	823	CLA	C1A-C2A-CAA-CBA
17	B	828	CLA	C1A-C2A-CAA-CBA
17	B	831	CLA	C1A-C2A-CAA-CBA
17	1	304	CLA	C1A-C2A-CAA-CBA
17	1	310	CLA	C1A-C2A-CAA-CBA
17	1	311	CLA	C1A-C2A-CAA-CBA
17	2	304	CLA	C1A-C2A-CAA-CBA
17	2	309	CLA	C1A-C2A-CAA-CBA
17	2	311	CLA	C1A-C2A-CAA-CBA
17	3	310	CLA	C1A-C2A-CAA-CBA
17	3	311	CLA	C1A-C2A-CAA-CBA
17	3	315	CLA	C1A-C2A-CAA-CBA
17	4	304	CLA	C1A-C2A-CAA-CBA
17	4	305	CLA	C1A-C2A-CAA-CBA
17	4	306	CLA	C1A-C2A-CAA-CBA
17	4	311	CLA	C1A-C2A-CAA-CBA
17	5	308	CLA	C1A-C2A-CAA-CBA
17	5	311	CLA	C1A-C2A-CAA-CBA
22	A	848	LMT	O5B-C5B-C6B-O6B
17	2	311	CLA	O1D-CGD-O2D-CED
17	A	833	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
22	B	850	LMT	C7-C8-C9-C10
17	A	811	CLA	C11-C10-C8-C7
17	A	818	CLA	C11-C12-C13-C15
17	B	810	CLA	C11-C10-C8-C7
17	B	815	CLA	C11-C10-C8-C7
17	B	828	CLA	C6-C7-C8-C10
17	B	833	CLA	C12-C13-C15-C16
17	5	309	CLA	C6-C7-C8-C10
17	B	833	CLA	C5-C6-C7-C8
17	A	813	CLA	C3A-C2A-CAA-CBA
17	A	825	CLA	C2-C3-C5-C6
17	B	817	CLA	O1A-CGA-O2A-C1
17	B	807	CLA	C8-C10-C11-C12
17	A	853	CLA	C2A-CAA-CBA-CGA
17	A	818	CLA	C11-C12-C13-C14
17	B	815	CLA	C11-C10-C8-C9
17	B	833	CLA	C14-C13-C15-C16
22	3	301	LMT	C3-C4-C5-C6
24	B	849	DGD	C6A-C7A-C8A-C9A
17	B	837	CLA	CBA-CGA-O2A-C1
17	2	311	CLA	CBA-CGA-O2A-C1
24	B	849	DGD	C3A-C4A-C5A-C6A
17	B	812	CLA	C8-C10-C11-C12
17	B	828	CLA	C13-C15-C16-C17
19	J	102	LHG	C31-C32-C33-C34
17	1	302	CLA	C3-C5-C6-C7
17	B	828	CLA	O1D-CGD-O2D-CED
17	B	835	CLA	O1D-CGD-O2D-CED
17	1	307	CLA	CBA-CGA-O2A-C1
20	B	803	BCR	C16-C17-C18-C36
20	B	848	BCR	C20-C21-C22-C37
25	4	313	5X6	C20-C21-C22-C40
17	B	830	CLA	C3-C5-C6-C7
19	A	842	LHG	O10-C23-O8-C6
17	A	802	CLA	CBD-CGD-O2D-CED
17	A	812	CLA	C5-C6-C7-C8
17	A	812	CLA	C15-C16-C17-C18
22	B	851	LMT	O5B-C5B-C6B-O6B
17	B	836	CLA	C10-C11-C12-C13
22	L	207	LMT	C3-C4-C5-C6
17	B	833	CLA	C13-C15-C16-C17
17	A	831	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
17	B	830	CLA	CBA-CGA-O2A-C1
24	B	849	DGD	CEB-CFB-CGB-CHB
17	A	827	CLA	C5-C6-C7-C8
24	B	849	DGD	C3B-C4B-C5B-C6B
20	A	845	BCR	C20-C21-C22-C23
20	A	857	BCR	C20-C21-C22-C23
25	2	317	5X6	C03-C11-C12-C13
17	B	834	CLA	CBA-CGA-O2A-C1
17	4	303	CLA	C4C-C3C-CAC-CBC
17	5	302	CLA	C4C-C3C-CAC-CBC
17	B	839	CLA	C15-C16-C17-C18
17	A	825	CLA	C4-C3-C5-C6
17	A	839	CLA	C3-C5-C6-C7
19	A	842	LHG	O7-C5-C6-O8
24	B	849	DGD	O2G-C2G-C3G-O3G
17	A	819	CLA	CBA-CGA-O2A-C1
17	5	305	CLA	CAA-CBA-CGA-O2A
18	B	842	PQN	C15-C16-C17-C18
17	B	828	CLA	C2-C1-O2A-CGA
22	A	848	LMT	C5'-C4'-O1B-C1B
17	B	820	CLA	C5-C6-C7-C8
17	A	812	CLA	CBA-CGA-O2A-C1
17	B	806	CLA	CBA-CGA-O2A-C1
17	B	826	CLA	CBA-CGA-O2A-C1
17	5	305	CLA	CBD-CGD-O2D-CED
20	B	847	BCR	C14-C15-C16-C17
19	J	102	LHG	C29-C30-C31-C32
17	B	809	CLA	C8-C10-C11-C12
17	5	305	CLA	C5-C6-C7-C8
17	B	818	CLA	C4-C3-C5-C6
17	1	306	CLA	C4-C3-C5-C6
17	A	824	CLA	CBA-CGA-O2A-C1
17	A	807	CLA	C8-C10-C11-C12
17	B	826	CLA	C5-C6-C7-C8
22	F	201	LMT	C2-C1-O1'-C1'
17	B	810	CLA	C11-C10-C8-C9
17	5	308	CLA	C6-C7-C8-C9
17	5	309	CLA	C6-C7-C8-C9
17	A	823	CLA	C10-C11-C12-C13
17	B	837	CLA	O1A-CGA-O2A-C1
17	A	828	CLA	C10-C11-C12-C13
17	B	857	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
17	A	807	CLA	C12-C13-C15-C16
17	B	816	CLA	C11-C10-C8-C7
17	B	820	CLA	C11-C12-C13-C15
17	4	304	CLA	O1A-CGA-O2A-C1
17	B	828	CLA	C3A-C2A-CAA-CBA
17	B	833	CLA	C4-C3-C5-C6
17	K	102	CLA	C3A-C2A-CAA-CBA
19	A	841	LHG	C13-C14-C15-C16
25	1	314	5X6	C19-C20-C21-C22
25	1	314	5X6	C13-C14-C15-C16
25	1	314	5X6	C23-C24-C25-C26
25	5	317	5X6	C13-C14-C15-C16
20	B	844	BCR	C37-C22-C23-C24
20	B	845	BCR	C11-C12-C13-C35
20	B	848	BCR	C7-C8-C9-C34
17	B	830	CLA	O1A-CGA-O2A-C1
17	B	815	CLA	C5-C6-C7-C8
17	4	303	CLA	C2A-CAA-CBA-CGA
17	5	309	CLA	C10-C11-C12-C13
19	A	842	LHG	C4-C5-C6-O8
19	A	841	LHG	C17-C18-C19-C20
17	4	304	CLA	C11-C12-C13-C14
22	A	848	LMT	C5-C6-C7-C8
22	B	850	LMT	O1'-C1-C2-C3
17	A	807	CLA	C4-C3-C5-C6
17	1	306	CLA	C2-C3-C5-C6
17	B	816	CLA	C3-C5-C6-C7
17	B	825	CLA	C3-C5-C6-C7
17	B	834	CLA	O1A-CGA-O2A-C1
17	A	802	CLA	O1D-CGD-O2D-CED
17	4	303	CLA	O1D-CGD-O2D-CED
20	J	104	BCR	C23-C24-C25-C30
20	L	206	BCR	C23-C24-C25-C30
20	M	101	BCR	C1-C6-C7-C8
25	F	205	5X6	C04-C03-C11-C12
25	J	105	5X6	C04-C03-C11-C12
17	A	810	CLA	C5-C6-C7-C8
17	B	826	CLA	C3-C5-C6-C7
22	B	850	LMT	C4'-C5'-C6'-O6'
17	B	826	CLA	C15-C16-C17-C18
17	1	303	CLA	C6-C7-C8-C9
17	3	314	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
22	L	207	LMT	C2-C3-C4-C5
17	2	311	CLA	C3-C5-C6-C7
17	5	305	CLA	O1D-CGD-O2D-CED
17	1	307	CLA	O1A-CGA-O2A-C1
17	5	313	CLA	C2C-C3C-CAC-CBC
17	A	819	CLA	C4-C3-C5-C6
17	A	832	CLA	C4-C3-C5-C6
22	B	851	LMT	C3-C4-C5-C6
17	B	818	CLA	C2-C3-C5-C6
17	B	833	CLA	C2-C3-C5-C6
17	K	103	CLA	O1D-CGD-O2D-CED
17	B	811	CLA	CBA-CGA-O2A-C1
17	A	804	CLA	C11-C12-C13-C14
17	B	807	CLA	C11-C12-C13-C14
17	B	816	CLA	C11-C10-C8-C9
17	B	820	CLA	C11-C12-C13-C14
25	1	312	5X6	C26-C27-C28-C29
25	2	318	5X6	C03-C11-C12-C13
25	4	314	5X6	C03-C11-C12-C13
25	5	315	5X6	C03-C11-C12-C13
25	5	316	5X6	C03-C11-C12-C13
22	B	850	LMT	C6-C7-C8-C9
17	B	802	CLA	O1D-CGD-O2D-CED
22	3	301	LMT	C2-C3-C4-C5
17	A	827	CLA	C15-C16-C17-C18
17	A	852	CLA	C15-C16-C17-C18
17	A	807	CLA	C2-C3-C5-C6
17	A	832	CLA	C2-C3-C5-C6
17	A	809	CLA	C16-C17-C18-C19
17	B	818	CLA	C5-C6-C7-C8
17	B	806	CLA	O1A-CGA-O2A-C1
17	A	833	CLA	C15-C16-C17-C18
17	B	814	CLA	C5-C6-C7-C8
20	B	847	BCR	C20-C21-C22-C37
20	J	104	BCR	C20-C21-C22-C37
20	M	101	BCR	C35-C13-C14-C15
20	M	101	BCR	C20-C21-C22-C37
18	A	840	PQN	C20-C21-C22-C23
17	B	804	CLA	C13-C15-C16-C17
17	B	834	CLA	C8-C10-C11-C12
20	A	843	BCR	C7-C8-C9-C34
20	J	104	BCR	C37-C22-C23-C24

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Mol	Chain	Res	Type	Atoms
25	3	317	5X6	C11-C12-C13-C42
17	A	816	CLA	C12-C13-C15-C16
17	A	833	CLA	C11-C12-C13-C15
17	B	804	CLA	C12-C13-C15-C16
17	B	807	CLA	C11-C12-C13-C15
17	B	808	CLA	C11-C10-C8-C7
17	B	826	CLA	C6-C7-C8-C10
17	B	831	CLA	C11-C10-C8-C7
17	B	836	CLA	C6-C7-C8-C10
17	B	837	CLA	C11-C10-C8-C7
17	A	815	CLA	C3-C5-C6-C7
25	2	321	5X6	C15-C16-C17-C18
25	5	301	5X6	C25-C26-C27-C28
19	A	842	LHG	C13-C14-C15-C16
17	K	102	CLA	C2A-CAA-CBA-CGA
17	4	304	CLA	C2A-CAA-CBA-CGA
19	J	102	LHG	C35-C36-C37-C38
22	B	851	LMT	C11-C10-C9-C8
17	A	806	CLA	C16-C17-C18-C19
17	A	803	CLA	C4-C3-C5-C6
17	A	819	CLA	O1A-CGA-O2A-C1
17	A	820	CLA	CBD-CGD-O2D-CED
17	A	824	CLA	O1A-CGA-O2A-C1
17	B	811	CLA	O1A-CGA-O2A-C1
17	1	303	CLA	C6-C7-C8-C10
17	A	812	CLA	O1A-CGA-O2A-C1
17	B	832	CLA	C15-C16-C17-C18
20	J	104	BCR	C20-C21-C22-C23
19	A	841	LHG	C14-C15-C16-C17
22	3	301	LMT	C5-C6-C7-C8
22	B	850	LMT	C1-C2-C3-C4
24	B	849	DGD	CBA-CCA-CDA-CEA
22	F	201	LMT	O5'-C1'-O1'-C1
17	4	306	CLA	C2C-C3C-CAC-CBC
24	B	849	DGD	C1G-C2G-C3G-O3G
17	A	828	CLA	C16-C17-C18-C19
17	A	818	CLA	C4-C3-C5-C6
18	B	842	PQN	C25-C26-C27-C28
17	B	816	CLA	C6-C7-C8-C9
17	4	304	CLA	C6-C7-C8-C9
17	1	307	CLA	C11-C12-C13-C14
19	A	841	LHG	C30-C31-C32-C33

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Mol	Chain	Res	Type	Atoms
24	B	849	DGD	CCB-CDB-CEB-CFB
17	B	826	CLA	O1A-CGA-O2A-C1
17	A	853	CLA	C2-C1-O2A-CGA
17	1	303	CLA	C2-C1-O2A-CGA
17	A	809	CLA	C16-C17-C18-C20
17	B	802	CLA	C16-C17-C18-C19
17	B	820	CLA	C16-C17-C18-C19
17	A	831	CLA	C10-C11-C12-C13
17	A	810	CLA	C4-C3-C5-C6
17	A	819	CLA	C2-C3-C5-C6
22	B	850	LMT	C3-C4-C5-C6
17	5	309	CLA	C3-C5-C6-C7
17	A	834	CLA	C1A-C2A-CAA-CBA
17	B	817	CLA	C1A-C2A-CAA-CBA
17	1	302	CLA	C1A-C2A-CAA-CBA
17	3	309	CLA	C1A-C2A-CAA-CBA
17	5	309	CLA	C1A-C2A-CAA-CBA
17	3	305	CLA	O1D-CGD-O2D-CED
17	B	826	CLA	C4-C3-C5-C6
25	3	317	5X6	C03-C11-C12-C13
25	5	316	5X6	C26-C27-C28-C29
20	A	857	BCR	C11-C12-C13-C14
17	B	806	CLA	C3-C5-C6-C7
17	A	810	CLA	C2A-CAA-CBA-CGA
17	A	804	CLA	C8-C10-C11-C12
17	A	806	CLA	C11-C12-C13-C15
17	A	815	CLA	C11-C10-C8-C7
17	B	802	CLA	C11-C10-C8-C7
17	B	806	CLA	C11-C10-C8-C7
17	B	809	CLA	C6-C7-C8-C10
17	B	816	CLA	C6-C7-C8-C10
17	B	818	CLA	C11-C10-C8-C7
17	2	305	CLA	O1D-CGD-O2D-CED
17	4	303	CLA	CBA-CGA-O2A-C1
17	B	834	CLA	CBD-CGD-O2D-CED
19	J	102	LHG	C18-C19-C20-C21
17	B	829	CLA	C4-C3-C5-C6
17	A	803	CLA	C2-C3-C5-C6
20	K	104	BCR	C14-C15-C16-C17
17	B	820	CLA	CBA-CGA-O2A-C1
17	A	854	CLA	C15-C16-C17-C18
17	A	816	CLA	C14-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
17	A	833	CLA	C11-C12-C13-C14
17	B	819	CLA	C11-C10-C8-C9
17	B	826	CLA	C6-C7-C8-C9
17	B	837	CLA	C11-C10-C8-C9
25	1	316	5X6	C23-C24-C25-C26
25	2	318	5X6	C13-C14-C15-C16
25	4	312	5X6	C23-C24-C25-C26
22	B	852	LMT	C11-C10-C9-C8
19	J	102	LHG	C30-C31-C32-C33
17	A	807	CLA	C15-C16-C17-C18
17	2	305	CLA	CBD-CGD-O2D-CED
17	4	303	CLA	O1A-CGA-O2A-C1
17	A	818	CLA	C2-C3-C5-C6
17	A	803	CLA	CAD-CBD-CGD-O2D
17	A	859	CLA	CAD-CBD-CGD-O2D
17	J	103	CLA	CAD-CBD-CGD-O2D
17	L	202	CLA	CAD-CBD-CGD-O2D
17	O	205	CLA	CAD-CBD-CGD-O2D
17	1	310	CLA	CAD-CBD-CGD-O2D
17	A	829	CLA	O1D-CGD-O2D-CED
17	A	828	CLA	C13-C15-C16-C17
17	A	814	CLA	C2A-CAA-CBA-CGA
17	B	827	CLA	C8-C10-C11-C12
17	A	802	CLA	CHA-CBD-CGD-O1D
17	A	802	CLA	CHA-CBD-CGD-O2D
17	A	803	CLA	CAD-CBD-CGD-O1D
17	A	859	CLA	CAD-CBD-CGD-O1D
17	B	806	CLA	CAD-CBD-CGD-O1D
17	B	822	CLA	CHA-CBD-CGD-O2D
17	J	103	CLA	CAD-CBD-CGD-O1D
17	L	202	CLA	CAD-CBD-CGD-O1D
17	O	205	CLA	CAD-CBD-CGD-O1D
17	1	310	CLA	CAD-CBD-CGD-O1D
17	2	304	CLA	CHA-CBD-CGD-O1D
17	2	315	CLA	CHA-CBD-CGD-O1D
17	2	315	CLA	CHA-CBD-CGD-O2D
17	3	307	CLA	CHA-CBD-CGD-O1D
17	3	307	CLA	CHA-CBD-CGD-O2D
17	4	304	CLA	CHA-CBD-CGD-O1D
17	4	304	CLA	CHA-CBD-CGD-O2D
17	5	305	CLA	CHA-CBD-CGD-O1D
17	5	307	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
25	1	314	5X6	C24-C25-C26-C39
25	2	317	5X6	C23-C24-C25-C26
25	3	316	5X6	C23-C24-C25-C26
25	4	313	5X6	C17-C18-C19-C20
25	F	205	5X6	C18-C19-C20-C21
17	A	818	CLA	C10-C11-C12-C13
17	A	802	CLA	C4-C3-C5-C6
17	A	812	CLA	C4-C3-C5-C6
17	B	829	CLA	C2-C3-C5-C6
20	M	101	BCR	C37-C22-C23-C24
25	2	321	5X6	C11-C12-C13-C42
17	B	806	CLA	C5-C6-C7-C8
19	A	841	LHG	C23-C24-C25-C26
19	J	102	LHG	C33-C34-C35-C36
17	5	308	CLA	C3-C5-C6-C7
17	A	833	CLA	C13-C15-C16-C17
25	F	205	5X6	C19-C20-C21-C22
25	4	313	5X6	C13-C14-C15-C16
25	5	315	5X6	C17-C18-C19-C20
17	A	822	CLA	C6-C7-C8-C10
17	A	837	CLA	C16-C17-C18-C19
17	B	807	CLA	C16-C17-C18-C19
17	L	203	CLA	C16-C17-C18-C19
17	1	307	CLA	C11-C12-C13-C15
17	A	825	CLA	C15-C16-C17-C18
17	A	807	CLA	C14-C13-C15-C16
17	B	831	CLA	C11-C10-C8-C9
17	B	834	CLA	C11-C10-C8-C9
17	A	804	CLA	C11-C10-C8-C7
17	B	814	CLA	C11-C10-C8-C7
17	B	827	CLA	C11-C10-C8-C7
20	B	803	BCR	C16-C17-C18-C19
19	A	842	LHG	C9-C10-C11-C12
22	F	201	LMT	C2'-C1'-O1'-C1
17	B	820	CLA	O1A-CGA-O2A-C1
17	B	820	CLA	C2C-C3C-CAC-CBC
22	F	201	LMT	C3-C4-C5-C6
25	2	321	5X6	C13-C14-C15-C16
25	3	317	5X6	C17-C18-C19-C20
25	5	316	5X6	C17-C18-C19-C20
17	A	837	CLA	C2-C1-O2A-CGA
17	B	840	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
22	B	851	LMT	C7-C8-C9-C10
19	A	842	LHG	C16-C17-C18-C19
17	B	815	CLA	C3-C5-C6-C7
17	2	305	CLA	C8-C10-C11-C12
17	A	816	CLA	CAA-CBA-CGA-O2A
20	B	844	BCR	C21-C22-C23-C24
25	5	317	5X6	C21-C22-C23-C24
25	2	320	5X6	C19-C20-C21-C22
17	A	806	CLA	C16-C17-C18-C20
17	A	814	CLA	C2C-C3C-CAC-CBC
17	B	818	CLA	CAA-CBA-CGA-O2A
17	A	812	CLA	C2-C3-C5-C6
17	4	306	CLA	C4C-C3C-CAC-CBC
17	A	820	CLA	C8-C10-C11-C12
22	B	852	LMT	C2-C1-O1'-C1'
17	A	806	CLA	C11-C12-C13-C14
22	B	852	LMT	C2-C3-C4-C5
17	A	815	CLA	CBA-CGA-O2A-C1
17	B	834	CLA	O1D-CGD-O2D-CED
22	F	201	LMT	C11-C10-C9-C8
17	B	821	CLA	CAA-CBA-CGA-O2A
17	A	819	CLA	C13-C15-C16-C17
22	L	207	LMT	C7-C8-C9-C10
17	A	802	CLA	C6-C7-C8-C9
17	B	814	CLA	C10-C11-C12-C13
17	5	309	CLA	C15-C16-C17-C18
17	L	204	CLA	C2A-CAA-CBA-CGA
17	A	830	CLA	C4-C3-C5-C6
17	A	815	CLA	O1A-CGA-O2A-C1
17	B	820	CLA	C16-C17-C18-C20
24	B	849	DGD	C4E-C5E-C6E-O5E
17	B	807	CLA	C6-C7-C8-C10
17	B	833	CLA	C3-C5-C6-C7
18	B	842	PQN	C13-C15-C16-C17
17	1	306	CLA	O1D-CGD-O2D-CED
17	4	311	CLA	CAA-CBA-CGA-O2A
17	A	829	CLA	CBD-CGD-O2D-CED
17	A	855	CLA	C4-C3-C5-C6
17	B	830	CLA	C3A-C2A-CAA-CBA
17	5	308	CLA	C3A-C2A-CAA-CBA
17	B	826	CLA	C2-C3-C5-C6
20	A	846	BCR	C11-C10-C9-C34

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Mol	Chain	Res	Type	Atoms
20	A	846	BCR	C16-C17-C18-C36
20	B	845	BCR	C20-C21-C22-C37
20	B	846	BCR	C35-C13-C14-C15
20	L	201	BCR	C11-C10-C9-C34
25	3	316	5X6	C41-C17-C18-C19
25	5	318	5X6	C24-C25-C26-C39
17	B	836	CLA	C2C-C3C-CAC-CBC
17	A	837	CLA	C15-C16-C17-C18
17	A	838	CLA	CBD-CGD-O2D-CED
17	B	804	CLA	C2-C1-O2A-CGA
17	B	817	CLA	C2-C1-O2A-CGA
17	B	837	CLA	C8-C10-C11-C12
20	B	846	BCR	C7-C8-C9-C34
17	B	821	CLA	CAA-CBA-CGA-O1A
17	3	315	CLA	C4-C3-C5-C6
17	A	852	CLA	C10-C11-C12-C13
20	L	201	BCR	C21-C22-C23-C24
17	A	802	CLA	C2-C3-C5-C6
17	B	807	CLA	C16-C17-C18-C20
17	2	305	CLA	C15-C16-C17-C18
17	1	311	CLA	CAA-CBA-CGA-O1A
17	4	311	CLA	CAA-CBA-CGA-O1A
17	A	823	CLA	C15-C16-C17-C18
17	A	835	CLA	O1A-CGA-O2A-C1
17	A	812	CLA	C14-C13-C15-C16
17	A	815	CLA	C11-C10-C8-C9
17	A	826	CLA	C6-C7-C8-C9
17	A	855	CLA	C11-C10-C8-C9
17	B	809	CLA	C14-C13-C15-C16
17	5	305	CLA	CAA-CBA-CGA-O1A
17	2	307	CLA	C5-C6-C7-C8
17	1	301	CLA	CAA-CBA-CGA-O1A
17	5	313	CLA	CAA-CBA-CGA-O1A
17	5	313	CLA	CAA-CBA-CGA-O2A
17	2	305	CLA	C3-C5-C6-C7
25	2	320	5X6	C17-C18-C19-C20
17	5	306	CLA	CAA-CBA-CGA-O2A
17	5	312	CLA	CAA-CBA-CGA-O2A
17	B	828	CLA	C3-C5-C6-C7
17	O	205	CLA	CAA-CBA-CGA-O2A
17	1	304	CLA	CAA-CBA-CGA-O2A
17	4	307	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
17	A	820	CLA	C13-C15-C16-C17
17	A	824	CLA	C5-C6-C7-C8
17	3	305	CLA	C1A-C2A-CAA-CBA
17	5	302	CLA	C1A-C2A-CAA-CBA
20	A	846	BCR	C11-C10-C9-C8
20	A	846	BCR	C16-C17-C18-C19
20	B	845	BCR	C20-C21-C22-C23
20	B	846	BCR	C12-C13-C14-C15
17	O	205	CLA	CAA-CBA-CGA-O1A
17	A	814	CLA	C4C-C3C-CAC-CBC
19	A	842	LHG	O6-C4-C5-O7
20	A	844	BCR	C23-C24-C25-C26
20	B	847	BCR	C23-C24-C25-C26
20	J	104	BCR	C23-C24-C25-C26
20	L	206	BCR	C23-C24-C25-C26
25	2	321	5X6	C27-C28-C29-C30
25	3	318	5X6	C02-C03-C11-C12
25	4	314	5X6	C27-C28-C29-C30
25	5	316	5X6	C04-C03-C11-C12
25	5	316	5X6	C27-C28-C29-C34
17	1	311	CLA	CAA-CBA-CGA-O2A
17	2	309	CLA	CAA-CBA-CGA-O1A
17	4	307	CLA	CAA-CBA-CGA-O1A
17	5	306	CLA	CAA-CBA-CGA-O1A
17	B	839	CLA	C4-C3-C5-C6
17	3	307	CLA	C4-C3-C5-C6
17	A	855	CLA	C2-C3-C5-C6
17	A	837	CLA	C13-C15-C16-C17
25	5	318	5X6	C13-C14-C15-C16
17	A	812	CLA	C11-C10-C8-C7
17	A	831	CLA	C11-C12-C13-C15
17	A	822	CLA	C6-C7-C8-C9
17	B	811	CLA	C2A-CAA-CBA-CGA
17	A	838	CLA	C13-C15-C16-C17
17	5	312	CLA	CAA-CBA-CGA-O1A
19	A	841	LHG	C32-C33-C34-C35
19	A	841	LHG	C33-C34-C35-C36
17	B	822	CLA	CAA-CBA-CGA-O2A
17	1	301	CLA	CAA-CBA-CGA-O2A
17	1	305	CLA	CAA-CBA-CGA-O1A
17	4	308	CLA	CAA-CBA-CGA-O2A
20	I	101	BCR	C7-C8-C9-C34

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Mol	Chain	Res	Type	Atoms
17	4	305	CLA	CAA-CBA-CGA-O1A
17	5	307	CLA	CAA-CBA-CGA-O2A
17	B	819	CLA	C4-C3-C5-C6
17	B	832	CLA	C4-C3-C5-C6
17	A	830	CLA	C2-C3-C5-C6
17	A	829	CLA	C2-C1-O2A-CGA
17	A	838	CLA	O1D-CGD-O2D-CED
17	3	305	CLA	C3-C5-C6-C7
17	3	308	CLA	CAA-CBA-CGA-O1A
17	5	307	CLA	CAA-CBA-CGA-O1A
17	A	804	CLA	C6-C7-C8-C9
17	5	305	CLA	C14-C13-C15-C16
25	2	321	5X6	C23-C24-C25-C26
17	B	818	CLA	C10-C11-C12-C13
22	B	852	LMT	C4-C5-C6-C7
17	1	304	CLA	CAA-CBA-CGA-O1A
17	1	305	CLA	CAA-CBA-CGA-O2A
17	2	309	CLA	CAA-CBA-CGA-O2A
25	J	105	5X6	C26-C27-C28-C29
17	A	804	CLA	C4-C3-C5-C6
17	B	808	CLA	C4-C3-C5-C6
17	B	831	CLA	C4-C3-C5-C6
17	L	202	CLA	C4-C3-C5-C6
17	5	308	CLA	C4-C3-C5-C6
17	A	804	CLA	C2-C3-C5-C6
17	A	810	CLA	C2-C3-C5-C6
17	B	808	CLA	C2-C3-C5-C6
17	3	305	CLA	C8-C10-C11-C12
17	B	835	CLA	CAA-CBA-CGA-O2A
17	4	305	CLA	CAA-CBA-CGA-O2A
17	B	825	CLA	C13-C15-C16-C17
17	2	304	CLA	CAA-CBA-CGA-O2A
17	A	836	CLA	C4-C3-C5-C6
17	4	304	CLA	C4-C3-C5-C6
17	2	316	CLA	CAA-CBA-CGA-O2A
17	A	837	CLA	C16-C17-C18-C20
17	A	856	CLA	C15-C16-C17-C18
22	L	207	LMT	C1-C2-C3-C4
17	1	309	CLA	CAA-CBA-CGA-O2A
17	3	309	CLA	CAA-CBA-CGA-O2A
17	5	302	CLA	CAA-CBA-CGA-O2A
17	L	203	CLA	C16-C17-C18-C20

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Mol	Chain	Res	Type	Atoms
20	B	843	BCR	C20-C21-C22-C37
20	B	844	BCR	C11-C10-C9-C34
20	B	847	BCR	C35-C13-C14-C15
17	2	307	CLA	C2C-C3C-CAC-CBC
17	3	308	CLA	CAA-CBA-CGA-O2A
17	4	307	CLA	CAA-CBA-CGA-O2A
17	B	819	CLA	C2-C3-C5-C6
17	B	832	CLA	C2-C3-C5-C6
19	A	842	LHG	C10-C11-C12-C13
17	3	309	CLA	CAA-CBA-CGA-O1A
17	A	820	CLA	O1D-CGD-O2D-CED
20	B	845	BCR	C9-C10-C11-C12
17	B	805	CLA	C10-C11-C12-C13
17	A	823	CLA	C11-C10-C8-C9
17	B	802	CLA	C11-C12-C13-C14
17	B	806	CLA	C14-C13-C15-C16
17	B	811	CLA	C11-C12-C13-C14
17	5	308	CLA	C14-C13-C15-C16
17	2	316	CLA	CAA-CBA-CGA-O1A
17	A	822	CLA	C2A-CAA-CBA-CGA
17	A	807	CLA	C2-C1-O2A-CGA
17	B	832	CLA	C2-C1-O2A-CGA
17	B	837	CLA	C2-C1-O2A-CGA
17	5	303	CLA	C2-C1-O2A-CGA
17	A	812	CLA	C3A-C2A-CAA-CBA
17	A	831	CLA	C4-C3-C5-C6
17	B	802	CLA	C3A-C2A-CAA-CBA
17	L	202	CLA	C3A-C2A-CAA-CBA
17	5	306	CLA	C3A-C2A-CAA-CBA
17	3	306	CLA	CAA-CBA-CGA-O2A
17	A	855	CLA	O1A-CGA-O2A-C1
17	2	304	CLA	CAA-CBA-CGA-O1A
17	B	811	CLA	O2A-C1-C2-C3
25	1	313	5X6	C14-C15-C16-C17
17	2	306	CLA	CAA-CBA-CGA-O2A
17	3	310	CLA	CAA-CBA-CGA-O2A
17	5	302	CLA	CAA-CBA-CGA-O1A
17	B	835	CLA	CAA-CBA-CGA-O1A
17	1	309	CLA	CAA-CBA-CGA-O1A
17	4	308	CLA	CAA-CBA-CGA-O1A
17	A	827	CLA	C10-C11-C12-C13
17	B	834	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
19	A	841	LHG	C31-C32-C33-C34
17	A	806	CLA	CBA-CGA-O2A-C1
20	B	844	BCR	C11-C10-C9-C8
20	L	201	BCR	C11-C10-C9-C8
17	3	306	CLA	CAA-CBA-CGA-O1A
17	B	833	CLA	C8-C10-C11-C12
17	5	308	CLA	CAA-CBA-CGA-O2A
17	A	809	CLA	C8-C10-C11-C12
17	2	306	CLA	CAA-CBA-CGA-O1A
17	A	803	CLA	C15-C16-C17-C18
17	A	831	CLA	C13-C15-C16-C17
17	B	839	CLA	C5-C6-C7-C8
17	2	313	CLA	C4C-C3C-CAC-CBC
17	B	802	CLA	C11-C10-C8-C9
17	B	806	CLA	C11-C10-C8-C9
17	B	827	CLA	C11-C10-C8-C9
17	2	305	CLA	C11-C12-C13-C14
17	A	802	CLA	C6-C7-C8-C10
17	A	823	CLA	CAA-CBA-CGA-O2A
17	A	855	CLA	CBA-CGA-O2A-C1
20	J	104	BCR	C21-C22-C23-C24
25	1	314	5X6	C25-C26-C27-C28
17	B	802	CLA	C11-C12-C13-C15
17	B	811	CLA	C11-C12-C13-C15
17	B	812	CLA	C6-C7-C8-C10
17	5	303	CLA	C11-C12-C13-C15
17	5	305	CLA	C12-C13-C15-C16
17	A	854	CLA	O1A-CGA-O2A-C1
25	1	316	5X6	C27-C28-C29-C30
25	2	317	5X6	C04-C03-C11-C12
17	A	804	CLA	C2-C1-O2A-CGA
17	B	812	CLA	C2-C1-O2A-CGA
17	2	311	CLA	C2-C1-O2A-CGA
17	5	303	CLA	C8-C10-C11-C12
17	B	824	CLA	CAA-CBA-CGA-O2A
16	A	801	CL0	C5-C6-C7-C8
17	B	801	CLA	CAA-CBA-CGA-O2A
17	3	310	CLA	CAA-CBA-CGA-O1A
17	A	853	CLA	C15-C16-C17-C18
17	A	806	CLA	O1A-CGA-O2A-C1
17	A	811	CLA	C15-C16-C17-C18
17	A	804	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
17	3	315	CLA	CAA-CBA-CGA-O2A
17	A	828	CLA	C8-C10-C11-C12
19	A	842	LHG	O7-C7-C8-C9
17	B	809	CLA	C4-C3-C5-C6
16	A	801	CL0	CAA-CBA-CGA-O2A
17	B	807	CLA	CAA-CBA-CGA-O2A
17	A	837	CLA	C10-C11-C12-C13
17	1	302	CLA	C10-C11-C12-C13
17	1	303	CLA	C2A-CAA-CBA-CGA
17	A	821	CLA	CAA-CBA-CGA-O2A
17	B	830	CLA	CAA-CBA-CGA-O2A
17	3	305	CLA	C11-C12-C13-C14
17	A	810	CLA	CAA-CBA-CGA-O2A
19	J	102	LHG	O8-C23-C24-C25
17	A	832	CLA	C1A-C2A-CAA-CBA
17	L	202	CLA	C1A-C2A-CAA-CBA
17	1	307	CLA	C1A-C2A-CAA-CBA
17	2	314	CLA	C1A-C2A-CAA-CBA
17	5	306	CLA	C1A-C2A-CAA-CBA
17	A	811	CLA	C4-C3-C5-C6
17	B	818	CLA	C11-C12-C13-C14
20	B	846	BCR	C6-C7-C8-C9
25	2	320	5X6	C03-C11-C12-C13
17	A	803	CLA	CAA-CBA-CGA-O2A
17	A	818	CLA	CAA-CBA-CGA-O2A
17	A	825	CLA	CAA-CBA-CGA-O2A
19	A	841	LHG	O8-C23-C24-C25
20	B	845	BCR	C11-C12-C13-C14
25	1	313	5X6	C21-C22-C23-C24
25	2	319	5X6	C11-C12-C13-C14
25	3	317	5X6	C15-C16-C17-C18
25	4	313	5X6	C23-C24-C25-C26
17	B	831	CLA	CAA-CBA-CGA-O2A
17	3	311	CLA	CAA-CBA-CGA-O2A
22	B	851	LMT	O1'-C1-C2-C3
19	J	102	LHG	C12-C13-C14-C15
17	4	310	CLA	CAA-CBA-CGA-O1A
17	1	306	CLA	CBD-CGD-O2D-CED
17	A	824	CLA	C2-C1-O2A-CGA
17	A	834	CLA	C2-C1-O2A-CGA
17	B	834	CLA	C2-C1-O2A-CGA
17	B	841	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
17	A	823	CLA	C11-C10-C8-C7
17	A	852	CLA	C11-C10-C8-C7
17	A	854	CLA	C11-C10-C8-C7
17	B	805	CLA	C6-C7-C8-C10
17	B	810	CLA	C11-C12-C13-C15
17	A	816	CLA	CBA-CGA-O2A-C1
17	A	815	CLA	C13-C15-C16-C17
17	5	304	CLA	C5-C6-C7-C8
19	A	841	LHG	C10-C11-C12-C13
17	A	825	CLA	C13-C15-C16-C17
17	B	814	CLA	C16-C17-C18-C19
17	5	311	CLA	CAA-CBA-CGA-O1A
17	B	832	CLA	C3A-C2A-CAA-CBA
17	1	304	CLA	C3A-C2A-CAA-CBA
17	5	305	CLA	C3A-C2A-CAA-CBA
17	A	810	CLA	CAA-CBA-CGA-O1A
17	A	823	CLA	CAA-CBA-CGA-O1A
17	5	311	CLA	C2A-CAA-CBA-CGA
19	J	102	LHG	C11-C12-C13-C14
22	3	301	LMT	C11-C10-C9-C8
17	A	821	CLA	CAA-CBA-CGA-O1A
17	B	801	CLA	CAA-CBA-CGA-O1A
17	B	830	CLA	CAA-CBA-CGA-O1A
17	3	315	CLA	CAA-CBA-CGA-O1A
17	A	859	CLA	CAA-CBA-CGA-O2A
17	B	816	CLA	C5-C6-C7-C8
20	A	843	BCR	C7-C8-C9-C10
17	A	835	CLA	CBA-CGA-O2A-C1
17	A	818	CLA	CAA-CBA-CGA-O1A
19	A	841	LHG	O10-C23-C24-C25
17	A	839	CLA	C8-C10-C11-C12
17	A	839	CLA	C13-C15-C16-C17
17	4	310	CLA	CAA-CBA-CGA-O2A
17	B	807	CLA	CAA-CBA-CGA-O1A
19	J	102	LHG	O10-C23-C24-C25
17	B	810	CLA	CAA-CBA-CGA-O2A
24	B	849	DGD	O2G-C1B-C2B-C3B
17	K	102	CLA	C5-C6-C7-C8
17	K	102	CLA	CAA-CBA-CGA-O2A
17	A	804	CLA	CAA-CBA-CGA-O1A
17	3	311	CLA	CAA-CBA-CGA-O1A
22	F	201	LMT	C4-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
17	B	836	CLA	C11-C12-C13-C15
17	B	815	CLA	CAD-CBD-CGD-O2D
17	A	811	CLA	CAA-CBA-CGA-O2A
17	5	314	CLA	CAA-CBA-CGA-O2A
17	5	311	CLA	CAA-CBA-CGA-O2A
17	L	204	CLA	C2-C1-O2A-CGA
17	A	825	CLA	CAA-CBA-CGA-O1A
17	B	805	CLA	CAA-CBA-CGA-O1A
17	B	810	CLA	CAA-CBA-CGA-O1A
17	A	839	CLA	O1D-CGD-O2D-CED
17	A	827	CLA	C16-C17-C18-C19
17	B	814	CLA	C16-C17-C18-C20
19	A	842	LHG	O9-C7-C8-C9
17	A	817	CLA	C2-C3-C5-C6
17	A	808	CLA	C3-C5-C6-C7
19	A	841	LHG	C26-C27-C28-C29
17	B	833	CLA	C2C-C3C-CAC-CBC
17	B	811	CLA	CAA-CBA-CGA-O2A
17	A	803	CLA	CAA-CBA-CGA-O1A

There are no ring outliers.

183 monomers are involved in 416 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	B	805	CLA	5	0
17	3	314	CLA	1	0
17	4	307	CLA	4	0
17	B	809	CLA	1	0
17	A	819	CLA	6	0
17	A	806	CLA	1	0
17	5	303	CLA	1	0
20	L	201	BCR	2	0
17	F	203	CLA	3	0
25	4	314	5X6	1	0
17	5	307	CLA	2	0
17	B	812	CLA	6	0
17	B	825	CLA	5	0
17	A	839	CLA	5	0
17	B	814	CLA	6	0
21	C	102	SF4	1	0
17	5	312	CLA	2	0
17	B	827	CLA	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	B	808	CLA	2	0
17	B	834	CLA	4	0
17	5	313	CLA	5	0
17	A	856	CLA	1	0
17	A	828	CLA	1	0
17	A	808	CLA	1	0
17	B	831	CLA	4	0
17	2	306	CLA	2	0
20	A	846	BCR	4	0
17	B	823	CLA	5	0
17	A	831	CLA	5	0
17	B	839	CLA	7	0
17	B	819	CLA	1	0
17	B	804	CLA	3	0
17	B	826	CLA	5	0
17	5	311	CLA	1	0
17	A	854	CLA	6	0
17	A	818	CLA	3	0
17	1	301	CLA	2	0
17	A	834	CLA	3	0
17	2	304	CLA	4	0
17	5	306	CLA	1	0
20	B	803	BCR	3	0
17	B	820	CLA	4	0
17	B	822	CLA	1	0
17	A	829	CLA	2	0
17	A	836	CLA	3	0
17	B	830	CLA	5	0
17	B	806	CLA	1	0
17	2	311	CLA	1	0
17	B	824	CLA	2	0
17	5	309	CLA	3	0
17	5	314	CLA	2	0
17	B	807	CLA	6	0
25	1	314	5X6	1	0
20	A	857	BCR	2	0
17	5	302	CLA	2	0
20	M	101	BCR	4	0
17	A	811	CLA	7	0
17	A	816	CLA	7	0
17	B	857	CLA	4	0
17	A	824	CLA	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
20	I	101	BCR	1	0
17	O	203	CLA	2	0
20	B	848	BCR	1	0
17	2	313	CLA	3	0
24	B	849	DGD	3	0
17	A	812	CLA	2	0
17	A	820	CLA	2	0
17	1	308	CLA	3	0
17	A	830	CLA	2	0
20	B	843	BCR	1	0
25	2	318	5X6	1	0
17	A	827	CLA	1	0
17	4	309	CLA	2	0
17	4	303	CLA	2	0
17	A	835	CLA	1	0
17	3	311	CLA	1	0
17	3	309	CLA	1	0
17	A	802	CLA	1	0
17	B	829	CLA	2	0
17	2	305	CLA	1	0
17	O	205	CLA	1	0
17	2	309	CLA	7	0
17	2	316	CLA	2	0
17	3	315	CLA	1	0
17	2	308	CLA	2	0
17	A	810	CLA	3	0
17	B	832	CLA	2	0
17	A	814	CLA	2	0
17	3	306	CLA	2	0
17	A	832	CLA	3	0
17	B	835	CLA	4	0
17	A	803	CLA	4	0
17	A	805	CLA	1	0
17	B	811	CLA	5	0
17	B	836	CLA	8	0
20	B	844	BCR	1	0
17	B	821	CLA	1	0
17	B	810	CLA	5	0
17	4	310	CLA	2	0
17	1	309	CLA	2	0
17	B	840	CLA	4	0
17	A	853	CLA	5	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	A	809	CLA	2	0
17	5	304	CLA	3	0
25	3	317	5X6	2	0
17	L	203	CLA	3	0
17	K	102	CLA	1	0
17	A	833	CLA	1	0
17	A	807	CLA	2	0
17	3	308	CLA	1	0
17	A	823	CLA	5	0
17	2	307	CLA	10	0
17	A	855	CLA	4	0
20	A	843	BCR	3	0
20	L	206	BCR	1	0
25	5	318	5X6	2	0
17	A	817	CLA	2	0
17	4	311	CLA	3	0
17	4	305	CLA	2	0
19	J	102	LHG	1	0
17	2	314	CLA	1	0
17	A	821	CLA	2	0
17	L	202	CLA	1	0
17	A	852	CLA	4	0
17	1	303	CLA	1	0
17	B	841	CLA	6	0
17	1	305	CLA	3	0
17	4	306	CLA	3	0
18	A	840	PQN	1	0
20	A	845	BCR	2	0
17	1	307	CLA	1	0
20	B	847	BCR	3	0
17	F	204	CLA	3	0
19	A	842	LHG	1	0
17	A	859	CLA	5	0
17	4	308	CLA	1	0
20	A	844	BCR	3	0
17	B	818	CLA	4	0
17	2	312	CLA	1	0
17	5	310	CLA	1	0
17	A	815	CLA	5	0
17	B	802	CLA	7	0
17	A	837	CLA	4	0
17	3	305	CLA	2	0

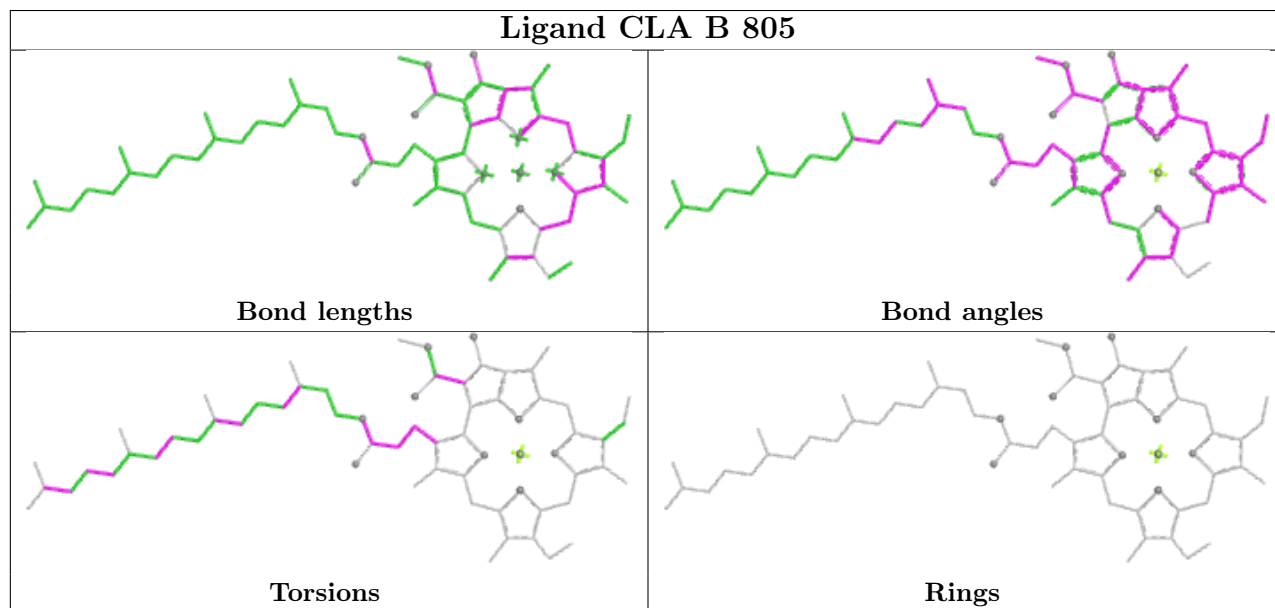
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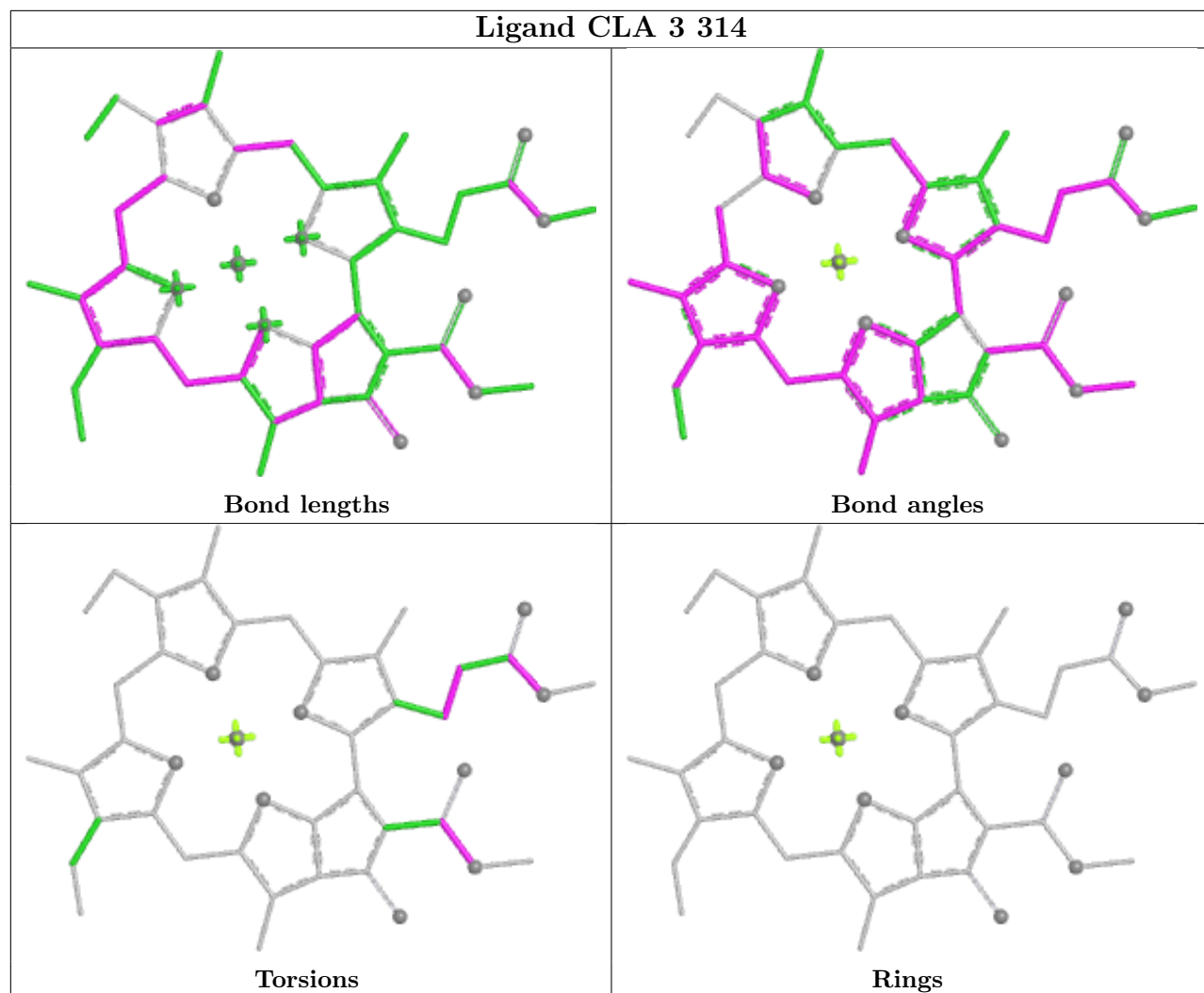
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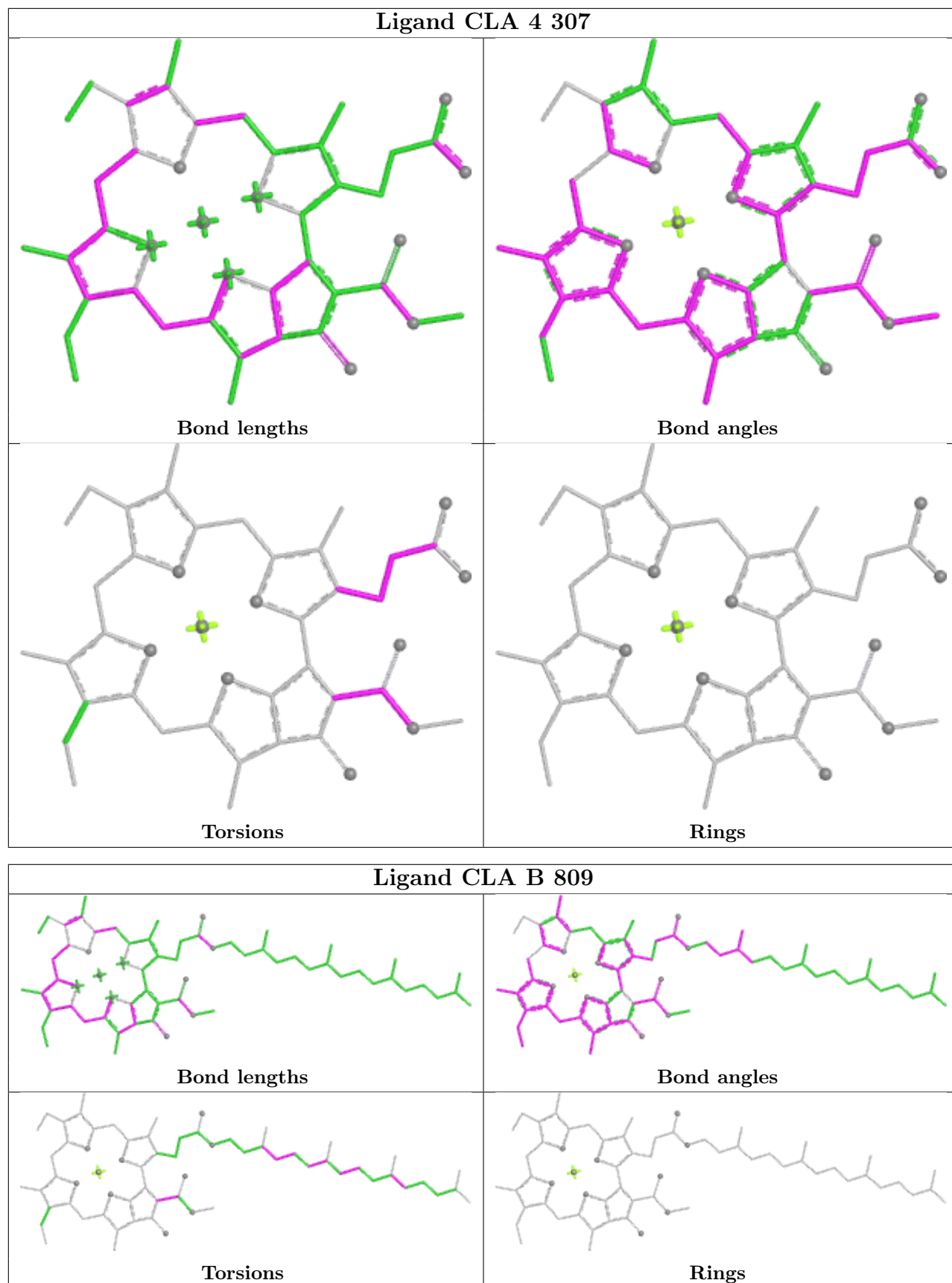
Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	O	204	CLA	2	0
20	J	104	BCR	3	0
17	B	813	CLA	5	0
17	A	825	CLA	2	0
17	B	817	CLA	5	0
17	B	828	CLA	6	0
16	A	801	CL0	3	0
17	3	307	CLA	1	0
17	2	315	CLA	1	0
17	A	813	CLA	3	0
17	B	833	CLA	4	0
17	B	838	CLA	3	0
17	1	311	CLA	1	0
17	1	306	CLA	3	0
17	2	310	CLA	3	0
17	B	816	CLA	2	0
17	L	204	CLA	5	0
25	1	312	5X6	1	0
17	3	313	CLA	1	0
17	B	815	CLA	4	0
20	L	205	BCR	1	0
17	1	310	CLA	3	0
17	5	305	CLA	4	0
17	K	103	CLA	2	0
17	A	838	CLA	1	0
17	B	837	CLA	5	0
17	A	804	CLA	3	0
17	A	826	CLA	5	0
17	1	304	CLA	3	0
17	B	801	CLA	3	0
17	1	302	CLA	1	0
20	B	845	BCR	1	0
17	A	822	CLA	2	0
17	3	312	CLA	2	0
18	B	842	PQN	3	0
17	3	310	CLA	2	0
17	J	103	CLA	1	0
17	5	308	CLA	5	0
20	K	104	BCR	1	0

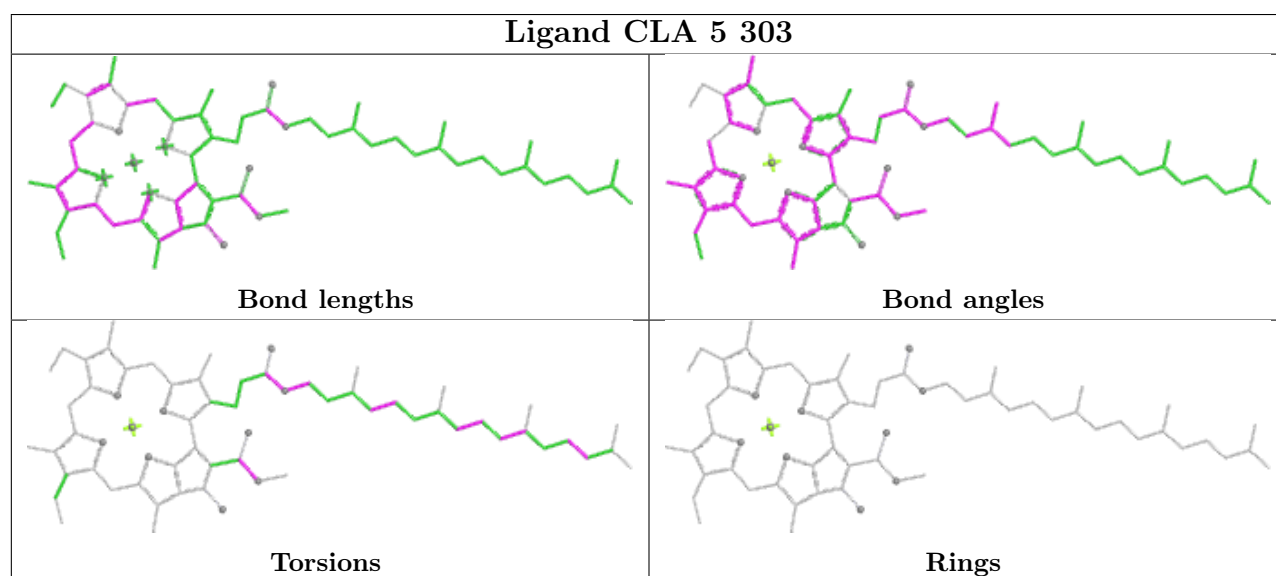
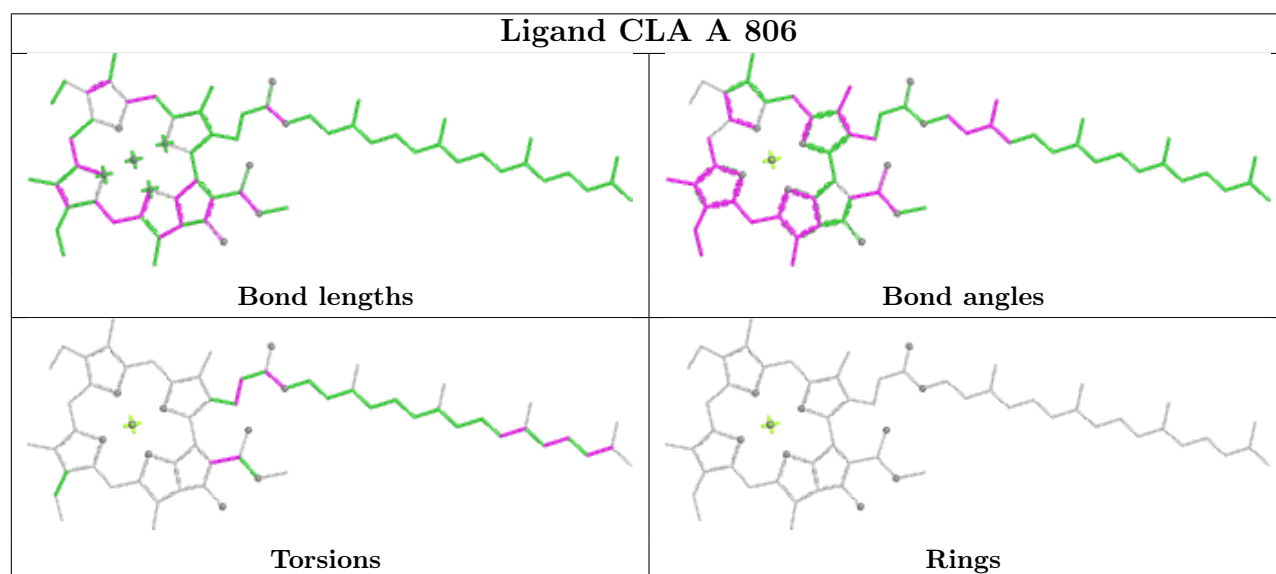
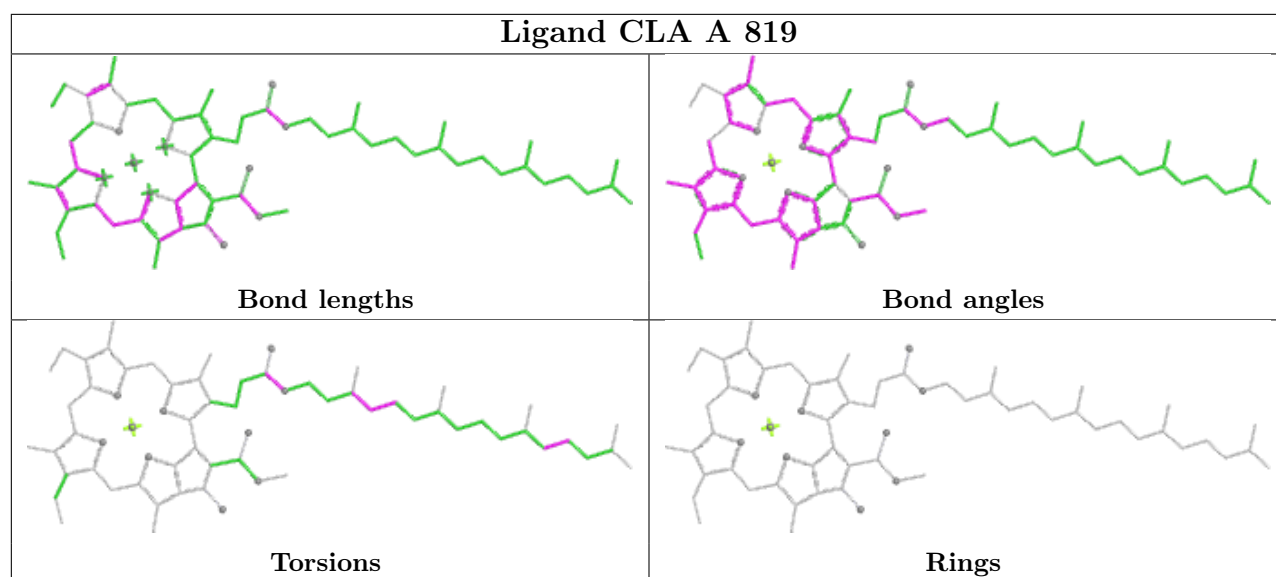
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will

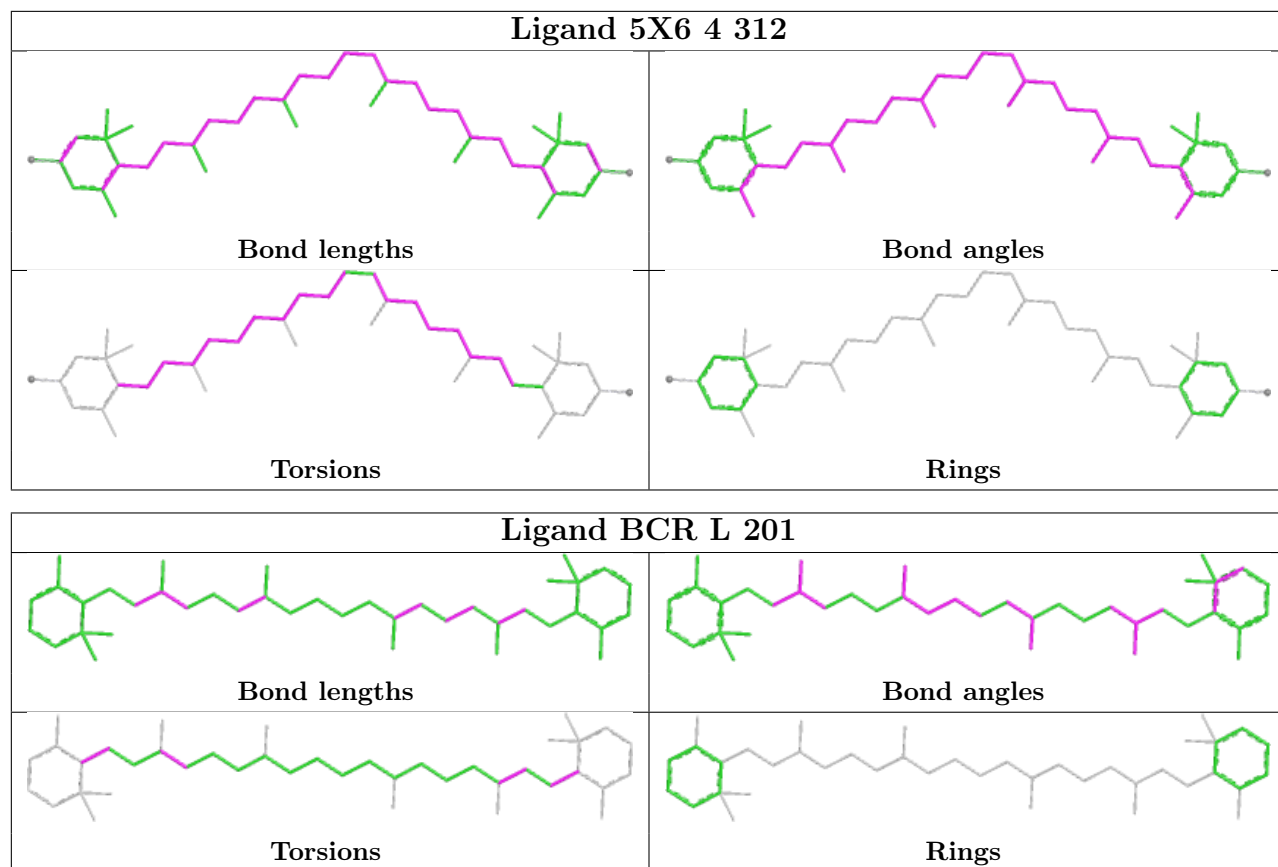
also be included. For torsion angles, if less than 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted 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.

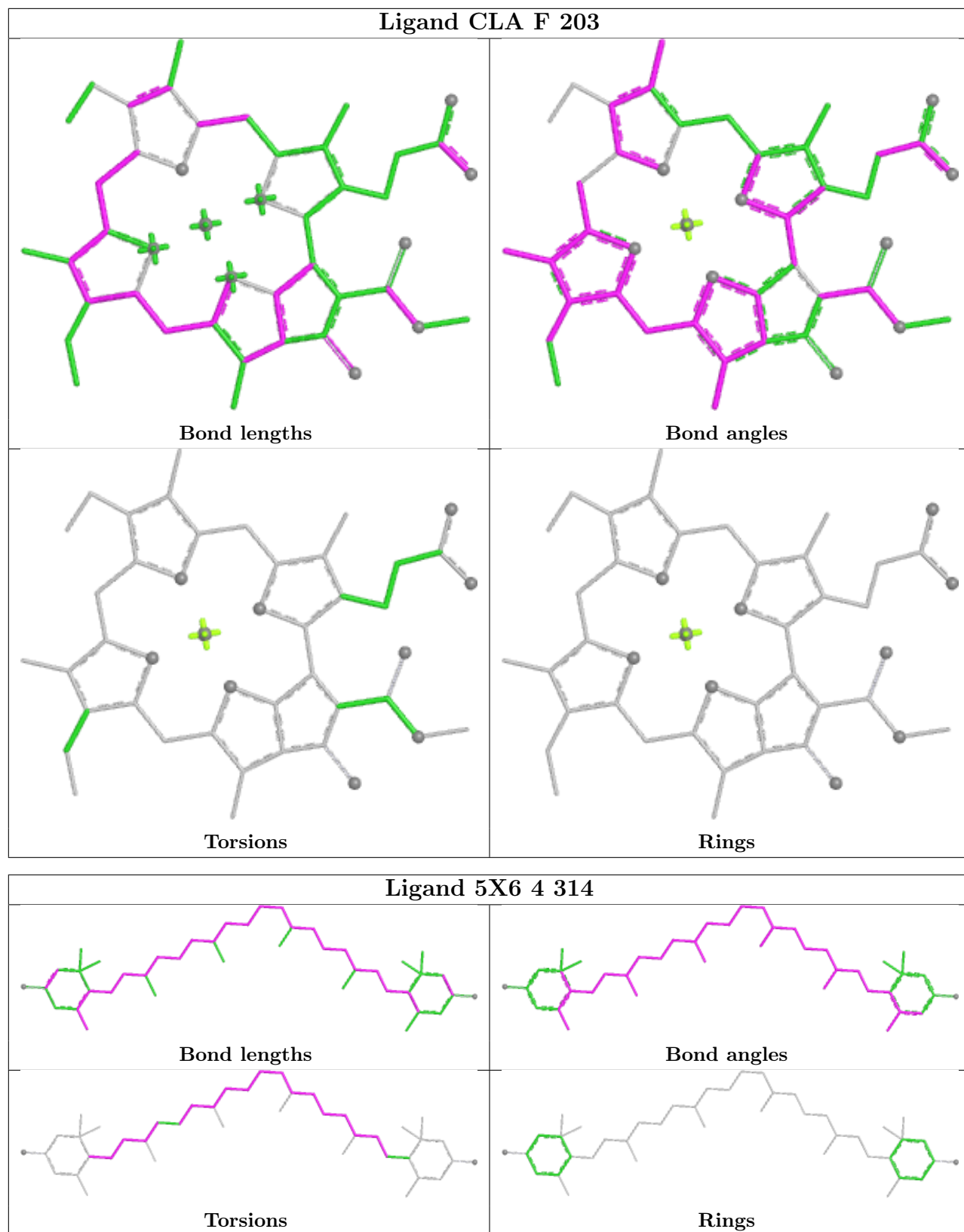


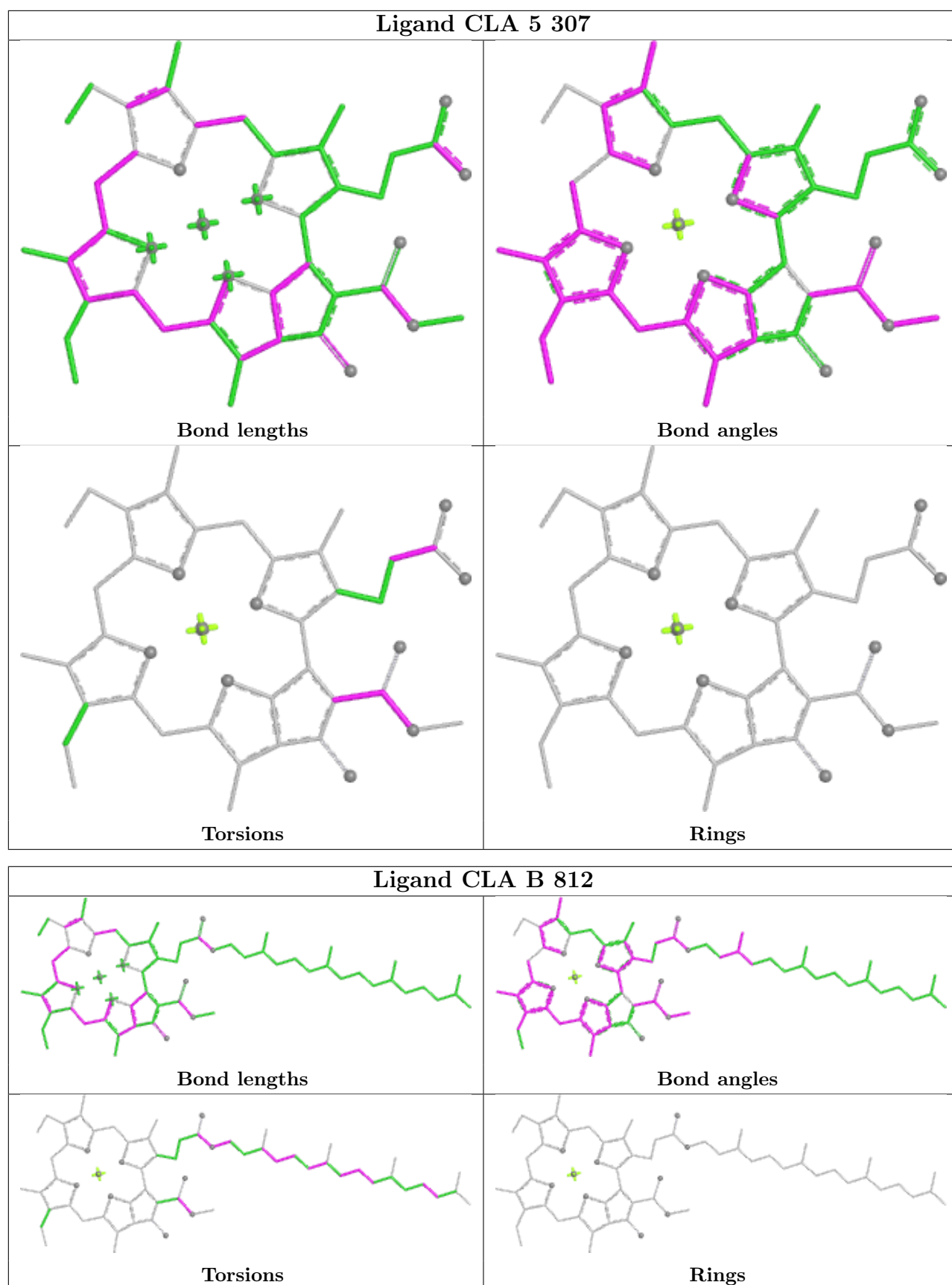


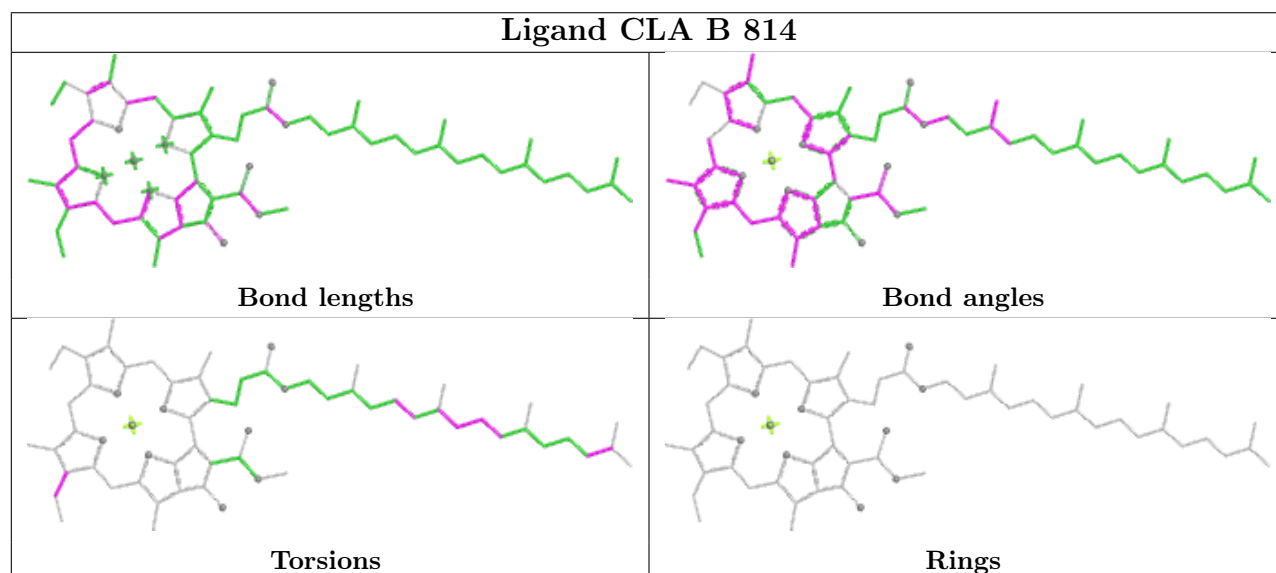
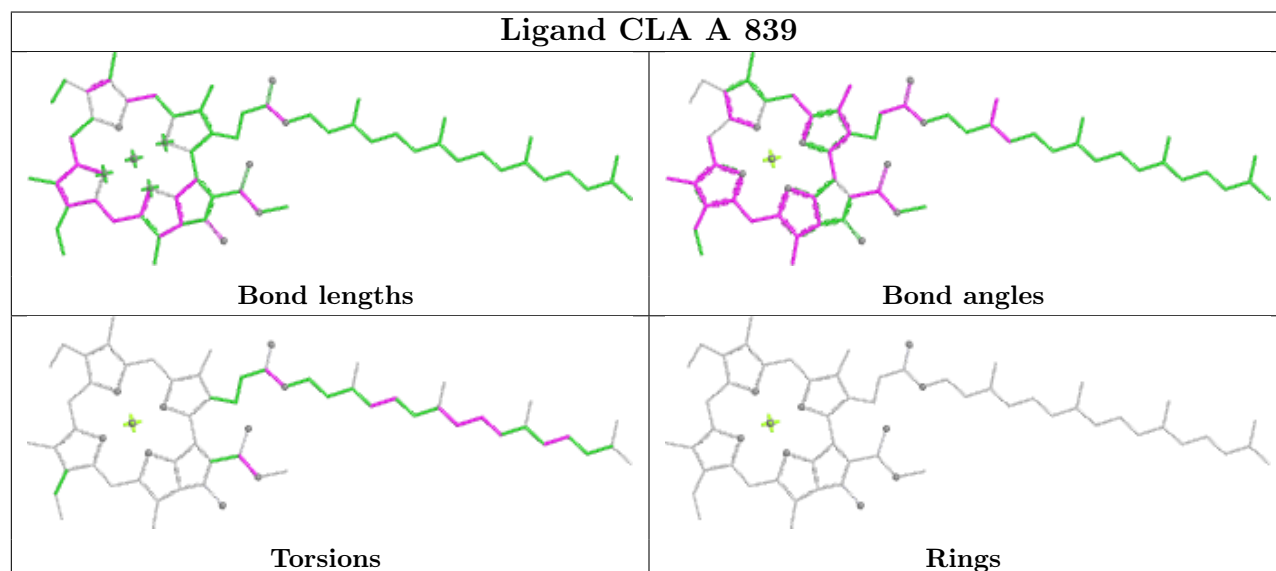
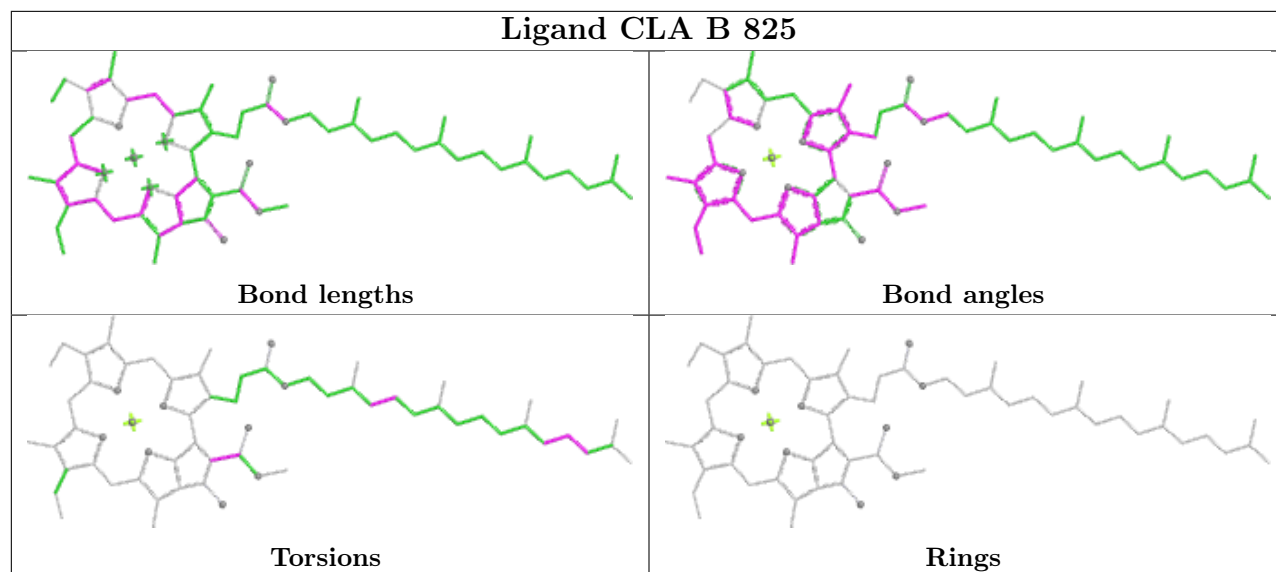


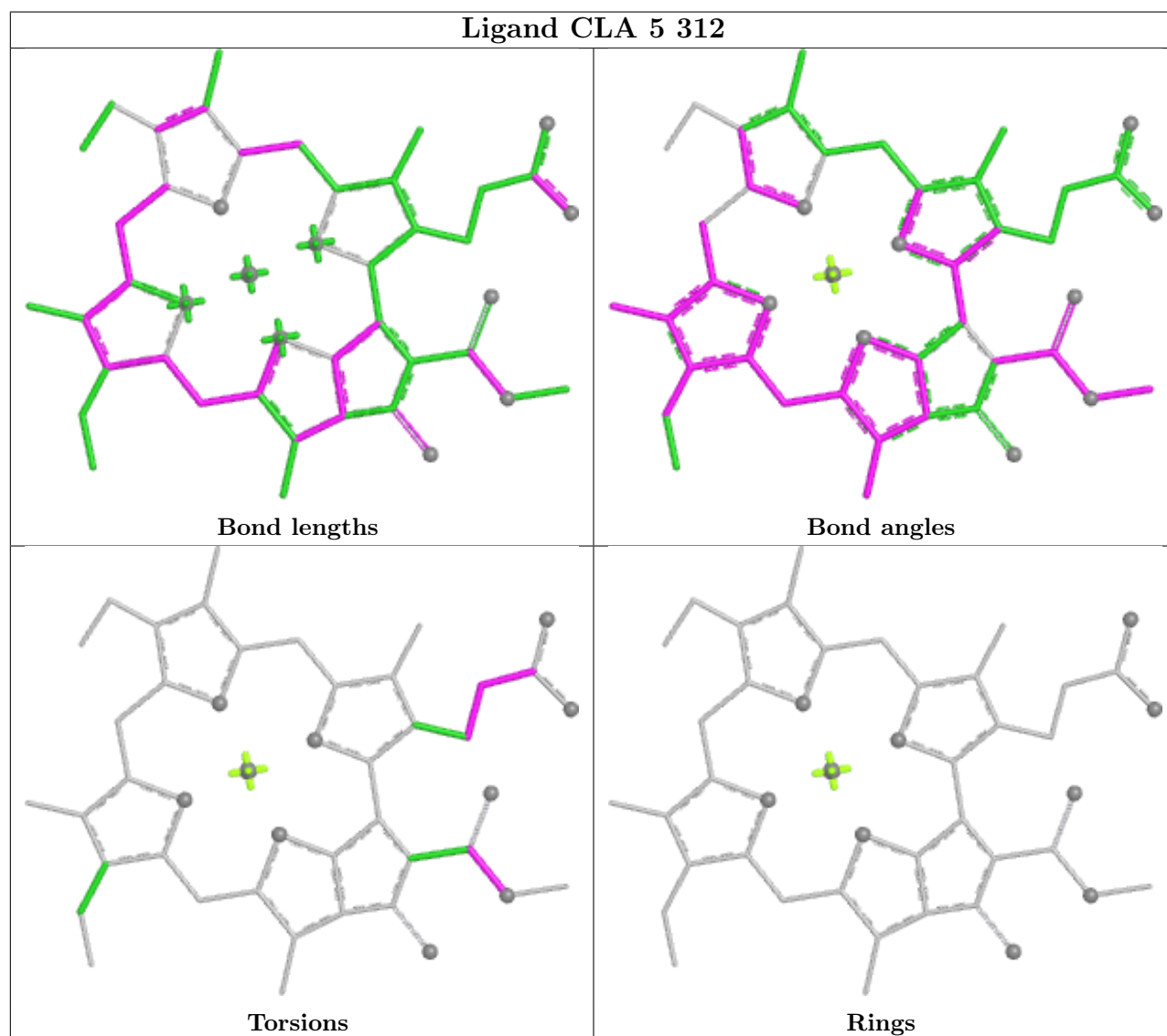
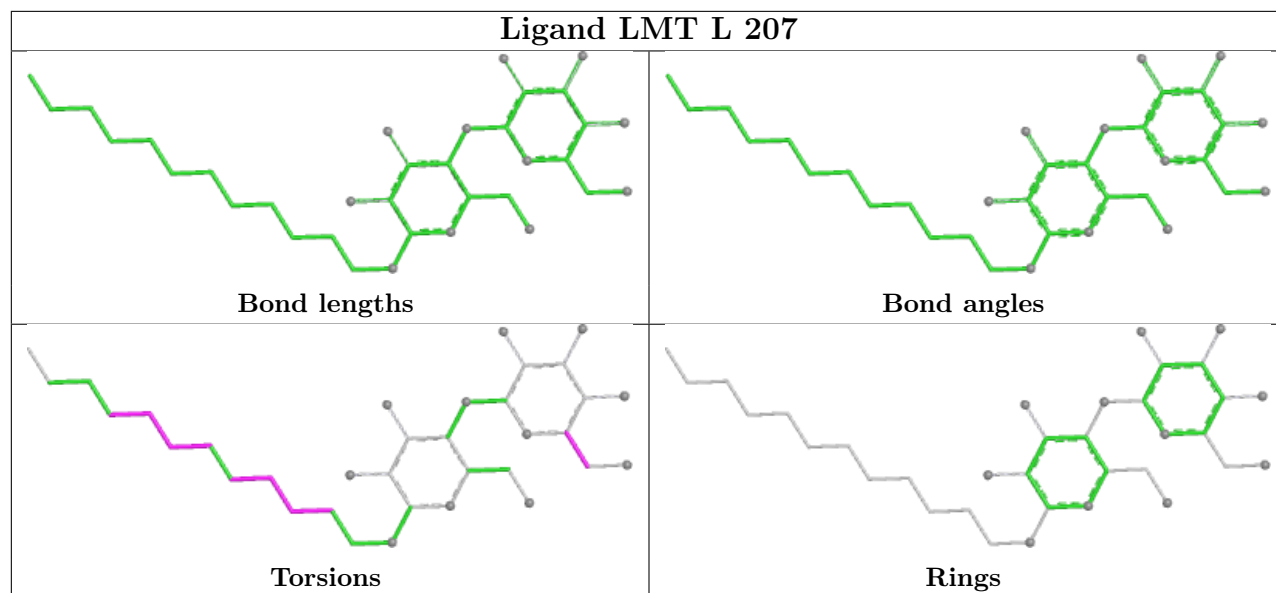


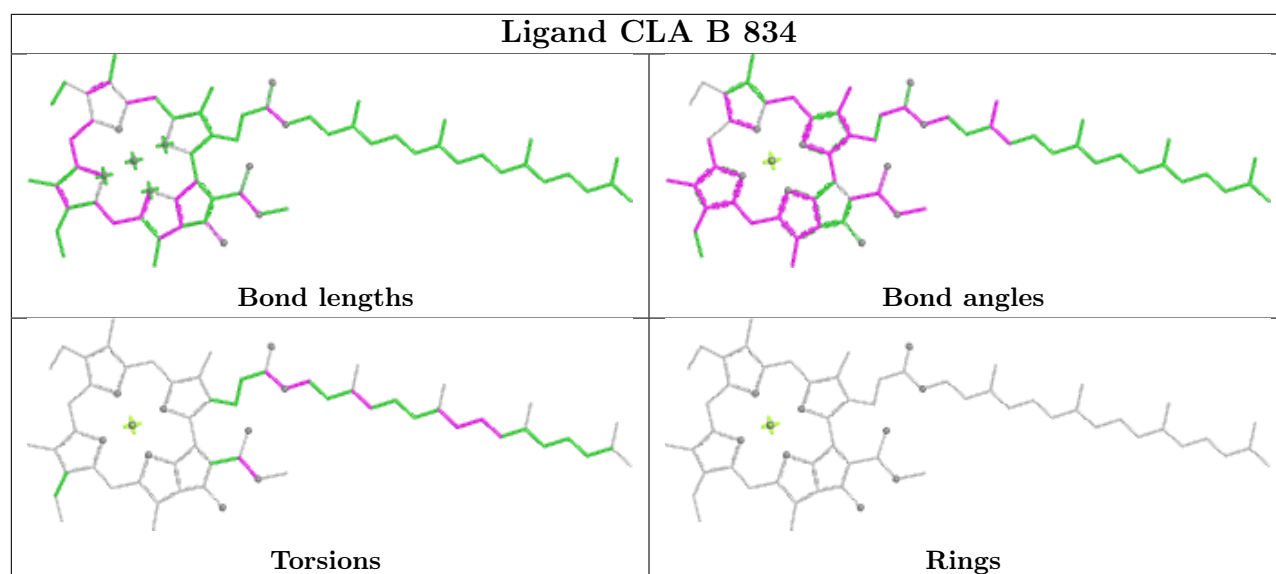
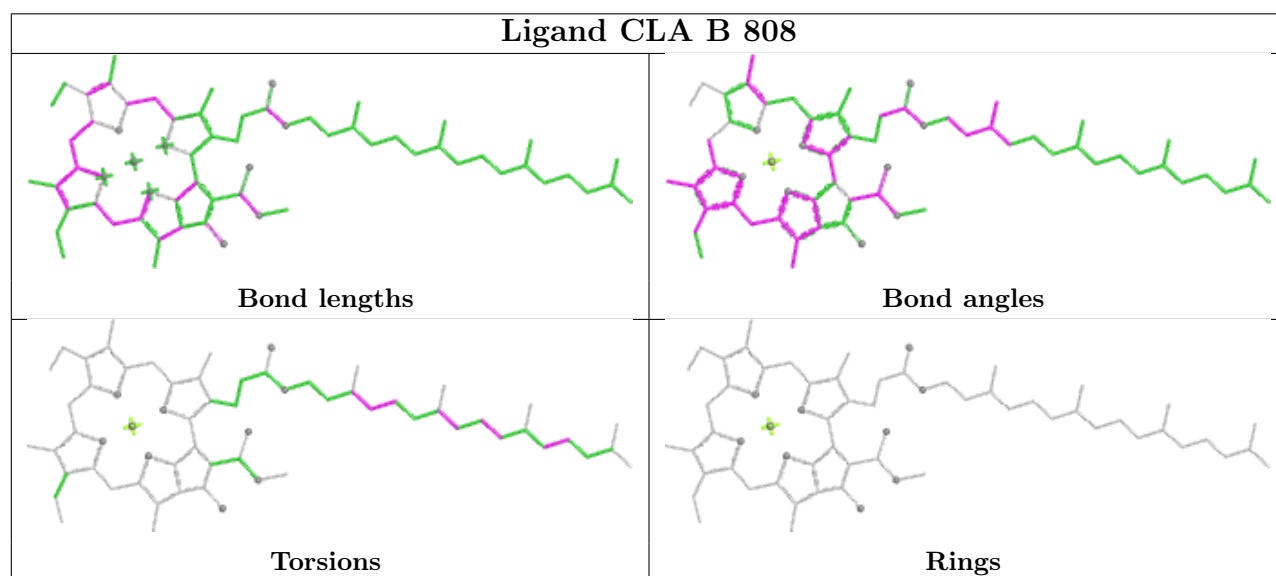
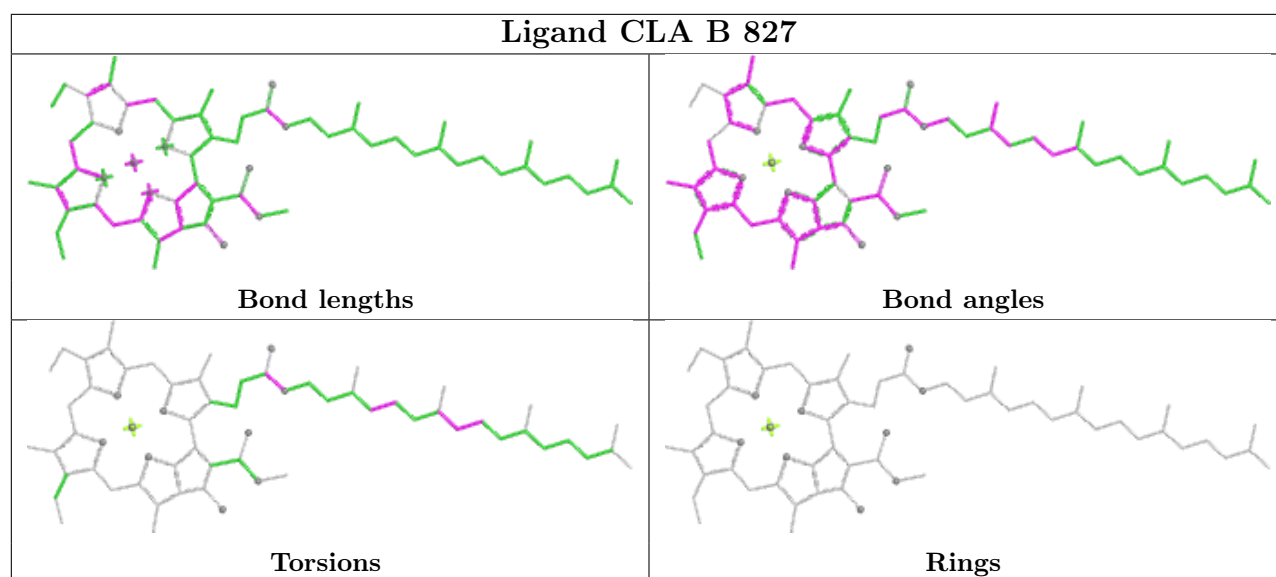


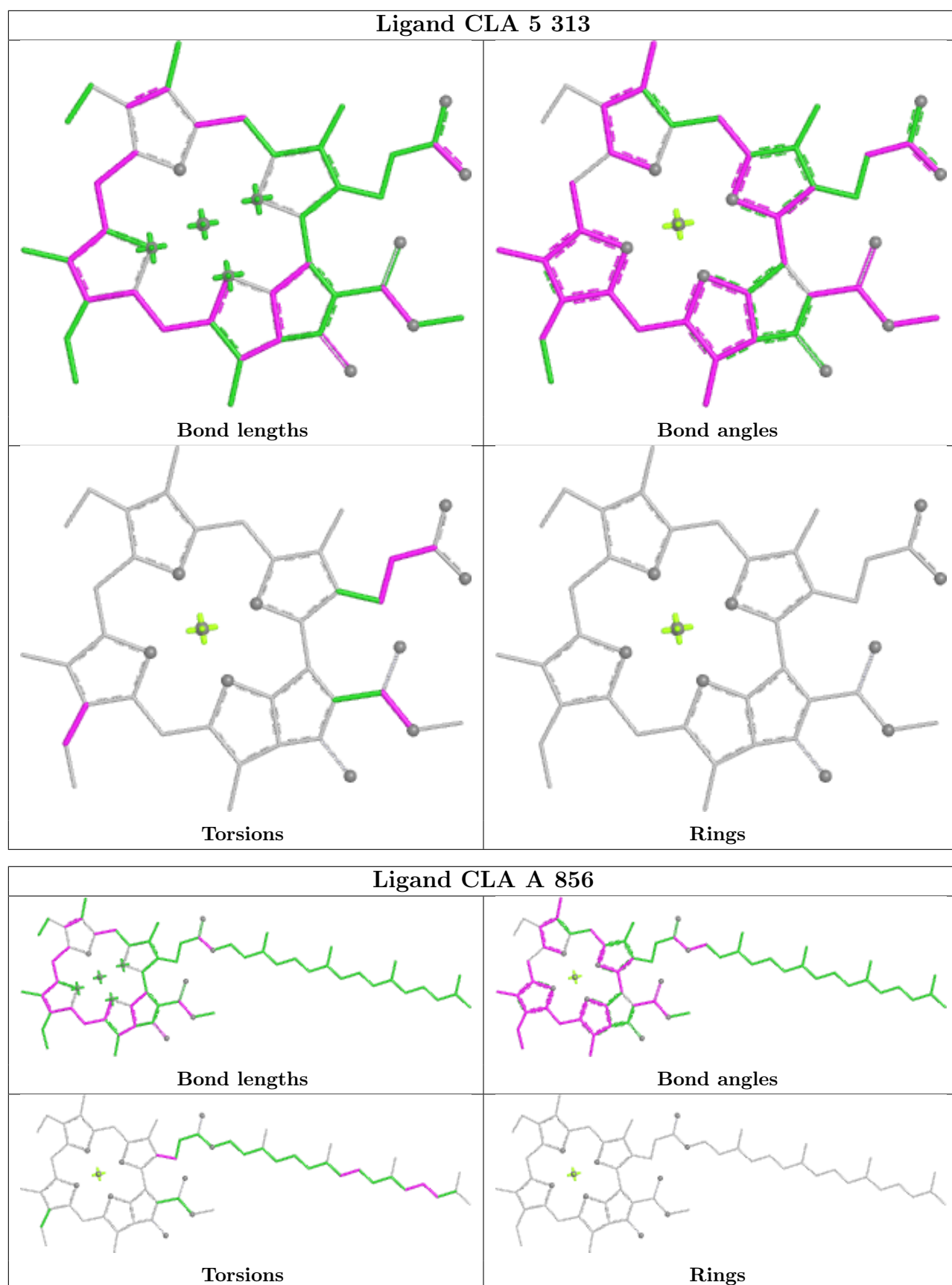


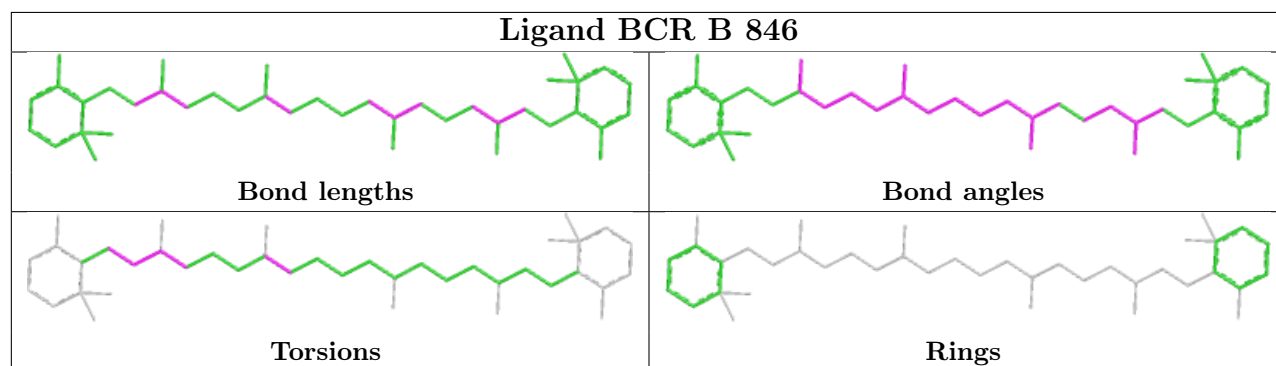
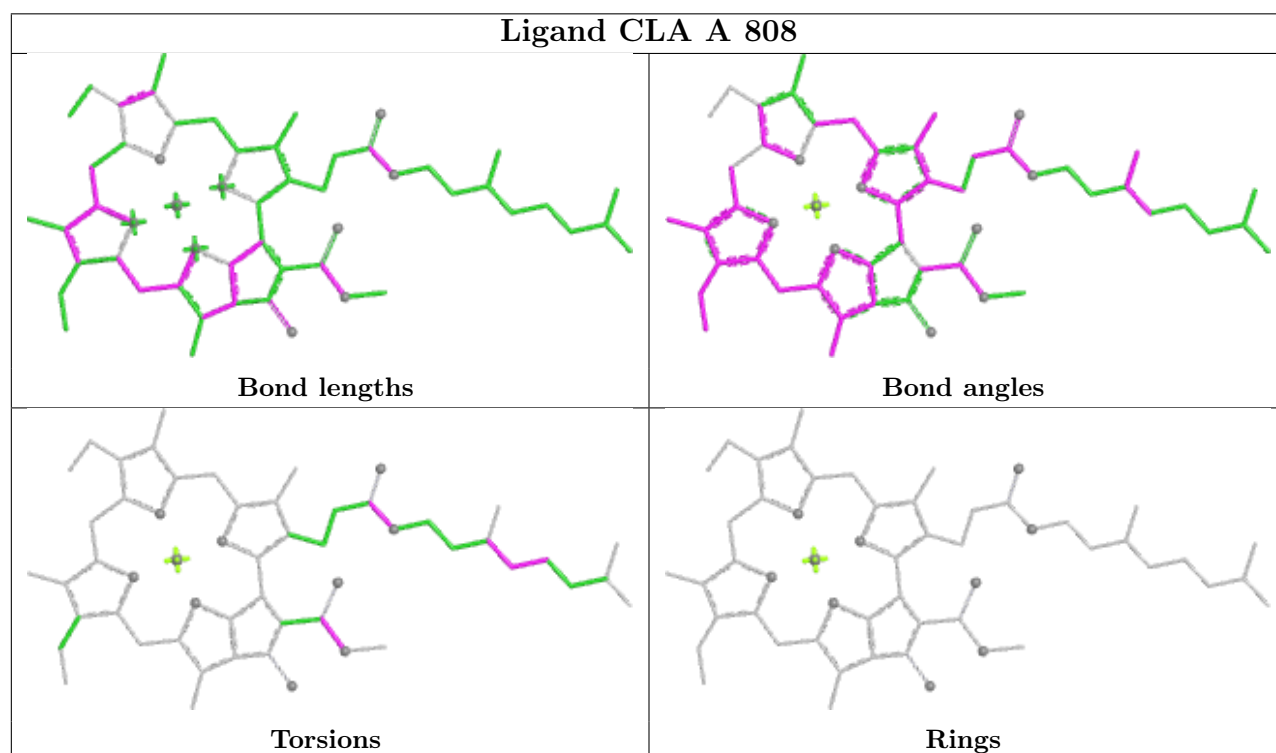
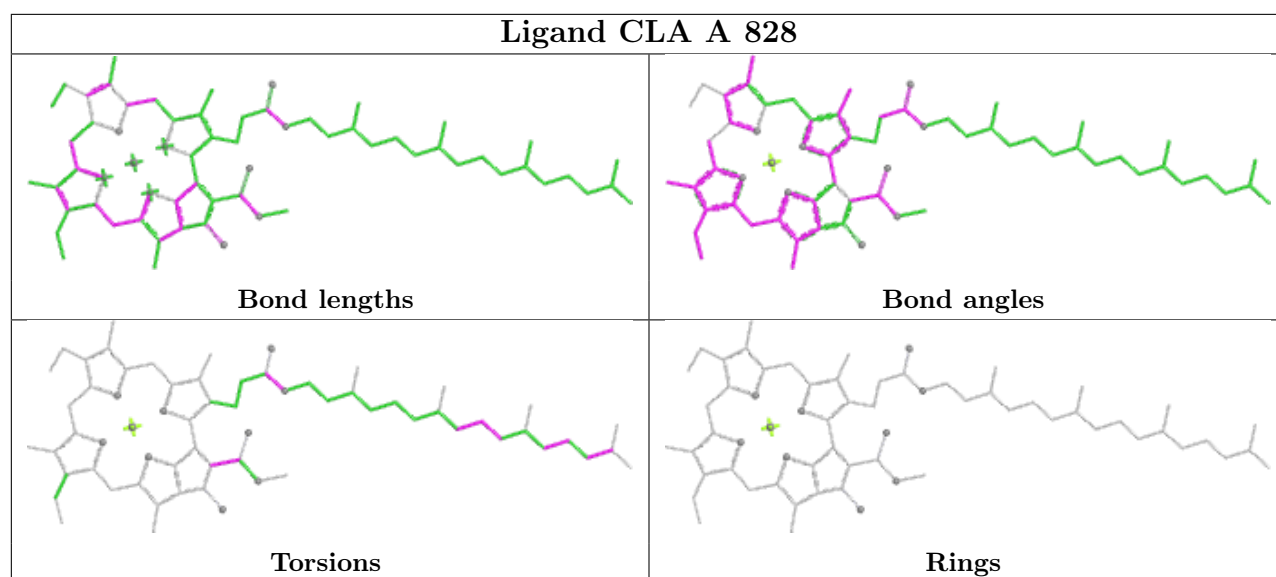


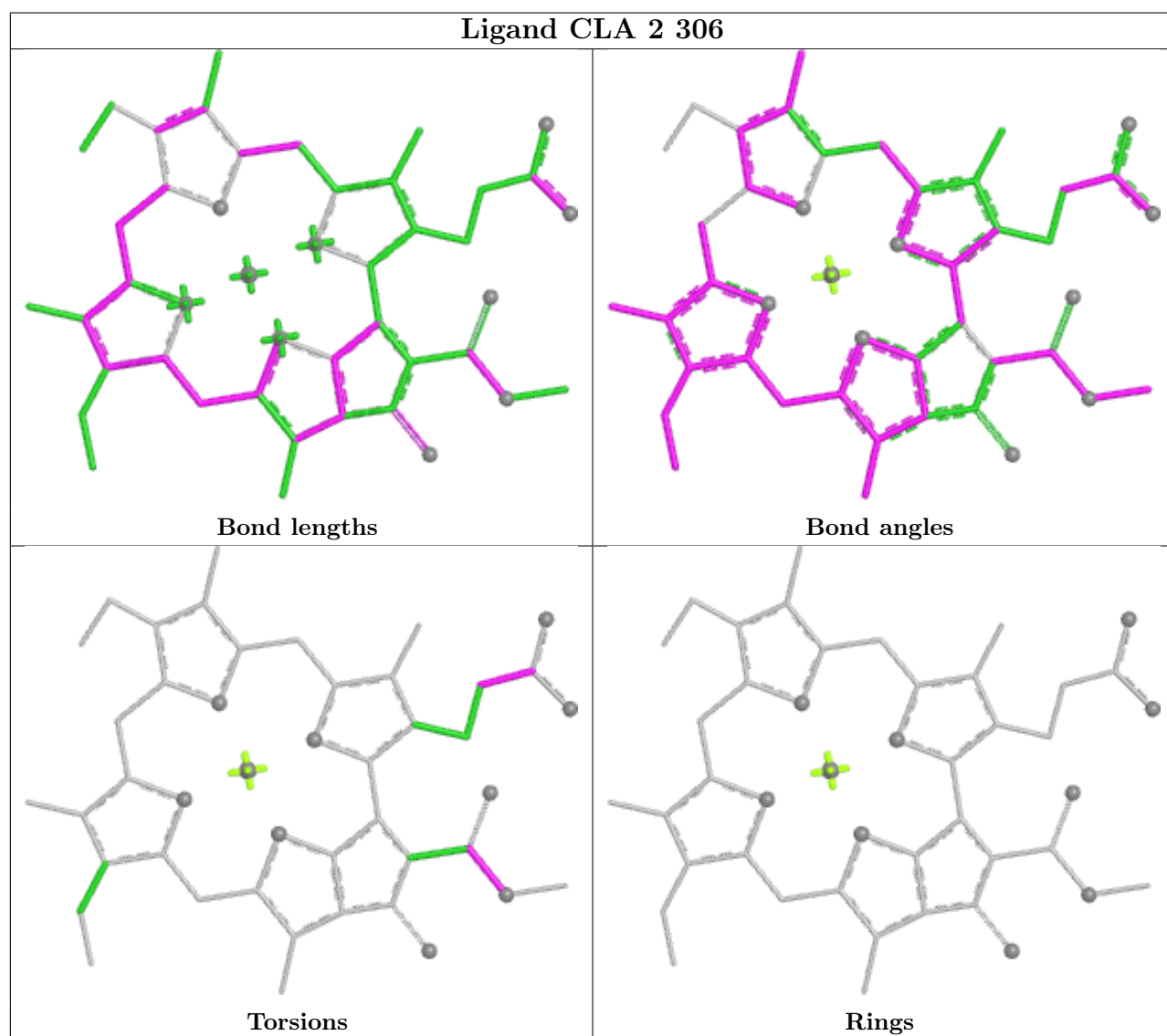
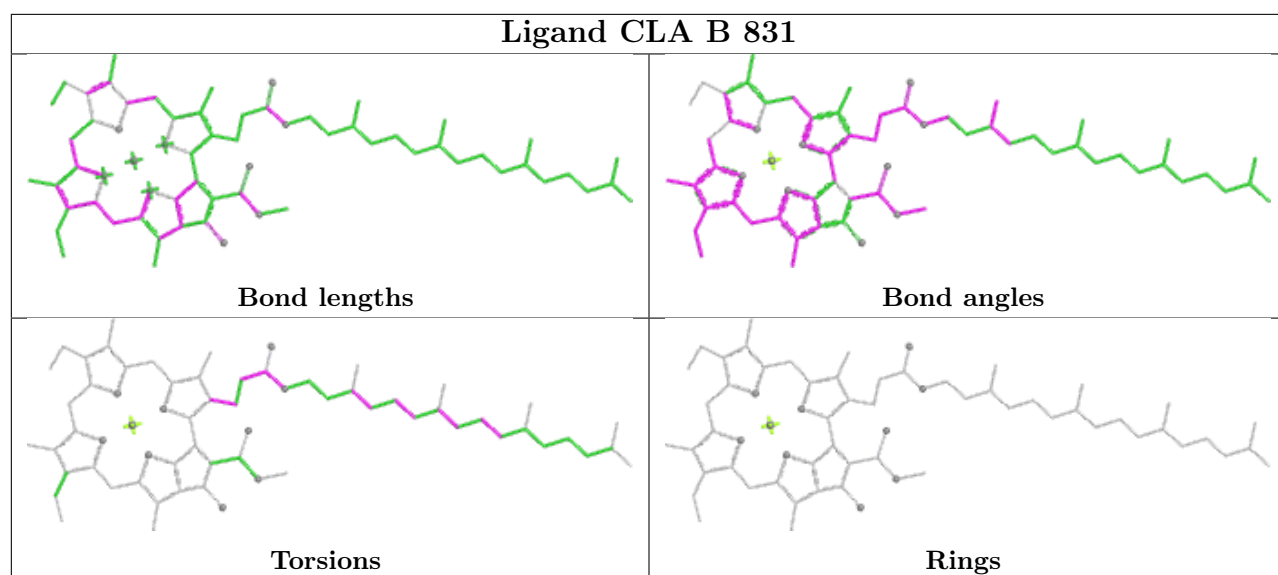


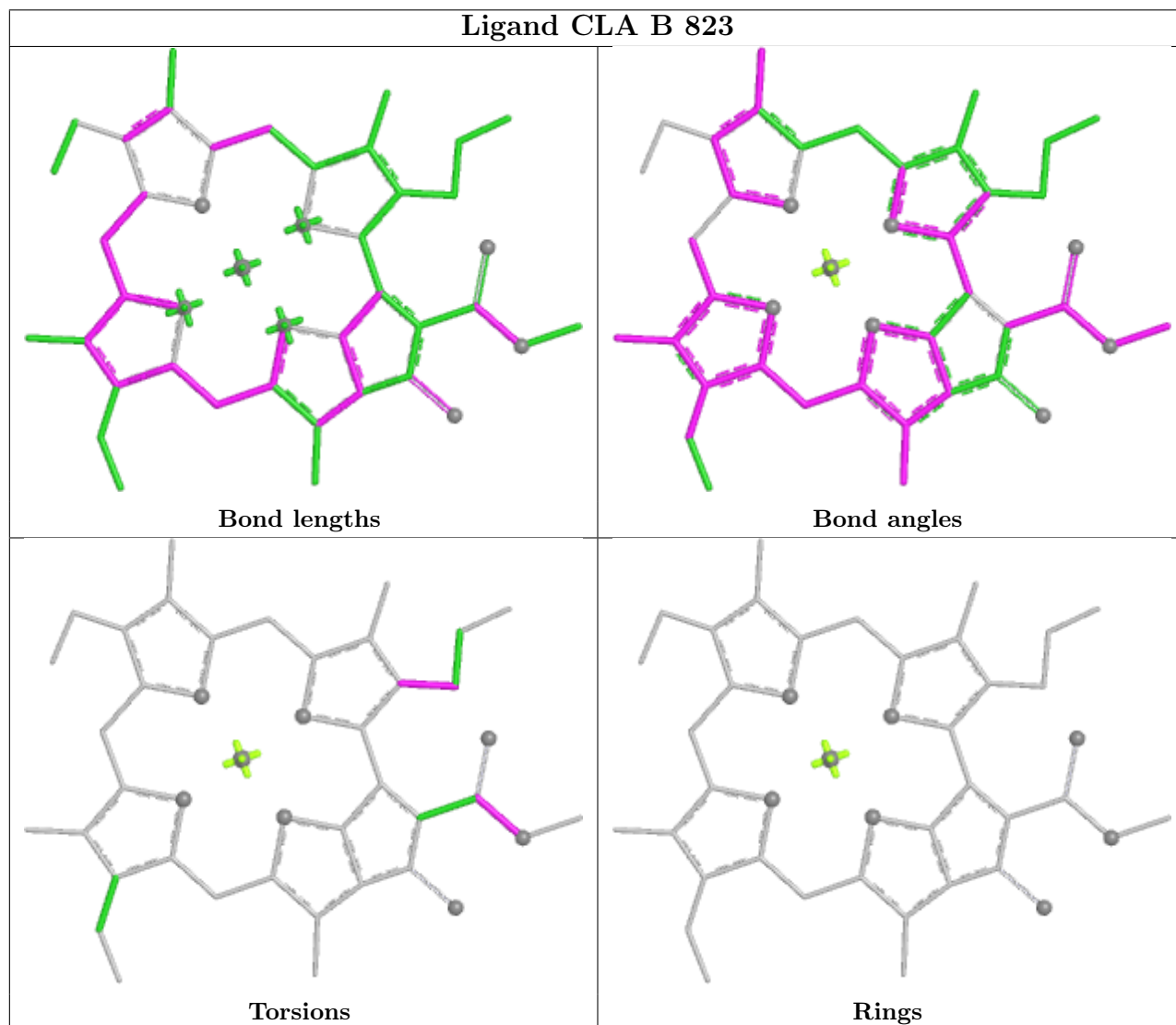
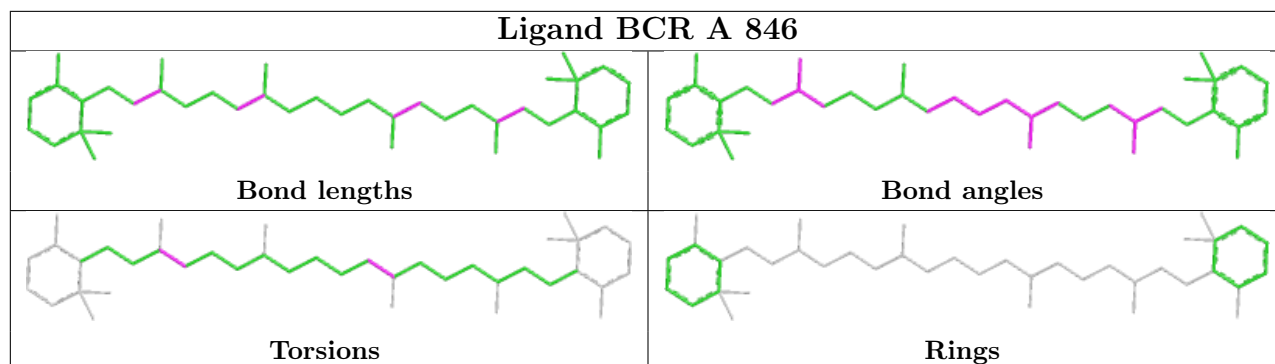


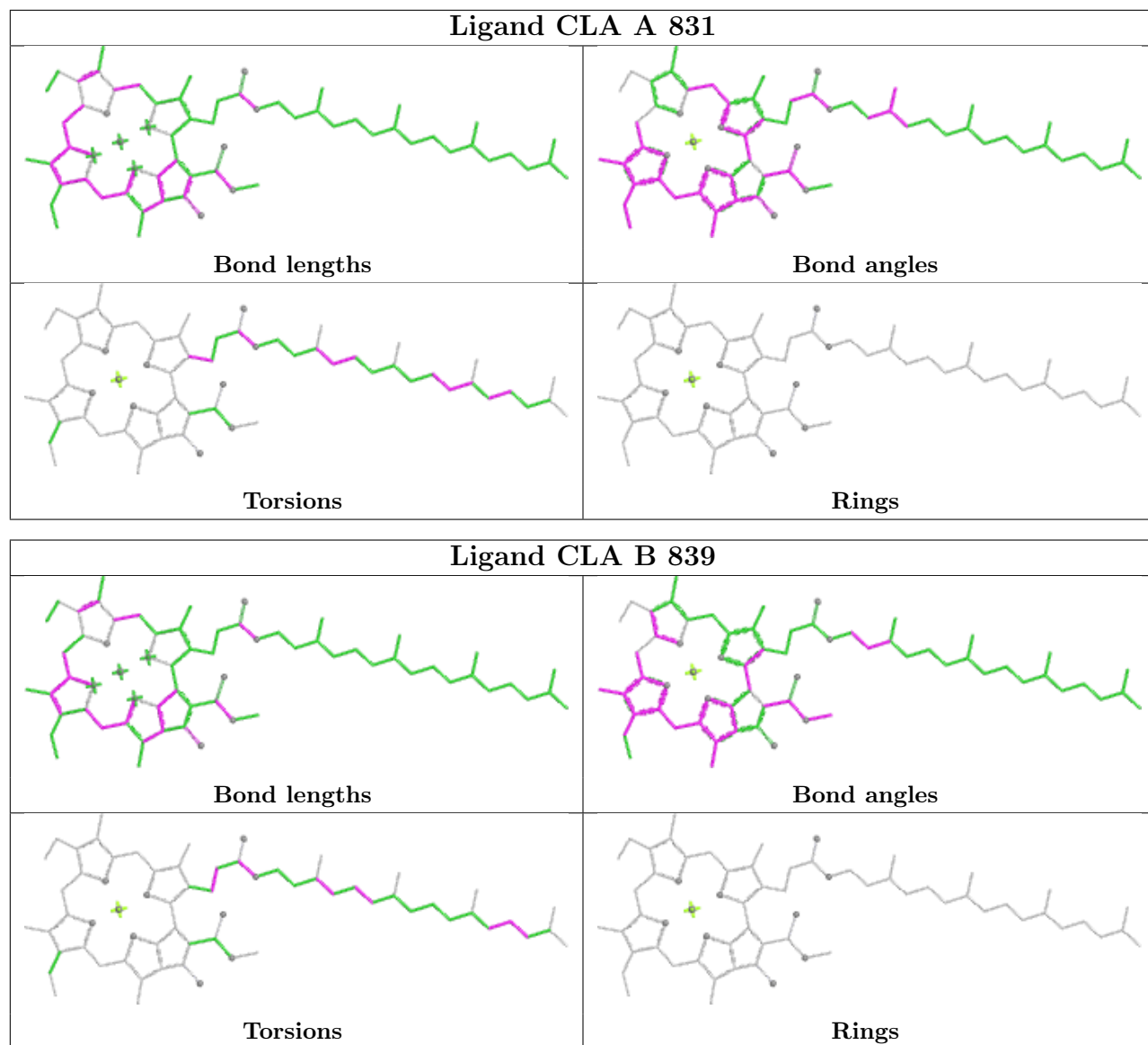


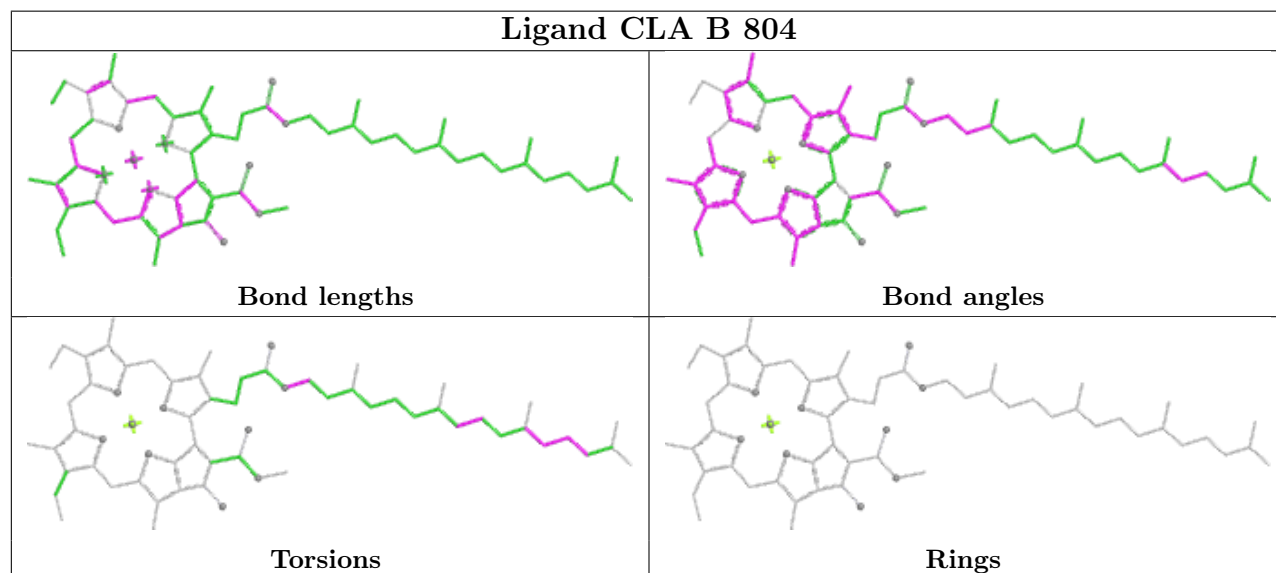
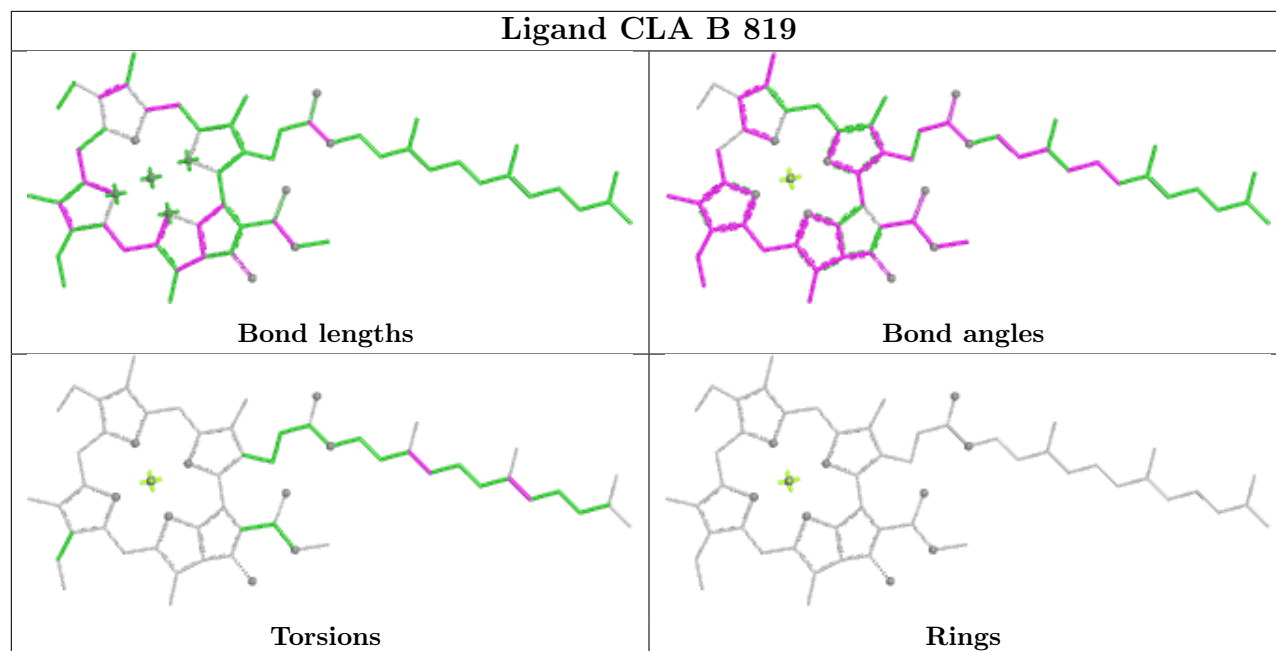


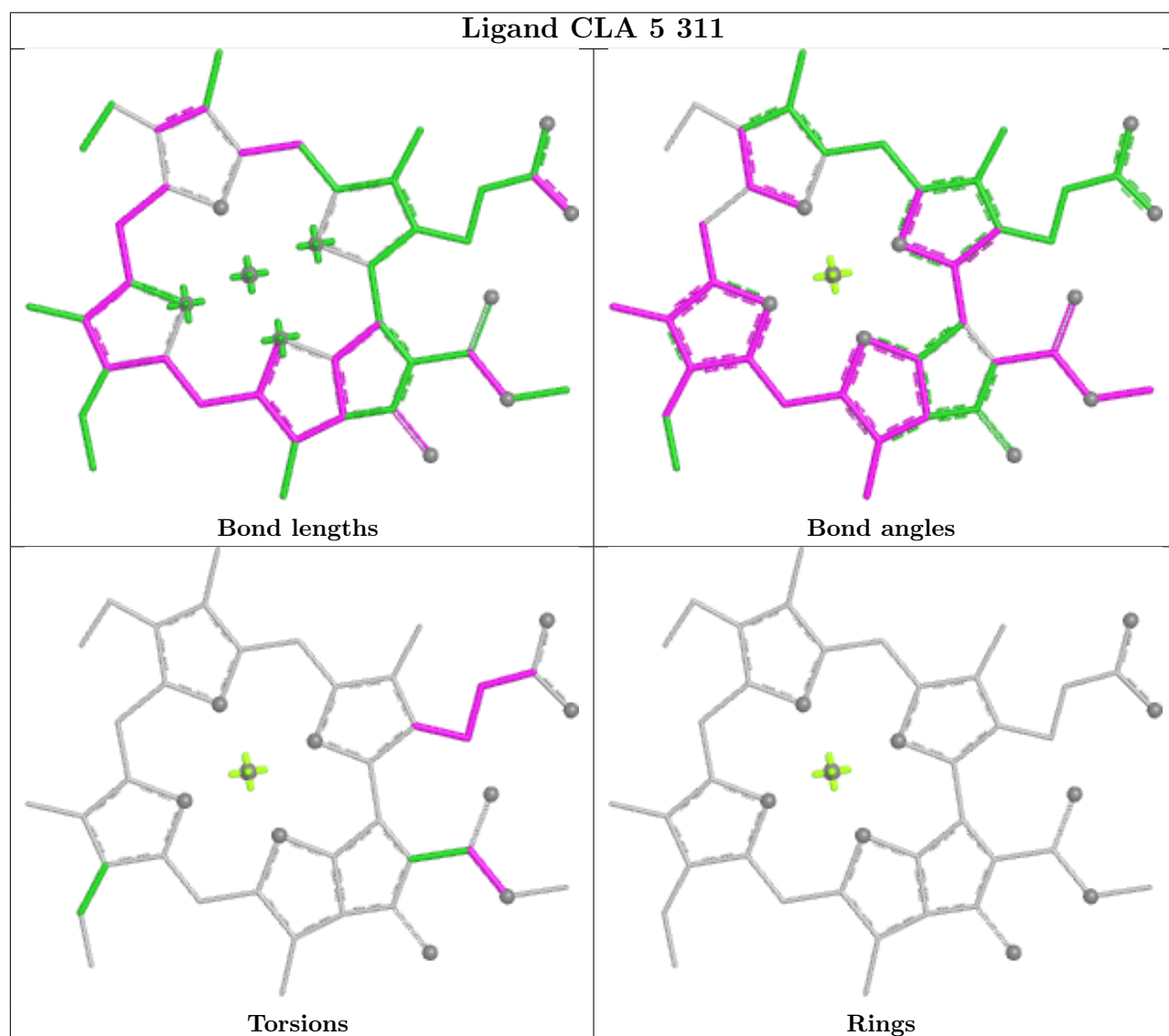
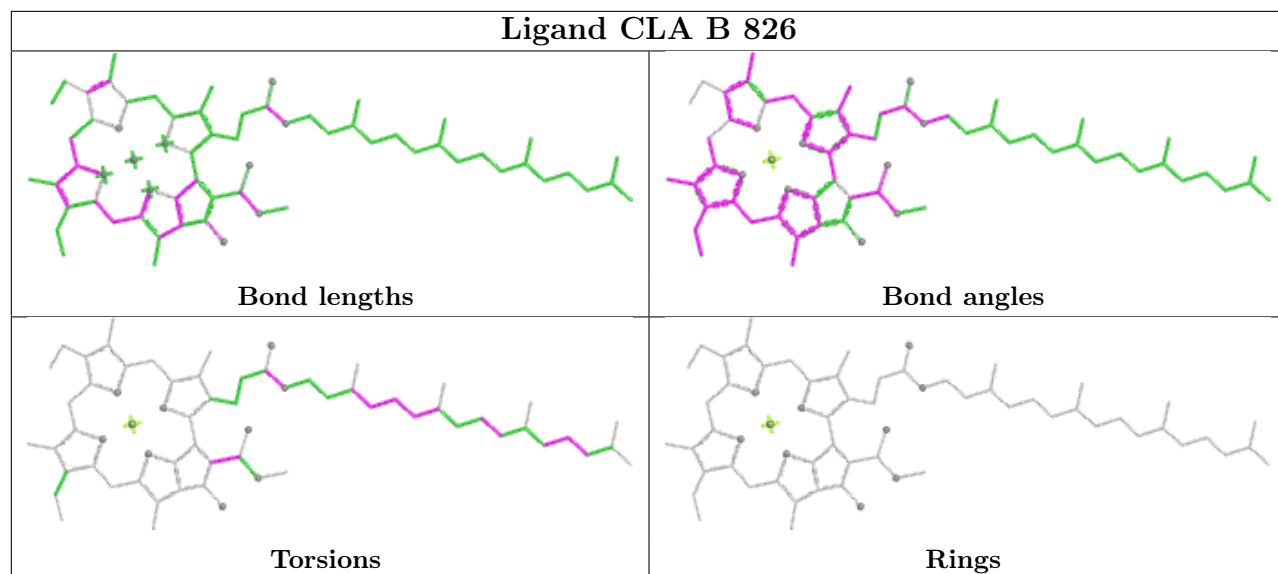


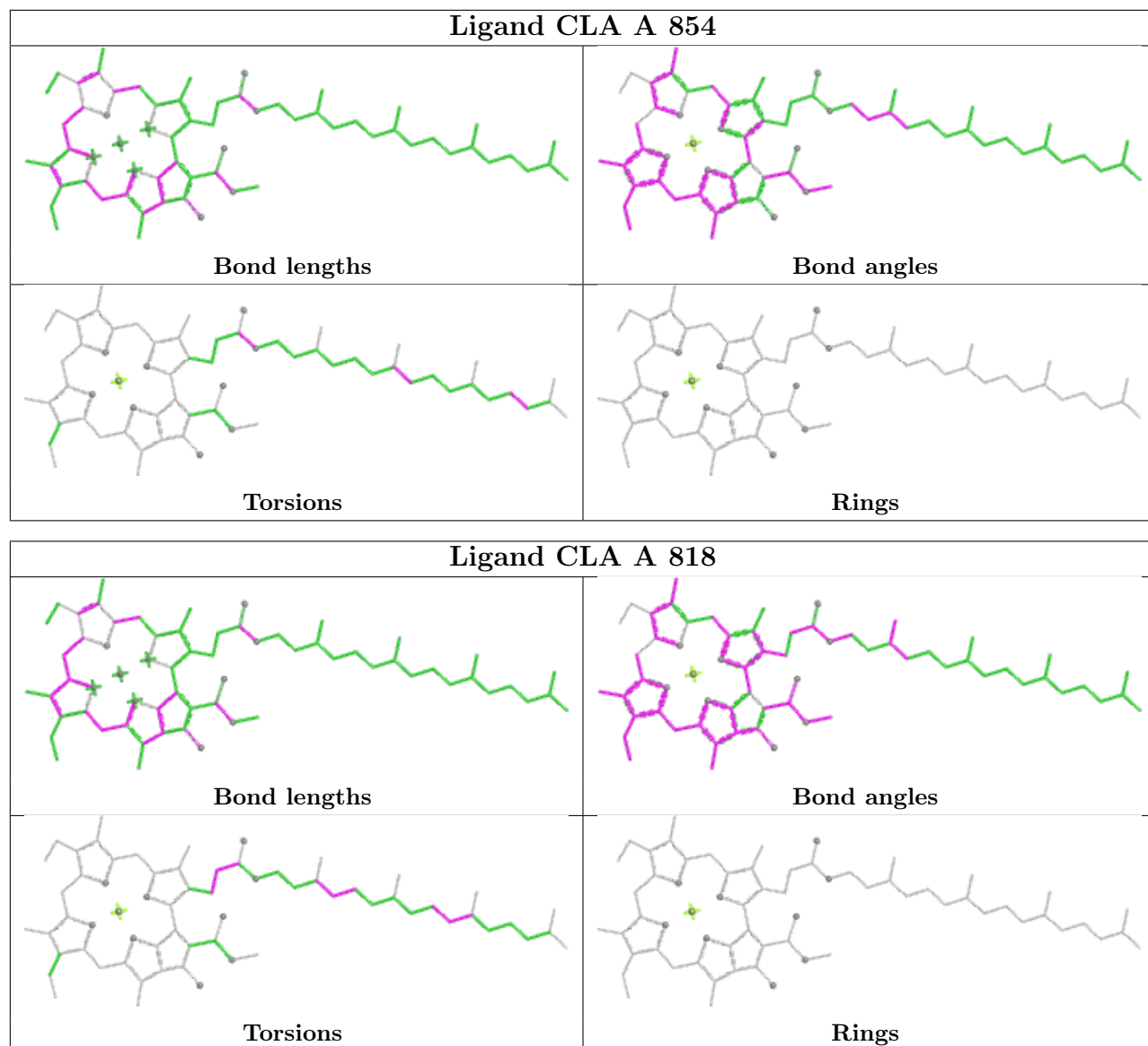


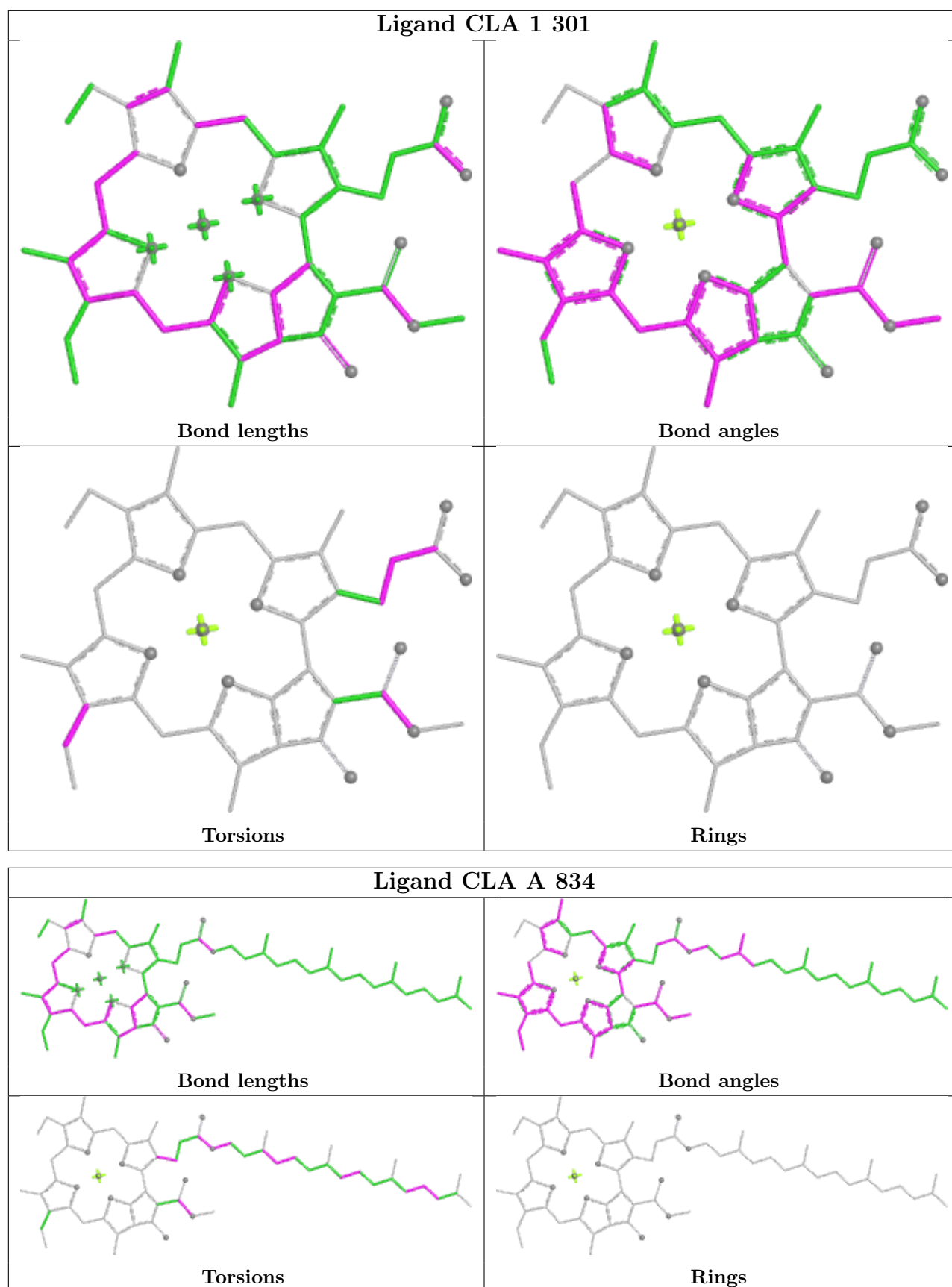


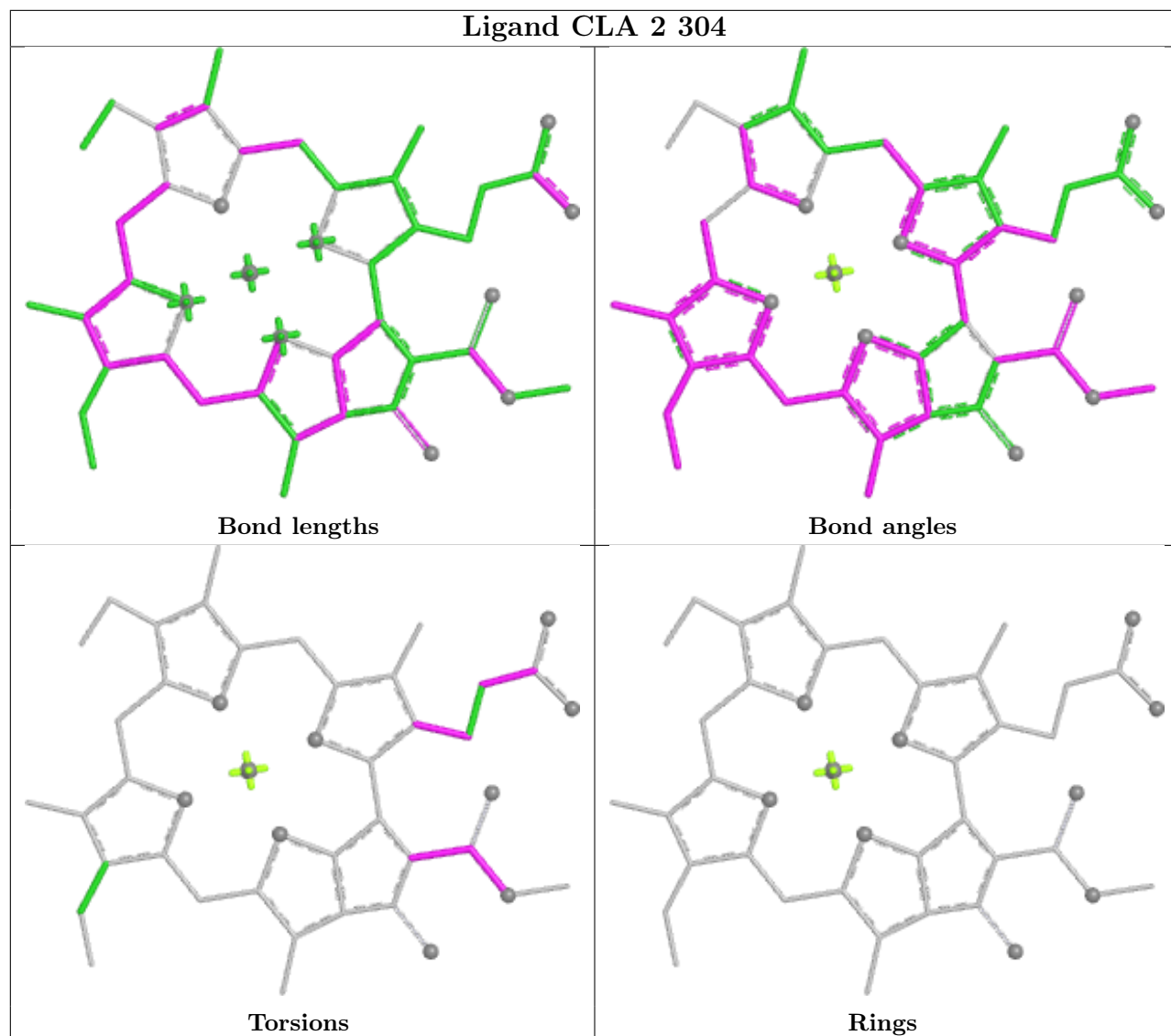


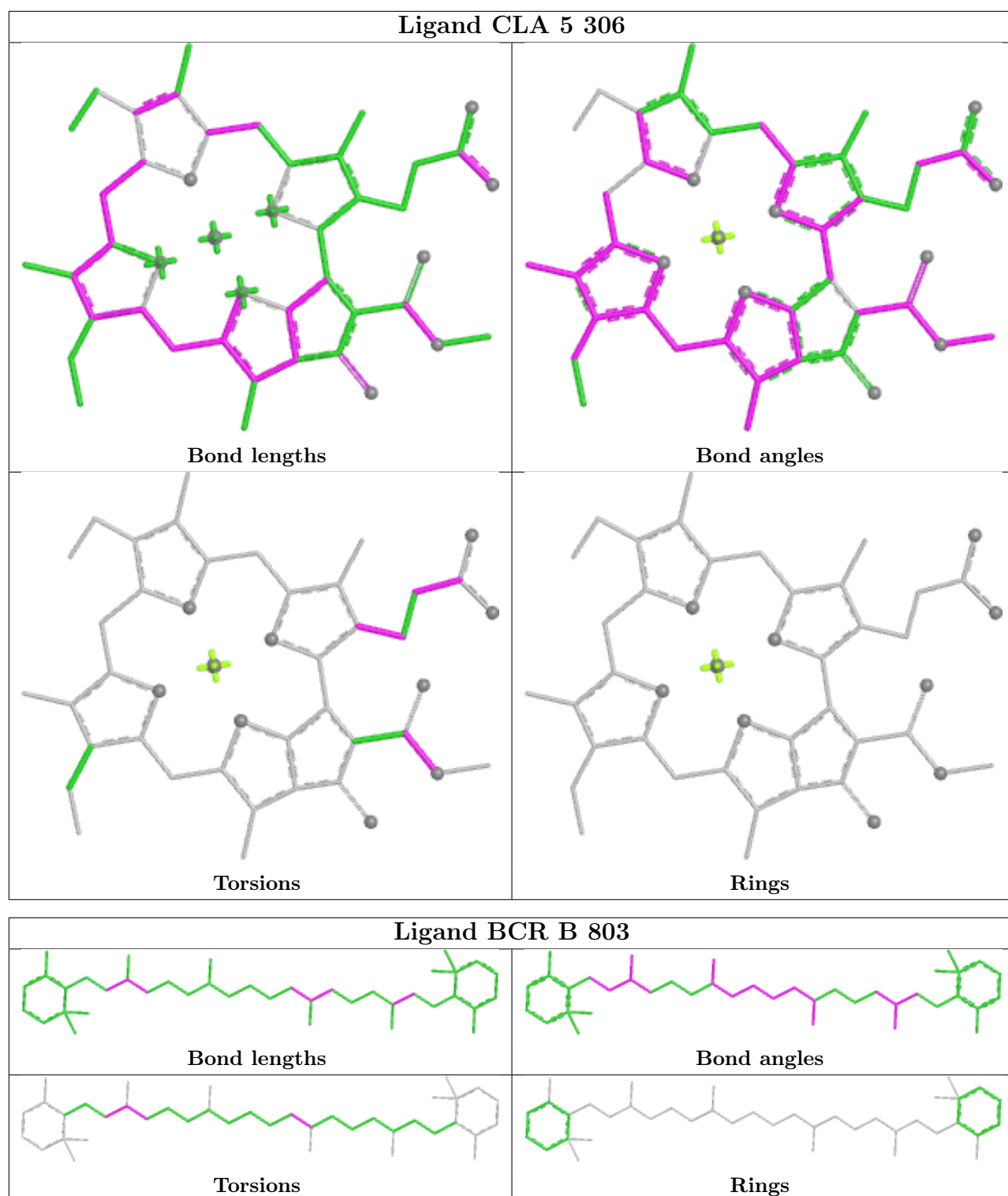


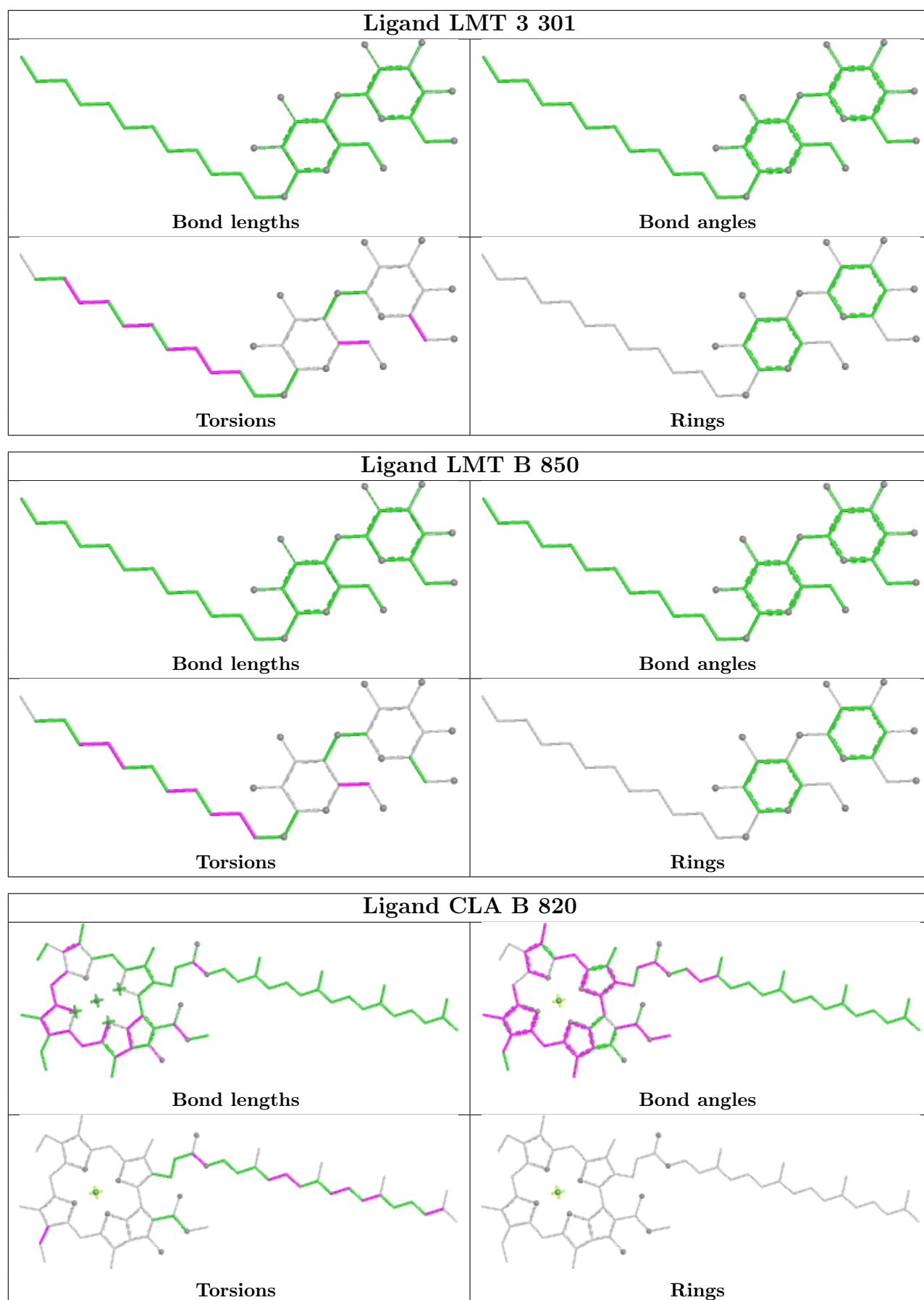


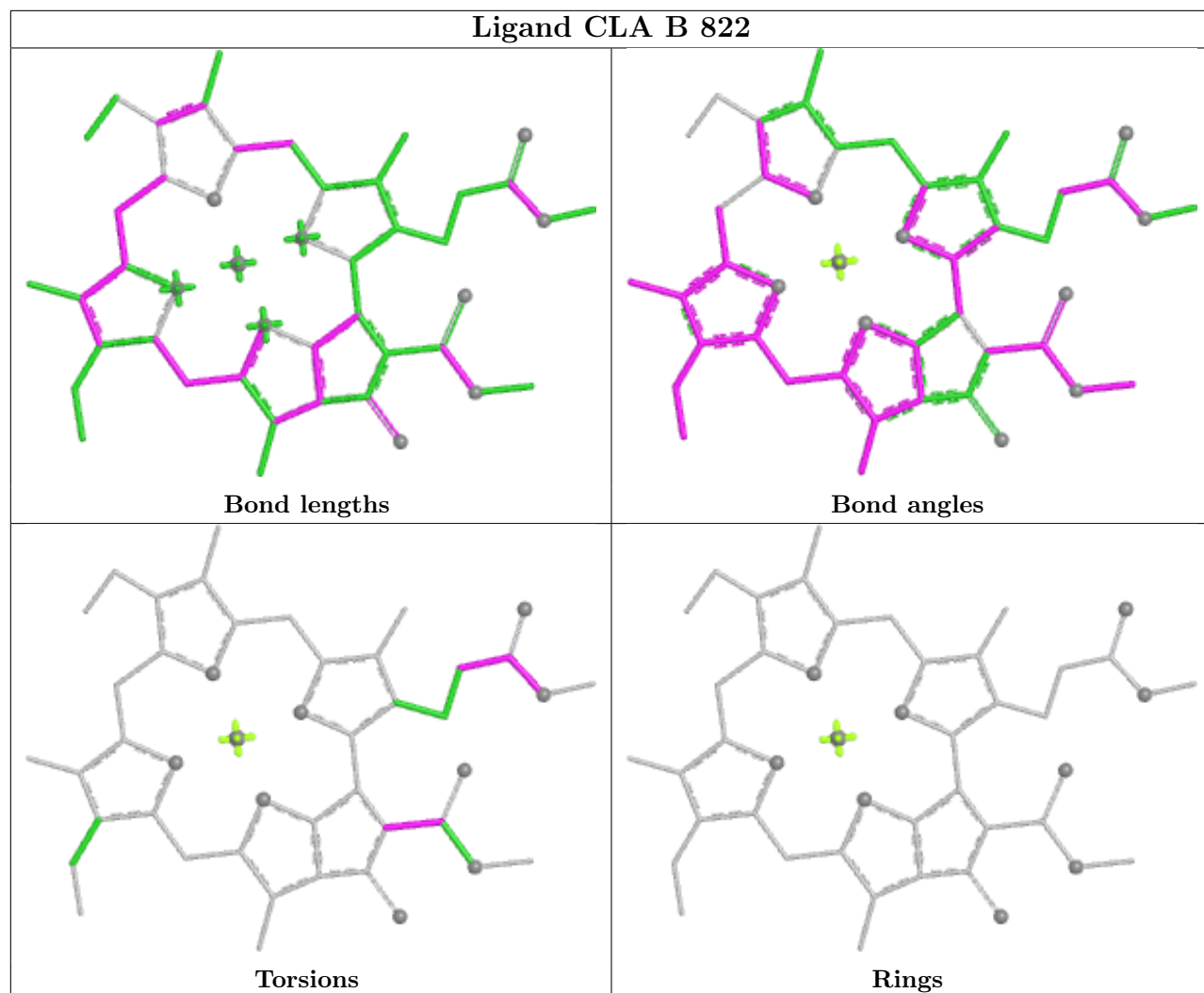


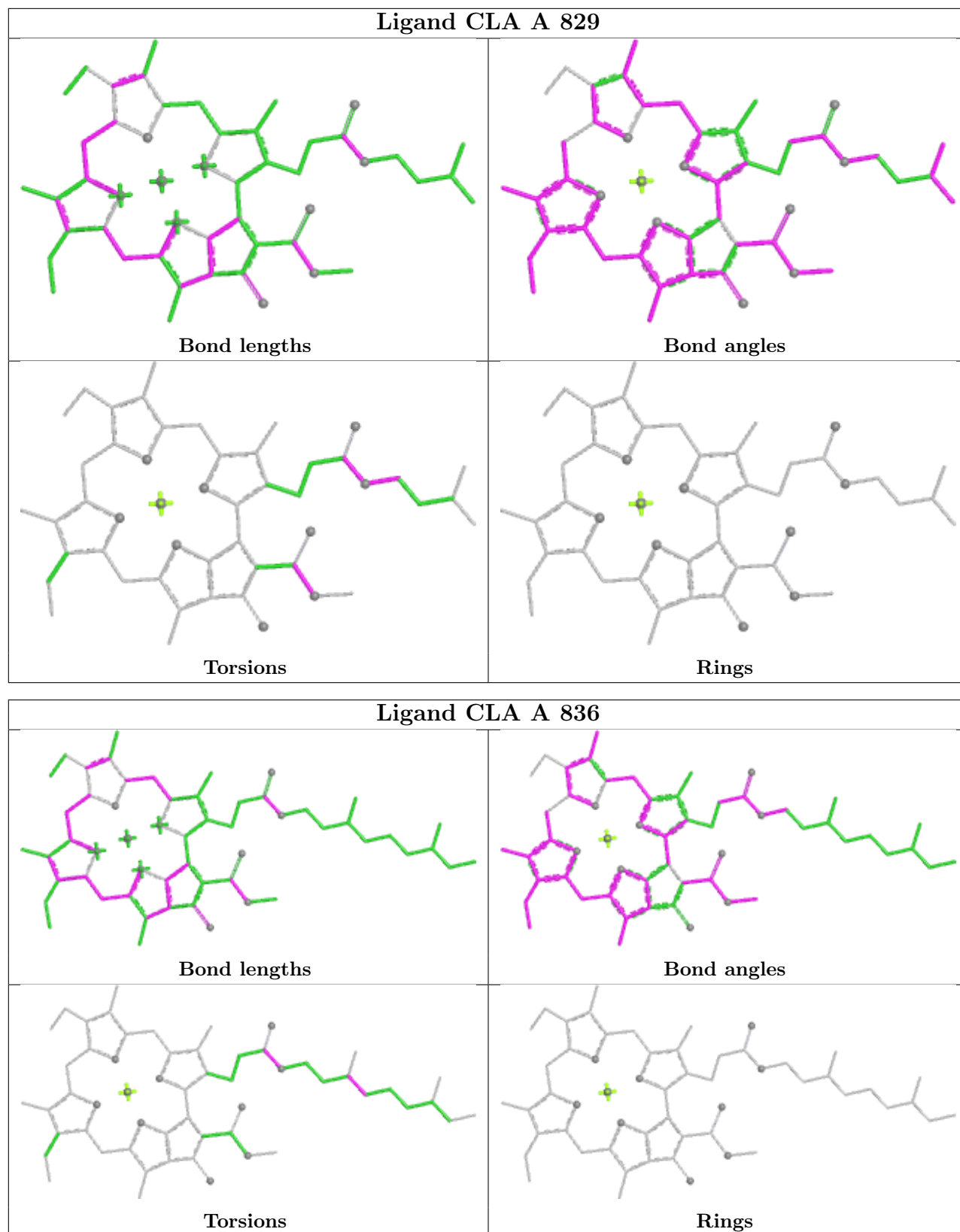


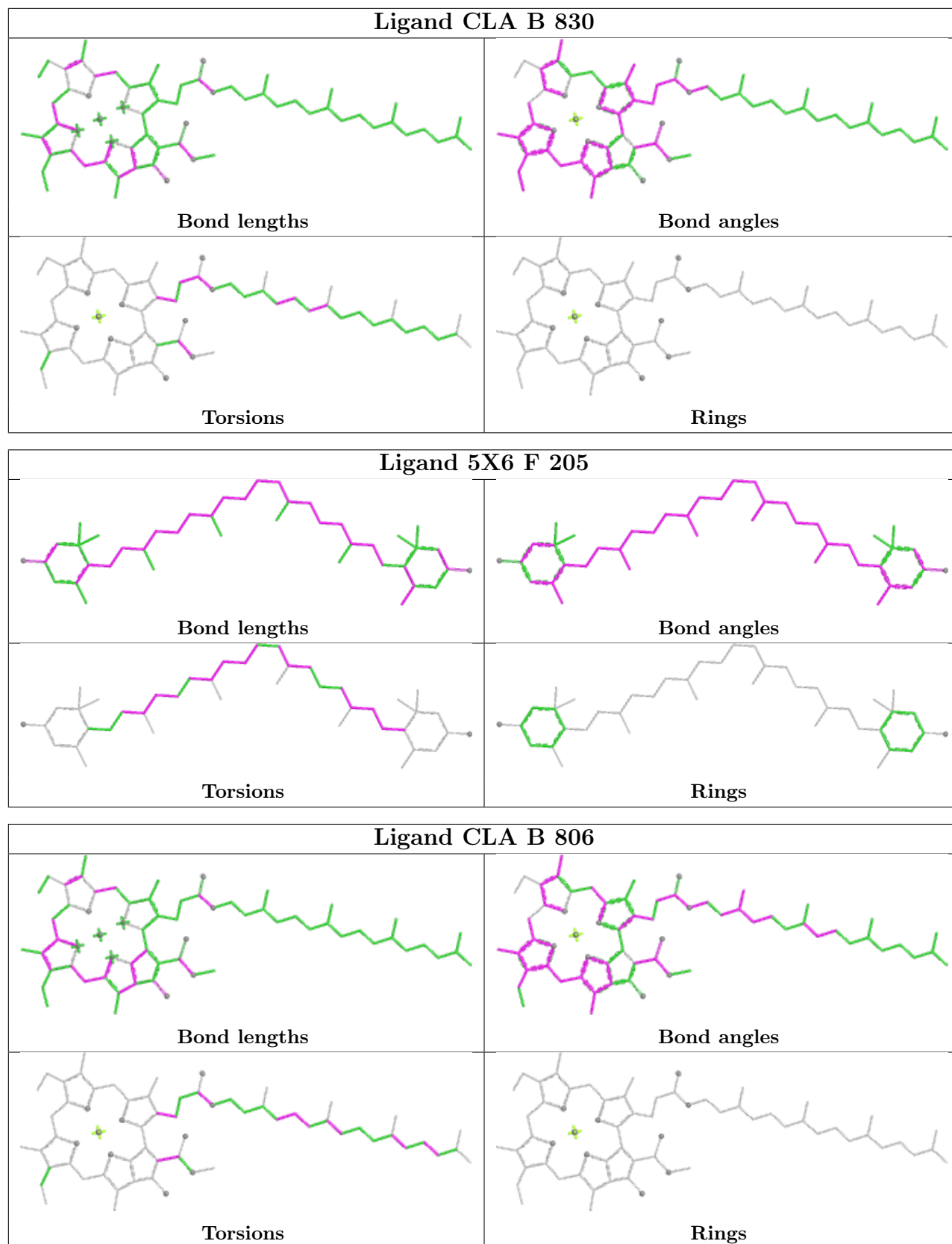


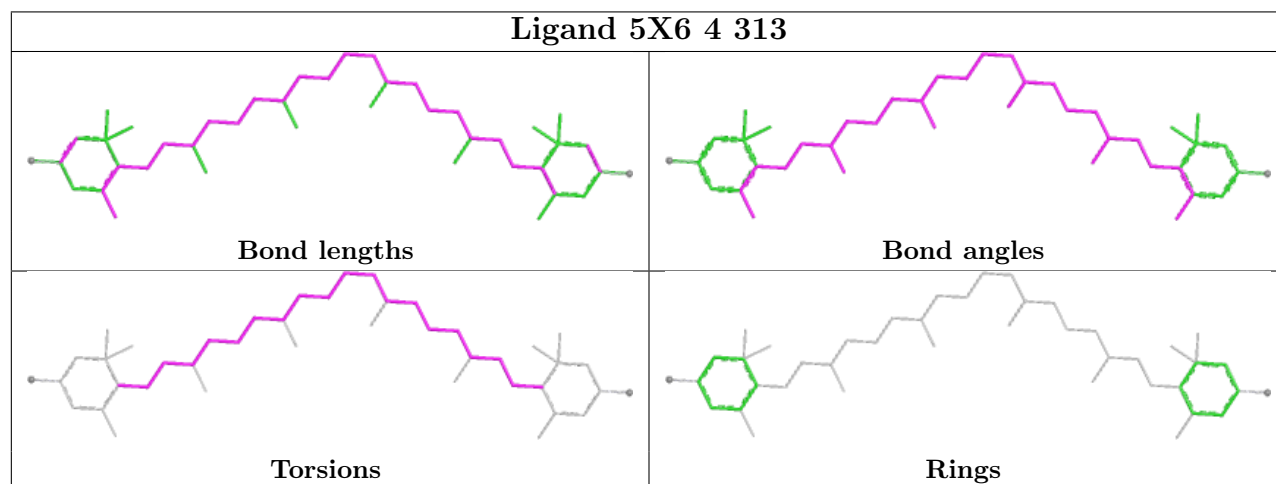
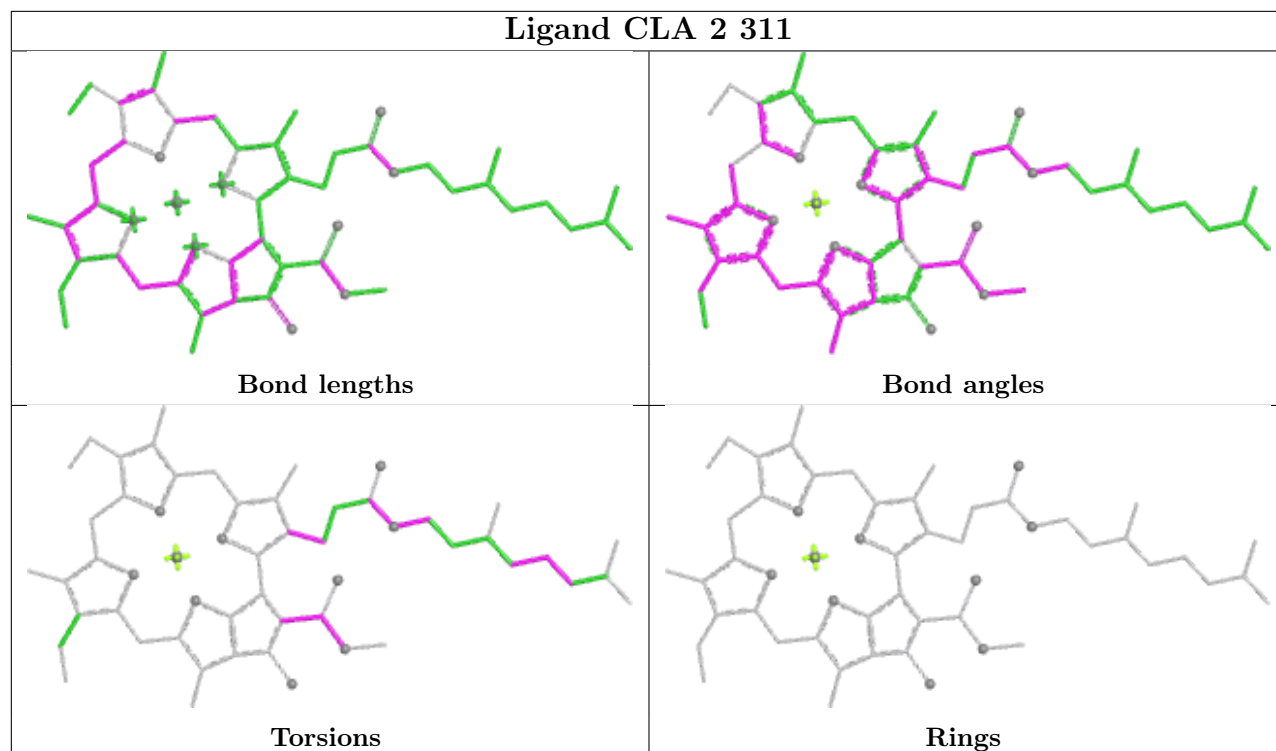


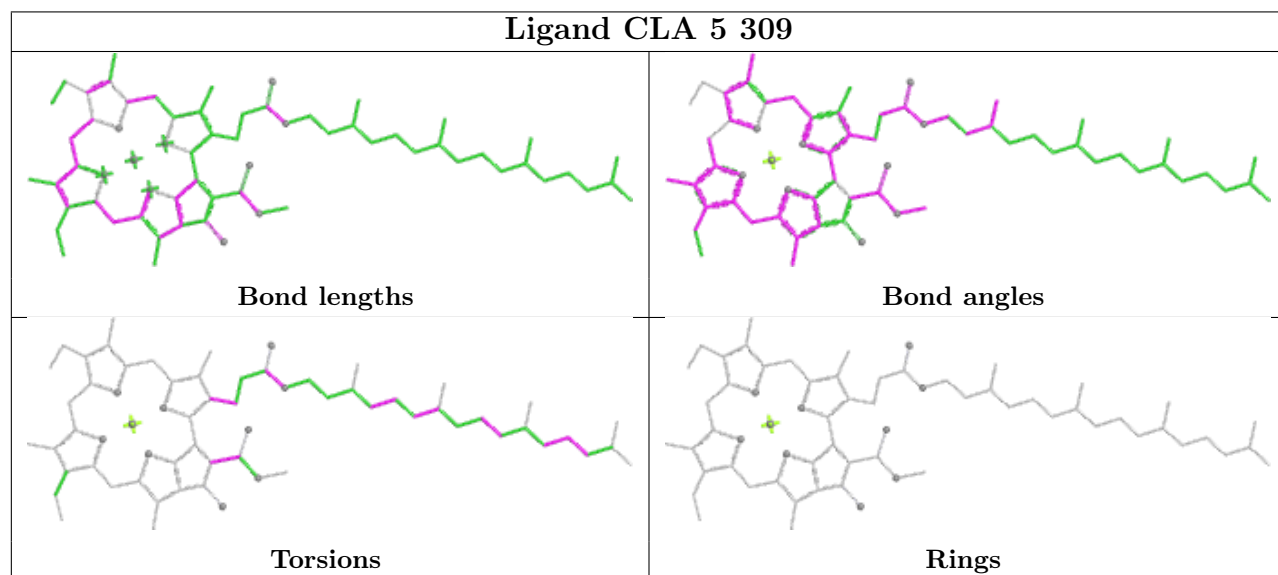
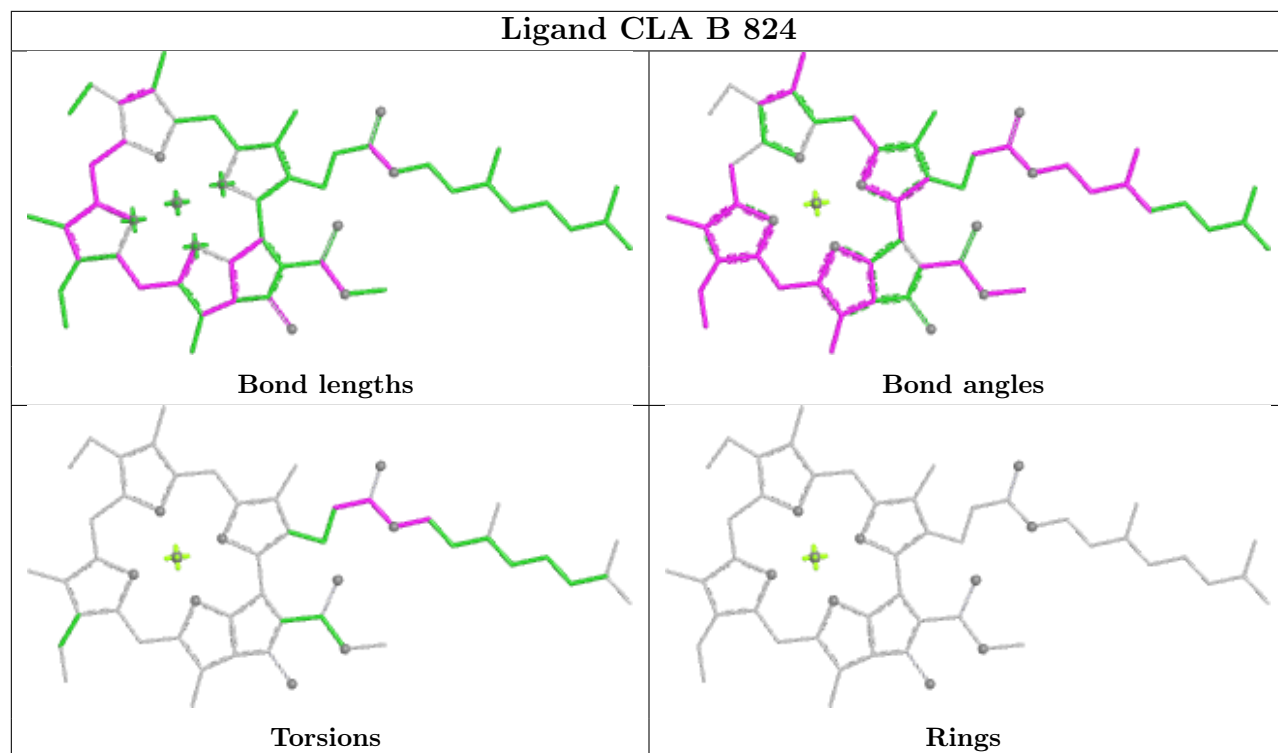


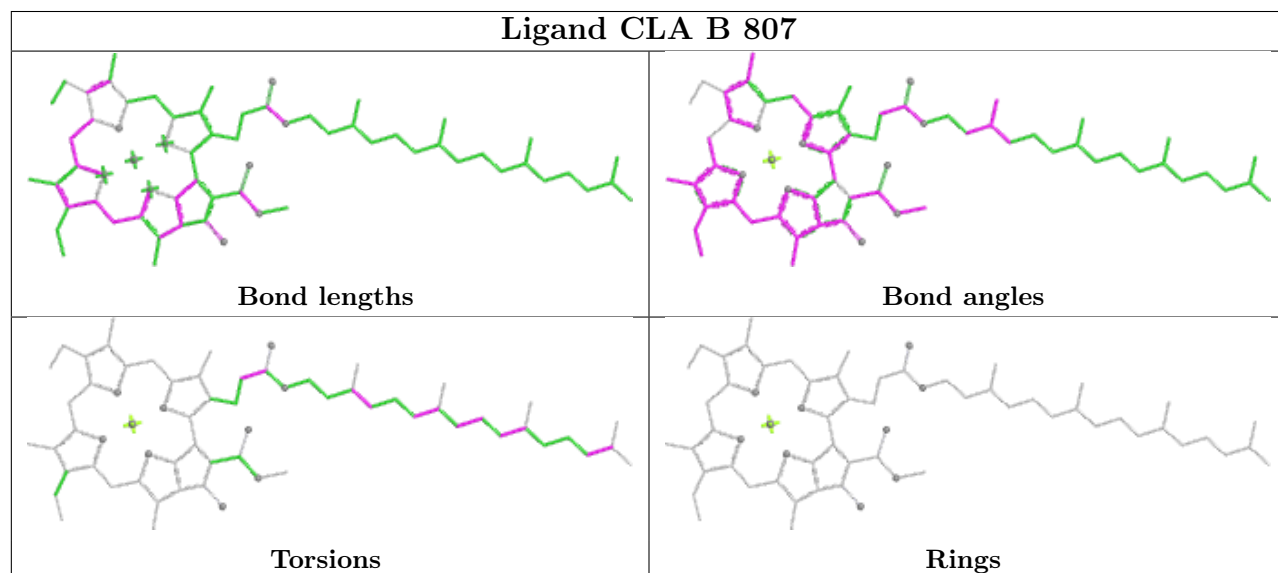
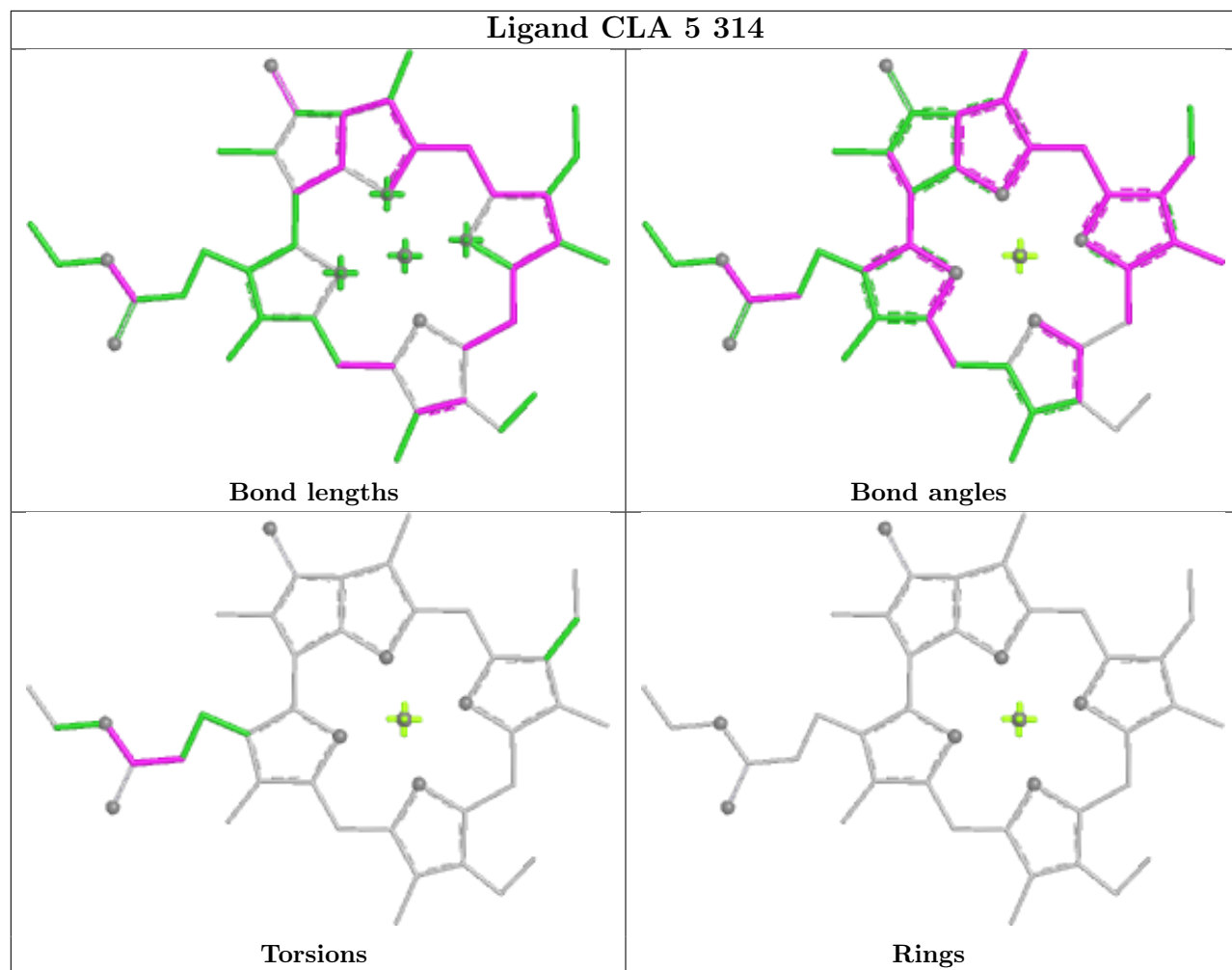


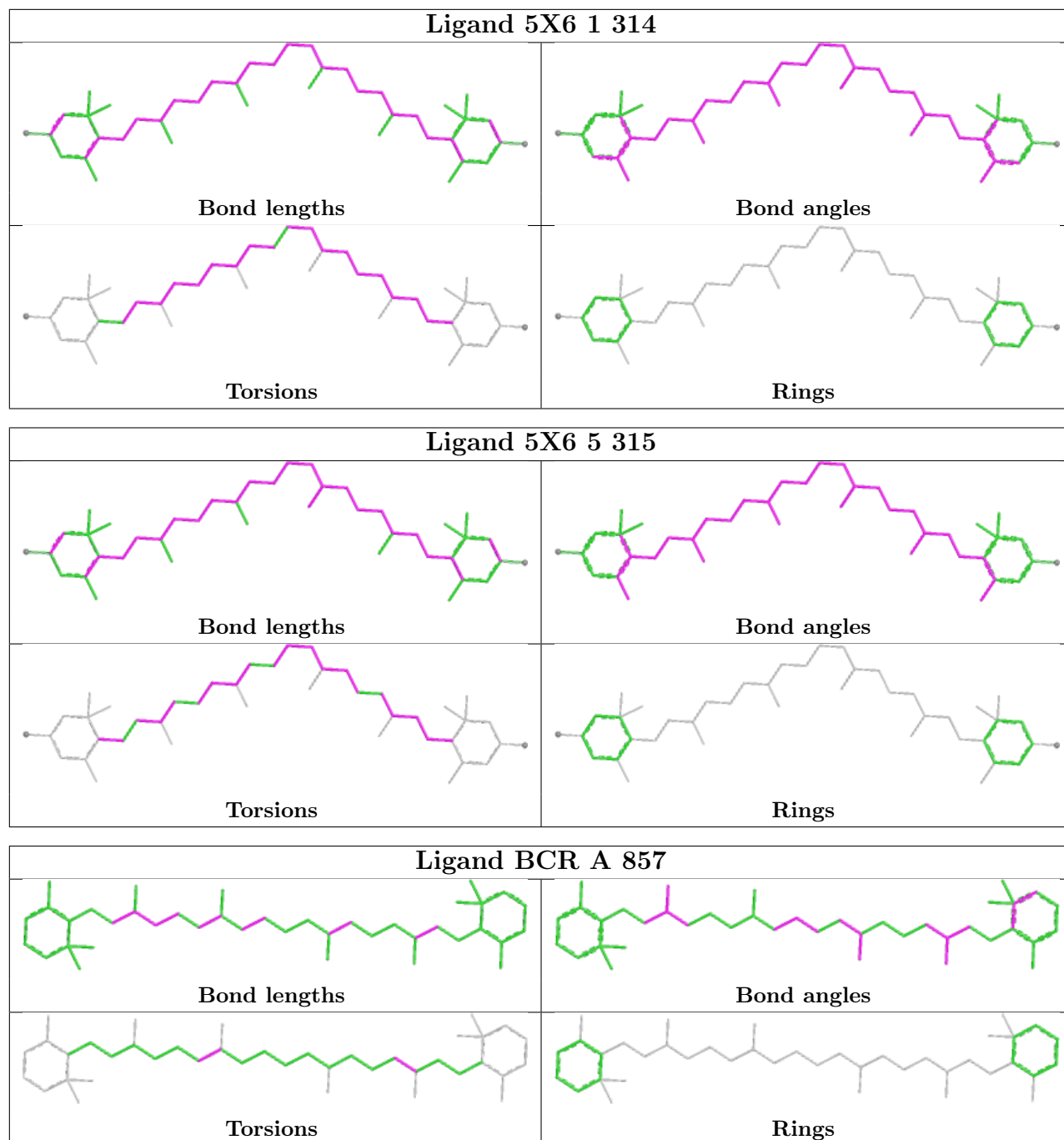


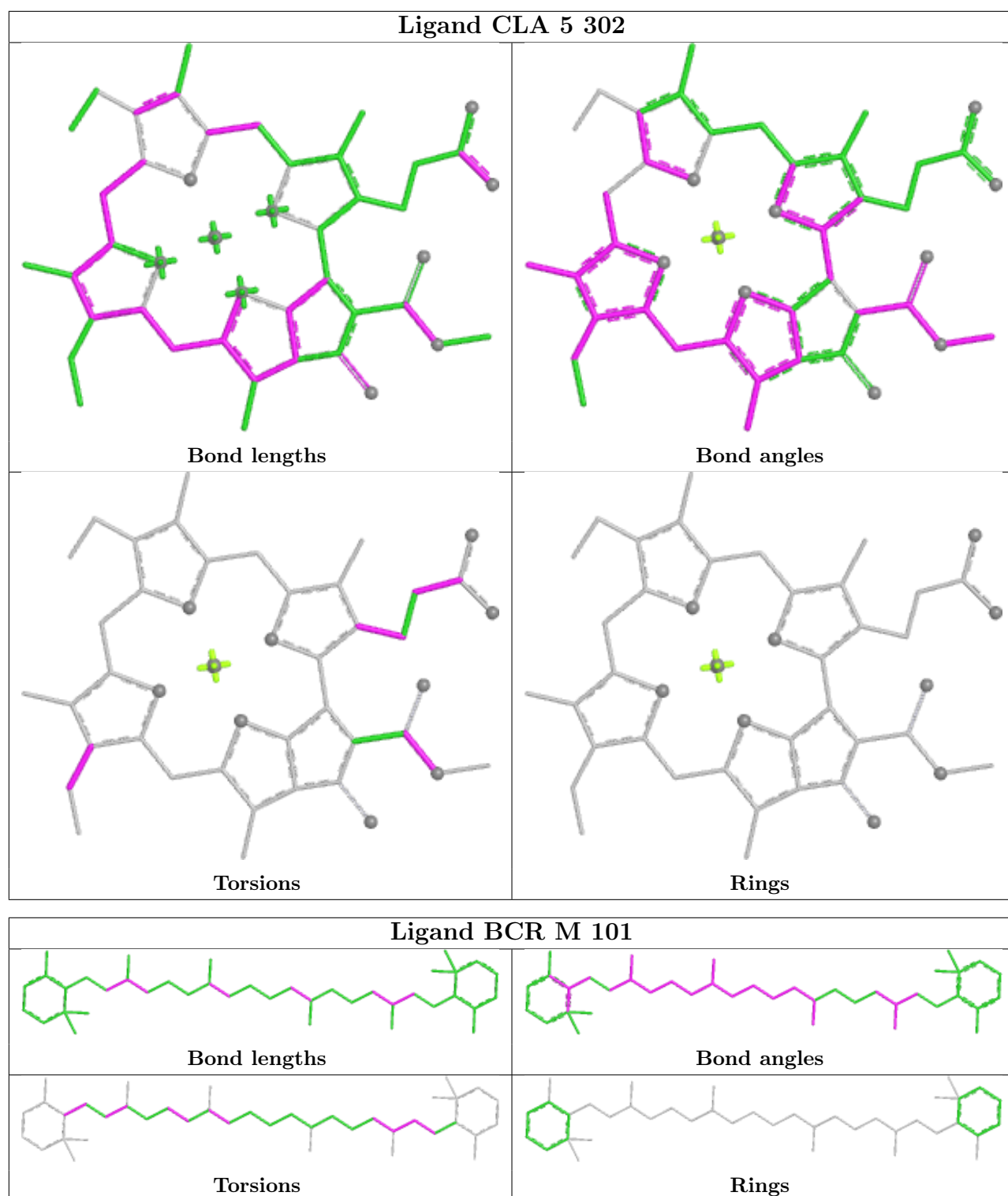


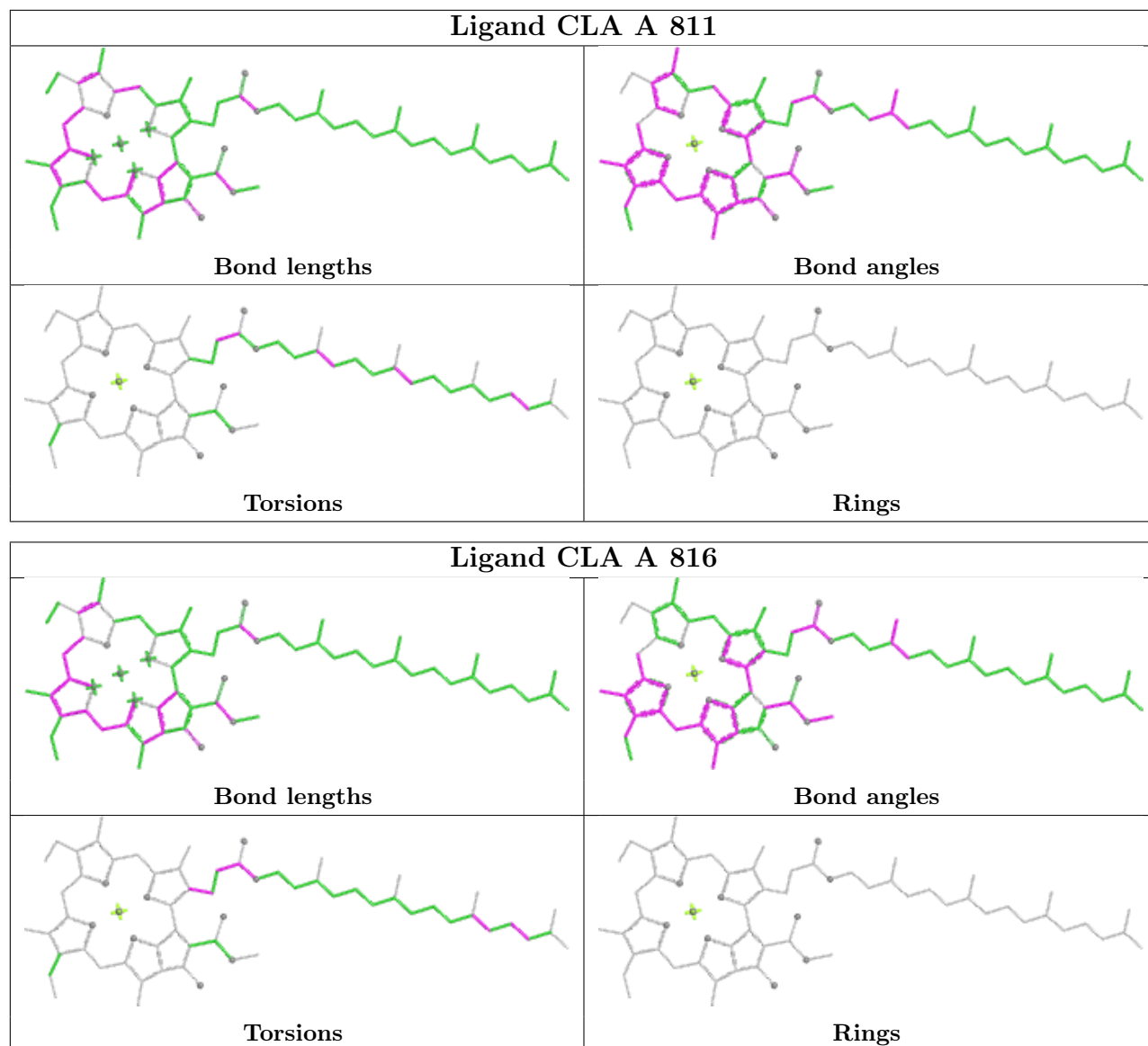


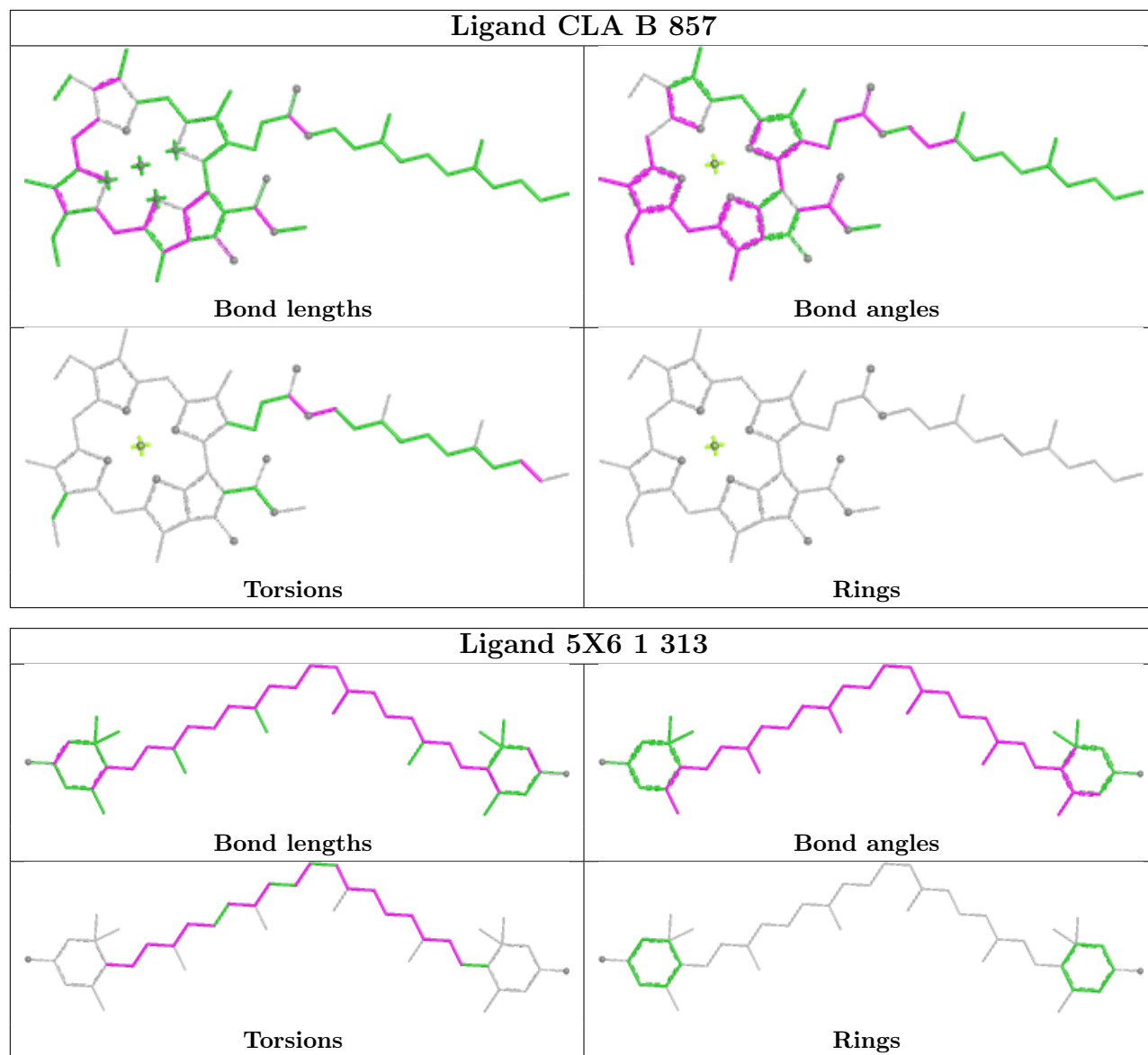


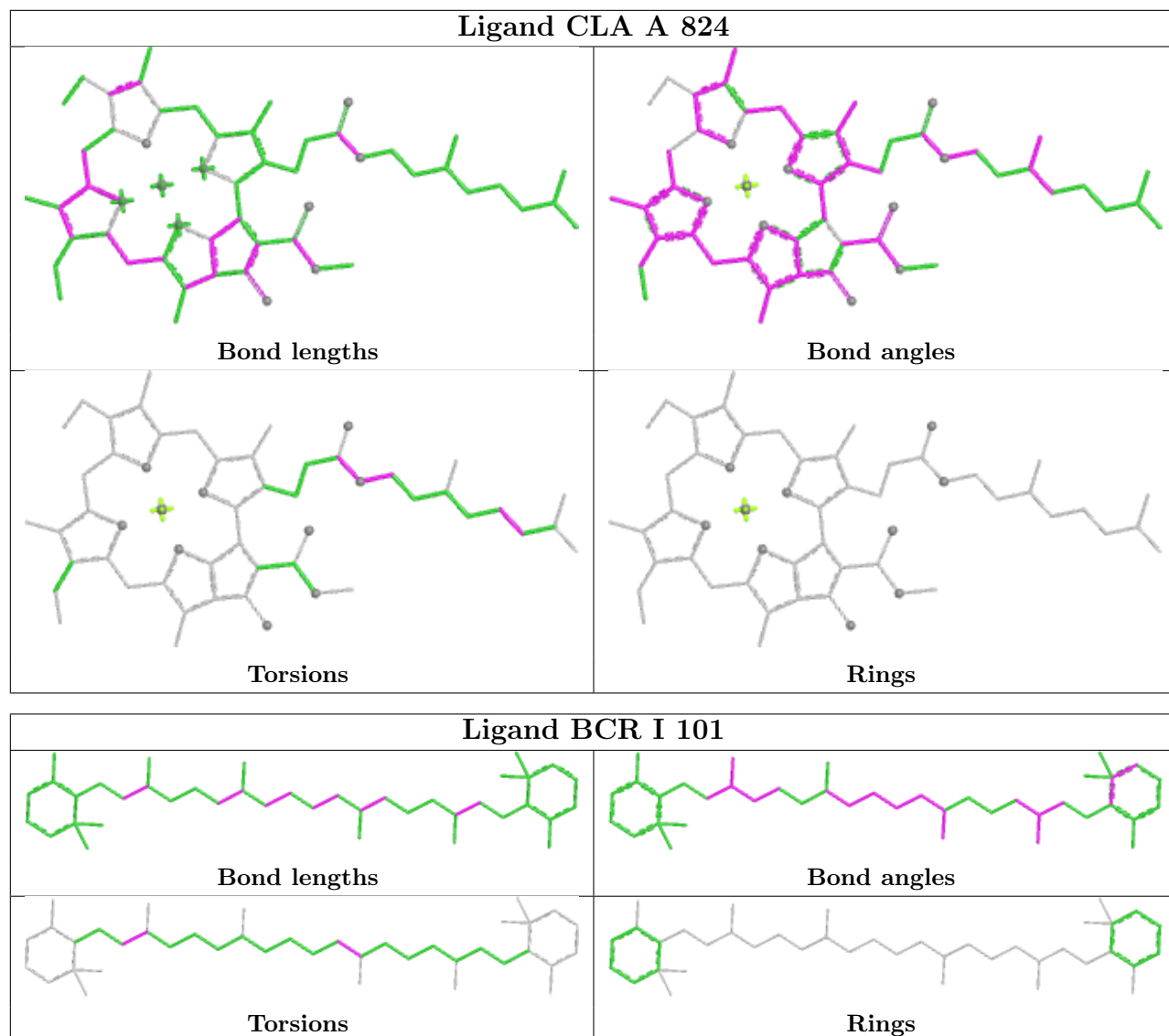


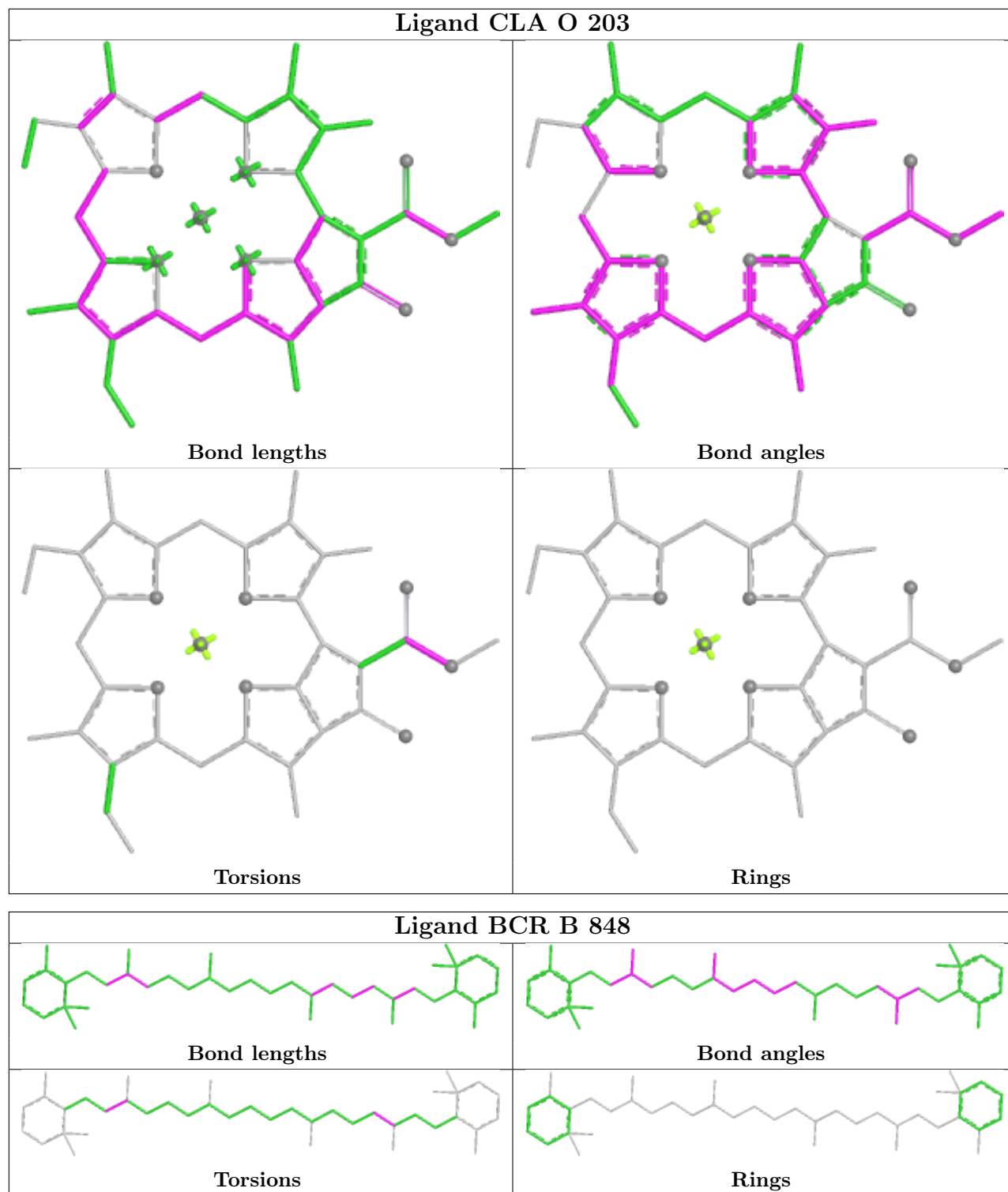


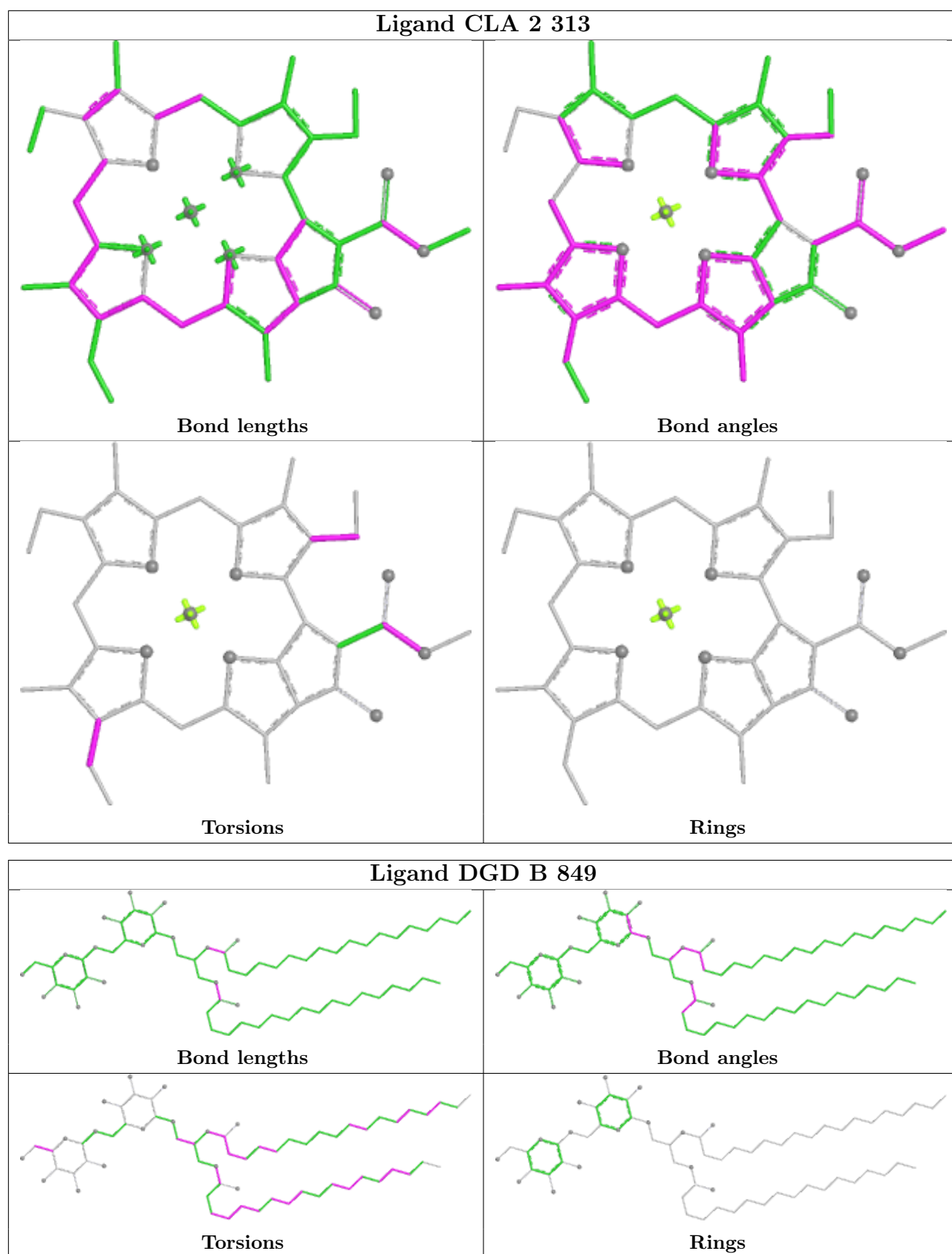


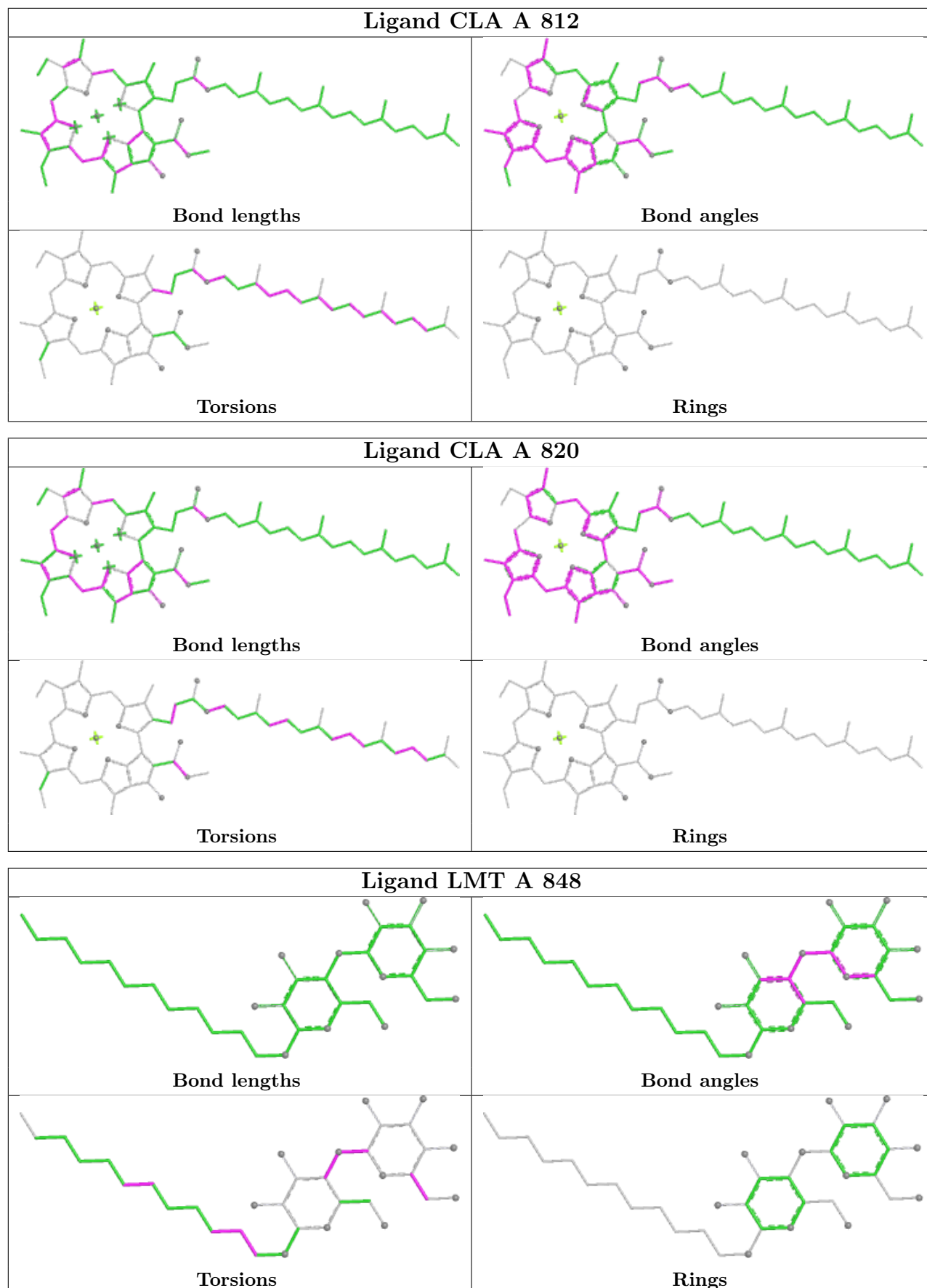


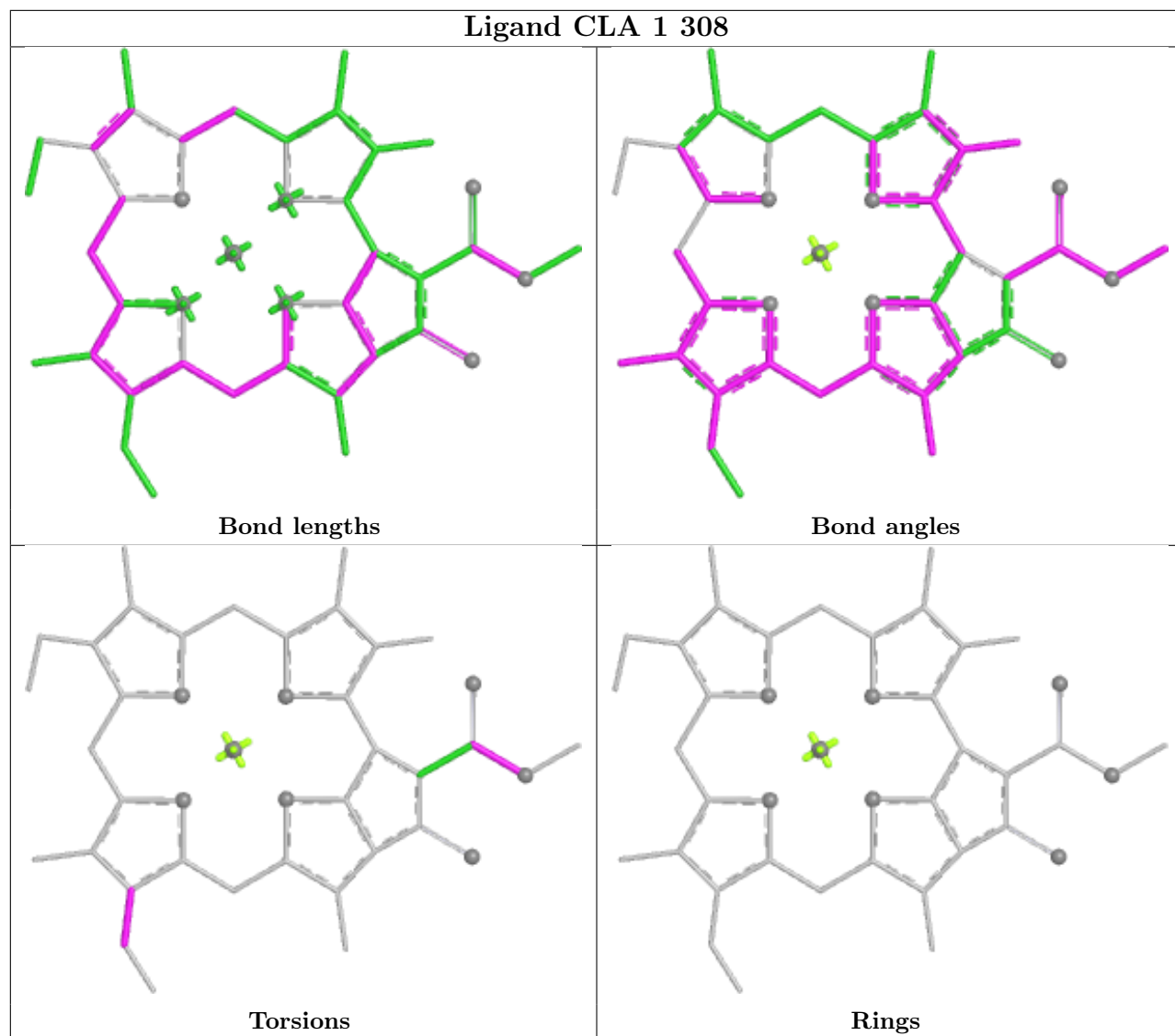


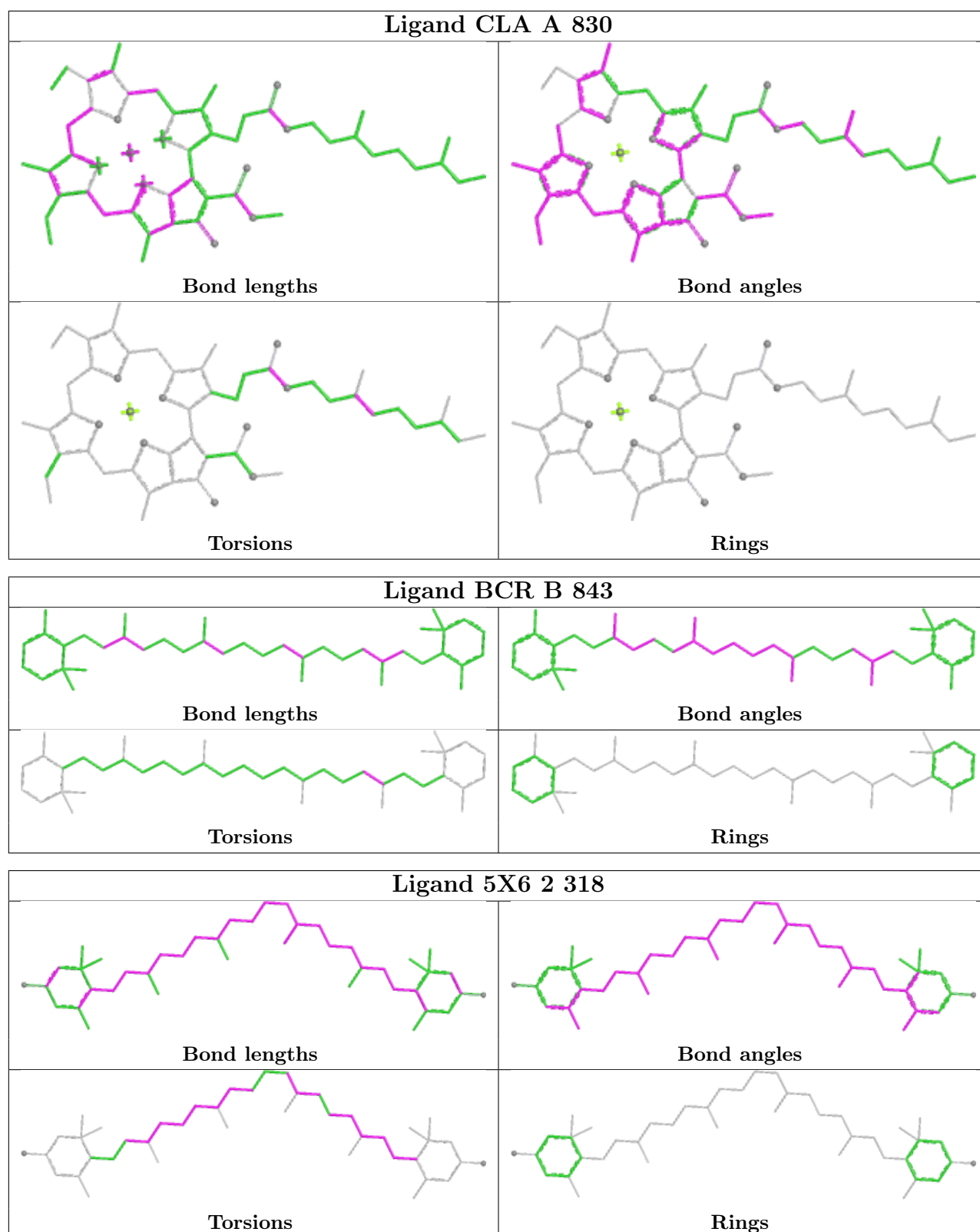


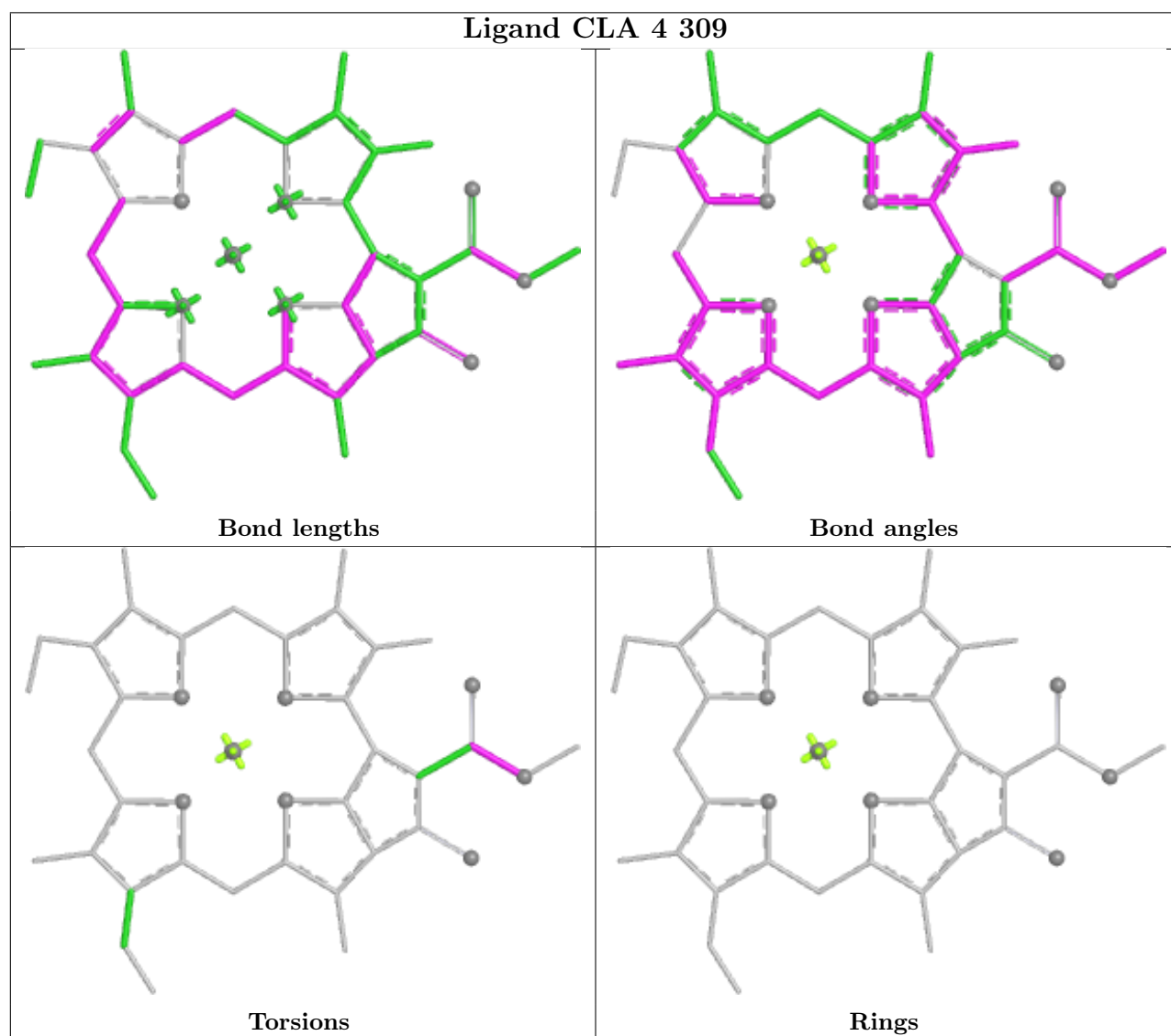
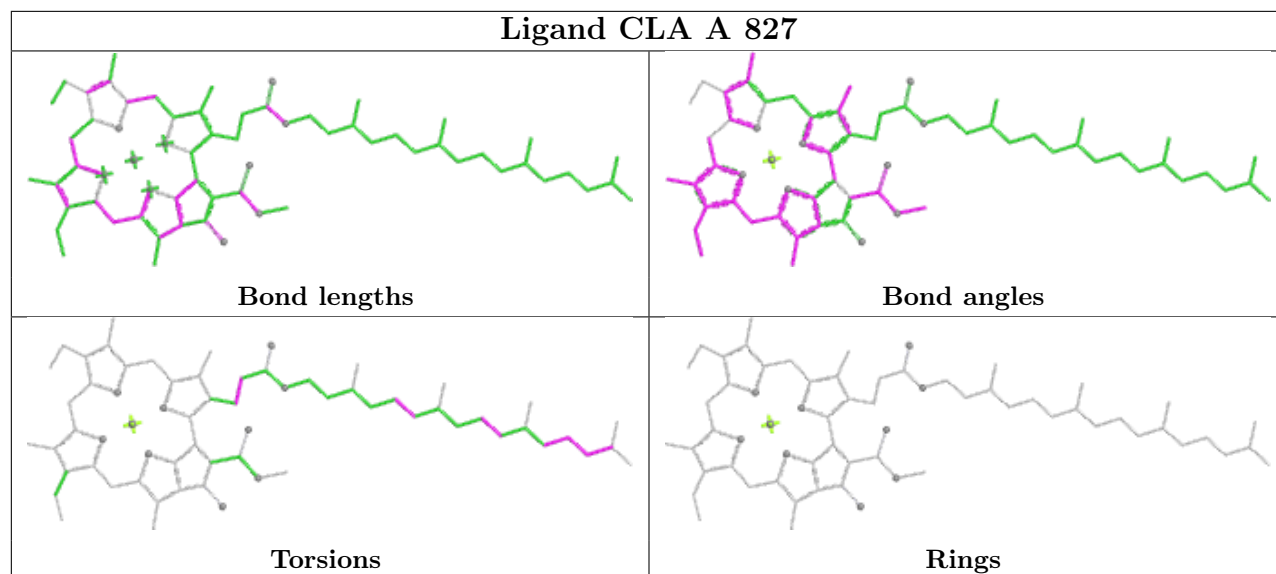


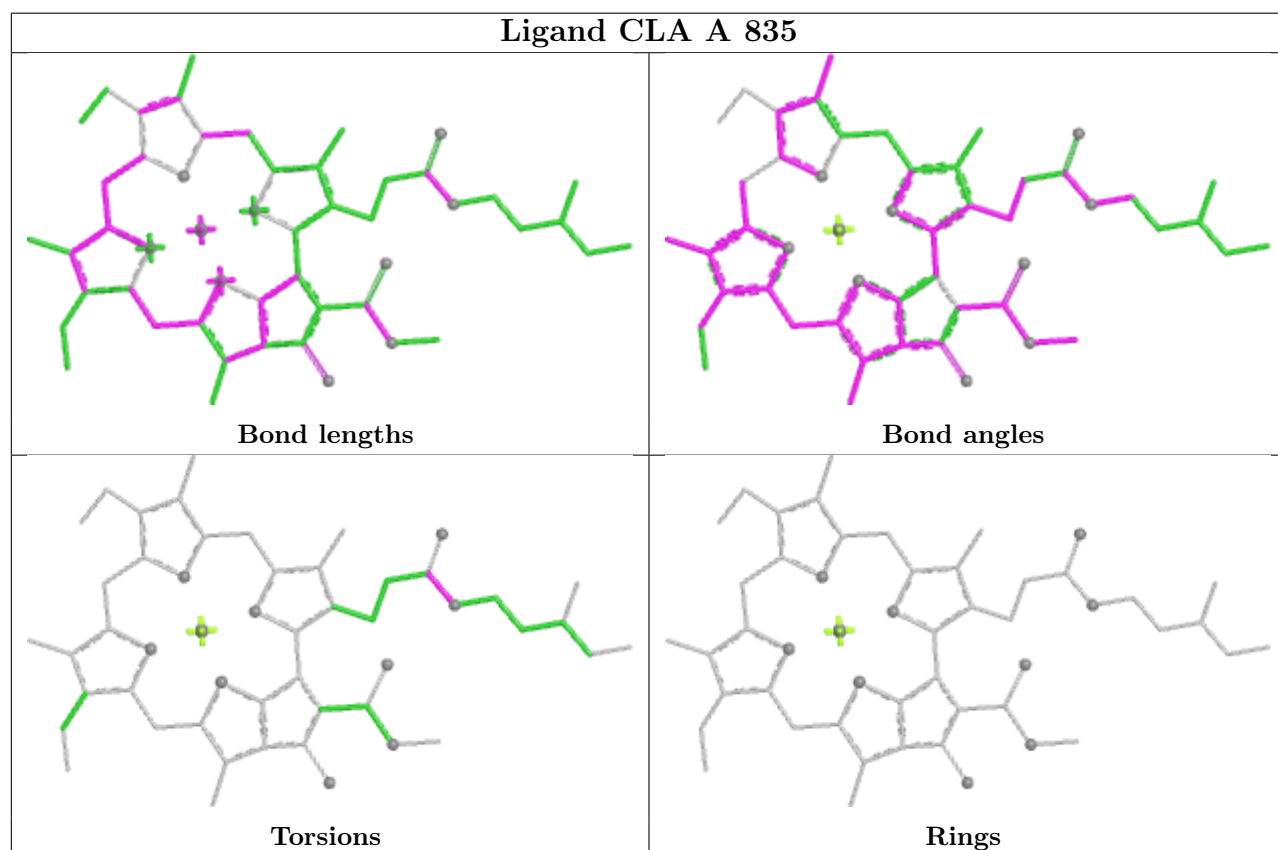
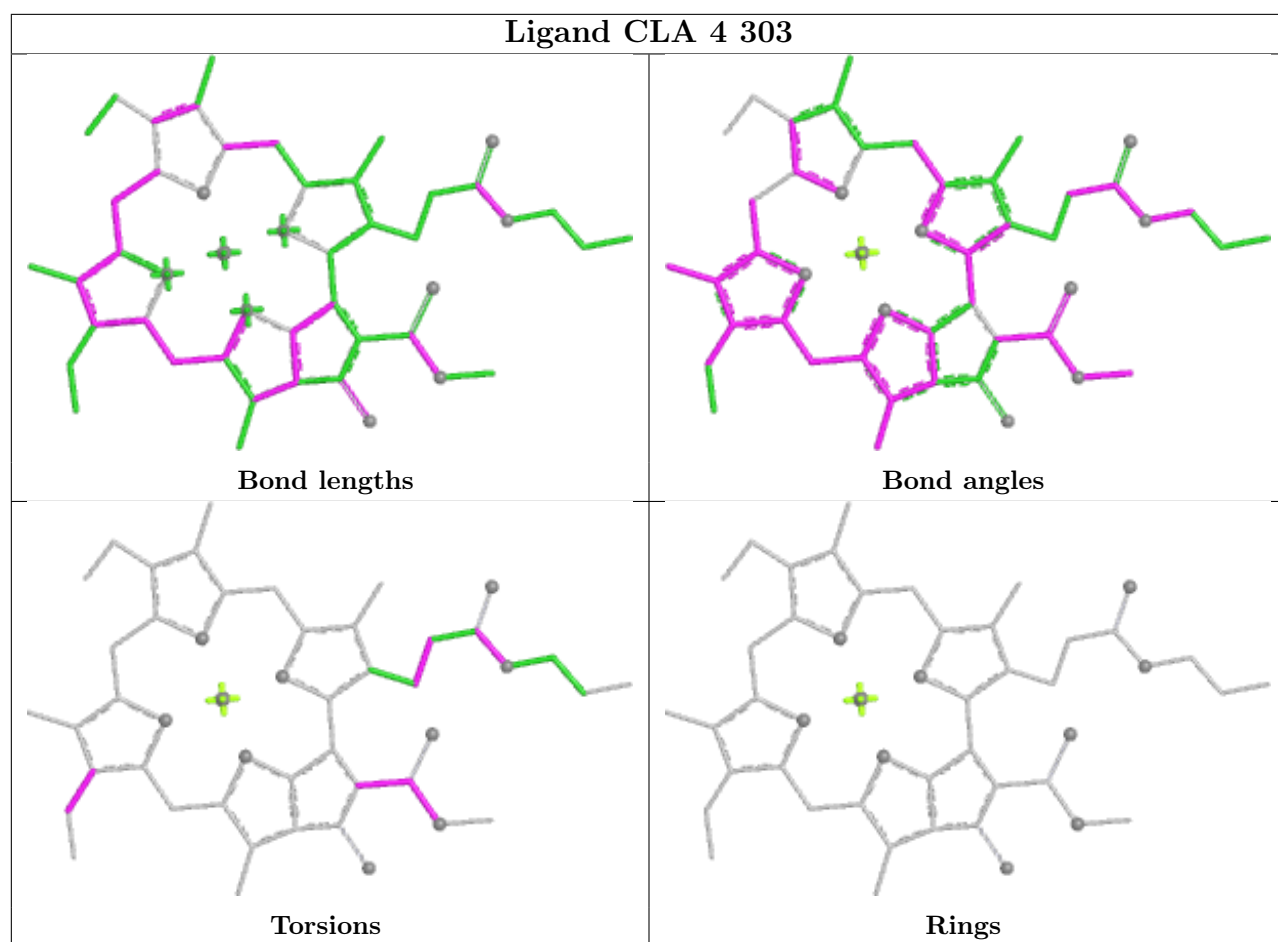


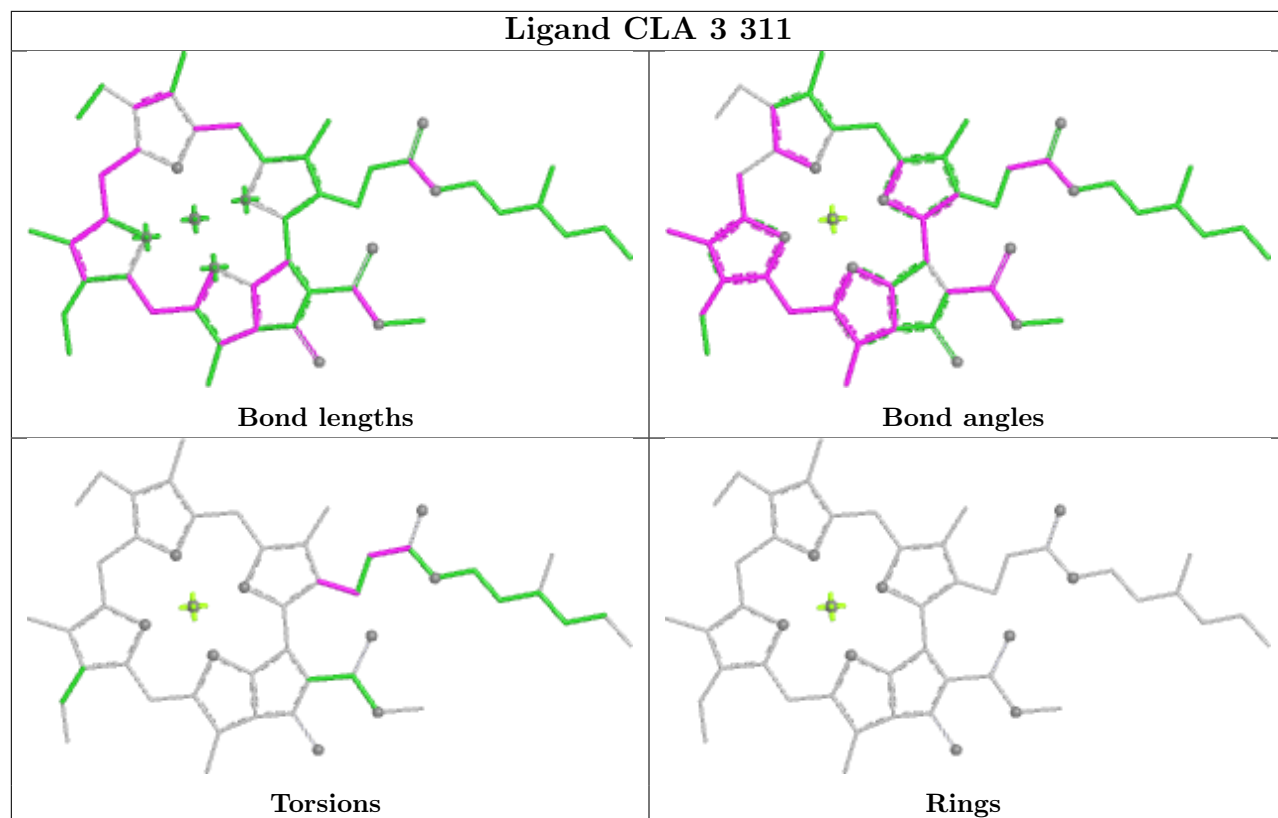


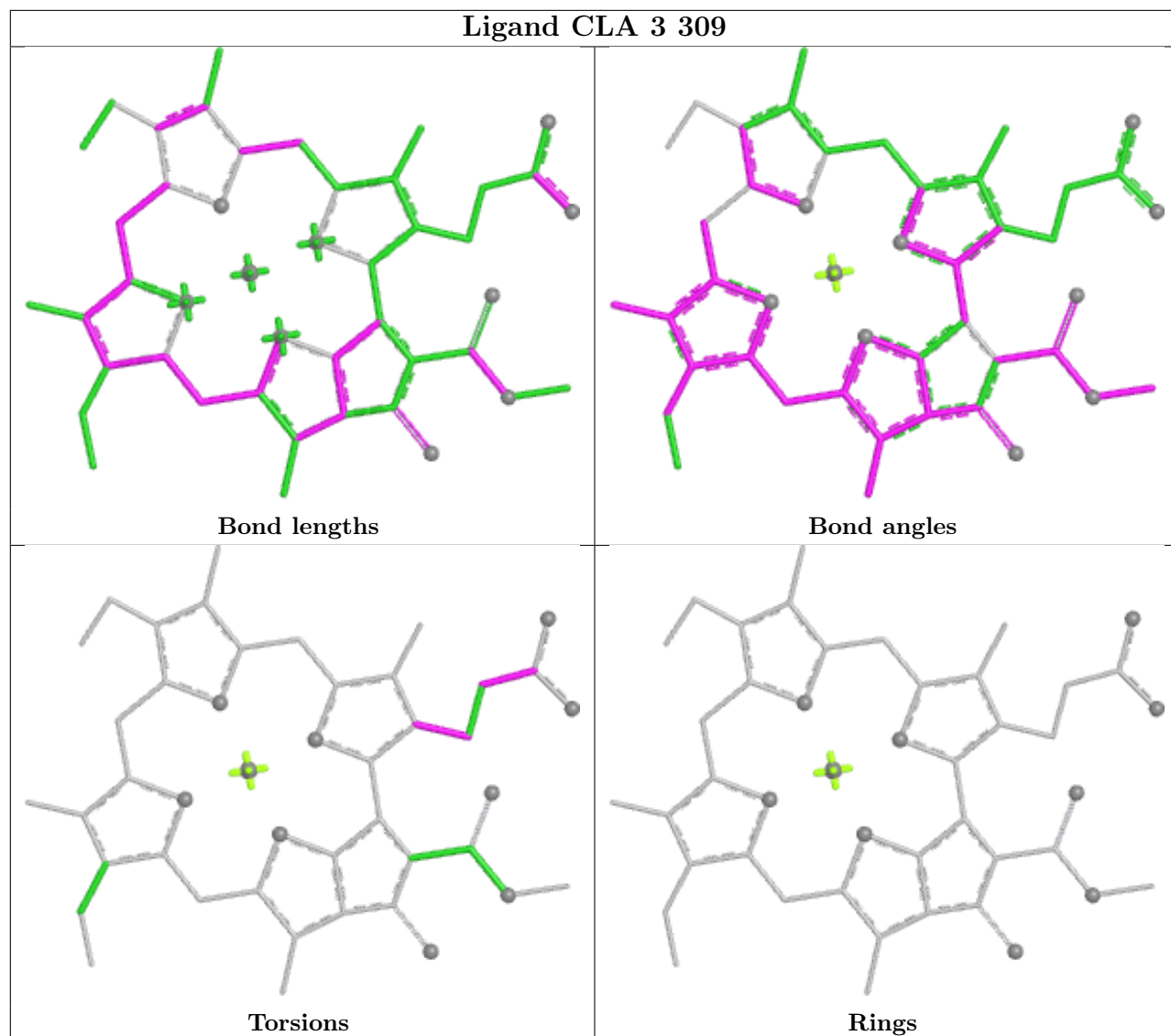


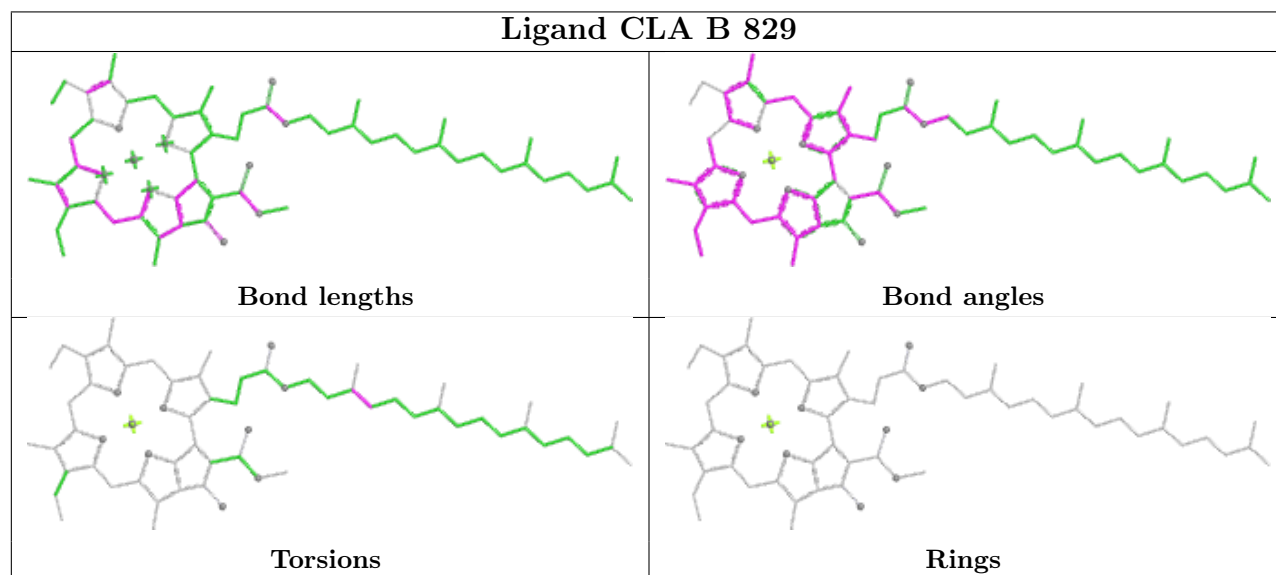
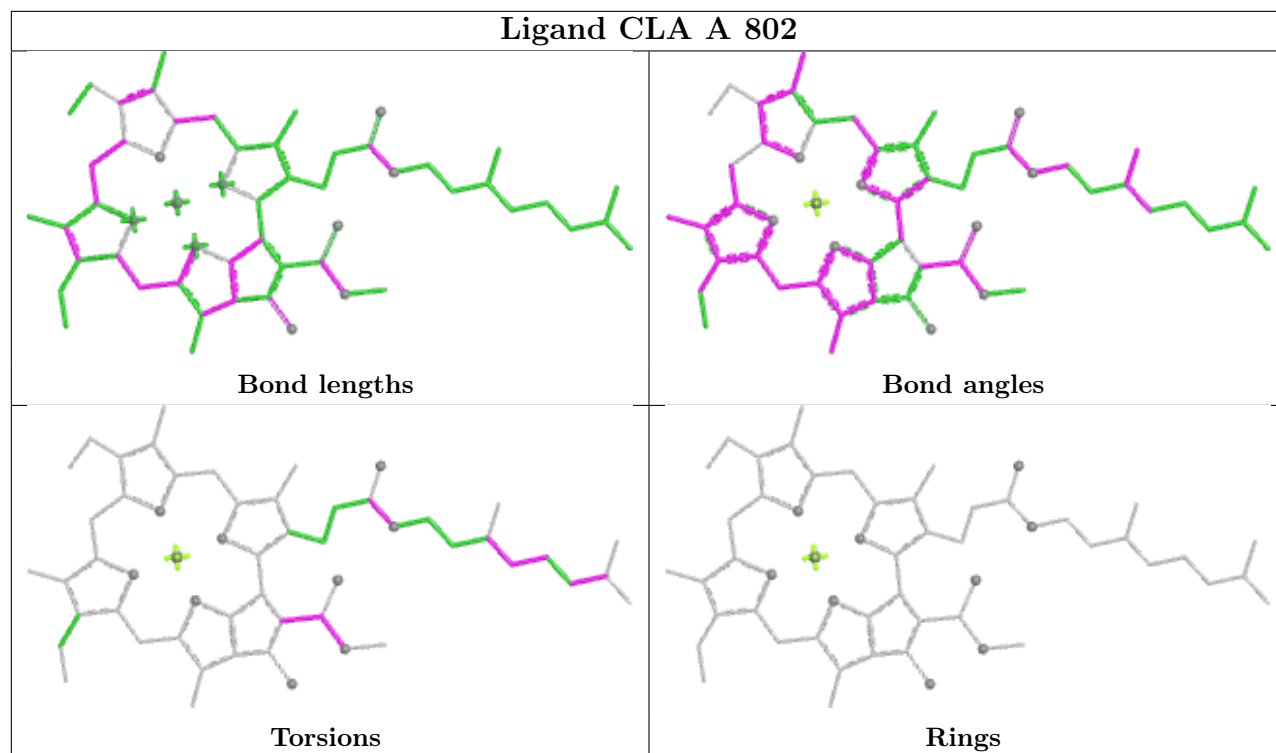


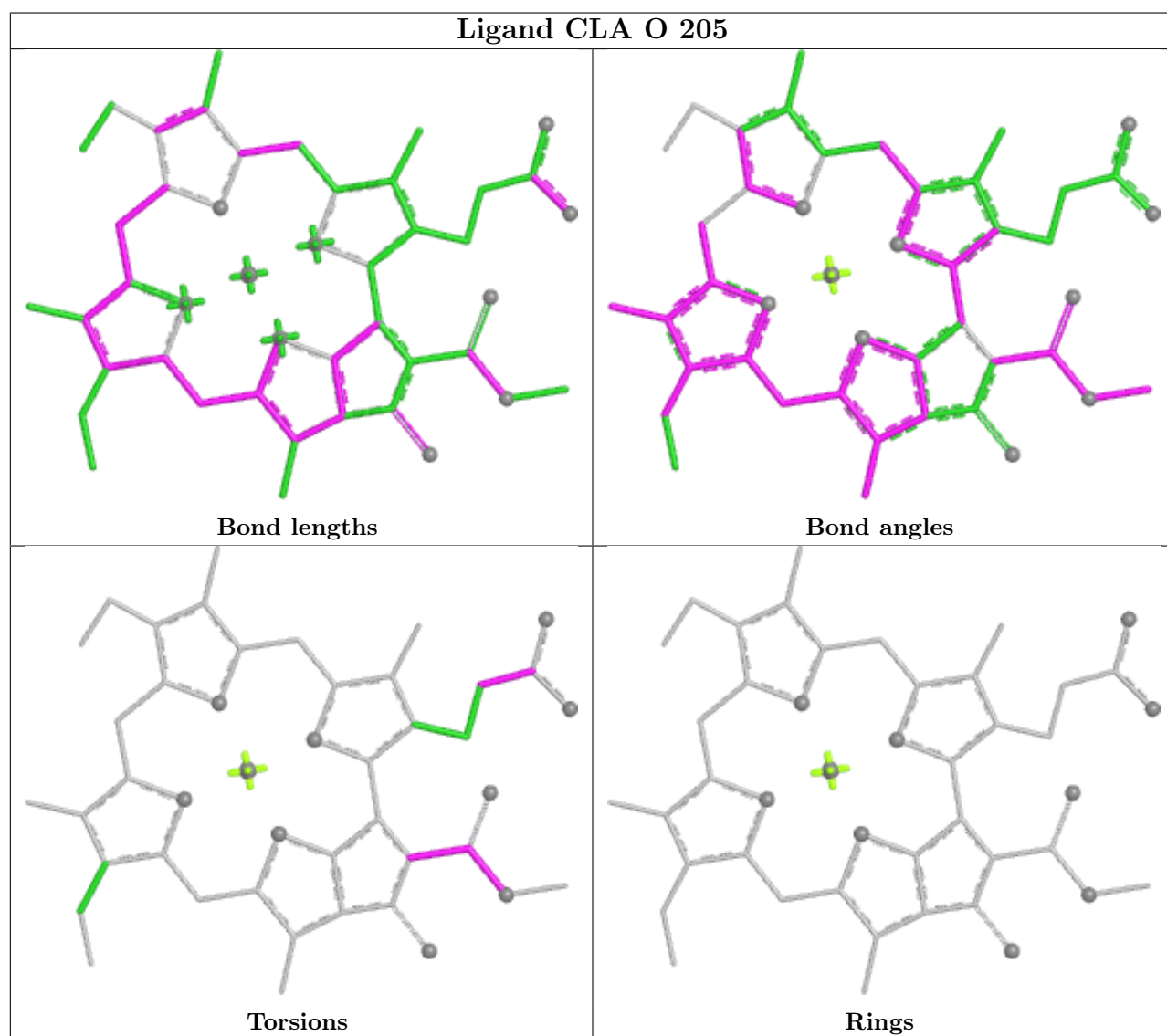
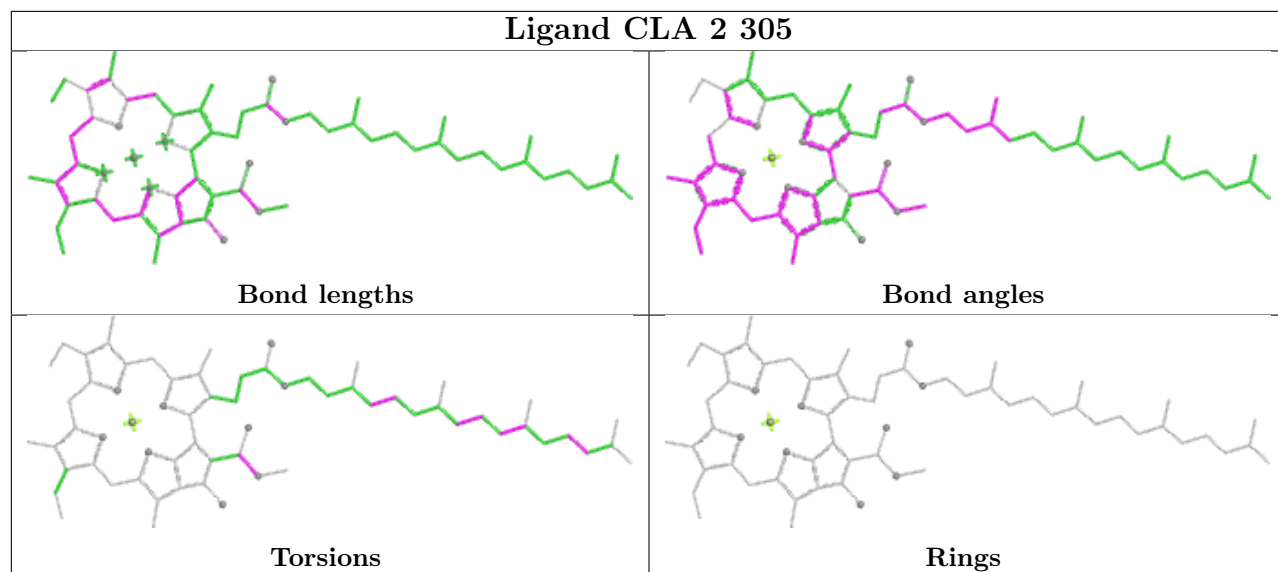


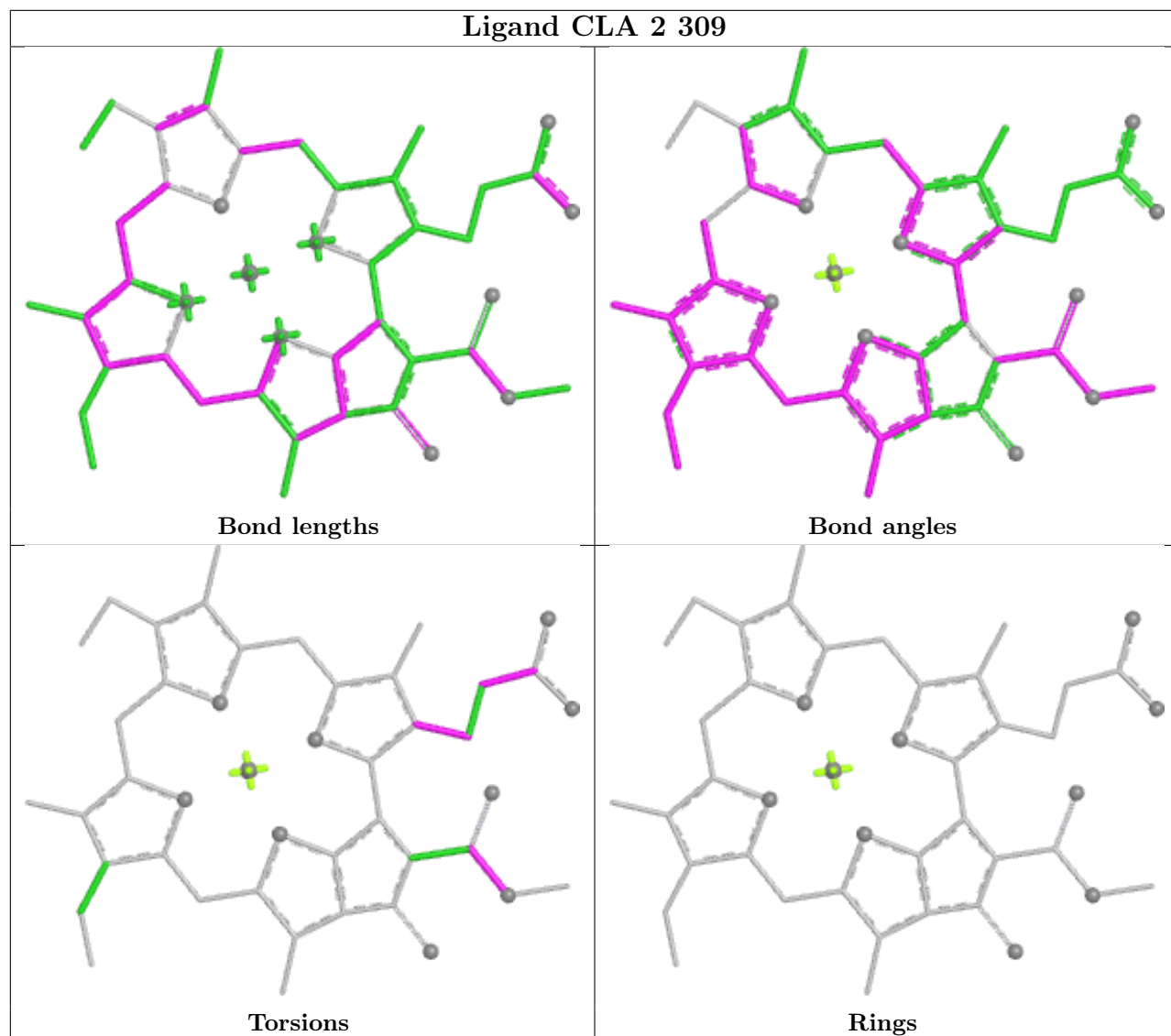


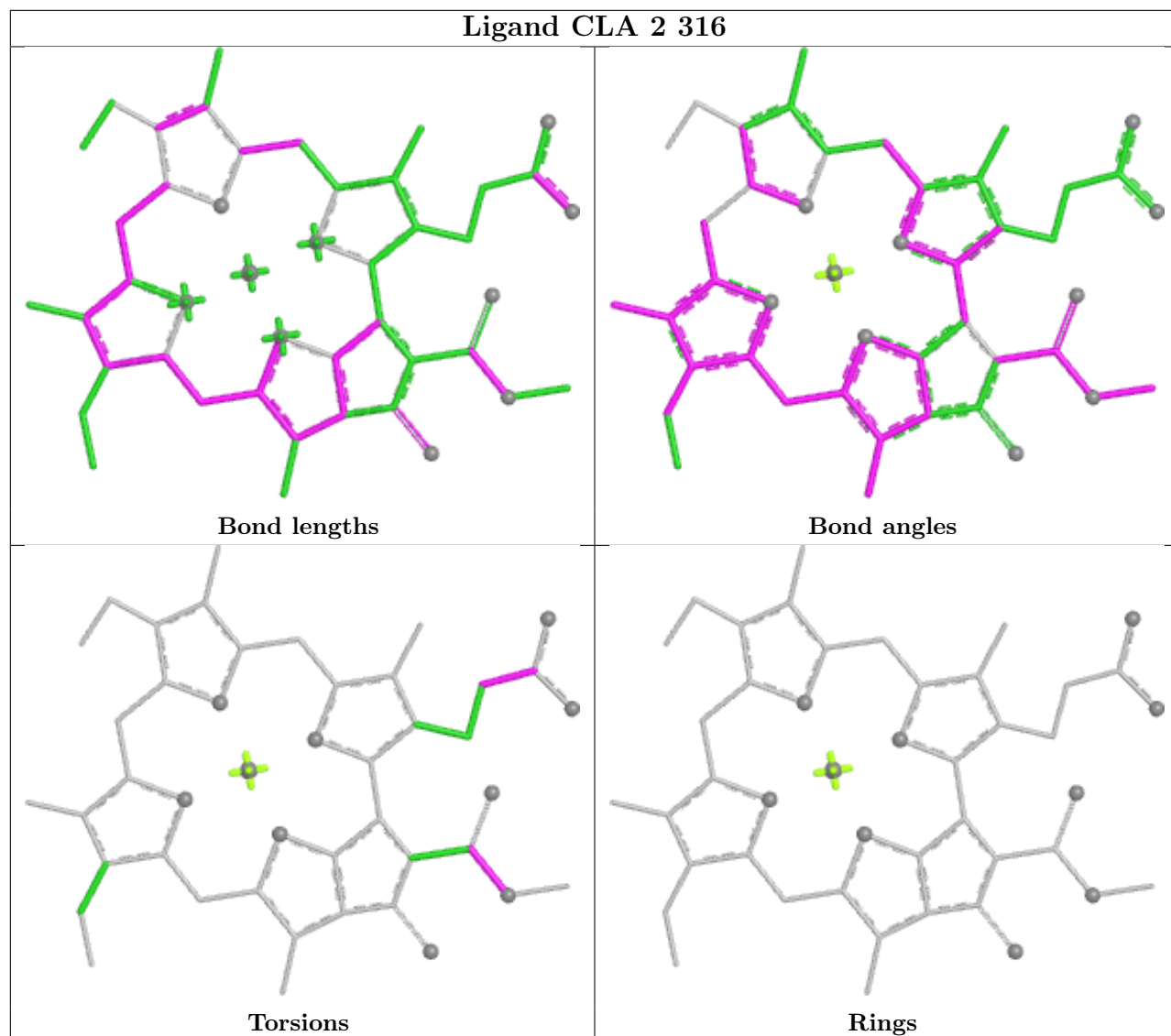


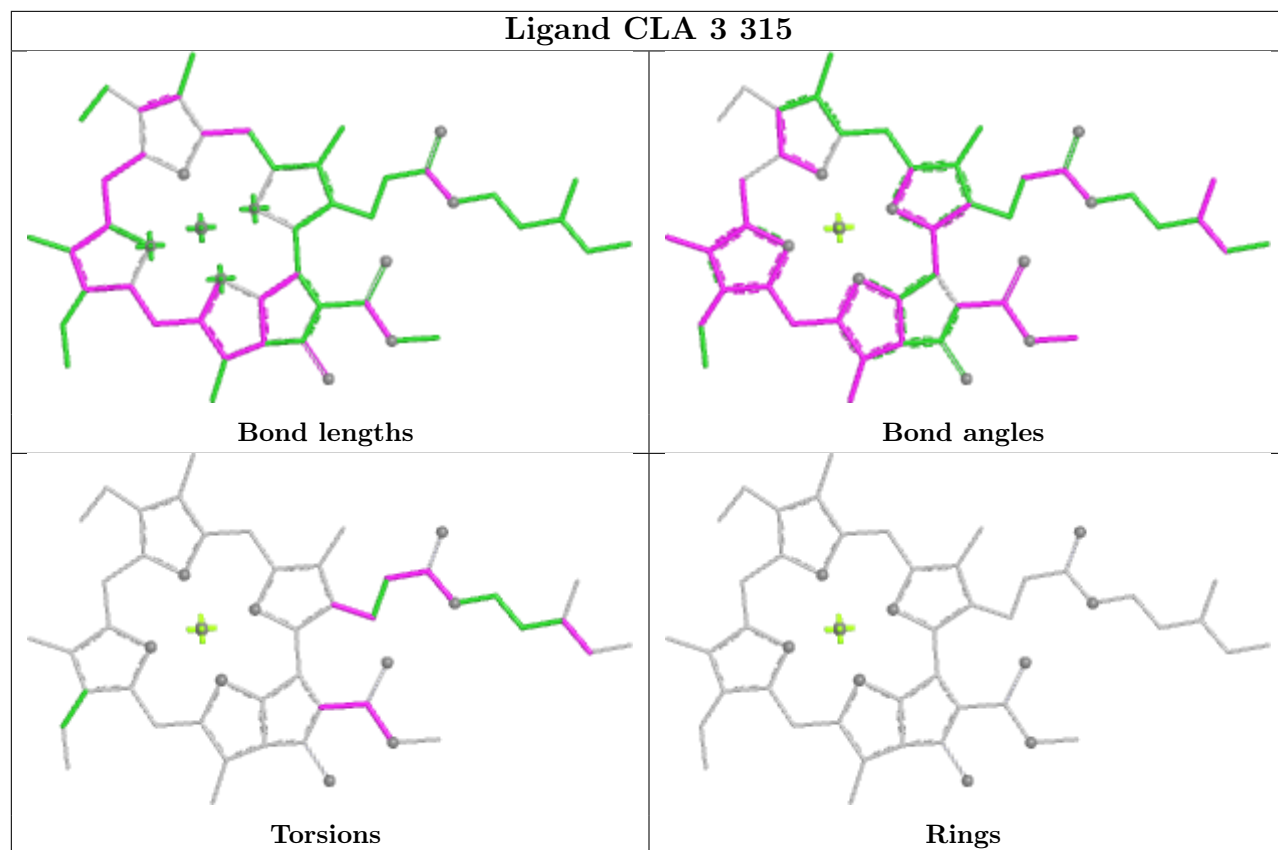


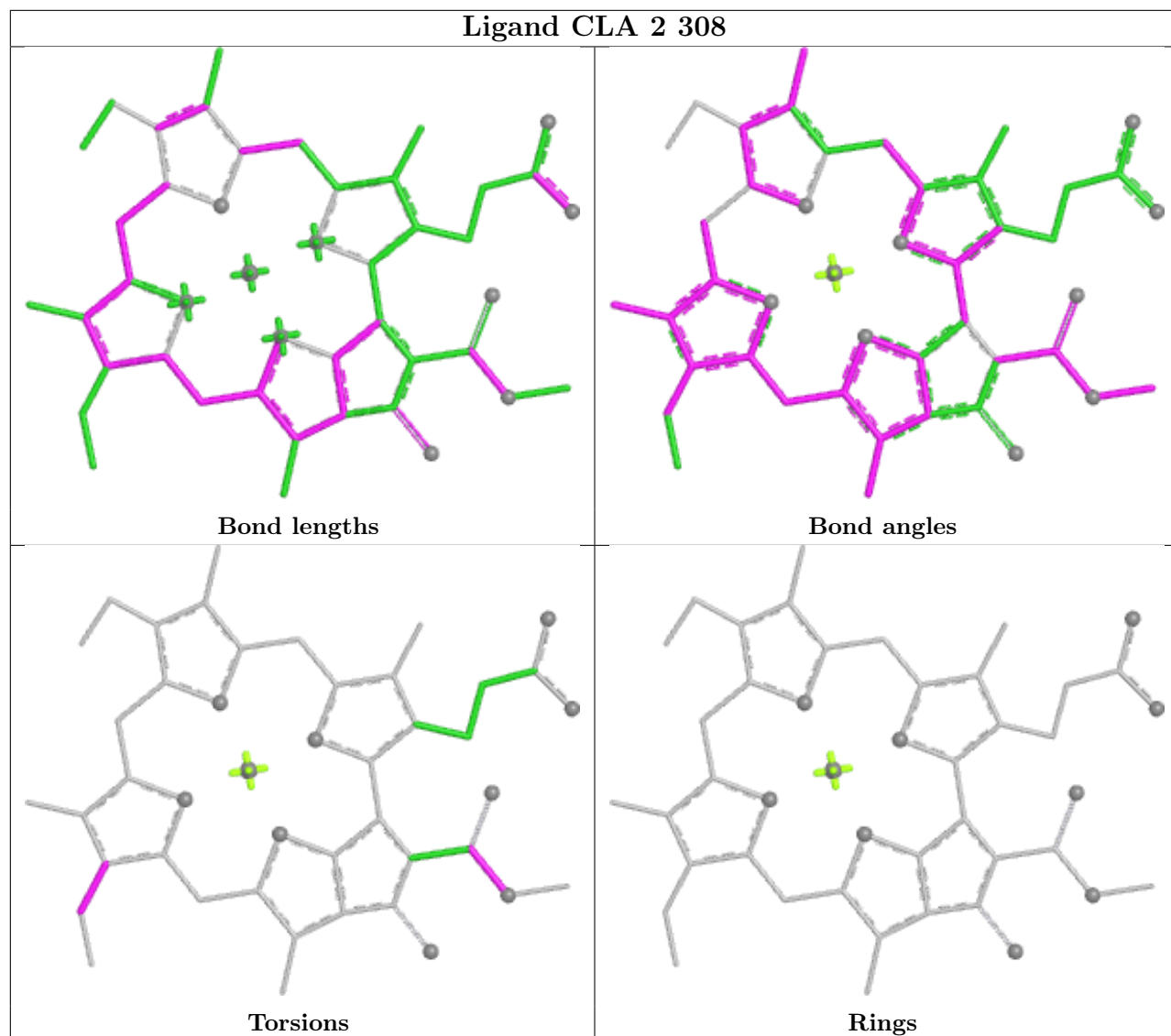


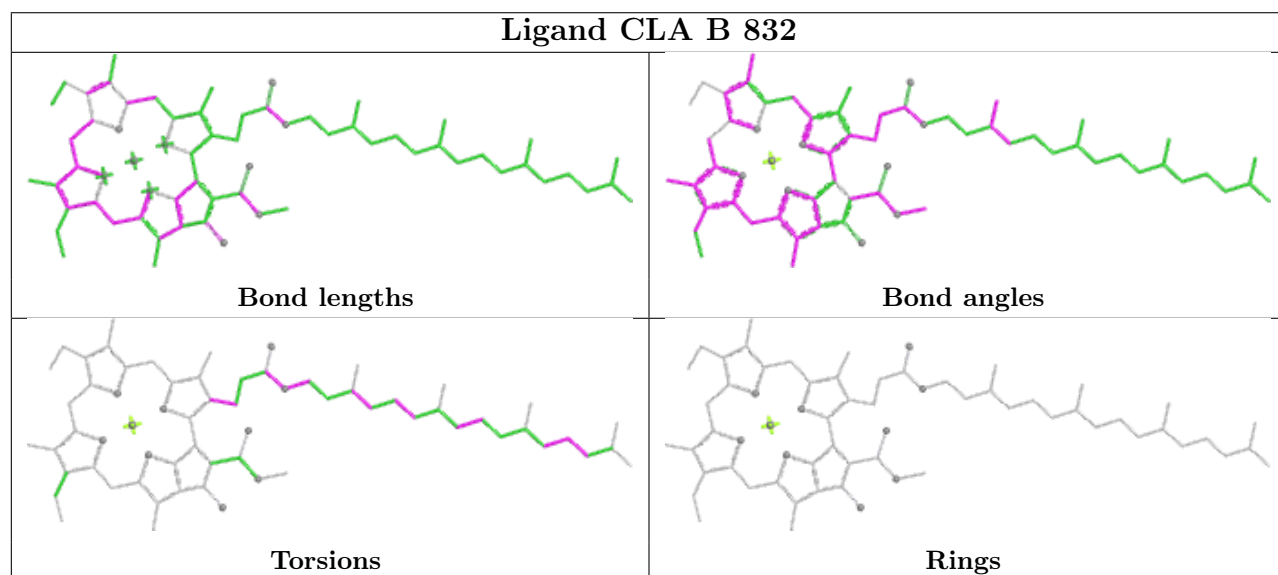
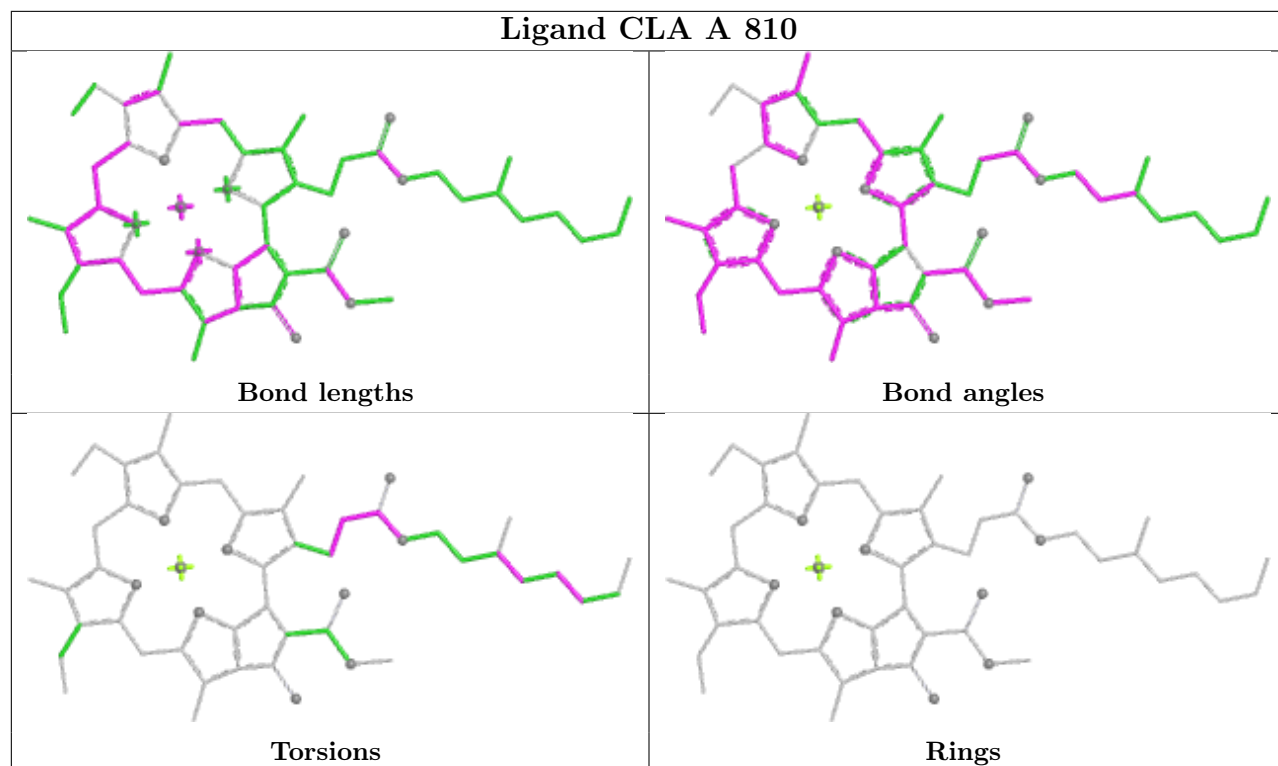


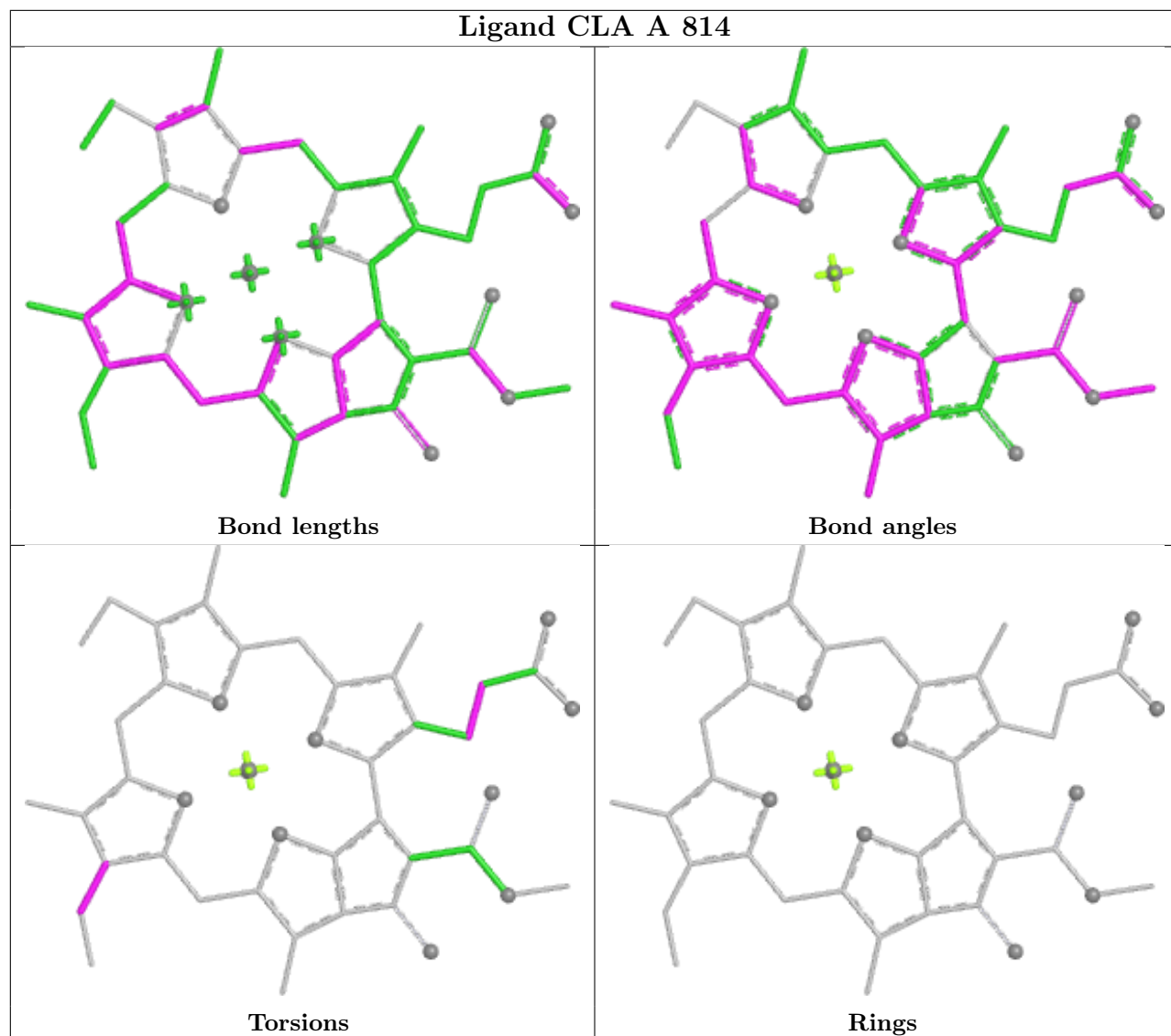


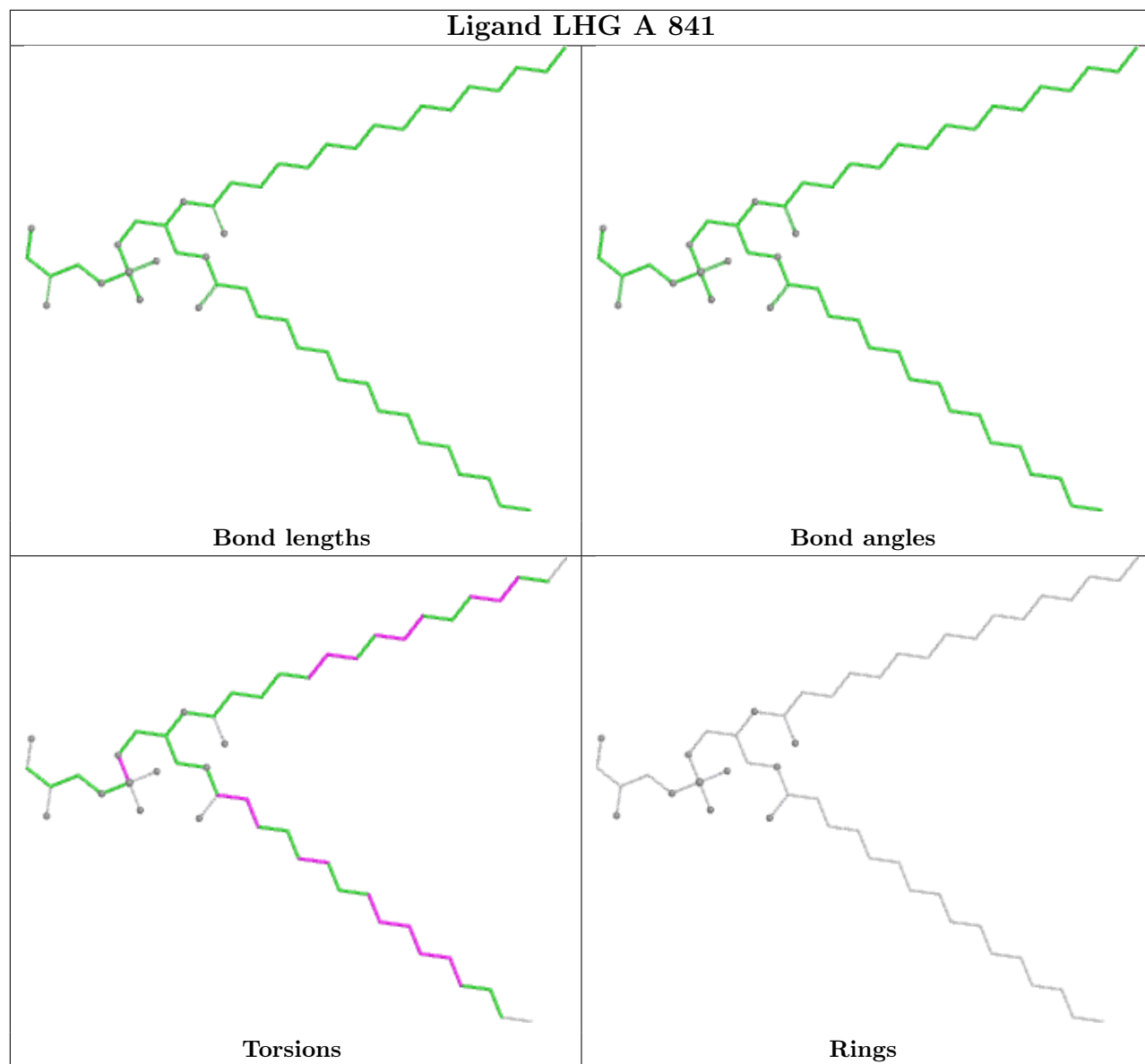


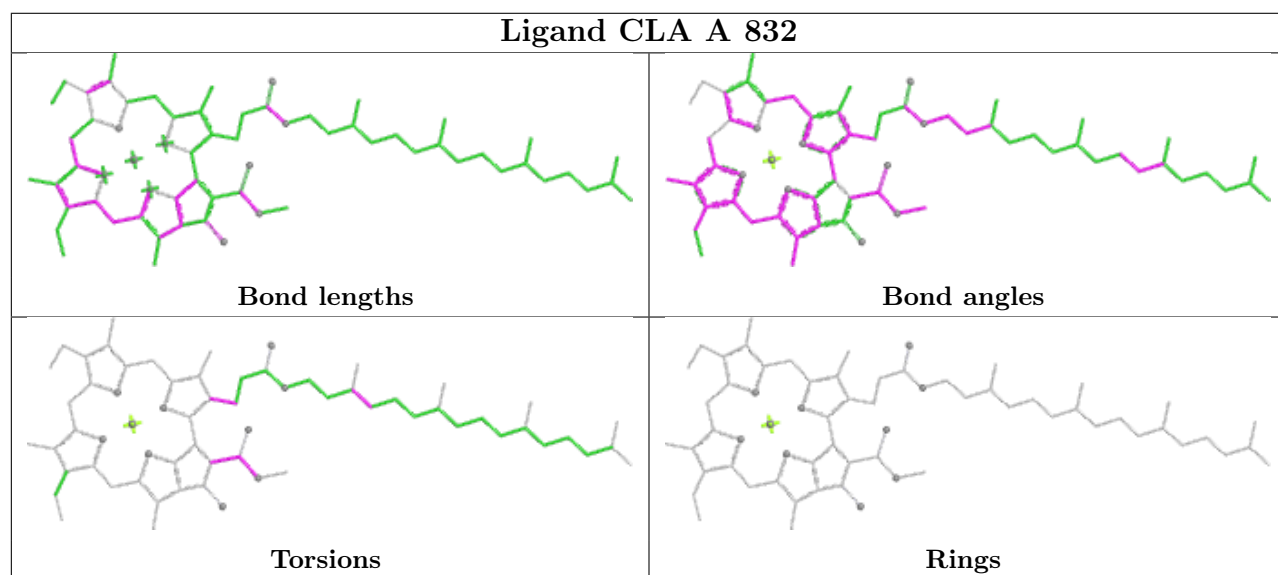
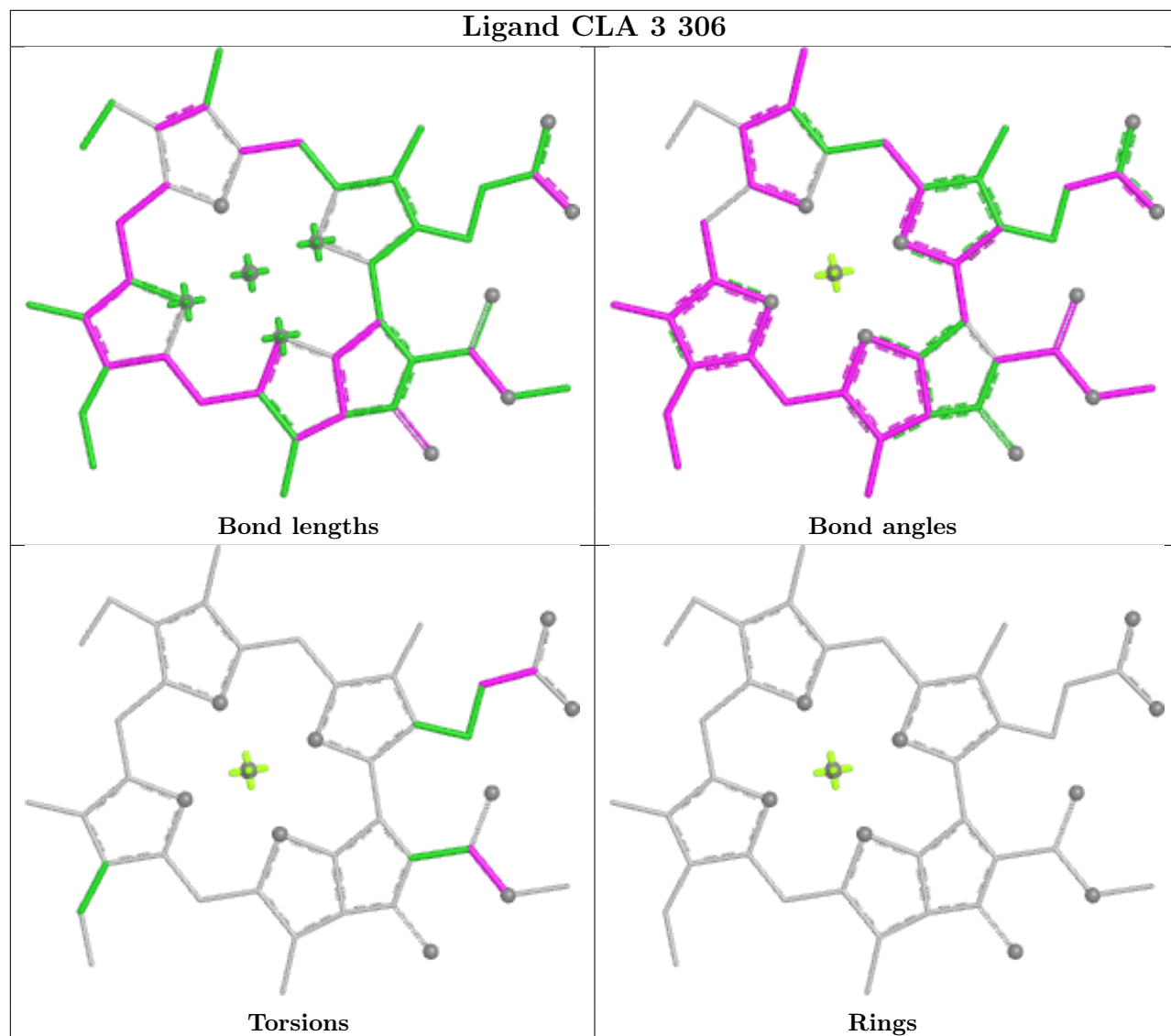


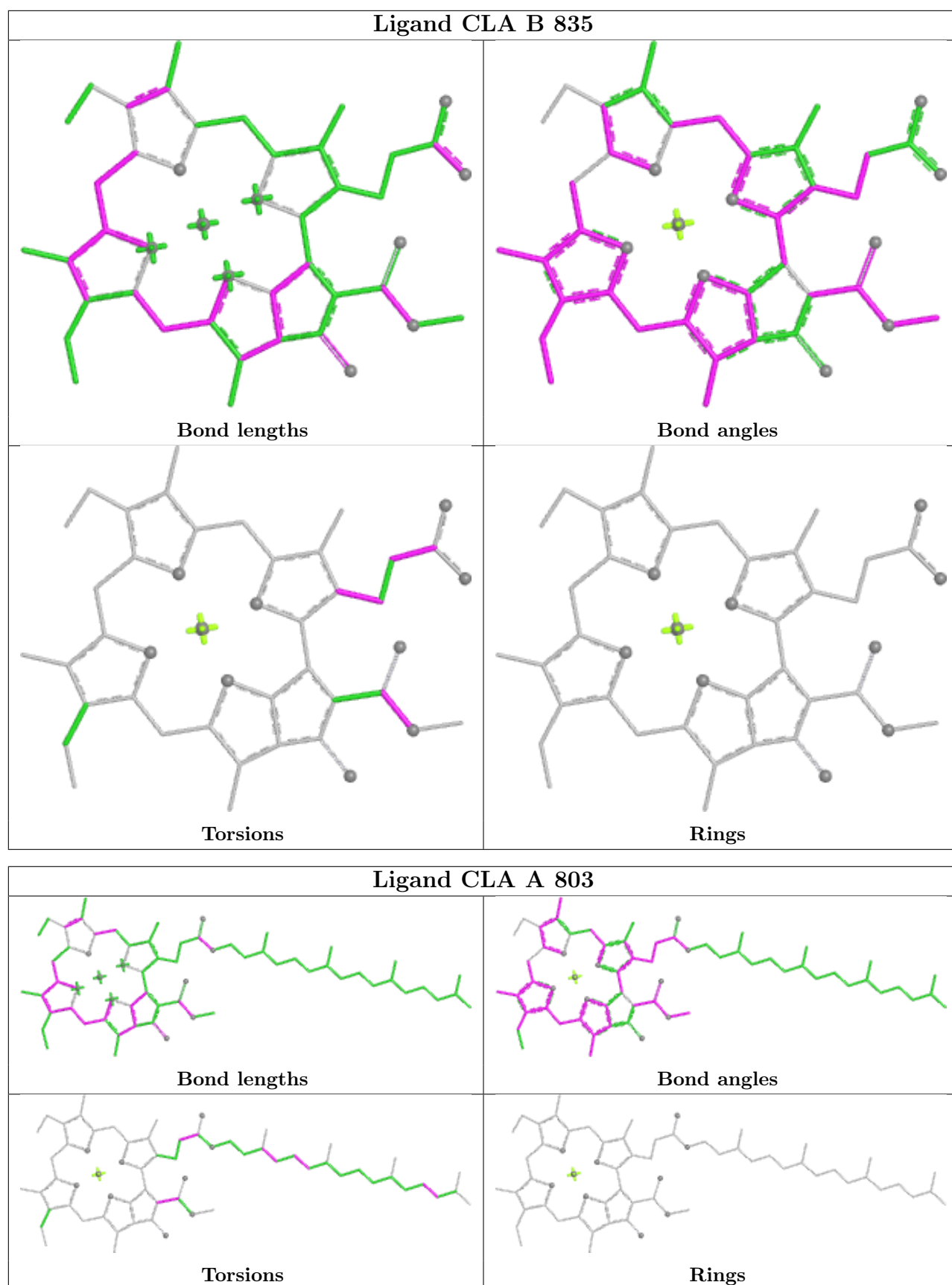


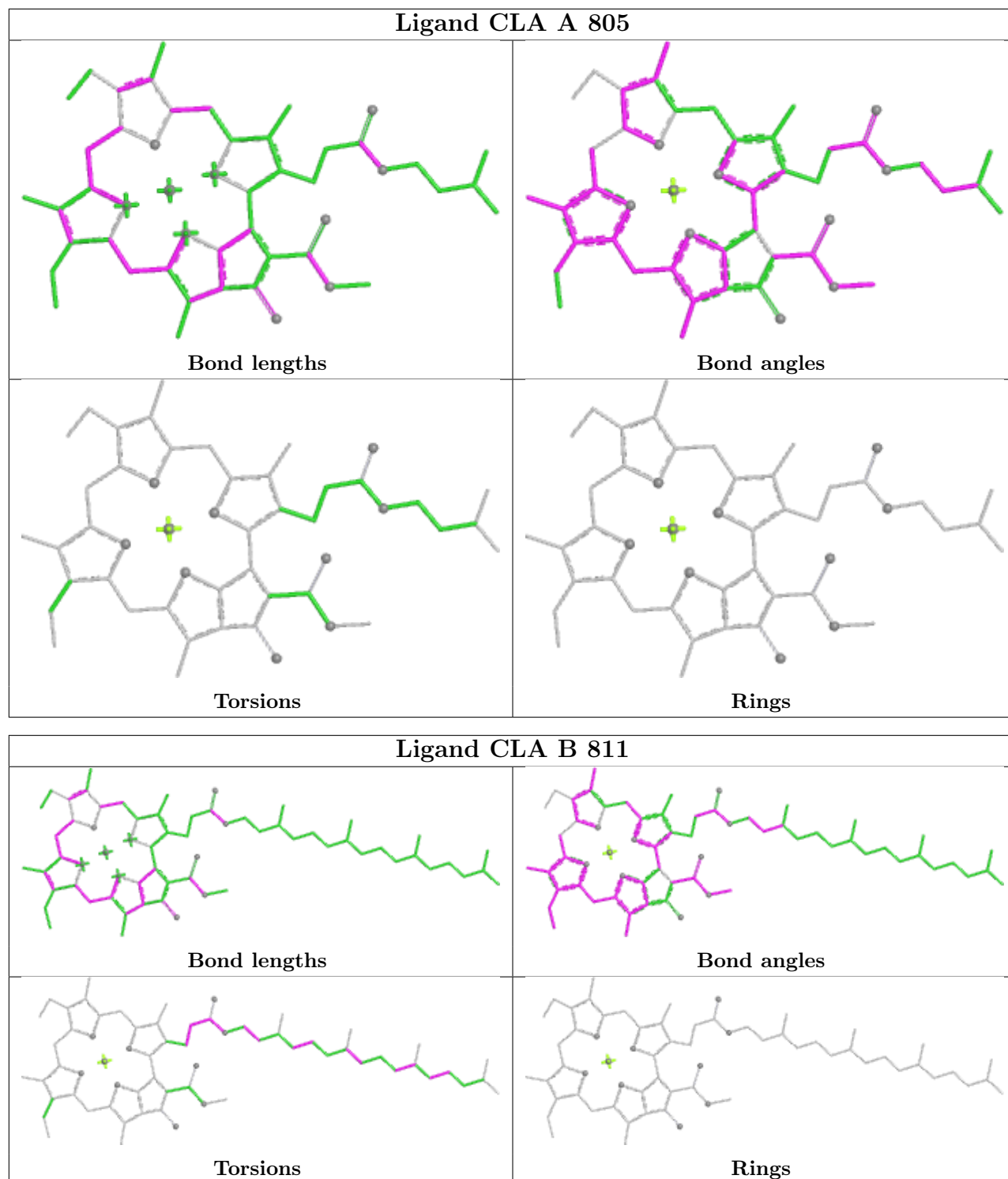


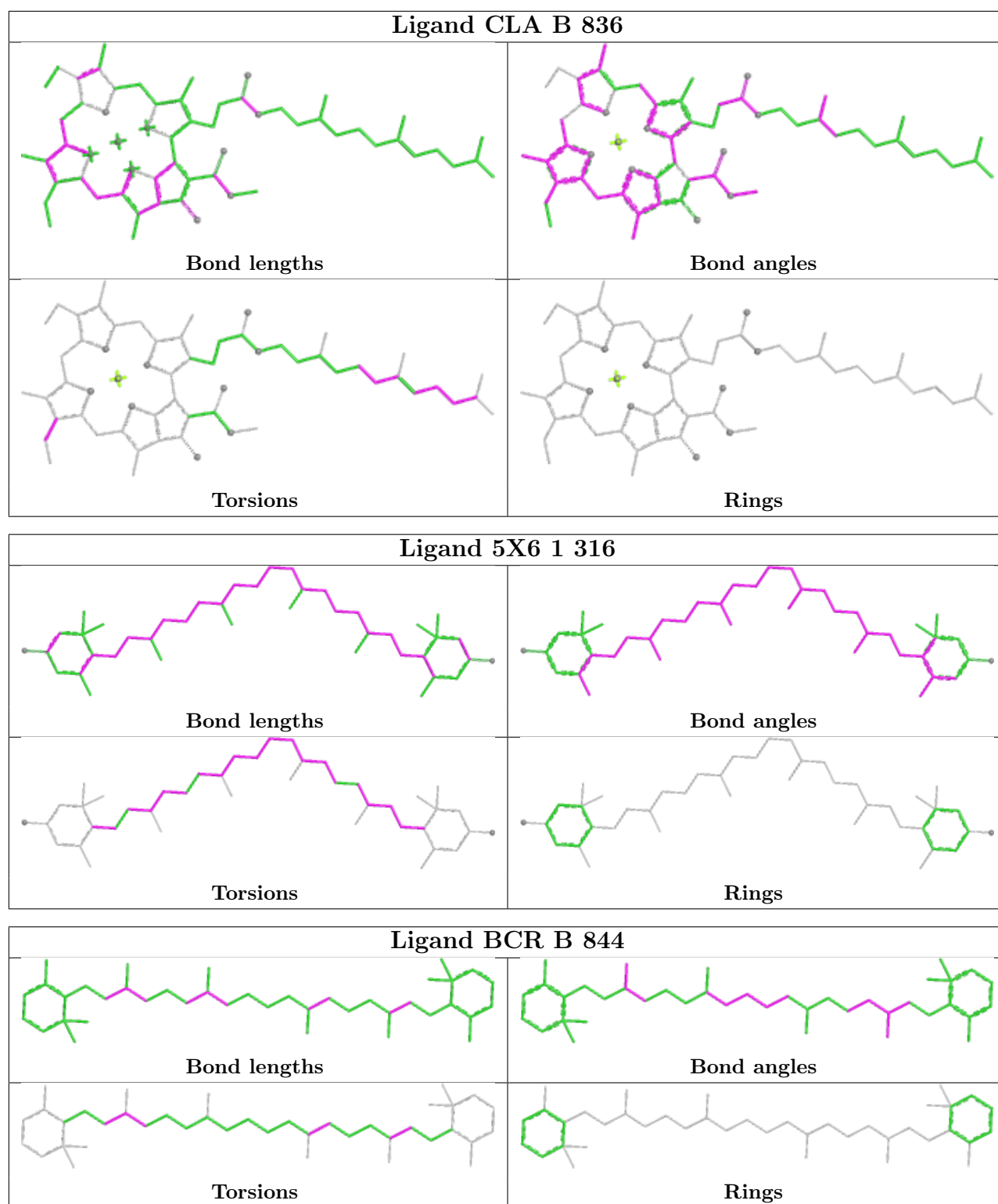


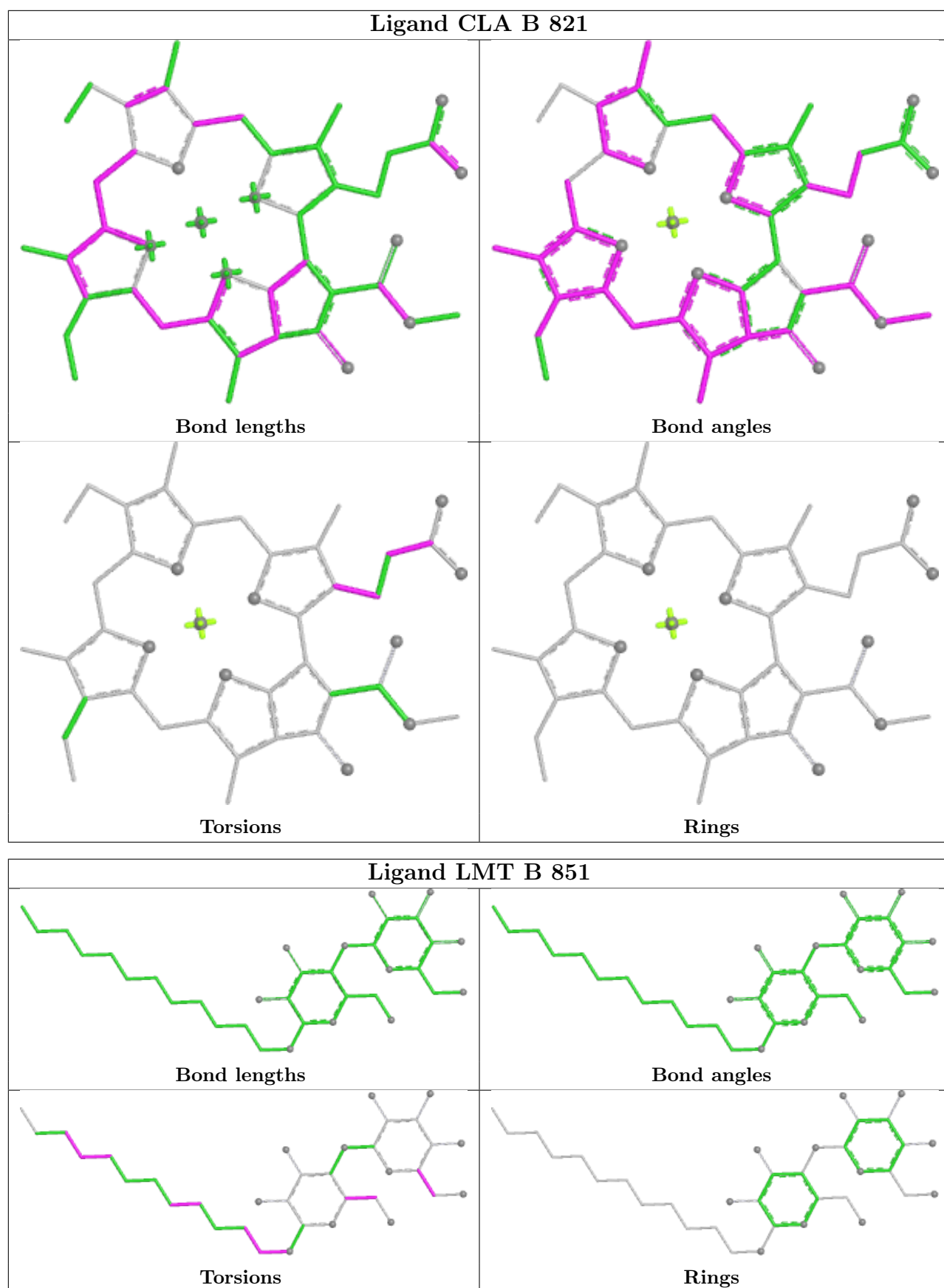


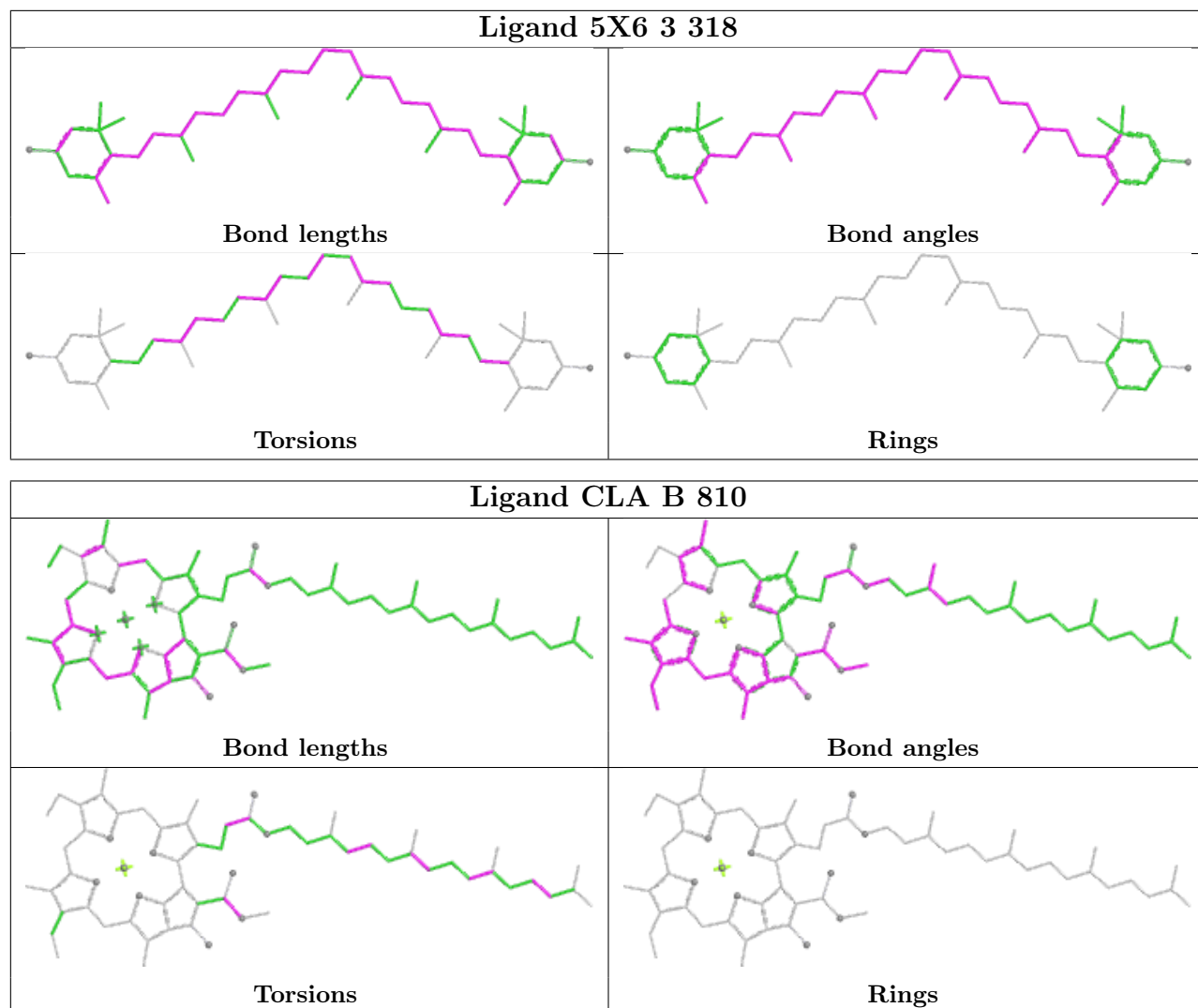


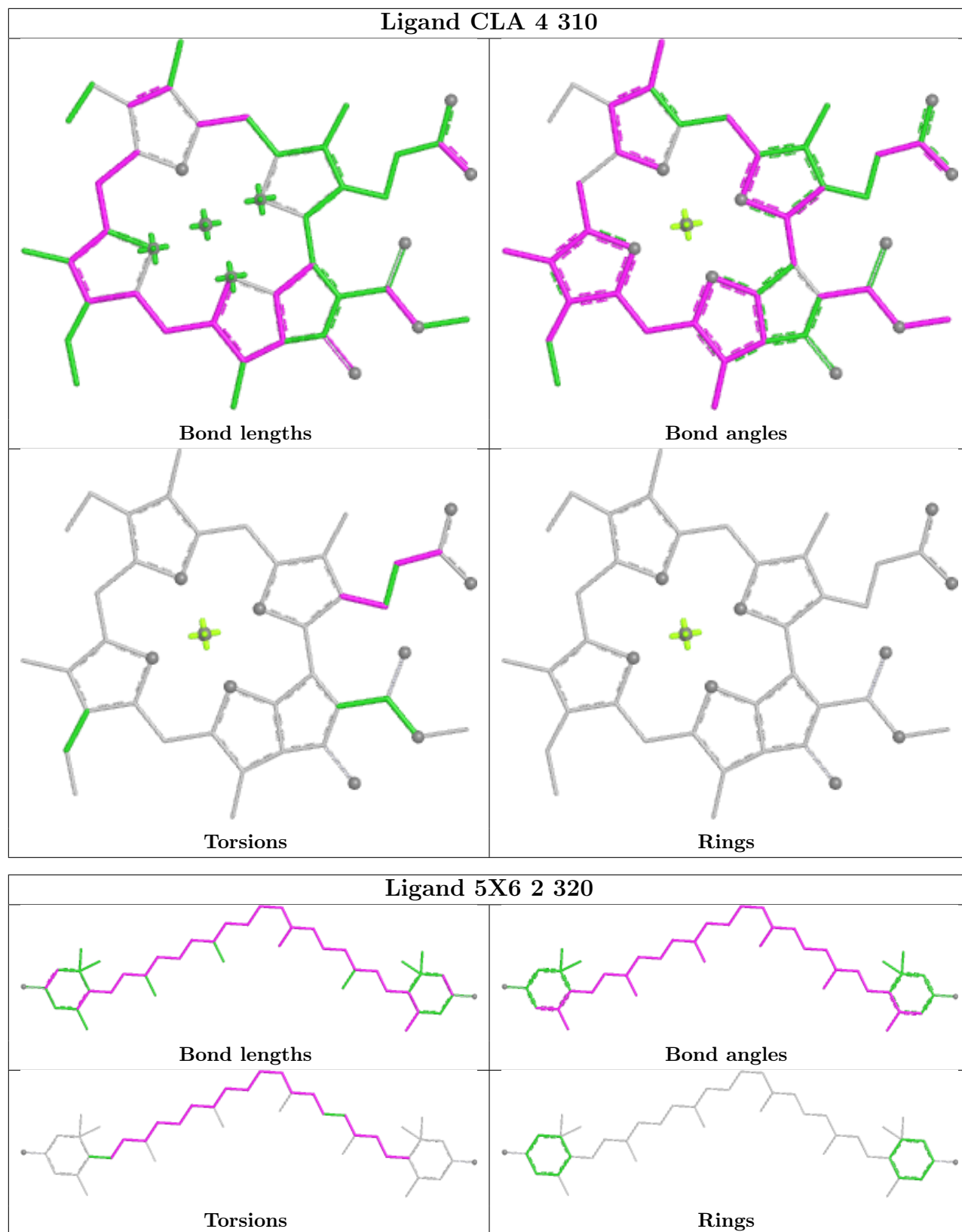


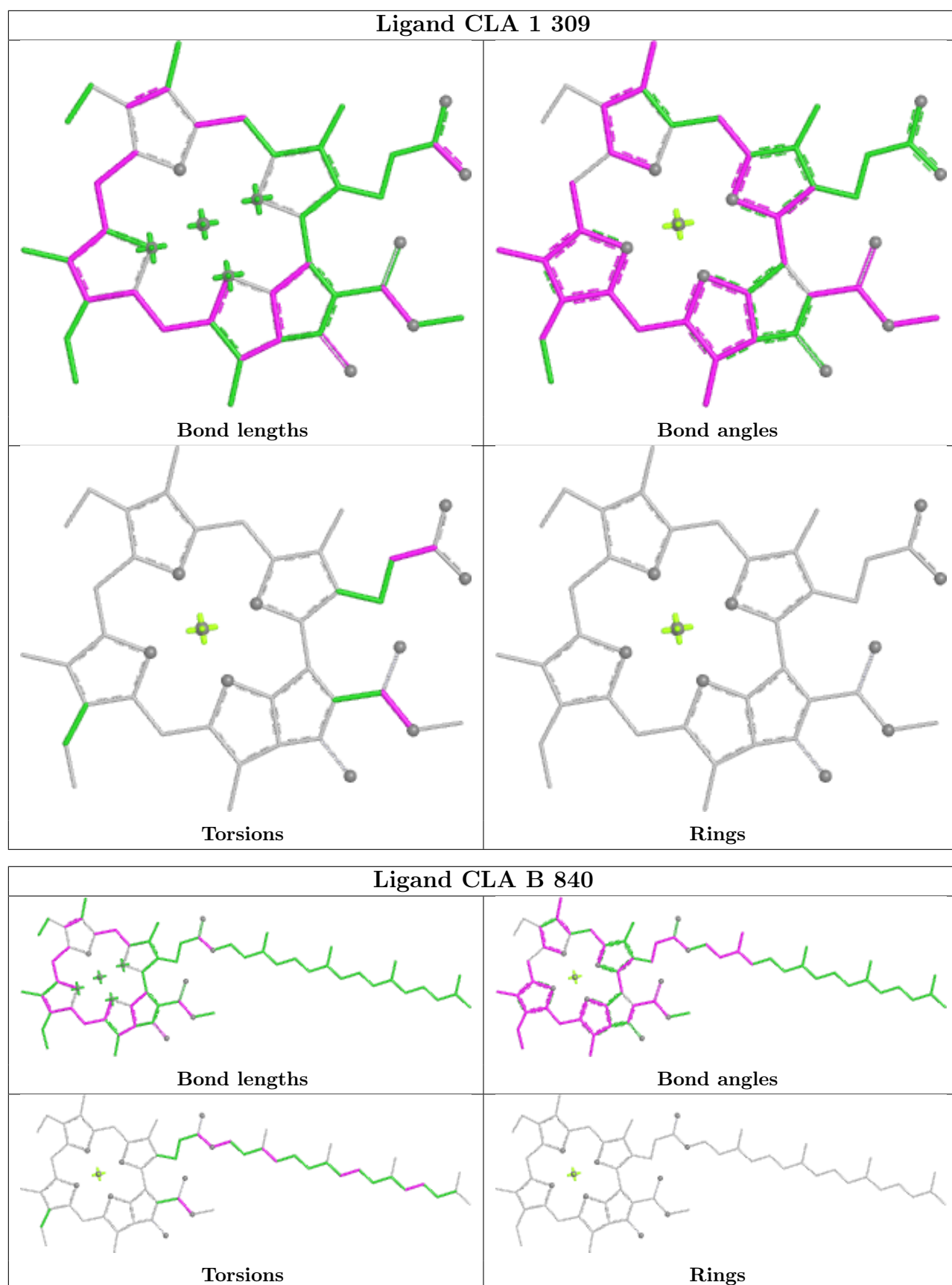


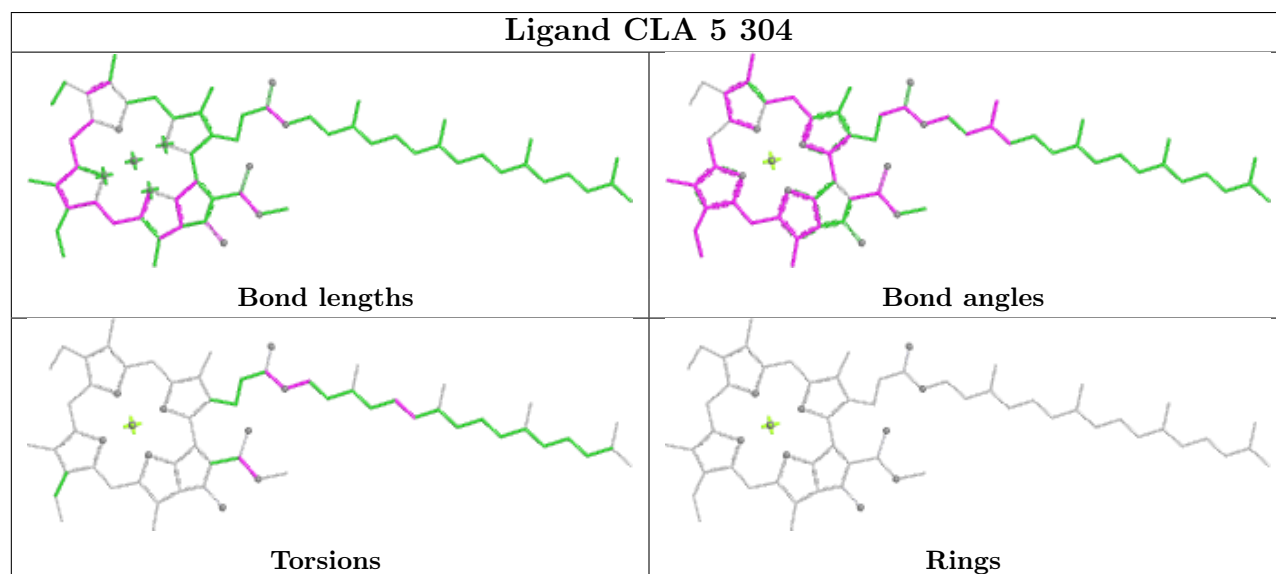
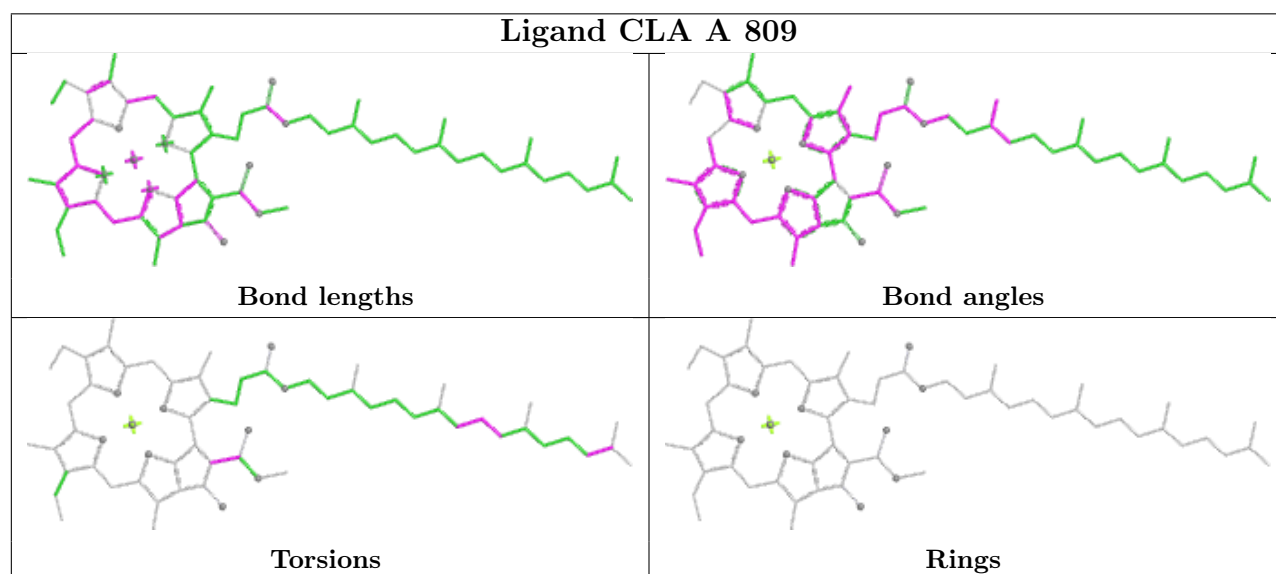
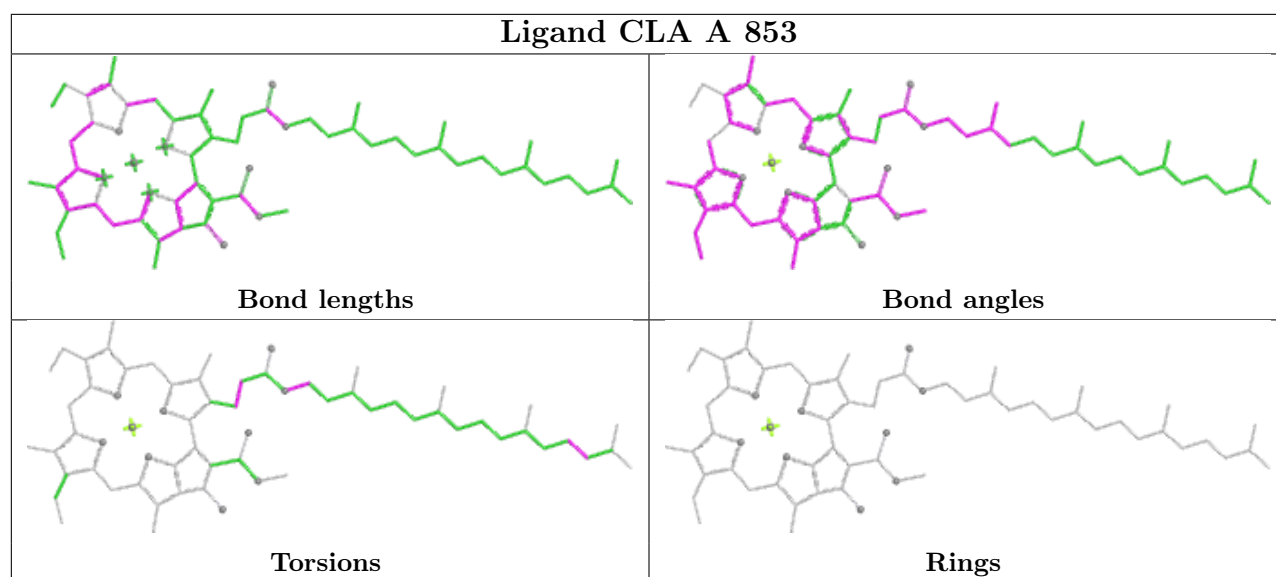


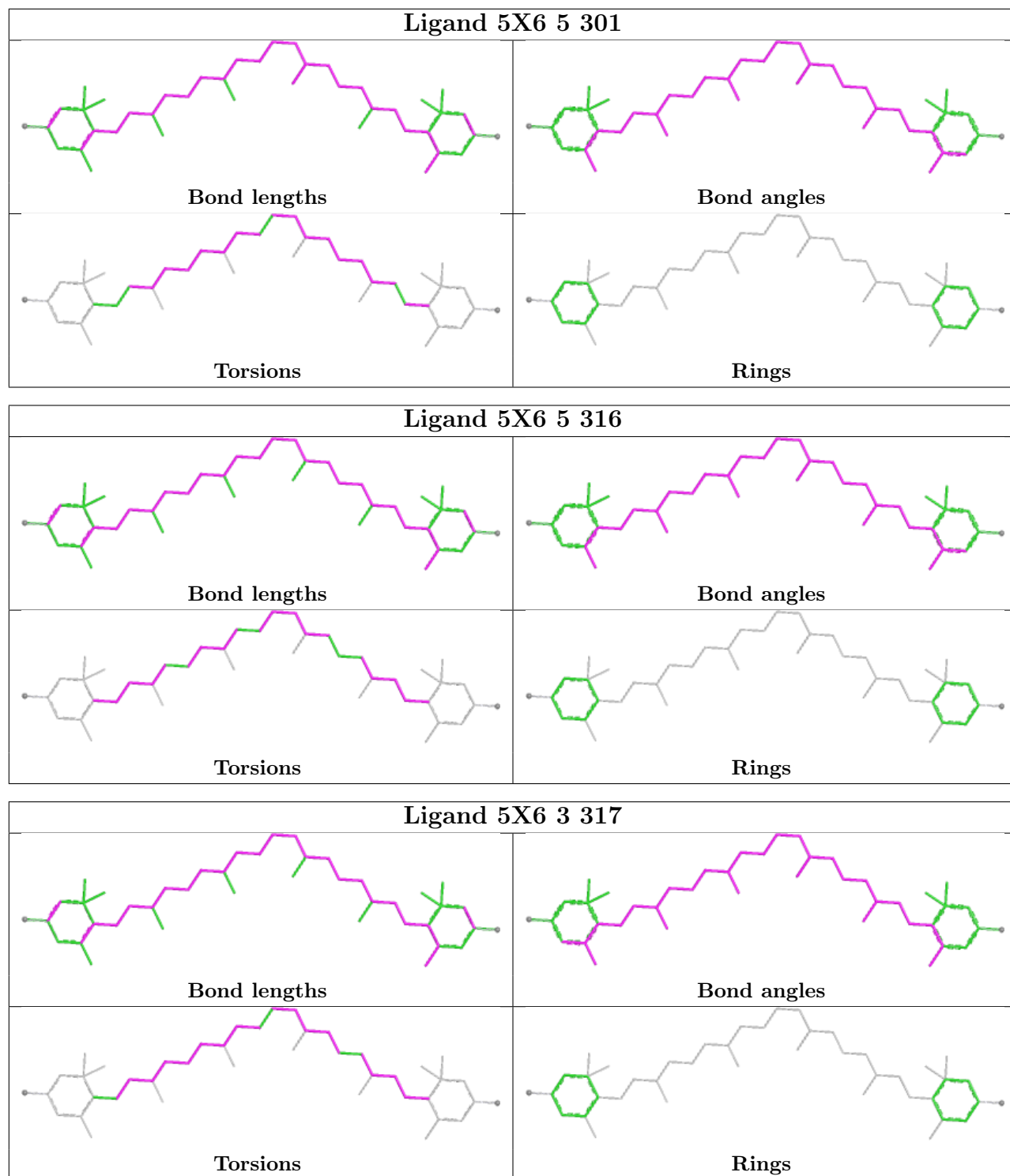


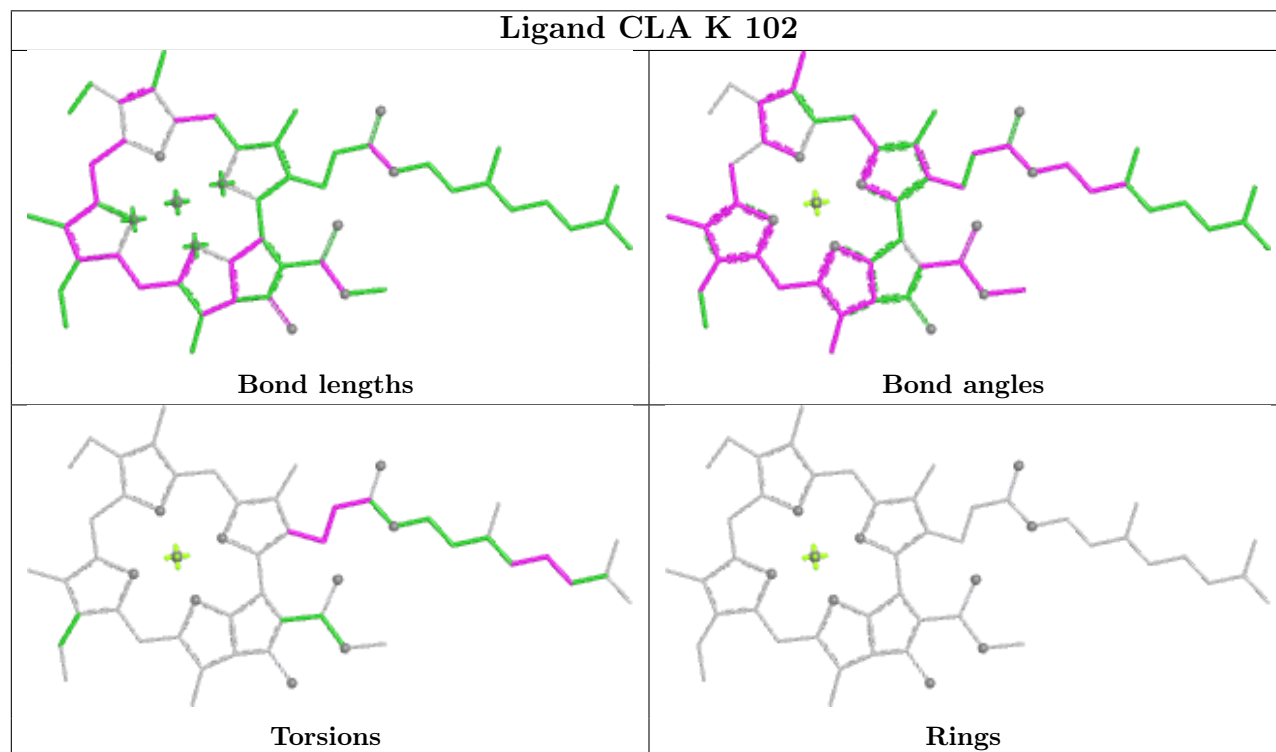
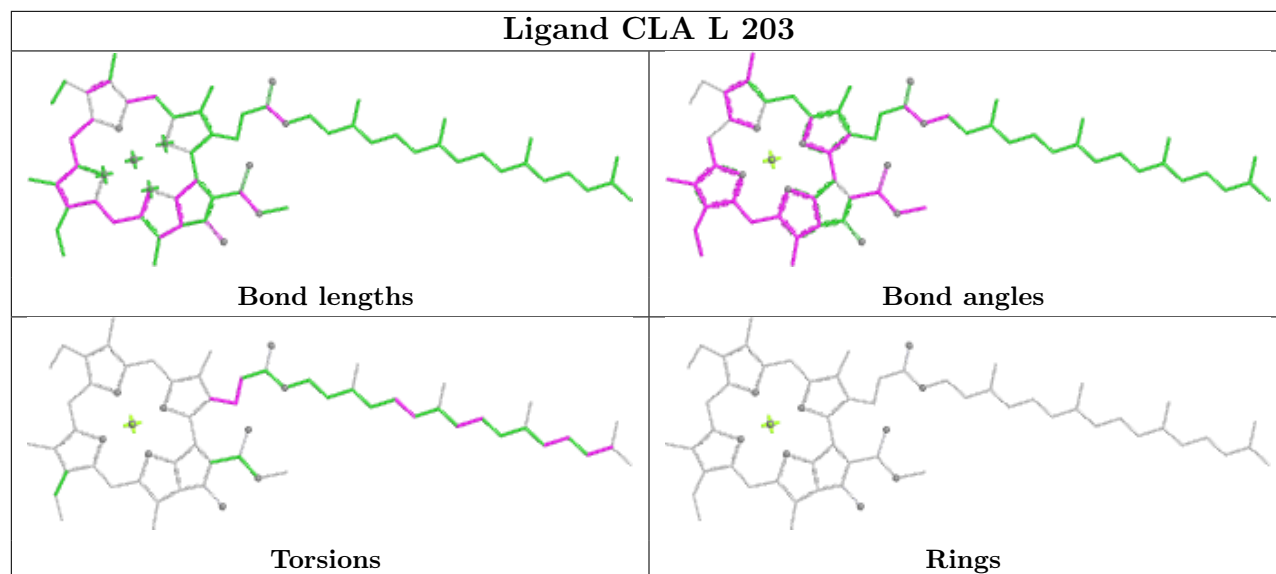


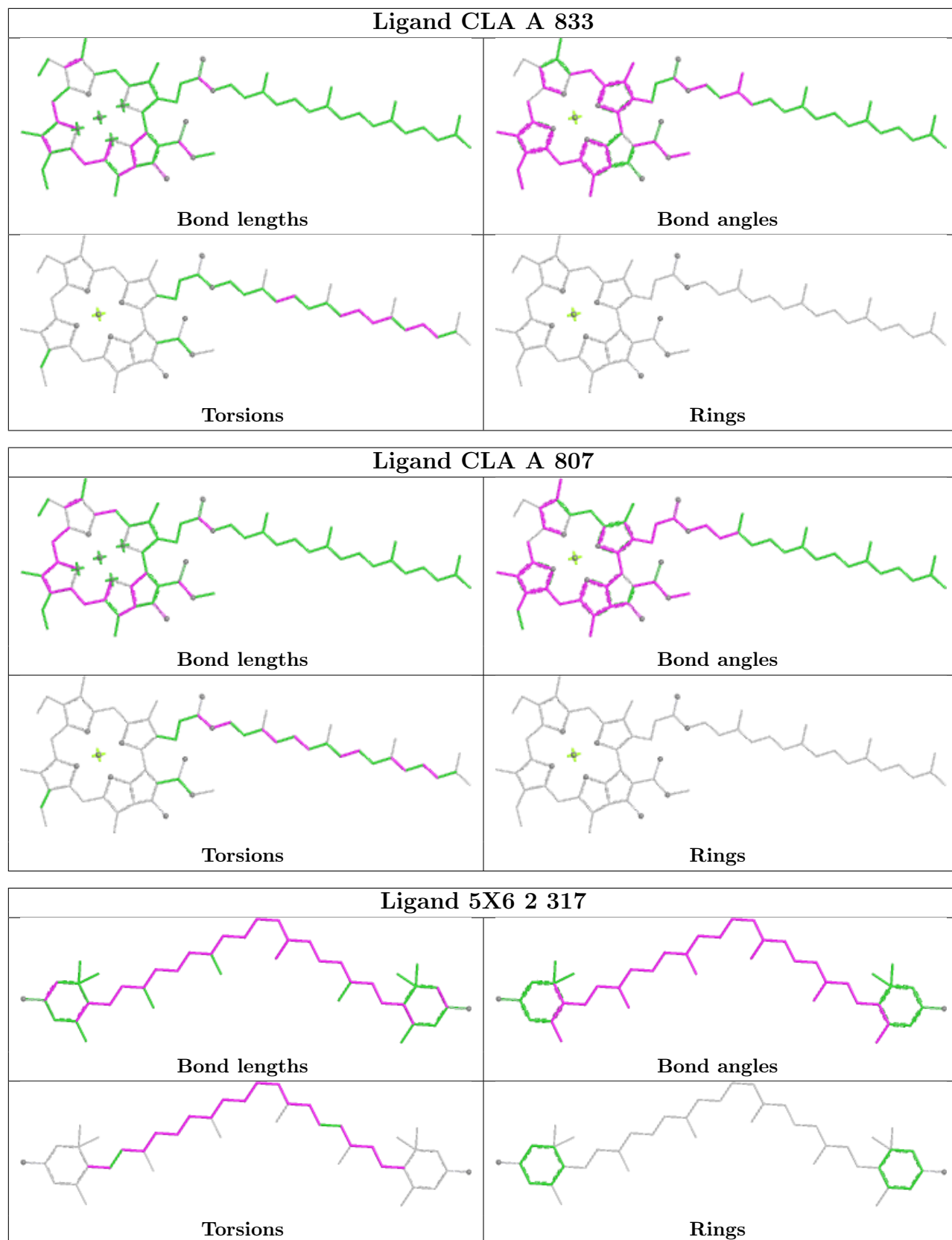


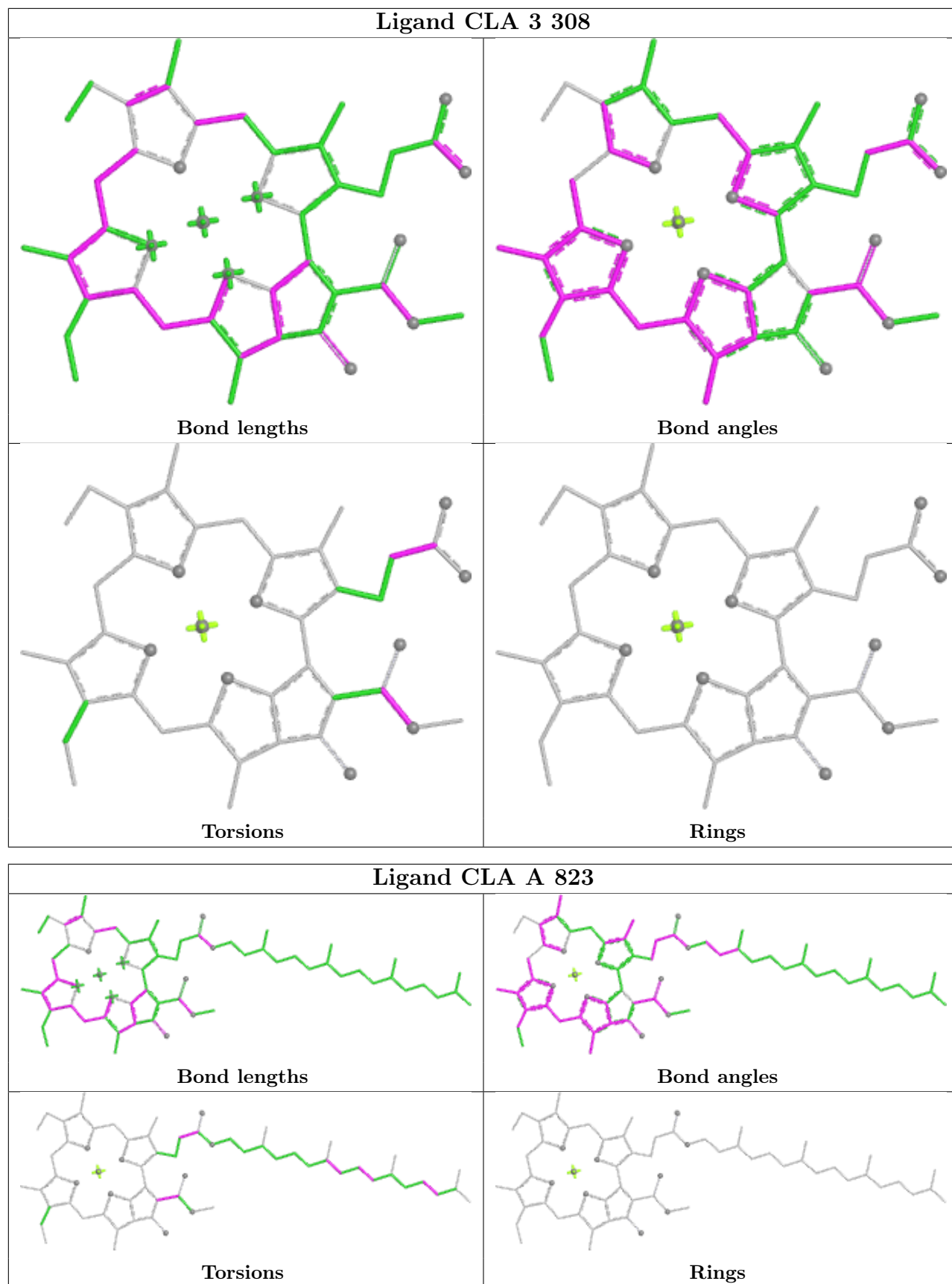


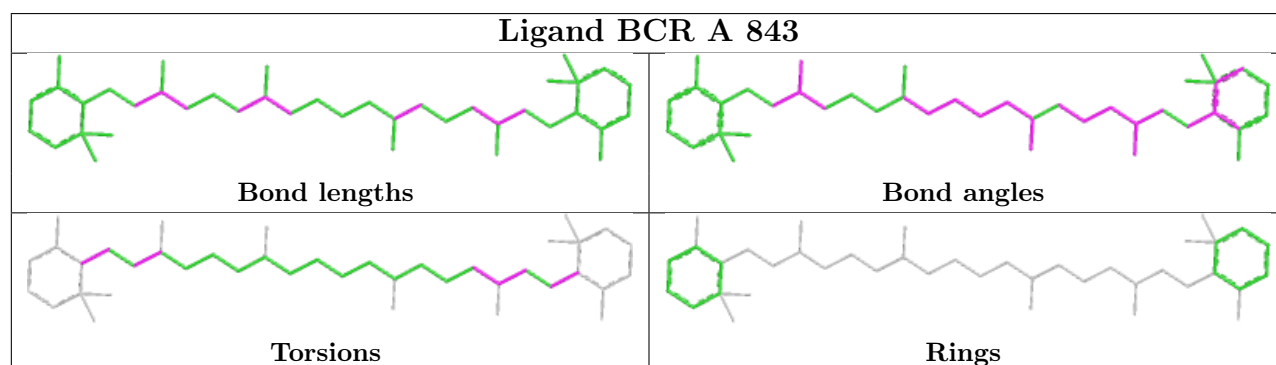
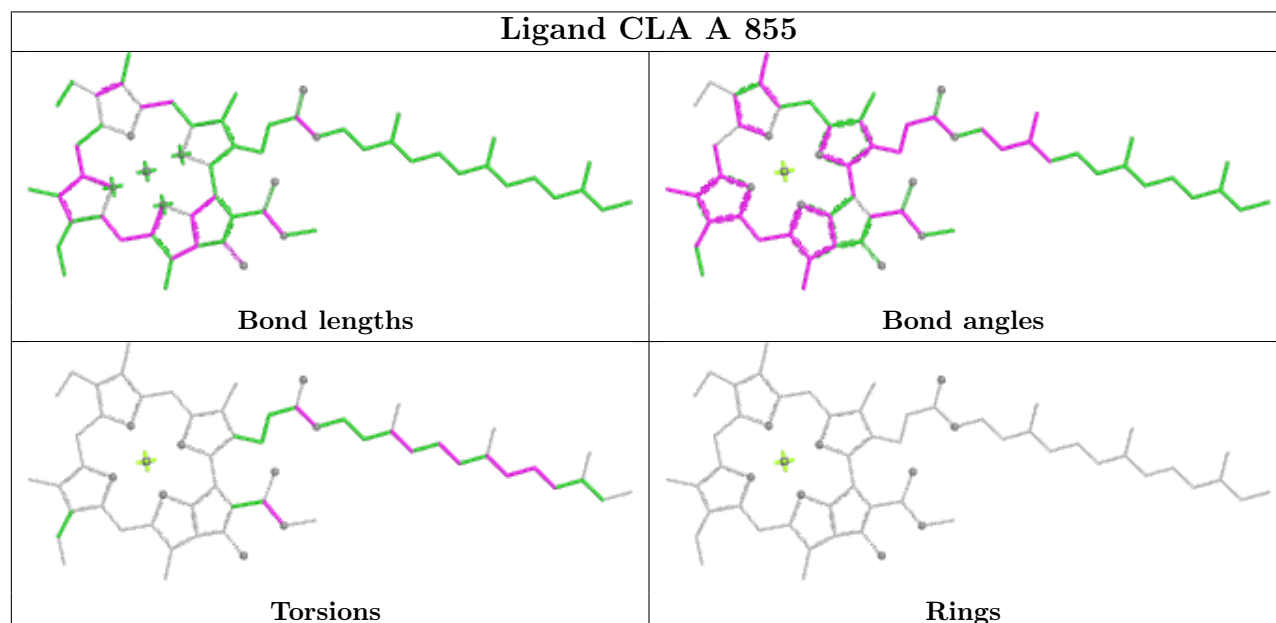
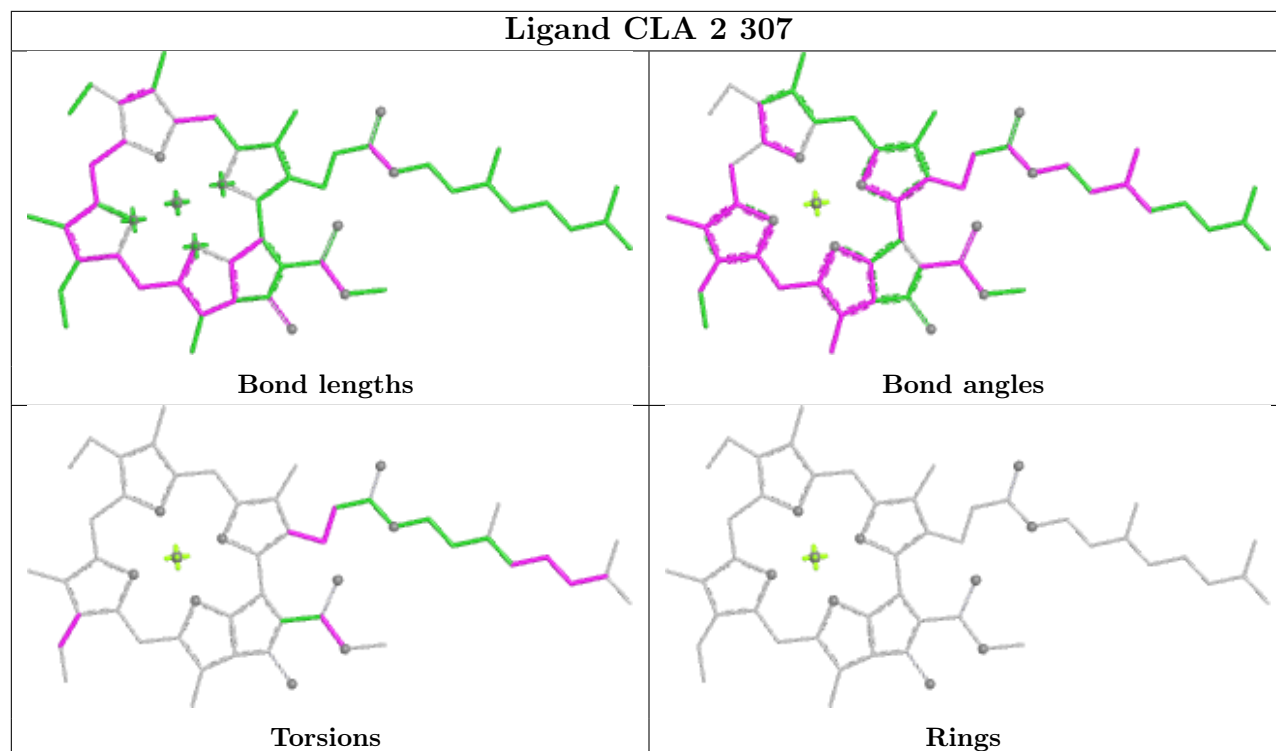


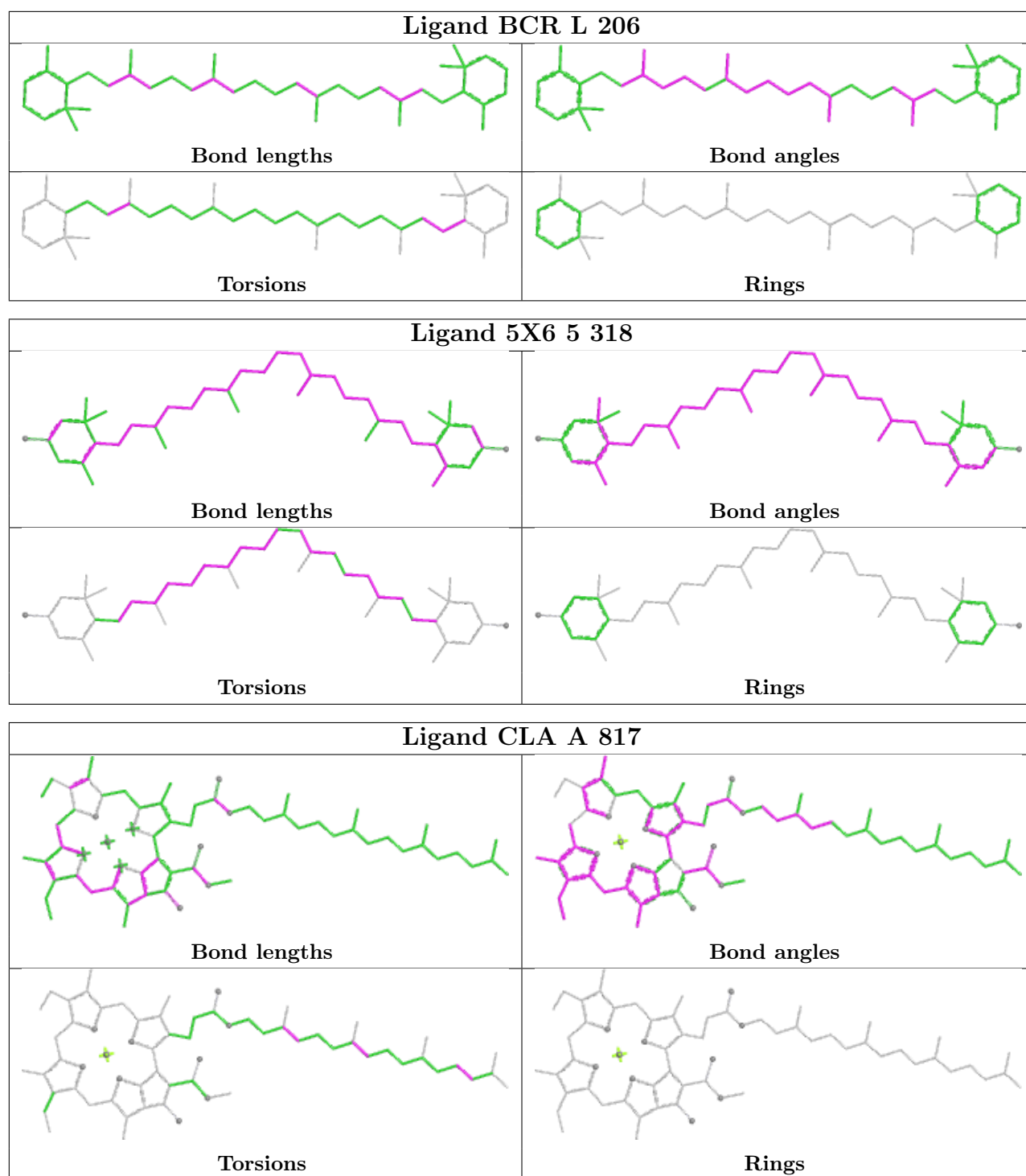


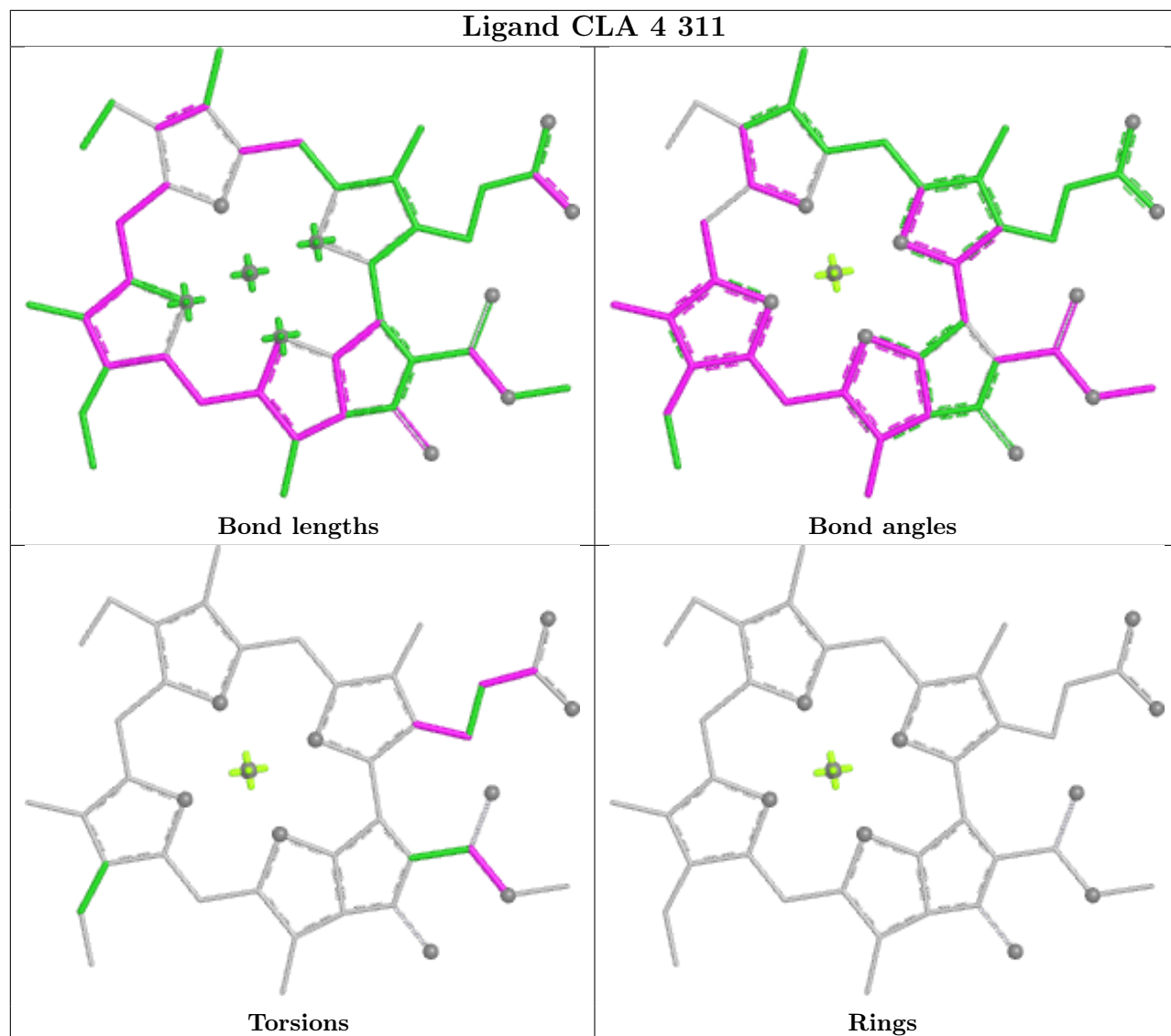


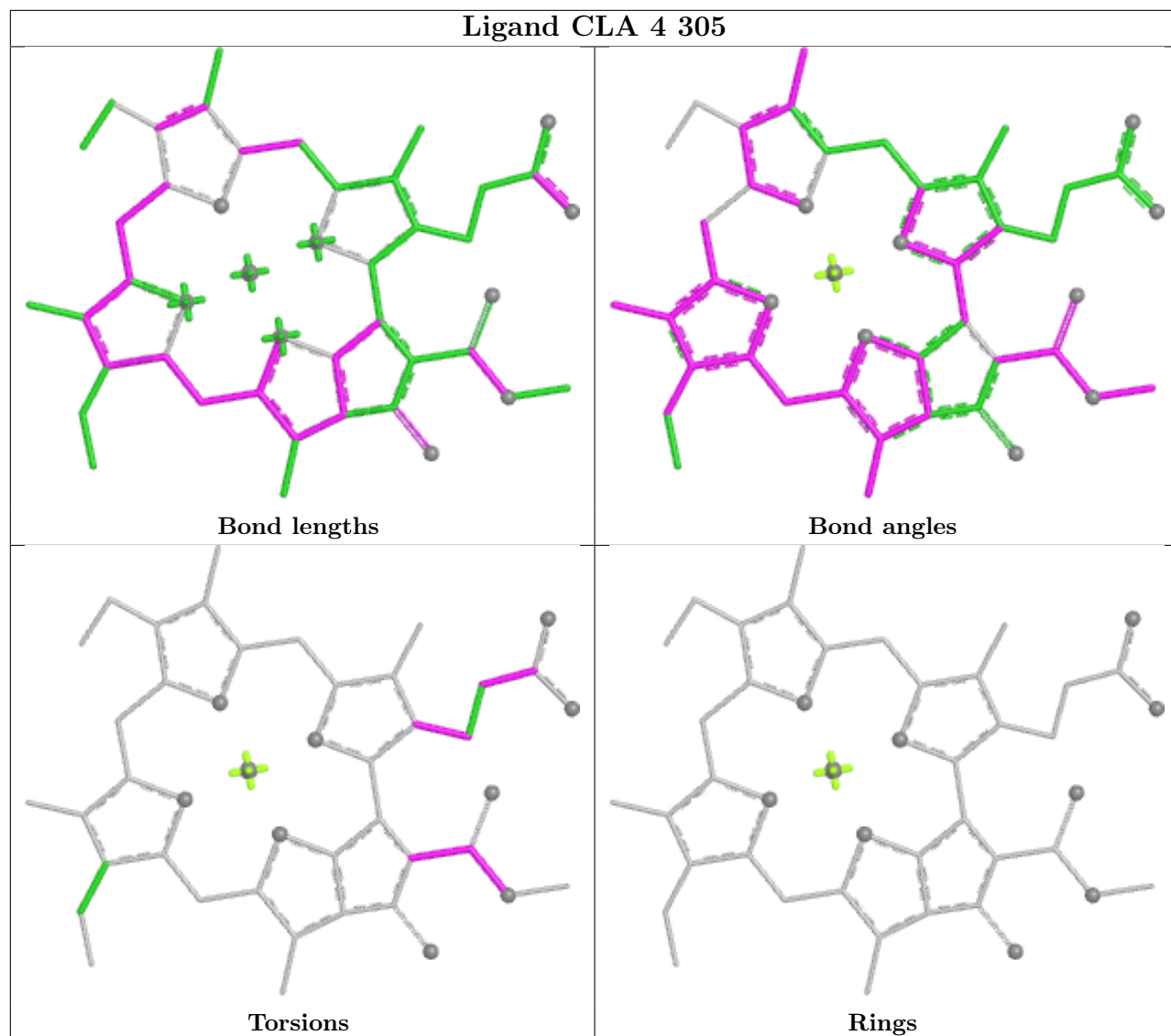


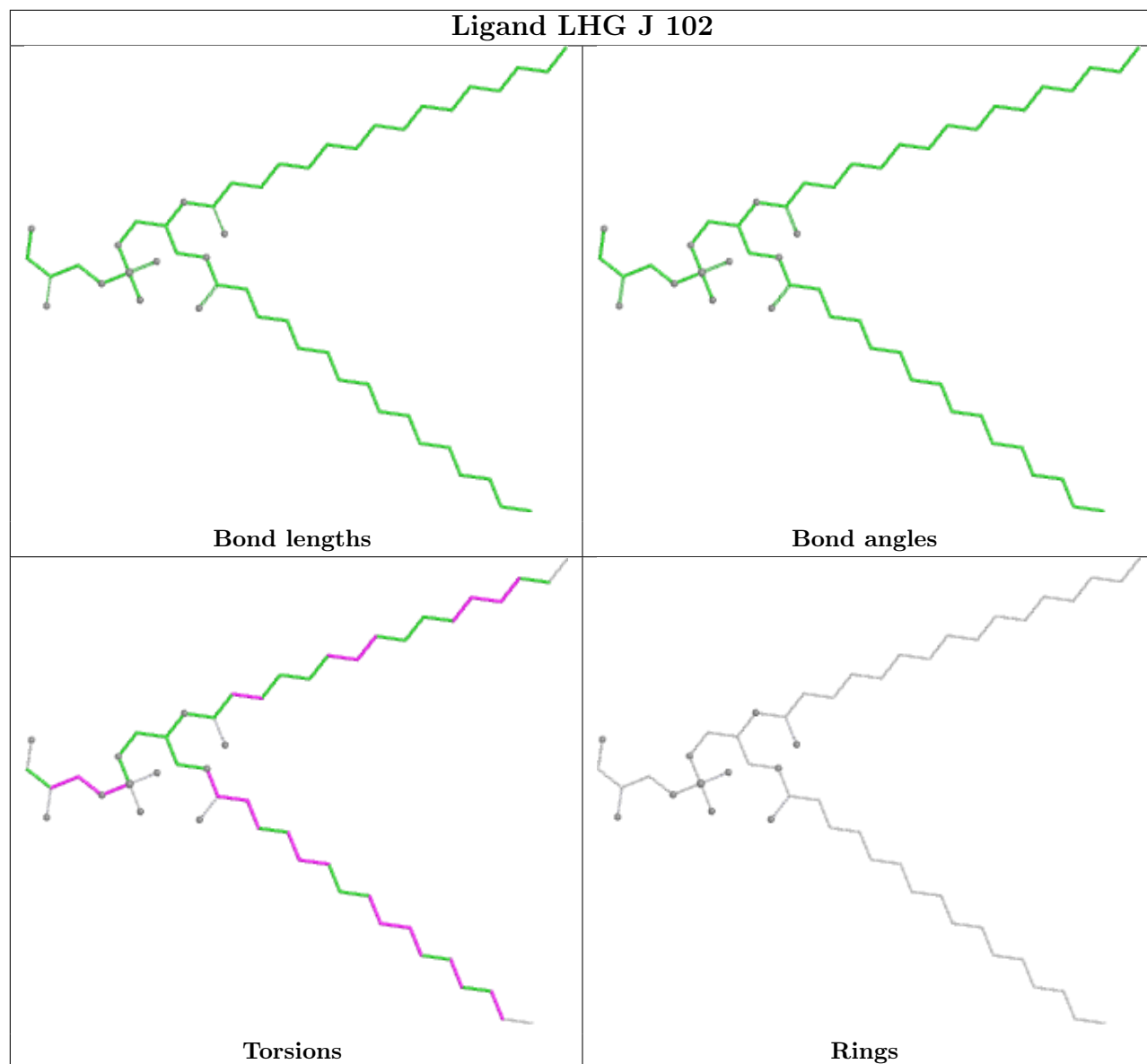


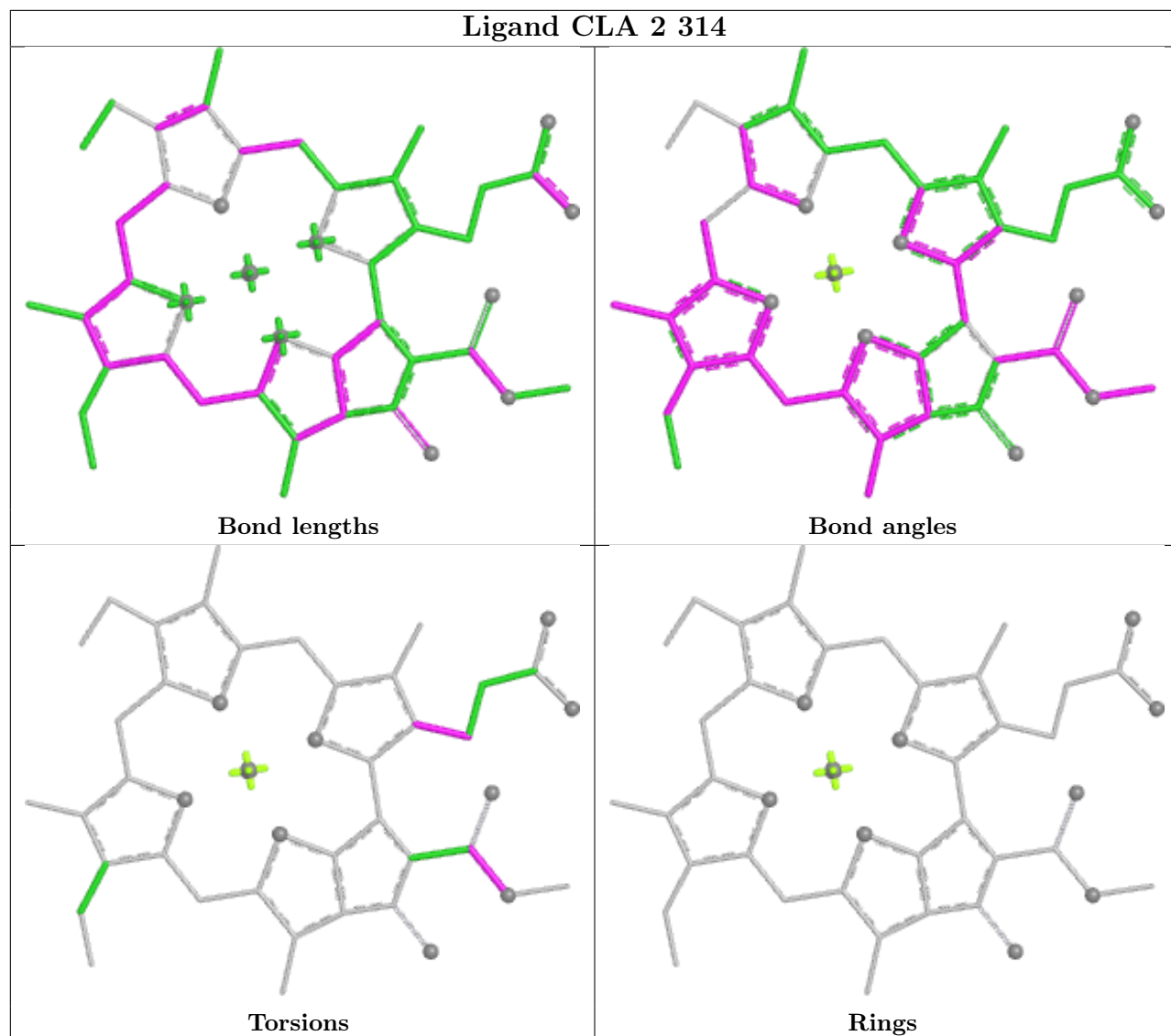


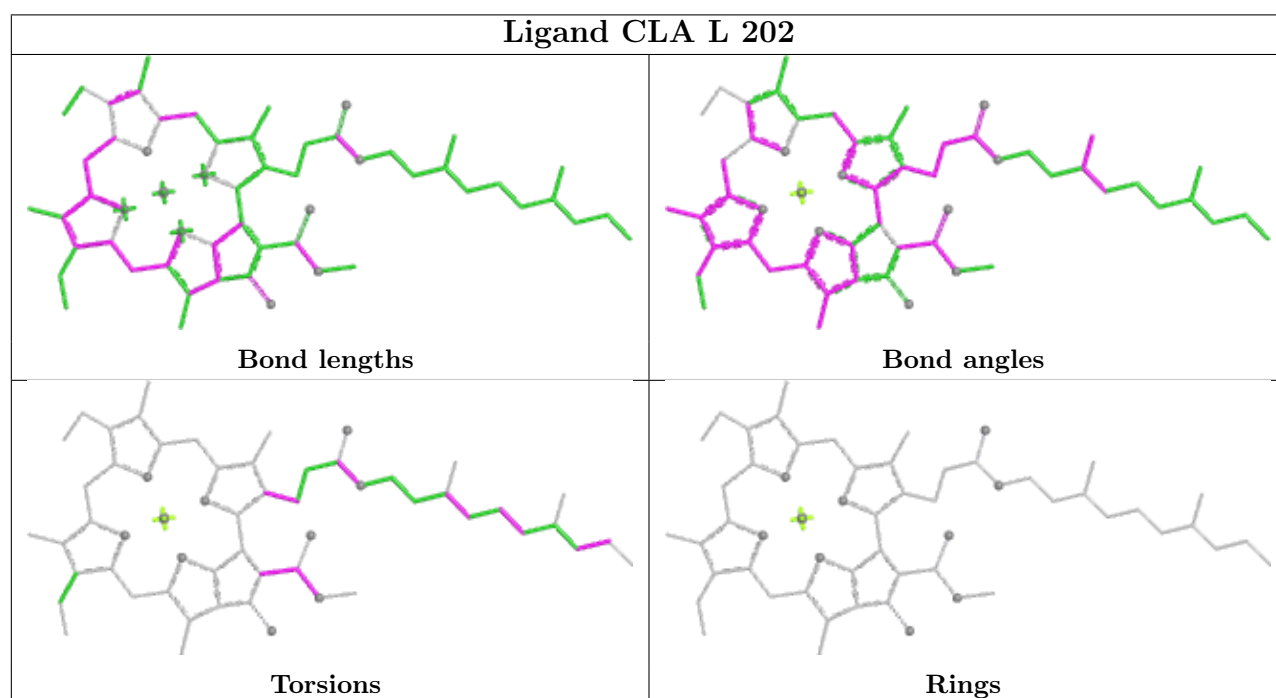
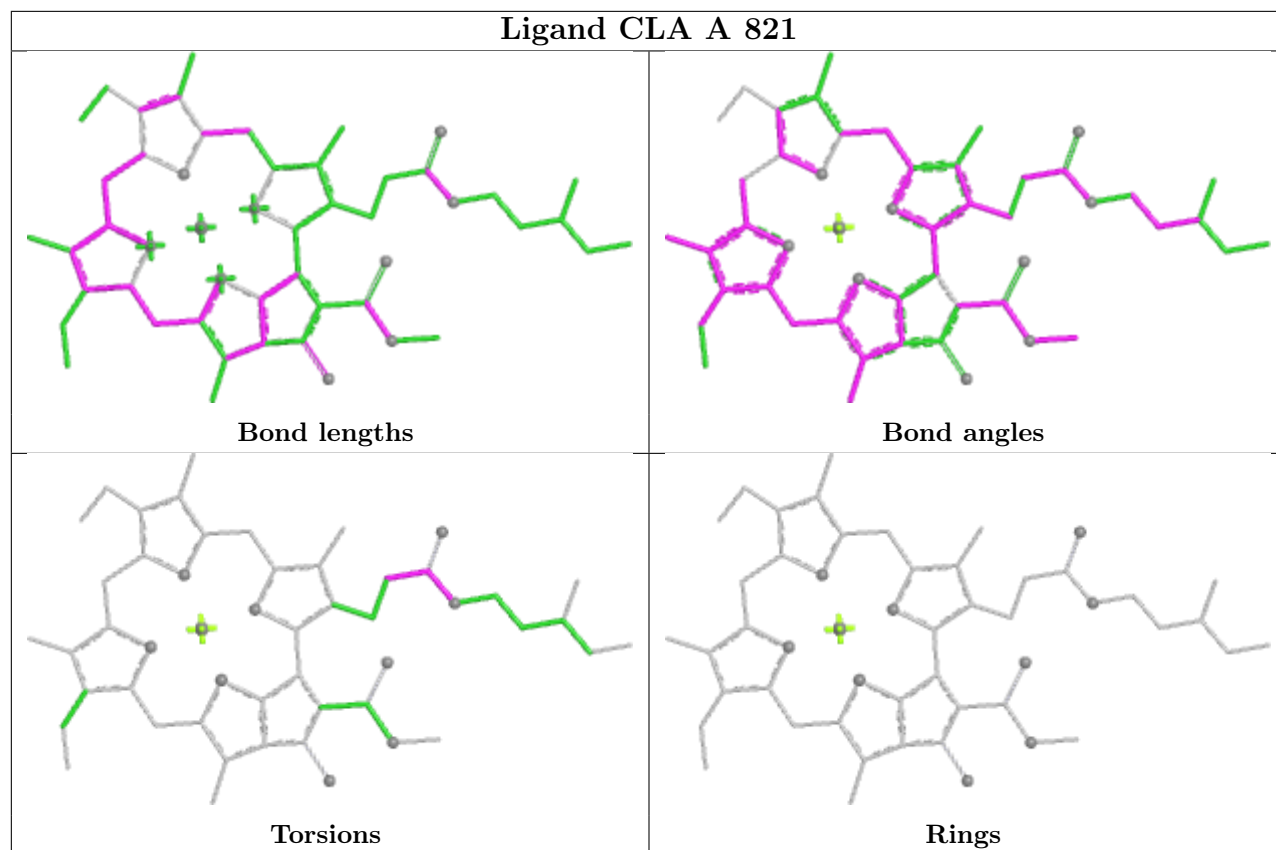


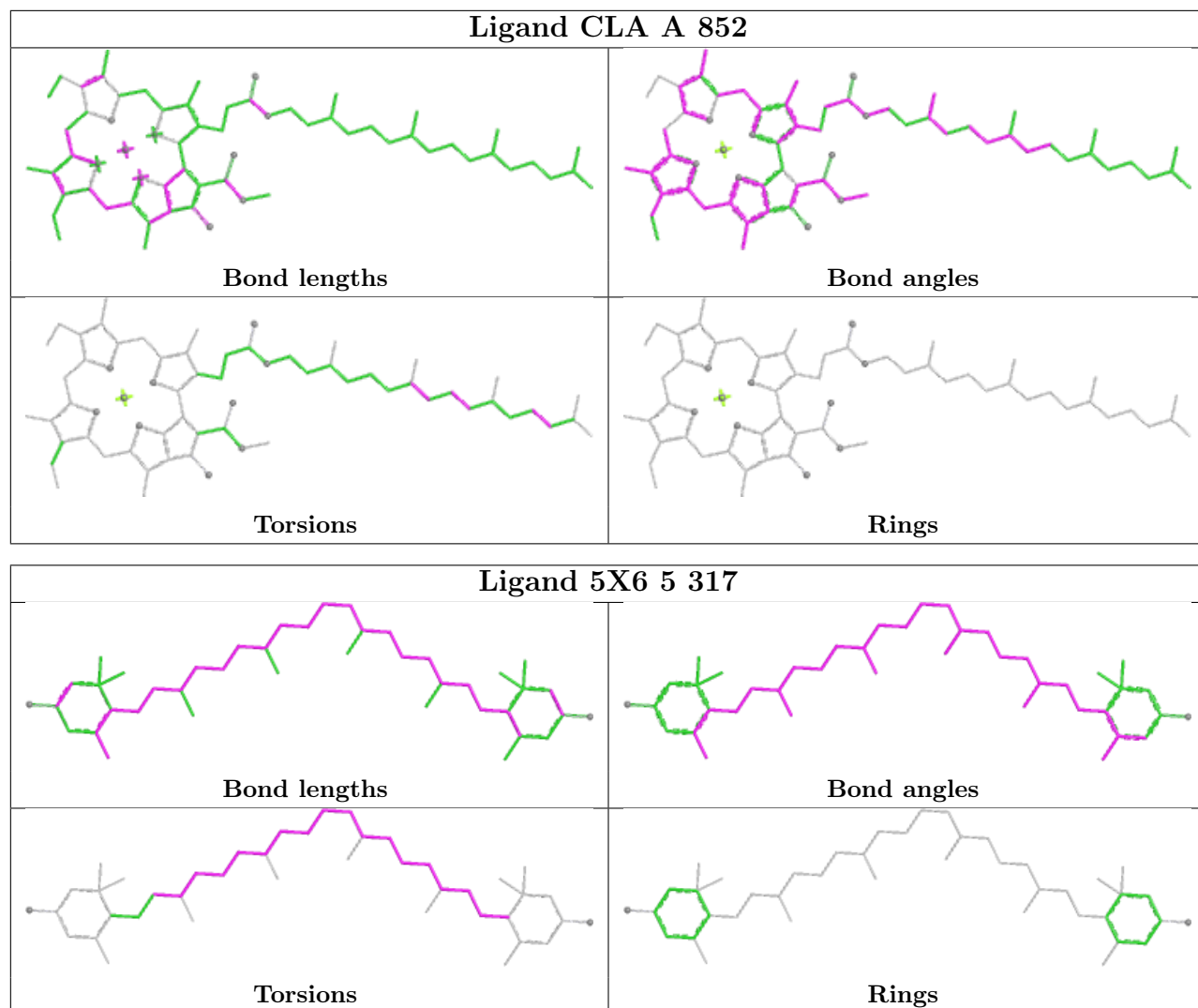


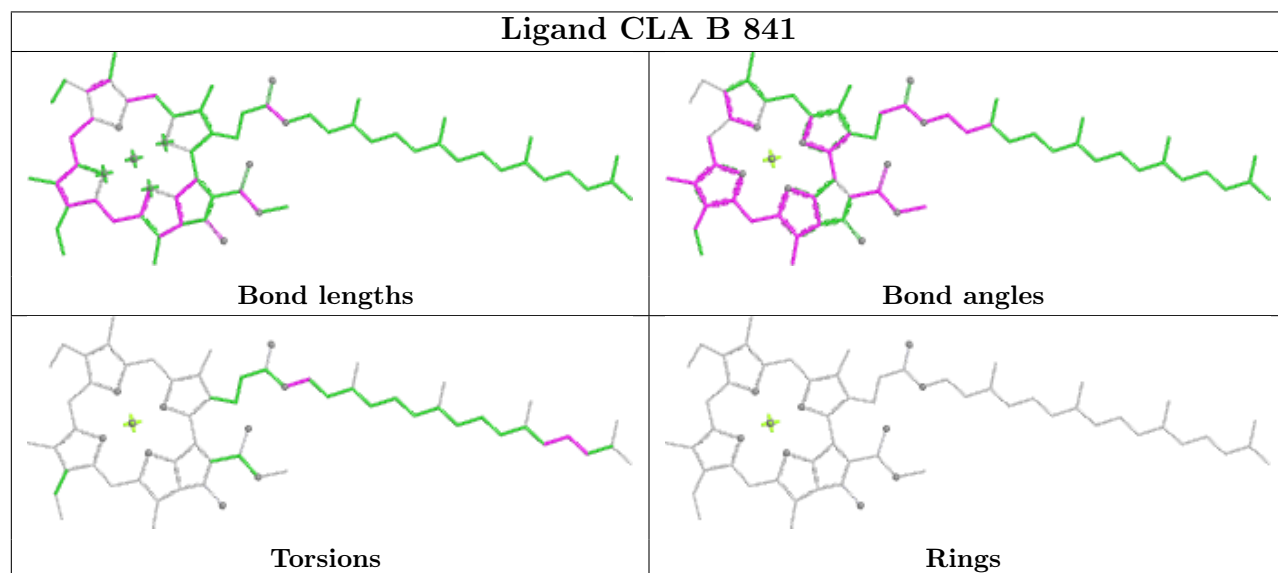
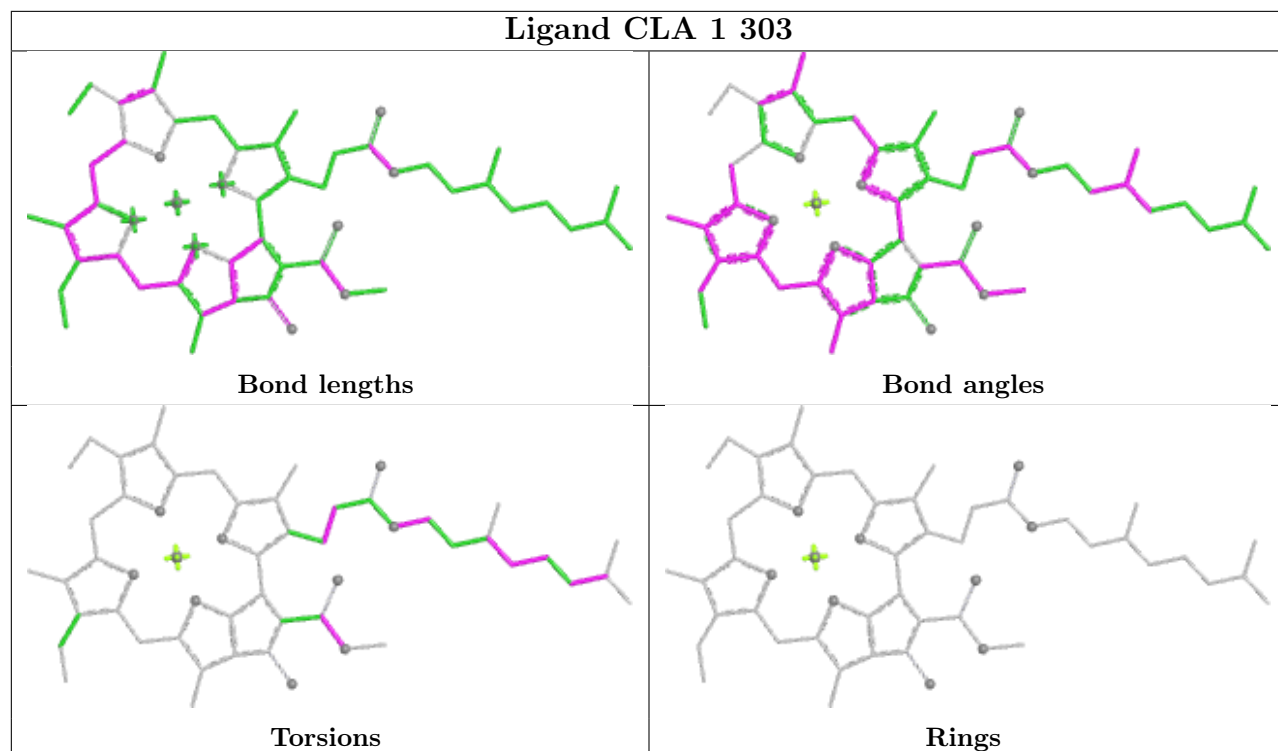


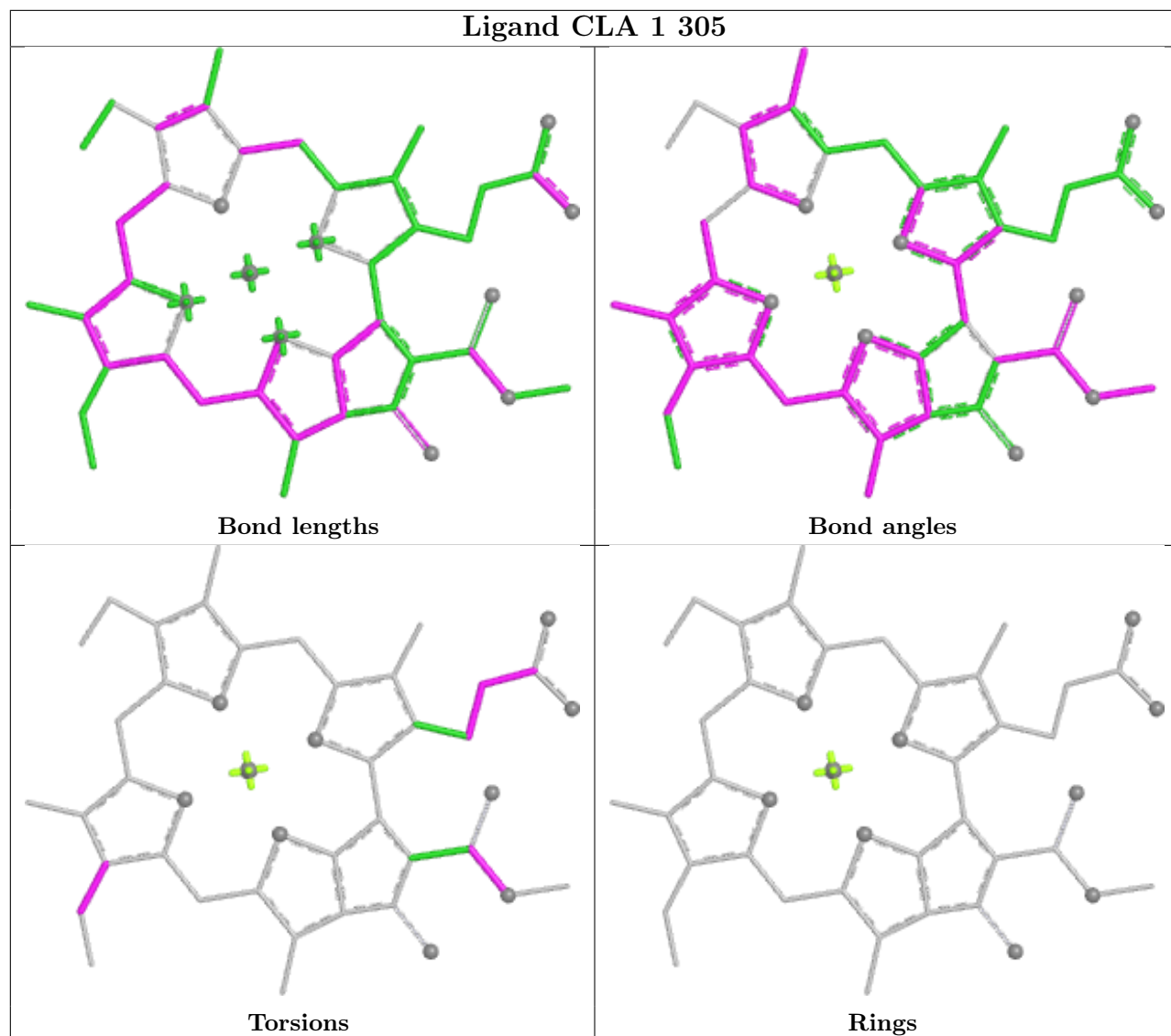


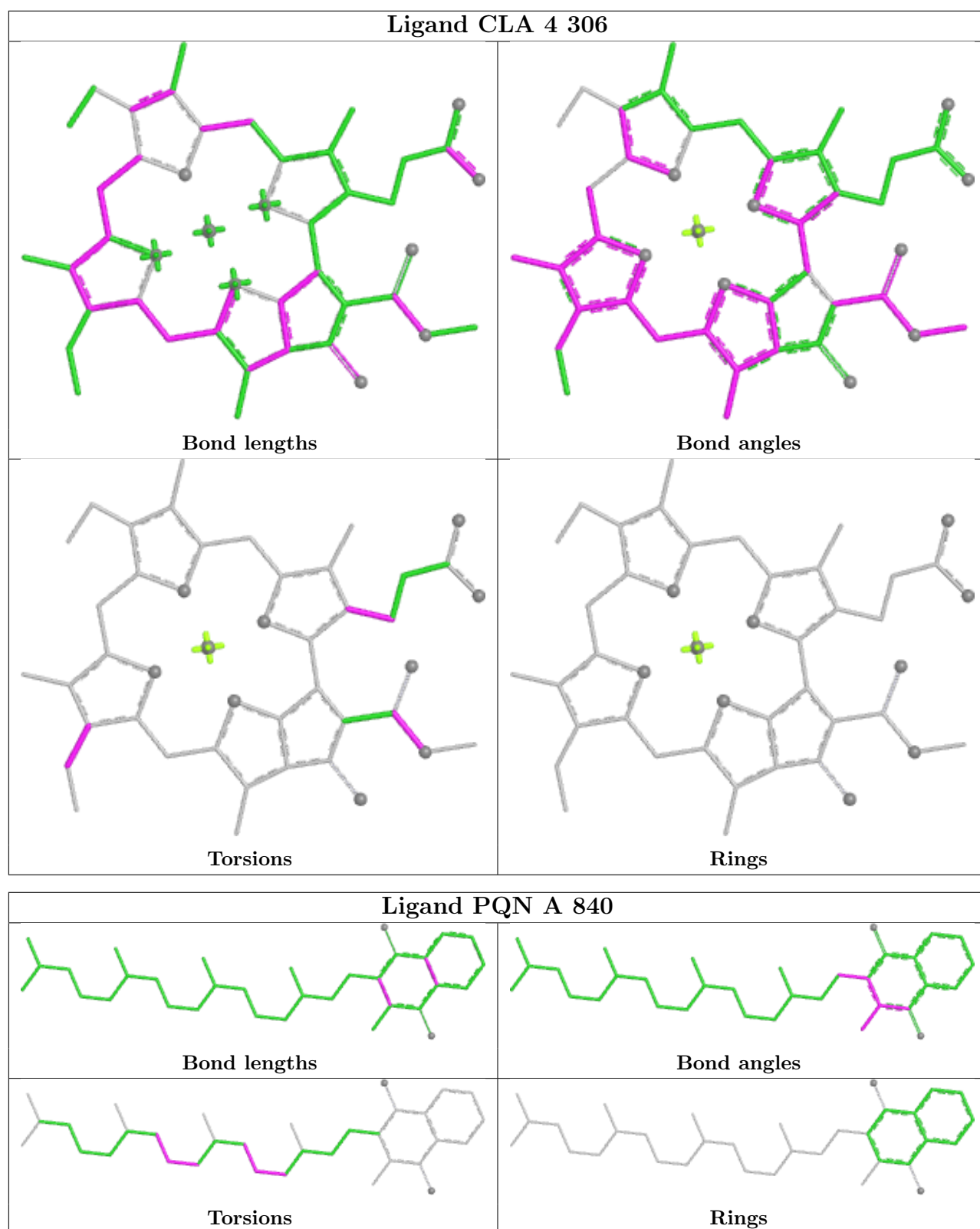


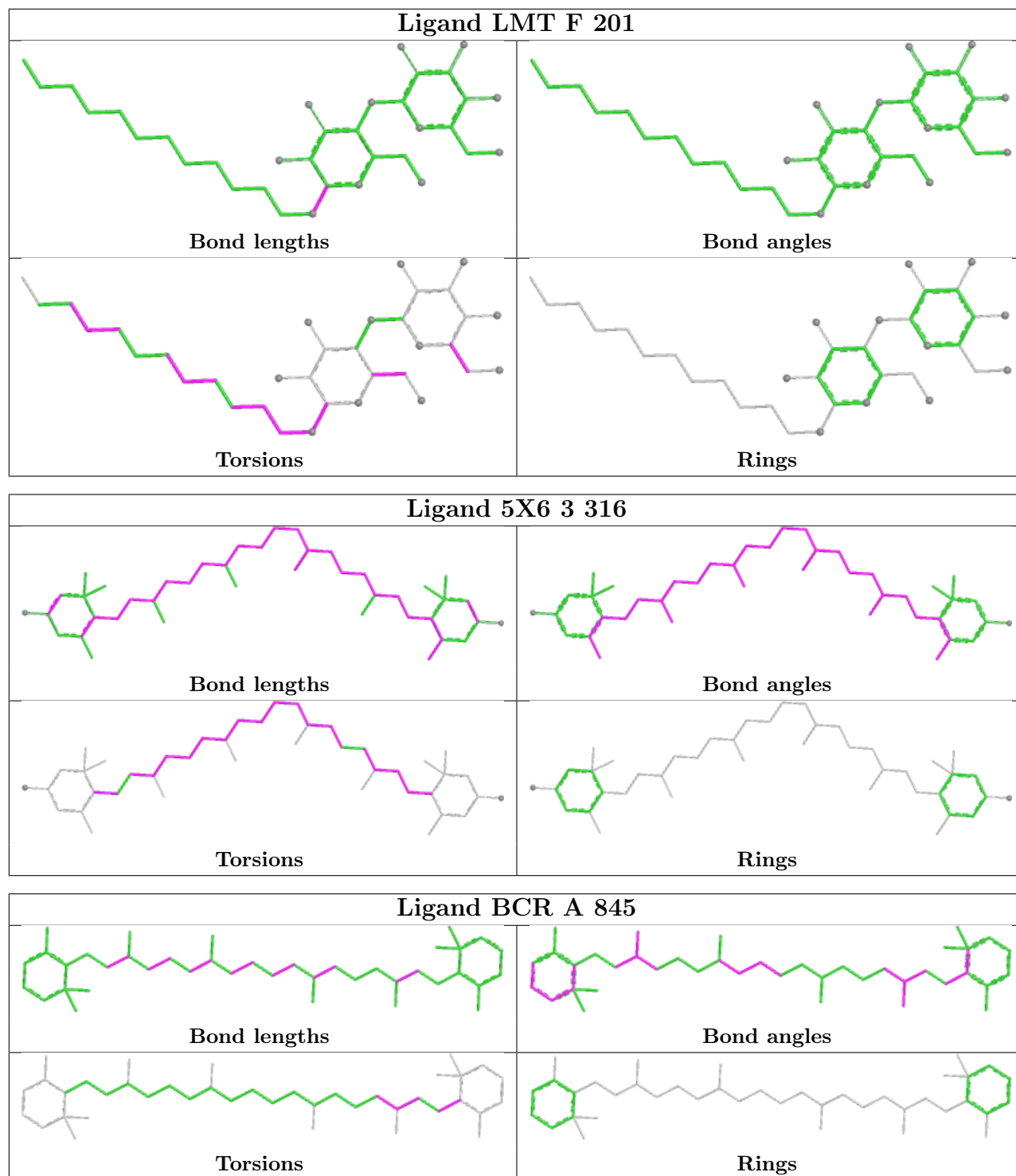


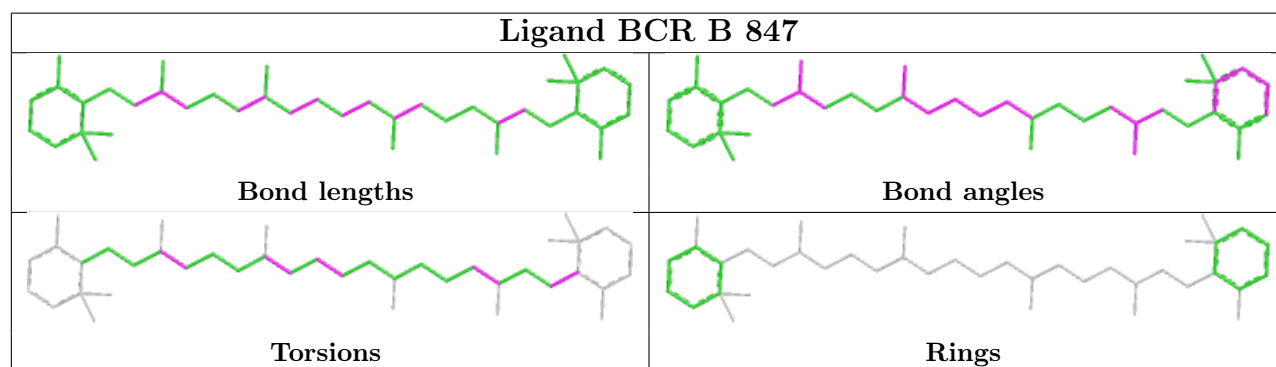
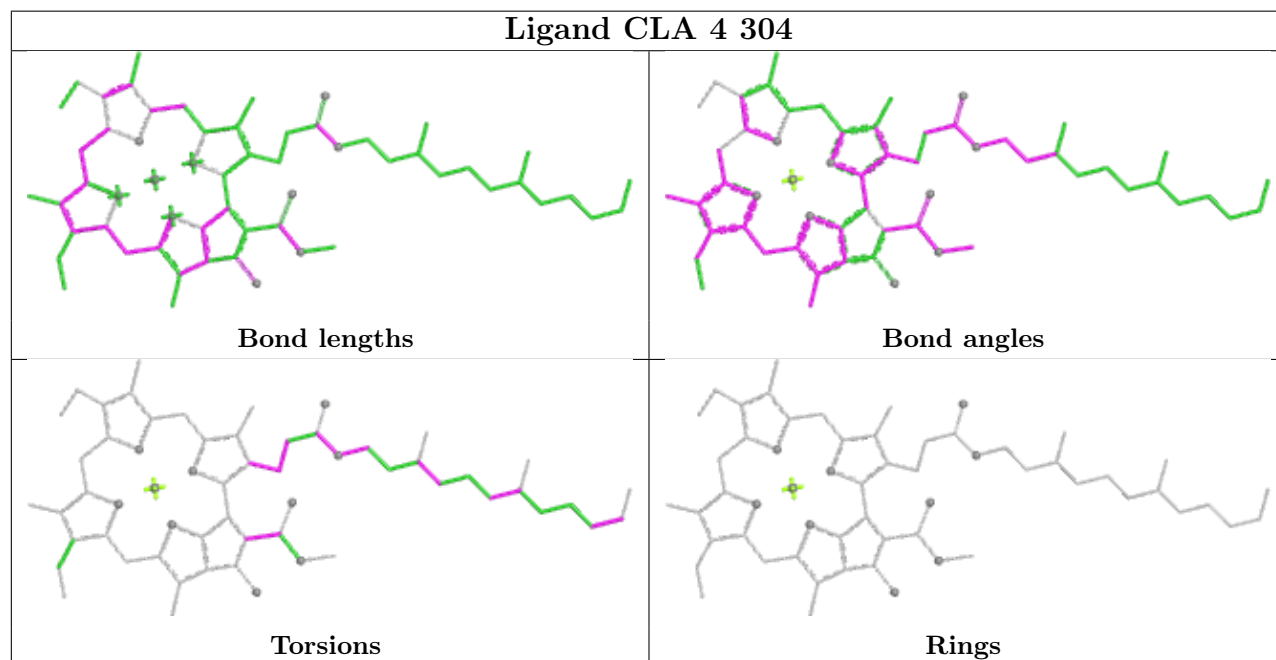
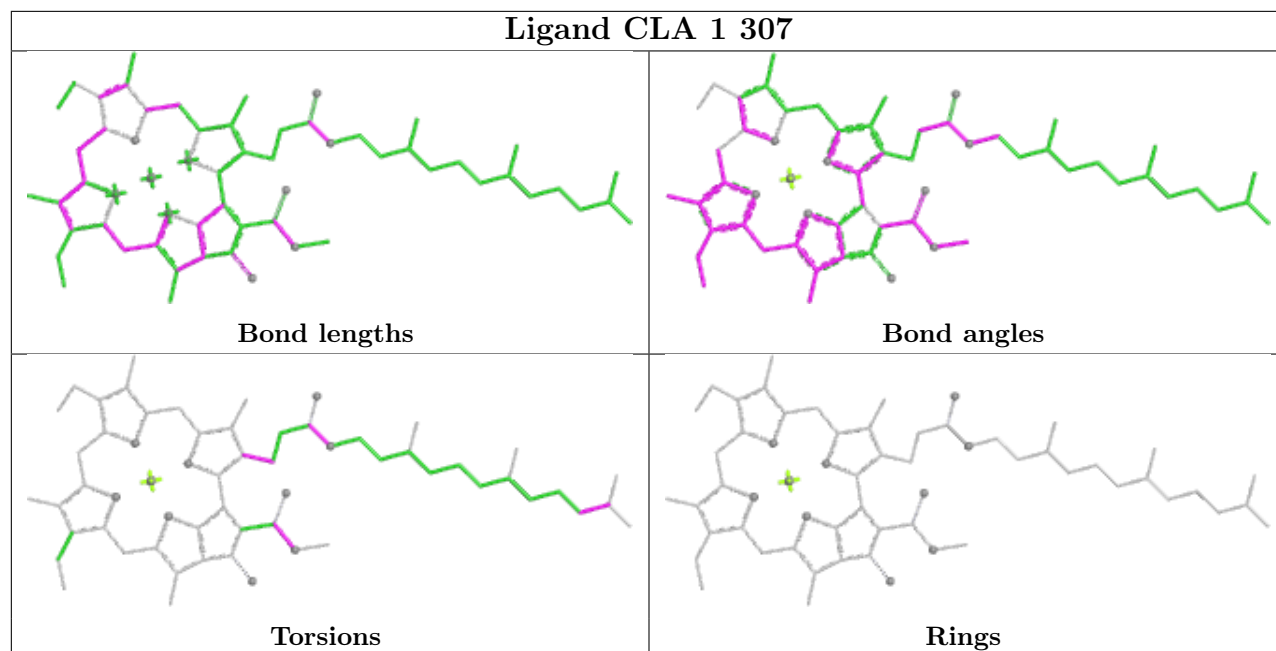


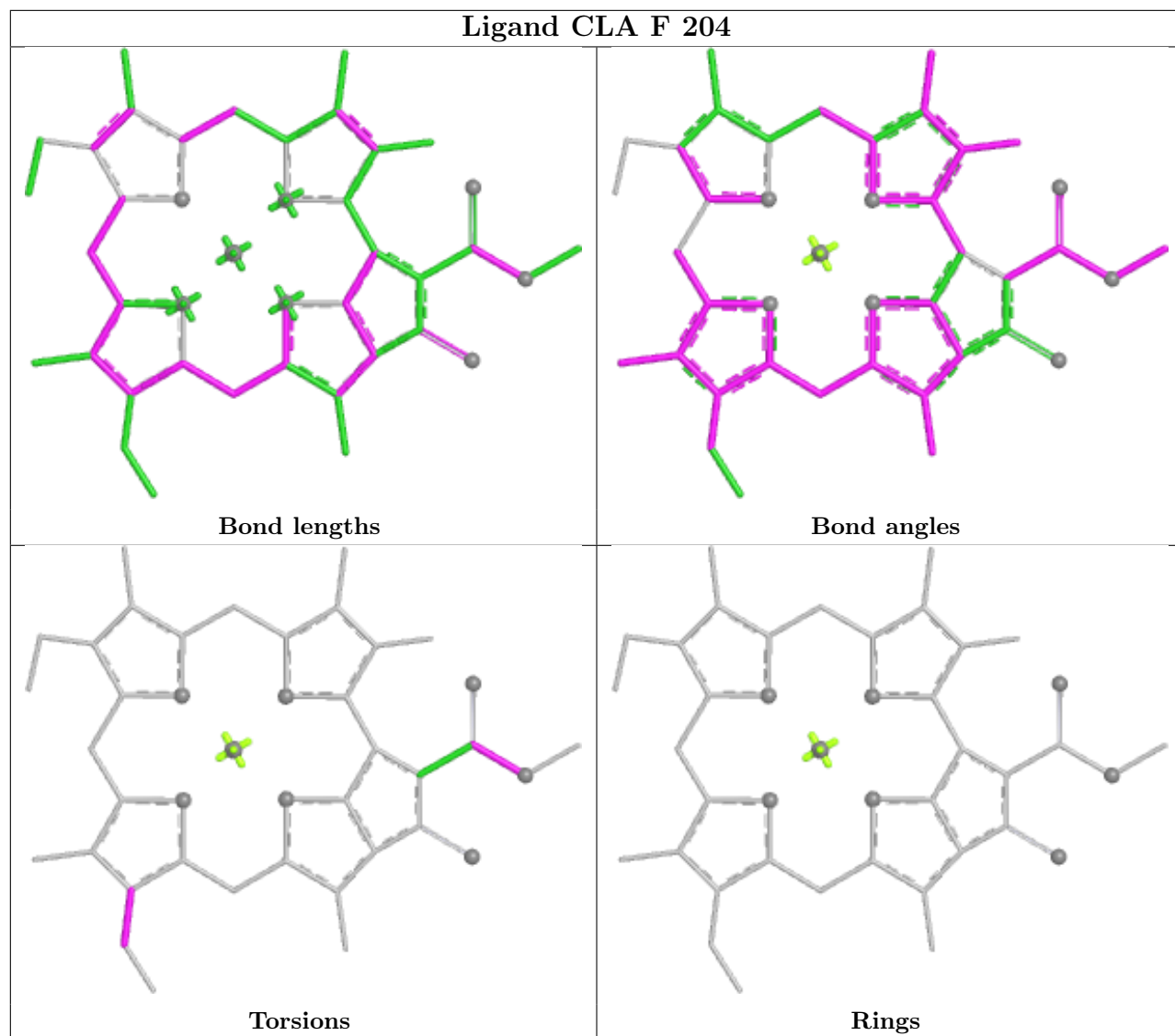


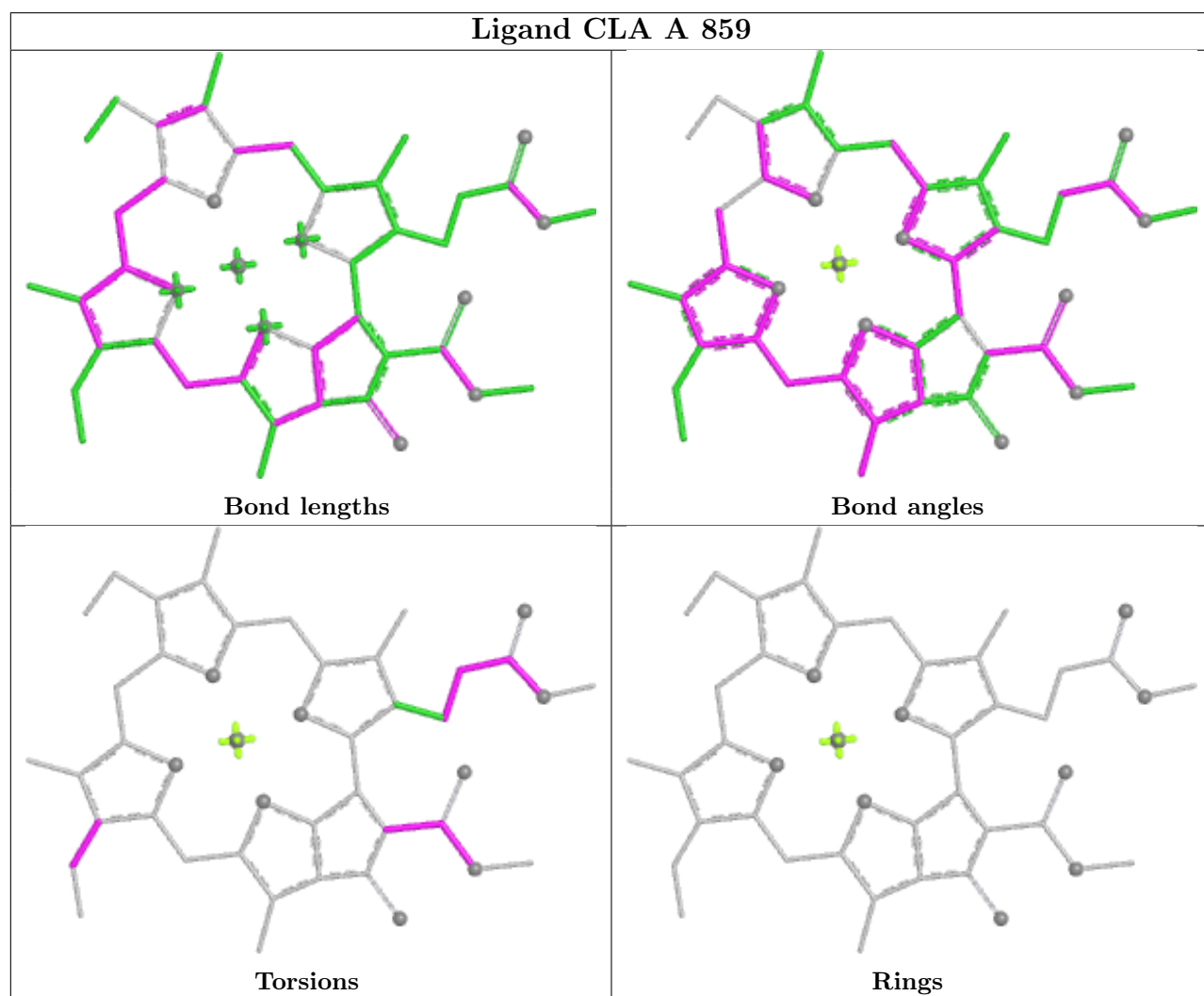
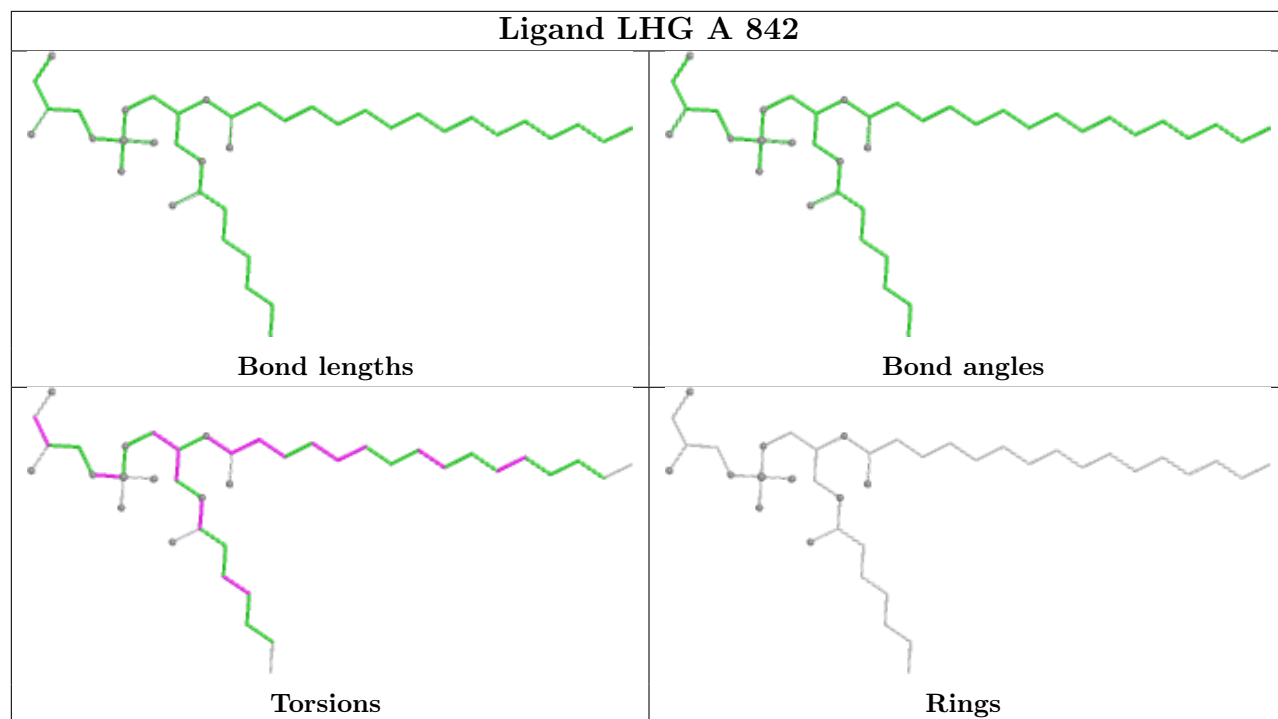


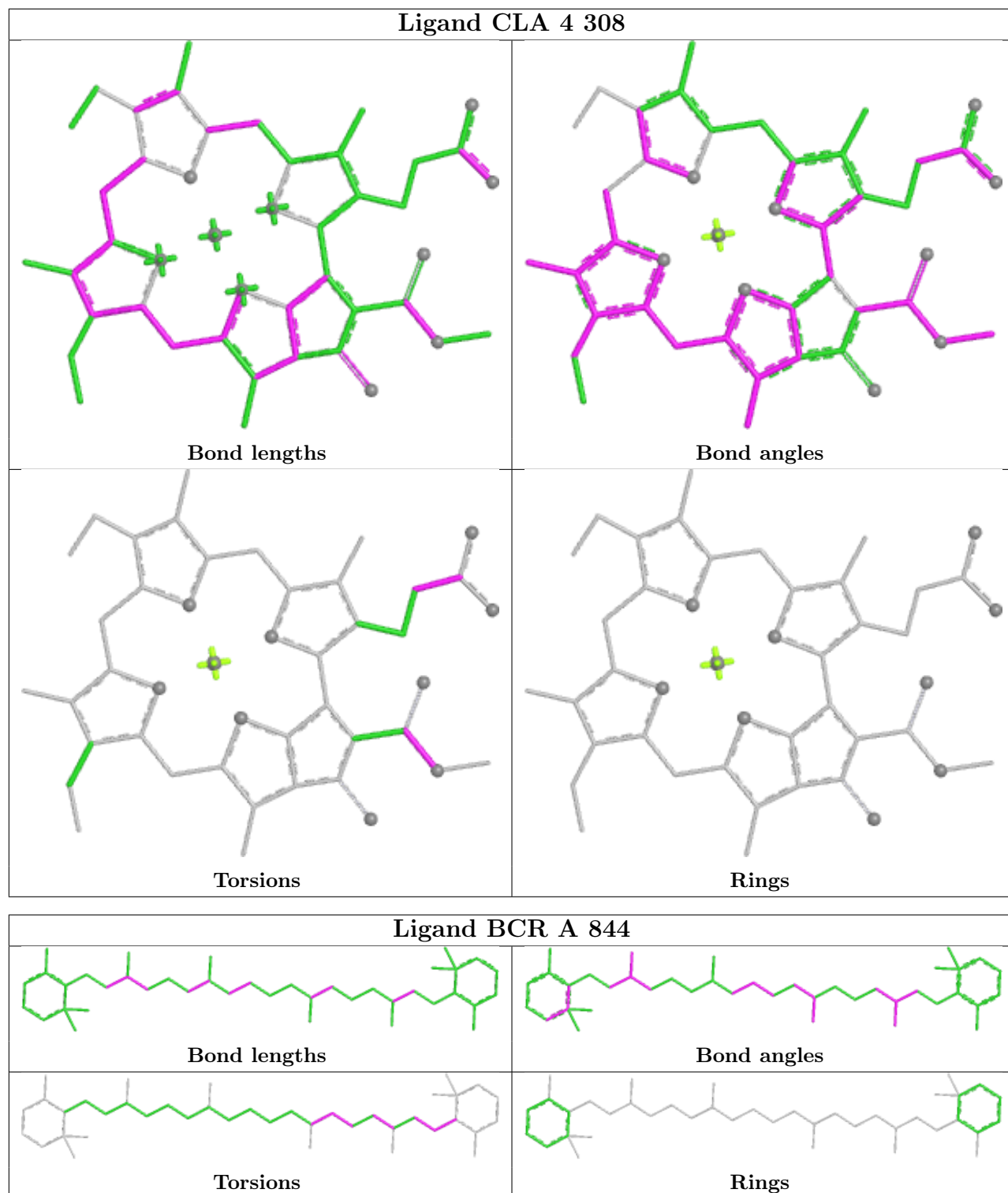


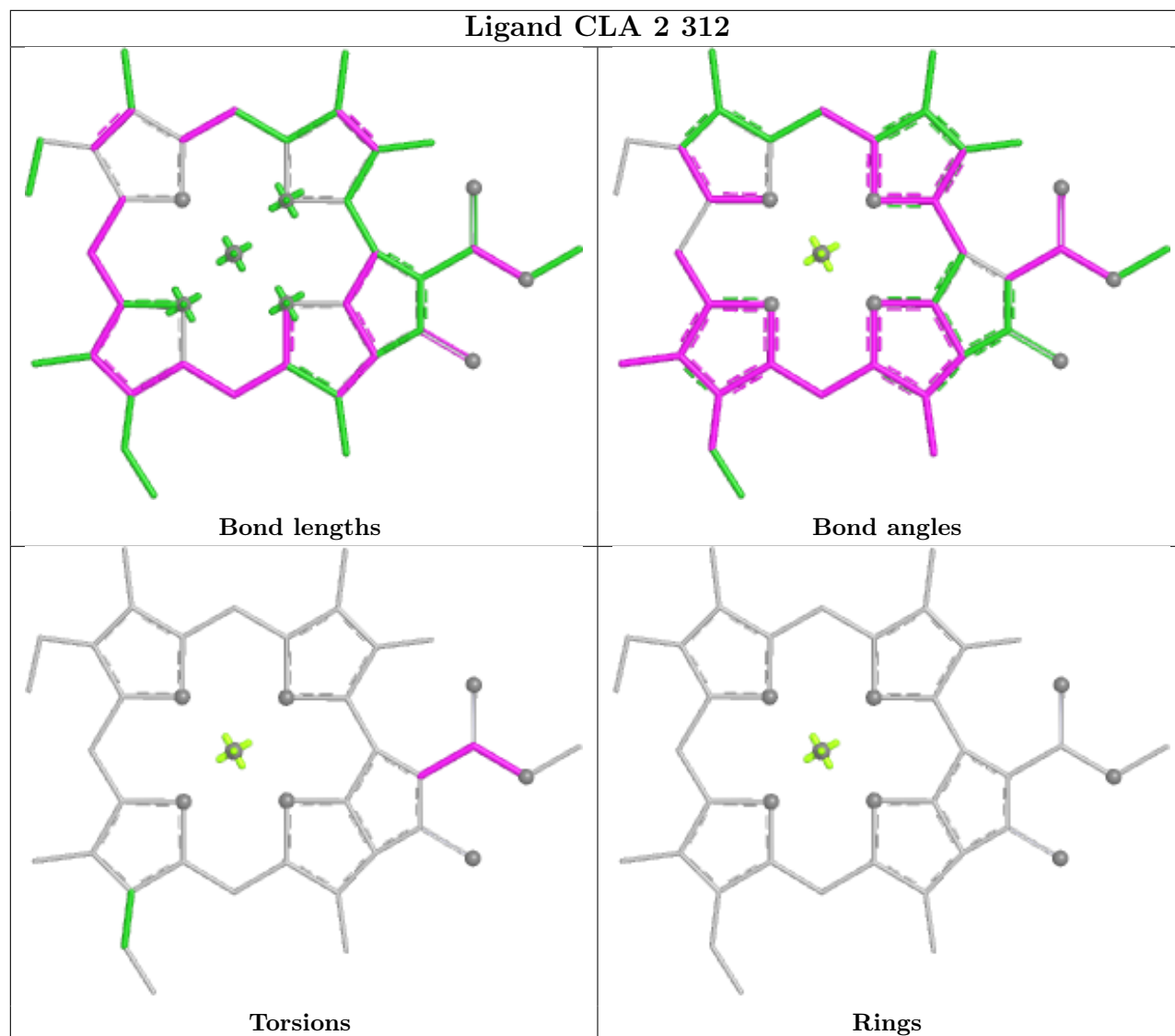
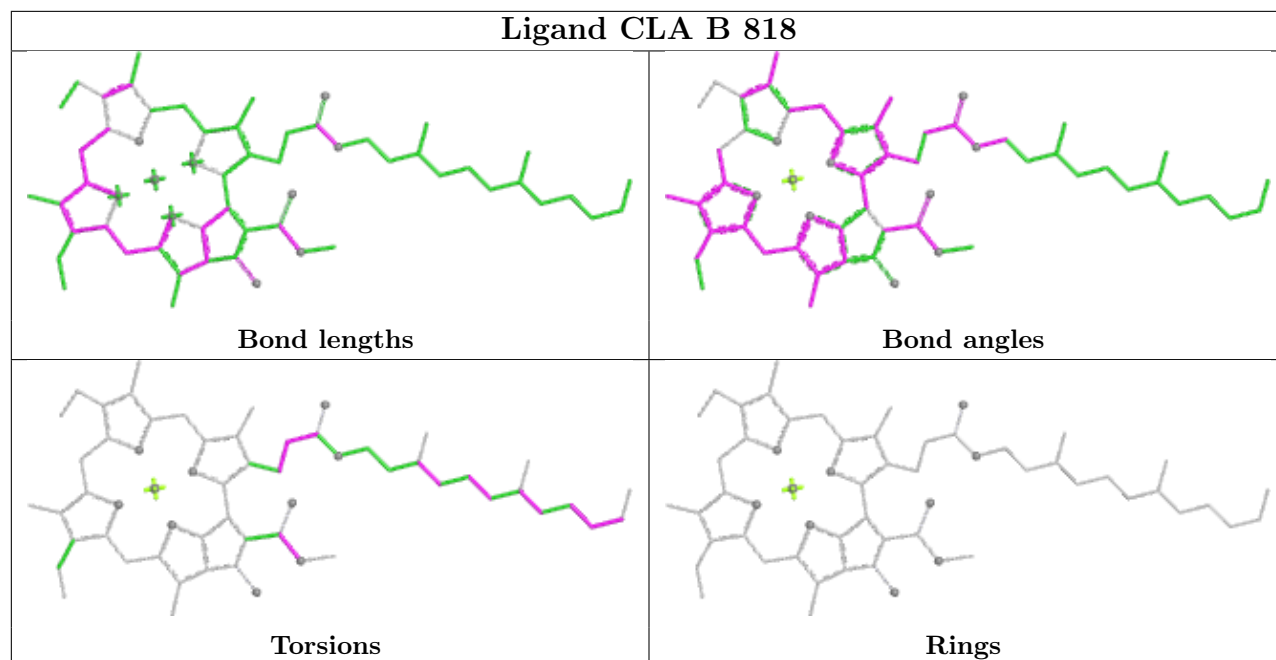


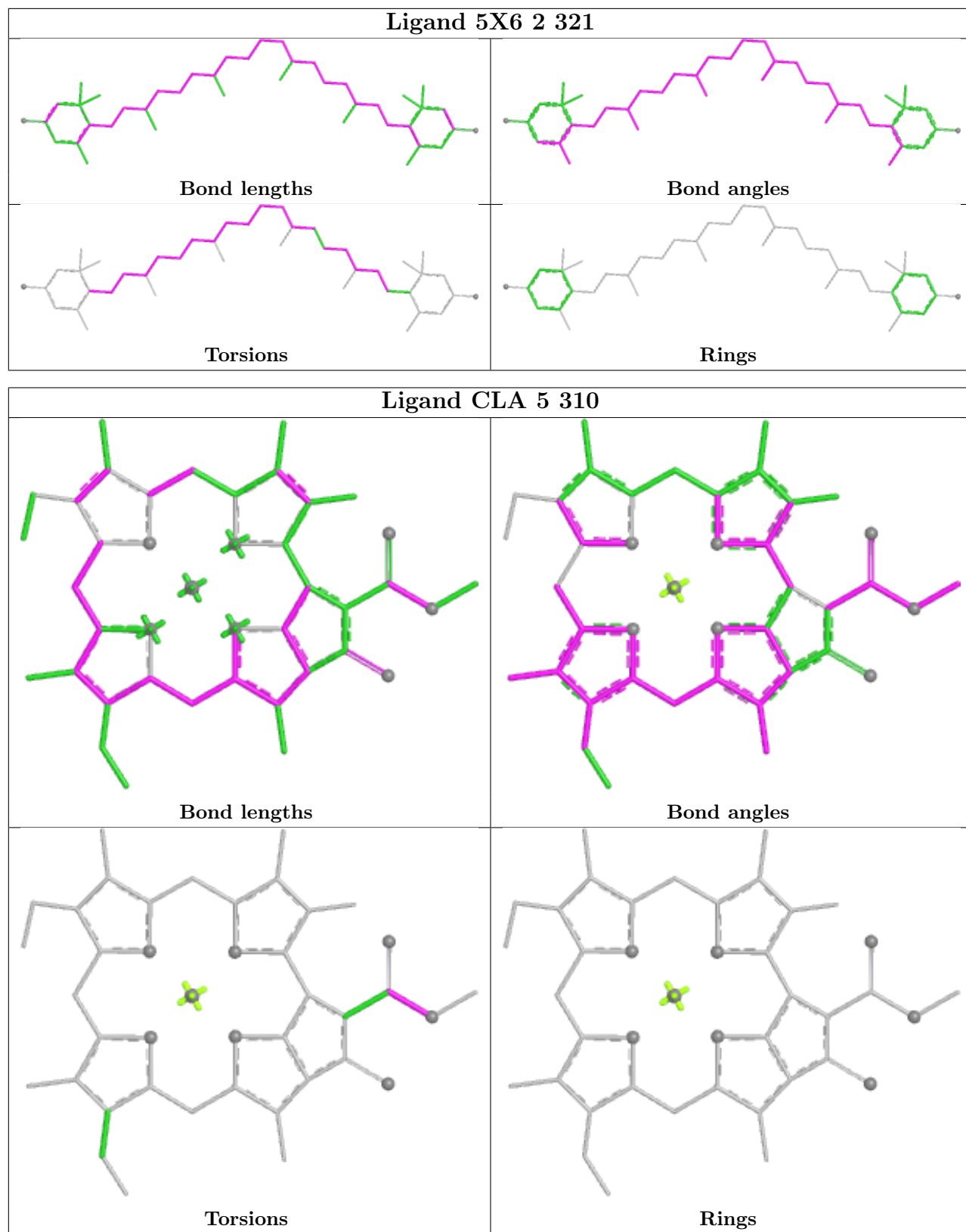


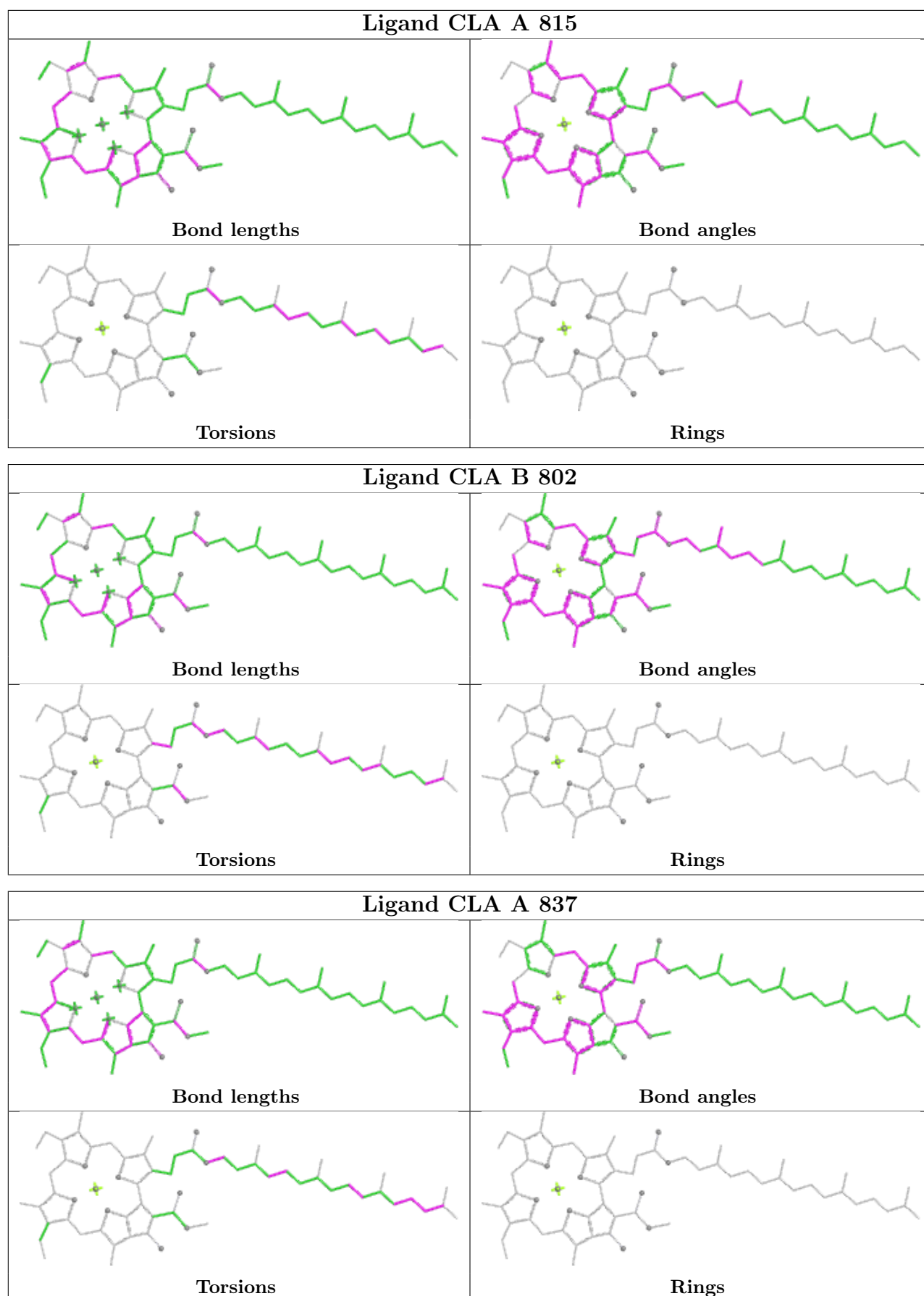


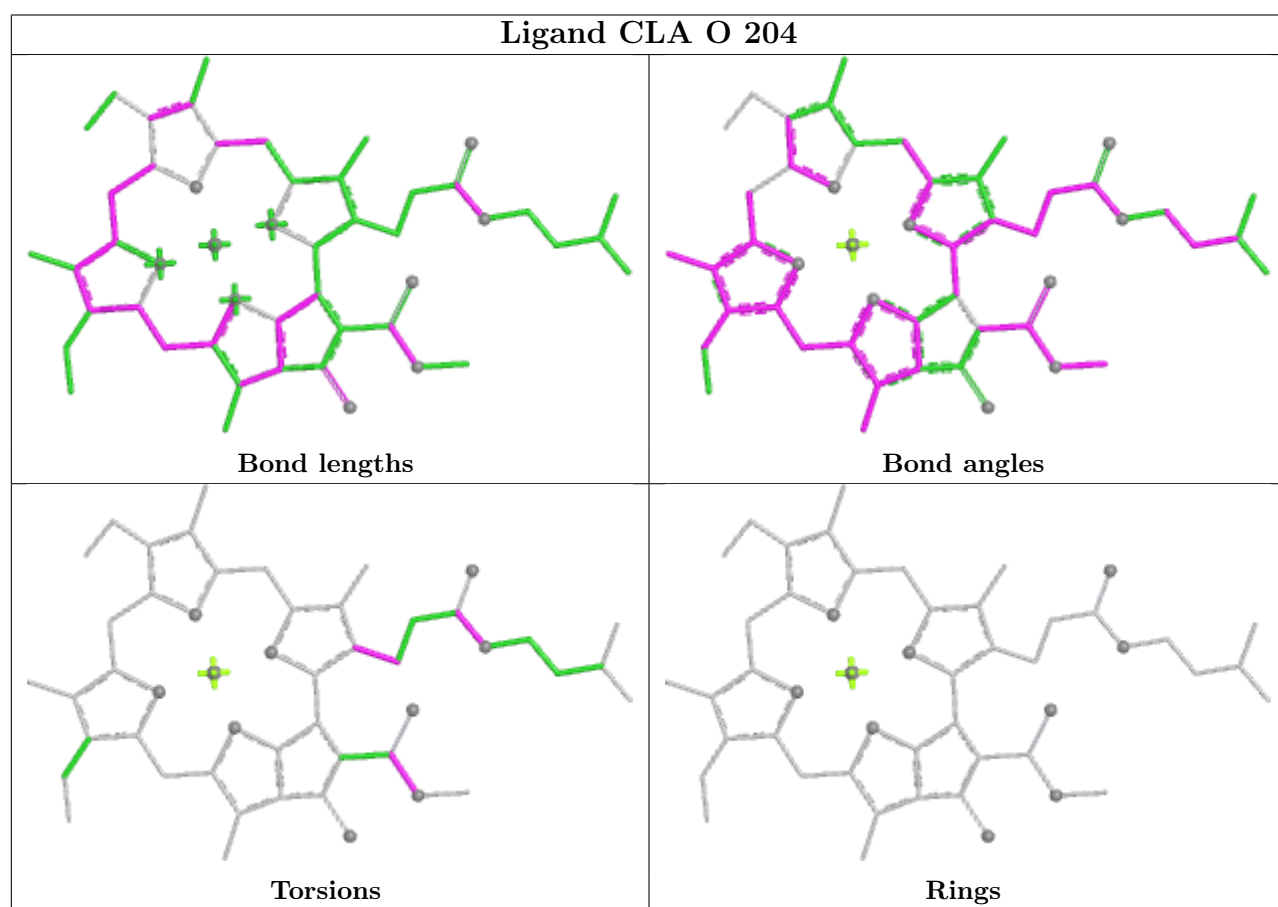
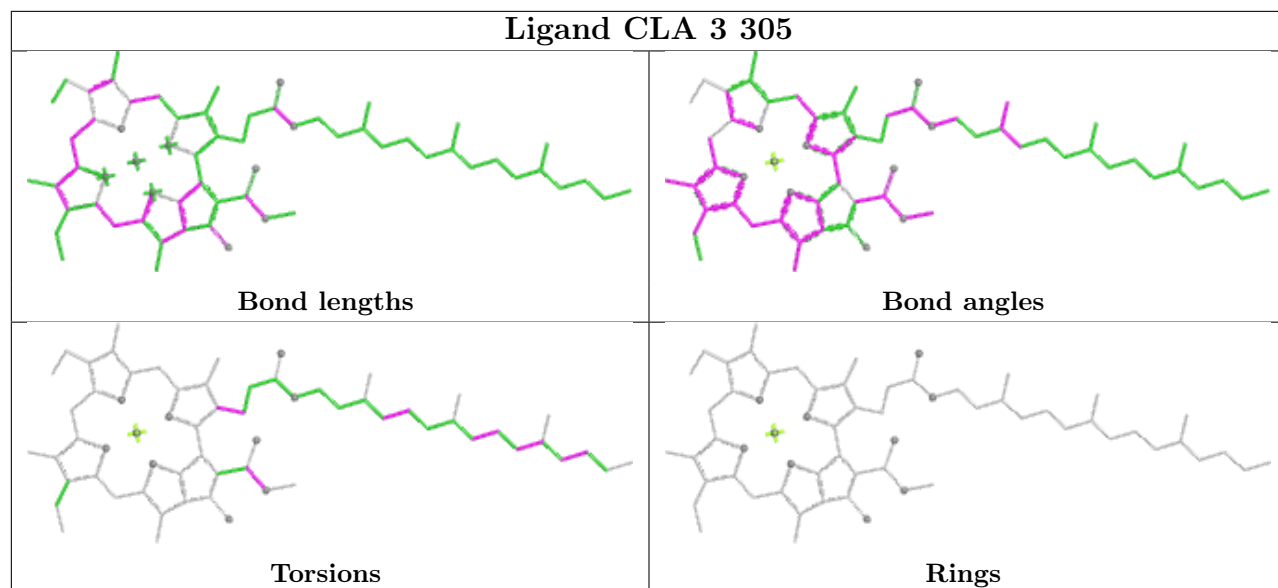


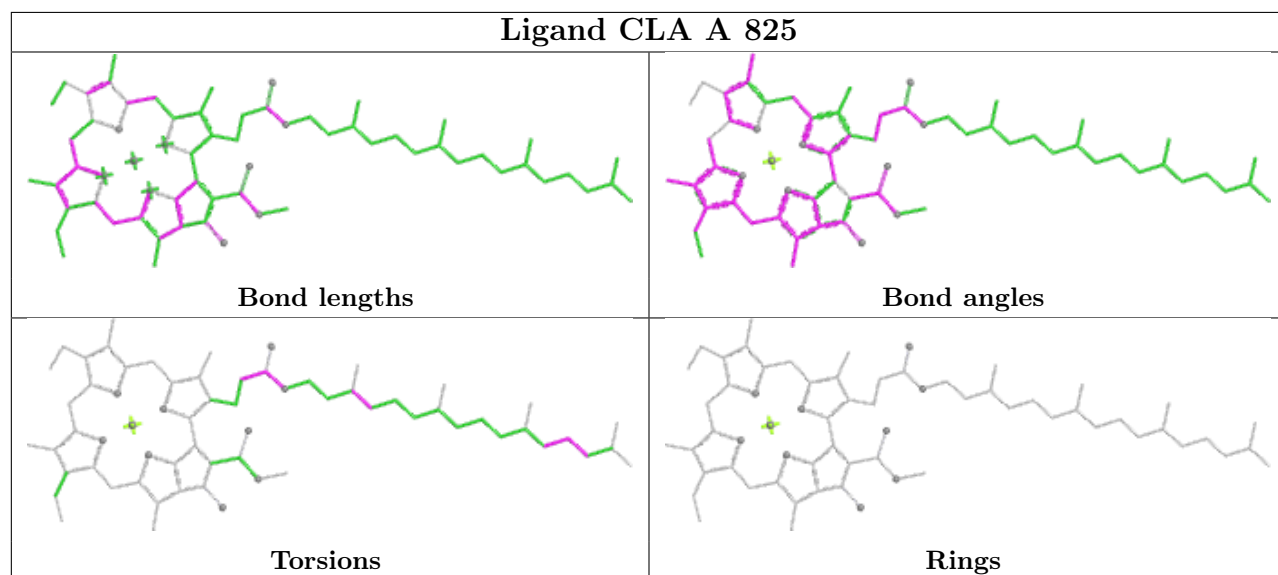
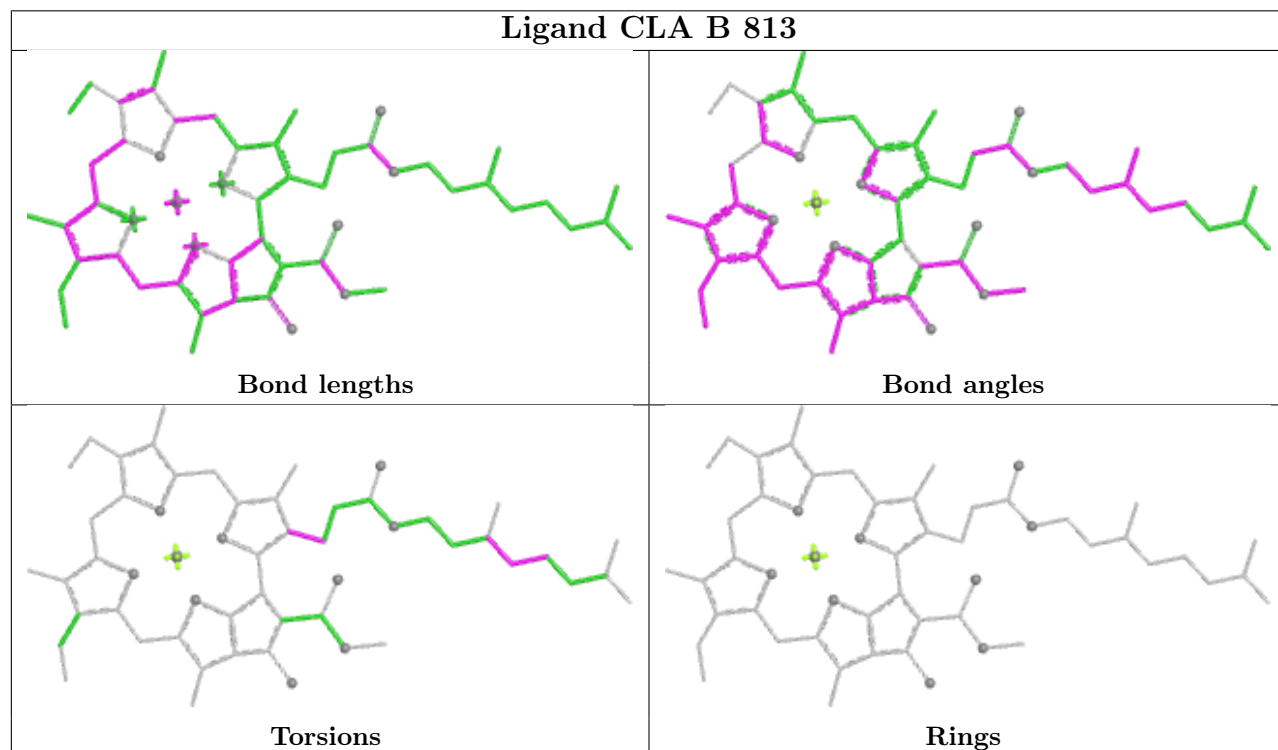
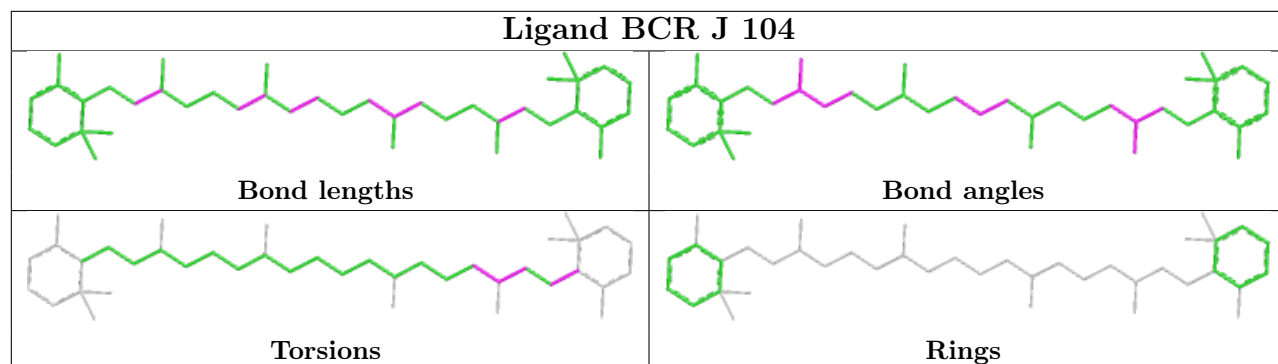


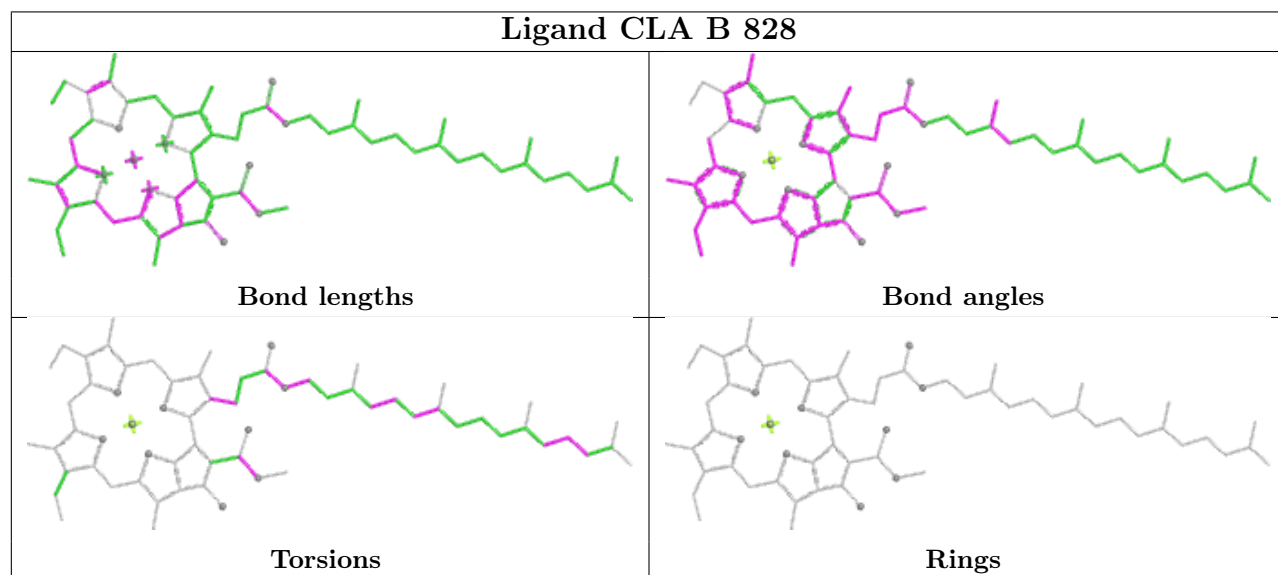
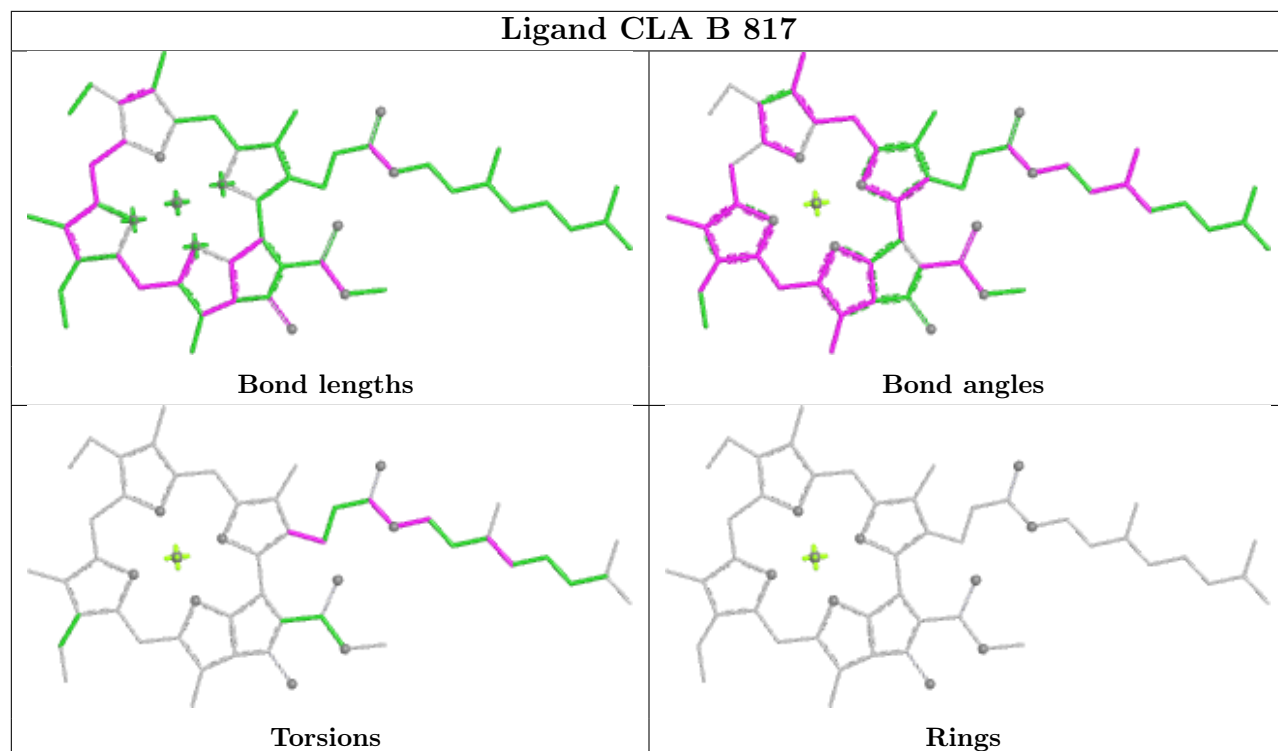


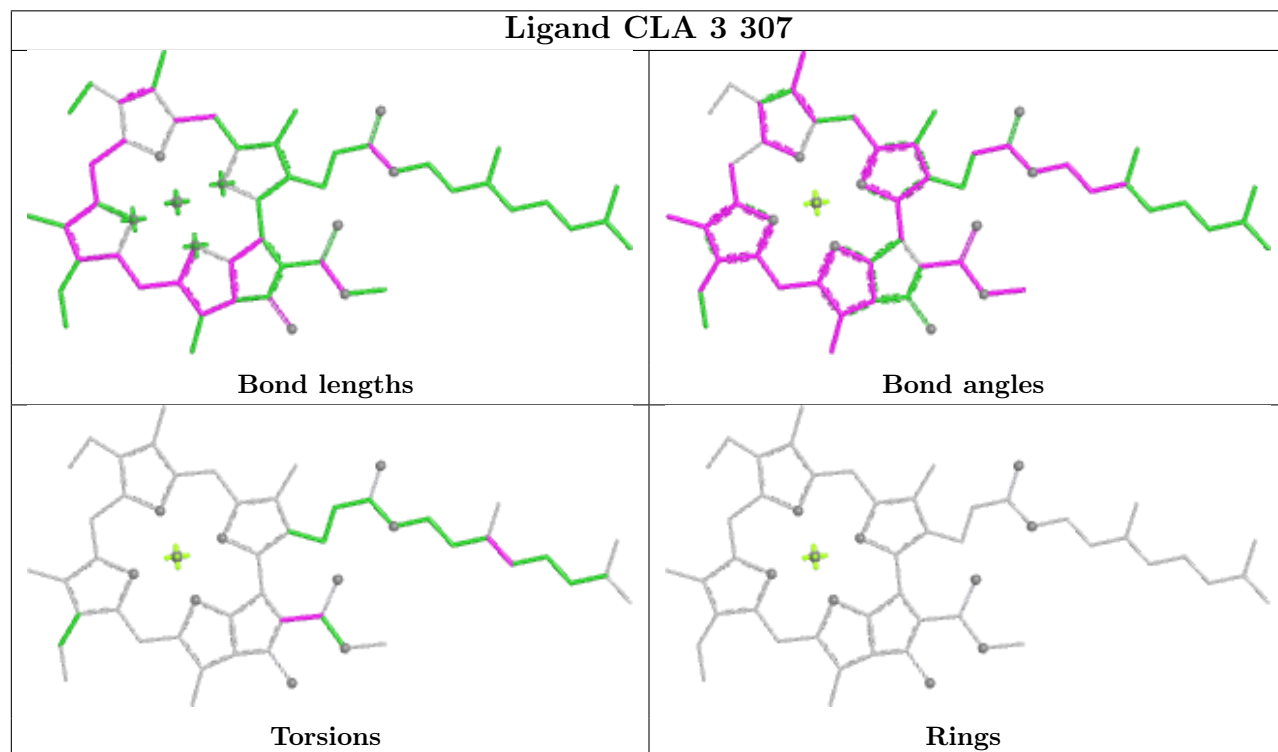
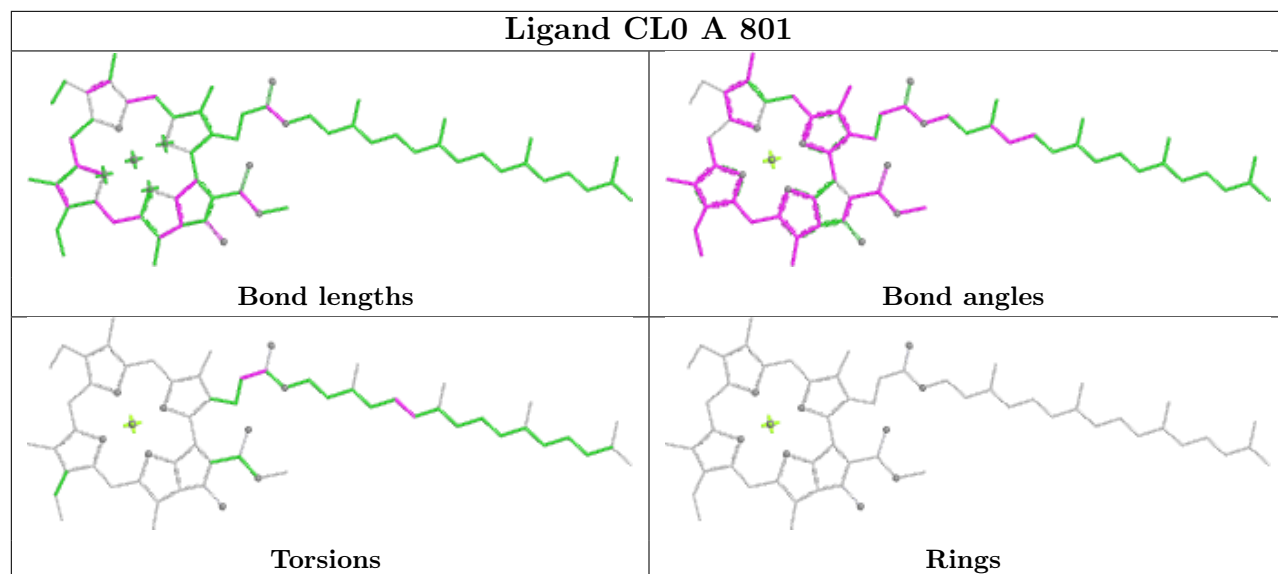


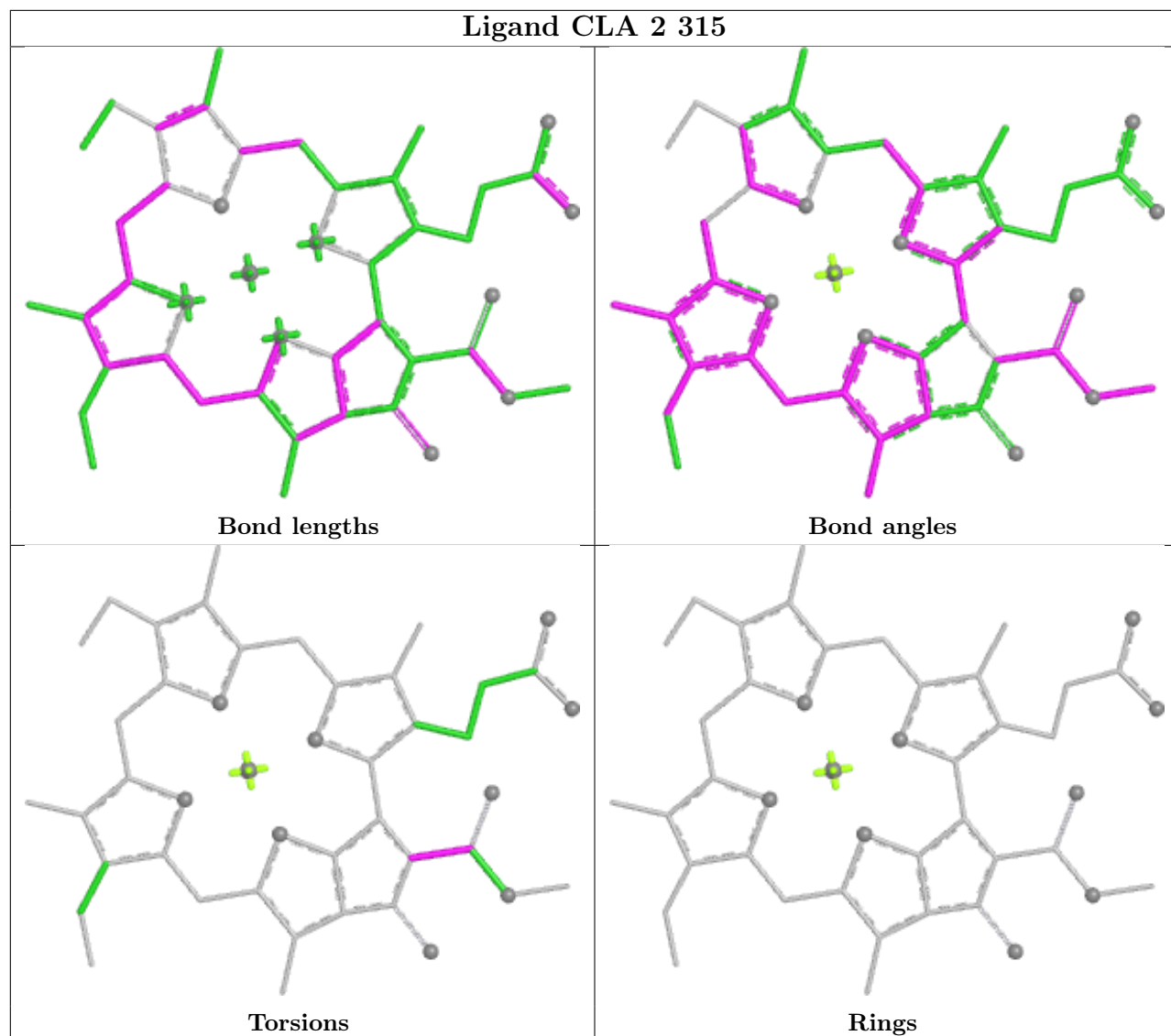


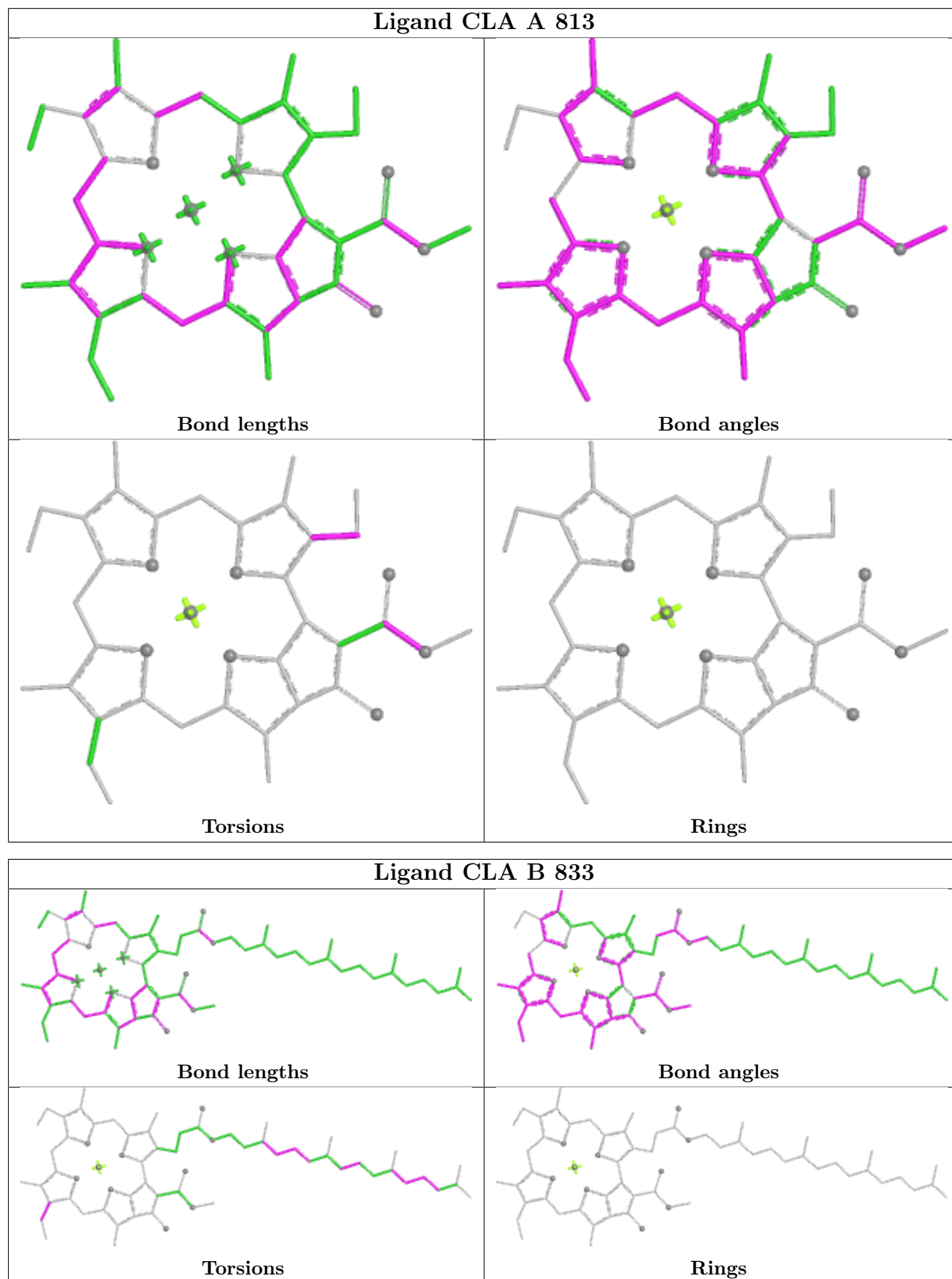


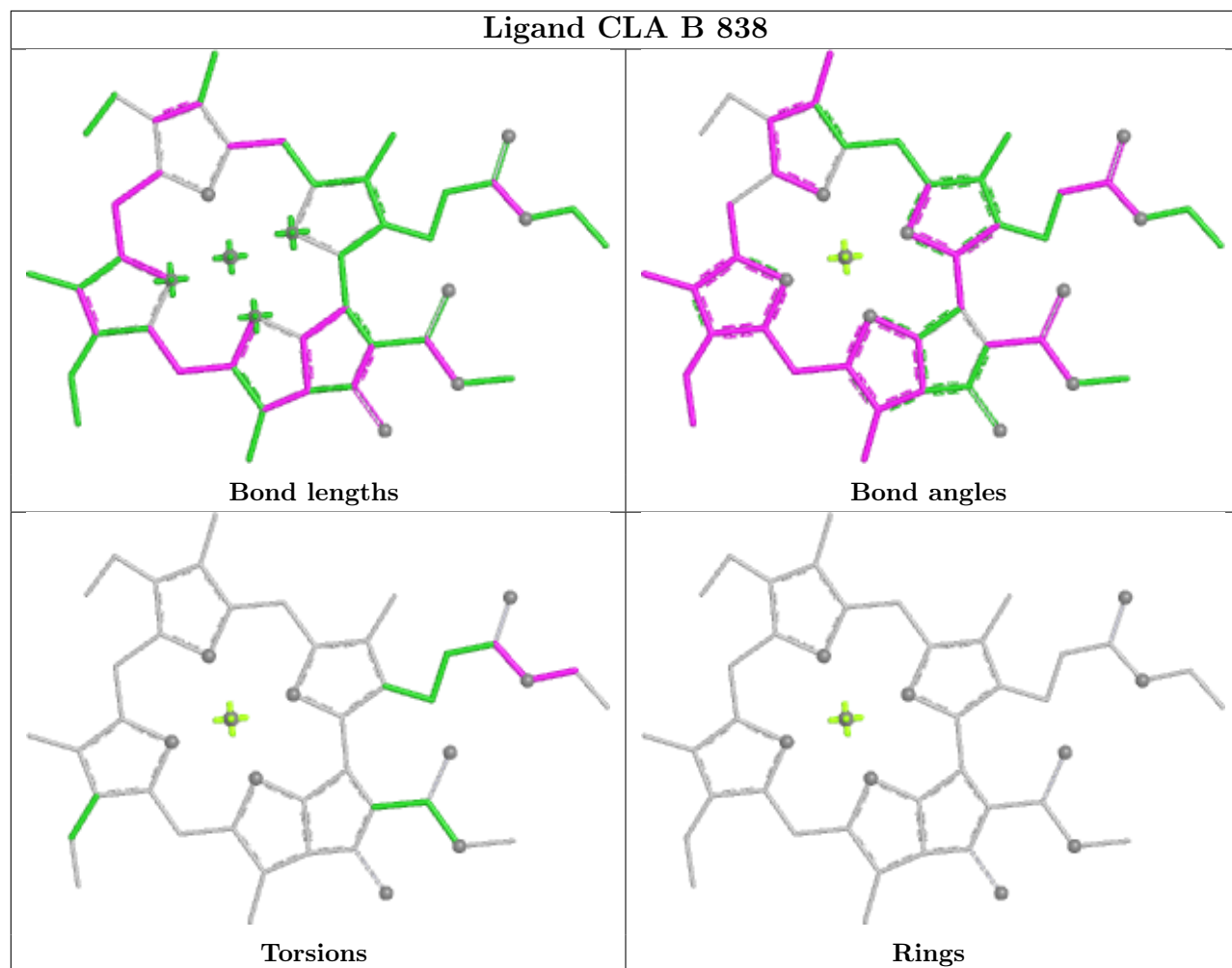


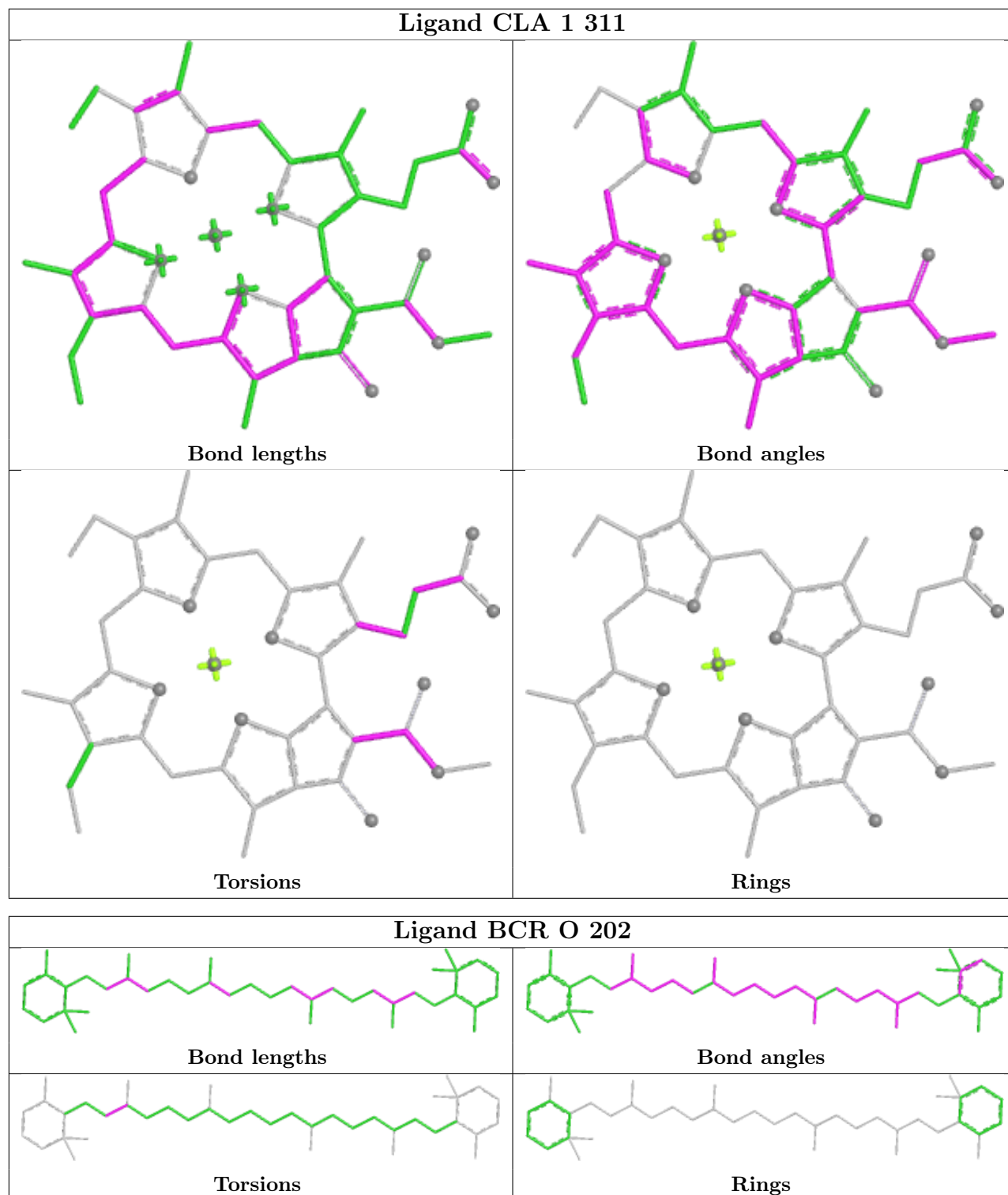


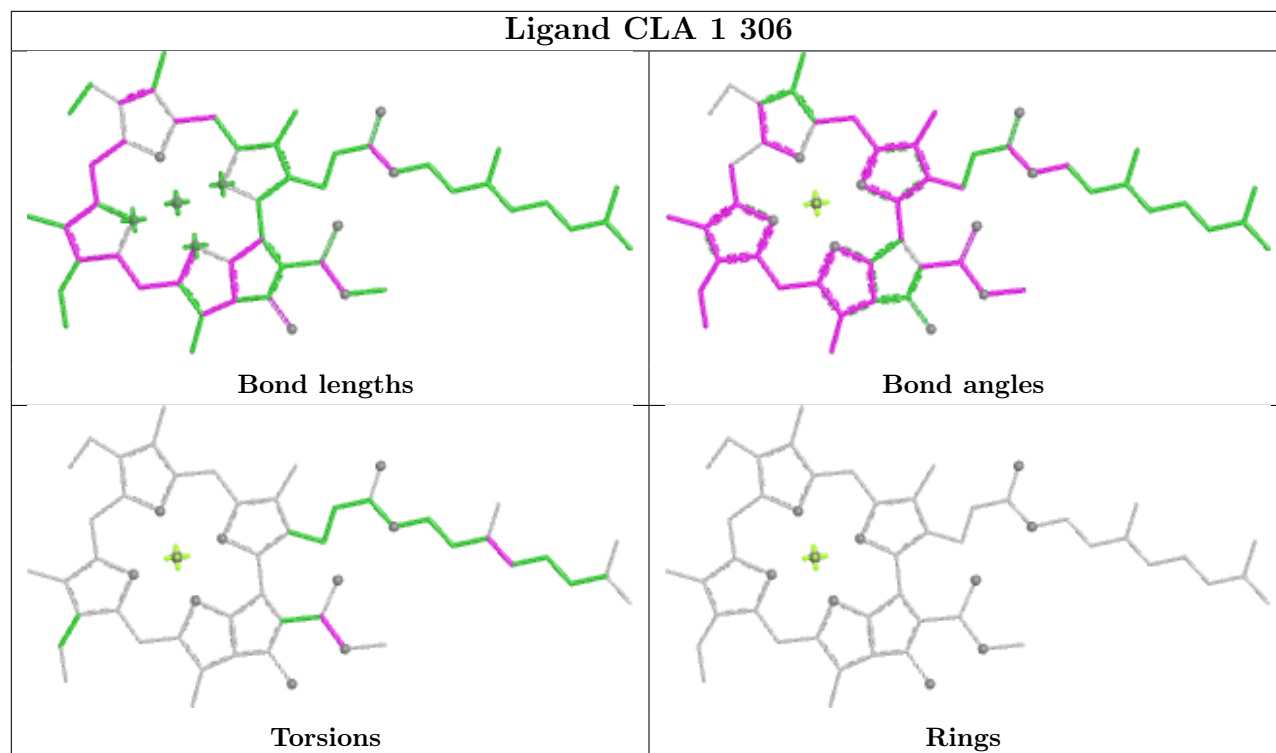


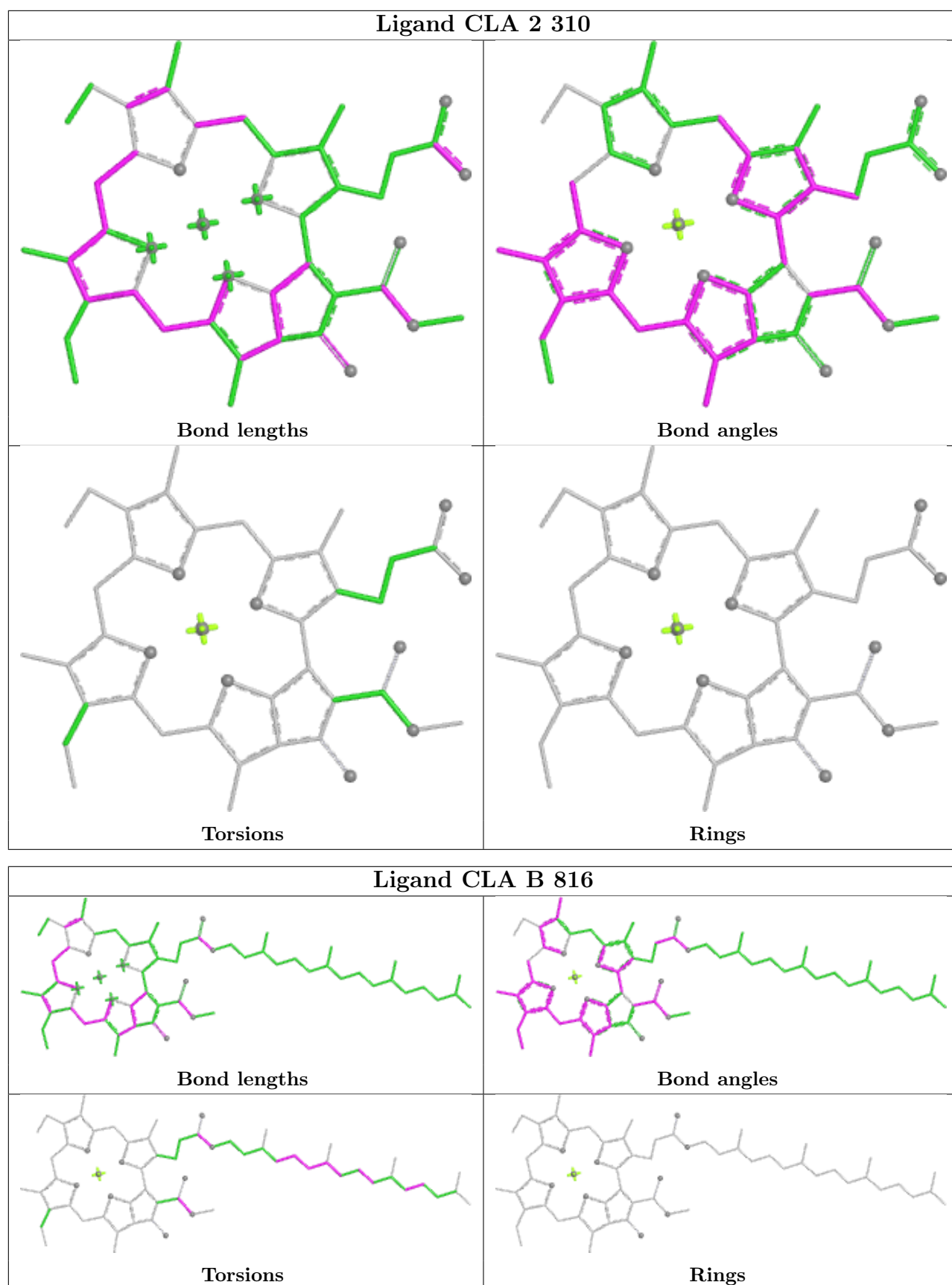


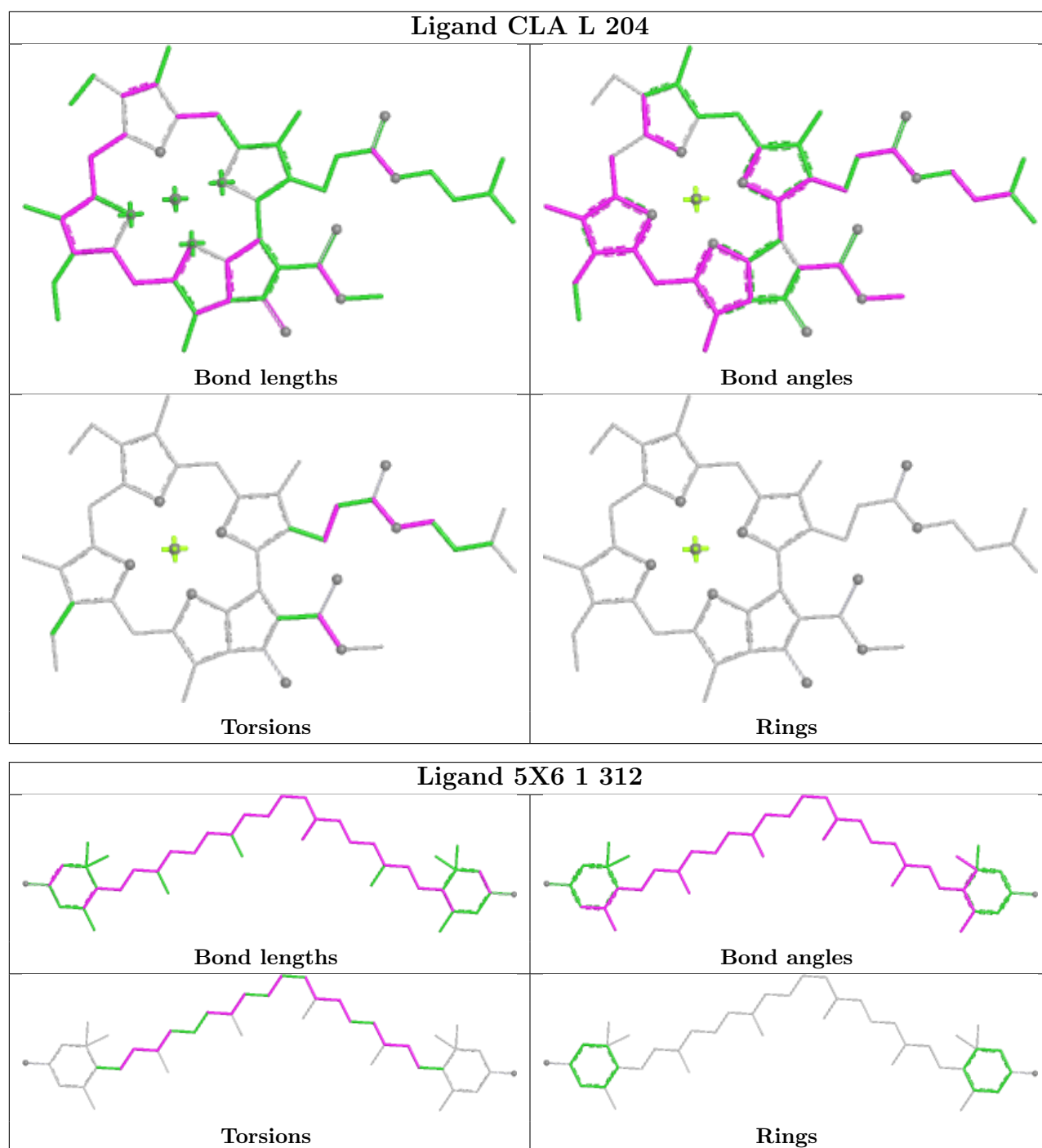


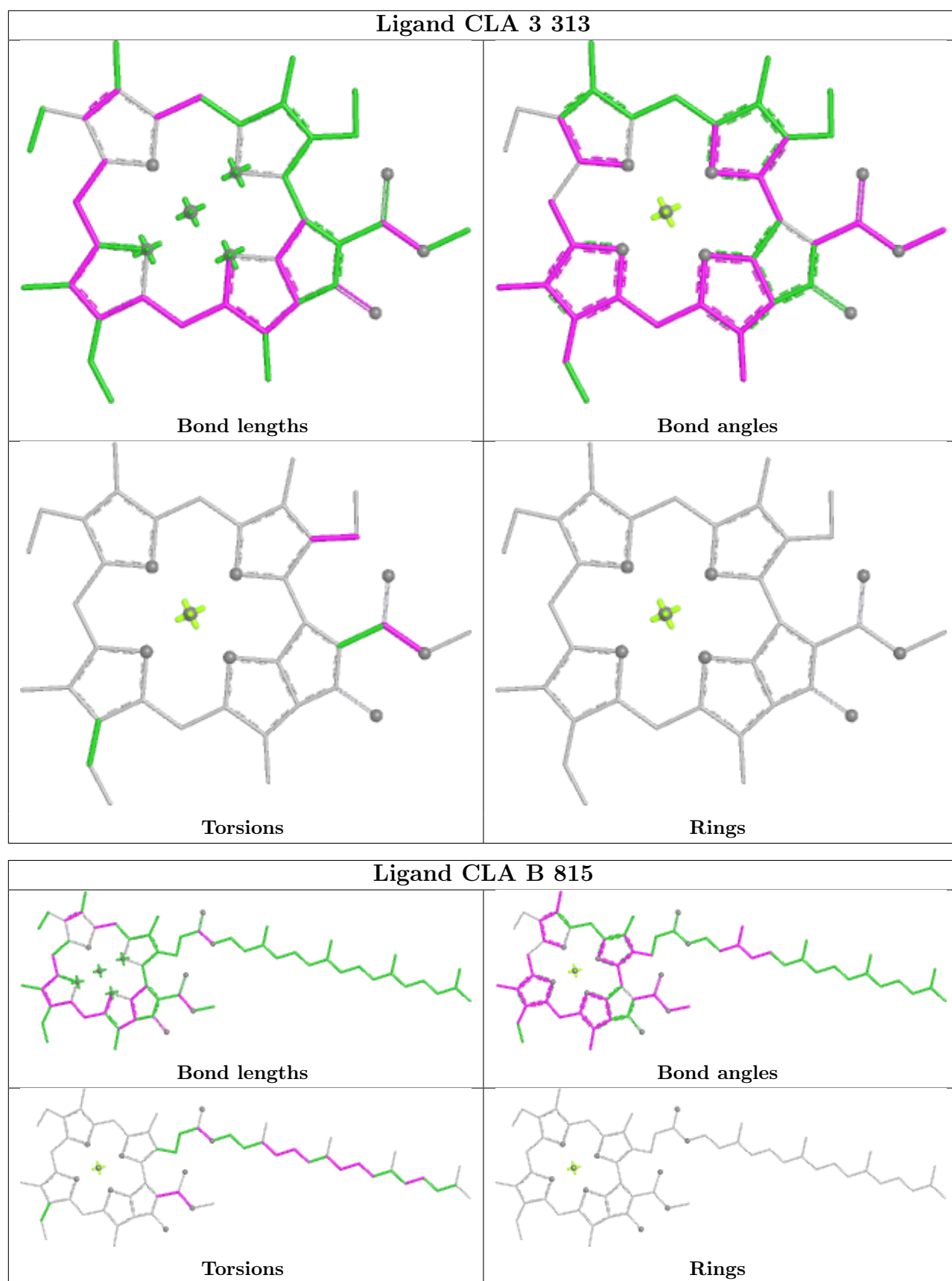


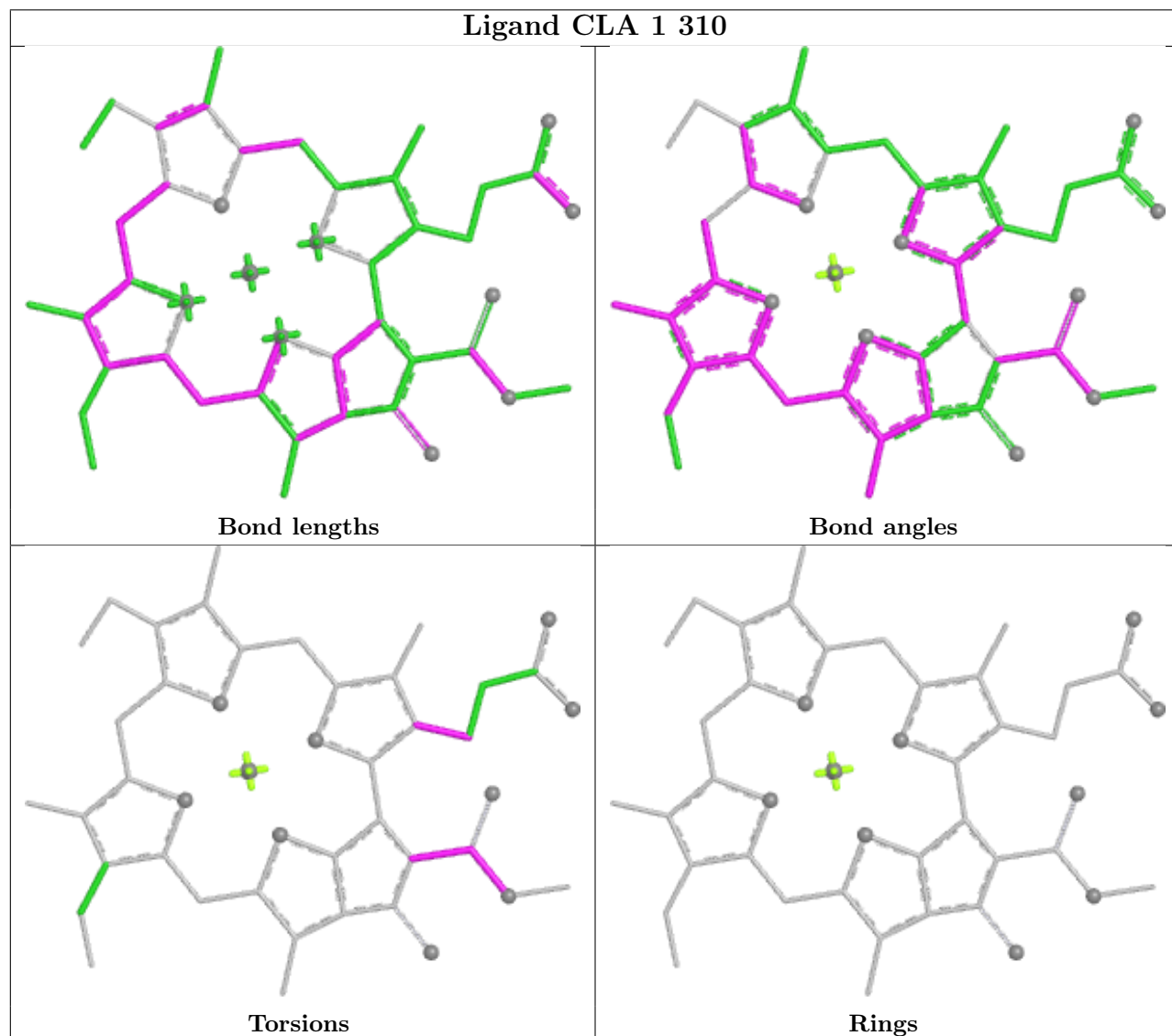
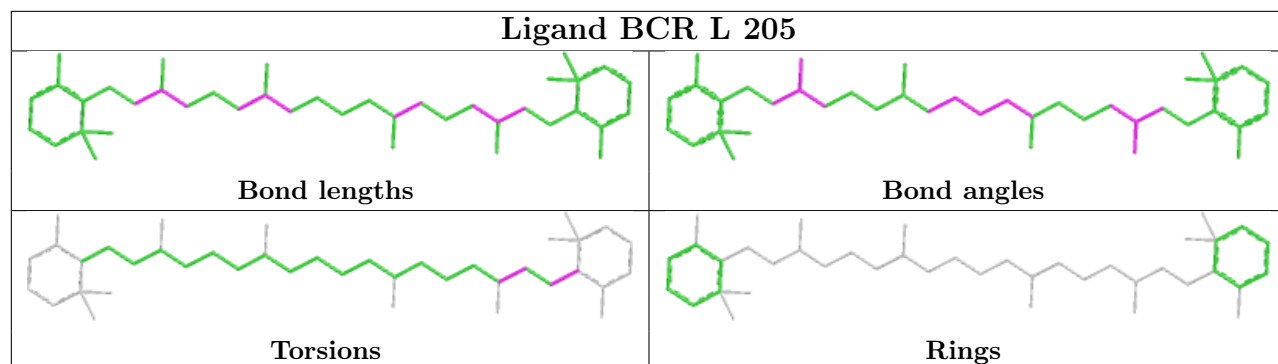


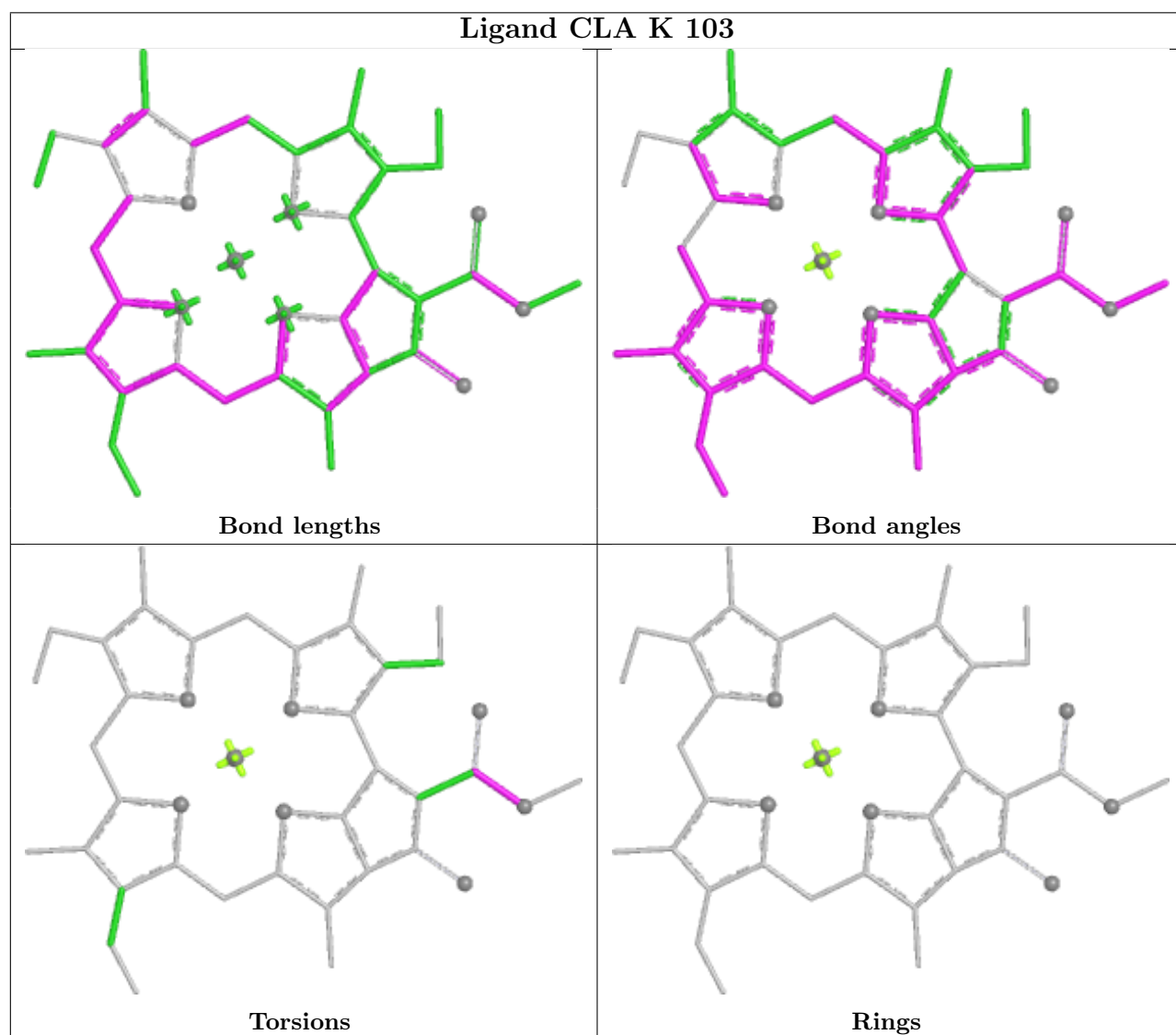
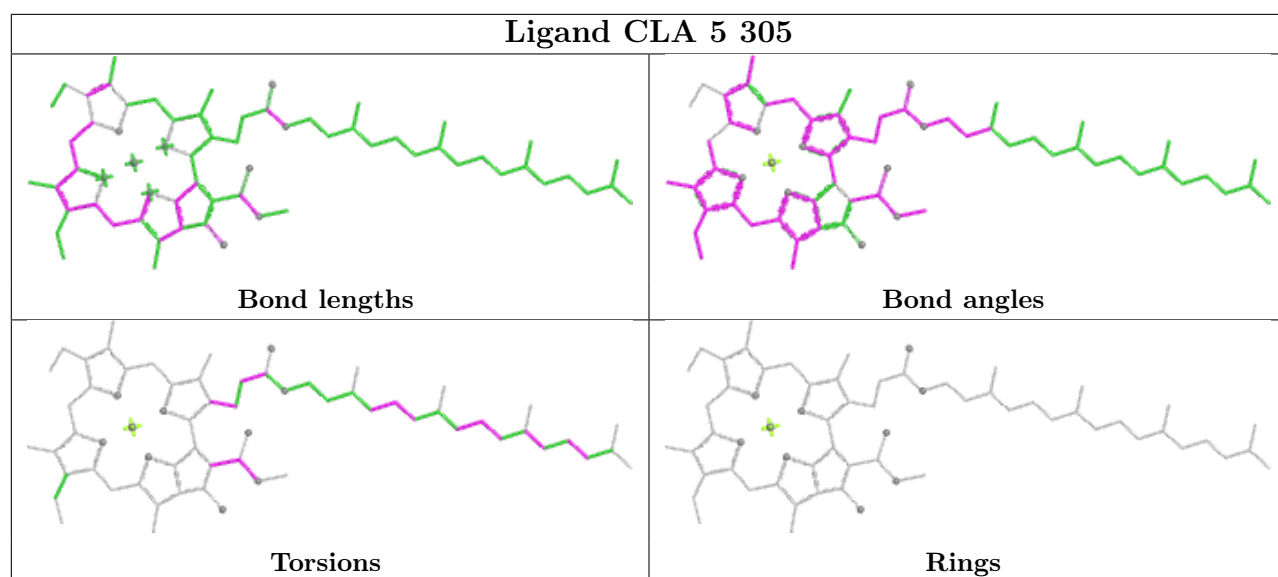


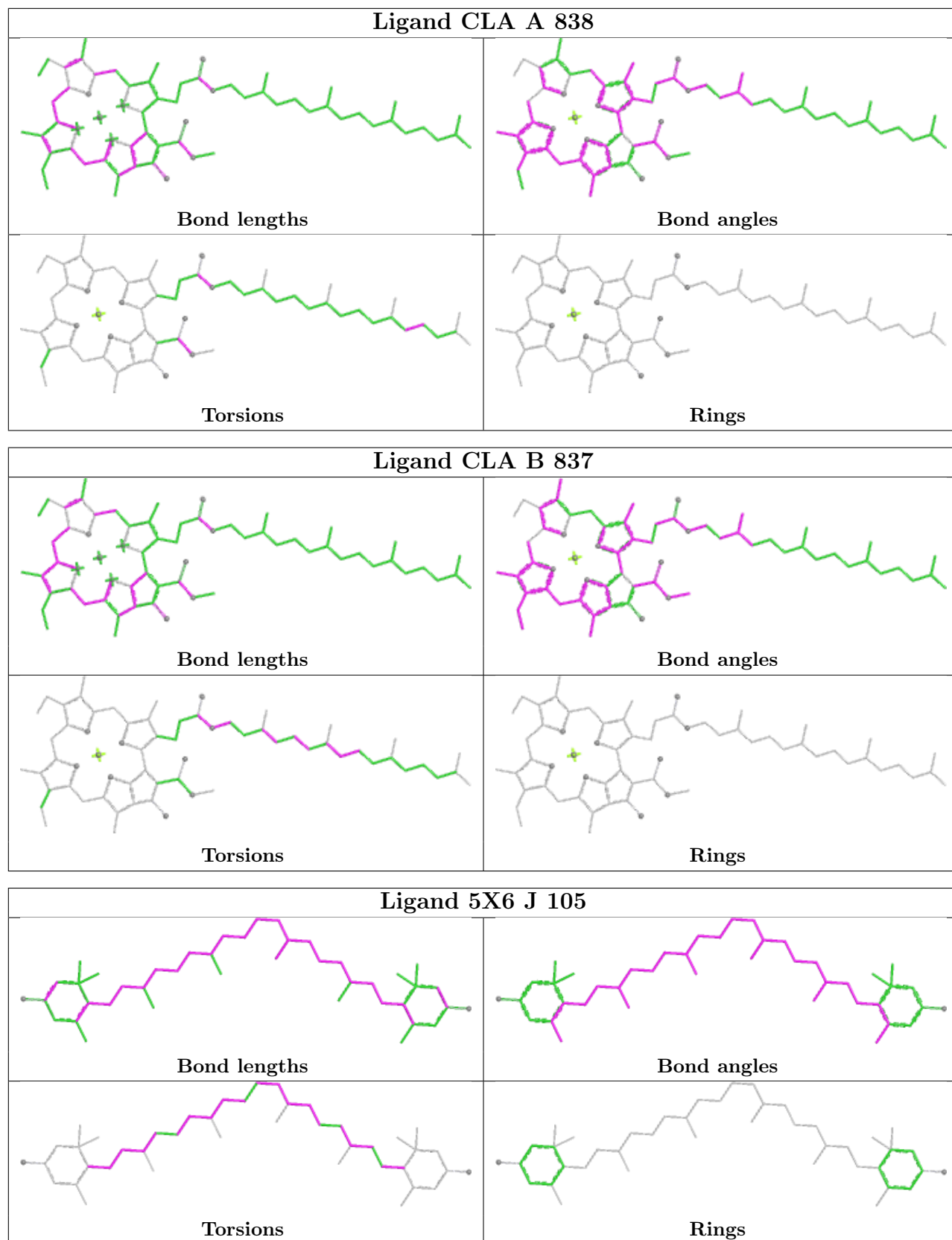


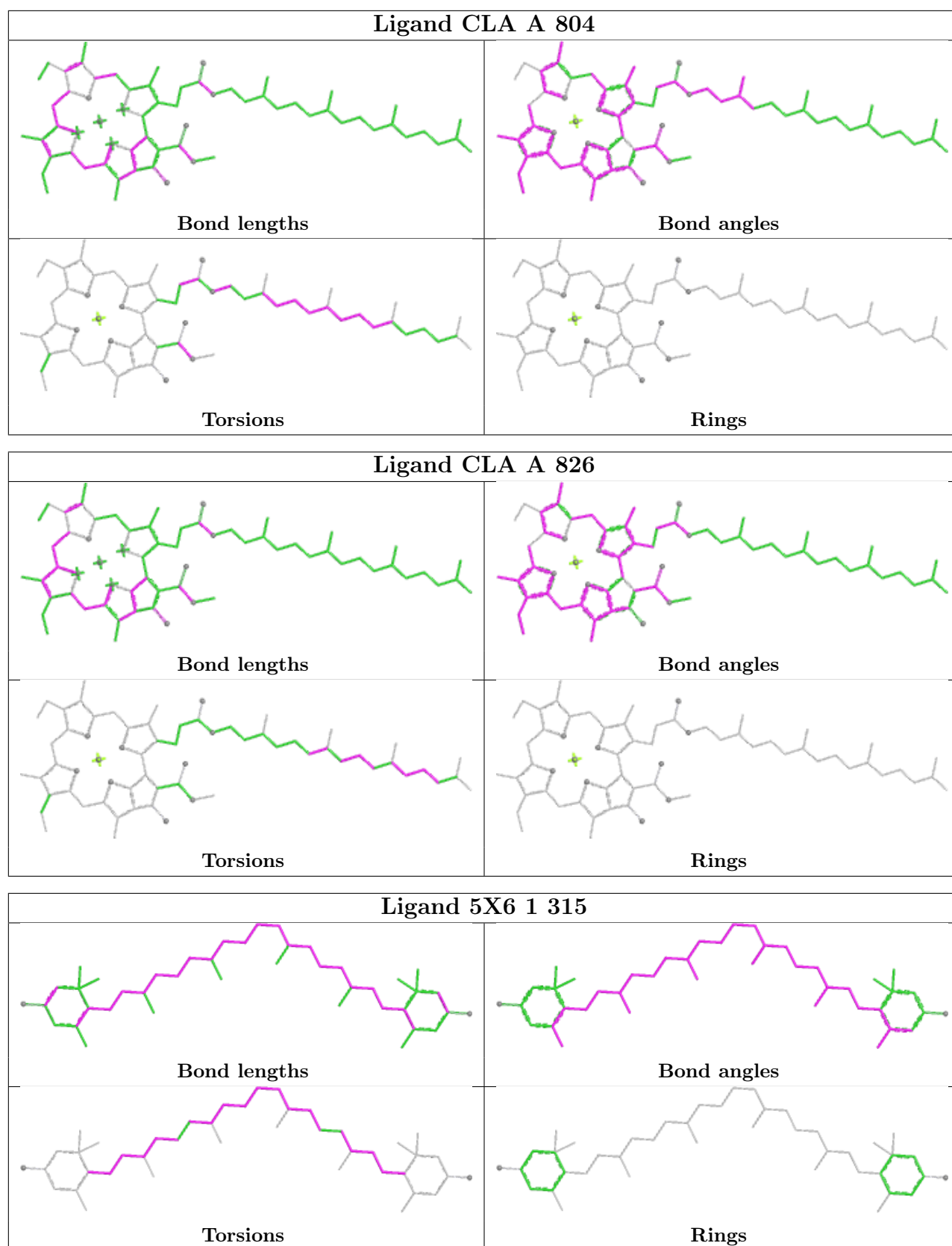


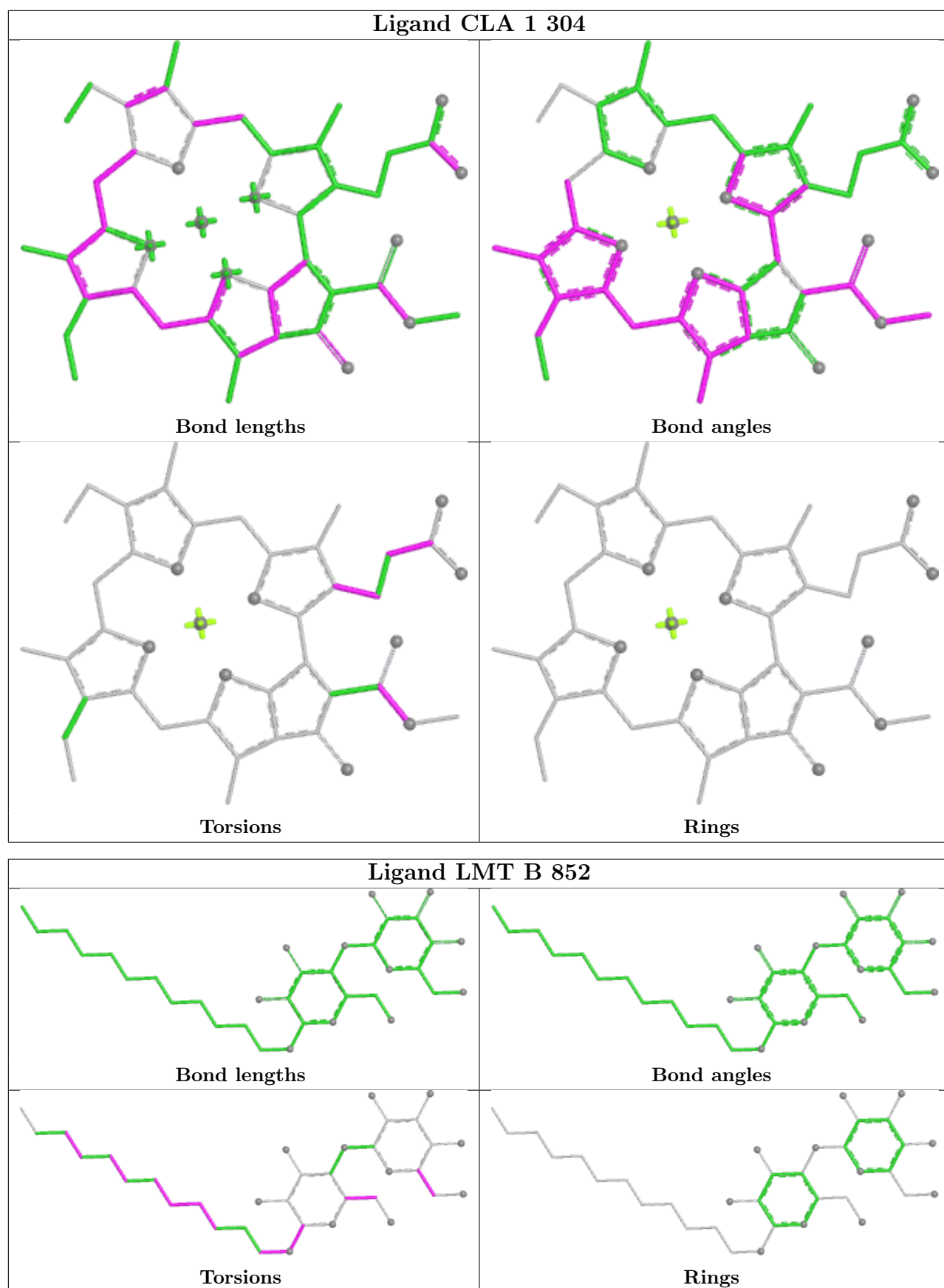


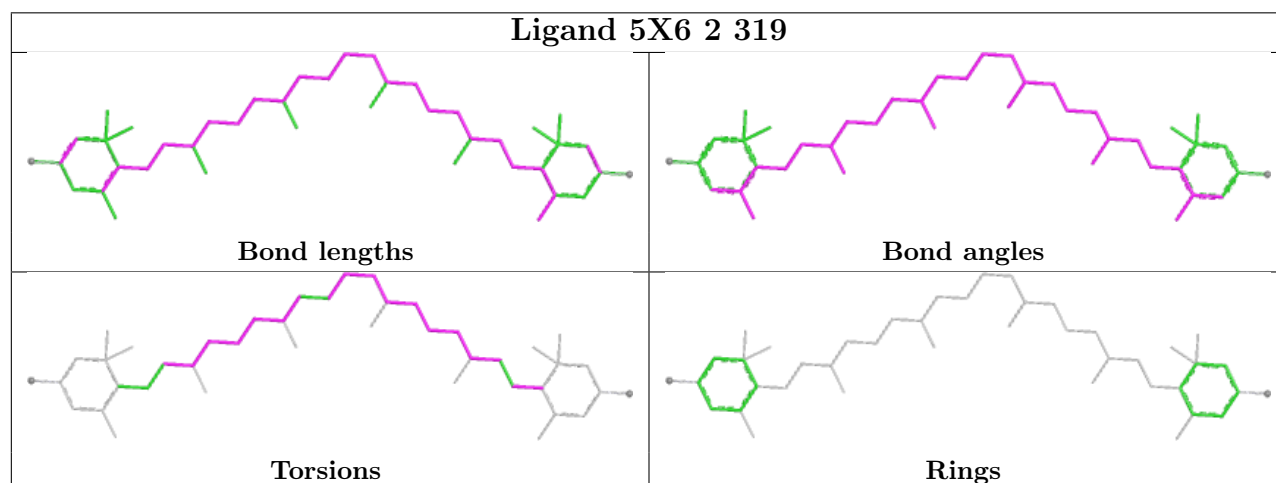
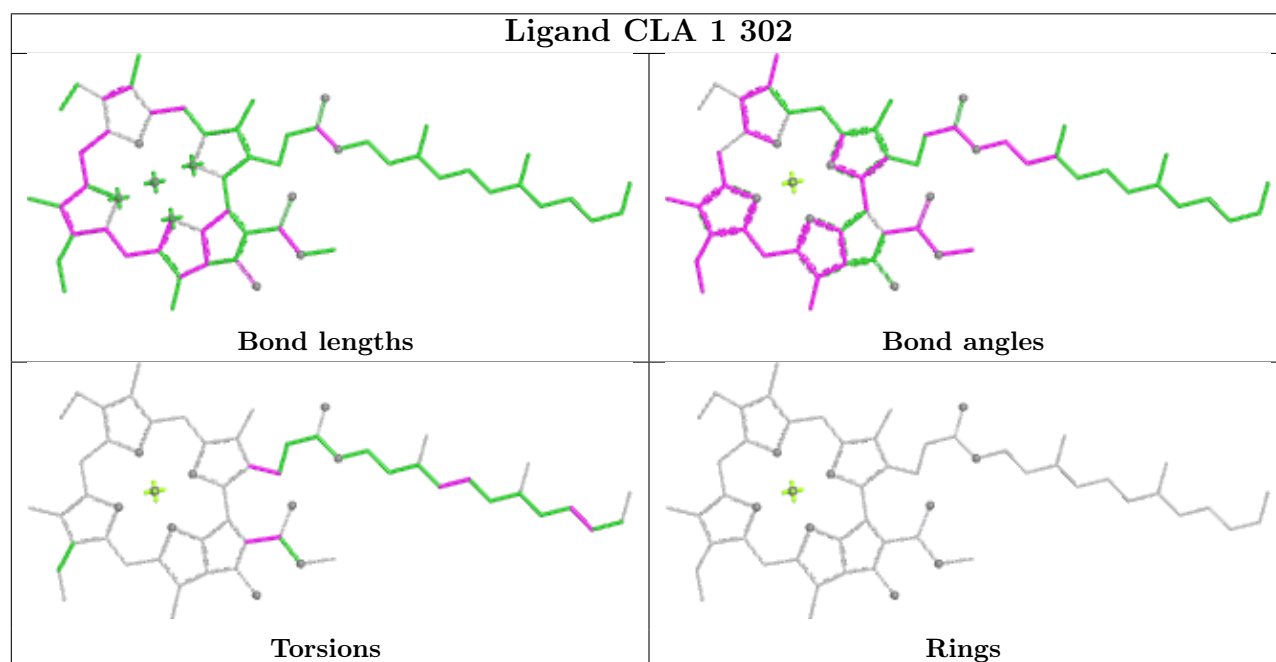
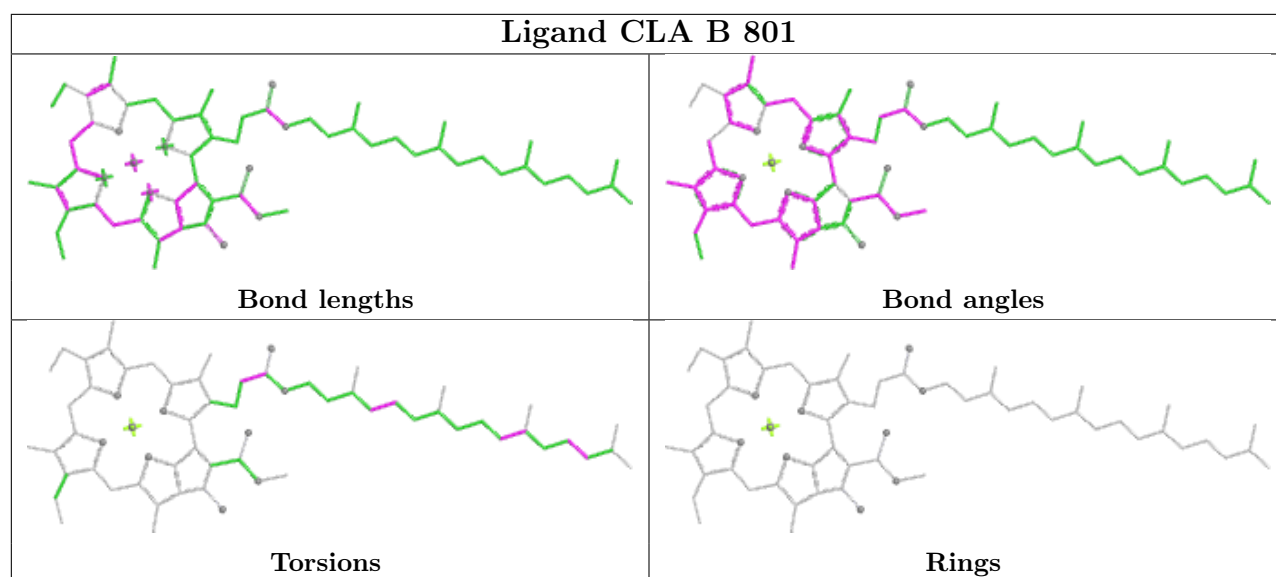


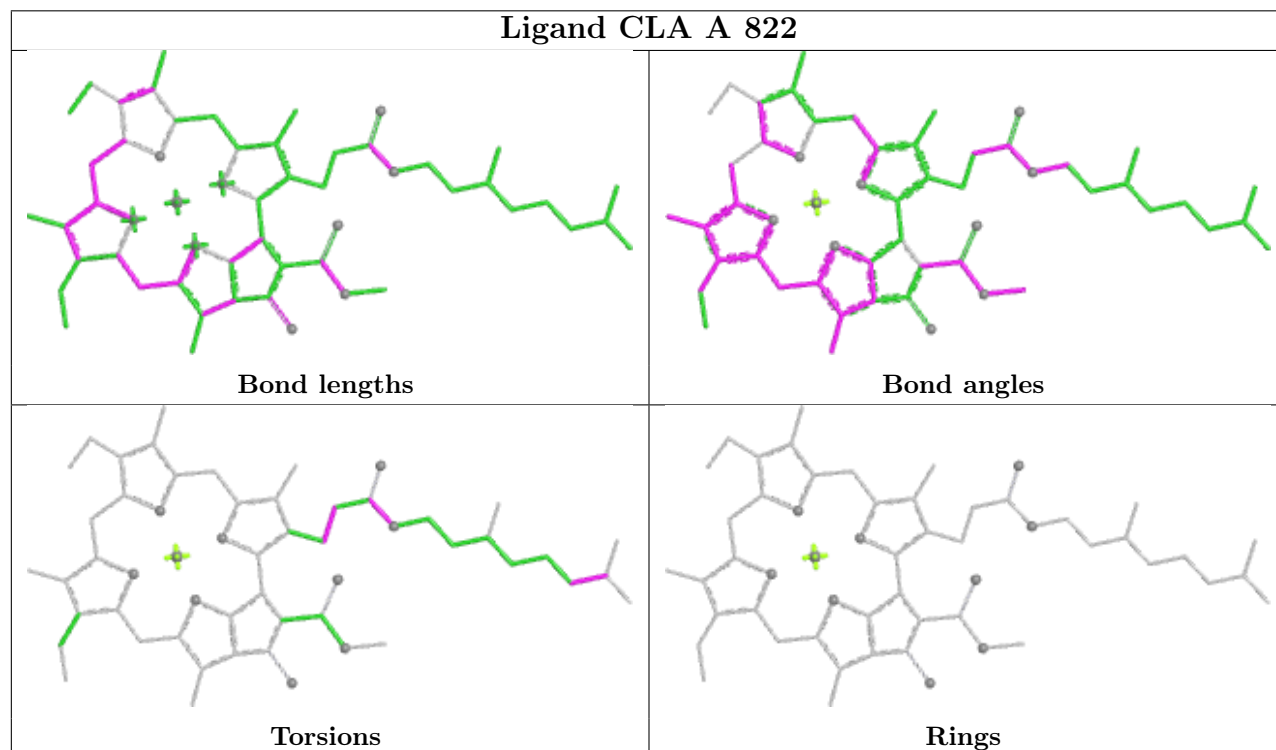
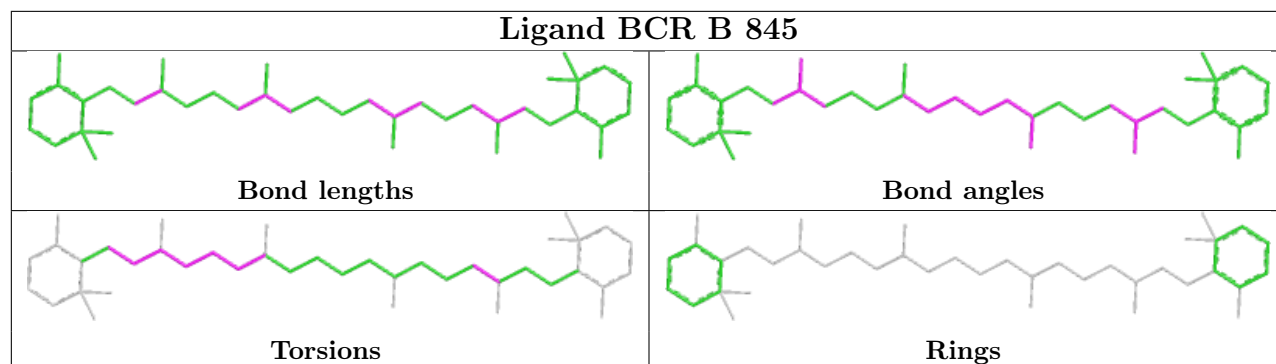


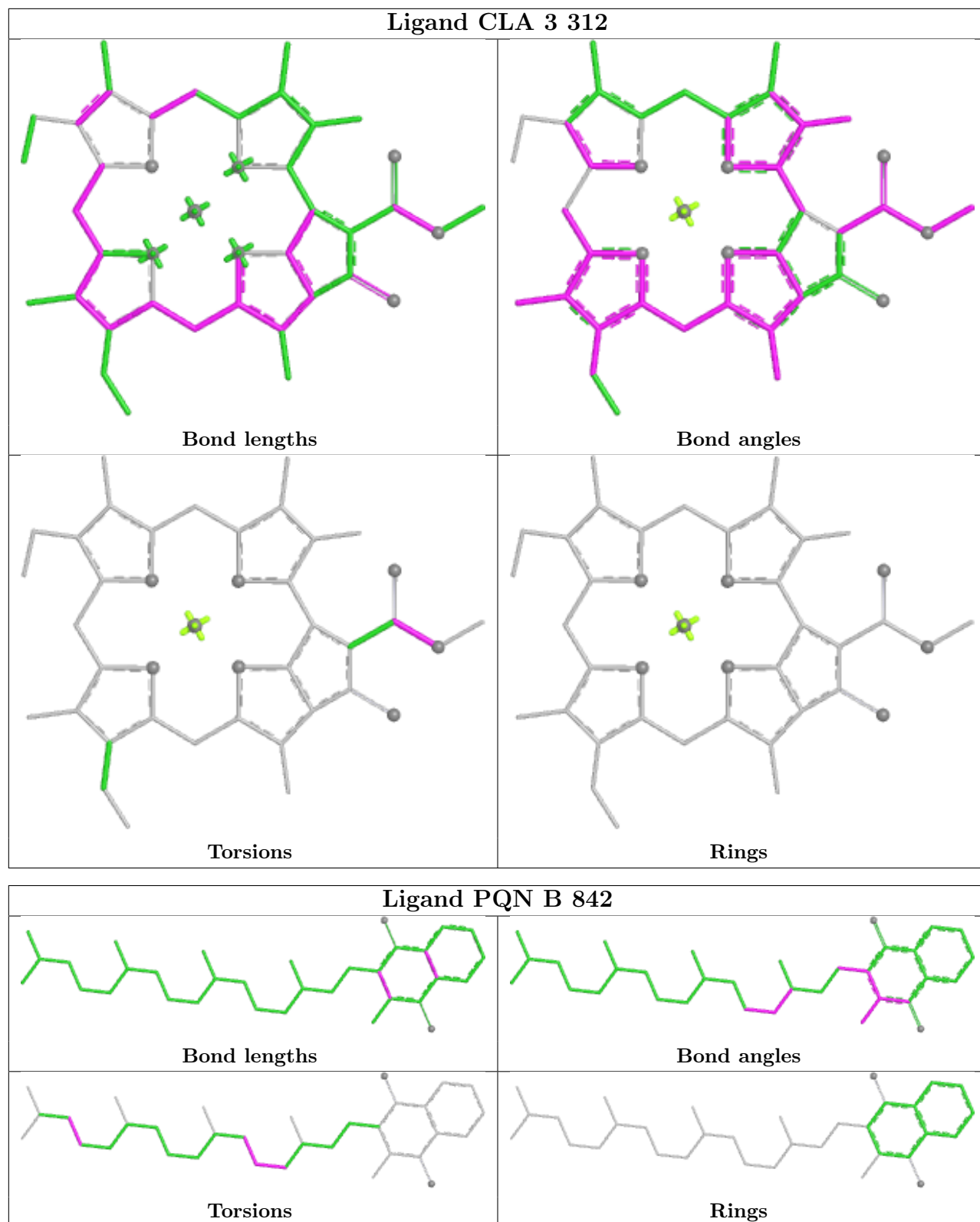


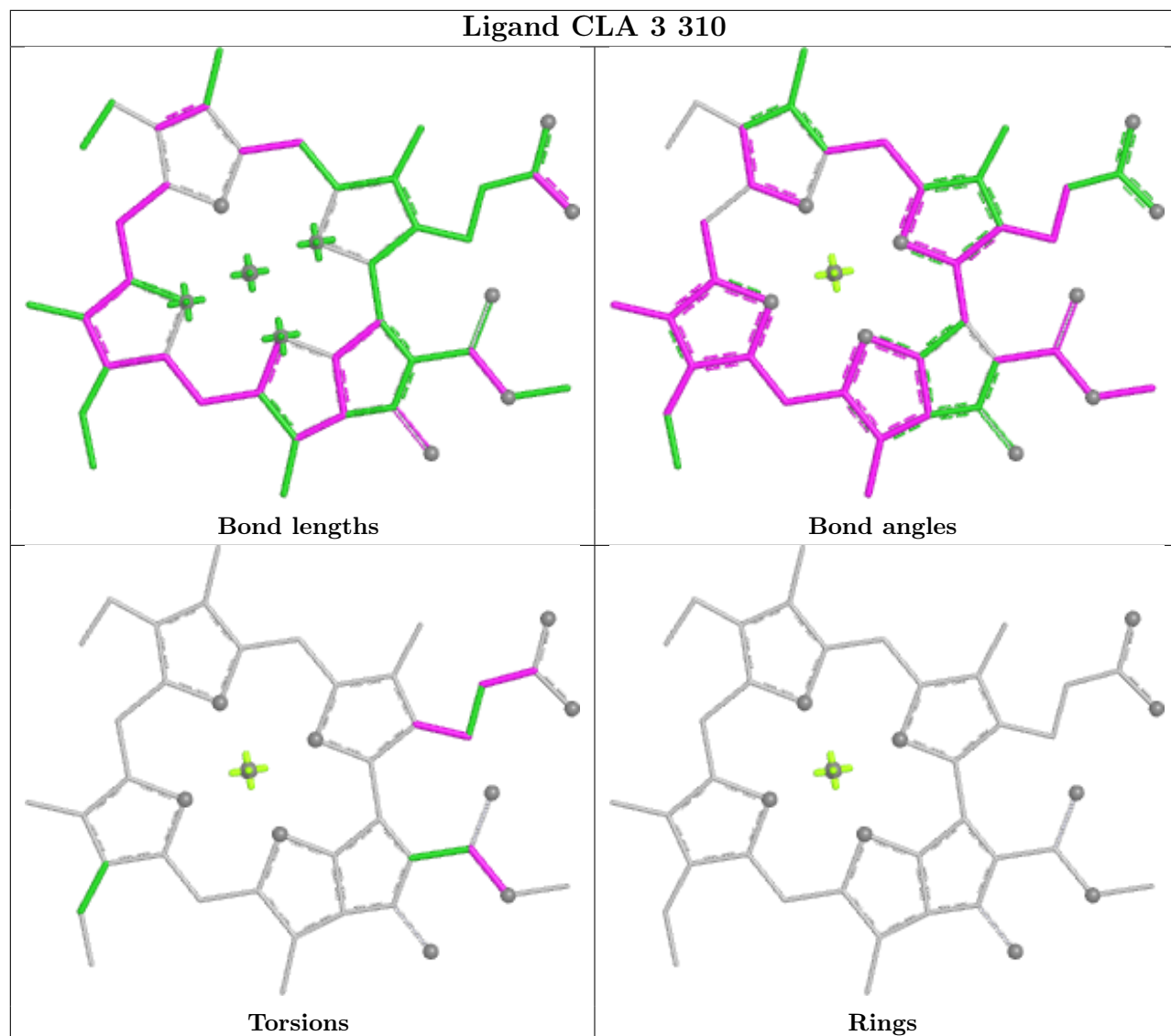


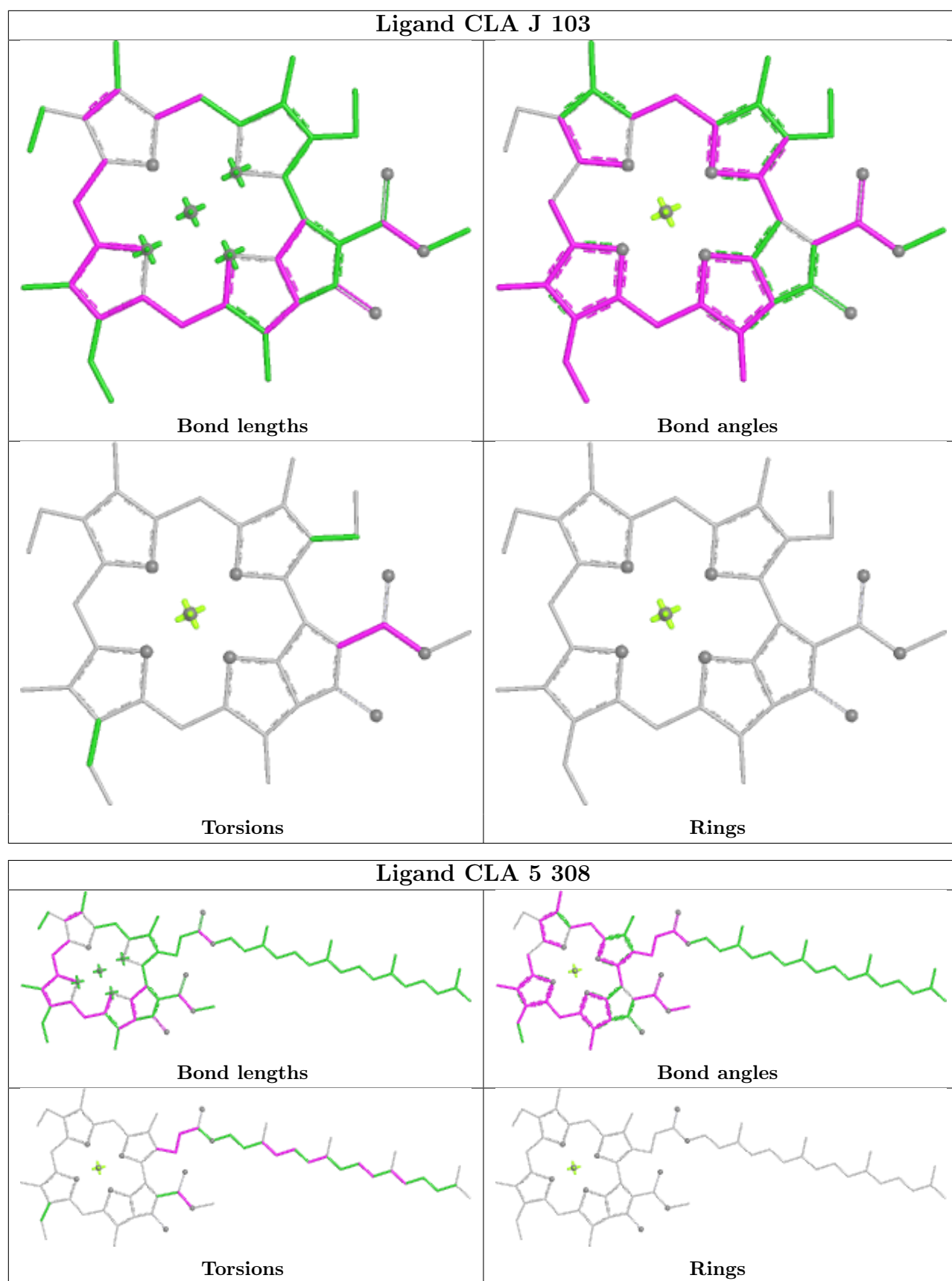


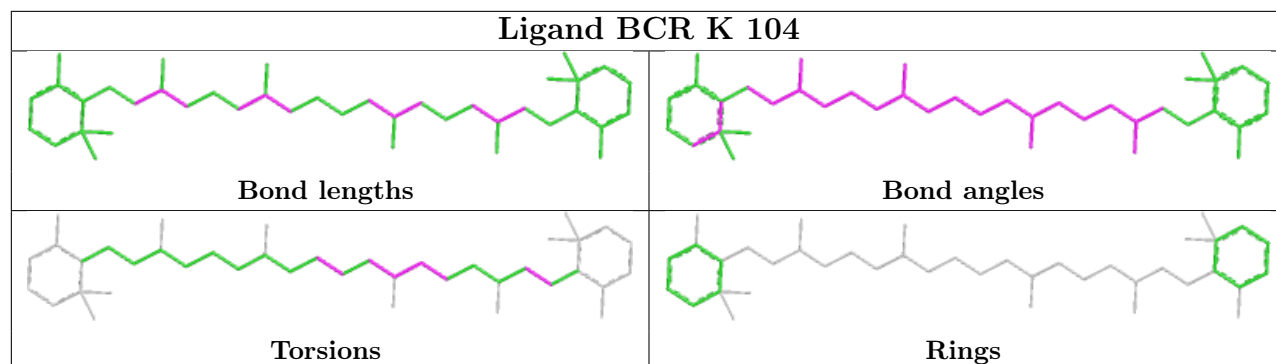












5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

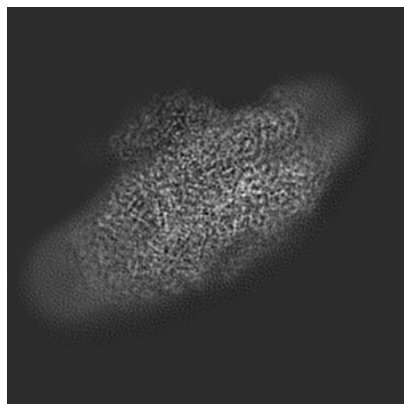
6 Map visualisation [i](#)

This section contains visualisations of the EMDB entry EMD-37480. These allow visual inspection of the internal detail of the map and identification of artifacts.

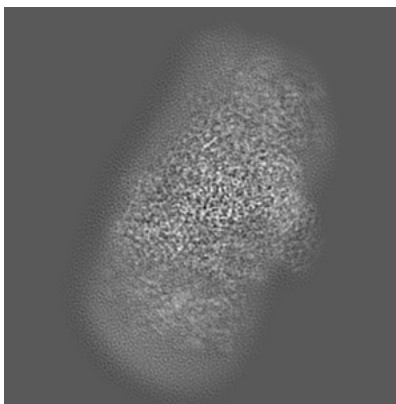
Images derived from a raw map, generated by summing the deposited half-maps, are presented below the corresponding image components of the primary map to allow further visual inspection and comparison with those of the primary map.

6.1 Orthogonal projections [i](#)

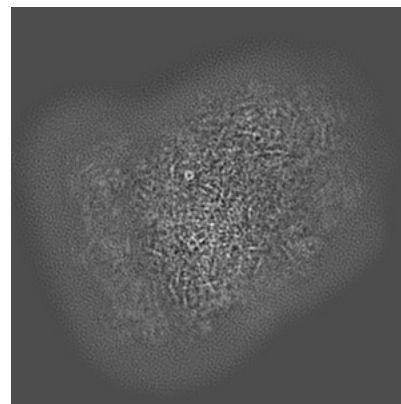
6.1.1 Primary map



X

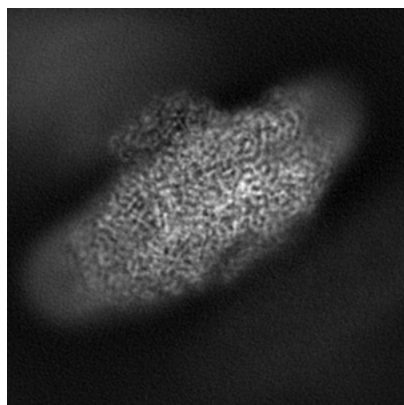


Y

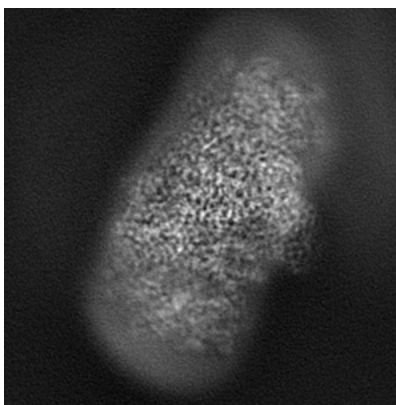


Z

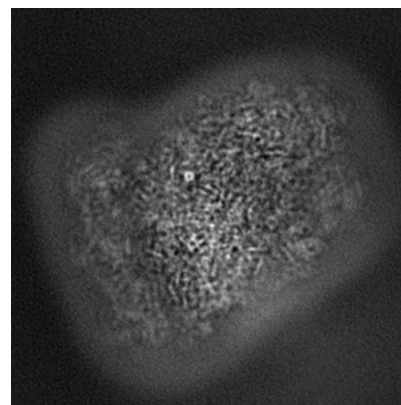
6.1.2 Raw map



X



Y

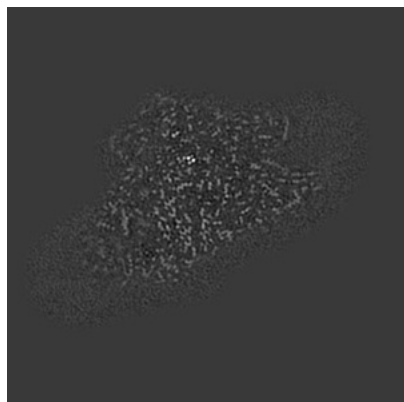


Z

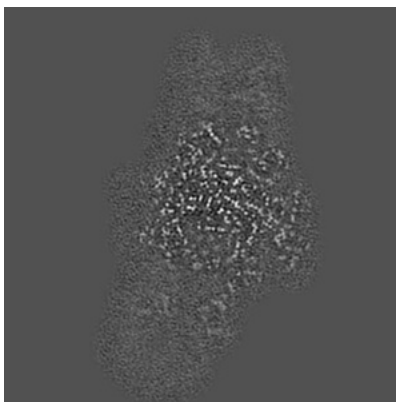
The images above show the map projected in three orthogonal directions.

6.2 Central slices [i](#)

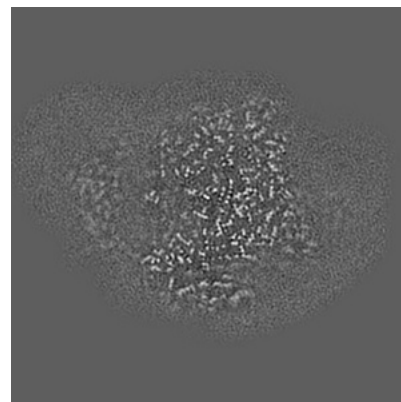
6.2.1 Primary map



X Index: 128

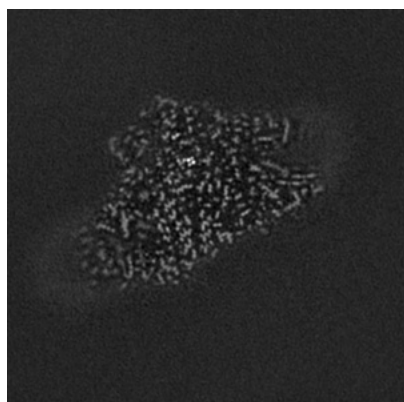


Y Index: 128

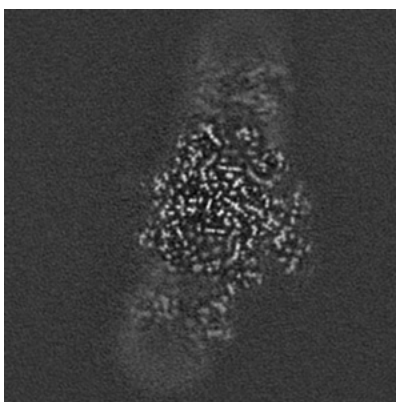


Z Index: 128

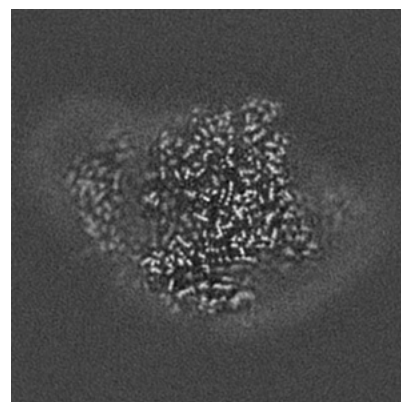
6.2.2 Raw map



X Index: 128



Y Index: 128

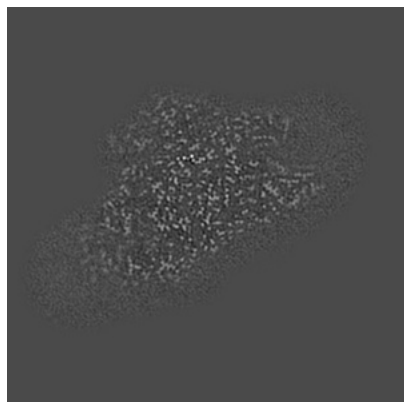


Z Index: 128

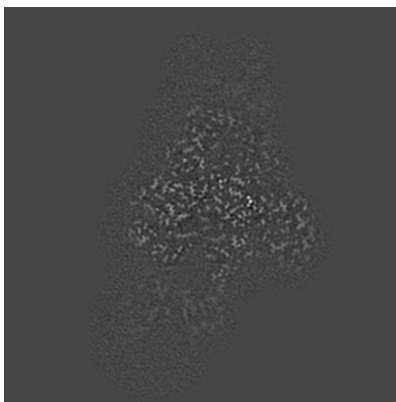
The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices [i](#)

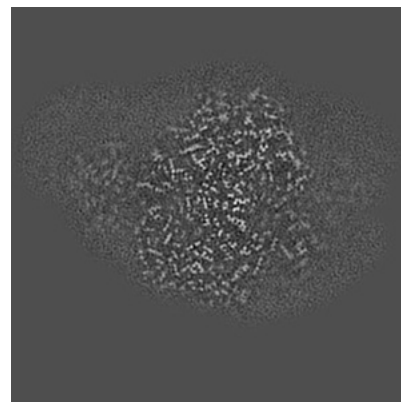
6.3.1 Primary map



X Index: 127

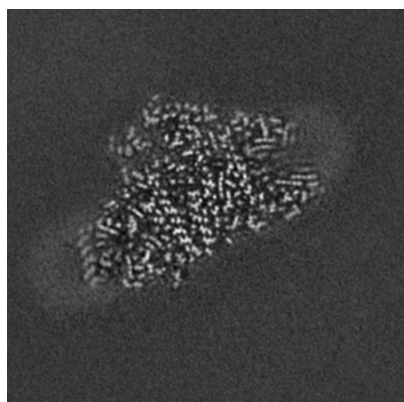


Y Index: 117

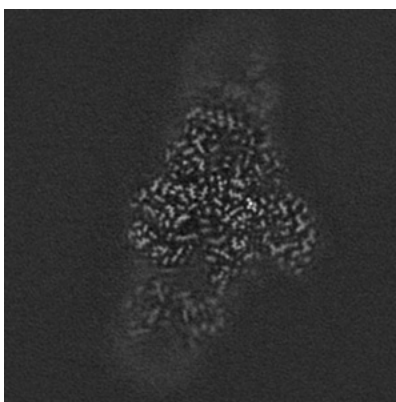


Z Index: 137

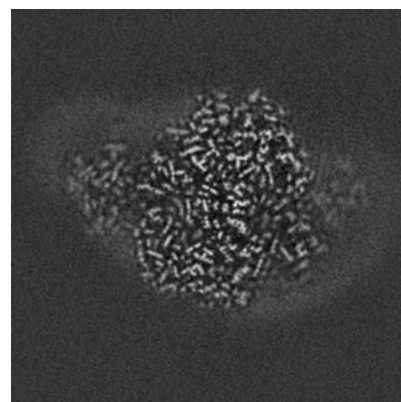
6.3.2 Raw map



X Index: 125



Y Index: 117

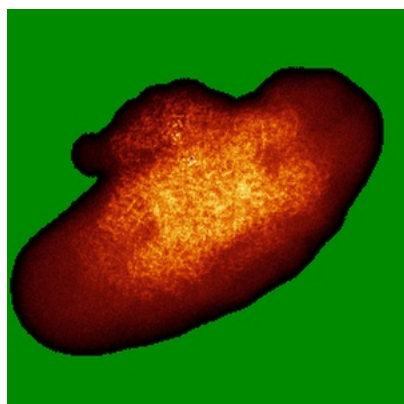


Z Index: 137

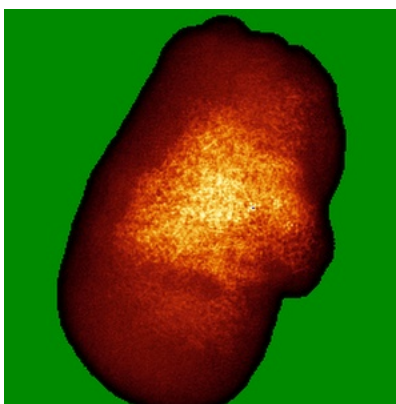
The images above show the largest variance slices of the map in three orthogonal directions.

6.4 Orthogonal standard-deviation projections (False-color) [i](#)

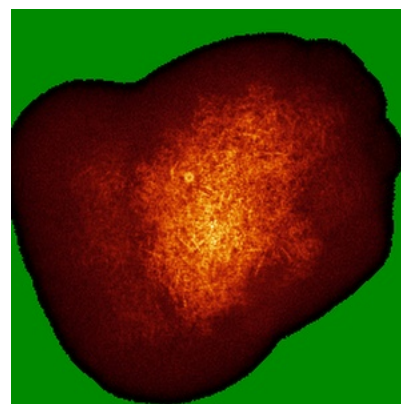
6.4.1 Primary map



X

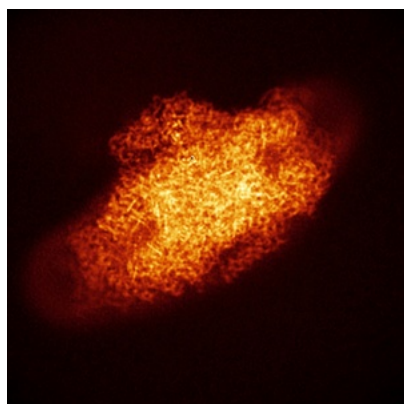


Y

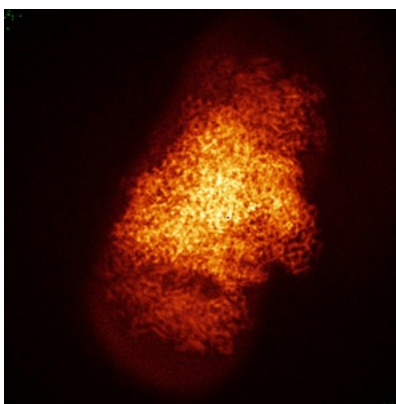


Z

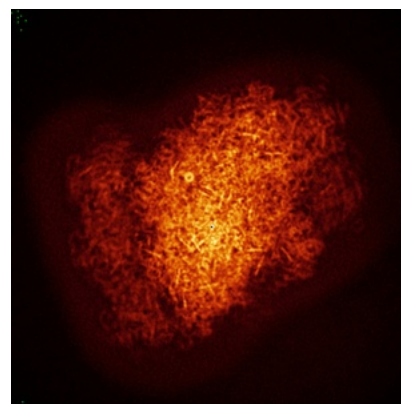
6.4.2 Raw map



X



Y

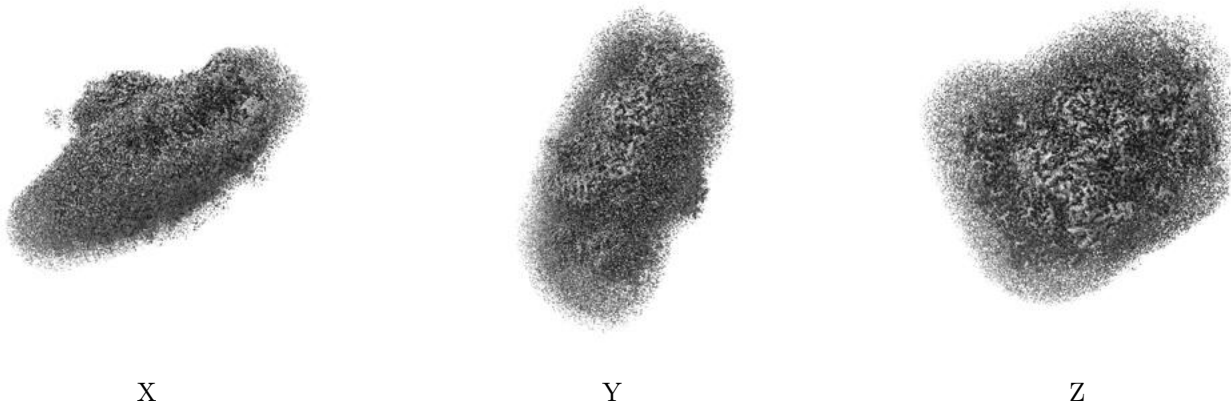


Z

The images above show the map standard deviation projections with false color in three orthogonal directions. Minimum values are shown in green, max in blue, and dark to light orange shades represent small to large values respectively.

6.5 Orthogonal surface views [i](#)

6.5.1 Primary map



The images above show the 3D surface view of the map at the recommended contour level 0.016. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

6.5.2 Raw map



These images show the 3D surface of the raw map. The raw map's contour level was selected so that its surface encloses the same volume as the primary map does at its recommended contour level.

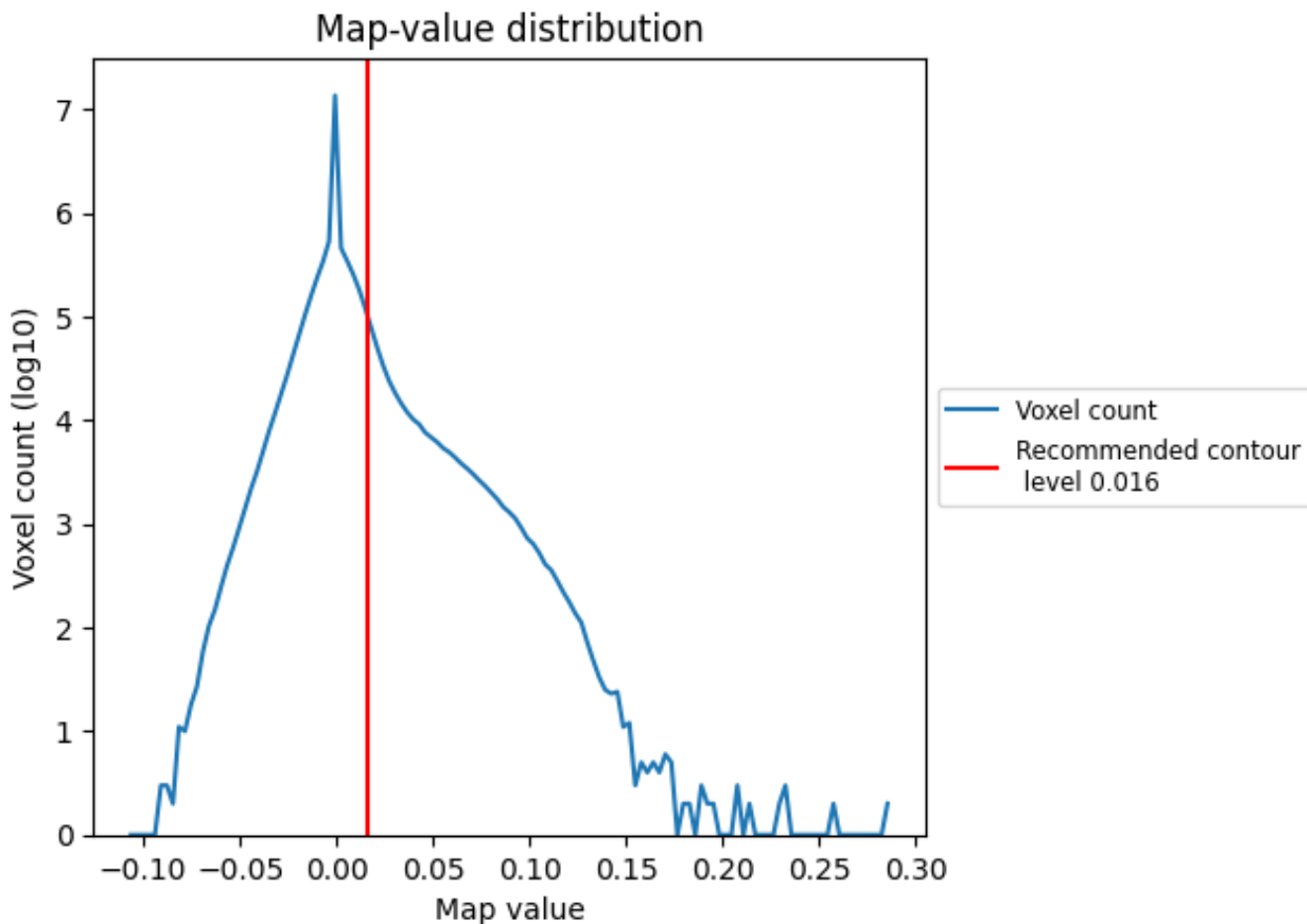
6.6 Mask visualisation [i](#)

This section was not generated. No masks/segmentation were deposited.

7 Map analysis [i](#)

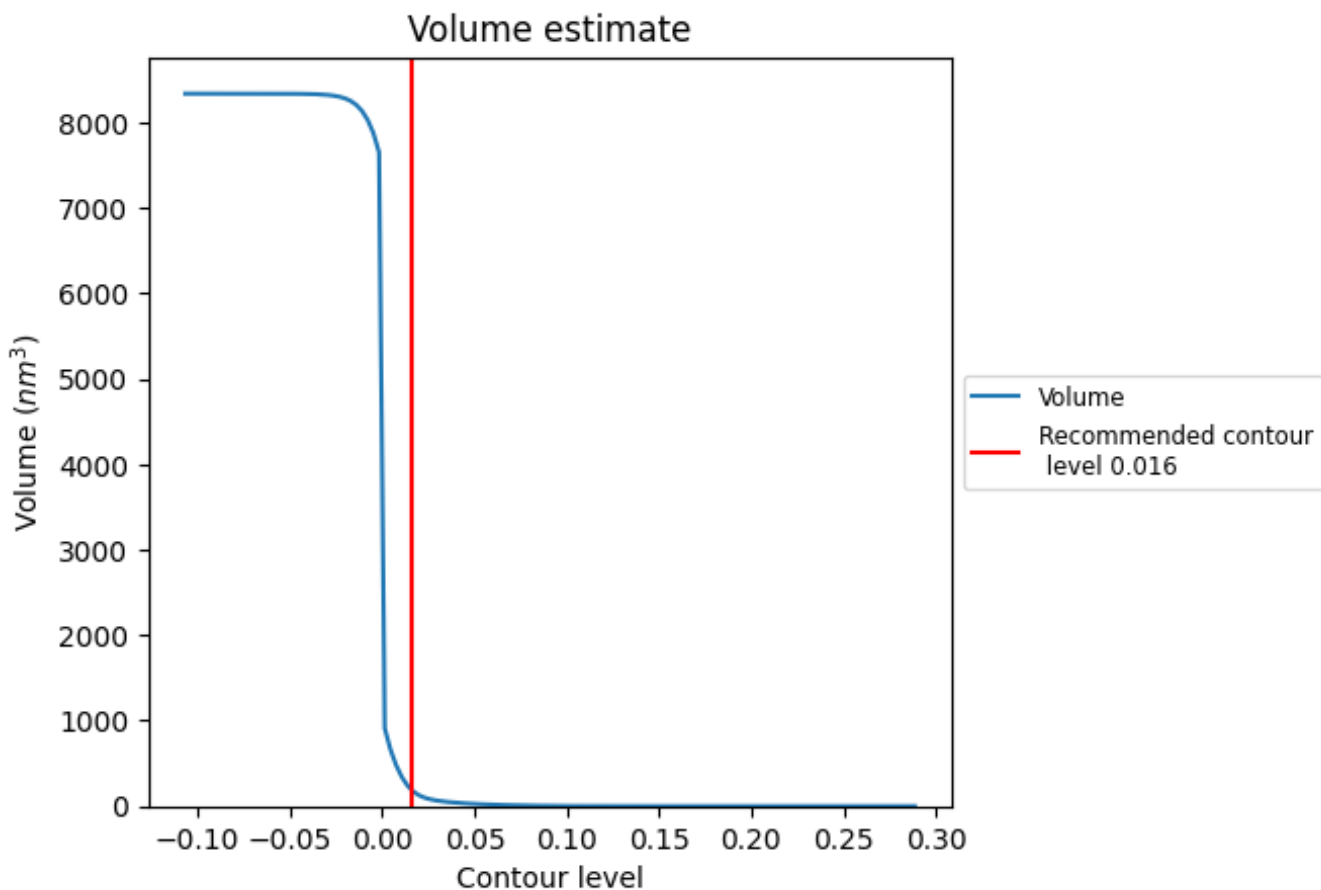
This section contains the results of statistical analysis of the map.

7.1 Map-value distribution [i](#)



The map-value distribution is plotted in 128 intervals along the x-axis. The y-axis is logarithmic. A spike in this graph at zero usually indicates that the volume has been masked.

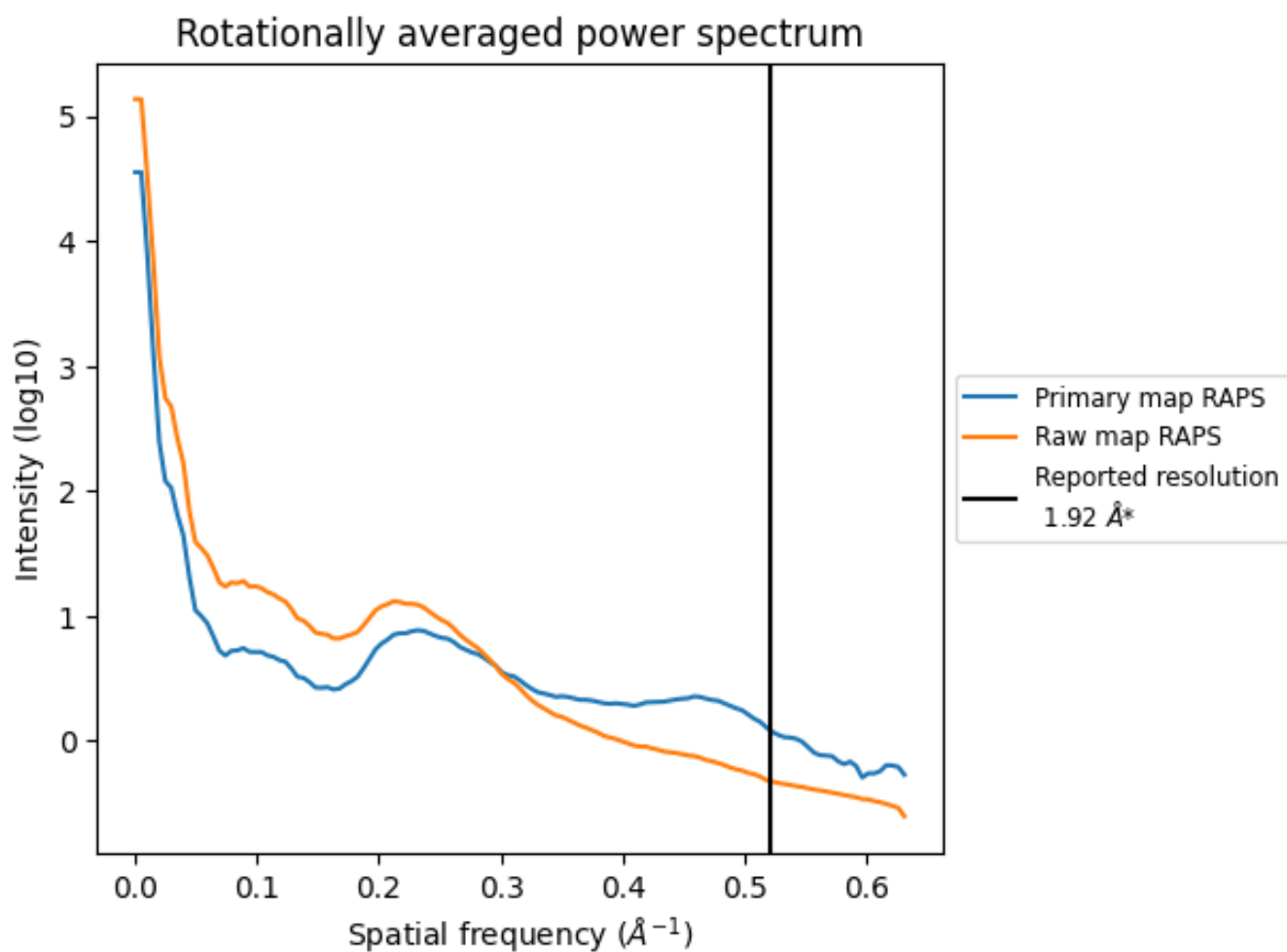
7.2 Volume estimate [i](#)



The volume at the recommended contour level is 193 nm^3 ; this corresponds to an approximate mass of 174 kDa.

The volume estimate graph shows how the enclosed volume varies with the contour level. The recommended contour level is shown as a vertical line and the intersection between the line and the curve gives the volume of the enclosed surface at the given level.

7.3 Rotationally averaged power spectrum [i](#)

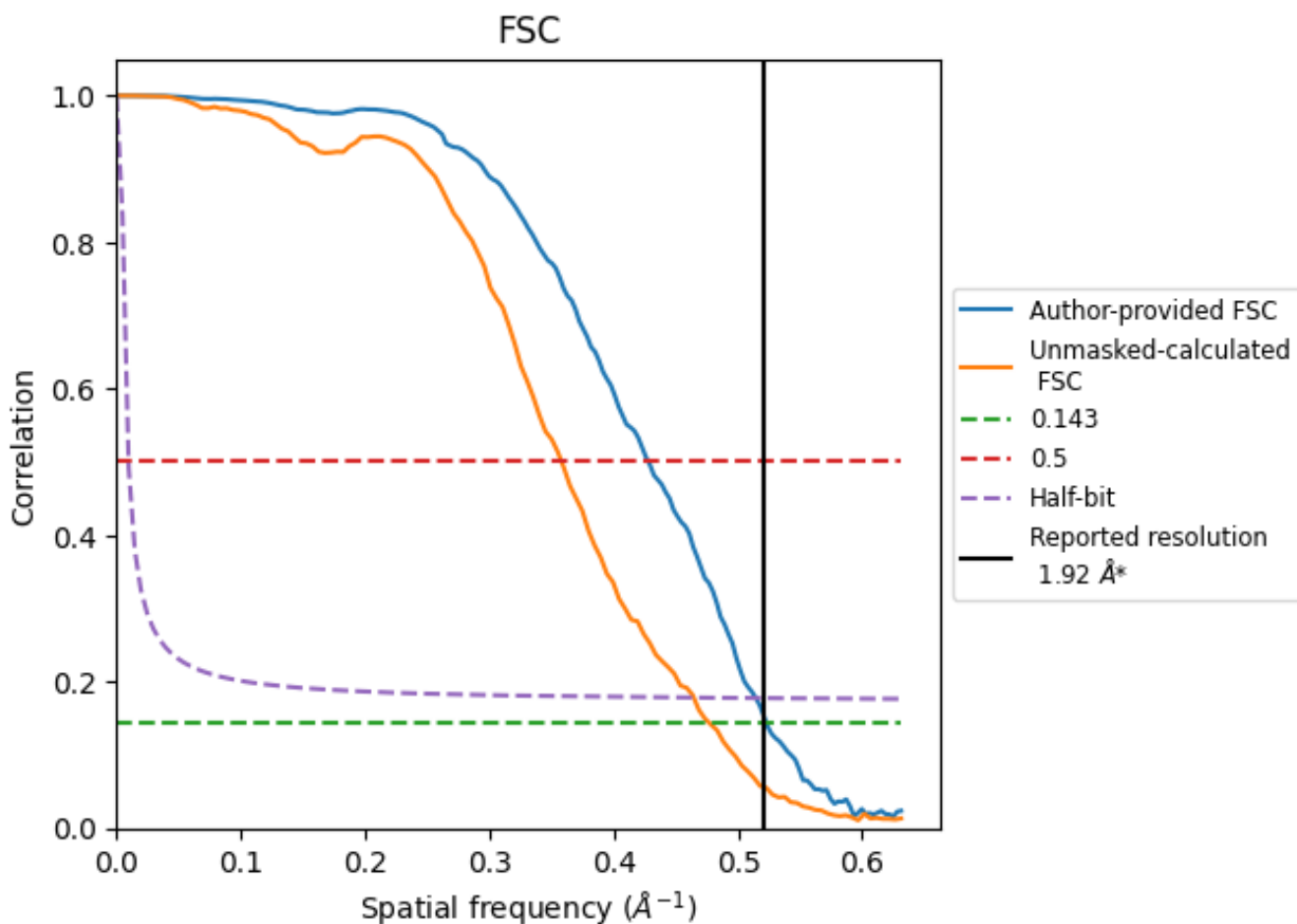


*Reported resolution corresponds to spatial frequency of 0.521 Å⁻¹

8 Fourier-Shell correlation [i](#)

Fourier-Shell Correlation (FSC) is the most commonly used method to estimate the resolution of single-particle and subtomogram-averaged maps. The shape of the curve depends on the imposed symmetry, mask and whether or not the two 3D reconstructions used were processed from a common reference. The reported resolution is shown as a black line. A curve is displayed for the half-bit criterion in addition to lines showing the 0.143 gold standard cut-off and 0.5 cut-off.

8.1 FSC [i](#)



*Reported resolution corresponds to spatial frequency of 0.521 Å⁻¹

8.2 Resolution estimates [i](#)

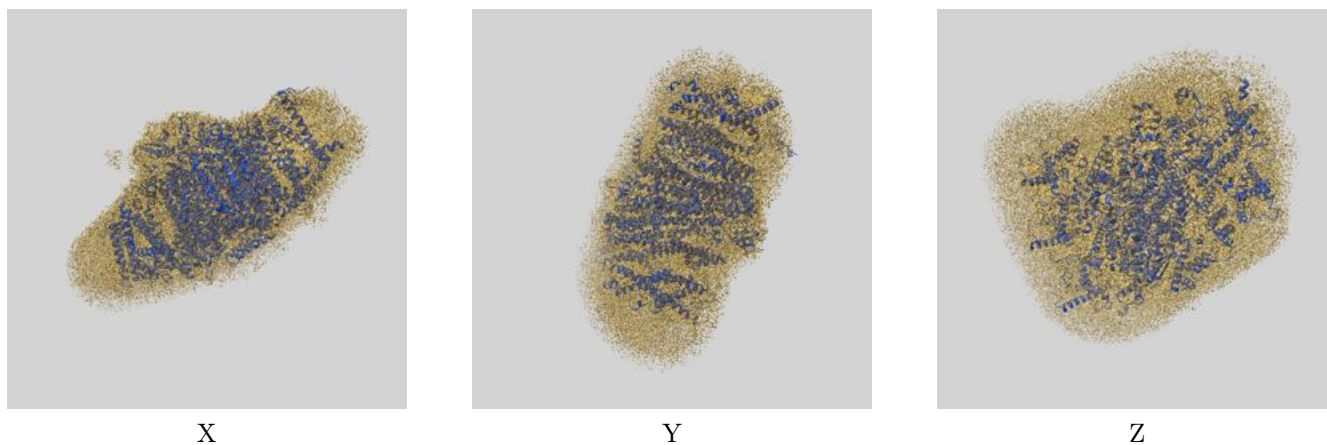
Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	1.92	-	-
Author-provided FSC curve	1.91	2.34	1.94
Unmasked-calculated*	2.10	2.79	2.15

*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps.

9 Map-model fit [i](#)

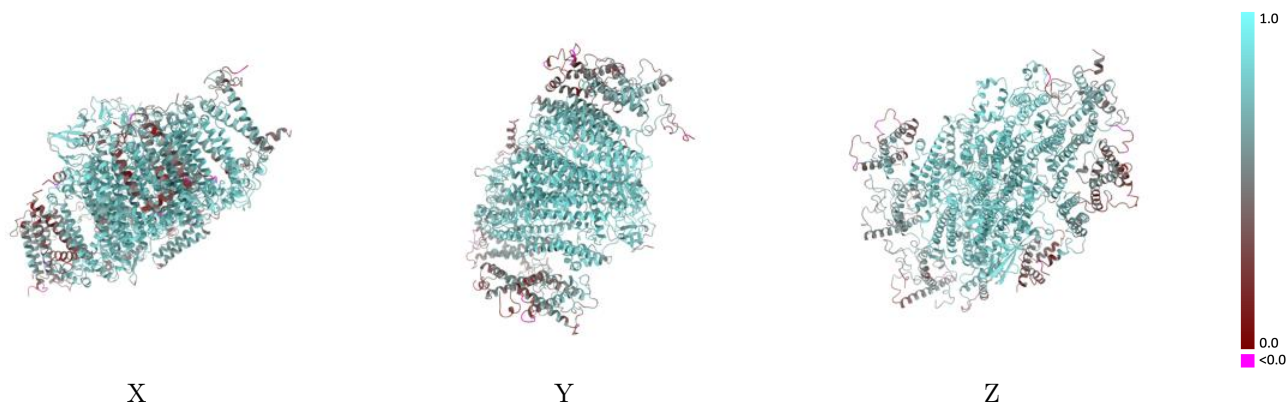
This section contains information regarding the fit between EMDB map EMD-37480 and PDB model 8WEY. Per-residue inclusion information can be found in section 3 on page 27.

9.1 Map-model overlay [i](#)



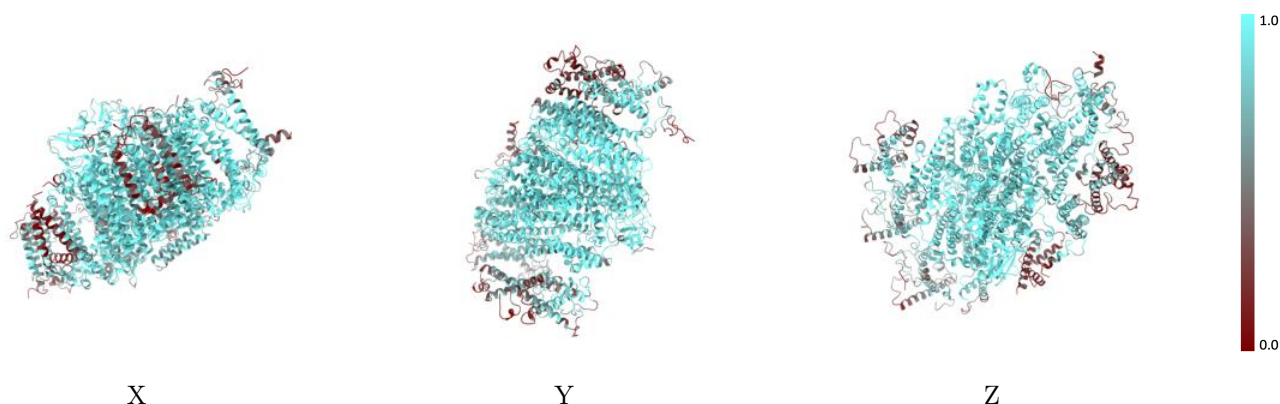
The images above show the 3D surface view of the map at the recommended contour level 0.016 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

9.2 Q-score mapped to coordinate model [i](#)



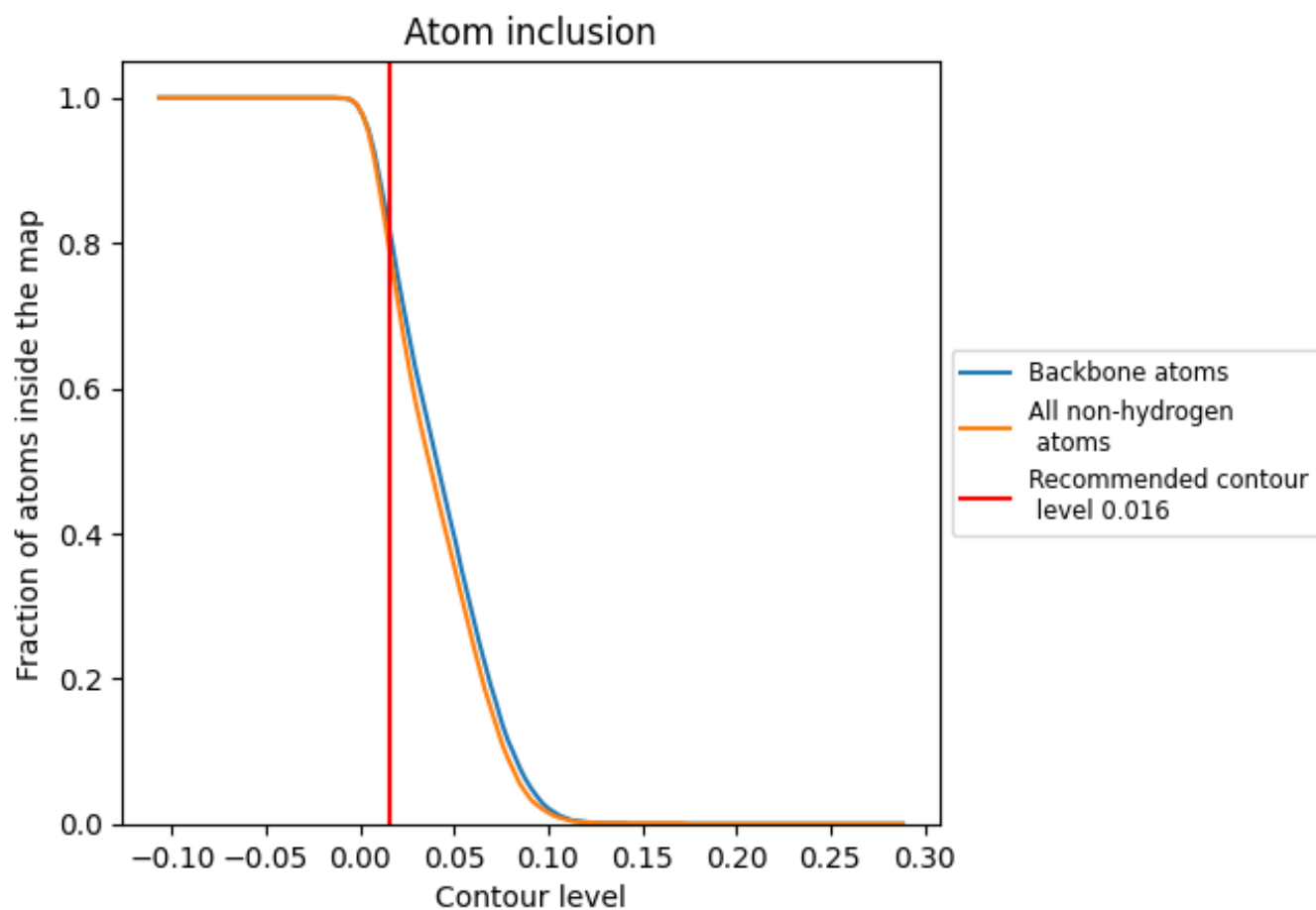
The images above show the model with each residue coloured according to its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions at which atoms can be resolved. Low Q-score values may therefore be expected for many entries.

9.3 Atom inclusion mapped to coordinate model [i](#)



The images above show the model with each residue coloured according to its atom inclusion. This shows to what extent they are inside the map at the recommended contour level (0.016).





































9.4 Atom inclusion [i](#)



At the recommended contour level, 82% of all backbone atoms, 78% of all non-hydrogen atoms, are inside the map.

9.5 Map-model fit summary

The table lists the average atom inclusion at the recommended contour level (0.016) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	 0.7850	 0.6620
1	 0.5470	 0.4670
2	 0.5650	 0.4990
3	 0.4990	 0.4530
4	 0.3480	 0.3730
5	 0.6250	 0.5340
A	 0.9480	 0.7870
B	 0.9320	 0.7720
C	 0.9780	 0.8100
D	 0.8930	 0.7170
E	 0.8800	 0.7220
F	 0.8730	 0.7150
I	 0.8930	 0.7250
J	 0.8960	 0.7440
K	 0.7180	 0.5880
L	 0.7930	 0.6310
M	 0.8300	 0.6850
O	 0.2150	 0.3110

