



# Full wwPDB X-ray Structure Validation Report ⓘ

Nov 14, 2023 – 04:34 PM JST

PDB ID : 5ZF0  
Title : X-ray Structure of the Electron Transfer Complex between Ferredoxin and Photosystem I  
Authors : Kubota-Kawai, H.; Mutoh, R.; Shinmura, K.; Setif, P.; Nowaczyk, M.; Roegner, M.; Ikegami, T.; Tanaka, T.; Kurisu, G.  
Deposited on : 2018-03-01  
Resolution : 4.20 Å(reported)

This is a Full wwPDB X-ray Structure Validation Report for a publicly released PDB entry.

We welcome your comments at [validation@mail.wwpdb.org](mailto:validation@mail.wwpdb.org)

A user guide is available at

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

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>.

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

MolProbity : 4.02b-467  
Mogul : 1.8.5 (274361), CSD as541be (2020)  
Xtrriage (Phenix) : 1.13  
EDS : 2.36  
buster-report : 1.1.7 (2018)  
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)  
Refmac : 5.8.0158  
CCP4 : 7.0.044 (Gargrove)  
Ideal geometry (proteins) : Engh & Huber (2001)  
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)  
Validation Pipeline (wwPDB-VP) : 2.36

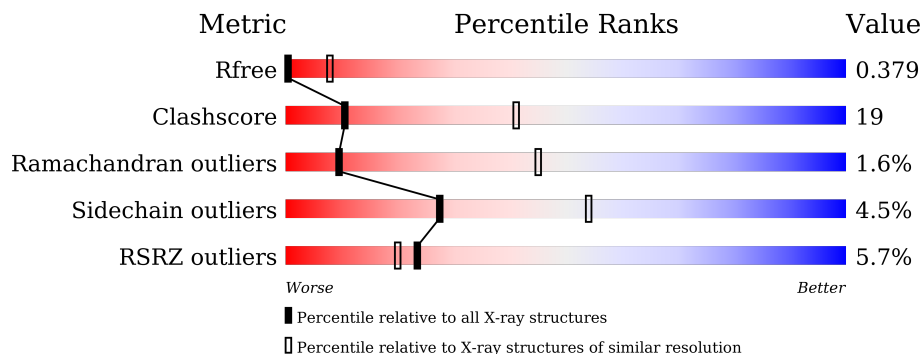
# 1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

*X-RAY DIFFRACTION*

The reported resolution of this entry is 4.20 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)	Similar resolution (#Entries, resolution range(Å))
$R_{free}$	130704	1005 (4.62-3.78)
Clashscore	141614	1044 (4.60-3.80)
Ramachandran outliers	138981	1000 (4.60-3.80)
Sidechain outliers	138945	1007 (4.62-3.78)
RSRZ outliers	127900	1063 (4.70-3.70)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower bar indicate the fraction of residues that contain outliers for  $\geq 3$ , 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 electron density. The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	A1	755	 12% 68% 28% ..
1	A2	755	 5% 68% 29% ..
1	A3	755	 4% 69% 27% ..
1	A4	755	 8% 68% 29% ..
1	A5	755	 5% 70% 26% ..

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Mol	Chain	Length	Quality of chain
1	A6	755	4% 70% 27% ..
2	B1	740	8% 63% 35% .
2	B2	740	2% 67% 30% .
2	B3	740	2% 68% 29% .
2	B4	740	3% 64% 33% .
2	B5	740	5% 69% 28% .
2	B6	740	3% 69% 29% .
3	C1	80	28% 65% 29% 5% .
3	C2	80	% 64% 30% 6% .
3	C3	80	6% 69% 28% .
3	C4	80	9% 59% 40% .
3	C5	80	16% 58% 30% 8% 5% .
3	C6	80	8% 65% 30% ..
4	D1	138	7% 79% 20% .
4	D2	138	% 76% 22% .
4	D3	138	% 74% 24% .
4	D4	138	2% 74% 25% .
4	D5	138	9% 83% 16% .
4	D6	138	4% 75% 24% .
5	E1	75	25% 76% 12% 8% .
5	E2	75	9% 72% 16% 8% .
5	E3	75	5% 71% 13% 8% 8% .
5	E4	75	19% 72% 16% 8% .
5	E5	75	11% 81% 8% 8% .
5	E6	75	13% 71% 17% 8% .

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Mol	Chain	Length	Quality of chain
6	F1	164	
6	F2	164	
6	F3	164	
6	F4	164	
6	F5	164	
6	F6	164	
7	I1	38	
7	I2	38	
7	I3	38	
7	I4	38	
7	I5	38	
7	I6	38	
8	J1	41	
8	J2	41	
8	J3	41	
8	J4	41	
8	J5	41	
8	J6	41	
9	K1	83	
9	K2	83	
9	K3	83	
9	K4	83	
9	K5	83	
9	K6	83	
10	L1	154	

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Mol	Chain	Length	Quality of chain
10	L2	154	3% 64% 31% ..
10	L3	154	% 65% 31% ..
10	L4	154	% 68% 26% 5% .
10	L5	154	% 56% 37% 5% .
10	L6	154	% 62% 31% 5% .
11	M1	31	77% 19% .
11	M2	31	3% 68% 26% 6%
11	M3	31	3% 48% 45% ..
11	M4	31	3% 55% 39% 6%
11	M5	31	81% 13% 6%
11	M6	31	68% 26% ..
12	X1	35	9% 66% 14% 17%
12	X2	35	3% 63% 17% 17%
12	X3	35	9% 69% 11% 17%
12	X4	35	6% 66% 14% 17%
12	X5	35	74% 9% 17%
12	X6	35	6% 71% 9% 17%
13	P1	97	19% 88% 12%
13	P2	97	14% 82% 18%
13	P3	97	6% 82% 18%
13	P4	97	5% 85% 15%
13	P5	97	13% 84% 16%
13	P6	97	2% 85% 15%

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
14	CLA	A1	802	X	-	-	X
14	CLA	A1	803	-	-	-	X
14	CLA	A1	804	X	-	-	X
14	CLA	A1	805	X	-	-	X
14	CLA	A1	809	-	-	-	X
14	CLA	A1	810	-	-	-	X
14	CLA	A1	811	-	-	-	X
14	CLA	A1	812	X	-	-	X
14	CLA	A1	814	-	-	-	X
14	CLA	A1	815	-	-	-	X
14	CLA	A1	816	-	-	-	X
14	CLA	A1	819	-	-	-	X
14	CLA	A1	820	-	-	-	X
14	CLA	A1	824	X	-	-	X
14	CLA	A1	826	X	-	-	X
14	CLA	A1	827	-	-	-	X
14	CLA	A1	833	-	-	-	X
14	CLA	A1	834	X	-	-	-
14	CLA	A1	837	-	-	-	X
14	CLA	A1	840	X	-	-	X
14	CLA	A2	1601	-	-	-	X
14	CLA	A2	1605	X	-	-	-
14	CLA	A2	1606	-	-	-	X
14	CLA	A2	1607	X	-	-	X
14	CLA	A2	1608	X	-	-	-
14	CLA	A2	1615	X	-	-	X
14	CLA	A2	1618	-	-	-	X
14	CLA	A2	1627	X	-	-	X
14	CLA	A2	1629	X	-	-	-
14	CLA	A2	1638	X	-	-	-
14	CLA	A2	1645	X	-	-	X
14	CLA	A3	803	X	-	-	-
14	CLA	A3	805	X	-	-	-
14	CLA	A3	806	X	-	-	-
14	CLA	A3	809	-	-	-	X
14	CLA	A3	813	X	-	-	-
14	CLA	A3	825	X	-	-	-
14	CLA	A3	827	X	-	-	-
14	CLA	A3	837	X	-	-	-
14	CLA	A3	844	X	-	-	-
14	CLA	A4	802	X	-	-	-
14	CLA	A4	804	X	-	-	X
14	CLA	A4	805	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	A4	806	-	-	-	X
14	CLA	A4	809	-	-	-	X
14	CLA	A4	812	X	-	-	-
14	CLA	A4	815	-	-	-	X
14	CLA	A4	816	-	-	-	X
14	CLA	A4	824	X	-	-	X
14	CLA	A4	825	-	-	-	X
14	CLA	A4	826	X	-	-	-
14	CLA	A4	835	X	-	-	-
14	CLA	A4	842	X	-	-	X
14	CLA	A4	853	-	-	-	X
14	CLA	A5	803	X	-	-	-
14	CLA	A5	805	X	-	-	-
14	CLA	A5	806	X	-	-	-
14	CLA	A5	810	-	-	-	X
14	CLA	A5	813	X	-	-	-
14	CLA	A5	815	-	-	-	X
14	CLA	A5	816	-	-	-	X
14	CLA	A5	825	X	-	-	-
14	CLA	A5	827	X	-	-	-
14	CLA	A5	836	X	-	-	-
14	CLA	A6	1601	-	-	-	X
14	CLA	A6	1605	X	-	-	-
14	CLA	A6	1606	X	-	-	-
14	CLA	A6	1610	-	-	-	X
14	CLA	A6	1613	X	-	-	-
14	CLA	A6	1625	X	-	-	-
14	CLA	A6	1627	X	-	-	-
14	CLA	A6	1636	X	-	-	-
14	CLA	A6	1641	X	-	-	-
14	CLA	B1	801	-	-	-	X
14	CLA	B1	802	-	-	-	X
14	CLA	B1	804	-	-	X	-
14	CLA	B1	805	-	-	-	X
14	CLA	B1	807	X	-	X	-
14	CLA	B1	808	X	-	-	-
14	CLA	B1	813	-	-	-	X
14	CLA	B1	814	X	-	-	X
14	CLA	B1	817	-	-	X	X
14	CLA	B1	818	-	-	X	X
14	CLA	B1	820	-	-	-	X
14	CLA	B1	821	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	B1	822	-	-	-	X
14	CLA	B1	823	-	-	-	X
14	CLA	B1	824	-	-	-	X
14	CLA	B1	825	X	-	-	X
14	CLA	B1	826	-	-	-	X
14	CLA	B1	827	X	-	-	X
14	CLA	B1	834	-	-	-	X
14	CLA	B1	835	-	-	-	X
14	CLA	B1	838	X	-	-	X
14	CLA	B1	840	-	-	-	X
14	CLA	B1	853	-	-	-	X
14	CLA	B1	854	X	-	X	-
14	CLA	B2	804	X	-	-	-
14	CLA	B2	805	X	-	-	-
14	CLA	B2	809	X	-	-	-
14	CLA	B2	812	X	-	-	-
14	CLA	B2	815	-	-	-	X
14	CLA	B2	818	-	-	-	X
14	CLA	B2	821	-	-	-	X
14	CLA	B2	823	X	-	-	-
14	CLA	B2	825	X	-	-	-
14	CLA	B2	829	-	-	-	X
14	CLA	B2	830	-	-	-	X
14	CLA	B2	836	X	-	-	-
14	CLA	B3	1807	X	-	-	-
14	CLA	B3	1808	X	-	-	-
14	CLA	B3	1812	X	-	-	-
14	CLA	B3	1815	X	-	-	-
14	CLA	B3	1817	-	-	-	X
14	CLA	B3	1821	-	-	-	X
14	CLA	B3	1824	-	-	-	X
14	CLA	B3	1825	-	-	-	X
14	CLA	B3	1826	X	-	-	X
14	CLA	B3	1828	X	-	-	-
14	CLA	B3	1839	X	-	-	-
14	CLA	B4	807	X	-	-	-
14	CLA	B4	808	X	-	-	-
14	CLA	B4	809	-	-	-	X
14	CLA	B4	811	-	-	-	X
14	CLA	B4	812	X	-	-	-
14	CLA	B4	813	-	-	-	X
14	CLA	B4	815	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	B4	817	-	-	-	X
14	CLA	B4	821	-	-	-	X
14	CLA	B4	824	-	-	-	X
14	CLA	B4	826	X	-	-	-
14	CLA	B4	827	-	-	-	X
14	CLA	B4	828	X	-	-	-
14	CLA	B4	839	X	-	-	-
14	CLA	B5	1801	-	-	-	X
14	CLA	B5	1803	-	-	X	-
14	CLA	B5	1807	X	-	-	-
14	CLA	B5	1808	X	-	-	-
14	CLA	B5	1812	X	-	-	-
14	CLA	B5	1813	-	-	-	X
14	CLA	B5	1814	-	-	-	X
14	CLA	B5	1815	X	-	-	X
14	CLA	B5	1817	-	-	-	X
14	CLA	B5	1818	-	-	-	X
14	CLA	B5	1819	-	-	-	X
14	CLA	B5	1821	-	-	-	X
14	CLA	B5	1822	-	-	-	X
14	CLA	B5	1823	-	-	-	X
14	CLA	B5	1826	X	-	-	X
14	CLA	B5	1827	-	-	-	X
14	CLA	B5	1828	X	-	-	-
14	CLA	B5	1836	-	-	-	X
14	CLA	B5	1839	X	-	-	X
14	CLA	B6	806	X	-	-	-
14	CLA	B6	807	X	-	-	-
14	CLA	B6	810	X	-	-	-
14	CLA	B6	813	X	-	-	-
14	CLA	B6	816	-	-	-	X
14	CLA	B6	819	-	-	-	X
14	CLA	B6	823	-	-	-	X
14	CLA	B6	824	X	-	-	-
14	CLA	B6	826	X	-	-	-
14	CLA	B6	831	-	-	-	X
14	CLA	B6	837	X	-	-	-
14	CLA	F1	1301	-	-	-	X
14	CLA	F2	204	-	-	-	X
14	CLA	F3	202	-	-	-	X
14	CLA	F4	202	-	-	-	X
14	CLA	F5	1301	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CLA	F6	202	-	-	-	X
14	CLA	J1	101	X	-	-	X
14	CLA	J1	102	-	-	-	X
14	CLA	J2	101	X	-	-	-
14	CLA	J3	101	X	-	-	-
14	CLA	J3	102	-	-	-	X
14	CLA	J4	101	X	-	-	X
14	CLA	J5	101	X	-	-	X
14	CLA	J6	1101	X	-	-	-
14	CLA	J6	1102	X	-	-	-
14	CLA	K1	1401	-	-	-	X
14	CLA	K5	101	X	-	-	-
14	CLA	L3	202	-	-	-	X
14	CLA	L3	205	-	-	-	X
14	CLA	L5	202	-	-	-	X
14	CLA	M3	1601	-	-	-	X
14	CLA	X3	102	-	-	-	X
14	CLA	X5	101	-	-	-	X
15	PQN	A1	841	-	-	-	X
15	PQN	A2	1646	-	-	-	X
15	PQN	A4	843	-	-	-	X
15	PQN	A5	844	-	-	-	X
15	PQN	B3	1844	-	-	-	X
15	PQN	B4	844	-	-	-	X
15	PQN	B5	1844	-	-	-	X
16	BCR	A1	842	-	-	-	X
16	BCR	A1	843	-	-	-	X
16	BCR	A1	844	-	-	-	X
16	BCR	A1	845	-	-	-	X
16	BCR	A1	846	-	-	-	X
16	BCR	A1	847	-	-	-	X
16	BCR	A2	1647	-	-	-	X
16	BCR	A2	1648	-	-	-	X
16	BCR	A2	1649	-	-	-	X
16	BCR	A2	1650	-	-	-	X
16	BCR	A2	1651	-	-	-	X
16	BCR	A2	1652	-	-	-	X
16	BCR	A3	847	-	-	-	X
16	BCR	A3	849	-	-	-	X
16	BCR	A3	850	-	-	-	X
16	BCR	A4	844	-	-	-	X
16	BCR	A4	845	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
16	BCR	A4	846	-	-	-	X
16	BCR	A4	847	-	-	-	X
16	BCR	A4	848	-	-	-	X
16	BCR	A4	849	-	-	-	X
16	BCR	A5	845	-	-	-	X
16	BCR	A5	846	-	-	-	X
16	BCR	A5	847	-	-	-	X
16	BCR	A5	848	-	-	-	X
16	BCR	A5	849	-	-	-	X
16	BCR	A5	850	-	-	-	X
16	BCR	A5	853	-	-	-	X
16	BCR	A6	1643	-	-	-	X
16	BCR	A6	1644	-	-	-	X
16	BCR	A6	1645	-	-	-	X
16	BCR	A6	1646	-	-	-	X
16	BCR	A6	1648	-	-	-	X
16	BCR	B1	843	-	-	-	X
16	BCR	B1	844	-	-	-	X
16	BCR	B1	845	-	-	-	X
16	BCR	B1	846	-	-	-	X
16	BCR	B1	847	-	-	-	X
16	BCR	B1	848	-	-	-	X
16	BCR	B1	849	-	-	-	X
16	BCR	B1	852	-	-	-	X
16	BCR	B2	842	-	-	-	X
16	BCR	B2	843	-	-	-	X
16	BCR	B2	844	-	-	-	X
16	BCR	B2	845	-	-	-	X
16	BCR	B2	846	-	-	-	X
16	BCR	B3	1845	-	-	-	X
16	BCR	B3	1846	-	-	-	X
16	BCR	B3	1847	-	-	-	X
16	BCR	B3	1848	-	-	-	X
16	BCR	B3	1849	-	-	-	X
16	BCR	B3	1851	-	-	-	X
16	BCR	B4	845	-	-	-	X
16	BCR	B4	846	-	-	-	X
16	BCR	B4	847	-	-	-	X
16	BCR	B4	848	-	-	-	X
16	BCR	B4	849	-	-	-	X
16	BCR	B5	1845	-	-	-	X
16	BCR	B5	1846	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
16	BCR	B5	1847	-	-	-	X
16	BCR	B5	1848	-	-	-	X
16	BCR	B5	1849	-	-	-	X
16	BCR	B5	1850	-	-	-	X
16	BCR	B6	843	-	-	-	X
16	BCR	B6	844	-	-	-	X
16	BCR	B6	845	-	-	-	X
16	BCR	B6	846	-	-	-	X
16	BCR	B6	847	-	-	-	X
16	BCR	B6	850	-	-	-	X
16	BCR	F1	1302	-	-	-	X
16	BCR	F2	203	-	-	-	X
16	BCR	F3	201	-	-	-	X
16	BCR	F3	203	-	-	-	X
16	BCR	F4	201	-	-	-	X
16	BCR	F4	203	-	-	-	X
16	BCR	F4	204	-	-	-	X
16	BCR	F6	201	-	-	-	X
16	BCR	F6	203	-	-	-	X
16	BCR	I2	101	-	-	-	X
16	BCR	I4	101	-	-	-	X
16	BCR	I4	102	-	-	-	X
16	BCR	I5	101	-	-	-	X
16	BCR	J1	103	-	-	-	X
16	BCR	J1	104	-	-	-	X
16	BCR	J2	103	-	-	-	X
16	BCR	J3	104	-	-	-	X
16	BCR	J4	103	-	-	-	X
16	BCR	J4	104	-	-	-	X
16	BCR	J5	103	-	-	-	X
16	BCR	J5	104	-	-	-	X
16	BCR	J5	105	-	-	-	X
16	BCR	J6	1104	-	-	-	X
16	BCR	J6	1105	-	-	-	X
16	BCR	L1	209	-	-	-	X
16	BCR	L2	203	-	-	-	X
16	BCR	L3	201	-	-	-	X
16	BCR	L4	208	-	-	-	X
16	BCR	L5	201	-	-	-	X
16	BCR	L6	201	-	-	-	X
16	BCR	M1	1202	-	-	-	X
16	BCR	M3	1602	-	-	-	X

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
16	BCR	M4	101	-	-	-	X
16	BCR	M5	101	-	-	-	X
16	BCR	M6	1202	-	-	-	X
17	LHG	A1	848	-	-	-	X
17	LHG	A1	849	X	-	-	-
17	LHG	A2	1653	-	-	-	X
17	LHG	A2	1654	X	-	-	-
17	LHG	A3	854	X	-	-	-
17	LHG	A4	850	-	-	-	X
17	LHG	A4	851	X	-	-	-
17	LHG	A5	851	-	-	-	X
17	LHG	A5	852	X	-	-	-
17	LHG	A6	1650	X	-	-	-
17	LHG	B1	851	-	-	-	X
17	LHG	B6	849	-	-	-	X
17	LHG	X4	101	-	-	-	X
18	SF4	A1	850	-	-	X	-
18	SF4	A2	1655	-	-	X	-
18	SF4	A3	855	-	-	X	-
18	SF4	A4	852	-	-	X	-
18	SF4	A5	854	-	-	X	-
18	SF4	B6	801	-	-	X	-
18	SF4	C1	101	-	-	X	-
18	SF4	C1	102	-	-	X	-
18	SF4	C2	101	-	-	X	-
18	SF4	C2	102	-	-	X	-
18	SF4	C3	101	-	-	X	-
18	SF4	C3	102	-	-	X	-
18	SF4	C4	101	-	-	X	-
18	SF4	C4	102	-	-	X	-
18	SF4	C5	101	-	-	X	-
18	SF4	C5	102	-	-	X	-
18	SF4	C6	101	-	-	X	-
18	SF4	C6	102	-	-	X	-
19	LMG	B1	850	-	-	-	X
19	LMG	B2	848	-	-	-	X
19	LMG	B3	1850	-	-	-	X
19	LMG	B4	851	-	-	-	X
19	LMG	B5	1851	-	-	-	X
19	LMG	B6	848	-	-	-	X
20	CA	L2	204	-	-	-	X
20	CA	L6	205	-	-	-	X

## 2 Entry composition

There are 21 unique types of molecules in this entry. The entry contains 148494 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the ZeroOcc column contains the number of atoms modelled with zero occupancy, 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					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
1	A1	740	5784	3794	988	976	26	0	0	0
1	A2	740	5784	3794	988	976	26	0	0	0
1	A3	740	5784	3794	988	976	26	0	0	0
1	A4	740	5784	3794	988	976	26	0	0	0
1	A6	740	5784	3794	988	976	26	0	0	0
1	A5	740	5784	3794	988	976	26	0	0	0

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
2	B1	739	5879	3867	986	1005	21	0	0	0
2	B2	739	5879	3867	986	1005	21	0	0	0
2	B3	739	5879	3867	986	1005	21	0	0	0
2	B4	739	5879	3867	986	1005	21	0	0	0
2	B6	739	5879	3867	986	1005	21	0	0	0
2	B5	739	5879	3867	986	1005	21	0	0	0

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
3	C1	80	Total	C	N	O	S	0	0	0
			598	367	103	117	11			
3	C2	80	Total	C	N	O	S	0	0	0
			598	367	103	117	11			
3	C3	80	Total	C	N	O	S	0	0	0
			598	367	103	117	11			
3	C4	80	Total	C	N	O	S	0	0	0
			598	367	103	117	11			
3	C6	80	Total	C	N	O	S	0	0	0
			598	367	103	117	11			
3	C5	80	Total	C	N	O	S	0	0	0
			598	367	103	117	11			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
4	D1	138	Total	C	N	O	S	0	0	0
			1075	682	186	204	3			
4	D2	138	Total	C	N	O	S	0	0	0
			1075	682	186	204	3			
4	D3	138	Total	C	N	O	S	0	0	0
			1075	682	186	204	3			
4	D4	138	Total	C	N	O	S	0	0	0
			1075	682	186	204	3			
4	D6	138	Total	C	N	O	S	0	0	0
			1075	682	186	204	3			
4	D5	138	Total	C	N	O	S	0	0	0
			1075	682	186	204	3			

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

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
5	E1	69	Total	C	N	O	0	0	0
			539	342	93	104			
5	E2	69	Total	C	N	O	0	0	0
			539	342	93	104			
5	E3	69	Total	C	N	O	0	0	0
			539	342	93	104			
5	E4	69	Total	C	N	O	0	0	0
			539	342	93	104			
5	E6	69	Total	C	N	O	0	0	0
			539	342	93	104			
5	E5	69	Total	C	N	O	0	0	0
			539	342	93	104			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
6	F1	141	Total	C	N	O	S	0	0	0
			1065	680	184	197	4			
6	F2	141	Total	C	N	O	S	0	0	0
			1065	680	184	197	4			
6	F3	141	Total	C	N	O	S	0	0	0
			1065	680	184	197	4			
6	F4	141	Total	C	N	O	S	0	0	0
			1065	680	184	197	4			
6	F6	141	Total	C	N	O	S	0	0	0
			1065	680	184	197	4			
6	F5	141	Total	C	N	O	S	0	0	0
			1065	680	184	197	4			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
7	I1	38	Total	C	N	O	S	0	0	0
			301	208	40	48	5			
7	I2	38	Total	C	N	O	S	0	0	0
			301	208	40	48	5			
7	I3	38	Total	C	N	O	S	0	0	0
			301	208	40	48	5			
7	I4	38	Total	C	N	O	S	0	0	0
			301	208	40	48	5			
7	I6	38	Total	C	N	O	S	0	0	0
			301	208	40	48	5			
7	I5	38	Total	C	N	O	S	0	0	0
			301	208	40	48	5			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	J1	41	Total	C	N	O	S	0	0	0
			338	231	51	54	2			
8	J2	41	Total	C	N	O	S	0	0	0
			338	231	51	54	2			
8	J3	41	Total	C	N	O	S	0	0	0
			338	231	51	54	2			
8	J4	41	Total	C	N	O	S	0	0	0
			338	231	51	54	2			
8	J6	41	Total	C	N	O	S	0	0	0
			338	231	51	54	2			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
8	J5	41	Total	C	N	O	S	0	0	0
			338	231	51	54	2			

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
9	K1	46	Total	C	N	O	0	0	0	
			222	130	46	46				
9	K2	46	Total	C	N	O	0	0	0	
			222	130	46	46				
9	K3	46	Total	C	N	O	0	0	0	
			222	130	46	46				
9	K4	46	Total	C	N	O	0	0	0	
			222	130	46	46				
9	K6	46	Total	C	N	O	0	0	0	
			222	130	46	46				
9	K5	46	Total	C	N	O	0	0	0	
			222	130	46	46				

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
10	L1	151	Total	C	N	O	S	0	0	0
			1119	735	179	201	4			
10	L2	151	Total	C	N	O	S	0	0	0
			1119	735	179	201	4			
10	L3	151	Total	C	N	O	S	0	0	0
			1119	735	179	201	4			
10	L4	151	Total	C	N	O	S	0	0	0
			1119	735	179	201	4			
10	L6	151	Total	C	N	O	S	0	0	0
			1119	735	179	201	4			
10	L5	151	Total	C	N	O	S	0	0	0
			1119	735	179	201	4			

There are 6 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
L1	143	LEU	SER	conflict	UNP Q8DGB4
L2	143	LEU	SER	conflict	UNP Q8DGB4
L3	143	LEU	SER	conflict	UNP Q8DGB4
L4	143	LEU	SER	conflict	UNP Q8DGB4

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Chain	Residue	Modelled	Actual	Comment	Reference
L6	143	LEU	SER	conflict	UNP Q8DGB4
L5	143	LEU	SER	conflict	UNP Q8DGB4

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

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
11	M1	31	Total	C	N	O	S	0	0	0
			241	161	36	43	1			
11	M2	31	Total	C	N	O	S	0	0	0
			241	161	36	43	1			
11	M3	31	Total	C	N	O	S	0	0	0
			241	161	36	43	1			
11	M4	31	Total	C	N	O	S	0	0	0
			241	161	36	43	1			
11	M6	31	Total	C	N	O	S	0	0	0
			241	161	36	43	1			
11	M5	31	Total	C	N	O	S	0	0	0
			241	161	36	43	1			

- Molecule 12 is a protein called PsaX.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
12	X1	29	Total	C	N	O	0	0	0
			233	164	34	35			
12	X2	29	Total	C	N	O	0	0	0
			233	164	34	35			
12	X3	29	Total	C	N	O	0	0	0
			233	164	34	35			
12	X4	29	Total	C	N	O	0	0	0
			233	164	34	35			
12	X6	29	Total	C	N	O	0	0	0
			233	164	34	35			
12	X5	29	Total	C	N	O	0	0	0
			233	164	34	35			

- Molecule 13 is a protein called Ferredoxin-1.

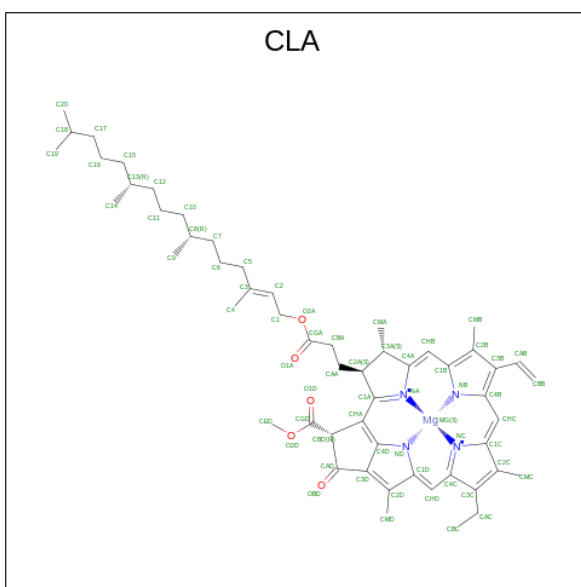
Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
13	P1	97	Total	C	N	O	S	0	0	0
			748	463	116	164	5			
13	P2	97	Total	C	N	O	S	0	0	0
			748	463	116	164	5			

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
13	P3	97	Total	C	N	O	S	0	0	0
			748	463	116	164	5			
13	P4	97	Total	C	N	O	S	0	0	0
			748	463	116	164	5			
13	P6	97	Total	C	N	O	S	0	0	0
			748	463	116	164	5			
13	P5	97	Total	C	N	O	S	0	0	0
			748	463	116	164	5			

- Molecule 14 is CHLOROPHYLL A (three-letter code: CLA) (formula:  $C_{55}H_{72}MgN_4O_5$ ).



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A1	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	A1	1	65	55	1	4	5	0	0
14	A1	1	45	35	1	4	5	0	0
14	A1	1	65	55	1	4	5	0	0
14	A1	1	54	44	1	4	5	0	0
14	A1	1	60	50	1	4	5	0	0
14	A1	1	45	35	1	4	5	0	0
14	A1	1	45	35	1	4	5	0	0
14	A1	1	49	39	1	4	5	0	0
14	A1	1	54	44	1	4	5	0	0
14	A1	1	54	44	1	4	5	0	0
14	A1	1	65	55	1	4	5	0	0
14	A1	1	61	51	1	4	5	0	0
14	A1	1	65	55	1	4	5	0	0
14	A1	1	49	39	1	4	5	0	0
14	A1	1	51	41	1	4	5	0	0
14	A1	1	59	49	1	4	5	0	0
14	A1	1	65	55	1	4	5	0	0
14	A1	1	65	55	1	4	5	0	0
14	A1	1	65	55	1	4	5	0	0
14	A1	1	65	55	1	4	5	0	0
14	A1	1	65	55	1	4	5	0	0
14	A1	1	65	55	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	A1	1	65	55	1	4	5	0	0
14	A1	1	50	40	1	4	5	0	0
14	A1	1	65	55	1	4	5	0	0
14	A1	1	54	44	1	4	5	0	0
14	A1	1	45	35	1	4	5	0	0
14	A1	1	51	41	1	4	5	0	0
14	A1	1	65	55	1	4	5	0	0
14	A1	1	47	37	1	4	5	0	0
14	A1	1	51	41	1	4	5	0	0
14	A1	1	65	55	1	4	5	0	0
14	A1	1	65	55	1	4	5	0	0
14	A1	1	41	33	1	4	3	0	0
14	B1	1	65	55	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	B1	1	65	55	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0
14	B1	1	45	35	1	4	5	0	0
14	B1	1	45	35	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0
14	B1	1	45	35	1	4	5	0	0
14	B1	1	55	45	1	4	5	0	0
14	B1	1	59	49	1	4	5	0	0
14	B1	1	60	50	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0
14	B1	1	47	37	1	4	5	0	0
14	B1	1	45	35	1	4	5	0	0
14	B1	1	55	45	1	4	5	0	0
14	B1	1	45	35	1	4	5	0	0
14	B1	1	54	44	1	4	5	0	0
14	B1	1	46	36	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	B1	1	45	35	1	4	5	0	0
14	B1	1	49	39	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0
14	B1	1	58	48	1	4	5	0	0
14	B1	1	45	35	1	4	5	0	0
14	B1	1	45	35	1	4	5	0	0
14	B1	1	45	35	1	4	5	0	0
14	B1	1	60	50	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0
14	B1	1	47	37	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0
14	B1	1	52	42	1	4	5	0	0
14	B1	1	65	55	1	4	5	0	0
14	F1	1	45	35	1	4	5	0	0
14	I1	1	65	55	1	4	5	0	0
14	J1	1	45	35	1	4	5	0	0
14	J1	1	37	31	1	4	1	0	0
14	K1	1	45	35	1	4	5	0	0
14	L1	1	65	55	1	4	5	0	0
14	L1	1	65	55	1	4	5	0	0
14	L1	1	65	55	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	L1	1	65	55	1	4	5	0	0
14	L1	1	65	55	1	4	5	0	0
14	M1	1	54	44	1	4	5	0	0
14	X1	1	45	35	1	4	5	0	0
14	A2	1	45	35	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	59	49	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	51	41	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	45	35	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	54	44	1	4	5	0	0
14	A2	1	60	50	1	4	5	0	0
14	A2	1	45	35	1	4	5	0	0
14	A2	1	45	35	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	A2	1	49	39	1	4	5	0	0
14	A2	1	54	44	1	4	5	0	0
14	A2	1	54	44	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	61	51	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	49	39	1	4	5	0	0
14	A2	1	51	41	1	4	5	0	0
14	A2	1	59	49	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	50	40	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	54	44	1	4	5	0	0
14	A2	1	45	35	1	4	5	0	0
14	A2	1	51	41	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	A2	1	65	55	1	4	5	0	0
14	A2	1	47	37	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	51	41	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	65	55	1	4	5	0	0
14	A2	1	41	33	1	4	3	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	45	35	1	4	5	0	0
14	B2	1	45	35	1	4	5	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	45	35	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	B2	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			47	37	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			55	45	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			46	36	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			49	39	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			58	48	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B2	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	B2	1	60	50	1	4	5	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	47	37	1	4	5	0	0
14	B2	1	65	55	1	4	5	0	0
14	B2	1	65	55	1	4	5	0	0
14	F2	1	45	35	1	4	5	0	0
14	F2	1	37	31	1	4	1	0	0
14	J2	1	45	35	1	4	5	0	0
14	K2	1	45	35	1	4	5	0	0
14	L2	1	65	55	1	4	5	0	0
14	L2	1	65	55	1	4	5	0	0
14	L2	1	65	55	1	4	5	0	0
14	L2	1	65	55	1	4	5	0	0
14	M2	1	54	44	1	4	5	0	0
14	X2	1	45	35	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	59	49	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	A3	1	51	41	1	4	5	0	0
14	A3	1	Total	C	Mg	N	O		
			65	55	1	4	5	0	0
14	A3	1	Total	C	Mg	N	O		
			65	55	1	4	5	0	0
14	A3	1	Total	C	Mg	N	O		
			45	35	1	4	5	0	0
14	A3	1	Total	C	Mg	N	O		
			65	55	1	4	5	0	0
14	A3	1	Total	C	Mg	N	O		
			54	44	1	4	5	0	0
14	A3	1	Total	C	Mg	N	O		
			60	50	1	4	5	0	0
14	A3	1	Total	C	Mg	N	O		
			45	35	1	4	5	0	0
14	A3	1	Total	C	Mg	N	O		
			45	35	1	4	5	0	0
14	A3	1	Total	C	Mg	N	O		
			49	39	1	4	5	0	0
14	A3	1	Total	C	Mg	N	O		
			54	44	1	4	5	0	0
14	A3	1	Total	C	Mg	N	O		
			54	44	1	4	5	0	0
14	A3	1	Total	C	Mg	N	O		
			65	55	1	4	5	0	0
14	A3	1	Total	C	Mg	N	O		
			61	51	1	4	5	0	0
14	A3	1	Total	C	Mg	N	O		
			65	55	1	4	5	0	0
14	A3	1	Total	C	Mg	N	O		
			49	39	1	4	5	0	0
14	A3	1	Total	C	Mg	N	O		
			51	41	1	4	5	0	0
14	A3	1	Total	C	Mg	N	O		
			59	49	1	4	5	0	0
14	A3	1	Total	C	Mg	N	O		
			65	55	1	4	5	0	0
14	A3	1	Total	C	Mg	N	O		
			65	55	1	4	5	0	0
14	A3	1	Total	C	Mg	N	O		
			65	55	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	A3	1	65	55	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	50	40	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	54	44	1	4	5	0	0
14	A3	1	45	35	1	4	5	0	0
14	A3	1	51	41	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	47	37	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	51	41	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	65	55	1	4	5	0	0
14	A3	1	41	33	1	4	3	0	0
14	A3	1	52	42	1	4	5	0	0
14	B3	1	52	42	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	B3	1	65	55	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	54	44	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	45	35	1	4	5	0	0
14	B3	1	45	35	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	45	35	1	4	5	0	0
14	B3	1	55	45	1	4	5	0	0
14	B3	1	59	49	1	4	5	0	0
14	B3	1	60	50	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	47	37	1	4	5	0	0
14	B3	1	45	35	1	4	5	0	0
14	B3	1	55	45	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	B3	1	45	35	1	4	5	0	0
14	B3	1	54	44	1	4	5	0	0
14	B3	1	46	36	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	45	35	1	4	5	0	0
14	B3	1	49	39	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	58	48	1	4	5	0	0
14	B3	1	45	35	1	4	5	0	0
14	B3	1	45	35	1	4	5	0	0
14	B3	1	45	35	1	4	5	0	0
14	B3	1	60	50	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	47	37	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	B3	1	65	55	1	4	5	0	0
14	F3	1	45	35	1	4	5	0	0
14	J3	1	45	35	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	J3	1	Total	C	Mg	N	O	0	0
			37	31	1	4	1		
14	K3	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	L3	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	L3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L3	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	M3	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	X3	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	A4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	A4	1	45	35	1	4	5	0	0
14	A4	1	Total	C	Mg	N	O		
			49	39	1	4	5	0	0
14	A4	1	Total	C	Mg	N	O		
			54	44	1	4	5	0	0
14	A4	1	Total	C	Mg	N	O		
			54	44	1	4	5	0	0
14	A4	1	Total	C	Mg	N	O		
			65	55	1	4	5	0	0
14	A4	1	Total	C	Mg	N	O		
			61	51	1	4	5	0	0
14	A4	1	Total	C	Mg	N	O		
			65	55	1	4	5	0	0
14	A4	1	Total	C	Mg	N	O		
			49	39	1	4	5	0	0
14	A4	1	Total	C	Mg	N	O		
			51	41	1	4	5	0	0
14	A4	1	Total	C	Mg	N	O		
			59	49	1	4	5	0	0
14	A4	1	Total	C	Mg	N	O		
			65	55	1	4	5	0	0
14	A4	1	Total	C	Mg	N	O		
			65	55	1	4	5	0	0
14	A4	1	Total	C	Mg	N	O		
			65	55	1	4	5	0	0
14	A4	1	Total	C	Mg	N	O		
			65	55	1	4	5	0	0
14	A4	1	Total	C	Mg	N	O		
			50	40	1	4	5	0	0
14	A4	1	Total	C	Mg	N	O		
			65	55	1	4	5	0	0
14	A4	1	Total	C	Mg	N	O		
			65	55	1	4	5	0	0
14	A4	1	Total	C	Mg	N	O		
			54	44	1	4	5	0	0
14	A4	1	Total	C	Mg	N	O		
			45	35	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	A4	1	51	41	1	4	5	0	0
14	A4	1	65	55	1	4	5	0	0
14	A4	1	47	37	1	4	5	0	0
14	A4	1	65	55	1	4	5	0	0
14	A4	1	51	41	1	4	5	0	0
14	A4	1	65	55	1	4	5	0	0
14	A4	1	65	55	1	4	5	0	0
14	A4	1	41	33	1	4	3	0	0
14	A4	1	45	35	1	4	5	0	0
14	B4	1	65	55	1	4	5	0	0
14	B4	1	65	55	1	4	5	0	0
14	B4	1	65	55	1	4	5	0	0
14	B4	1	65	55	1	4	5	0	0
14	B4	1	65	55	1	4	5	0	0
14	B4	1	54	44	1	4	5	0	0
14	B4	1	65	55	1	4	5	0	0
14	B4	1	65	55	1	4	5	0	0
14	B4	1	65	55	1	4	5	0	0
14	B4	1	65	55	1	4	5	0	0
14	B4	1	65	55	1	4	5	0	0
14	B4	1	65	55	1	4	5	0	0
14	B4	1	65	55	1	4	5	0	0
14	B4	1	65	55	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	B4	1	45	35	1	4	5	0	0
14	B4	1	45	35	1	4	5	0	0
14	B4	1	65	55	1	4	5	0	0
14	B4	1	65	55	1	4	5	0	0
14	B4	1	45	35	1	4	5	0	0
14	B4	1	55	45	1	4	5	0	0
14	B4	1	59	49	1	4	5	0	0
14	B4	1	60	50	1	4	5	0	0
14	B4	1	65	55	1	4	5	0	0
14	B4	1	47	37	1	4	5	0	0
14	B4	1	45	35	1	4	5	0	0
14	B4	1	55	45	1	4	5	0	0
14	B4	1	45	35	1	4	5	0	0
14	B4	1	54	44	1	4	5	0	0
14	B4	1	46	36	1	4	5	0	0
14	B4	1	65	55	1	4	5	0	0
14	B4	1	65	55	1	4	5	0	0
14	B4	1	65	55	1	4	5	0	0
14	B4	1	65	55	1	4	5	0	0
14	B4	1	45	35	1	4	5	0	0
14	B4	1	49	39	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			58	48	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			47	37	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	B4	1	Total	C	Mg	N	O	0	0
			52	42	1	4	5		
14	F4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	J4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	J4	1	Total	C	Mg	N	O	0	0
			37	31	1	4	1		
14	K4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	L4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L4	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	X4	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A6	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	A6	1	65	55	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	59	49	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	51	41	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	45	35	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	54	44	1	4	5	0	0
14	A6	1	60	50	1	4	5	0	0
14	A6	1	45	35	1	4	5	0	0
14	A6	1	45	35	1	4	5	0	0
14	A6	1	49	39	1	4	5	0	0
14	A6	1	54	44	1	4	5	0	0
14	A6	1	54	44	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	61	51	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	49	39	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	A6	1	51	41	1	4	5	0	0
14	A6	1	59	49	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	50	40	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	54	44	1	4	5	0	0
14	A6	1	45	35	1	4	5	0	0
14	A6	1	51	41	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	47	37	1	4	5	0	0
14	A6	1	51	41	1	4	5	0	0
14	A6	1	65	55	1	4	5	0	0
14	A6	1	41	33	1	4	3	0	0
14	A6	1	65	55	1	4	5	0	0
14	B6	1	65	55	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	B6	1	65	55	1	4	5	0	0
14	B6	1	65	55	1	4	5	0	0
14	B6	1	65	55	1	4	5	0	0
14	B6	1	65	55	1	4	5	0	0
14	B6	1	65	55	1	4	5	0	0
14	B6	1	65	55	1	4	5	0	0
14	B6	1	65	55	1	4	5	0	0
14	B6	1	65	55	1	4	5	0	0
14	B6	1	45	35	1	4	5	0	0
14	B6	1	45	35	1	4	5	0	0
14	B6	1	65	55	1	4	5	0	0
14	B6	1	65	55	1	4	5	0	0
14	B6	1	45	35	1	4	5	0	0
14	B6	1	55	45	1	4	5	0	0
14	B6	1	59	49	1	4	5	0	0
14	B6	1	60	50	1	4	5	0	0
14	B6	1	65	55	1	4	5	0	0
14	B6	1	47	37	1	4	5	0	0
14	B6	1	45	35	1	4	5	0	0
14	B6	1	55	45	1	4	5	0	0
14	B6	1	45	35	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	B6	1	54	44	1	4	5	0	0
14	B6	1	46	36	1	4	5	0	0
14	B6	1	65	55	1	4	5	0	0
14	B6	1	65	55	1	4	5	0	0
14	B6	1	65	55	1	4	5	0	0
14	B6	1	65	55	1	4	5	0	0
14	B6	1	45	35	1	4	5	0	0
14	B6	1	49	39	1	4	5	0	0
14	B6	1	65	55	1	4	5	0	0
14	B6	1	58	48	1	4	5	0	0
14	B6	1	45	35	1	4	5	0	0
14	B6	1	45	35	1	4	5	0	0
14	B6	1	45	35	1	4	5	0	0
14	B6	1	60	50	1	4	5	0	0
14	B6	1	65	55	1	4	5	0	0
14	B6	1	47	37	1	4	5	0	0
14	B6	1	65	55	1	4	5	0	0
14	B6	1	65	55	1	4	5	0	0
14	F6	1	45	35	1	4	5	0	0
14	I6	1	65	55	1	4	5	0	0
14	J6	1	65	55	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	J6	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	J6	1	Total	C	Mg	N	O	0	0
			37	31	1	4	1		
14	K6	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	L6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	L6	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	M6	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	X6	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	A5	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			60	50	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			49	39	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			54	44	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			61	51	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			49	39	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			51	41	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			59	49	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			50	40	1	4	5		
14	A5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	A5	1	65	55	1	4	5	0	0
14	A5	1	54	44	1	4	5	0	0
14	A5	1	45	35	1	4	5	0	0
14	A5	1	51	41	1	4	5	0	0
14	A5	1	65	55	1	4	5	0	0
14	A5	1	47	37	1	4	5	0	0
14	A5	1	65	55	1	4	5	0	0
14	A5	1	51	41	1	4	5	0	0
14	A5	1	65	55	1	4	5	0	0
14	A5	1	65	55	1	4	5	0	0
14	A5	1	52	42	1	4	5	0	0
14	B5	1	52	42	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	54	44	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	B5	1	65	55	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	45	35	1	4	5	0	0
14	B5	1	45	35	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	45	35	1	4	5	0	0
14	B5	1	55	45	1	4	5	0	0
14	B5	1	59	49	1	4	5	0	0
14	B5	1	60	50	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	47	37	1	4	5	0	0
14	B5	1	45	35	1	4	5	0	0
14	B5	1	55	45	1	4	5	0	0
14	B5	1	45	35	1	4	5	0	0
14	B5	1	54	44	1	4	5	0	0
14	B5	1	46	36	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0

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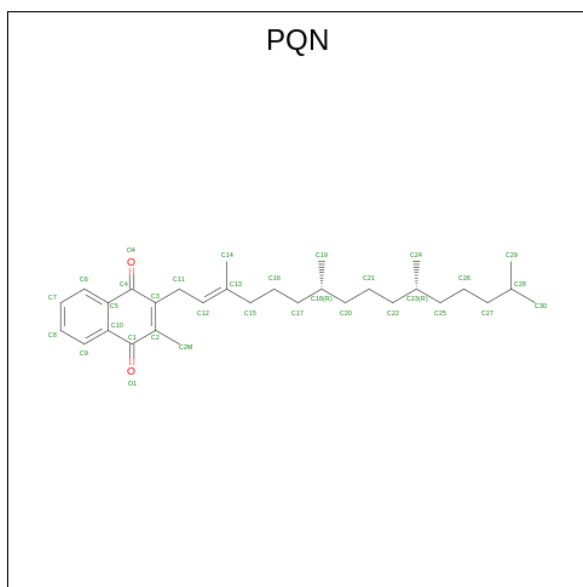
Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
			Total	C	Mg	N	O		
14	B5	1	45	35	1	4	5	0	0
14	B5	1	49	39	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	58	48	1	4	5	0	0
14	B5	1	45	35	1	4	5	0	0
14	B5	1	45	35	1	4	5	0	0
14	B5	1	45	35	1	4	5	0	0
14	B5	1	60	50	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	47	37	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	B5	1	65	55	1	4	5	0	0
14	F5	1	45	35	1	4	5	0	0
14	J5	1	45	35	1	4	5	0	0
14	J5	1	37	31	1	4	1	0	0
14	K5	1	41	33	1	4	3	0	0
14	K5	1	45	35	1	4	5	0	0
14	L5	1	45	35	1	4	5	0	0
14	L5	1	65	55	1	4	5	0	0
14	L5	1	65	55	1	4	5	0	0
14	L5	1	65	55	1	4	5	0	0

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Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
14	L5	1	Total	C	Mg	N	O	0	0
			65	55	1	4	5		
14	X5	1	Total	C	Mg	N	O	0	0
			45	35	1	4	5		

- Molecule 15 is PHYLLOQUINONE (three-letter code: PQN) (formula: C<sub>31</sub>H<sub>46</sub>O<sub>2</sub>).



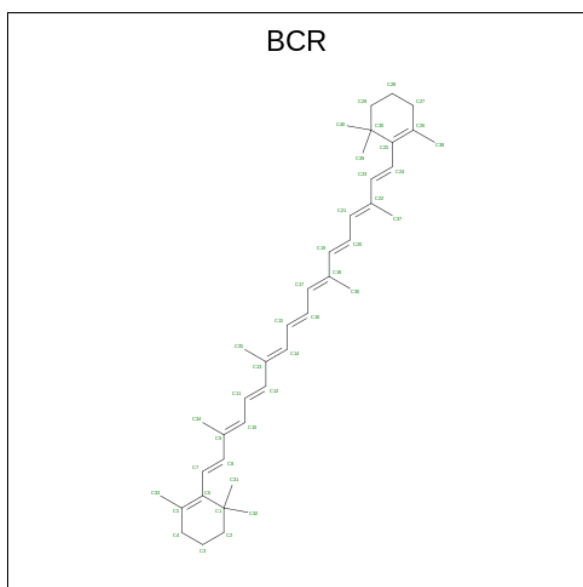
Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
15	A1	1	Total	C	O	0	0
			33	31	2		
15	B1	1	Total	C	O	0	0
			33	31	2		
15	A2	1	Total	C	O	0	0
			33	31	2		
15	B2	1	Total	C	O	0	0
			33	31	2		
15	A3	1	Total	C	O	0	0
			33	31	2		
15	B3	1	Total	C	O	0	0
			33	31	2		
15	A4	1	Total	C	O	0	0
			33	31	2		
15	B4	1	Total	C	O	0	0
			33	31	2		
15	A6	1	Total	C	O	0	0
			33	31	2		

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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
15	B6	1	Total	C O	0	0
			33	31 2		
15	A5	1	Total	C O	0	0
			33	31 2		
15	B5	1	Total	C O	0	0
			33	31 2		

- Molecule 16 is BETA-CAROTENE (three-letter code: BCR) (formula: C<sub>40</sub>H<sub>56</sub>).



Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
16	A1	1	Total	C	0	0
			40	40		
16	A1	1	Total	C	0	0
			40	40		
16	A1	1	Total	C	0	0
			40	40		
16	A1	1	Total	C	0	0
			40	40		
16	A1	1	Total	C	0	0
			40	40		
16	B1	1	Total	C	0	0
			40	40		
16	B1	1	Total	C	0	0
			40	40		

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
16	B1	1	Total C 40 40	0	0
16	B1	1	Total C 25 25	0	0
16	B1	1	Total C 40 40	0	0
16	B1	1	Total C 40 40	0	0
16	B1	1	Total C 40 40	0	0
16	B1	1	Total C 40 40	0	0
16	F1	1	Total C 40 40	0	0
16	I1	1	Total C 40 40	0	0
16	I1	1	Total C 40 40	0	0
16	J1	1	Total C 40 40	0	0
16	J1	1	Total C 40 40	0	0
16	L1	1	Total C 40 40	0	0
16	L1	1	Total C 40 40	0	0
16	M1	1	Total C 40 40	0	0
16	A2	1	Total C 40 40	0	0
16	A2	1	Total C 40 40	0	0
16	A2	1	Total C 40 40	0	0
16	A2	1	Total C 40 40	0	0
16	A2	1	Total C 40 40	0	0
16	A2	1	Total C 40 40	0	0
16	B2	1	Total C 40 40	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
16	B2	1	Total C 40 40	0	0
16	B2	1	Total C 40 40	0	0
16	B2	1	Total C 25 25	0	0
16	B2	1	Total C 40 40	0	0
16	B2	1	Total C 40 40	0	0
16	B2	1	Total C 40 40	0	0
16	F2	1	Total C 40 40	0	0
16	F2	1	Total C 40 40	0	0
16	I2	1	Total C 40 40	0	0
16	J2	1	Total C 40 40	0	0
16	J2	1	Total C 40 40	0	0
16	L2	1	Total C 40 40	0	0
16	L2	1	Total C 40 40	0	0
16	L2	1	Total C 40 40	0	0
16	M2	1	Total C 40 40	0	0
16	A3	1	Total C 40 40	0	0
16	A3	1	Total C 40 40	0	0
16	A3	1	Total C 40 40	0	0
16	A3	1	Total C 40 40	0	0
16	A3	1	Total C 40 40	0	0
16	A3	1	Total C 40 40	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
16	A3	1	Total C 40 40	0	0
16	B3	1	Total C 40 40	0	0
16	B3	1	Total C 40 40	0	0
16	B3	1	Total C 40 40	0	0
16	B3	1	Total C 25 25	0	0
16	B3	1	Total C 40 40	0	0
16	B3	1	Total C 40 40	0	0
16	F3	1	Total C 40 40	0	0
16	F3	1	Total C 40 40	0	0
16	I3	1	Total C 40 40	0	0
16	I3	1	Total C 40 40	0	0
16	J3	1	Total C 40 40	0	0
16	J3	1	Total C 40 40	0	0
16	L3	1	Total C 40 40	0	0
16	L3	1	Total C 40 40	0	0
16	M3	1	Total C 40 40	0	0
16	A4	1	Total C 40 40	0	0
16	A4	1	Total C 40 40	0	0
16	A4	1	Total C 40 40	0	0
16	A4	1	Total C 40 40	0	0
16	A4	1	Total C 40 40	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
16	A4	1	Total C 40 40	0	0
16	B4	1	Total C 40 40	0	0
16	B4	1	Total C 40 40	0	0
16	B4	1	Total C 40 40	0	0
16	B4	1	Total C 25 25	0	0
16	B4	1	Total C 40 40	0	0
16	B4	1	Total C 40 40	0	0
16	F4	1	Total C 40 40	0	0
16	F4	1	Total C 40 40	0	0
16	F4	1	Total C 40 40	0	0
16	I4	1	Total C 40 40	0	0
16	I4	1	Total C 40 40	0	0
16	J4	1	Total C 40 40	0	0
16	J4	1	Total C 40 40	0	0
16	L4	1	Total C 40 40	0	0
16	L4	1	Total C 40 40	0	0
16	M4	1	Total C 40 40	0	0
16	A6	1	Total C 40 40	0	0
16	A6	1	Total C 40 40	0	0
16	A6	1	Total C 40 40	0	0
16	A6	1	Total C 40 40	0	0

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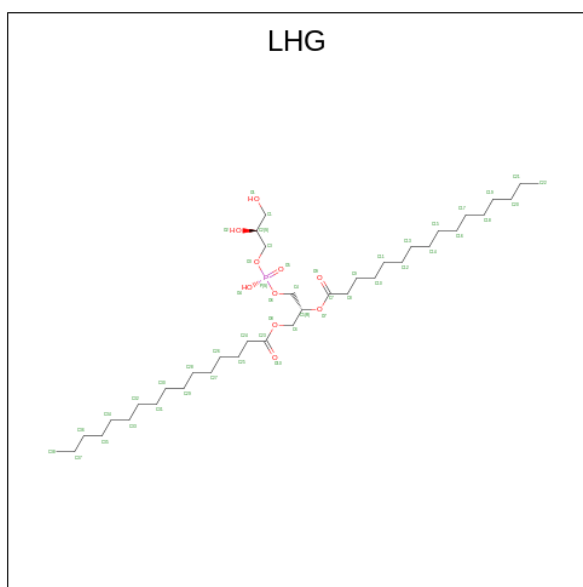
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
16	A6	1	Total C 40 40	0	0
16	A6	1	Total C 40 40	0	0
16	A6	1	Total C 40 40	0	0
16	B6	1	Total C 40 40	0	0
16	B6	1	Total C 40 40	0	0
16	B6	1	Total C 40 40	0	0
16	B6	1	Total C 25 25	0	0
16	B6	1	Total C 40 40	0	0
16	B6	1	Total C 40 40	0	0
16	F6	1	Total C 40 40	0	0
16	F6	1	Total C 40 40	0	0
16	I6	1	Total C 40 40	0	0
16	J6	1	Total C 40 40	0	0
16	J6	1	Total C 40 40	0	0
16	L6	1	Total C 40 40	0	0
16	L6	1	Total C 40 40	0	0
16	L6	1	Total C 40 40	0	0
16	M6	1	Total C 40 40	0	0
16	A5	1	Total C 40 40	0	0
16	A5	1	Total C 40 40	0	0
16	A5	1	Total C 40 40	0	0

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Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
16	A5	1	Total C 40 40	0	0
16	A5	1	Total C 40 40	0	0
16	A5	1	Total C 40 40	0	0
16	A5	1	Total C 40 40	0	0
16	B5	1	Total C 40 40	0	0
16	B5	1	Total C 40 40	0	0
16	B5	1	Total C 40 40	0	0
16	B5	1	Total C 25 25	0	0
16	B5	1	Total C 40 40	0	0
16	B5	1	Total C 40 40	0	0
16	F5	1	Total C 40 40	0	0
16	I5	1	Total C 40 40	0	0
16	I5	1	Total C 40 40	0	0
16	J5	1	Total C 40 40	0	0
16	J5	1	Total C 40 40	0	0
16	J5	1	Total C 40 40	0	0
16	L5	1	Total C 40 40	0	0
16	L5	1	Total C 40 40	0	0
16	M5	1	Total C 40 40	0	0

- Molecule 17 is 1,2-DIPALMITOYL-PHOSPHATIDYL-GLYCEROLE (three-letter code: LHG) (formula: C<sub>38</sub>H<sub>75</sub>O<sub>10</sub>P).



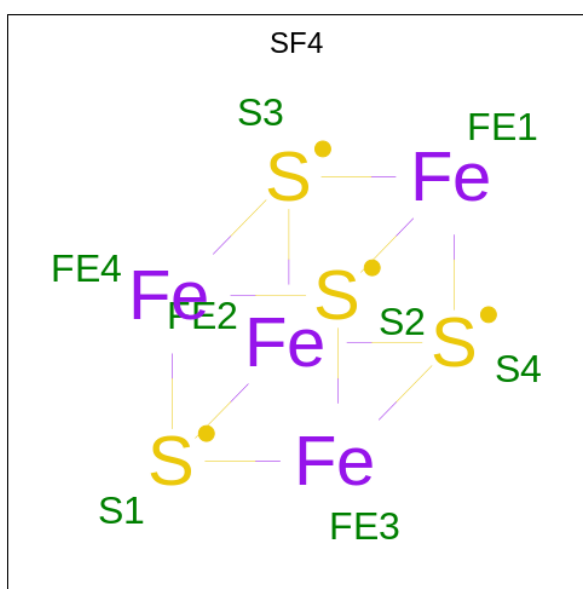
Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
			Total	C	O	P		
17	A1	1	49	38	10	1	0	0
17	A1	1	27	16	10	1	0	0
17	B1	1	23	12	10	1	0	0
17	A2	1	49	38	10	1	0	0
17	A2	1	27	16	10	1	0	0
17	B2	1	23	12	10	1	0	0
17	A3	1	49	38	10	1	0	0
17	A3	1	27	16	10	1	0	0
17	X3	1	23	12	10	1	0	0
17	A4	1	49	38	10	1	0	0
17	A4	1	27	16	10	1	0	0
17	X4	1	23	12	10	1	0	0
17	A6	1	49	38	10	1	0	0
17	A6	1	27	16	10	1	0	0

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
			Total	C	O	P		
17	B6	1	Total 23	C 12	O 10	P 1	0	0
17	A5	1	Total 49	C 38	O 10	P 1	0	0
17	A5	1	Total 27	C 16	O 10	P 1	0	0
17	X5	1	Total 23	C 12	O 10	P 1	0	0

- Molecule 18 is IRON/SULFUR CLUSTER (three-letter code: SF4) (formula: Fe<sub>4</sub>S<sub>4</sub>).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
			Total	Fe	S		
18	A1	1	Total 8	Fe 4	S 4	0	0
18	C1	1	Total 8	Fe 4	S 4	0	0
18	C1	1	Total 8	Fe 4	S 4	0	0
18	A2	1	Total 8	Fe 4	S 4	0	0
18	C2	1	Total 8	Fe 4	S 4	0	0
18	C2	1	Total 8	Fe 4	S 4	0	0
18	A3	1	Total 8	Fe 4	S 4	0	0

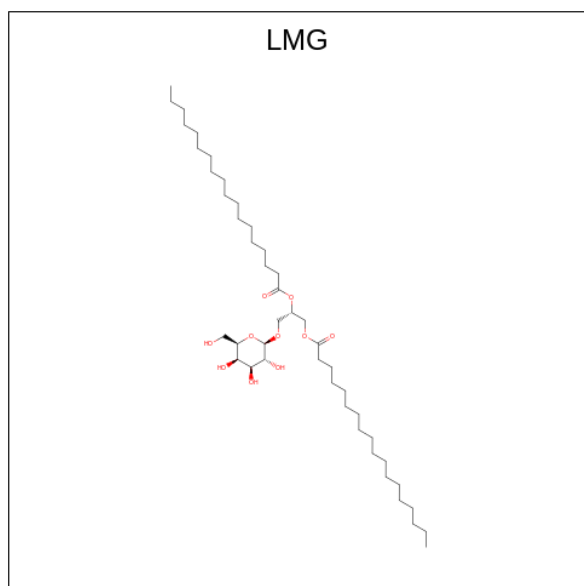
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Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
18	C3	1	Total	Fe	S	0	0
			8	4	4		
18	C3	1	Total	Fe	S	0	0
			8	4	4		
18	A4	1	Total	Fe	S	0	0
			8	4	4		
18	C4	1	Total	Fe	S	0	0
			8	4	4		
18	C4	1	Total	Fe	S	0	0
			8	4	4		
18	B6	1	Total	Fe	S	0	0
			8	4	4		
18	C6	1	Total	Fe	S	0	0
			8	4	4		
18	C6	1	Total	Fe	S	0	0
			8	4	4		
18	A5	1	Total	Fe	S	0	0
			8	4	4		
18	C5	1	Total	Fe	S	0	0
			8	4	4		
18	C5	1	Total	Fe	S	0	0
			8	4	4		

- Molecule 19 is 1,2-DISTEAROYL-MONOGALACTOSYL-DIGLYCERIDE (three-letter code: LMG) (formula:  $C_{45}H_{86}O_{10}$ ).

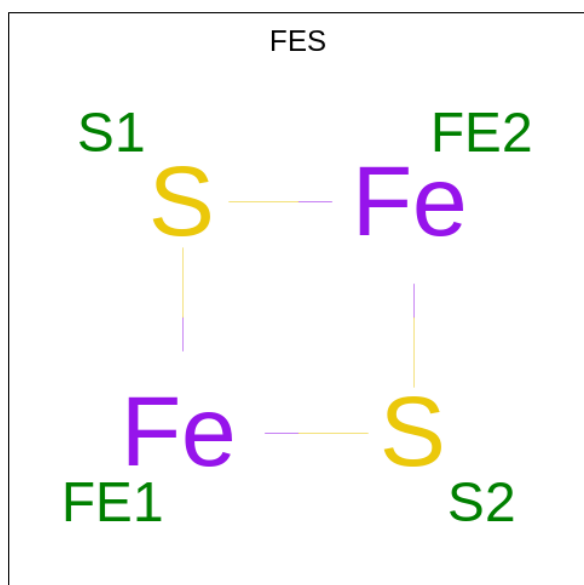


Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
19	B1	1	Total C O 55 45 10	0	0
19	B2	1	Total C O 55 45 10	0	0
19	B3	1	Total C O 55 45 10	0	0
19	B4	1	Total C O 55 45 10	0	0
19	B6	1	Total C O 55 45 10	0	0
19	B5	1	Total C O 55 45 10	0	0

- Molecule 20 is CALCIUM ION (three-letter code: CA) (formula: Ca).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
20	L1	2	Total Ca 2 2	0	0
20	L2	1	Total Ca 1 1	0	0
20	L4	2	Total Ca 2 2	0	0
20	L6	1	Total Ca 1 1	0	0

- Molecule 21 is FE2/S2 (INORGANIC) CLUSTER (three-letter code: FES) (formula: Fe<sub>2</sub>S<sub>2</sub>).

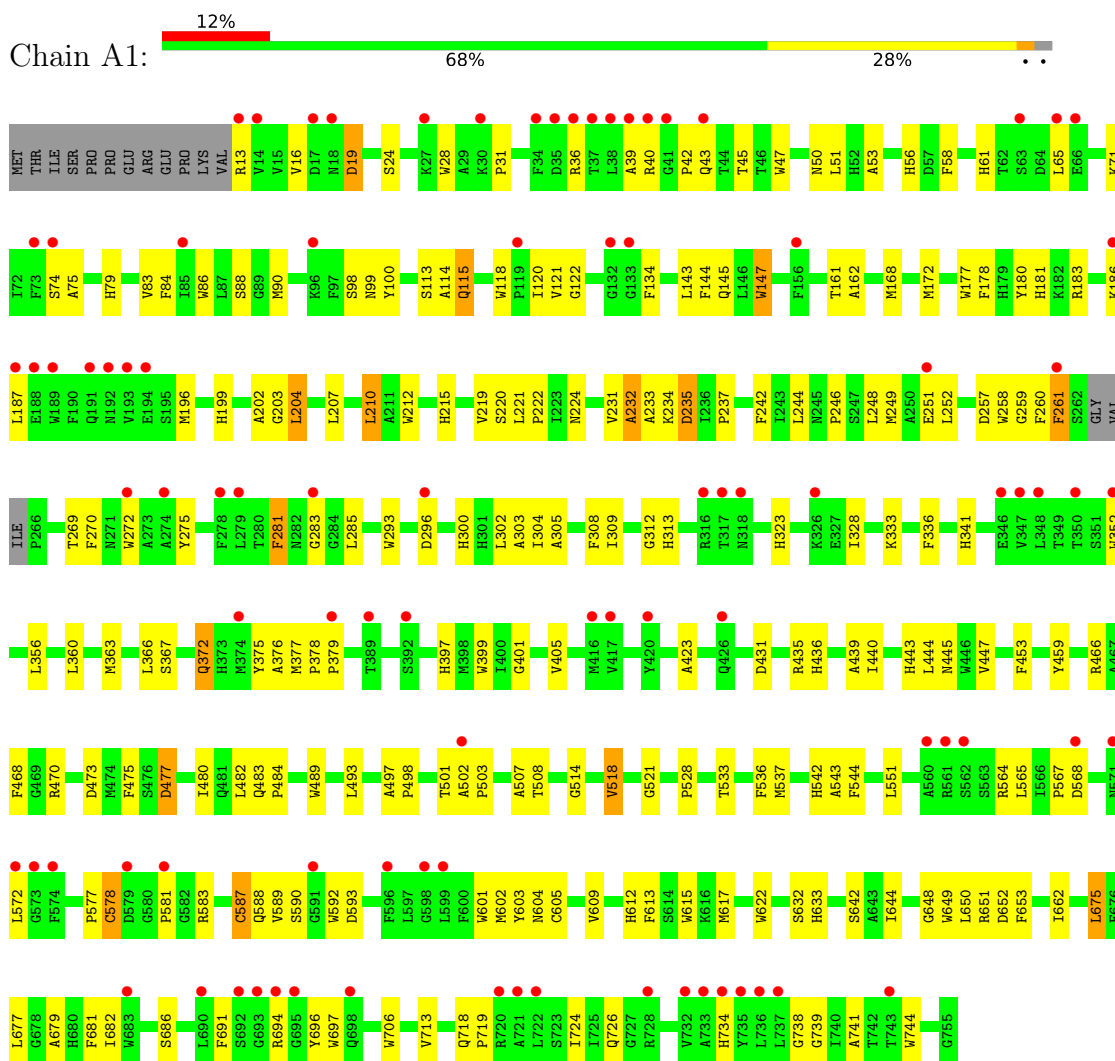


Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
21	P1	1	Total 4	Fe 2	S 2	0	0
21	P2	1	Total 4	Fe 2	S 2	0	0
21	P3	1	Total 4	Fe 2	S 2	0	0
21	P4	1	Total 4	Fe 2	S 2	0	0
21	P6	1	Total 4	Fe 2	S 2	0	0
21	P5	1	Total 4	Fe 2	S 2	0	0

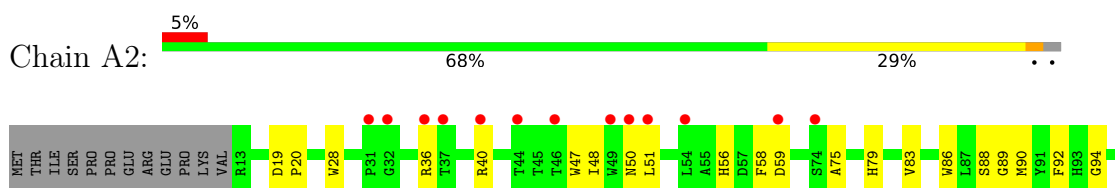
### 3 Residue-property plots

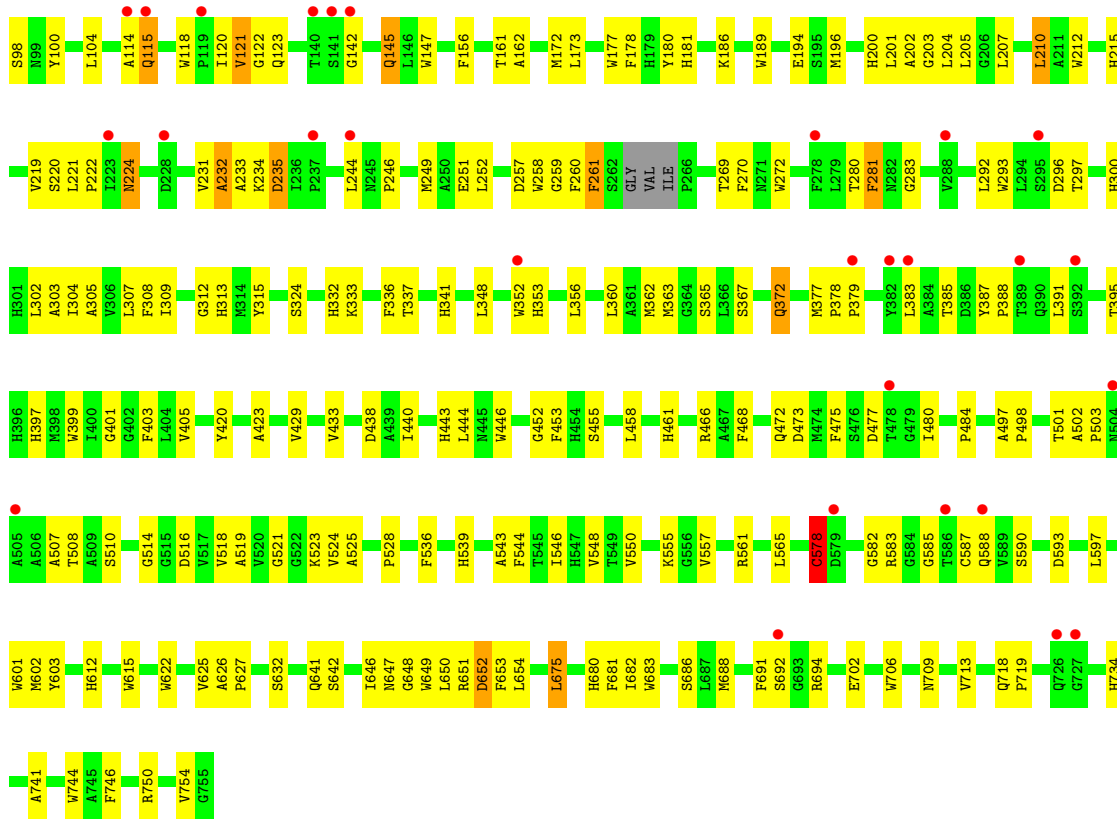
These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density. 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 dot above a residue indicates a poor fit to the electron density ( $RSRZ > 2$ ). 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

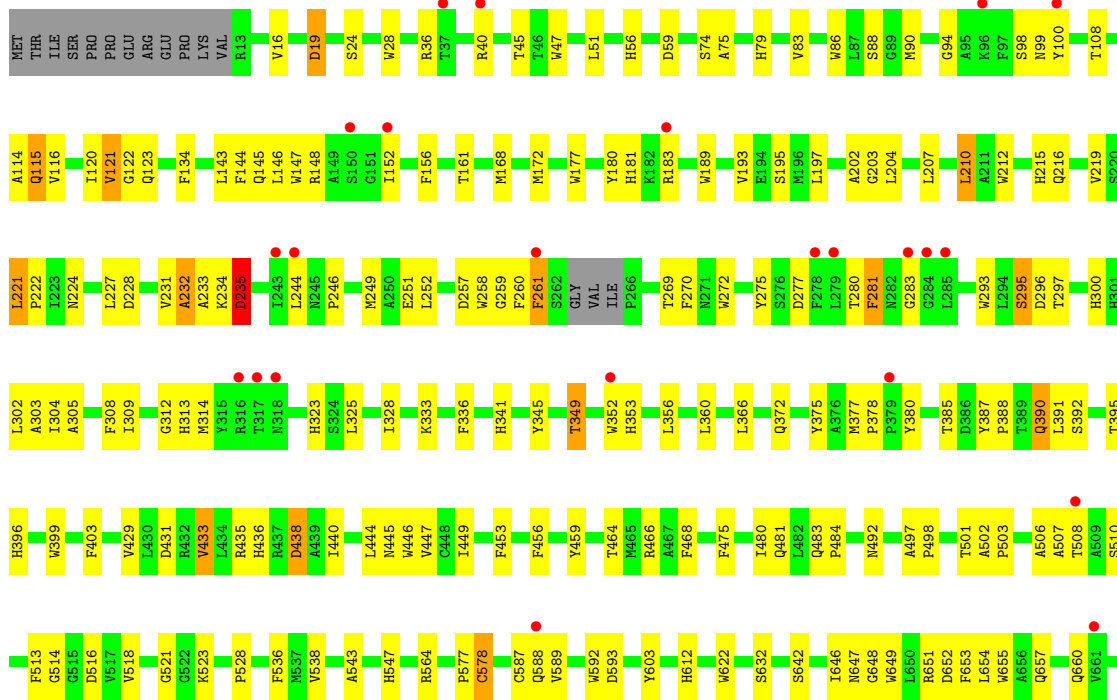


- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

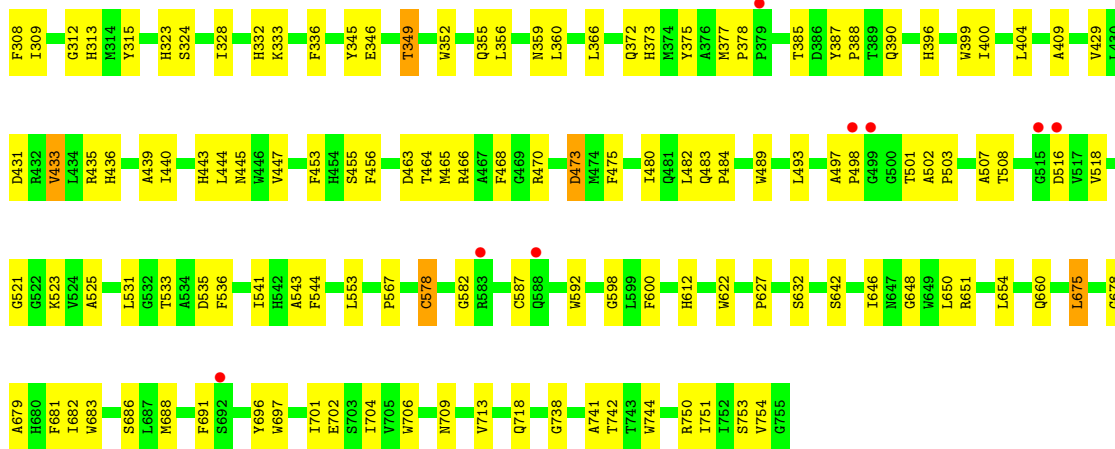




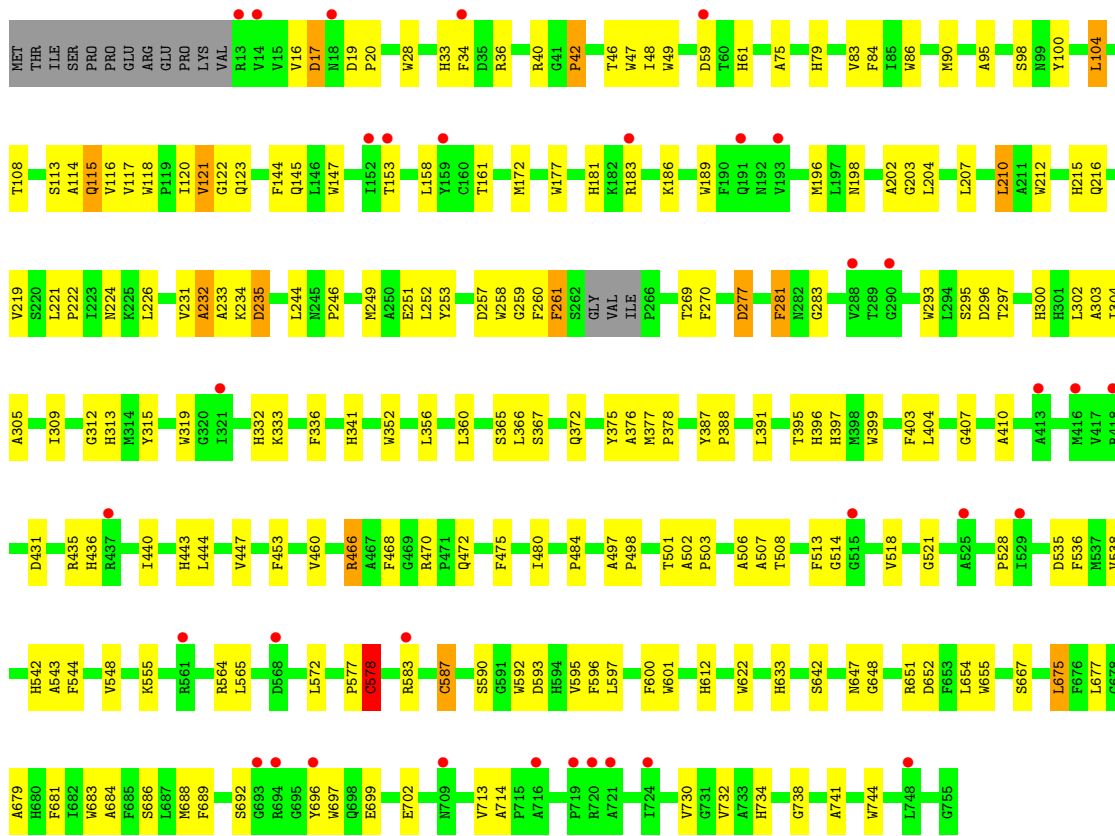
• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1



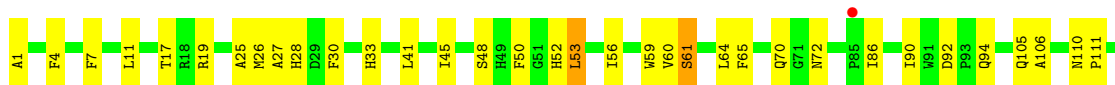




• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

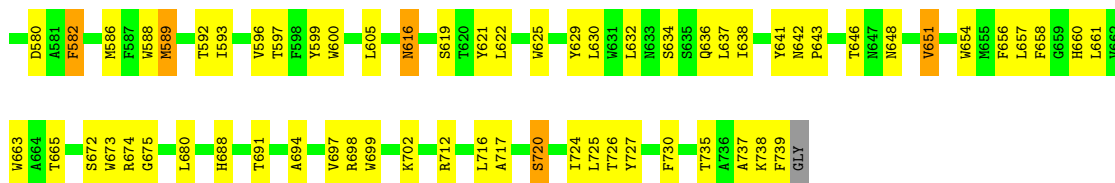


• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

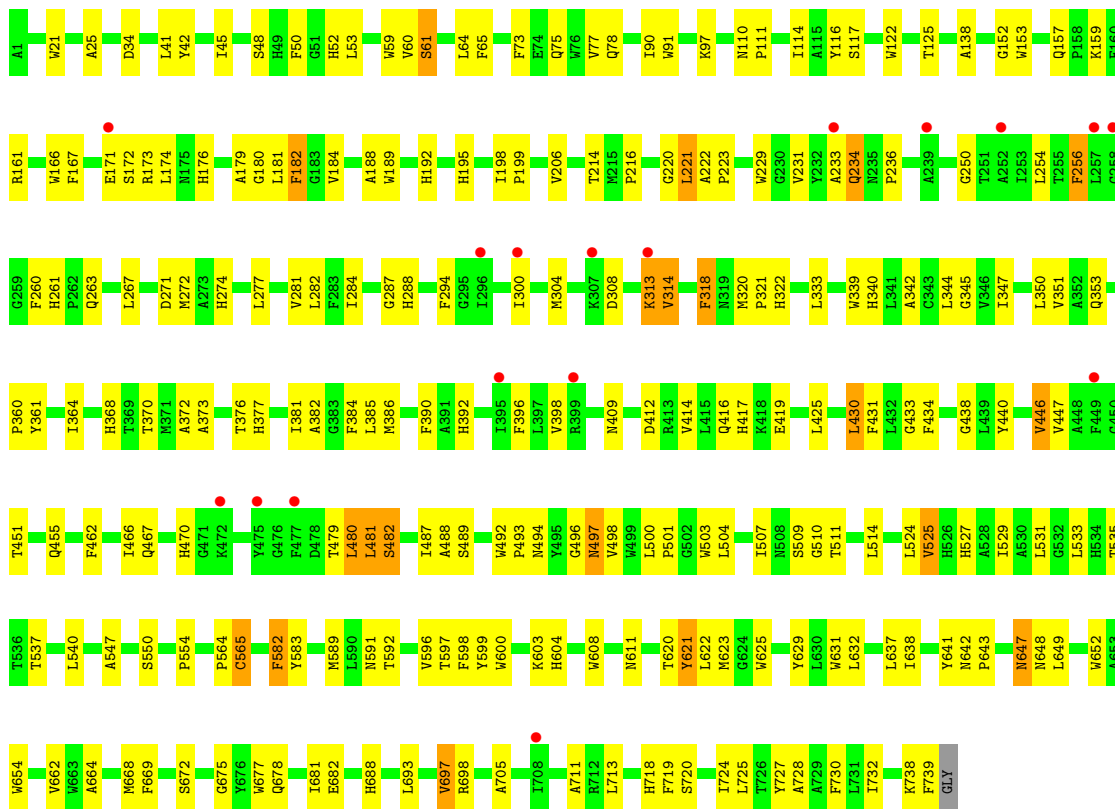




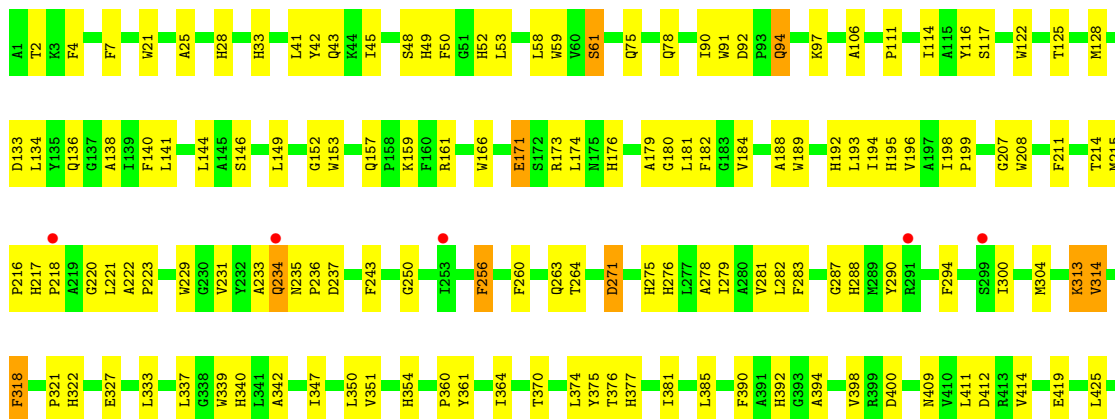


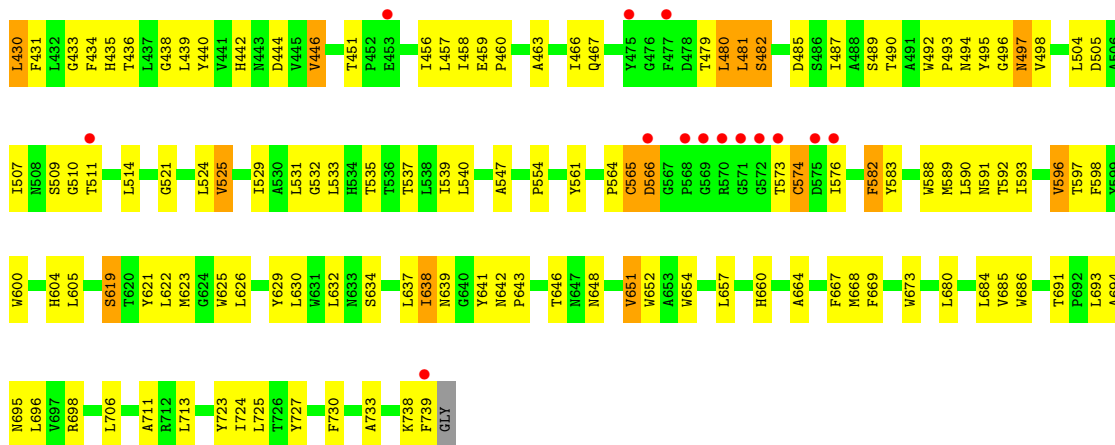


• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2



• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

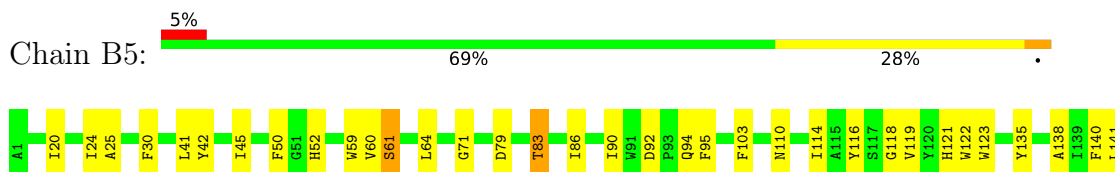


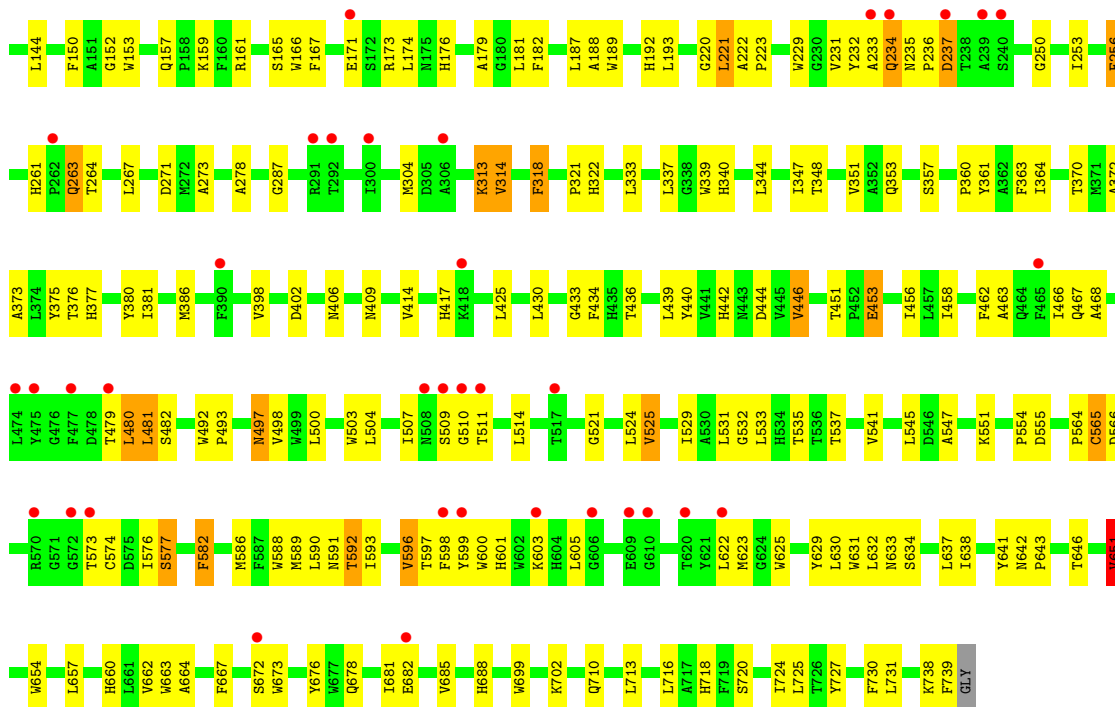


• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

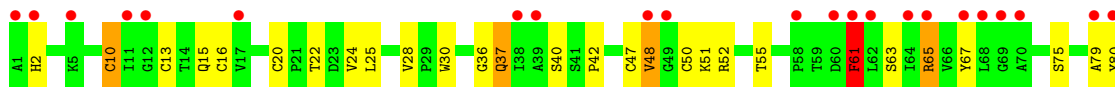


• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

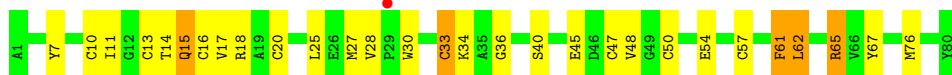




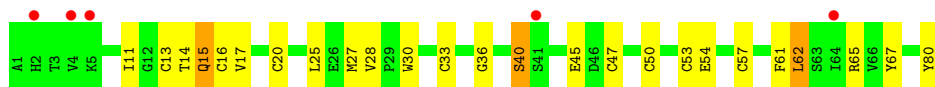
• Molecule 3: Photosystem I iron-sulfur center



• Molecule 3: Photosystem I iron-sulfur center



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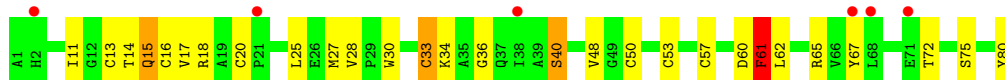


• Molecule 3: Photosystem I iron-sulfur center

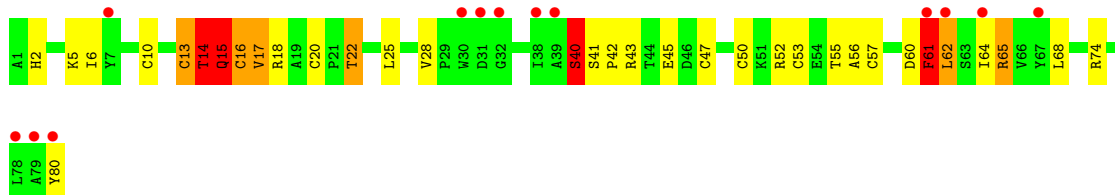


Y80

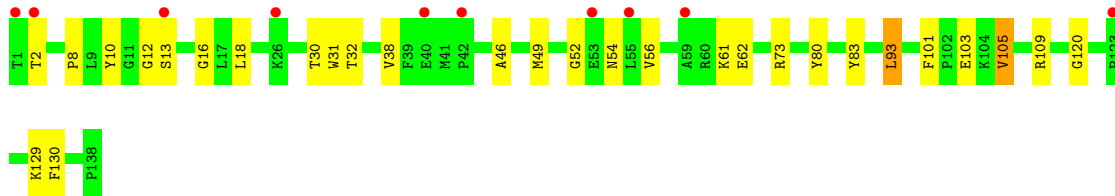
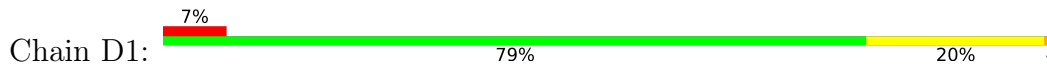
• Molecule 3: Photosystem I iron-sulfur center



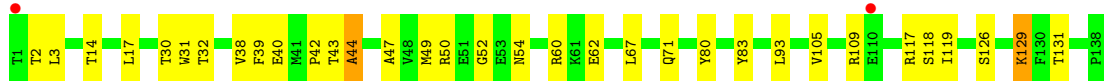
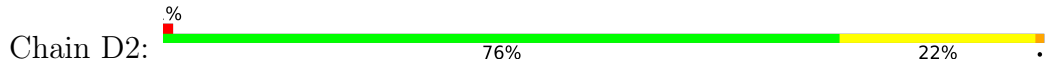
• Molecule 3: Photosystem I iron-sulfur center



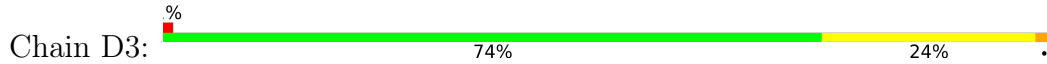
• Molecule 4: Photosystem I reaction center subunit II



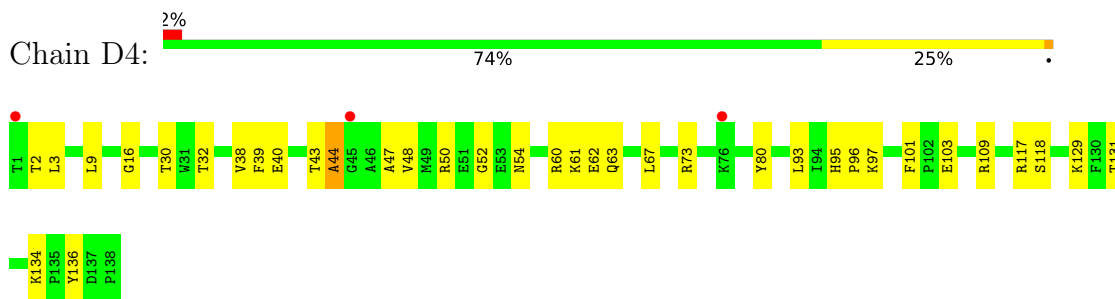
• Molecule 4: Photosystem I reaction center subunit II



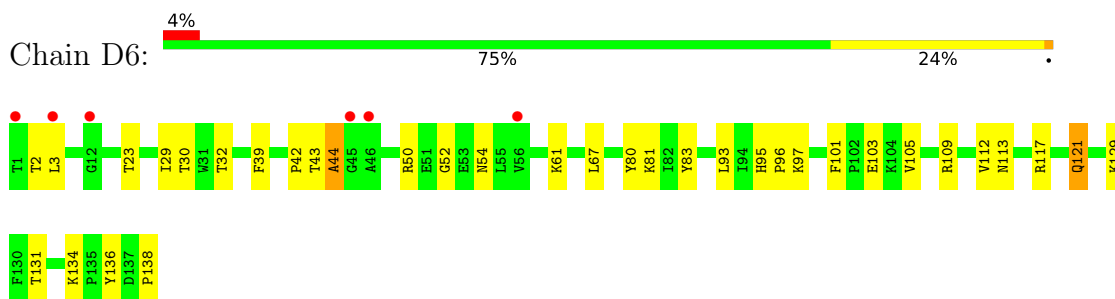
• Molecule 4: Photosystem I reaction center subunit II



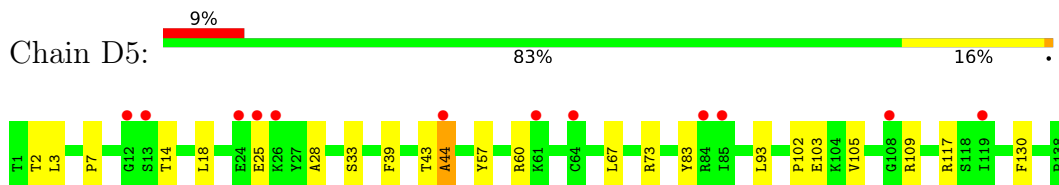
• Molecule 4: Photosystem I reaction center subunit II



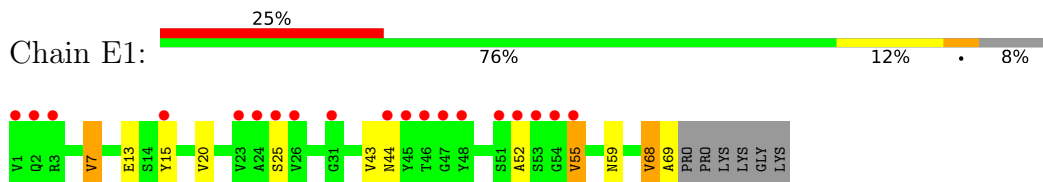
- Molecule 4: Photosystem I reaction center subunit II



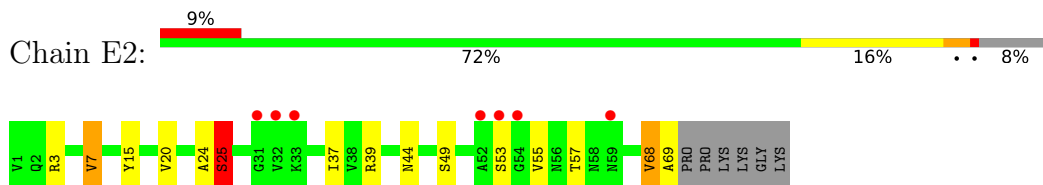
- Molecule 4: Photosystem I reaction center subunit II



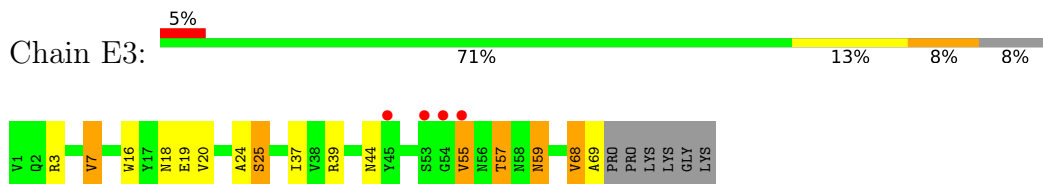
- Molecule 5: Photosystem I reaction center subunit IV



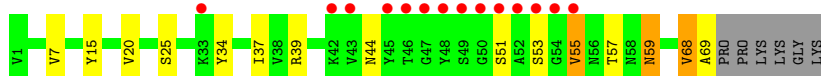
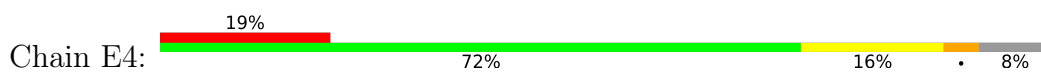
- Molecule 5: Photosystem I reaction center subunit IV



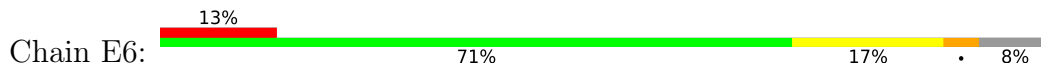
- Molecule 5: Photosystem I reaction center subunit IV



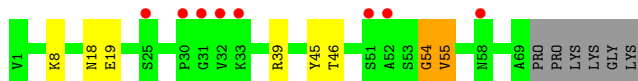
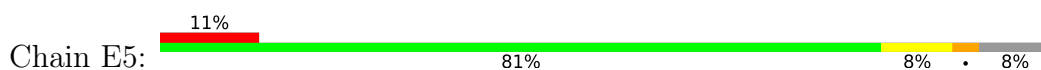
- Molecule 5: Photosystem I reaction center subunit IV



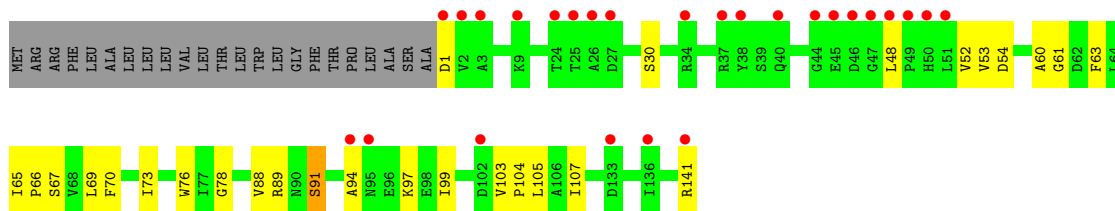
- Molecule 5: Photosystem I reaction center subunit IV



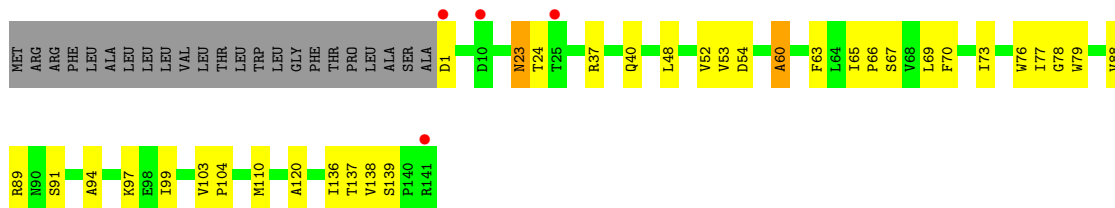
- Molecule 5: Photosystem I reaction center subunit IV



- Molecule 6: Photosystem I reaction center subunit III

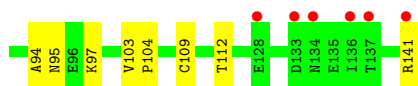


- Molecule 6: Photosystem I reaction center subunit III

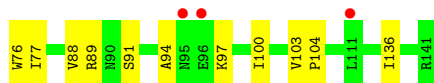
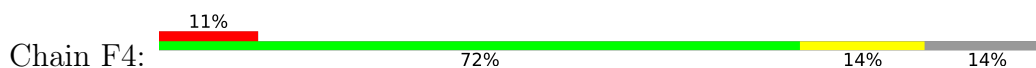


- Molecule 6: Photosystem I reaction center subunit III

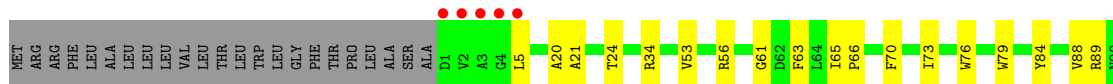




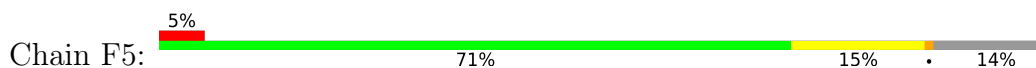
- Molecule 6: Photosystem I reaction center subunit III



- Molecule 6: Photosystem I reaction center subunit III



- Molecule 6: Photosystem I reaction center subunit III



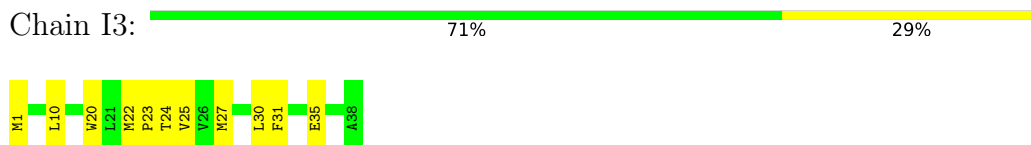
- Molecule 7: Photosystem I reaction center subunit VIII



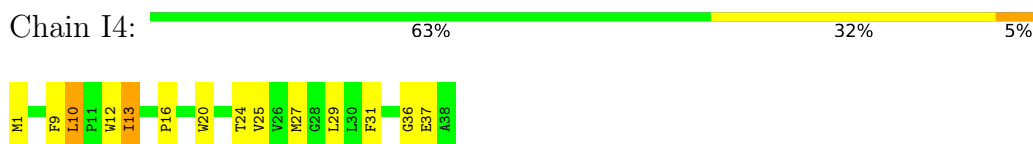
- Molecule 7: Photosystem I reaction center subunit VIII



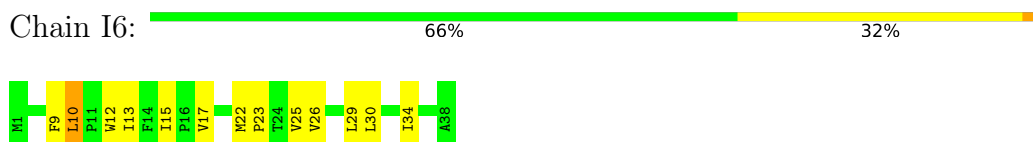
- Molecule 7: Photosystem I reaction center subunit VIII



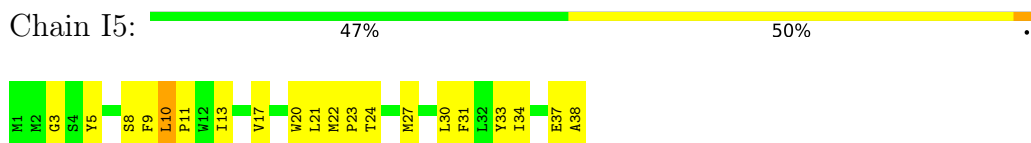
- Molecule 7: Photosystem I reaction center subunit VIII



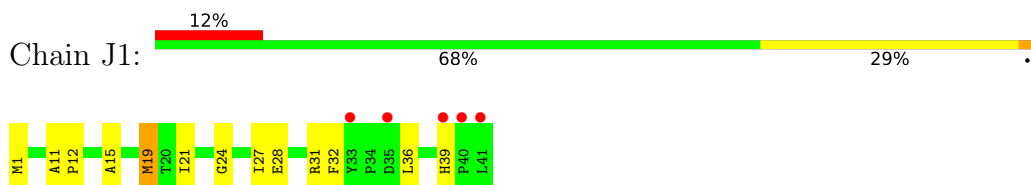
- Molecule 7: Photosystem I reaction center subunit VIII



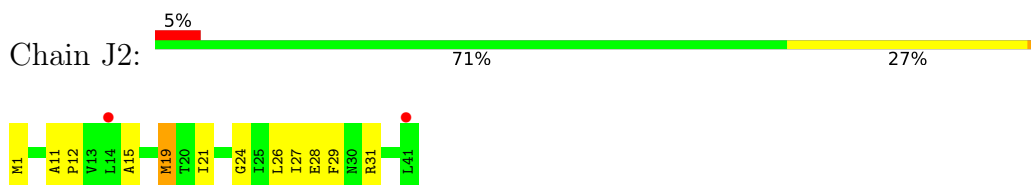
- Molecule 7: Photosystem I reaction center subunit VIII



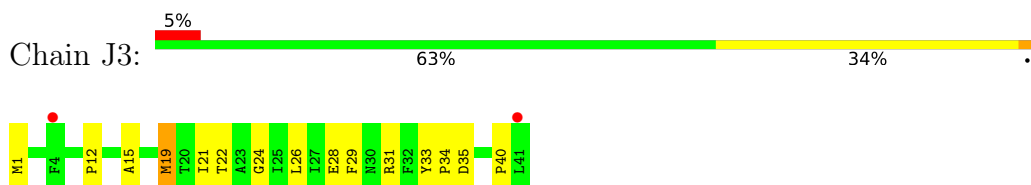
- Molecule 8: Photosystem I reaction center subunit IX



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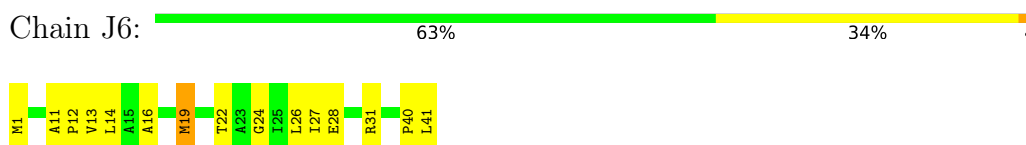




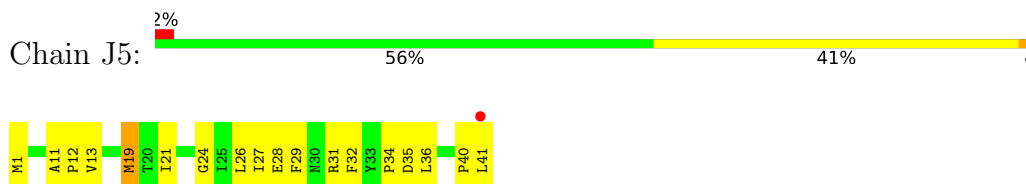
- Molecule 8: Photosystem I reaction center subunit IX



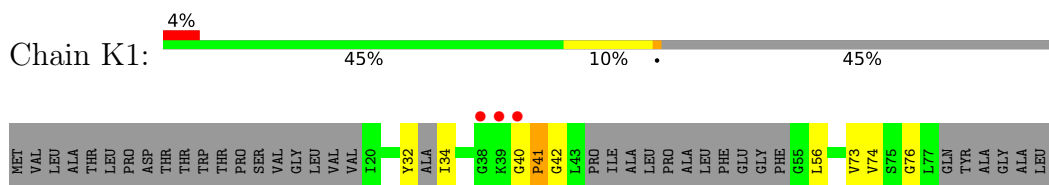
- Molecule 8: Photosystem I reaction center subunit IX



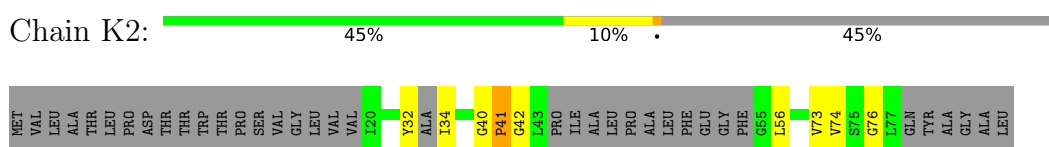
- Molecule 8: Photosystem I reaction center subunit IX



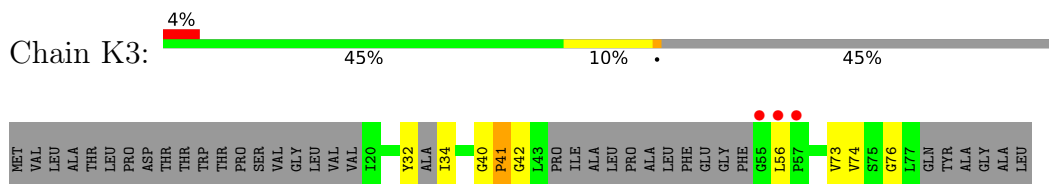
- Molecule 9: Photosystem I reaction center subunit PsaK



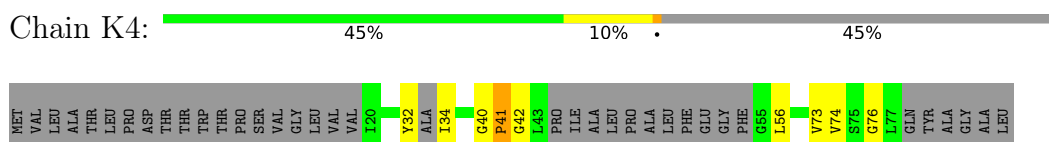
- Molecule 9: Photosystem I reaction center subunit PsaK



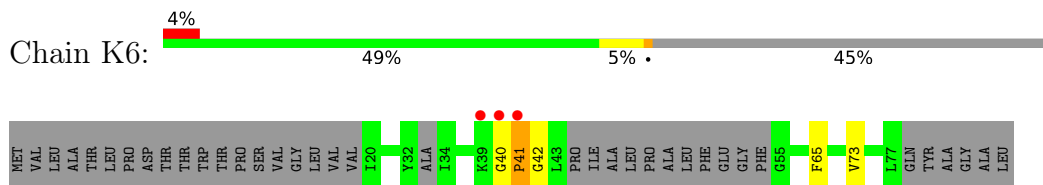
- Molecule 9: Photosystem I reaction center subunit PsaK



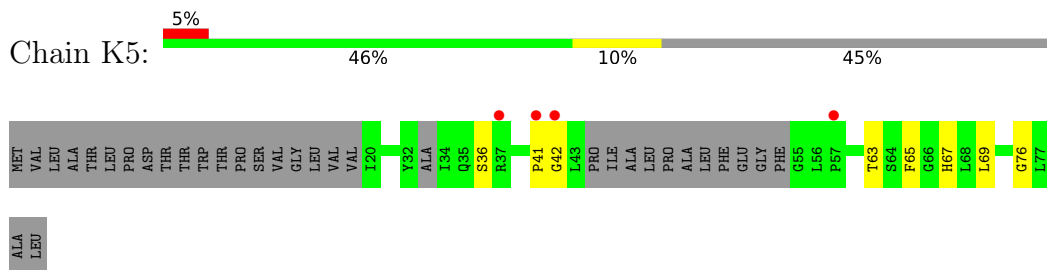
- Molecule 9: Photosystem I reaction center subunit PsaK



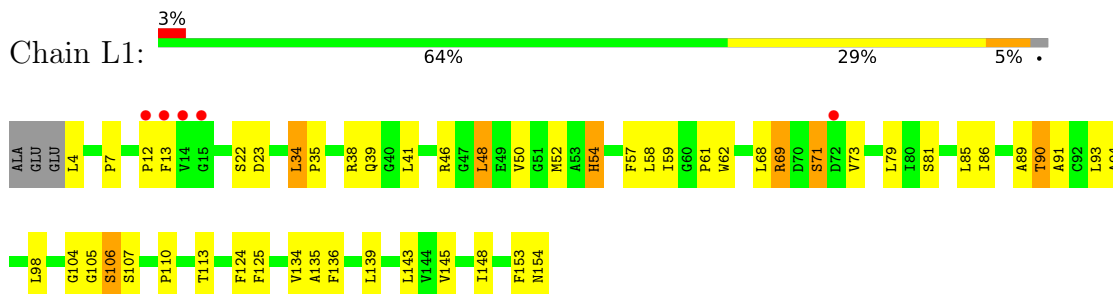
- Molecule 9: Photosystem I reaction center subunit PsaK



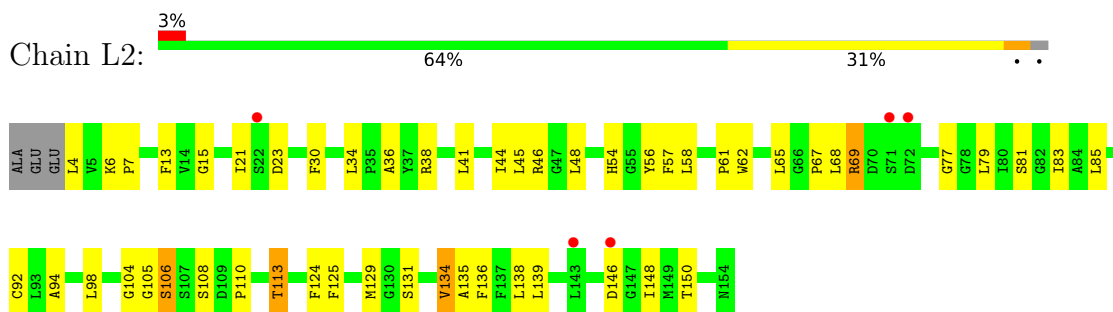
- Molecule 9: Photosystem I reaction center subunit PsaK



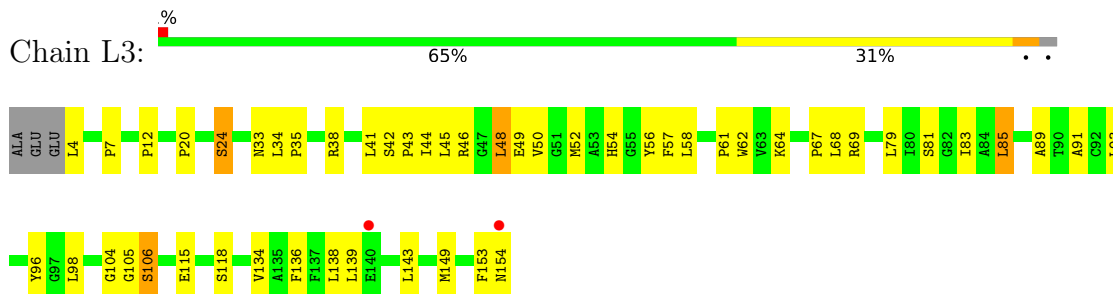
- Molecule 10: Photosystem I reaction center subunit XI



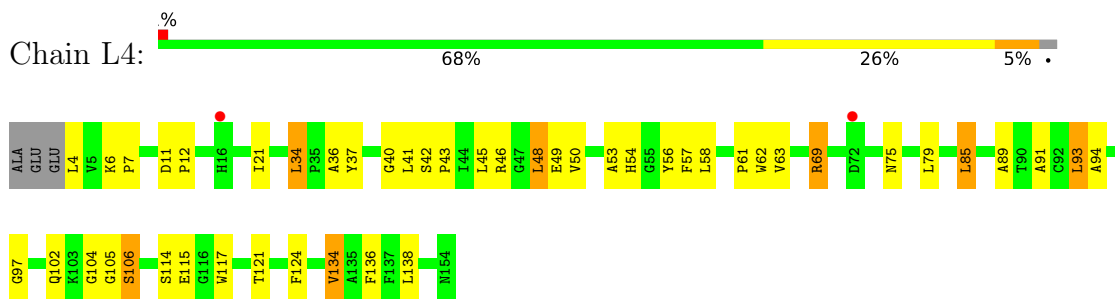
- Molecule 10: Photosystem I reaction center subunit XI



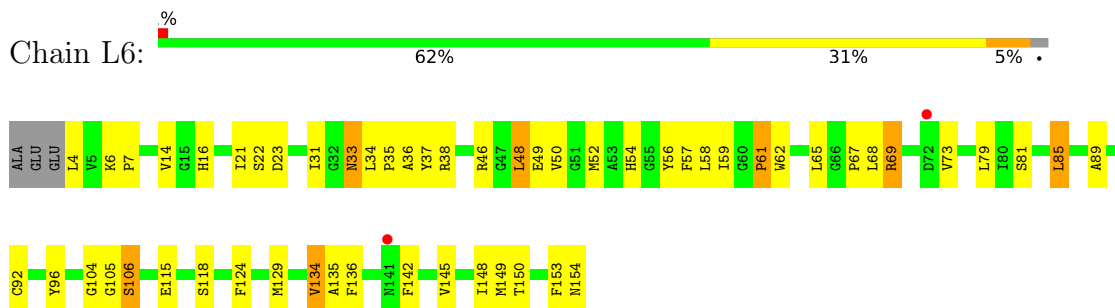
- Molecule 10: Photosystem I reaction center subunit XI



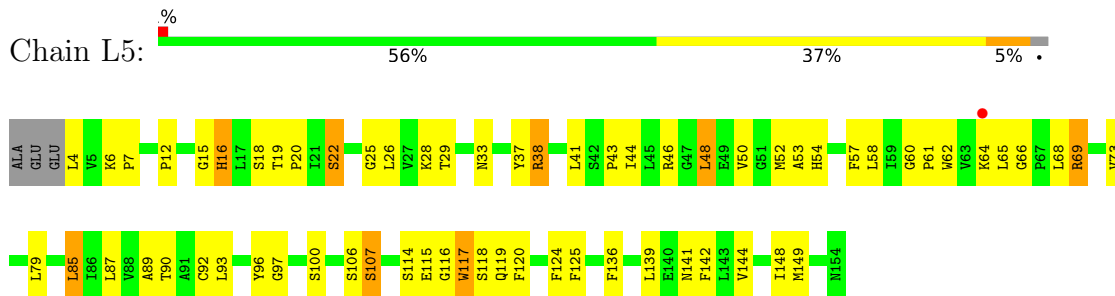
- Molecule 10: Photosystem I reaction center subunit XI



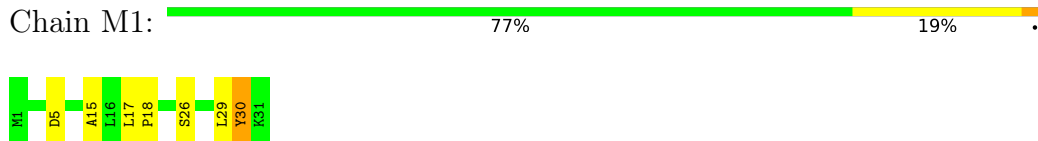
- Molecule 10: Photosystem I reaction center subunit XI



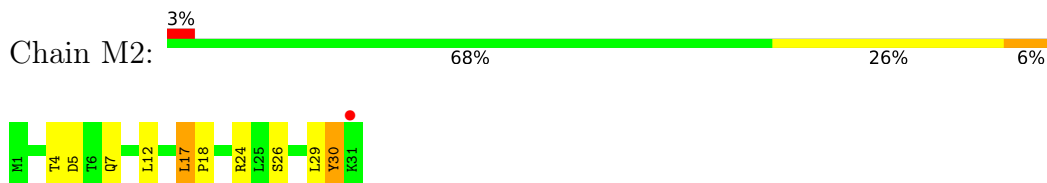
- Molecule 10: Photosystem I reaction center subunit XI



- Molecule 11: Photosystem I reaction center subunit XII



- Molecule 11: Photosystem I reaction center subunit XII



- Molecule 11: Photosystem I reaction center subunit XII





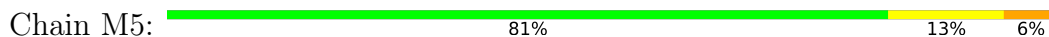
- Molecule 11: Photosystem I reaction center subunit XII



- Molecule 11: Photosystem I reaction center subunit XII



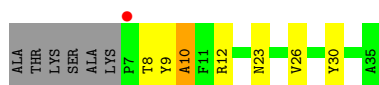
- Molecule 11: Photosystem I reaction center subunit XII



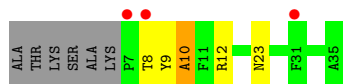
- Molecule 12: PsaX



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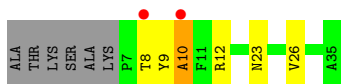


- Molecule 12: PsaX

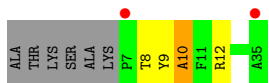
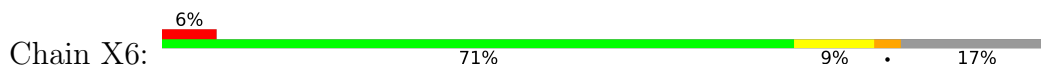


- Molecule 12: PsaX

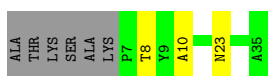
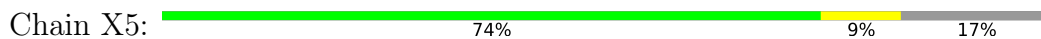




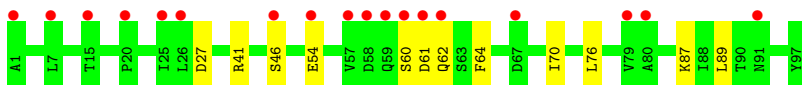
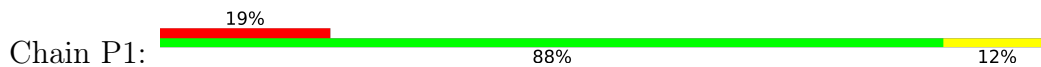
- Molecule 12: PsaX



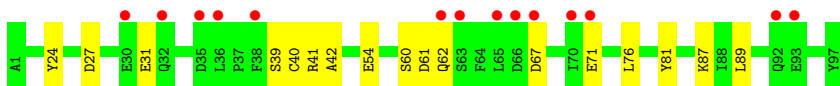
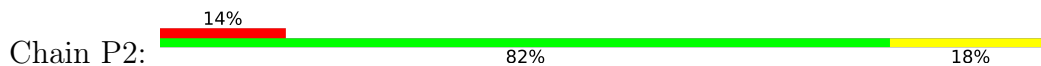
- Molecule 12: PsaX



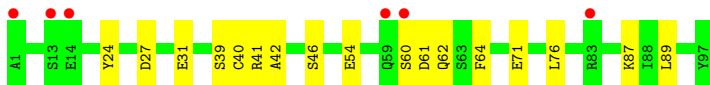
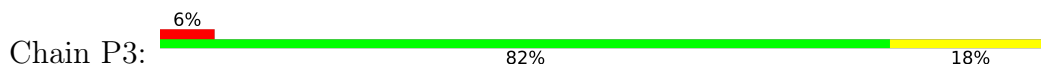
- Molecule 13: Ferredoxin-1



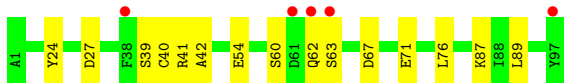
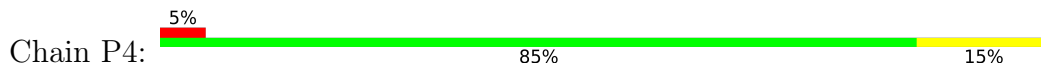
- Molecule 13: Ferredoxin-1



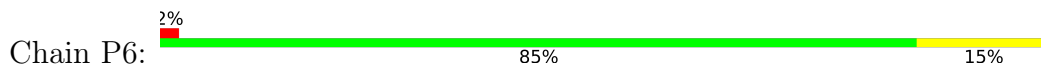
- Molecule 13: Ferredoxin-1



- Molecule 13: Ferredoxin-1

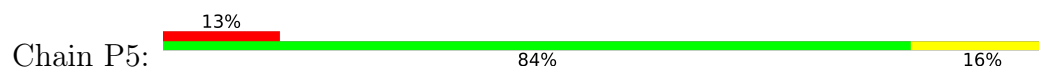


- Molecule 13: Ferredoxin-1





- Molecule 13: Ferredoxin-1



## 4 Data and refinement statistics

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, $\alpha$ , $\beta$ , $\gamma$	214.10Å 239.67Å 265.61Å 90.00° 101.08° 90.00°	Depositor
Resolution (Å)	158.04 – 4.20 144.70 – 4.20	Depositor EDS
% Data completeness (in resolution range)	99.9 (158.04-4.20) 99.9 (144.70-4.20)	Depositor EDS
$R_{merge}$	0.16	Depositor
$R_{sym}$	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ <sup>1</sup>	2.58 (at 4.15Å)	Xtrriage
Refinement program	REFMAC 5.8.0049	Depositor
R, $R_{free}$	0.353 , 0.377 0.358 , 0.379	Depositor DCC
$R_{free}$ test set	9617 reflections (5.02%)	wwPDB-VP
Wilson B-factor (Å <sup>2</sup> )	131.8	Xtrriage
Anisotropy	0.204	Xtrriage
Bulk solvent $k_{sol}$ (e/Å <sup>3</sup> ), $B_{sol}$ (Å <sup>2</sup> )	0.25 , 74.1	EDS
L-test for twinning <sup>2</sup>	$\langle  L  \rangle = 0.43$ , $\langle L^2 \rangle = 0.25$	Xtrriage
Estimated twinning fraction	No twinning to report.	Xtrriage
$F_o, F_c$ correlation	0.78	EDS
Total number of atoms	148494	wwPDB-VP
Average B, all atoms (Å <sup>2</sup> )	162.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 2.03% of the height of the origin peak. No significant pseudotranslation is detected.*

<sup>1</sup>Intensities estimated from amplitudes.

<sup>2</sup>Theoretical values of  $\langle |L| \rangle$ ,  $\langle L^2 \rangle$  for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

## 5 Model quality

### 5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: LHG, LMG, CLA, PQN, BCR, CA, SF4, FES

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	A1	0.39	0/5983	0.63	1/8158 (0.0%)
1	A2	0.40	0/5983	0.64	1/8158 (0.0%)
1	A3	0.40	0/5983	0.65	1/8158 (0.0%)
1	A4	0.41	0/5983	0.66	2/8158 (0.0%)
1	A5	0.39	0/5983	0.64	1/8158 (0.0%)
1	A6	0.42	0/5983	0.67	1/8158 (0.0%)
2	B1	0.40	0/6096	0.62	0/8332
2	B2	0.39	0/6096	0.63	0/8332
2	B3	0.39	0/6096	0.63	1/8332 (0.0%)
2	B4	0.43	0/6096	0.68	1/8332 (0.0%)
2	B5	0.40	0/6096	0.63	1/8332 (0.0%)
2	B6	0.43	0/6096	0.65	1/8332 (0.0%)
3	C1	0.43	0/608	0.69	0/824
3	C2	0.46	0/608	0.79	0/824
3	C3	0.49	0/608	0.78	0/824
3	C4	0.51	0/608	0.83	3/824 (0.4%)
3	C5	0.45	0/608	0.84	0/824
3	C6	0.49	0/608	0.82	3/824 (0.4%)
4	D1	0.39	0/1101	0.63	0/1492
4	D2	0.40	0/1101	0.71	1/1492 (0.1%)
4	D3	0.46	0/1101	0.75	1/1492 (0.1%)
4	D4	0.45	0/1101	0.75	1/1492 (0.1%)
4	D5	0.39	0/1101	0.60	0/1492
4	D6	0.46	0/1101	0.74	1/1492 (0.1%)
5	E1	0.43	0/551	0.67	0/750
5	E2	0.44	0/551	0.70	0/750
5	E3	0.50	0/551	0.69	0/750
5	E4	0.48	0/551	0.69	0/750
5	E5	0.41	0/551	0.57	0/750
5	E6	0.42	0/551	0.68	0/750
6	F1	0.37	0/1087	0.62	0/1476
6	F2	0.36	0/1087	0.62	0/1476



Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z  >5	RMSZ	# Z  >5
6	F3	0.38	0/1087	0.63	0/1476
6	F4	0.39	0/1087	0.66	0/1476
6	F5	0.37	0/1087	0.56	0/1476
6	F6	0.36	0/1087	0.58	0/1476
7	I1	0.47	0/312	0.67	0/425
7	I2	0.42	0/312	0.70	0/425
7	I3	0.49	0/312	0.75	0/425
7	I4	0.50	0/312	0.77	0/425
7	I5	0.42	0/312	0.65	0/425
7	I6	0.43	0/312	0.60	0/425
8	J1	0.38	0/350	0.53	0/477
8	J2	0.37	0/350	0.60	0/477
8	J3	0.39	0/350	0.60	0/477
8	J4	0.39	0/350	0.63	0/477
8	J5	0.39	0/350	0.49	0/477
8	J6	0.38	0/350	0.55	0/477
9	K1	0.39	0/219	0.60	0/297
9	K2	0.34	0/219	0.61	0/297
9	K3	0.36	0/219	0.67	0/297
9	K4	0.36	0/219	0.65	0/297
9	K5	0.42	0/219	0.55	0/297
9	K6	0.38	0/219	0.55	0/297
10	L1	0.41	0/1148	0.67	0/1558
10	L2	0.40	0/1148	0.69	0/1558
10	L3	0.46	0/1148	0.72	0/1558
10	L4	0.47	0/1148	0.72	0/1558
10	L5	0.44	0/1148	0.62	0/1558
10	L6	0.43	0/1148	0.69	0/1558
11	M1	0.43	0/244	0.73	0/332
11	M2	0.45	0/244	0.72	0/332
11	M3	0.47	0/244	0.72	1/332 (0.3%)
11	M4	0.50	0/244	0.69	0/332
11	M5	0.45	0/244	0.69	0/332
11	M6	0.42	0/244	0.68	0/332
12	X1	0.37	0/242	0.55	0/332
12	X2	0.40	0/242	0.57	0/332
12	X3	0.38	0/242	0.57	0/332
12	X4	0.37	0/242	0.58	0/332
12	X5	0.39	0/242	0.46	0/332
12	X6	0.36	0/242	0.55	0/332
13	P1	0.46	0/758	0.73	1/1029 (0.1%)
13	P2	0.46	0/758	0.73	1/1029 (0.1%)
13	P3	0.46	0/758	0.73	1/1029 (0.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z  >5	RMSZ	# Z  >5
13	P4	0.46	0/758	0.73	1/1029 (0.1%)
13	P5	0.47	0/758	0.73	1/1029 (0.1%)
13	P6	0.46	0/758	0.73	1/1029 (0.1%)
All	All	0.41	0/112194	0.66	28/152892 (0.0%)

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
3	C1	0	1
3	C5	0	4
All	All	0	5

There are no bond length outliers.

All (28) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
4	D4	131	THR	N-CA-C	-6.86	92.48	111.00
4	D6	131	THR	N-CA-C	-6.73	92.83	111.00
4	D3	131	THR	N-CA-C	-6.71	92.88	111.00
4	D2	131	THR	N-CA-C	-6.33	93.92	111.00
2	B6	260	PHE	CB-CA-C	-6.27	97.86	110.40
2	B4	260	PHE	CB-CA-C	-6.16	98.08	110.40
11	M3	30	TYR	N-CA-C	5.81	126.69	111.00
3	C4	60	ASP	CA-C-N	-5.78	104.49	117.20
2	B5	651	VAL	CB-CA-C	-5.70	100.58	111.40
3	C6	60	ASP	CA-C-N	-5.68	104.69	117.20
1	A6	521	GLY	N-CA-C	-5.67	98.91	113.10
1	A4	521	GLY	N-CA-C	-5.63	99.03	113.10
2	B3	260	PHE	CB-CA-C	-5.38	99.64	110.40
3	C4	60	ASP	O-C-N	5.33	131.22	122.70
3	C6	60	ASP	O-C-N	5.27	131.13	122.70
1	A1	521	GLY	N-CA-C	-5.22	100.06	113.10
1	A5	521	GLY	N-CA-C	-5.21	100.07	113.10
1	A3	521	GLY	N-CA-C	-5.21	100.08	113.10
3	C6	61	PHE	N-CA-CB	5.21	119.97	110.60
1	A2	521	GLY	N-CA-C	-5.20	100.10	113.10
13	P1	89	LEU	CA-CB-CG	5.20	127.25	115.30
13	P5	89	LEU	CA-CB-CG	5.19	127.23	115.30
13	P6	89	LEU	CA-CB-CG	5.19	127.23	115.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
13	P3	89	LEU	CA-CB-CG	5.17	127.20	115.30
13	P4	89	LEU	CA-CB-CG	5.16	127.16	115.30
3	C4	61	PHE	N-CA-CB	5.13	119.84	110.60
13	P2	89	LEU	CA-CB-CG	5.12	127.08	115.30
1	A4	114	ALA	N-CA-C	-5.06	97.35	111.00

There are no chirality outliers.

All (5) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
3	C1	61	PHE	Peptide
3	C5	14	THR	Peptide
3	C5	15	GLN	Peptide
3	C5	40	SER	Peptide
3	C5	60	ASP	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	A1	5784	0	5641	277	0
1	A2	5784	0	5638	248	0
1	A3	5784	0	5641	228	0
1	A4	5784	0	5639	243	0
1	A5	5784	0	5637	228	0
1	A6	5784	0	5641	214	0
2	B1	5879	0	5634	469	0
2	B2	5879	0	5633	278	0
2	B3	5879	0	5634	317	0
2	B4	5879	0	5633	326	0
2	B5	5879	0	5634	292	0
2	B6	5879	0	5633	262	0
3	C1	598	0	586	33	0
3	C2	598	0	586	36	0
3	C3	598	0	587	34	0
3	C4	598	0	584	34	0
3	C5	598	0	586	49	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
3	C6	598	0	584	30	0
4	D1	1075	0	1077	18	0
4	D2	1075	0	1077	21	0
4	D3	1075	0	1077	20	0
4	D4	1075	0	1077	25	0
4	D5	1075	0	1077	13	0
4	D6	1075	0	1077	20	0
5	E1	539	0	528	7	0
5	E2	539	0	528	34	0
5	E3	539	0	528	21	0
5	E4	539	0	528	27	0
5	E5	539	0	528	12	0
5	E6	539	0	528	18	0
6	F1	1065	0	1077	24	0
6	F2	1065	0	1077	39	0
6	F3	1065	0	1077	21	0
6	F4	1065	0	1077	32	0
6	F5	1065	0	1077	21	0
6	F6	1065	0	1077	33	0
7	I1	301	0	306	29	0
7	I2	301	0	306	24	0
7	I3	301	0	306	15	0
7	I4	301	0	306	31	0
7	I5	301	0	306	19	0
7	I6	301	0	306	13	0
8	J1	338	0	347	22	0
8	J2	338	0	347	16	0
8	J3	338	0	347	19	0
8	J4	338	0	347	26	0
8	J5	338	0	347	25	0
8	J6	338	0	347	26	0
9	K1	222	0	110	7	0
9	K2	222	0	110	6	0
9	K3	222	0	110	4	0
9	K4	222	0	110	6	0
9	K5	222	0	110	2	0
9	K6	222	0	110	4	0
10	L1	1119	0	1125	45	0
10	L2	1119	0	1125	53	0
10	L3	1119	0	1125	64	0
10	L4	1119	0	1125	54	0
10	L5	1119	0	1125	66	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
10	L6	1119	0	1125	60	0
11	M1	241	0	264	5	0
11	M2	241	0	264	8	0
11	M3	241	0	264	21	0
11	M4	241	0	264	17	0
11	M5	241	0	264	6	0
11	M6	241	0	264	9	0
12	X1	233	0	231	6	0
12	X2	233	0	231	10	0
12	X3	233	0	231	8	0
12	X4	233	0	231	19	0
12	X5	233	0	231	0	0
12	X6	233	0	231	4	0
13	P1	748	0	705	37	0
13	P2	748	0	705	53	0
13	P3	748	0	705	34	0
13	P4	748	0	705	44	0
13	P5	748	0	705	33	0
13	P6	748	0	705	23	0
14	A1	2310	0	2272	156	0
14	A2	2615	0	2593	177	0
14	A3	2622	0	2603	179	0
14	A4	2485	0	2449	155	0
14	A5	2516	0	2502	154	0
14	A6	2420	0	2377	168	0
14	B1	2477	0	2443	439	0
14	B2	2295	0	2256	233	0
14	B3	2466	0	2419	302	0
14	B4	2531	0	2491	273	0
14	B5	2466	0	2419	242	0
14	B6	2295	0	2256	210	0
14	F1	45	0	33	1	0
14	F2	82	0	58	13	0
14	F3	45	0	33	3	0
14	F4	45	0	33	7	0
14	F5	45	0	33	4	0
14	F6	45	0	33	14	0
14	I1	65	0	72	3	0
14	I6	65	0	72	2	0
14	J1	82	0	58	12	0
14	J2	45	0	33	6	0
14	J3	82	0	58	6	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
14	J4	82	0	58	12	0
14	J5	82	0	58	9	0
14	J6	147	0	130	7	0
14	K1	45	0	33	4	0
14	K2	45	0	33	3	0
14	K3	45	0	33	1	0
14	K4	45	0	33	3	0
14	K5	86	0	62	1	0
14	K6	45	0	33	2	0
14	L1	325	0	360	25	0
14	L2	260	0	288	23	0
14	L3	240	0	249	32	0
14	L4	260	0	288	38	0
14	L5	305	0	321	41	0
14	L6	325	0	360	47	0
14	M1	54	0	48	3	0
14	M2	54	0	48	1	0
14	M3	45	0	33	11	0
14	M6	54	0	48	2	0
14	X1	45	0	33	2	0
14	X2	45	0	33	6	0
14	X3	45	0	33	1	0
14	X4	45	0	33	16	0
14	X5	45	0	33	2	0
14	X6	45	0	33	1	0
15	A1	33	0	46	3	0
15	A2	33	0	46	3	0
15	A3	33	0	46	2	0
15	A4	33	0	46	2	0
15	A5	33	0	46	2	0
15	A6	33	0	46	4	0
15	B1	33	0	46	5	0
15	B2	33	0	46	1	0
15	B3	33	0	46	3	0
15	B4	33	0	46	7	0
15	B5	33	0	46	2	0
15	B6	33	0	46	1	0
16	A1	240	0	336	33	0
16	A2	240	0	336	20	0
16	A3	280	0	392	27	0
16	A4	240	0	336	23	0
16	A5	280	0	392	24	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
16	A6	280	0	392	28	0
16	B1	305	0	425	32	0
16	B2	265	0	369	20	0
16	B3	225	0	313	25	0
16	B4	225	0	313	23	0
16	B5	225	0	313	18	0
16	B6	225	0	313	17	0
16	F1	40	0	56	2	0
16	F2	80	0	112	5	0
16	F3	80	0	112	3	0
16	F4	120	0	168	15	0
16	F5	40	0	56	2	0
16	F6	80	0	112	3	0
16	I1	80	0	112	12	0
16	I2	40	0	56	5	0
16	I3	80	0	112	7	0
16	I4	80	0	112	12	0
16	I5	80	0	112	5	0
16	I6	40	0	56	3	0
16	J1	80	0	112	13	0
16	J2	80	0	112	10	0
16	J3	80	0	112	6	0
16	J4	80	0	112	13	0
16	J5	120	0	168	22	0
16	J6	80	0	112	14	0
16	L1	80	0	112	12	0
16	L2	120	0	168	10	0
16	L3	80	0	112	9	0
16	L4	80	0	112	13	0
16	L5	80	0	112	11	0
16	L6	120	0	168	9	0
16	M1	40	0	56	2	0
16	M2	40	0	56	2	0
16	M3	40	0	56	9	0
16	M4	40	0	56	6	0
16	M5	40	0	56	3	0
16	M6	40	0	56	2	0
17	A1	76	0	98	6	0
17	A2	76	0	98	5	0
17	A3	76	0	98	5	0
17	A4	76	0	98	7	0
17	A5	76	0	98	4	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
17	A6	76	0	98	5	0
17	B1	23	0	16	2	0
17	B2	23	0	16	2	0
17	B6	23	0	16	2	0
17	X3	23	0	16	6	0
17	X4	23	0	16	1	0
17	X5	23	0	16	0	0
18	A1	8	0	0	6	0
18	A2	8	0	0	4	0
18	A3	8	0	0	8	0
18	A4	8	0	0	4	0
18	A5	8	0	0	5	0
18	B6	8	0	0	7	0
18	C1	16	0	0	12	0
18	C2	16	0	0	13	0
18	C3	16	0	0	12	0
18	C4	16	0	0	7	0
18	C5	16	0	0	13	0
18	C6	16	0	0	8	0
19	B1	55	0	86	8	0
19	B2	55	0	86	6	0
19	B3	55	0	86	8	0
19	B4	55	0	86	8	0
19	B5	55	0	86	9	0
19	B6	55	0	86	10	0
20	L1	2	0	0	0	0
20	L2	1	0	0	0	0
20	L4	2	0	0	0	0
20	L6	1	0	0	0	0
21	P1	4	0	0	0	0
21	P2	4	0	0	0	0
21	P3	4	0	0	0	0
21	P4	4	0	0	0	0
21	P5	4	0	0	0	0
21	P6	4	0	0	0	0
All	All	148494	0	147087	5478	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 19.

All (5478) 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)
1:A5:40:ARG:CG	13:P5:60:SER:HB2	1.30	1.60
1:A5:40:ARG:HG3	13:P5:60:SER:CB	1.37	1.52
1:A5:40:ARG:CG	13:P5:60:SER:CB	1.84	1.51
1:A1:36:ARG:NH1	13:P1:70:ILE:HG13	1.18	1.43
5:E5:39:ARG:NH1	13:P5:24:TYR:CZ	1.89	1.37
1:A1:36:ARG:NH1	13:P1:70:ILE:CG1	1.92	1.33
5:E5:39:ARG:NH1	13:P5:24:TYR:CE2	1.99	1.30
5:E4:39:ARG:NH1	13:P4:24:TYR:OH	1.65	1.29
1:A1:40:ARG:HG2	13:P1:61:ASP:OD1	1.12	1.28
1:A4:578:CYS:SG	18:A4:852:SF4:FE3	1.25	1.26
5:E5:39:ARG:CZ	13:P5:24:TYR:OH	1.84	1.25
1:A5:36:ARG:NH1	13:P5:67:ASP:O	1.70	1.23
1:A5:40:ARG:HG2	13:P5:60:SER:OG	1.34	1.23
2:B1:531:LEU:HD11	14:B1:802:CLA:O1A	1.38	1.23
1:A2:36:ARG:NH1	13:P2:67:ASP:O	1.75	1.20
5:E4:57:THR:HG23	13:P4:42:ALA:CB	1.72	1.19
5:E2:3:ARG:NH2	13:P2:31:GLU:OE1	1.75	1.19
5:E4:37:ILE:HD13	13:P4:41:ARG:HD3	1.22	1.17
2:B1:25:ALA:HB2	19:B1:850:LMG:H121	1.23	1.17
2:B1:622:LEU:HD12	14:B1:805:CLA:C1	1.74	1.15
5:E4:57:THR:HG23	13:P4:42:ALA:HB2	1.15	1.15
3:C2:20:CYS:SG	18:C2:101:SF4:FE2	1.38	1.14
5:E4:57:THR:HG21	13:P4:42:ALA:HA	1.28	1.14
5:E6:37:ILE:HD13	13:P6:41:ARG:HD3	1.30	1.14
2:B3:21:TRP:CZ2	14:B3:1842:CLA:HMB1	1.84	1.12
2:B4:622:LEU:HD12	14:B4:804:CLA:C1	1.79	1.12
1:A5:40:ARG:HG2	13:P5:60:SER:CB	1.62	1.11
5:E5:39:ARG:CZ	13:P5:24:TYR:CZ	2.34	1.11
10:L4:134:VAL:HG23	16:L4:208:BCR:H403	1.31	1.10
1:A4:40:ARG:CG	13:P4:60:SER:O	1.99	1.10
5:E4:39:ARG:NH1	13:P4:24:TYR:CZ	2.18	1.10
5:E4:39:ARG:CZ	13:P4:24:TYR:OH	1.99	1.10
9:K6:73:VAL:HA	14:K6:1401:CLA:HBB1	1.34	1.09
5:E2:3:ARG:HH22	13:P2:31:GLU:CG	1.65	1.09
2:B2:425:LEU:HG	14:B2:838:CLA:CBB	1.82	1.09
1:A6:587:CYS:SG	18:B6:801:SF4:FE2	1.43	1.09
1:A4:36:ARG:HD2	13:P4:67:ASP:OD1	1.50	1.08
5:E4:57:THR:CG2	13:P4:42:ALA:CB	2.31	1.08
1:A1:39:ALA:HB1	13:P1:60:SER:HB2	1.19	1.07
14:B1:854:CLA:H91	14:L2:207:CLA:H93	1.35	1.07
2:B1:622:LEU:HD12	14:B1:805:CLA:H11	1.16	1.07
9:K1:73:VAL:HA	14:K1:1401:CLA:HBB1	1.34	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
5:E3:3:ARG:HH12	13:P3:31:GLU:HB2	1.20	1.07
1:A1:40:ARG:CG	13:P1:61:ASP:OD1	2.02	1.07
2:B2:229:TRP:HB2	14:B2:815:CLA:H12	1.34	1.07
5:E2:39:ARG:NH1	13:P2:24:TYR:CE2	2.23	1.07
5:E2:3:ARG:HH22	13:P2:31:GLU:CB	1.67	1.06
1:A1:36:ARG:HH22	13:P1:70:ILE:HB	1.20	1.06
9:K2:73:VAL:HA	14:K2:1401:CLA:HBB1	1.13	1.05
2:B1:298:HIS:CE1	14:B1:823:CLA:OBD	2.10	1.05
2:B3:166:TRP:CZ2	14:B3:1813:CLA:HMA1	1.90	1.05
2:B2:425:LEU:HG	14:B2:838:CLA:HBB1	1.32	1.05
2:B6:425:LEU:HG	14:B6:839:CLA:CBB	1.87	1.05
14:B1:854:CLA:HMB3	7:I1:20:TRP:CZ2	1.91	1.04
5:E4:37:ILE:HD13	13:P4:41:ARG:CD	1.87	1.04
2:B1:52:HIS:CE1	14:B1:807:CLA:CMA	2.39	1.04
8:J5:31:ARG:HD3	16:J5:104:BCR:H312	1.38	1.04
7:I4:20:TRP:NE1	16:I4:102:BCR:HC22	1.72	1.03
1:A3:40:ARG:HD3	13:P3:60:SER:O	1.58	1.03
1:A1:40:ARG:CD	13:P1:61:ASP:HA	1.89	1.03
5:E3:37:ILE:HD13	13:P3:41:ARG:CD	1.88	1.02
2:B6:122:TRP:CZ2	14:B6:813:CLA:H191	1.94	1.02
10:L6:142:PHE:CE1	14:L6:208:CLA:H12	1.93	1.02
2:B4:622:LEU:HD12	14:B4:804:CLA:H11	1.02	1.02
14:B4:812:CLA:H91	14:L6:208:CLA:H93	1.38	1.02
10:L3:61:PRO:HB3	14:L3:205:CLA:HBB1	1.41	1.02
1:A4:578:CYS:SG	18:A4:852:SF4:S4	2.58	1.01
14:B1:854:CLA:HMB3	7:I1:20:TRP:HZ2	1.22	1.01
6:F6:76:TRP:NE1	14:F6:202:CLA:HBD	1.75	1.01
5:E5:39:ARG:NH2	13:P5:24:TYR:OH	1.94	1.01
2:B1:122:TRP:CZ2	14:B1:814:CLA:H201	1.95	1.00
8:J1:24:GLY:HA3	14:J1:101:CLA:HBB1	1.42	1.00
2:B2:339:TRP:HE1	14:B2:823:CLA:C2B	1.72	1.00
12:X4:26:VAL:HB	14:X4:102:CLA:HED1	1.44	1.00
1:A5:36:ARG:NH1	13:P5:70:ILE:HB	1.76	1.00
1:A5:36:ARG:HH11	13:P5:70:ILE:HB	1.23	1.00
1:A2:578:CYS:SG	18:A2:1655:SF4:S4	2.60	1.00
1:A1:39:ALA:CB	13:P1:60:SER:HB2	1.92	0.99
1:A3:270:PHE:CE1	14:A3:844:CLA:HMD2	1.97	0.99
1:A4:536:PHE:HA	14:A4:836:CLA:HED1	1.45	0.99
3:C5:13:CYS:SG	3:C5:15:GLN:HB2	2.02	0.99
2:B3:48:SER:OG	14:B3:1807:CLA:HBB1	1.61	0.98
1:A5:313:HIS:CE1	16:A5:845:BCR:H363	1.98	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B1:278:ALA:HB2	14:B1:818:CLA:HBB1	1.44	0.98
3:C3:47:CYS:SG	18:C3:101:SF4:FE4	1.55	0.98
3:C3:50:CYS:HG	18:C3:101:SF4:FE1	0.71	0.97
3:C1:20:CYS:SG	18:C1:101:SF4:FE2	1.56	0.97
1:A1:36:ARG:NH2	13:P1:70:ILE:HB	1.79	0.97
1:A2:536:PHE:HA	14:A2:1639:CLA:HED1	1.46	0.97
1:A5:536:PHE:HA	14:A5:837:CLA:HED1	1.44	0.97
5:E2:3:ARG:HH22	13:P2:31:GLU:HB2	1.27	0.97
2:B1:342:ALA:HB2	16:B1:847:BCR:H372	1.47	0.97
2:B4:622:LEU:CD1	14:B4:804:CLA:H11	1.95	0.96
10:L4:62:TRP:CZ2	14:L4:201:CLA:H11	2.00	0.96
2:B1:52:HIS:CE1	14:B1:807:CLA:HMA1	1.98	0.96
18:A5:854:SF4:FE1	2:B5:574:CYS:SG	1.56	0.96
3:C5:20:CYS:HG	18:C5:101:SF4:FE2	0.70	0.96
18:A1:850:SF4:FE4	2:B1:565:CYS:HG	0.80	0.96
1:A1:578:CYS:SG	18:A1:850:SF4:FE3	1.56	0.96
2:B5:153:TRP:CZ3	14:B5:1801:CLA:H62	1.99	0.96
3:C1:47:CYS:HG	18:C1:101:SF4:FE4	0.83	0.96
2:B6:229:TRP:HB2	14:B6:816:CLA:H12	1.47	0.96
3:C6:20:CYS:HG	18:C6:101:SF4:FE2	0.83	0.96
2:B5:630:LEU:HD22	14:B5:1803:CLA:HMD1	1.45	0.96
2:B1:525:VAL:HG12	14:B1:804:CLA:H141	1.45	0.96
2:B6:574:CYS:HG	18:B6:801:SF4:FE1	0.80	0.96
2:B1:122:TRP:HZ2	14:B1:814:CLA:H191	1.30	0.95
5:E2:3:ARG:NH2	13:P2:31:GLU:HB2	1.80	0.95
3:C6:50:CYS:HG	18:C6:101:SF4:FE1	0.69	0.95
3:C5:47:CYS:HG	18:C5:101:SF4:FE4	0.75	0.95
11:M3:9:TYR:HB3	16:M3:1602:BCR:H401	1.48	0.95
1:A1:36:ARG:CZ	13:P1:70:ILE:HG13	1.96	0.95
1:A5:36:ARG:HH12	13:P5:71:GLU:H	1.12	0.95
2:B6:340:HIS:CD2	14:B6:824:CLA:HAA1	2.01	0.95
2:B1:229:TRP:HB2	14:B1:817:CLA:H12	1.48	0.94
1:A1:36:ARG:HH12	13:P1:70:ILE:CG1	1.68	0.94
2:B4:256:PHE:CE1	14:B4:819:CLA:HAB	2.02	0.94
16:L6:201:BCR:H313	14:L6:202:CLA:H143	1.48	0.94
1:A1:536:PHE:HA	14:A1:835:CLA:HED1	1.48	0.94
3:C3:13:CYS:HG	18:C3:102:SF4:FE3	0.74	0.94
1:A5:40:ARG:HG3	13:P5:60:SER:CA	1.96	0.94
3:C1:10:CYS:SG	18:C1:102:SF4:FE4	1.60	0.94
1:A3:40:ARG:CD	13:P3:60:SER:O	2.14	0.94
3:C5:10:CYS:HG	18:C5:102:SF4:FE4	0.63	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
5:E4:57:THR:HG21	13:P4:42:ALA:CA	1.97	0.93
2:B4:189:TRP:CA	14:B4:816:CLA:HBB1	1.98	0.93
2:B4:189:TRP:HA	14:B4:816:CLA:HBB1	1.51	0.93
2:B3:622:LEU:HD12	14:B3:1804:CLA:H11	1.51	0.93
2:B1:622:LEU:CD1	14:B1:805:CLA:H11	1.99	0.93
1:A6:536:PHE:HA	14:A6:1637:CLA:HED1	1.50	0.93
3:C5:61:PHE:O	3:C5:62:LEU:O	1.87	0.93
18:A2:1655:SF4:FE1	2:B2:574:CYS:HG	0.66	0.92
2:B2:438:GLY:HA3	14:B2:832:CLA:CBB	1.99	0.92
1:A3:578:CYS:SG	18:A3:855:SF4:FE3	1.61	0.92
1:A3:536:PHE:HA	14:A3:838:CLA:HED1	1.50	0.92
2:B5:630:LEU:HD22	14:B5:1803:CLA:CMD	1.98	0.92
2:B3:425:LEU:HG	14:B3:1841:CLA:CBB	1.98	0.92
2:B3:256:PHE:CE1	14:B3:1819:CLA:HAB	2.05	0.92
2:B1:229:TRP:C	14:B1:817:CLA:HBA2	1.90	0.92
2:B1:531:LEU:CD1	14:B1:802:CLA:O1A	2.17	0.92
5:E5:39:ARG:NH2	13:P5:81:TYR:OH	2.02	0.92
3:C2:13:CYS:SG	18:C2:102:SF4:FE3	1.61	0.92
2:B1:230:GLY:HA2	14:B1:817:CLA:HAA2	1.51	0.92
10:L5:53:ALA:CB	14:L5:205:CLA:HED3	2.00	0.92
2:B3:21:TRP:HZ2	14:B3:1842:CLA:HMB1	1.31	0.92
3:C4:57:CYS:HG	18:C4:102:SF4:FE1	0.63	0.91
2:B1:493:PRO:HG3	14:B1:837:CLA:C1D	2.00	0.91
14:B1:811:CLA:H203	7:I1:26:VAL:CG2	2.00	0.91
18:A5:854:SF4:FE1	2:B5:574:CYS:HG	0.78	0.91
2:B1:25:ALA:CB	19:B1:850:LMG:H121	1.99	0.91
14:L4:203:CLA:HBA2	16:L4:208:BCR:H363	1.52	0.91
1:A3:506:ALA:O	1:A6:627:PRO:HB3	1.71	0.91
3:C4:20:CYS:HG	18:C4:101:SF4:FE2	0.64	0.91
2:B1:52:HIS:CE1	14:B1:807:CLA:HMA2	2.04	0.91
2:B1:177:HIS:ND1	14:B1:825:CLA:O1D	2.03	0.91
8:J6:31:ARG:HD3	16:J6:1105:BCR:H312	1.51	0.91
2:B4:668:MET:SD	14:B4:805:CLA:MG	1.52	0.91
5:E6:37:ILE:CD1	13:P6:41:ARG:HD3	2.00	0.91
3:C3:11:ILE:HD12	13:P3:39:SER:O	1.71	0.91
3:C1:16:CYS:HG	18:C1:102:SF4:FE2	0.65	0.90
2:B6:64:LEU:HD11	16:B6:845:BCR:H271	1.53	0.90
1:A4:36:ARG:NH1	13:P4:67:ASP:O	2.04	0.90
2:B4:425:LEU:HG	14:B4:841:CLA:CBB	2.00	0.90
6:F6:76:TRP:CH2	14:F6:202:CLA:O1A	2.24	0.90
16:A3:852:BCR:H362	14:B3:1804:CLA:H42	1.54	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
5:E4:57:THR:CG2	13:P4:42:ALA:HB2	1.95	0.89
3:C5:57:CYS:HG	18:C5:102:SF4:FE1	0.65	0.89
3:C1:13:CYS:SG	18:C1:102:SF4:FE3	1.64	0.89
16:A6:1648:BCR:H362	14:A6:1651:CLA:H42	1.54	0.89
1:A3:578:CYS:HG	18:A3:855:SF4:FE3	0.63	0.89
18:A3:855:SF4:FE4	2:B3:565:CYS:HG	0.86	0.89
1:A4:36:ARG:HD2	13:P4:67:ASP:CG	1.93	0.89
3:C4:13:CYS:SG	18:C4:102:SF4:FE3	1.63	0.89
8:J5:24:GLY:HA3	14:J5:101:CLA:HBB1	1.54	0.89
12:X3:12:ARG:HB3	17:X3:101:LHG:HC5	1.55	0.89
11:M2:24:ARG:HH21	14:L3:202:CLA:HED2	1.38	0.88
2:B1:535:THR:HG23	14:B1:802:CLA:HBD	1.53	0.88
6:F2:69:LEU:HB2	14:F2:204:CLA:CBB	2.02	0.88
16:A4:849:BCR:H362	14:B4:804:CLA:H42	1.54	0.88
2:B4:25:ALA:HB2	19:B4:851:LMG:H121	1.55	0.88
14:A6:1651:CLA:H11	2:B6:622:LEU:HD12	1.53	0.88
3:C6:13:CYS:HG	18:C6:102:SF4:FE3	0.89	0.87
1:A6:352:TRP:CD1	14:A6:1625:CLA:H201	2.08	0.87
1:A1:40:ARG:HD3	13:P1:61:ASP:HA	1.54	0.87
3:C3:20:CYS:HG	18:C3:101:SF4:FE2	0.63	0.87
16:A5:850:BCR:H362	14:B5:1804:CLA:H42	1.56	0.87
3:C5:40:SER:HB3	3:C5:41:SER:HA	1.56	0.87
3:C3:11:ILE:HD11	13:P3:40:CYS:HA	1.54	0.87
16:A2:1652:BCR:H362	14:B2:802:CLA:H42	1.56	0.87
2:B2:339:TRP:HZ2	14:B2:823:CLA:HAB	1.40	0.87
2:B4:180:GLY:HA3	14:B4:815:CLA:HBB1	1.56	0.87
2:B5:622:LEU:HD12	14:B5:1804:CLA:H11	1.57	0.87
3:C2:57:CYS:HG	18:C2:102:SF4:FE1	0.58	0.86
14:A4:831:CLA:H143	16:L4:208:BCR:H313	1.57	0.86
2:B4:176:HIS:CG	14:B4:815:CLA:HMC2	2.10	0.86
10:L4:134:VAL:CG2	16:L4:208:BCR:H403	2.05	0.86
10:L6:58:LEU:HD21	14:L6:203:CLA:H192	1.55	0.86
10:L6:89:ALA:HB2	14:L6:203:CLA:H141	1.57	0.86
2:B1:60:VAL:CG2	14:B1:829:CLA:H11	2.05	0.86
2:B6:339:TRP:HE1	14:B6:824:CLA:C2B	1.87	0.86
16:A1:847:BCR:H362	14:B1:805:CLA:H42	1.56	0.86
3:C6:11:ILE:CD1	13:P6:40:CYS:HA	2.04	0.86
2:B2:60:VAL:CG2	14:B2:827:CLA:H11	2.05	0.86
5:E4:57:THR:CG2	13:P4:42:ALA:HA	2.04	0.86
6:F2:88:VAL:HG12	6:F2:94:ALA:HA	1.57	0.86
2:B6:438:GLY:HA3	14:B6:833:CLA:CBB	2.06	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B3:189:TRP:HA	14:B3:1816:CLA:HBB1	1.56	0.86
8:J4:24:GLY:HA3	14:J4:101:CLA:HBB1	1.57	0.86
1:A5:36:ARG:HH12	13:P5:71:GLU:N	1.72	0.86
10:L3:138:LEU:HD13	14:L3:205:CLA:H92	1.59	0.85
2:B6:425:LEU:HG	14:B6:839:CLA:HBB1	1.58	0.85
2:B6:339:TRP:HE1	14:B6:824:CLA:C3B	1.88	0.85
3:C6:57:CYS:HG	18:C6:102:SF4:FE1	0.88	0.85
3:C5:47:CYS:SG	18:C5:101:SF4:FE4	1.68	0.85
2:B3:725:LEU:HD11	14:B3:1831:CLA:H203	1.58	0.85
5:E3:37:ILE:HD13	13:P3:41:ARG:HD3	1.58	0.85
2:B1:28:HIS:ND1	14:B1:808:CLA:O1A	2.10	0.85
2:B1:53:LEU:CD1	14:B1:807:CLA:CGA	2.55	0.85
2:B1:230:GLY:N	14:B1:817:CLA:CBA	2.39	0.85
2:B1:427:TRP:HD1	14:B1:803:CLA:O1A	1.58	0.85
2:B1:466:ILE:CD1	14:B1:838:CLA:O2A	2.24	0.85
3:C3:57:CYS:HG	18:C3:102:SF4:FE1	0.91	0.85
2:B6:724:ILE:HD13	14:B6:827:CLA:HMC2	1.58	0.85
6:F4:73:ILE:HG23	14:F4:202:CLA:HAA1	1.59	0.85
11:M4:4:THR:N	11:M4:7:GLN:OE1	2.10	0.85
2:B1:173:ARG:HB3	14:B1:825:CLA:HMD1	1.59	0.84
8:J1:27:ILE:CG2	16:J1:104:BCR:H343	2.06	0.84
2:B4:174:LEU:HD21	14:B4:826:CLA:C1D	2.06	0.84
9:K4:73:VAL:HA	14:K4:1401:CLA:HBB1	1.58	0.84
3:C6:11:ILE:HD12	13:P6:40:CYS:HA	1.59	0.84
2:B5:153:TRP:HZ3	14:B5:1801:CLA:H62	1.37	0.84
9:K2:73:VAL:HA	14:K2:1401:CLA:CBB	2.03	0.84
1:A3:352:TRP:CD1	14:A3:825:CLA:H201	2.11	0.84
1:A4:40:ARG:CD	13:P4:60:SER:O	2.25	0.84
3:C5:50:CYS:HG	18:C5:101:SF4:FE1	0.92	0.84
2:B1:230:GLY:N	14:B1:817:CLA:HBA1	1.92	0.84
3:C6:15:GLN:OE1	13:P6:64:PHE:HE2	1.60	0.84
14:L1:201:CLA:H143	16:L1:209:BCR:H313	1.60	0.84
2:B3:176:HIS:CG	14:B3:1815:CLA:HMC2	2.11	0.84
8:J4:31:ARG:HD3	16:J4:104:BCR:H312	1.58	0.84
2:B1:313:LYS:O	2:B1:314:VAL:HG22	1.78	0.84
2:B3:65:PHE:CE2	14:B3:1809:CLA:CHD	2.60	0.84
2:B1:122:TRP:CZ2	14:B1:814:CLA:H191	2.13	0.84
2:B4:509:SER:O	2:B4:511:THR:N	2.11	0.83
12:X4:26:VAL:HG12	14:X4:102:CLA:CED	2.07	0.83
2:B4:176:HIS:ND1	14:B4:815:CLA:HMC2	1.94	0.83
1:A5:40:ARG:CB	13:P5:60:SER:HB2	2.07	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B1:207:GLY:C	14:B1:815:CLA:HMD1	1.98	0.83
2:B2:438:GLY:HA3	14:B2:832:CLA:HBB1	1.60	0.83
10:L3:48:LEU:HD13	14:L3:203:CLA:CED	2.08	0.83
18:A3:855:SF4:FE4	2:B3:565:CYS:SG	1.71	0.83
2:B3:313:LYS:O	2:B3:314:VAL:HG22	1.77	0.83
3:C3:13:CYS:SG	18:C3:102:SF4:FE3	1.68	0.83
5:E4:57:THR:CG2	13:P4:42:ALA:CA	2.55	0.83
14:A5:801:CLA:HBB1	14:B5:1804:CLA:HED1	1.61	0.83
2:B1:65:PHE:HE2	14:B1:809:CLA:CHD	1.91	0.83
2:B5:622:LEU:HD12	14:B5:1804:CLA:C1	2.08	0.83
14:L1:207:CLA:H93	14:B3:1812:CLA:H91	1.58	0.83
2:B6:438:GLY:HA3	14:B6:833:CLA:HBB1	1.60	0.83
1:A1:36:ARG:NH2	13:P1:70:ILE:CG2	2.42	0.83
2:B3:271:ASP:HB3	14:B3:1819:CLA:HMA1	1.60	0.83
2:B2:313:LYS:O	2:B2:314:VAL:HG22	1.79	0.82
1:A1:578:CYS:HG	18:A1:850:SF4:FE3	0.57	0.82
5:E2:3:ARG:HH22	13:P2:31:GLU:CD	1.82	0.82
2:B3:430:LEU:HD13	14:B3:1802:CLA:HED3	1.59	0.82
10:L5:115:GLU:O	10:L5:118:SER:OG	1.94	0.82
2:B1:274:HIS:HB3	14:B1:818:CLA:HMB3	1.60	0.82
2:B5:339:TRP:HE1	14:B5:1826:CLA:C2B	1.92	0.82
6:F3:88:VAL:HG12	6:F3:94:ALA:HA	1.62	0.82
2:B5:525:VAL:HG12	14:B5:1803:CLA:H141	1.59	0.82
8:J5:27:ILE:HD13	16:J5:104:BCR:C11	2.10	0.82
6:F1:88:VAL:HG12	6:F1:94:ALA:HA	1.62	0.82
1:A3:180:TYR:OH	14:A3:811:CLA:O1D	1.97	0.82
3:C3:20:CYS:SG	18:C3:101:SF4:FE2	1.70	0.82
1:A1:207:LEU:HD22	16:A1:843:BCR:H361	1.60	0.82
1:A1:36:ARG:HH11	13:P1:70:ILE:HG13	1.37	0.82
8:J1:27:ILE:HD13	16:J1:104:BCR:C11	2.10	0.82
1:A4:203:GLY:HA2	14:A4:819:CLA:HBC1	1.60	0.82
5:E2:3:ARG:NH2	13:P2:31:GLU:CD	2.32	0.82
2:B6:278:ALA:HB2	14:B6:817:CLA:HBB1	1.61	0.82
14:A2:1602:CLA:HBB1	14:B2:802:CLA:HED1	1.62	0.82
2:B1:65:PHE:CE2	14:B1:809:CLA:CHD	2.62	0.81
2:B1:122:TRP:CH2	14:B1:814:CLA:H201	2.15	0.81
1:A1:36:ARG:NH2	13:P1:70:ILE:CB	2.42	0.81
2:B3:509:SER:O	2:B3:511:THR:N	2.13	0.81
1:A5:281:PHE:CE1	14:A5:818:CLA:HAB	2.16	0.81
1:A3:36:ARG:NH2	13:P3:71:GLU:OE2	2.13	0.81
2:B3:189:TRP:CA	14:B3:1816:CLA:HBB1	2.09	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A4:40:ARG:HG3	13:P4:60:SER:O	1.77	0.81
14:L4:205:CLA:H93	14:B5:1812:CLA:H91	1.62	0.81
2:B6:52:HIS:NE2	14:B6:806:CLA:HMA1	1.94	0.81
2:B1:296:ILE:HG13	14:B1:822:CLA:OBD	1.81	0.81
2:B1:456:ILE:HD11	14:B1:834:CLA:CHB	2.11	0.81
3:C2:13:CYS:HG	18:C2:102:SF4:FE3	0.50	0.81
3:C3:11:ILE:HD12	13:P3:39:SER:C	2.01	0.81
10:L3:49:GLU:OE2	14:L3:203:CLA:ND	2.13	0.81
2:B6:122:TRP:HZ2	14:B6:813:CLA:H191	1.41	0.81
2:B2:509:SER:O	2:B2:511:THR:N	2.13	0.81
1:A3:612:HIS:ND1	14:A3:837:CLA:HMC2	1.96	0.81
2:B2:177:HIS:ND1	14:B2:823:CLA:O1D	2.13	0.81
11:M3:21:LEU:HD21	14:M3:1601:CLA:HMA1	1.62	0.81
2:B4:220:GLY:HA3	14:B4:817:CLA:HMD1	1.62	0.81
2:B1:45:ILE:HD12	14:B1:807:CLA:C2C	2.11	0.81
5:E3:3:ARG:NH1	13:P3:31:GLU:HB2	1.96	0.81
2:B5:509:SER:O	2:B5:511:THR:N	2.13	0.81
14:A2:1644:CLA:H192	10:L2:58:LEU:CD2	2.11	0.81
2:B5:725:LEU:HD11	14:B5:1831:CLA:H203	1.61	0.81
10:L3:49:GLU:OE2	14:L3:203:CLA:MG	1.21	0.81
14:A1:801:CLA:HBB1	14:B1:805:CLA:HED1	1.63	0.80
2:B3:390:PHE:CE1	16:B3:1849:BCR:H373	2.15	0.80
2:B6:313:LYS:O	2:B6:314:VAL:HG22	1.80	0.80
18:A1:850:SF4:FE4	2:B1:565:CYS:SG	1.71	0.80
8:J3:31:ARG:HD3	16:J3:104:BCR:H312	1.62	0.80
2:B4:271:ASP:HB3	14:B4:819:CLA:HMA1	1.62	0.80
1:A2:189:TRP:CZ2	14:A2:1615:CLA:HAC2	2.16	0.80
8:J2:24:GLY:HA3	14:J2:101:CLA:HBB1	1.63	0.80
2:B3:180:GLY:HA3	14:B3:1815:CLA:HBB1	1.62	0.80
10:L6:124:PHE:CE1	16:L6:209:BCR:H292	2.17	0.80
3:C1:47:CYS:SG	18:C1:101:SF4:FE4	1.74	0.80
2:B1:509:SER:O	2:B1:511:THR:N	2.13	0.80
3:C1:16:CYS:SG	18:C1:102:SF4:FE2	1.74	0.80
1:A3:203:GLY:HA2	14:A3:820:CLA:HBC1	1.63	0.80
2:B5:313:LYS:O	2:B5:314:VAL:HG22	1.81	0.80
12:X4:26:VAL:CG1	14:X4:102:CLA:CED	2.60	0.80
2:B1:25:ALA:HB2	19:B1:850:LMG:C12	2.07	0.80
14:B2:809:CLA:H162	10:L3:56:TYR:OH	1.82	0.80
2:B5:531:LEU:HD11	14:B5:1802:CLA:O1A	1.81	0.80
5:E2:3:ARG:NH2	13:P2:31:GLU:CG	2.43	0.80
6:F4:88:VAL:HG12	6:F4:94:ALA:HA	1.64	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
5:E6:39:ARG:CZ	13:P6:24:TYR:OH	2.30	0.80
8:J6:26:LEU:HD23	16:J6:1104:BCR:HC7	1.62	0.80
14:A3:843:CLA:H151	10:L3:85:LEU:HD21	1.64	0.79
2:B4:525:VAL:HG12	14:B4:803:CLA:H141	1.63	0.79
2:B1:298:HIS:ND1	14:B1:823:CLA:OBD	2.15	0.79
5:E6:39:ARG:NH2	13:P6:24:TYR:OH	2.16	0.79
1:A6:718:GLN:NE2	5:E6:15:TYR:OH	2.14	0.79
14:A6:1602:CLA:HBB1	14:A6:1651:CLA:HED1	1.64	0.79
8:J5:27:ILE:CG2	16:J5:104:BCR:H343	2.13	0.79
1:A1:270:PHE:CE1	14:A1:840:CLA:HMD2	2.16	0.79
1:A2:578:CYS:SG	18:A2:1655:SF4:FE3	1.73	0.79
17:B2:849:LHG:HC2	12:X2:12:ARG:HH21	1.46	0.79
3:C2:57:CYS:SG	18:C2:102:SF4:FE1	1.75	0.79
14:A4:801:CLA:HBB1	14:B4:804:CLA:HED1	1.65	0.79
2:B4:313:LYS:O	2:B4:314:VAL:HG22	1.83	0.79
2:B6:509:SER:O	2:B6:511:THR:N	2.12	0.79
2:B6:537:THR:HG21	14:B6:825:CLA:CBB	2.13	0.79
2:B5:591:ASN:HB2	14:B5:1804:CLA:HBC2	1.64	0.79
2:B4:434:PHE:CE2	14:B4:802:CLA:C2	2.65	0.79
2:B5:278:ALA:HB2	14:B5:1819:CLA:HBB1	1.64	0.79
14:A2:1644:CLA:H192	10:L2:58:LEU:HD21	1.65	0.79
2:B2:278:ALA:HB2	14:B2:816:CLA:HBB1	1.65	0.79
2:B1:296:ILE:CG1	14:B1:822:CLA:OBD	2.31	0.79
2:B1:361:TYR:OH	14:B1:829:CLA:OBD	1.99	0.78
2:B1:727:TYR:HB2	14:B1:804:CLA:HED3	1.64	0.78
1:A4:423:ALA:HA	4:D4:38:VAL:HG11	1.65	0.78
1:A4:453:PHE:O	14:L4:201:CLA:HBB2	1.83	0.78
2:B6:116:TYR:HA	2:B6:370:THR:HG22	1.65	0.78
1:A2:627:PRO:HB3	1:A5:506:ALA:O	1.84	0.78
4:D4:101:PHE:HB3	4:D4:103:GLU:OE2	1.83	0.78
2:B1:229:TRP:CH2	14:B1:817:CLA:H71	2.17	0.78
1:A3:100:TYR:HA	1:A3:144:PHE:CE1	2.18	0.78
1:A4:207:LEU:HD22	16:A4:845:BCR:H361	1.63	0.78
2:B4:566:ASP:OD2	3:C4:65:ARG:NH2	2.16	0.78
2:B6:278:ALA:CB	14:B6:817:CLA:HBB1	2.13	0.78
10:L1:61:PRO:HB3	14:L1:207:CLA:HBB1	1.65	0.78
5:E2:57:THR:HG23	13:P2:42:ALA:HB2	1.65	0.78
14:A3:801:CLA:HBB1	14:B3:1804:CLA:HED1	1.64	0.78
3:C3:50:CYS:SG	18:C3:101:SF4:FE1	1.75	0.78
1:A6:203:GLY:HA2	14:A6:1620:CLA:HBC1	1.65	0.78
14:L1:205:CLA:HBA2	16:L1:209:BCR:H363	1.64	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B3:180:GLY:HA3	14:B3:1815:CLA:CBB	2.14	0.77
2:B3:493:PRO:HG3	14:B3:1838:CLA:C1D	2.14	0.77
1:A1:203:GLY:HA2	14:A1:819:CLA:HBC1	1.66	0.77
1:A5:203:GLY:HA2	14:A5:820:CLA:HBC1	1.67	0.77
2:B2:430:LEU:HB3	14:B2:831:CLA:HED3	1.66	0.77
3:C6:15:GLN:OE1	13:P6:64:PHE:CE2	2.38	0.77
10:L5:61:PRO:HB3	14:L5:206:CLA:HBB1	1.65	0.77
1:A1:40:ARG:HD3	13:P1:61:ASP:CA	2.13	0.77
3:C2:50:CYS:SG	18:C2:101:SF4:FE1	1.75	0.77
2:B6:52:HIS:CD2	14:B6:806:CLA:HMA1	2.19	0.77
1:A6:464:THR:HG22	1:A6:468:PHE:CE1	2.20	0.77
14:B6:809:CLA:H201	7:I6:23:PRO:HB3	1.67	0.76
10:L3:33:ASN:O	10:L3:38:ARG:NE	2.18	0.76
1:A5:453:PHE:O	14:L5:203:CLA:HBB2	1.85	0.76
2:B1:59:TRP:CD1	14:B1:808:CLA:HBC1	2.20	0.76
2:B1:65:PHE:CE2	14:B1:809:CLA:C4C	2.68	0.76
1:A3:270:PHE:CD1	14:A3:844:CLA:HMD2	2.20	0.76
2:B3:360:PRO:HG3	14:B3:1820:CLA:HBA1	1.67	0.76
6:F4:65:ILE:CD1	14:J4:102:CLA:HMB3	2.15	0.76
11:M4:24:ARG:HH21	14:A6:1601:CLA:HED2	1.49	0.76
1:A6:482:LEU:HB2	1:A6:533:THR:HG23	1.67	0.76
2:B5:622:LEU:HD13	14:B5:1804:CLA:CMA	2.15	0.76
2:B3:166:TRP:CZ2	14:B3:1813:CLA:CMA	2.66	0.76
10:L6:58:LEU:CD2	14:L6:203:CLA:H192	2.15	0.76
2:B6:181:LEU:CD1	14:B6:813:CLA:H43	2.16	0.76
2:B2:354:HIS:ND1	14:B2:816:CLA:OBD	2.16	0.76
5:E4:39:ARG:NH1	13:P4:24:TYR:CE2	2.53	0.76
11:M6:24:ARG:NH2	14:L5:202:CLA:HED2	2.01	0.76
1:A1:36:ARG:NH2	13:P1:70:ILE:HG21	2.01	0.76
2:B1:466:ILE:HD11	14:B1:838:CLA:O2A	1.84	0.76
2:B6:188:ALA:HA	14:B6:815:CLA:CBB	2.16	0.76
2:B1:60:VAL:HG21	14:B1:829:CLA:H11	1.66	0.76
2:B3:300:ILE:HG21	14:B3:1826:CLA:HAC1	1.68	0.76
10:L3:93:LEU:HD21	16:L3:206:BCR:H383	1.66	0.76
1:A6:453:PHE:O	14:A6:1633:CLA:HBB2	1.86	0.75
6:F6:88:VAL:HG12	6:F6:94:ALA:HA	1.69	0.75
3:C5:20:CYS:SG	18:C5:101:SF4:FE2	1.79	0.75
2:B1:339:TRP:CH2	16:B1:846:BCR:H372	2.20	0.75
8:J1:27:ILE:HG22	16:J1:104:BCR:H343	1.67	0.75
3:C6:13:CYS:SG	18:C6:102:SF4:FE3	1.79	0.75
1:A1:336:PHE:HB2	17:A1:849:LHG:HC41	1.66	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
6:F2:69:LEU:HB2	14:F2:204:CLA:HBB1	1.69	0.75
1:A3:453:PHE:O	14:A3:834:CLA:HBB2	1.86	0.75
1:A6:473:ASP:OD2	14:A6:1633:CLA:HED3	1.87	0.75
3:C6:50:CYS:SG	18:C6:101:SF4:FE1	1.79	0.75
1:A1:453:PHE:O	14:L1:202:CLA:HBB2	1.86	0.75
2:B1:60:VAL:HG21	14:B1:829:CLA:H42	1.68	0.75
10:L3:52:MET:HE2	14:L3:203:CLA:H2A	1.67	0.75
11:M2:4:THR:N	11:M2:7:GLN:OE1	2.15	0.75
1:A3:207:LEU:HD22	16:A3:848:BCR:H361	1.67	0.75
2:B6:181:LEU:HD11	14:B6:813:CLA:H43	1.68	0.75
3:C5:13:CYS:SG	18:C5:102:SF4:FE3	1.78	0.75
2:B1:256:PHE:CE1	14:B1:818:CLA:HAB	2.22	0.75
9:K1:73:VAL:CA	14:K1:1401:CLA:HBB1	2.15	0.75
2:B2:166:TRP:CZ2	14:B2:812:CLA:HAC2	2.21	0.74
14:B2:817:CLA:HMB1	14:B2:817:CLA:HBB1	1.69	0.74
1:A3:352:TRP:CE2	14:A3:825:CLA:H18	2.22	0.74
14:B6:818:CLA:HBB1	14:B6:818:CLA:HMB1	1.68	0.74
1:A1:84:PHE:CZ	14:A1:804:CLA:H91	2.22	0.74
1:A1:468:PHE:CZ	14:B1:811:CLA:CHC	2.70	0.74
14:B1:819:CLA:HBB1	14:B1:819:CLA:HMB1	1.70	0.74
2:B3:65:PHE:HE2	14:B3:1809:CLA:CHD	2.00	0.74
5:E3:57:THR:HG23	13:P3:42:ALA:HB2	1.68	0.74
2:B5:114:ILE:O	14:B5:1810:CLA:HMD3	1.87	0.74
2:B2:122:TRP:CZ2	14:B2:812:CLA:H191	2.22	0.74
14:B4:820:CLA:HBB1	14:B4:820:CLA:HMB1	1.69	0.74
8:J2:31:ARG:HD3	16:J2:103:BCR:H312	1.69	0.74
2:B4:180:GLY:HA3	14:B4:815:CLA:CBB	2.17	0.74
1:A3:336:PHE:HB2	17:A3:854:LHG:HC41	1.69	0.74
2:B3:493:PRO:HG3	14:B3:1838:CLA:C4D	2.17	0.74
1:A2:210:LEU:HD21	16:A2:1647:BCR:H342	1.70	0.74
11:M6:24:ARG:HH21	14:L5:202:CLA:HED2	1.51	0.74
14:B5:1820:CLA:HMB1	14:B5:1820:CLA:HBB1	1.69	0.74
3:C1:13:CYS:HG	18:C1:102:SF4:FE3	0.48	0.74
2:B3:181:LEU:HD13	14:B3:1815:CLA:HBB	1.69	0.74
14:B3:1820:CLA:HBB1	14:B3:1820:CLA:HMB1	1.70	0.74
3:C3:11:ILE:CD1	13:P3:39:SER:O	2.36	0.74
10:L4:91:ALA:HA	14:L6:206:CLA:OBD	1.87	0.74
12:X4:26:VAL:HG12	14:X4:102:CLA:HED2	1.69	0.74
4:D1:101:PHE:HB3	4:D1:103:GLU:OE2	1.88	0.74
2:B5:174:LEU:HD21	14:B5:1826:CLA:C1D	2.18	0.74
2:B1:92:ASP:OD2	14:B1:811:CLA:MG	1.31	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B3:21:TRP:CZ2	14:B3:1842:CLA:CMB	2.67	0.73
2:B4:487:ILE:HG12	14:B4:837:CLA:HMD3	1.70	0.73
14:B4:852:CLA:HBC3	1:A6:333:LYS:O	1.88	0.73
1:A6:40:ARG:HD3	13:P6:60:SER:O	1.88	0.73
2:B5:339:TRP:HZ2	14:B5:1826:CLA:HAB	1.52	0.73
2:B2:278:ALA:CB	14:B2:816:CLA:HBB1	2.18	0.73
3:C5:13:CYS:SG	3:C5:14:THR:O	2.45	0.73
3:C2:50:CYS:HG	18:C2:101:SF4:FE1	1.02	0.73
2:B3:48:SER:OG	14:B3:1807:CLA:CBB	2.35	0.73
6:F4:70:PHE:HE1	16:F4:201:BCR:C10	2.00	0.73
7:I5:30:LEU:O	7:I5:33:TYR:N	2.21	0.73
14:B1:830:CLA:HBB1	14:B1:830:CLA:HMB1	1.69	0.73
2:B6:25:ALA:HB2	19:B6:848:LMG:H121	1.69	0.73
14:B3:1831:CLA:HBB1	14:B3:1831:CLA:HMB1	1.68	0.73
10:L1:86:ILE:O	10:L1:90:THR:OG1	2.07	0.73
2:B4:300:ILE:HG21	14:B4:826:CLA:HAC1	1.71	0.73
3:C4:20:CYS:SG	18:C4:101:SF4:FE2	1.78	0.73
14:B6:829:CLA:HBB1	14:B6:829:CLA:HMB1	1.69	0.73
1:A5:281:PHE:HE1	14:A5:818:CLA:HAB	1.50	0.73
2:B5:229:TRP:HB2	14:B5:1818:CLA:H12	1.71	0.73
14:B5:1831:CLA:HMB1	14:B5:1831:CLA:HBB1	1.68	0.73
2:B2:386:MET:HE1	16:B2:846:BCR:H361	1.70	0.73
1:A3:578:CYS:HB3	1:A3:587:CYS:HA	1.70	0.73
1:A5:677:LEU:HD11	2:B5:623:MET:HB2	1.71	0.73
1:A1:36:ARG:CZ	13:P1:70:ILE:CB	2.67	0.73
2:B1:654:TRP:CH2	14:B1:801:CLA:H72	2.23	0.73
1:A3:380:TYR:OH	14:A3:829:CLA:OBD	2.07	0.73
1:A6:544:PHE:HZ	14:B6:802:CLA:CBB	2.02	0.73
5:E6:37:ILE:CD1	13:P6:41:ARG:CD	2.67	0.73
3:C5:50:CYS:SG	18:C5:101:SF4:FE1	1.81	0.73
1:A2:578:CYS:HB3	1:A2:587:CYS:HA	1.70	0.72
2:B6:321:PRO:HB2	2:B6:409:ASN:HA	1.71	0.72
6:F6:76:TRP:CZ3	14:F6:202:CLA:HBA2	2.24	0.72
1:A2:453:PHE:O	14:L2:202:CLA:HBB2	1.89	0.72
2:B2:622:LEU:HD12	14:B2:802:CLA:H11	1.71	0.72
6:F6:76:TRP:CE2	14:F6:202:CLA:HBD	2.24	0.72
18:A5:854:SF4:FE4	2:B5:565:CYS:SG	1.81	0.72
2:B1:229:TRP:CB	14:B1:817:CLA:H12	2.19	0.72
16:A2:1652:BCR:H321	16:A2:1652:BCR:HC8	1.71	0.72
16:A3:852:BCR:H321	16:A3:852:BCR:HC8	1.71	0.72
11:M4:9:TYR:HB3	16:M4:101:BCR:H401	1.71	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B2:150:PHE:HD2	14:B2:810:CLA:CBC	2.01	0.72
10:L4:56:TYR:OH	14:B5:1812:CLA:H162	1.90	0.72
10:L4:134:VAL:HG23	16:L4:208:BCR:C40	2.17	0.72
12:X4:26:VAL:CB	14:X4:102:CLA:HED1	2.19	0.72
1:A1:36:ARG:NH1	13:P1:70:ILE:CB	2.52	0.72
2:B2:150:PHE:CD2	14:B2:810:CLA:CBC	2.73	0.72
14:B1:826:CLA:HAA2	14:B1:827:CLA:OBD	1.90	0.72
10:L1:91:ALA:HA	14:L2:205:CLA:OBD	1.89	0.72
1:A3:333:LYS:O	14:A3:845:CLA:HBC3	1.89	0.72
2:B3:481:LEU:HD11	14:B3:1836:CLA:OBD	1.89	0.72
2:B2:52:HIS:CE1	14:B2:804:CLA:CMA	2.73	0.72
1:A4:40:ARG:HG2	13:P4:60:SER:O	1.86	0.72
14:B4:812:CLA:H91	14:L6:208:CLA:C9	2.19	0.72
2:B1:208:TRP:N	14:B1:815:CLA:HMD1	2.04	0.71
16:A4:849:BCR:H321	16:A4:849:BCR:HC8	1.71	0.71
1:A6:336:PHE:HB2	17:A6:1650:LHG:HC41	1.72	0.71
16:A6:1648:BCR:H321	16:A6:1648:BCR:HC8	1.72	0.71
3:C5:57:CYS:SG	18:C5:102:SF4:FE1	1.79	0.71
2:B2:60:VAL:HG21	14:B2:827:CLA:H11	1.71	0.71
14:B3:1827:CLA:HAA2	14:B3:1828:CLA:OBD	1.90	0.71
1:A4:202:ALA:HB2	1:A4:312:GLY:HA3	1.72	0.71
14:A2:1604:CLA:C2	2:B2:434:PHE:CE2	2.74	0.71
2:B6:459:GLU:HG3	6:F6:5:LEU:HD11	1.71	0.71
1:A5:651:ARG:HB2	2:B5:638:ILE:HG23	1.70	0.71
16:A5:850:BCR:H321	16:A5:850:BCR:HC8	1.72	0.71
1:A1:202:ALA:HB2	1:A1:312:GLY:HA3	1.71	0.71
2:B1:275:HIS:HE2	14:B1:819:CLA:C2B	2.02	0.71
1:A2:40:ARG:HD3	13:P2:61:ASP:CA	2.20	0.71
14:B2:824:CLA:HAA2	14:B2:825:CLA:OBD	1.90	0.71
8:J2:12:PRO:HB2	16:J2:103:BCR:H391	1.72	0.71
14:B4:831:CLA:HBB1	14:B4:831:CLA:HMB1	1.70	0.71
1:A5:336:PHE:HB2	17:A5:852:LHG:HC41	1.71	0.71
1:A2:203:GLY:HA2	14:A2:1622:CLA:HBC1	1.72	0.71
5:E2:57:THR:HG21	13:P2:41:ARG:O	1.90	0.71
1:A3:40:ARG:CG	13:P3:60:SER:O	2.37	0.71
2:B3:65:PHE:CE2	14:B3:1809:CLA:C4C	2.72	0.71
2:B4:321:PRO:HB2	2:B4:409:ASN:HA	1.72	0.71
10:L4:62:TRP:CZ2	14:L4:201:CLA:C1	2.74	0.71
5:E3:37:ILE:HD13	13:P3:41:ARG:HD2	1.73	0.71
14:B2:828:CLA:HMB1	14:B2:828:CLA:HBB1	1.71	0.71
2:B4:481:LEU:HA	2:B4:489:SER:OG	1.91	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A6:578:CYS:SG	18:B6:801:SF4:FE3	1.83	0.71
1:A2:202:ALA:HB2	1:A2:312:GLY:HA3	1.73	0.71
8:J4:28:GLU:OE2	14:J4:101:CLA:NA	2.24	0.71
6:F6:76:TRP:NE1	14:F6:202:CLA:CBF	2.52	0.71
1:A5:202:ALA:HB2	1:A5:312:GLY:HA3	1.71	0.71
2:B1:430:LEU:HD11	16:B1:848:BCR:C40	2.20	0.71
14:B1:811:CLA:H203	7:I1:26:VAL:HG23	1.73	0.71
1:A5:90:MET:HE2	14:A5:828:CLA:HED1	1.72	0.71
14:B5:1827:CLA:HAA2	14:B5:1828:CLA:OBD	1.91	0.71
14:B1:854:CLA:H91	14:L2:207:CLA:C9	2.18	0.70
1:A2:40:ARG:HD3	13:P2:61:ASP:HA	1.72	0.70
2:B2:339:TRP:CZ2	14:B2:823:CLA:HAB	2.24	0.70
3:C3:57:CYS:SG	18:C3:102:SF4:FE1	1.83	0.70
14:B4:827:CLA:HAA2	14:B4:828:CLA:OBD	1.91	0.70
14:B6:825:CLA:HAA2	14:B6:826:CLA:OBD	1.90	0.70
1:A1:352:TRP:HB3	14:A1:804:CLA:HAC1	1.74	0.70
16:A1:847:BCR:H321	16:A1:847:BCR:HC8	1.73	0.70
1:A2:341:HIS:HE1	17:A2:1654:LHG:HC11	1.56	0.70
2:B2:188:ALA:HA	14:B2:814:CLA:CBB	2.21	0.70
14:B2:808:CLA:H192	7:I2:26:VAL:HG21	1.73	0.70
3:C2:20:CYS:HG	18:C2:101:SF4:FE2	0.40	0.70
2:B4:425:LEU:HG	14:B4:841:CLA:HBB1	1.72	0.70
2:B4:521:GLY:HA3	2:B4:619:SER:OG	1.91	0.70
1:A6:270:PHE:CE1	14:A6:1641:CLA:HMD2	2.27	0.70
2:B6:381:ILE:HD12	14:B6:828:CLA:HBB1	1.71	0.70
2:B5:256:PHE:CE1	14:B5:1819:CLA:HAB	2.27	0.70
2:B6:574:CYS:SG	18:B6:801:SF4:FE1	1.82	0.70
10:L6:124:PHE:CZ	16:L6:209:BCR:H292	2.27	0.70
3:C5:10:CYS:SG	18:C5:102:SF4:FE4	1.78	0.70
1:A3:202:ALA:HB2	1:A3:312:GLY:HA3	1.72	0.70
3:C4:50:CYS:SG	18:C4:101:SF4:FE1	1.83	0.70
8:J1:24:GLY:HA3	14:J1:101:CLA:CBB	2.20	0.70
2:B2:438:GLY:CA	14:B2:832:CLA:HBB1	2.20	0.70
10:L2:94:ALA:O	10:L2:98:LEU:HG	1.92	0.70
2:B4:281:VAL:HG13	16:B4:845:BCR:C35	2.21	0.70
1:A2:90:MET:HE1	14:A2:1610:CLA:HAA2	1.72	0.70
1:A3:433:VAL:HA	1:A3:436:HIS:CE1	2.26	0.70
1:A6:86:TRP:HE1	14:A6:1608:CLA:HBA1	1.56	0.70
14:L4:205:CLA:H13	7:I5:20:TRP:HE3	1.56	0.70
5:E6:37:ILE:HD13	13:P6:41:ARG:CD	2.17	0.70
2:B2:52:HIS:CE1	14:B2:804:CLA:HMA1	2.27	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B3:430:LEU:CD1	14:B3:1802:CLA:HED3	2.20	0.70
5:E4:39:ARG:NH2	13:P4:24:TYR:OH	2.23	0.70
3:C2:11:ILE:HD11	13:P2:40:CYS:HA	1.73	0.70
2:B3:412:ASP:O	2:B3:416:GLN:HG2	1.92	0.70
2:B6:267:LEU:HD22	14:B6:817:CLA:HBA1	1.72	0.70
1:A1:468:PHE:HZ	14:B1:811:CLA:CHC	2.05	0.69
1:A1:697:TRP:CH2	15:A1:841:PQN:H2M3	2.26	0.69
1:A6:202:ALA:HB2	1:A6:312:GLY:HA3	1.72	0.69
2:B6:243:PHE:H	2:B6:263:GLN:HE22	1.39	0.69
1:A5:40:ARG:HG2	13:P5:60:SER:HG	1.51	0.69
14:A1:801:CLA:HAB	14:B1:804:CLA:C1A	2.21	0.69
2:B1:173:ARG:HB3	14:B1:825:CLA:CMD	2.22	0.69
2:B1:232:TYR:HB2	14:B1:817:CLA:HMA1	1.73	0.69
2:B1:278:ALA:CB	14:B1:818:CLA:HBB1	2.22	0.69
2:B1:349:SER:HB3	14:B1:826:CLA:CAD	2.22	0.69
2:B2:339:TRP:HE1	14:B2:823:CLA:C3B	2.05	0.69
5:E2:3:ARG:CZ	13:P2:31:GLU:HB2	2.21	0.69
6:F4:65:ILE:HD13	14:J4:102:CLA:HMB3	1.72	0.69
1:A3:399:TRP:CD1	14:A3:828:CLA:HAB	2.27	0.69
2:B3:698:ARG:H	10:L3:96:TYR:HH	1.40	0.69
4:D3:60:ARG:NH2	4:D3:62:GLU:OE2	2.24	0.69
2:B4:434:PHE:CE2	14:B4:802:CLA:H2	2.27	0.69
1:A1:468:PHE:CZ	14:B1:811:CLA:C1C	2.76	0.69
1:A2:40:ARG:CZ	13:P2:62:GLN:O	2.40	0.69
12:X2:23:ASN:OD1	14:X2:1701:CLA:C4A	2.40	0.69
2:B2:334:HIS:CE1	2:B2:395:ILE:HG21	2.28	0.69
1:A4:431:ASP:O	1:A4:435:ARG:HG3	1.92	0.69
1:A1:71:LYS:NZ	14:A1:810:CLA:HED2	2.07	0.69
2:B1:588:TRP:HH2	14:B1:805:CLA:CBB	2.05	0.69
14:A2:1602:CLA:HAB	14:B2:801:CLA:C1A	2.23	0.69
1:A3:94:GLY:O	1:A3:98:SER:OG	2.09	0.69
2:B6:60:VAL:HG22	14:B6:828:CLA:H11	1.74	0.69
2:B5:466:ILE:HD11	14:B5:1839:CLA:O2A	1.91	0.69
2:B1:539:ILE:HG12	14:B1:802:CLA:HMD1	1.74	0.69
1:A2:90:MET:HE3	14:A2:1610:CLA:HED2	1.75	0.69
2:B3:229:TRP:HB2	14:B3:1818:CLA:H12	1.74	0.69
10:L4:49:GLU:OE2	14:L4:203:CLA:MG	1.35	0.69
1:A6:40:ARG:CD	13:P6:60:SER:O	2.39	0.69
1:A1:333:LYS:O	14:B3:1801:CLA:HBC3	1.93	0.69
14:A2:1601:CLA:HMD2	10:L2:21:ILE:HD11	1.74	0.69
1:A3:438:ASP:OD1	1:A3:438:ASP:N	2.25	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A4:836:CLA:H101	14:L4:204:CLA:H191	1.74	0.69
2:B4:166:TRP:CZ2	14:B4:813:CLA:HMA1	2.28	0.69
3:C4:13:CYS:HG	18:C4:102:SF4:FE3	0.46	0.69
3:C4:50:CYS:HG	18:C4:101:SF4:FE1	1.08	0.69
2:B1:275:HIS:HB2	14:B1:818:CLA:C1B	2.22	0.69
10:L1:134:VAL:HB	16:L1:209:BCR:H403	1.75	0.69
2:B2:318:PHE:CD1	14:B2:821:CLA:HAB	2.27	0.69
2:B2:727:TYR:HB2	14:B2:801:CLA:HED3	1.75	0.69
1:A4:92:PHE:CZ	14:A4:806:CLA:HMD3	2.27	0.69
1:A6:587:CYS:SG	18:B6:801:SF4:S4	2.89	0.69
6:F6:76:TRP:CZ2	14:F6:202:CLA:O1A	2.45	0.69
1:A5:49:TRP:CZ2	14:A5:840:CLA:HMB1	2.26	0.69
1:A2:36:ARG:NH1	13:P2:71:GLU:HG3	2.08	0.69
1:A4:336:PHE:HB2	17:A4:851:LHG:HC41	1.73	0.69
5:E4:37:ILE:CD1	13:P4:41:ARG:CD	2.70	0.69
1:A3:177:TRP:HB2	14:A3:811:CLA:HMC3	1.75	0.68
14:B4:812:CLA:H203	14:L6:208:CLA:HMD1	1.75	0.68
1:A4:86:TRP:HA	14:A4:806:CLA:HBB2	1.76	0.68
2:B5:278:ALA:CB	14:B5:1819:CLA:HBB1	2.23	0.68
2:B2:60:VAL:HG22	14:B2:827:CLA:H11	1.75	0.68
2:B6:361:TYR:HE2	14:B6:818:CLA:O2D	1.75	0.68
1:A1:177:TRP:HB2	14:A1:810:CLA:HMC3	1.76	0.68
14:A2:1644:CLA:HMA1	2:B2:694:ALA:CB	2.23	0.68
14:A6:1602:CLA:HAB	14:B6:804:CLA:C1A	2.23	0.68
3:C6:20:CYS:SG	18:C6:101:SF4:FE2	1.84	0.68
2:B1:60:VAL:HG22	14:B1:829:CLA:H11	1.74	0.68
2:B1:588:TRP:CH2	14:B1:805:CLA:CBB	2.77	0.68
2:B2:187:LEU:HD11	16:B2:842:BCR:H342	1.75	0.68
10:L5:46:ARG:O	10:L5:50:VAL:HG23	1.94	0.68
2:B1:28:HIS:HB2	14:B1:830:CLA:CGA	2.23	0.68
2:B1:52:HIS:NE2	14:B1:807:CLA:HMA1	2.08	0.68
11:M3:21:LEU:HD21	14:M3:1601:CLA:CMA	2.24	0.68
1:A4:180:TYR:OH	14:A4:810:CLA:O1D	2.09	0.68
2:B4:360:PRO:HG3	14:B4:820:CLA:HBA1	1.76	0.68
2:B6:654:TRP:NE1	14:B6:802:CLA:H41	2.08	0.68
2:B5:122:TRP:CZ2	14:B5:1815:CLA:H191	2.29	0.68
2:B5:622:LEU:HD13	14:B5:1804:CLA:HMA2	1.75	0.68
10:L3:139:LEU:HD23	14:L3:205:CLA:H11	1.75	0.68
1:A5:79:HIS:CD2	14:A5:805:CLA:HMA1	2.29	0.68
2:B1:116:TYR:HA	2:B1:370:THR:HG22	1.76	0.68
1:A2:180:TYR:CE2	14:A2:1613:CLA:C3D	2.77	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B2:25:ALA:HB2	19:B2:848:LMG:H121	1.74	0.68
1:A3:231:VAL:O	1:A3:232:ALA:HB3	1.94	0.68
14:A3:838:CLA:H101	14:L3:204:CLA:H191	1.73	0.68
1:A4:651:ARG:NE	1:A4:652:ASP:OD2	2.27	0.68
2:B4:664:ALA:C	14:B4:805:CLA:HBB1	2.15	0.68
6:F4:88:VAL:HG11	6:F4:97:LYS:HB2	1.75	0.68
14:A6:1637:CLA:H101	14:L6:207:CLA:H191	1.76	0.68
2:B6:113:ASP:OD2	2:B6:113:ASP:N	2.27	0.68
2:B6:630:LEU:HD11	14:B6:804:CLA:H93	1.75	0.68
3:C6:16:CYS:SG	3:C6:17:VAL:N	2.67	0.68
1:A1:40:ARG:CG	13:P1:61:ASP:HA	2.23	0.68
2:B3:304:MET:HG3	2:B3:322:HIS:O	1.93	0.68
2:B3:430:LEU:HD13	14:B3:1802:CLA:CED	2.24	0.68
8:J4:27:ILE:HD13	16:J4:104:BCR:C11	2.24	0.68
1:A5:36:ARG:NH1	13:P5:70:ILE:CB	2.56	0.68
2:B5:433:GLY:HA3	14:B5:1802:CLA:O1A	1.94	0.68
3:C5:20:CYS:SG	3:C5:22:THR:OG1	2.52	0.68
2:B1:28:HIS:HB2	14:B1:830:CLA:HBA1	1.76	0.67
2:B2:521:GLY:HA3	2:B2:619:SER:OG	1.94	0.67
1:A3:313:HIS:CE1	16:A3:847:BCR:H363	2.30	0.67
2:B3:321:PRO:HB2	2:B3:409:ASN:HA	1.76	0.67
2:B3:591:ASN:HB2	14:B3:1804:CLA:HBC2	1.74	0.67
5:E3:57:THR:HG21	13:P3:41:ARG:O	1.93	0.67
12:X4:26:VAL:HB	14:X4:102:CLA:CED	2.23	0.67
1:A6:231:VAL:O	1:A6:232:ALA:HB3	1.94	0.67
2:B6:694:ALA:CB	14:L6:203:CLA:HMA1	2.24	0.67
1:A1:86:TRP:HA	14:A1:806:CLA:HBB2	1.76	0.67
2:B1:271:ASP:C	14:B1:818:CLA:HMA1	2.14	0.67
2:B3:724:ILE:HD13	19:B3:1850:LMG:C43	2.24	0.67
14:A4:853:CLA:HAA2	14:B5:1801:CLA:HBA1	1.76	0.67
9:K4:73:VAL:HA	14:K4:1401:CLA:CBB	2.25	0.67
1:A1:726:GLN:HG3	17:A1:848:LHG:O9	1.94	0.67
2:B1:442:HIS:HB2	14:B1:834:CLA:C1C	2.24	0.67
2:B3:300:ILE:HD13	14:B3:1826:CLA:CAC	2.25	0.67
14:B4:839:CLA:H51	12:X4:26:VAL:HG11	1.75	0.67
1:A6:445:ASN:ND2	14:B6:805:CLA:HED2	2.09	0.67
1:A1:231:VAL:O	1:A1:232:ALA:HB3	1.95	0.67
2:B1:275:HIS:HB2	14:B1:818:CLA:CHB	2.24	0.67
2:B1:525:VAL:CG1	14:B1:804:CLA:H141	2.20	0.67
18:A2:1655:SF4:FE1	2:B2:574:CYS:SG	1.82	0.67
2:B2:64:LEU:HD11	16:B2:844:BCR:H271	1.75	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A4:333:LYS:O	14:B5:1801:CLA:HBC3	1.95	0.67
2:B1:53:LEU:HD12	14:B1:807:CLA:O1A	1.94	0.67
2:B1:711:ALA:HB2	15:B1:842:PQN:C8	2.24	0.67
2:B4:192:HIS:HE1	14:B4:816:CLA:C1A	2.08	0.67
14:L4:203:CLA:CBA	16:L4:208:BCR:H363	2.24	0.67
5:E6:39:ARG:NH1	13:P6:24:TYR:OH	2.27	0.67
10:L5:53:ALA:HB2	14:L5:205:CLA:HED3	1.77	0.67
2:B1:230:GLY:N	14:B1:817:CLA:HBA2	2.06	0.67
14:A3:801:CLA:HAB	14:B3:1803:CLA:C1A	2.24	0.67
2:B3:220:GLY:HA3	14:B3:1817:CLA:HMD1	1.77	0.67
2:B4:192:HIS:CE1	14:B4:816:CLA:C4A	2.78	0.67
14:A5:801:CLA:HAB	14:B5:1803:CLA:C1A	2.24	0.67
17:B2:849:LHG:HC2	12:X2:12:ARG:NH2	2.09	0.67
1:A3:86:TRP:HA	14:A3:807:CLA:HBB2	1.77	0.67
1:A3:345:TYR:O	1:A3:349:THR:HB	1.94	0.67
1:A5:578:CYS:HB3	1:A5:587:CYS:HA	1.75	0.67
2:B1:711:ALA:CB	15:B1:842:PQN:C8	2.73	0.67
1:A3:587:CYS:SG	18:A3:855:SF4:S1	2.93	0.67
2:B3:281:VAL:HG22	16:B3:1845:BCR:C35	2.25	0.67
1:A5:333:LYS:O	14:A5:843:CLA:HBC3	1.94	0.67
2:B5:188:ALA:HA	14:B5:1817:CLA:CBB	2.24	0.67
14:A1:827:CLA:H192	16:J1:103:BCR:H14C	1.77	0.67
16:I1:103:BCR:H292	10:L1:124:PHE:CZ	2.30	0.67
2:B3:668:MET:SD	14:B3:1805:CLA:MG	1.77	0.67
3:C4:77:GLY:HA2	4:D4:60:ARG:NH2	2.09	0.67
2:B6:431:PHE:CZ	16:B6:850:BCR:HC41	2.30	0.67
1:A5:36:ARG:NH1	13:P5:71:GLU:N	2.42	0.67
1:A5:231:VAL:O	1:A5:232:ALA:HB3	1.94	0.67
2:B4:41:LEU:O	2:B4:45:ILE:HG12	1.95	0.67
1:A5:177:TRP:HB2	14:A5:811:CLA:HMC3	1.77	0.67
1:A1:578:CYS:HB3	1:A1:587:CYS:HA	1.77	0.66
1:A1:694:ARG:N	2:B1:574:CYS:SG	2.68	0.66
2:B1:181:LEU:HD11	14:B1:814:CLA:H12	1.77	0.66
14:B1:853:CLA:HBC3	1:A2:333:LYS:O	1.93	0.66
14:A2:1602:CLA:HBB1	14:B2:802:CLA:CED	2.25	0.66
1:A3:456:PHE:HE2	14:B3:1805:CLA:H92	1.60	0.66
14:B3:1843:CLA:H171	7:I3:24:THR:HG23	1.77	0.66
5:E3:3:ARG:NH2	13:P3:31:GLU:OE1	2.28	0.66
6:F4:77:ILE:HG12	14:F4:202:CLA:ND	2.09	0.66
1:A5:40:ARG:HG3	13:P5:60:SER:HB2	0.67	0.66
14:B5:1821:CLA:HAA2	14:B5:1826:CLA:HBB1	1.76	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A3:303:ALA:HB2	14:A3:818:CLA:HBB1	1.76	0.66
2:B3:466:ILE:HD13	14:B3:1836:CLA:HBB1	1.76	0.66
10:L3:48:LEU:HD13	14:L3:203:CLA:HED2	1.77	0.66
1:A4:92:PHE:CE2	14:A4:806:CLA:CHD	2.78	0.66
1:A4:231:VAL:O	1:A4:232:ALA:HB3	1.93	0.66
14:A4:853:CLA:HAA2	14:B5:1801:CLA:CBA	2.25	0.66
2:B4:59:TRP:HA	14:B4:809:CLA:HBB2	1.77	0.66
2:B4:122:TRP:HH2	16:B4:847:BCR:H391	1.60	0.66
14:B6:809:CLA:H201	7:I6:23:PRO:CB	2.25	0.66
1:A2:675:LEU:HD11	14:A2:1630:CLA:H143	1.76	0.66
6:F2:65:ILE:HD12	14:F2:204:CLA:HMB3	1.75	0.66
1:A3:456:PHE:CE2	14:B3:1805:CLA:H92	2.31	0.66
10:L3:61:PRO:HB3	14:L3:205:CLA:CBB	2.23	0.66
14:A4:801:CLA:HBB1	14:B4:804:CLA:CED	2.24	0.66
2:B4:725:LEU:HD11	14:B4:831:CLA:H203	1.77	0.66
6:F6:76:TRP:CD1	14:F6:202:CLA:HBD	2.30	0.66
14:A5:801:CLA:HBB1	14:B5:1804:CLA:CED	2.24	0.66
14:B2:806:CLA:H43	7:I2:14:PHE:CE1	2.29	0.66
14:A3:802:CLA:H41	2:B3:654:TRP:NE1	2.10	0.66
2:B5:150:PHE:HZ	14:B5:1801:CLA:H2	1.60	0.66
1:A1:682:ILE:HD11	16:A1:847:BCR:C14	2.26	0.66
18:A1:850:SF4:S3	2:B1:565:CYS:SG	2.93	0.66
2:B3:599:TYR:CD2	14:B3:1839:CLA:HMC2	2.29	0.66
14:B3:1801:CLA:CBA	14:M3:1601:CLA:HAA2	2.26	0.66
1:A4:445:ASN:ND2	14:B4:805:CLA:HED2	2.10	0.66
2:B4:481:LEU:HD12	14:B4:836:CLA:HED3	1.76	0.66
1:A5:597:LEU:HD13	14:B5:1805:CLA:HMD3	1.78	0.66
3:C2:10:CYS:SG	18:C2:102:SF4:FE4	1.88	0.66
2:B6:554:PRO:HD2	3:C6:61:PHE:CE1	2.31	0.66
16:L5:201:BCR:H363	14:L5:204:CLA:HBA2	1.77	0.66
2:B2:724:ILE:HD13	14:B2:826:CLA:HMC2	1.77	0.66
2:B3:25:ALA:HB2	19:B3:1850:LMG:H121	1.75	0.66
10:L3:138:LEU:HD13	14:L3:205:CLA:C9	2.25	0.66
1:A4:592:TRP:CD1	14:A4:829:CLA:HMD1	2.29	0.66
14:A4:801:CLA:HAB	14:B4:803:CLA:C1A	2.25	0.66
2:B4:182:PHE:CE2	14:B4:815:CLA:H61	2.31	0.66
14:A5:828:CLA:H192	16:J5:103:BCR:H14C	1.78	0.66
2:B5:52:HIS:CE1	14:B5:1807:CLA:HMA1	2.29	0.66
2:B1:321:PRO:HB2	2:B1:409:ASN:HA	1.77	0.66
3:C1:10:CYS:SG	18:C1:102:SF4:S3	2.93	0.66
2:B2:339:TRP:HZ2	14:B2:823:CLA:CAB	2.09	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A3:180:TYR:CE2	14:A3:811:CLA:C3D	2.79	0.66
1:A3:681:PHE:CD2	16:A3:852:BCR:H363	2.31	0.66
2:B3:122:TRP:CZ2	14:B3:1815:CLA:H191	2.30	0.66
1:A5:40:ARG:CG	13:P5:60:SER:OG	2.15	0.66
14:A2:1639:CLA:H101	14:L2:206:CLA:H191	1.76	0.66
2:B4:221:LEU:HD11	16:B4:845:BCR:HC22	1.78	0.66
1:A1:79:HIS:CE1	14:A1:804:CLA:HMA2	2.31	0.66
7:I4:20:TRP:HE1	16:I4:102:BCR:HC22	1.57	0.66
2:B5:664:ALA:HB3	14:B5:1805:CLA:HBB2	1.78	0.66
2:B1:525:VAL:HG12	14:B1:804:CLA:C14	2.25	0.65
1:A2:423:ALA:HA	4:D2:38:VAL:HG11	1.77	0.65
1:A2:651:ARG:NE	1:A2:652:ASP:OD2	2.29	0.65
14:A6:1602:CLA:HBB1	14:A6:1651:CLA:CED	2.25	0.65
14:B6:837:CLA:HMB2	14:B6:839:CLA:HED1	1.78	0.65
1:A5:431:ASP:O	1:A5:435:ARG:HG3	1.95	0.65
2:B1:298:HIS:HE1	14:B1:823:CLA:OBD	1.74	0.65
2:B1:727:TYR:HB2	14:B1:804:CLA:CED	2.27	0.65
3:C1:20:CYS:HG	18:C1:101:SF4:FE2	0.42	0.65
2:B3:498:VAL:HG11	14:B3:1818:CLA:HED2	1.77	0.65
2:B4:318:PHE:HB2	14:B4:825:CLA:HMA1	1.77	0.65
8:J4:27:ILE:CG2	16:J4:104:BCR:H343	2.26	0.65
1:A6:697:TRP:CZ2	15:A6:1642:PQN:H2M3	2.30	0.65
1:A5:597:LEU:HD13	14:B5:1805:CLA:CMD	2.25	0.65
2:B5:493:PRO:HG3	14:B5:1838:CLA:C1D	2.26	0.65
2:B6:361:TYR:OH	14:B6:818:CLA:HBD	1.95	0.65
1:A1:592:TRP:CD1	14:A1:829:CLA:HMD1	2.32	0.65
2:B1:229:TRP:O	14:B1:817:CLA:H3A	1.96	0.65
6:F1:69:LEU:HB2	14:J1:102:CLA:CBB	2.27	0.65
1:A2:231:VAL:O	1:A2:232:ALA:HB3	1.95	0.65
2:B2:386:MET:CE	16:B2:846:BCR:H361	2.27	0.65
1:A3:249:MET:O	1:A3:252:LEU:O	2.15	0.65
14:A3:801:CLA:HBB1	14:B3:1804:CLA:CED	2.25	0.65
1:A6:439:ALA:HA	2:B6:686:TRP:CZ3	2.31	0.65
6:F6:53:VAL:HG12	6:F6:63:PHE:HB2	1.78	0.65
8:J6:12:PRO:HB2	16:J6:1105:BCR:H391	1.78	0.65
16:L6:201:BCR:H363	14:L6:206:CLA:HBA2	1.77	0.65
3:C5:17:VAL:HA	3:C5:25:LEU:HD12	1.78	0.65
1:A1:36:ARG:CZ	13:P1:70:ILE:HG21	2.26	0.65
14:A1:838:CLA:HMC3	14:B1:802:CLA:H71	1.79	0.65
1:A2:249:MET:O	1:A2:252:LEU:O	2.15	0.65
2:B3:360:PRO:HG3	14:B3:1820:CLA:CBA	2.26	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:C3:53:CYS:HG	18:C3:101:SF4:FE3	1.09	0.65
2:B5:116:TYR:HA	2:B5:370:THR:HG22	1.78	0.65
2:B1:466:ILE:HD11	14:B1:838:CLA:H43	1.77	0.65
14:B1:806:CLA:H111	16:B1:849:BCR:H362	1.79	0.65
2:B2:551:LYS:NZ	6:F2:137:THR:OG1	2.29	0.65
10:L2:134:VAL:HG23	16:L2:201:BCR:H403	1.78	0.65
1:A4:249:MET:O	1:A4:252:LEU:O	2.15	0.65
2:B4:181:LEU:HD11	14:B4:815:CLA:H12	1.79	0.65
14:B4:835:CLA:H122	6:F4:69:LEU:HD11	1.79	0.65
1:A6:681:PHE:CD2	16:A6:1648:BCR:H363	2.32	0.65
1:A6:688:MET:SD	14:A6:1603:CLA:MG	1.77	0.65
1:A1:36:ARG:CZ	13:P1:70:ILE:HB	2.27	0.65
2:B2:438:GLY:C	14:B2:832:CLA:HBB1	2.17	0.65
1:A3:79:HIS:CD2	14:A3:805:CLA:HMA1	2.32	0.65
8:J4:12:PRO:HB2	16:J4:104:BCR:H391	1.77	0.65
1:A6:249:MET:O	1:A6:252:LEU:O	2.15	0.65
1:A6:308:PHE:HE2	14:A6:1621:CLA:HAB	1.61	0.65
14:B1:820:CLA:HAA2	14:B1:825:CLA:HBB1	1.78	0.65
10:L1:98:LEU:HD21	10:L2:41:LEU:HD21	1.78	0.65
14:B2:836:CLA:HMB2	14:B2:838:CLA:HED1	1.79	0.65
8:J1:27:ILE:HG21	16:J1:104:BCR:C34	2.26	0.65
1:A2:399:TRP:CD1	14:A2:1630:CLA:HAB	2.31	0.65
2:B3:192:HIS:HB2	14:B3:1816:CLA:CHC	2.27	0.65
3:C3:53:CYS:SG	18:C3:101:SF4:FE3	1.89	0.65
2:B4:377:HIS:HB2	14:B4:829:CLA:C1B	2.26	0.65
1:A1:36:ARG:HH12	13:P1:70:ILE:HG12	1.61	0.65
2:B1:28:HIS:HB2	14:B1:830:CLA:CBA	2.26	0.65
2:B1:274:HIS:HB3	14:B1:818:CLA:CMB	2.26	0.65
14:B3:1821:CLA:HAA2	14:B3:1826:CLA:HBB1	1.77	0.65
12:X3:12:ARG:HB3	17:X3:101:LHG:C5	2.27	0.65
1:A6:177:TRP:HB2	14:A6:1611:CLA:HMC3	1.77	0.65
2:B6:430:LEU:HB3	14:B6:832:CLA:HED3	1.79	0.65
3:C6:57:CYS:SG	18:C6:102:SF4:FE1	1.89	0.65
2:B5:79:ASP:O	2:B5:83:THR:OG1	2.13	0.65
2:B5:321:PRO:HB2	2:B5:409:ASN:HA	1.79	0.65
14:A1:839:CLA:H192	10:L1:58:LEU:HD21	1.79	0.64
2:B2:425:LEU:CG	14:B2:838:CLA:CBB	2.69	0.64
14:A3:828:CLA:H192	16:J3:103:BCR:H14C	1.78	0.64
2:B3:282:LEU:HD12	14:B3:1821:CLA:HMC1	1.78	0.64
2:B3:698:ARG:N	10:L3:96:TYR:OH	2.22	0.64
1:A4:92:PHE:HZ	14:A4:806:CLA:HMD3	1.60	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A5:40:ARG:CA	13:P5:60:SER:HB2	2.26	0.64
1:A1:40:ARG:NH1	13:P1:61:ASP:O	2.30	0.64
1:A1:196:MET:HE2	14:A1:812:CLA:HBC2	1.78	0.64
2:B1:279:ILE:CD1	14:B1:818:CLA:CBC	2.75	0.64
10:L4:89:ALA:HB1	16:L4:206:BCR:H401	1.78	0.64
2:B6:438:GLY:CA	14:B6:833:CLA:HBB1	2.26	0.64
14:B5:1825:CLA:HBB1	14:B5:1832:CLA:HMD2	1.79	0.64
2:B1:212:LEU:HD21	16:B1:845:BCR:H341	1.78	0.64
2:B3:256:PHE:CD1	14:B3:1819:CLA:HAB	2.32	0.64
1:A4:443:HIS:CD2	14:A4:830:CLA:HMB1	2.32	0.64
2:B4:114:ILE:O	14:B4:810:CLA:HMD3	1.98	0.64
1:A5:319:TRP:CD1	14:A5:820:CLA:O1A	2.50	0.64
1:A1:210:LEU:HD21	16:A1:842:BCR:H342	1.78	0.64
2:B1:479:THR:HG21	12:X1:29:TYR:O	1.98	0.64
1:A2:94:GLY:O	1:A2:98:SER:OG	2.14	0.64
2:B2:321:PRO:HB2	2:B2:409:ASN:HA	1.79	0.64
16:A3:856:BCR:H362	14:B3:1805:CLA:H111	1.79	0.64
2:B3:114:ILE:O	14:B3:1810:CLA:HMD3	1.97	0.64
14:A4:827:CLA:H192	16:J4:103:BCR:H14C	1.77	0.64
2:B4:487:ILE:HG12	14:B4:837:CLA:CMD	2.27	0.64
2:B6:691:THR:O	2:B6:695:ASN:OD1	2.15	0.64
1:A5:249:MET:O	1:A5:252:LEU:O	2.14	0.64
1:A5:360:LEU:CD1	14:A5:830:CLA:HBB1	2.28	0.64
1:A1:249:MET:O	1:A1:252:LEU:O	2.14	0.64
14:A1:801:CLA:HBB1	14:B1:805:CLA:CED	2.26	0.64
2:B1:229:TRP:HB2	14:B1:817:CLA:CGA	2.27	0.64
2:B1:230:GLY:HA2	14:B1:817:CLA:CAA	2.25	0.64
2:B1:350:LEU:CA	14:B1:826:CLA:HED3	2.27	0.64
14:A3:828:CLA:H93	16:J3:103:BCR:H361	1.80	0.64
2:B4:466:ILE:HD11	14:B4:839:CLA:O2A	1.98	0.64
1:A2:36:ARG:CZ	13:P2:71:GLU:HG3	2.27	0.64
14:B2:806:CLA:CMD	7:I2:10:LEU:HD23	2.28	0.64
1:A3:210:LEU:HD21	16:A3:847:BCR:H342	1.79	0.64
2:B3:622:LEU:HD12	14:B3:1804:CLA:C1	2.25	0.64
2:B3:693:LEU:HD12	14:L3:204:CLA:H11	1.79	0.64
14:B3:1839:CLA:HMB2	14:B3:1841:CLA:HED1	1.80	0.64
18:A5:854:SF4:S3	2:B5:565:CYS:SG	2.93	0.64
2:B5:592:THR:O	2:B5:596:VAL:HG13	1.98	0.64
2:B2:537:THR:HG21	14:B2:824:CLA:CBB	2.28	0.64
2:B3:433:GLY:HA3	14:B3:1802:CLA:O1A	1.97	0.64
14:B4:852:CLA:HMA2	14:A6:1601:CLA:HBD	1.78	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
6:F2:88:VAL:HG11	6:F2:97:LYS:HB2	1.80	0.64
1:A3:445:ASN:ND2	14:B3:1805:CLA:HED2	2.13	0.64
1:A3:587:CYS:SG	18:A3:855:SF4:FE2	1.88	0.64
2:B3:173:ARG:HB2	14:B3:1815:CLA:HBC2	1.79	0.64
1:A6:86:TRP:HA	14:A6:1607:CLA:HBB2	1.80	0.64
1:A6:345:TYR:O	1:A6:349:THR:HB	1.98	0.64
14:A6:1628:CLA:H192	16:J6:1104:BCR:H14C	1.79	0.64
14:A6:1633:CLA:HMA2	10:L6:65:LEU:HB3	1.79	0.64
14:B6:819:CLA:HAA2	14:B6:824:CLA:HBB1	1.77	0.64
10:L6:79:LEU:HD22	10:L6:136:PHE:CG	2.32	0.64
8:J5:26:LEU:HD23	16:J5:103:BCR:HC7	1.78	0.64
2:B1:275:HIS:CE1	14:B1:818:CLA:C1D	2.80	0.64
14:A2:1630:CLA:H192	16:J2:102:BCR:H14C	1.79	0.64
2:B3:52:HIS:CE1	14:B3:1807:CLA:HMA1	2.32	0.64
2:B3:446:VAL:HG13	2:B3:451:THR:O	1.98	0.64
1:A4:180:TYR:CE2	14:A4:810:CLA:C3D	2.81	0.64
10:L6:89:ALA:HB2	14:L6:203:CLA:C14	2.28	0.64
14:A5:808:CLA:HMC2	14:A5:828:CLA:H142	1.79	0.64
16:A5:853:BCR:H362	14:B5:1805:CLA:H111	1.80	0.64
2:B1:350:LEU:N	14:B1:826:CLA:HED3	2.13	0.64
1:A2:281:PHE:HE1	14:A2:1620:CLA:HAB	1.63	0.64
3:C2:47:CYS:SG	18:C2:101:SF4:FE4	1.89	0.64
2:B3:339:TRP:HE1	14:B3:1826:CLA:C2B	2.11	0.64
2:B4:664:ALA:HB3	14:B4:805:CLA:HBB2	1.80	0.64
2:B1:339:TRP:CZ3	14:B1:824:CLA:HBC2	2.33	0.63
14:A3:808:CLA:HMC2	14:A3:828:CLA:H142	1.79	0.63
2:B4:52:HIS:CE1	14:B4:807:CLA:HMA1	2.33	0.63
7:I4:20:TRP:NE1	16:I4:102:BCR:C2	2.56	0.63
1:A5:303:ALA:CB	14:A5:818:CLA:HBB1	2.27	0.63
1:A5:313:HIS:NE2	16:A5:845:BCR:H363	2.13	0.63
2:B5:237:ASP:OD1	2:B5:237:ASP:N	2.31	0.63
14:A1:807:CLA:HMC2	14:A1:827:CLA:H142	1.78	0.63
1:A2:50:ASN:OD1	17:A2:1653:LHG:HC11	1.98	0.63
2:B2:267:LEU:HD22	14:B2:816:CLA:HBA1	1.79	0.63
1:A3:612:HIS:CE1	14:A3:837:CLA:C2C	2.81	0.63
14:A4:807:CLA:HMC2	14:A4:827:CLA:H142	1.80	0.63
1:A6:544:PHE:CZ	14:B6:802:CLA:CBB	2.81	0.63
2:B6:599:TYR:CZ	14:B6:837:CLA:HBC2	2.33	0.63
2:B5:52:HIS:CE1	14:B5:1807:CLA:CMA	2.81	0.63
2:B1:177:HIS:HB3	14:B1:825:CLA:HED3	1.79	0.63
2:B3:487:ILE:O	14:B3:1837:CLA:HMD3	1.98	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:C3:11:ILE:CD1	13:P3:40:CYS:HA	2.28	0.63
8:J3:24:GLY:HA3	14:J3:101:CLA:HBB1	1.79	0.63
1:A4:399:TRP:CD1	14:A4:827:CLA:HAB	2.33	0.63
14:A4:840:CLA:HMC3	14:B4:802:CLA:H71	1.81	0.63
2:B4:188:ALA:HB2	14:B4:830:CLA:H202	1.79	0.63
1:A6:180:TYR:CE2	14:A6:1611:CLA:C3D	2.82	0.63
14:B1:838:CLA:HMB2	14:B1:840:CLA:HED1	1.78	0.63
2:B2:430:LEU:HB3	14:B2:831:CLA:CED	2.28	0.63
2:B3:176:HIS:ND1	14:B3:1815:CLA:HMC2	2.14	0.63
1:A6:360:LEU:CD1	14:A6:1630:CLA:HBB1	2.28	0.63
1:A6:681:PHE:CG	16:A6:1648:BCR:H363	2.34	0.63
14:A5:802:CLA:H41	2:B5:654:TRP:CD1	2.33	0.63
14:A5:841:CLA:HMC3	14:B5:1802:CLA:H71	1.80	0.63
15:A5:844:PQN:H172	16:B5:1850:BCR:H382	1.81	0.63
2:B1:232:TYR:HB2	14:B1:817:CLA:CMA	2.28	0.63
2:B1:527:HIS:CD2	16:B1:852:BCR:HC21	2.34	0.63
1:A2:281:PHE:CE1	14:A2:1620:CLA:HAB	2.34	0.63
14:A2:1604:CLA:O1A	2:B2:531:LEU:HD11	1.99	0.63
1:A6:352:TRP:HE1	14:A6:1625:CLA:H191	1.63	0.63
10:L6:142:PHE:CE1	14:L6:208:CLA:C1	2.78	0.63
2:B1:275:HIS:HE1	14:B1:818:CLA:CHD	2.12	0.63
2:B3:214:THR:O	14:B3:1817:CLA:HED1	1.99	0.63
1:A4:578:CYS:HB3	1:A4:587:CYS:HA	1.79	0.63
14:B4:805:CLA:H111	16:B4:850:BCR:H362	1.79	0.63
14:B4:839:CLA:HMB2	14:B4:841:CLA:HED1	1.80	0.63
14:A6:1628:CLA:H93	16:J6:1104:BCR:H361	1.80	0.63
14:A1:835:CLA:H101	14:L1:206:CLA:H191	1.80	0.63
1:A3:390:GLN:HE21	1:A3:390:GLN:HA	1.63	0.63
2:B3:42:TYR:OH	2:B3:333:LEU:HD21	1.98	0.63
10:L3:89:ALA:HB1	16:L3:206:BCR:H401	1.80	0.63
10:L4:61:PRO:HB3	14:L4:205:CLA:HBB1	1.81	0.63
1:A5:84:PHE:CZ	14:A5:805:CLA:H91	2.33	0.63
1:A5:352:TRP:HB3	14:A5:805:CLA:HAC1	1.80	0.63
1:A5:366:LEU:HD11	14:A5:819:CLA:H71	1.81	0.63
14:A5:819:CLA:HBB1	14:A5:819:CLA:HMB1	1.81	0.63
2:B5:724:ILE:HD13	14:B5:1829:CLA:HMC2	1.81	0.63
1:A2:86:TRP:HA	14:A2:1609:CLA:HBB2	1.81	0.63
4:D2:60:ARG:NH2	4:D2:62:GLU:OE2	2.32	0.63
1:A3:90:MET:HE3	14:A3:808:CLA:HED2	1.79	0.63
2:B3:430:LEU:HD11	16:F3:201:BCR:C40	2.29	0.63
1:A5:83:VAL:HG11	14:A5:805:CLA:H72	1.80	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B1:480:LEU:C	2:B1:482:SER:H	2.03	0.62
14:A2:1610:CLA:HMC2	14:A2:1630:CLA:H142	1.80	0.62
5:E3:57:THR:HG21	13:P3:42:ALA:HA	1.81	0.62
1:A4:303:ALA:HB2	14:A4:817:CLA:HBB1	1.81	0.62
1:A4:686:SER:HB3	1:A4:734:HIS:HB2	1.81	0.62
1:A6:600:PHE:CD1	14:B6:805:CLA:HBC1	2.34	0.62
2:B6:480:LEU:C	2:B6:482:SER:H	2.02	0.62
8:J5:27:ILE:HG22	16:J5:104:BCR:H343	1.81	0.62
1:A1:19:ASP:HA	1:A1:181:HIS:O	1.99	0.62
6:F1:88:VAL:HG11	6:F1:97:LYS:HB2	1.81	0.62
9:K2:73:VAL:CA	14:K2:1401:CLA:HBB1	2.08	0.62
10:L2:124:PHE:CE1	16:L2:208:BCR:H292	2.35	0.62
2:B3:195:HIS:CE1	14:B3:1816:CLA:HBC1	2.34	0.62
5:E3:57:THR:CG2	13:P3:42:ALA:HA	2.29	0.62
1:A4:463:ASP:OD2	2:B4:641:TYR:OH	2.17	0.62
2:B4:531:LEU:HD11	14:B4:802:CLA:O1A	1.99	0.62
8:J6:24:GLY:HA3	14:J6:1102:CLA:HBB1	1.80	0.62
1:A5:86:TRP:HA	14:A5:807:CLA:HBB2	1.80	0.62
1:A5:688:MET:O	1:A5:692:SER:OG	2.16	0.62
2:B5:153:TRP:CH2	14:B5:1801:CLA:C6	2.82	0.62
2:B5:381:ILE:HD12	14:B5:1830:CLA:HBB1	1.81	0.62
3:C5:40:SER:CB	3:C5:41:SER:HA	2.28	0.62
6:F5:76:TRP:NE1	14:F5:1301:CLA:HBD	2.13	0.62
8:J5:27:ILE:HG21	16:J5:104:BCR:C9	2.29	0.62
8:J5:31:ARG:HD3	16:J5:104:BCR:C31	2.23	0.62
1:A1:79:HIS:ND1	14:A1:804:CLA:O1A	2.30	0.62
14:A1:801:CLA:HAB	14:B1:804:CLA:NA	2.14	0.62
2:B1:479:THR:O	2:B1:482:SER:HB3	1.99	0.62
8:J3:12:PRO:HB2	16:J3:104:BCR:H391	1.81	0.62
11:M3:13:VAL:HG23	16:M3:1602:BCR:H402	1.81	0.62
10:L6:54:HIS:HA	10:L6:57:PHE:CE2	2.35	0.62
14:B1:854:CLA:H162	10:L2:56:TYR:OH	1.98	0.62
1:A2:303:ALA:HB2	14:A2:1620:CLA:HBB1	1.81	0.62
1:A2:686:SER:HB3	1:A2:734:HIS:HB2	1.80	0.62
14:B2:808:CLA:H203	7:I2:26:VAL:HG23	1.81	0.62
6:F2:65:ILE:CD1	14:F2:204:CLA:HMB3	2.29	0.62
7:I4:20:TRP:CE2	16:I4:102:BCR:C3	2.82	0.62
2:B1:587:PHE:CG	14:B1:802:CLA:HAC2	2.35	0.62
2:B2:503:TRP:HE3	14:B2:816:CLA:H11	1.64	0.62
14:A3:819:CLA:HMB1	14:A3:819:CLA:HBB1	1.82	0.62
1:A4:40:ARG:HD3	13:P4:60:SER:O	1.98	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B6:60:VAL:CG2	14:B6:828:CLA:H11	2.29	0.62
2:B6:122:TRP:CH2	14:B6:813:CLA:H201	2.35	0.62
1:A5:303:ALA:HB2	14:A5:818:CLA:HBB1	1.80	0.62
2:B5:599:TYR:CD2	14:B5:1839:CLA:HMC2	2.34	0.62
2:B5:731:LEU:CD2	14:B5:1829:CLA:CMB	2.77	0.62
15:A1:841:PQN:H172	16:B1:848:BCR:H382	1.82	0.62
5:E2:3:ARG:NH1	13:P2:31:GLU:HB2	2.14	0.62
1:A3:352:TRP:HE1	14:A3:825:CLA:H191	1.64	0.62
2:B3:318:PHE:HB2	14:B3:1825:CLA:HMA1	1.81	0.62
1:A4:683:TRP:CE2	14:A4:801:CLA:HBA2	2.34	0.62
2:B4:2:THR:OG1	2:B4:4:PHE:O	2.18	0.62
2:B4:480:LEU:C	2:B4:482:SER:H	2.02	0.62
2:B4:727:TYR:HB2	14:B4:803:CLA:HED3	1.80	0.62
10:L4:62:TRP:CE2	14:L4:201:CLA:C1	2.83	0.62
12:X4:23:ASN:HD21	14:X4:102:CLA:C1A	2.13	0.62
16:A6:1652:BCR:H362	14:B6:805:CLA:H111	1.80	0.62
2:B5:588:TRP:O	2:B5:592:THR:OG1	2.17	0.62
2:B2:275:HIS:HB2	14:B2:816:CLA:C1B	2.30	0.62
2:B2:480:LEU:C	2:B2:482:SER:H	2.03	0.62
2:B3:300:ILE:HD13	14:B3:1826:CLA:HAC2	1.82	0.62
1:A4:300:HIS:O	1:A4:304:ILE:HG12	2.00	0.62
2:B6:52:HIS:CE1	14:B6:806:CLA:CMA	2.83	0.62
2:B6:595:TRP:CD1	14:B6:804:CLA:H152	2.35	0.62
1:A1:681:PHE:CG	16:A1:847:BCR:H363	2.35	0.62
15:A3:846:PQN:H172	16:F3:201:BCR:H382	1.82	0.62
18:A3:855:SF4:S3	2:B3:565:CYS:SG	2.98	0.62
3:C4:11:ILE:CD1	13:P4:40:CYS:HA	2.30	0.62
2:B5:480:LEU:C	2:B5:482:SER:H	2.03	0.62
12:X3:9:TYR:O	12:X3:10:ALA:HB2	1.99	0.62
1:A4:19:ASP:HA	1:A4:181:HIS:O	2.00	0.62
15:A4:843:PQN:H172	16:F4:201:BCR:H382	1.81	0.62
14:B4:821:CLA:HAA2	14:B4:826:CLA:HBB1	1.81	0.62
2:B6:275:HIS:HB2	14:B6:817:CLA:C1B	2.30	0.62
14:A1:827:CLA:H93	16:J1:103:BCR:H361	1.82	0.61
2:B1:181:LEU:CD1	14:B1:814:CLA:H43	2.30	0.61
16:L3:201:BCR:H363	14:L3:203:CLA:HBA2	1.82	0.61
14:B4:842:CLA:HED3	7:I4:31:PHE:HZ	1.65	0.61
1:A1:544:PHE:HZ	14:B1:801:CLA:CBB	2.13	0.61
1:A2:305:ALA:O	1:A2:309:ILE:HG12	2.00	0.61
1:A2:336:PHE:HB2	17:A2:1654:LHG:HC41	1.80	0.61
14:A2:1604:CLA:H71	14:A2:1643:CLA:HMC3	1.82	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B2:803:CLA:H111	16:B2:847:BCR:H362	1.82	0.61
2:B3:529:ILE:HG21	14:B3:1839:CLA:CAB	2.31	0.61
14:B3:1808:CLA:H151	14:B3:1808:CLA:H102	1.82	0.61
1:A4:567:PRO:HD2	4:D4:62:GLU:OE1	2.01	0.61
6:F4:70:PHE:CE1	16:F4:201:BCR:C9	2.83	0.61
14:A6:1603:CLA:O1A	2:B6:531:LEU:HD11	2.00	0.61
2:B6:592:THR:O	2:B6:596:VAL:HG13	2.00	0.61
14:A1:818:CLA:HBB1	14:A1:818:CLA:HMB1	1.82	0.61
14:B1:824:CLA:HBB1	14:B1:831:CLA:HMD2	1.82	0.61
15:A2:1646:PQN:H172	16:F2:201:BCR:H382	1.81	0.61
14:A3:842:CLA:HMC3	14:B3:1802:CLA:H71	1.82	0.61
14:A4:841:CLA:H192	10:L4:58:LEU:HD21	1.82	0.61
7:I4:36:GLY:HA2	10:L4:102:GLN:HE22	1.65	0.61
11:M4:29:LEU:O	11:M4:30:TYR:HB2	1.99	0.61
12:X4:26:VAL:CB	14:X4:102:CLA:CED	2.78	0.61
1:A6:431:ASP:O	1:A6:435:ARG:HG3	1.99	0.61
2:B6:60:VAL:HG21	14:B6:828:CLA:H42	1.81	0.61
2:B6:595:TRP:NE1	14:B6:804:CLA:H152	2.14	0.61
1:A5:744:TRP:CZ2	14:A5:828:CLA:H11	2.35	0.61
1:A1:399:TRP:CD1	14:A1:827:CLA:HAB	2.35	0.61
8:J1:27:ILE:HG21	16:J1:104:BCR:C9	2.29	0.61
1:A2:36:ARG:NH1	13:P2:67:ASP:C	2.52	0.61
1:A2:303:ALA:CB	14:A2:1620:CLA:HBB1	2.30	0.61
2:B3:340:HIS:HD2	14:B3:1807:CLA:OBD	1.83	0.61
2:B3:529:ILE:HG21	14:B3:1839:CLA:HAB	1.81	0.61
1:A6:650:LEU:HD22	2:B6:657:LEU:HD21	1.83	0.61
15:A6:1642:PQN:H172	16:F6:201:BCR:H382	1.82	0.61
2:B1:279:ILE:HD11	14:B1:818:CLA:C3C	2.31	0.61
2:B2:456:ILE:HG22	2:B2:458:ILE:HD11	1.82	0.61
1:A3:681:PHE:CG	16:A3:852:BCR:H363	2.34	0.61
6:F6:76:TRP:CZ2	14:F6:202:CLA:O2D	2.53	0.61
1:A5:28:TRP:CZ2	14:A5:804:CLA:H11	2.36	0.61
1:A1:40:ARG:HD3	13:P1:61:ASP:CB	2.31	0.61
2:B1:181:LEU:HD21	14:B1:807:CLA:H93	1.83	0.61
2:B1:271:ASP:HB3	14:B1:818:CLA:HMA1	1.81	0.61
4:D3:50:ARG:H	4:D3:54:ASN:HD21	1.46	0.61
4:D3:60:ARG:N	4:D3:63:GLN:OE1	2.30	0.61
1:A4:303:ALA:CB	14:A4:817:CLA:HBB1	2.30	0.61
1:A4:429:VAL:O	1:A4:433:VAL:HG13	2.01	0.61
14:B4:825:CLA:HBB1	14:B4:832:CLA:HMD2	1.83	0.61
3:C4:30:TRP:O	3:C4:36:GLY:HA2	2.01	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A6:1608:CLA:HMC2	14:A6:1628:CLA:H142	1.81	0.61
10:L5:33:ASN:O	10:L5:38:ARG:NE	2.29	0.61
10:L5:97:GLY:HA3	10:L5:117:TRP:CD1	2.35	0.61
14:A2:1621:CLA:HBB1	14:A2:1621:CLA:HMB1	1.81	0.61
14:A2:1630:CLA:H93	16:J2:102:BCR:H361	1.81	0.61
2:B2:654:TRP:CE2	14:B2:808:CLA:HMC2	2.35	0.61
1:A3:682:ILE:HD11	16:A3:852:BCR:C14	2.30	0.61
3:C3:30:TRP:O	3:C3:36:GLY:HA2	2.01	0.61
5:E3:57:THR:HG23	13:P3:42:ALA:CB	2.30	0.61
1:A4:681:PHE:CD2	16:A4:849:BCR:H363	2.35	0.61
2:B4:668:MET:SD	14:B4:805:CLA:ND	2.73	0.61
1:A6:473:ASP:HA	10:L6:69:ARG:HH22	1.66	0.61
3:C6:30:TRP:O	3:C6:36:GLY:HA2	2.00	0.61
2:B1:53:LEU:CD1	14:B1:807:CLA:O1A	2.47	0.61
2:B2:532:GLY:HA2	2:B2:588:TRP:HZ3	1.65	0.61
1:A3:90:MET:CE	14:A3:808:CLA:HED2	2.31	0.61
1:A4:682:ILE:HD11	16:A4:849:BCR:C14	2.30	0.61
14:A4:818:CLA:HBB1	14:A4:818:CLA:HMB1	1.82	0.61
2:B4:208:TRP:CH2	14:B4:816:CLA:H51	2.35	0.61
2:B6:318:PHE:HA	14:B6:822:CLA:CAB	2.31	0.61
2:B6:532:GLY:HA2	2:B6:588:TRP:CZ3	2.36	0.61
12:X6:9:TYR:O	12:X6:10:ALA:HB2	2.00	0.61
1:A2:177:TRP:HB2	14:A2:1613:CLA:HMC3	1.81	0.61
1:A2:440:ILE:HD11	14:A2:1633:CLA:NC	2.16	0.61
2:B2:503:TRP:CE3	14:B2:816:CLA:H11	2.36	0.61
2:B3:480:LEU:C	2:B3:482:SER:H	2.03	0.61
14:A4:827:CLA:H93	16:J4:103:BCR:H361	1.81	0.61
1:A6:587:CYS:O	2:B6:675:GLY:HA3	2.01	0.61
2:B6:144:LEU:HD21	14:B6:814:CLA:H152	1.81	0.61
14:A5:837:CLA:H101	14:L5:205:CLA:H191	1.83	0.61
2:B1:275:HIS:HA	14:B1:818:CLA:C4B	2.31	0.61
2:B2:61:SER:OG	2:B2:138:ALA:O	2.19	0.61
2:B2:173:ARG:NE	14:B2:823:CLA:HMD1	2.16	0.61
1:A3:86:TRP:HA	14:A3:807:CLA:CBB	2.31	0.61
2:B4:58:LEU:O	14:B4:809:CLA:CBB	2.49	0.61
2:B4:192:HIS:HB2	14:B4:816:CLA:C4B	2.30	0.61
9:K4:32:TYR:O	9:K4:34:ILE:N	2.34	0.61
1:A1:443:HIS:CD2	14:A1:830:CLA:HMB1	2.36	0.60
2:B1:664:ALA:C	14:B1:806:CLA:HBB1	2.21	0.60
14:B1:854:CLA:HBA1	10:L2:148:ILE:HG23	1.83	0.60
7:I3:30:LEU:HD13	16:L3:206:BCR:HC8	1.83	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B6:532:GLY:HA2	2:B6:588:TRP:HZ3	1.66	0.60
1:A5:84:PHE:CE1	14:A5:805:CLA:H91	2.36	0.60
2:B5:41:LEU:O	2:B5:45:ILE:HG12	2.01	0.60
2:B1:457:LEU:HD22	2:B1:620:THR:HG21	1.84	0.60
2:B1:622:LEU:CD1	14:B1:805:CLA:C1	2.65	0.60
14:B1:820:CLA:HMD1	14:B1:822:CLA:HBB1	1.83	0.60
14:B2:818:CLA:HMD1	14:B2:820:CLA:HBB1	1.83	0.60
2:B3:216:PRO:HD3	14:B3:1817:CLA:O2D	2.01	0.60
1:A4:86:TRP:HA	14:A4:806:CLA:CBB	2.31	0.60
12:X4:12:ARG:HB3	17:X4:101:LHG:HC5	1.83	0.60
1:A1:303:ALA:HB2	14:A1:817:CLA:HBB1	1.82	0.60
1:A2:453:PHE:CE1	14:B2:803:CLA:H12	2.36	0.60
1:A3:303:ALA:CB	14:A3:818:CLA:HBB1	2.30	0.60
16:L3:201:BCR:H12C	14:L3:203:CLA:H42	1.81	0.60
14:A4:853:CLA:HMD2	10:L4:21:ILE:HD11	1.83	0.60
14:L4:205:CLA:C9	14:B5:1812:CLA:H91	2.31	0.60
14:A6:1603:CLA:H71	14:A6:1640:CLA:HMC3	1.82	0.60
2:B1:177:HIS:CB	14:B1:825:CLA:HED3	2.30	0.60
8:J1:31:ARG:HD3	16:J1:104:BCR:H312	1.82	0.60
5:E2:39:ARG:NH1	13:P2:24:TYR:CZ	2.68	0.60
1:A3:281:PHE:HE1	14:A3:818:CLA:HAB	1.66	0.60
1:A3:352:TRP:NE1	14:A3:825:CLA:H191	2.17	0.60
14:L4:205:CLA:H91	14:B5:1812:CLA:H101	1.84	0.60
14:A6:1601:CLA:HAC2	14:L6:207:CLA:H151	1.83	0.60
14:A6:1602:CLA:HAB	14:B6:804:CLA:NA	2.17	0.60
14:B6:819:CLA:HMD1	14:B6:821:CLA:HBB1	1.83	0.60
2:B5:261:HIS:HD2	2:B5:263:GLN:H	1.46	0.60
2:B2:256:PHE:HB2	14:B2:815:CLA:O1D	2.02	0.60
2:B2:592:THR:O	2:B2:596:VAL:HG13	2.02	0.60
2:B3:65:PHE:CZ	14:B3:1809:CLA:HAC2	2.37	0.60
2:B3:122:TRP:HH2	16:B3:1847:BCR:H391	1.64	0.60
2:B6:144:LEU:CD2	14:B6:814:CLA:H152	2.31	0.60
2:B5:344:LEU:O	2:B5:348:THR:OG1	2.18	0.60
10:L5:142:PHE:HB2	14:L5:206:CLA:H43	1.83	0.60
1:A1:651:ARG:NE	1:A1:652:ASP:OD2	2.33	0.60
14:A2:1602:CLA:HAB	14:B2:801:CLA:NA	2.17	0.60
10:L2:105:GLY:O	10:L2:106:SER:HB2	2.00	0.60
1:A3:435:ARG:HD2	4:D3:12:GLY:O	2.01	0.60
2:B3:188:ALA:HB2	14:B3:1830:CLA:H202	1.82	0.60
2:B3:344:LEU:HD22	14:B3:1807:CLA:HED3	1.82	0.60
14:B3:1821:CLA:HMD1	14:B3:1823:CLA:HBB1	1.84	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B3:1834:CLA:HBB1	14:B3:1835:CLA:HMB2	1.84	0.60
9:K3:32:TYR:O	9:K3:34:ILE:N	2.34	0.60
1:A4:592:TRP:NE1	14:A4:829:CLA:HMD1	2.16	0.60
1:A4:718:GLN:NE2	5:E4:15:TYR:OH	2.35	0.60
2:B4:498:VAL:HG11	14:B4:818:CLA:HED2	1.84	0.60
2:B4:514:LEU:CD1	14:B4:828:CLA:CMC	2.80	0.60
2:B4:637:LEU:HD22	2:B4:730:PHE:HA	1.84	0.60
1:A6:79:HIS:CD2	14:A6:1605:CLA:HMA1	2.37	0.60
2:B6:114:ILE:O	14:B6:808:CLA:HMD3	2.01	0.60
1:A5:28:TRP:HZ2	14:A5:804:CLA:H11	1.66	0.60
9:K2:32:TYR:O	9:K2:34:ILE:N	2.35	0.60
12:X2:9:TYR:O	12:X2:10:ALA:HB2	2.01	0.60
2:B3:41:LEU:O	2:B3:45:ILE:HG12	2.02	0.60
2:B4:591:ASN:HB2	14:B4:804:CLA:HBC2	1.82	0.60
1:A6:270:PHE:CD1	14:A6:1641:CLA:HMD2	2.37	0.60
1:A6:323:HIS:HB3	1:A6:328:ILE:HD11	1.84	0.60
6:F4:73:ILE:O	6:F4:76:TRP:HB3	2.01	0.60
2:B5:318:PHE:HB2	14:B5:1825:CLA:HMA1	1.84	0.60
2:B1:52:HIS:ND1	14:B1:807:CLA:CMA	2.65	0.60
2:B1:64:LEU:HD11	16:B1:845:BCR:H271	1.84	0.60
2:B1:267:LEU:HD22	14:B1:818:CLA:HBA1	1.84	0.60
10:L1:39:GLN:OE1	10:L1:39:GLN:HA	2.00	0.60
2:B2:318:PHE:H	14:B2:821:CLA:C2B	2.14	0.60
6:F2:70:PHE:HD1	16:F2:201:BCR:H321	1.67	0.60
2:B3:195:HIS:CG	14:B3:1816:CLA:CBC	2.85	0.60
3:C3:11:ILE:CD1	13:P3:39:SER:C	2.70	0.60
12:X4:9:TYR:O	12:X4:10:ALA:HB2	2.01	0.60
14:A6:1619:CLA:HMB1	14:A6:1619:CLA:HBB1	1.83	0.60
1:A5:305:ALA:O	1:A5:309:ILE:HG12	2.01	0.60
2:B1:379:GLN:OE1	14:B1:826:CLA:HMD1	2.01	0.60
2:B2:116:TYR:HA	2:B2:370:THR:HG22	1.84	0.60
14:B2:818:CLA:HAA2	14:B2:823:CLA:HBB1	1.84	0.60
14:B4:821:CLA:HMD1	14:B4:823:CLA:HBB1	1.84	0.60
11:M4:9:TYR:CB	16:M4:101:BCR:H401	2.31	0.60
1:A6:683:TRP:O	1:A6:686:SER:OG	2.19	0.60
14:A5:843:CLA:HAA2	14:L5:202:CLA:HAA2	1.82	0.60
2:B5:727:TYR:HB2	14:B5:1803:CLA:HED3	1.83	0.60
14:B5:1839:CLA:HMB2	14:B5:1841:CLA:HED1	1.82	0.60
2:B2:41:LEU:O	2:B2:45:ILE:HG12	2.02	0.59
1:A3:180:TYR:CE2	14:A3:811:CLA:C4D	2.85	0.59
1:A3:429:VAL:O	1:A3:433:VAL:HG13	2.02	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B3:216:PRO:HD2	14:B3:1817:CLA:C3D	2.32	0.59
2:B3:431:PHE:CZ	16:B3:1851:BCR:HC41	2.36	0.59
2:B3:447:VAL:HG11	2:B3:621:TYR:CZ	2.36	0.59
2:B4:400:ASP:OD1	4:D4:129:LYS:NZ	2.35	0.59
2:B6:446:VAL:HG13	2:B6:451:THR:O	2.01	0.59
14:B6:832:CLA:HBB1	14:B6:833:CLA:HMB2	1.84	0.59
11:M6:29:LEU:O	11:M6:30:TYR:HB2	2.02	0.59
1:A1:706:TRP:CG	2:B1:419:GLU:HG3	2.37	0.59
14:B2:822:CLA:HBB1	14:B2:829:CLA:HMD2	1.84	0.59
14:B3:1832:CLA:HBC1	16:B3:1848:BCR:H23C	1.84	0.59
1:A4:651:ARG:HB2	2:B4:638:ILE:HG23	1.83	0.59
1:A4:683:TRP:O	1:A4:686:SER:OG	2.20	0.59
2:B4:354:HIS:ND1	14:B4:819:CLA:OBD	2.35	0.59
12:X4:26:VAL:CG1	14:X4:102:CLA:HED3	2.32	0.59
1:A5:19:ASP:HA	1:A5:181:HIS:O	2.03	0.59
2:B5:440:TYR:CZ	2:B5:524:LEU:HB3	2.37	0.59
5:E5:54:GLY:O	5:E5:55:VAL:O	2.19	0.59
1:A1:682:ILE:HD12	16:A1:847:BCR:C35	2.32	0.59
9:K1:73:VAL:HA	14:K1:1401:CLA:CBB	2.20	0.59
14:B2:808:CLA:H201	7:I2:23:PRO:HA	1.85	0.59
7:I3:20:TRP:NE1	16:I3:102:BCR:HC22	2.16	0.59
2:B4:281:VAL:HG13	16:B4:845:BCR:H351	1.83	0.59
14:A6:1626:CLA:HAA2	14:A6:1627:CLA:OBD	2.02	0.59
1:A5:302:LEU:HD13	14:A5:815:CLA:HMC1	1.84	0.59
2:B5:718:HIS:HE1	14:B5:1843:CLA:C4D	2.15	0.59
1:A1:40:ARG:NE	13:P1:61:ASP:HA	2.17	0.59
2:B1:300:ILE:HG21	14:B1:825:CLA:HMC1	1.83	0.59
14:B1:831:CLA:HBC1	16:B1:846:BCR:H23C	1.84	0.59
7:I1:30:LEU:HD13	16:I1:103:BCR:C8	2.33	0.59
12:X1:9:TYR:O	12:X1:10:ALA:HB2	2.02	0.59
1:A2:603:TYR:OH	14:A2:1602:CLA:HBA1	2.03	0.59
1:A6:207:LEU:HD21	14:A6:1620:CLA:HMC1	1.84	0.59
2:B6:642:ASN:HB2	2:B6:643:PRO:CD	2.31	0.59
10:L6:105:GLY:O	10:L6:106:SER:HB2	2.01	0.59
2:B1:59:TRP:CG	14:B1:808:CLA:HBC1	2.37	0.59
2:B1:229:TRP:CZ2	14:B1:817:CLA:H71	2.37	0.59
2:B1:256:PHE:HZ	14:B1:818:CLA:H112	1.67	0.59
3:C2:30:TRP:O	3:C2:36:GLY:HA2	2.01	0.59
1:A3:444:LEU:HD13	14:A3:839:CLA:C3B	2.32	0.59
1:A4:233:ALA:O	1:A4:235:ASP:N	2.36	0.59
14:B6:807:CLA:H102	14:B6:807:CLA:H151	1.84	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A1:682:ILE:HD11	16:A1:847:BCR:C13	2.33	0.59
2:B1:334:HIS:HE1	14:B1:830:CLA:HED1	1.67	0.59
2:B1:503:TRP:NE1	14:B1:835:CLA:HED1	2.17	0.59
14:B4:834:CLA:HBB1	14:B4:835:CLA:HMB2	1.85	0.59
1:A6:303:ALA:HB2	14:A6:1618:CLA:HBB1	1.83	0.59
14:B6:830:CLA:HBC1	16:B6:846:BCR:H23C	1.84	0.59
3:C5:62:LEU:HD12	3:C5:65:ARG:NE	2.17	0.59
2:B2:141:LEU:HD23	2:B2:144:LEU:HD12	1.84	0.59
14:B2:831:CLA:HBB1	14:B2:832:CLA:HMB2	1.85	0.59
1:A3:308:PHE:HE2	14:A3:821:CLA:HAB	1.67	0.59
1:A4:612:HIS:CE1	14:A4:835:CLA:C2C	2.86	0.59
1:A4:675:LEU:HD11	14:A4:827:CLA:H143	1.83	0.59
14:A4:825:CLA:HAA2	14:A4:826:CLA:OBD	2.03	0.59
2:B4:189:TRP:N	14:B4:816:CLA:CBB	2.66	0.59
1:A6:489:TRP:O	1:A6:493:LEU:HG	2.03	0.59
2:B6:188:ALA:HA	14:B6:815:CLA:HBB2	1.85	0.59
2:B5:153:TRP:CZ3	14:B5:1801:CLA:C6	2.81	0.59
14:A1:825:CLA:HAA2	14:A1:826:CLA:OBD	2.03	0.59
16:I1:103:BCR:H401	10:L1:89:ALA:HB1	1.85	0.59
8:J1:27:ILE:CG2	16:J1:104:BCR:C34	2.79	0.59
14:L1:201:CLA:H12	14:L1:206:CLA:H93	1.85	0.59
14:B2:805:CLA:H162	14:B2:827:CLA:HBB2	1.85	0.59
10:L2:146:ASP:O	10:L2:150:THR:HG23	2.02	0.59
2:B3:50:PHE:CD1	2:B3:152:GLY:HA2	2.38	0.59
2:B3:414:VAL:HG11	16:B3:1848:BCR:H401	1.83	0.59
2:B3:493:PRO:HG3	14:B3:1838:CLA:ND	2.17	0.59
1:A4:456:PHE:CE2	14:B4:805:CLA:H92	2.38	0.59
2:B4:174:LEU:HD21	14:B4:826:CLA:C4D	2.33	0.59
2:B4:229:TRP:CE3	14:B4:818:CLA:C2B	2.85	0.59
2:B4:304:MET:HG3	2:B4:322:HIS:O	2.03	0.59
2:B4:711:ALA:CB	15:B4:844:PQN:C8	2.81	0.59
5:E4:57:THR:HG23	13:P4:42:ALA:HB1	1.78	0.59
6:F4:103:VAL:HB	6:F4:104:PRO:HD3	1.84	0.59
1:A6:429:VAL:O	1:A6:433:VAL:HG13	2.01	0.59
2:B6:41:LEU:O	2:B6:45:ILE:HG12	2.02	0.59
1:A5:86:TRP:HA	14:A5:807:CLA:CBB	2.33	0.59
14:A2:1634:CLA:H143	16:L2:201:BCR:H313	1.85	0.59
2:B3:281:VAL:HG22	16:B3:1845:BCR:H352	1.85	0.59
1:A4:453:PHE:O	14:L4:201:CLA:CBB	2.50	0.59
2:B4:525:VAL:HG12	14:B4:803:CLA:C14	2.32	0.59
14:B4:832:CLA:HBC1	16:B4:848:BCR:H23C	1.84	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A6:19:ASP:HA	1:A6:181:HIS:O	2.03	0.59
1:A6:86:TRP:HA	14:A6:1607:CLA:CBB	2.33	0.59
8:J6:13:VAL:HA	16:J6:1105:BCR:H401	1.85	0.59
5:E5:39:ARG:NH2	13:P5:24:TYR:CZ	2.63	0.59
16:L5:201:BCR:H12C	14:L5:204:CLA:H42	1.83	0.59
1:A1:303:ALA:CB	14:A1:817:CLA:HBB1	2.32	0.59
2:B1:229:TRP:CB	14:B1:817:CLA:HBA2	2.33	0.59
2:B1:230:GLY:CA	14:B1:817:CLA:HBA1	2.33	0.59
2:B1:286:ALA:HB2	14:B1:820:CLA:C3C	2.32	0.59
2:B1:358:LEU:HD11	14:B1:827:CLA:HHC	1.85	0.59
1:A2:582:GLY:HA3	3:C2:48:VAL:O	2.03	0.59
5:E2:57:THR:HG21	13:P2:42:ALA:HA	1.85	0.59
14:A4:822:CLA:HMA1	14:B5:1801:CLA:HAC2	1.85	0.59
2:B4:48:SER:HB3	14:B4:807:CLA:HBB1	1.85	0.59
8:J4:31:ARG:CZ	14:J4:101:CLA:HED2	2.32	0.59
14:B6:841:CLA:H151	10:L6:92:CYS:SG	2.43	0.59
1:A5:744:TRP:CH2	14:A5:828:CLA:H43	2.37	0.59
14:B5:1832:CLA:HBC1	16:B5:1848:BCR:H23C	1.84	0.59
10:L5:48:LEU:CD1	14:L5:204:CLA:CED	2.81	0.59
14:A1:822:CLA:HMA1	14:B3:1801:CLA:HAC2	1.84	0.58
14:B1:833:CLA:HBB1	14:B1:834:CLA:HMB2	1.84	0.58
14:B1:853:CLA:HAC2	14:A2:1625:CLA:HMA1	1.85	0.58
14:A2:1635:CLA:C3B	14:L2:202:CLA:HMB2	2.33	0.58
14:A3:834:CLA:O1A	10:L3:62:TRP:CD1	2.56	0.58
10:L3:105:GLY:O	10:L3:106:SER:HB2	2.03	0.58
14:A4:841:CLA:H192	10:L4:58:LEU:CD2	2.33	0.58
7:I4:25:VAL:HG13	14:L6:206:CLA:H111	1.85	0.58
1:A1:86:TRP:HA	14:A1:806:CLA:CBB	2.33	0.58
1:A1:305:ALA:O	1:A1:309:ILE:HG12	2.03	0.58
1:A1:682:ILE:CD1	16:A1:847:BCR:C35	2.81	0.58
2:B1:660:HIS:CD2	14:B1:804:CLA:C1B	2.87	0.58
1:A2:19:ASP:HA	1:A2:181:HIS:O	2.03	0.58
14:B2:829:CLA:HBC1	16:B2:845:BCR:H23C	1.84	0.58
14:B2:840:CLA:H151	10:L2:92:CYS:SG	2.44	0.58
10:L2:54:HIS:O	10:L2:58:LEU:HG	2.03	0.58
2:B3:90:ILE:HB	2:B3:111:PRO:HB2	1.85	0.58
2:B3:122:TRP:CH2	16:B3:1847:BCR:H391	2.38	0.58
2:B3:281:VAL:HG13	16:B3:1845:BCR:C35	2.32	0.58
2:B3:493:PRO:HG3	14:B3:1838:CLA:C3D	2.33	0.58
14:B3:1808:CLA:H143	14:B3:1830:CLA:HBB2	1.85	0.58
12:X3:12:ARG:CB	17:X3:101:LHG:HC5	2.30	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A4:221:LEU:HB2	1:A4:222:PRO:HD3	1.84	0.58
14:A4:832:CLA:C3B	14:L4:201:CLA:HMB2	2.33	0.58
1:A6:83:VAL:HG11	14:A6:1605:CLA:H72	1.85	0.58
2:B6:630:LEU:CD1	14:B6:804:CLA:H93	2.33	0.58
1:A5:587:CYS:HB2	2:B5:673:TRP:CB	2.33	0.58
14:B5:1821:CLA:HMD1	14:B5:1823:CLA:HBB1	1.84	0.58
2:B1:286:ALA:HB2	14:B1:820:CLA:C2C	2.33	0.58
10:L1:134:VAL:CB	16:L1:209:BCR:H403	2.32	0.58
2:B2:114:ILE:O	14:B2:807:CLA:HMD3	2.03	0.58
7:I2:22:MET:HE2	16:I2:101:BCR:H331	1.85	0.58
14:B6:810:CLA:HMA2	10:L5:148:ILE:HG23	1.83	0.58
1:A5:399:TRP:CD1	14:A5:828:CLA:HAB	2.37	0.58
1:A1:207:LEU:HD13	16:A1:843:BCR:C36	2.34	0.58
1:A1:341:HIS:HE1	17:A1:849:LHG:HC11	1.67	0.58
2:B1:339:TRP:CZ3	16:B1:846:BCR:H372	2.38	0.58
2:B1:664:ALA:HB2	14:B1:801:CLA:C3D	2.33	0.58
14:B1:854:CLA:CMB	7:I1:20:TRP:HZ2	2.09	0.58
3:C2:62:LEU:HD12	3:C2:65:ARG:NE	2.17	0.58
7:I2:7:ALA:N	11:M2:5:ASP:OD1	2.36	0.58
1:A4:305:ALA:O	1:A4:309:ILE:HG12	2.04	0.58
1:A4:313:HIS:CE1	16:A4:844:BCR:H363	2.39	0.58
2:B4:294:PHE:HE1	14:B4:814:CLA:HMA1	1.68	0.58
14:B6:819:CLA:CMB	14:B6:824:CLA:HMA3	2.33	0.58
14:B6:823:CLA:HBB1	14:B6:830:CLA:HMD2	1.84	0.58
6:F6:24:THR:OG1	6:F6:34:ARG:NH1	2.36	0.58
1:A5:360:LEU:HD13	14:A5:830:CLA:HBB1	1.84	0.58
14:B5:1834:CLA:HBB1	14:B5:1835:CLA:HMB2	1.85	0.58
1:A1:602:MET:HG2	14:A1:825:CLA:HBC1	1.85	0.58
14:B1:808:CLA:H162	14:B1:829:CLA:HBB2	1.85	0.58
6:F1:65:ILE:CD1	14:J1:102:CLA:HMB3	2.32	0.58
1:A2:681:PHE:CG	16:A2:1652:BCR:H363	2.39	0.58
1:A3:19:ASP:HA	1:A3:181:HIS:O	2.02	0.58
14:A3:843:CLA:H192	10:L3:58:LEU:HD21	1.86	0.58
2:B3:281:VAL:HG13	16:B3:1845:BCR:H351	1.86	0.58
1:A4:612:HIS:ND1	14:A4:835:CLA:HMC2	2.17	0.58
2:B4:174:LEU:HD21	14:B4:826:CLA:C2D	2.34	0.58
2:B4:554:PRO:HD2	3:C4:61:PHE:CZ	2.39	0.58
14:B4:821:CLA:CMB	14:B4:826:CLA:HMA3	2.34	0.58
5:E4:57:THR:CG2	13:P4:42:ALA:HB1	2.28	0.58
14:B6:807:CLA:H143	14:B6:828:CLA:HBB2	1.86	0.58
10:L6:115:GLU:O	10:L6:118:SER:OG	2.17	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B1:339:TRP:CH2	14:B1:824:CLA:HBC2	2.39	0.58
2:B1:685:VAL:HG21	3:C1:80:TYR:CE1	2.39	0.58
14:A2:1644:CLA:HMA1	2:B2:694:ALA:HB1	1.85	0.58
2:B2:261:HIS:HD2	2:B2:263:GLN:H	1.51	0.58
14:B2:808:CLA:H203	7:I2:26:VAL:CG2	2.32	0.58
2:B3:599:TYR:CE2	14:B3:1839:CLA:C2C	2.86	0.58
14:A4:853:CLA:HBD	14:B5:1801:CLA:HMA2	1.85	0.58
2:B4:521:GLY:CA	2:B4:619:SER:OG	2.51	0.58
8:J6:26:LEU:HD23	16:J6:1104:BCR:C7	2.32	0.58
2:B5:599:TYR:CE2	14:B5:1839:CLA:C2C	2.87	0.58
1:A2:688:MET:O	1:A2:692:SER:OG	2.20	0.58
2:B4:189:TRP:N	14:B4:816:CLA:HBB1	2.19	0.58
1:A6:305:ALA:O	1:A6:309:ILE:HG12	2.04	0.58
14:A6:1603:CLA:HBA2	2:B6:430:LEU:HD12	1.86	0.58
14:A5:823:CLA:HMA1	14:A5:843:CLA:HAC2	1.85	0.58
2:B2:600:TRP:HB2	14:B2:836:CLA:HMC1	1.84	0.58
14:B2:818:CLA:CMB	14:B2:823:CLA:HMA3	2.34	0.58
14:A3:801:CLA:HAB	14:B3:1803:CLA:NA	2.19	0.58
2:B3:195:HIS:ND1	14:B3:1816:CLA:CBC	2.67	0.58
2:B3:672:SER:HG	2:B3:677:TRP:HE1	1.49	0.58
1:A4:683:TRP:NE1	14:A4:801:CLA:HBA2	2.19	0.58
2:B5:377:HIS:HE2	14:B5:1830:CLA:C1B	2.17	0.58
2:B5:625:TRP:CZ2	14:B5:1803:CLA:H142	2.38	0.58
14:B5:1808:CLA:H162	14:B5:1830:CLA:HBB2	1.86	0.58
7:I1:30:LEU:HD13	16:I1:103:BCR:C6	2.33	0.58
14:A2:1634:CLA:H12	14:L2:206:CLA:H93	1.86	0.58
2:B2:52:HIS:CE1	14:B2:804:CLA:HMA2	2.39	0.58
2:B2:446:VAL:HG13	2:B2:451:THR:O	2.04	0.58
2:B2:493:PRO:HG3	14:B2:835:CLA:C1D	2.34	0.58
2:B3:481:LEU:HD11	14:B3:1836:CLA:CAD	2.34	0.58
2:B4:174:LEU:HD21	14:B4:826:CLA:ND	2.18	0.58
1:A6:84:PHE:CZ	14:A6:1605:CLA:H91	2.38	0.58
1:A6:90:MET:HE2	14:A6:1628:CLA:HED1	1.85	0.58
6:F6:76:TRP:CE3	14:F6:202:CLA:HBA2	2.38	0.58
14:A5:842:CLA:H151	10:L5:85:LEU:HD22	1.85	0.58
6:F5:76:TRP:CZ3	14:F5:1301:CLA:HBA2	2.39	0.58
2:B1:11:LEU:HD11	2:B1:26:MET:SD	2.44	0.58
14:B1:828:CLA:HBC3	19:B1:850:LMG:H421	1.86	0.58
1:A2:233:ALA:O	1:A2:235:ASP:N	2.37	0.58
2:B3:724:ILE:HD13	19:B3:1850:LMG:H431	1.84	0.58
1:A4:259:GLY:O	1:A4:261:PHE:N	2.37	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B4:181:LEU:HD13	14:B4:815:CLA:HBB	1.86	0.58
7:I4:27:MET:SD	16:L4:206:BCR:H352	2.44	0.58
1:A6:352:TRP:NE1	14:A6:1625:CLA:H191	2.18	0.58
1:A5:744:TRP:CZ2	14:A5:828:CLA:H43	2.38	0.58
1:A1:31:PRO:HB3	14:A1:802:CLA:HAC1	1.84	0.57
14:B1:808:CLA:H143	14:B1:829:CLA:HBB2	1.86	0.57
1:A2:269:THR:O	1:A2:270:PHE:HB2	2.04	0.57
2:B2:229:TRP:CB	14:B2:815:CLA:H12	2.22	0.57
2:B2:339:TRP:CZ2	14:B2:823:CLA:CAB	2.86	0.57
2:B3:288:HIS:O	14:B3:1822:CLA:HED1	2.04	0.57
2:B3:398:VAL:CG2	2:B3:547:ALA:HB1	2.34	0.57
2:B4:350:LEU:HD23	14:B4:820:CLA:H62	1.86	0.57
14:B5:1821:CLA:CMB	14:B5:1826:CLA:HMA3	2.34	0.57
14:B5:1835:CLA:O1D	8:J5:35:ASP:HA	2.04	0.57
1:A1:604:ASN:HD21	14:A1:801:CLA:H201	1.69	0.57
8:J1:32:PHE:HE1	14:J1:101:CLA:HMA3	1.68	0.57
1:A2:40:ARG:NH1	13:P2:62:GLN:O	2.37	0.57
14:A3:843:CLA:H151	10:L3:85:LEU:CD2	2.34	0.57
2:B3:59:TRP:HA	14:B3:1809:CLA:HBB2	1.86	0.57
2:B3:174:LEU:HD21	14:B3:1826:CLA:C1D	2.34	0.57
11:M3:9:TYR:CB	16:M3:1602:BCR:H401	2.28	0.57
11:M3:12:LEU:HB3	16:M3:1602:BCR:C21	2.35	0.57
10:L4:7:PRO:HB3	10:L4:12:PRO:HA	1.85	0.57
2:B6:52:HIS:CE1	14:B6:806:CLA:HMA2	2.39	0.57
14:B6:807:CLA:H162	14:B6:828:CLA:HBB2	1.85	0.57
10:L6:33:ASN:O	10:L6:38:ARG:NE	2.24	0.57
10:L6:129:MET:SD	16:L5:201:BCR:H24C	2.45	0.57
14:A5:801:CLA:HAB	14:B5:1803:CLA:NA	2.18	0.57
2:B1:444:ASP:OD2	2:B1:622:LEU:N	2.34	0.57
8:J1:27:ILE:HG21	16:J1:104:BCR:H343	1.82	0.57
1:A3:646:ILE:HG13	14:A3:802:CLA:H12	1.85	0.57
1:A4:341:HIS:HE1	17:A4:851:LHG:HC11	1.69	0.57
14:A4:831:CLA:H12	14:L4:204:CLA:H93	1.86	0.57
2:B4:493:PRO:HG3	14:B4:838:CLA:C4D	2.34	0.57
14:B4:808:CLA:H162	14:B4:830:CLA:HBB2	1.86	0.57
12:X4:23:ASN:OD1	14:X4:102:CLA:C4A	2.52	0.57
1:A6:259:GLY:O	1:A6:261:PHE:N	2.38	0.57
11:M6:4:THR:N	11:M6:7:GLN:OE1	2.31	0.57
2:B5:166:TRP:CZ2	14:B5:1815:CLA:HAC2	2.40	0.57
2:B1:466:ILE:HD12	14:B1:838:CLA:CGA	2.35	0.57
14:B2:805:CLA:H143	14:B2:827:CLA:HBB2	1.86	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
5:E2:57:THR:CG2	13:P2:42:ALA:HB2	2.34	0.57
12:X2:23:ASN:OD1	14:X2:1701:CLA:CHB	2.52	0.57
14:A3:802:CLA:H41	2:B3:654:TRP:CD1	2.38	0.57
14:A3:833:CLA:C3B	14:A3:834:CLA:HMB2	2.35	0.57
1:A4:581:PRO:HG2	3:C4:68:LEU:HD11	1.85	0.57
1:A4:691:PHE:O	2:B4:583:TYR:OH	2.17	0.57
6:F4:70:PHE:HB2	16:F4:201:BCR:H321	1.84	0.57
5:E6:24:ALA:O	5:E6:25:SER:HB3	2.04	0.57
1:A5:90:MET:CE	14:A5:828:CLA:HED1	2.33	0.57
14:A5:842:CLA:H191	14:L5:205:CLA:HBB1	1.85	0.57
2:B5:386:MET:HE1	16:B5:1849:BCR:C36	2.33	0.57
1:A1:90:MET:HE3	14:A1:807:CLA:HED2	1.87	0.57
1:A3:281:PHE:CE1	14:A3:818:CLA:HAB	2.40	0.57
14:A3:826:CLA:HAA2	14:A3:827:CLA:OBD	2.04	0.57
14:A3:843:CLA:H191	14:L3:204:CLA:HBB1	1.87	0.57
14:B3:1808:CLA:H162	14:B3:1830:CLA:HBB2	1.86	0.57
14:A4:841:CLA:H191	14:L4:204:CLA:HBB1	1.86	0.57
2:B4:398:VAL:CG2	2:B4:547:ALA:HB1	2.35	0.57
1:A6:682:ILE:HD11	16:A6:1648:BCR:C14	2.35	0.57
14:A5:826:CLA:HAA2	14:A5:827:CLA:OBD	2.05	0.57
2:B5:153:TRP:CH2	14:B5:1801:CLA:H62	2.39	0.57
2:B5:466:ILE:CD1	14:B5:1839:CLA:O2A	2.52	0.57
10:L5:62:TRP:CZ2	14:L5:203:CLA:H11	2.39	0.57
14:A2:1644:CLA:H191	14:L2:206:CLA:HBB1	1.86	0.57
11:M2:29:LEU:O	11:M2:30:TYR:HB2	2.04	0.57
2:B3:195:HIS:ND1	14:B3:1816:CLA:HBC1	2.19	0.57
14:B3:1835:CLA:H11	8:J3:29:PHE:CE2	2.39	0.57
10:L3:41:LEU:HD13	10:L3:45:LEU:HD23	1.87	0.57
1:A4:83:VAL:HG11	14:A4:804:CLA:H72	1.85	0.57
2:B4:122:TRP:CH2	16:B4:847:BCR:H391	2.40	0.57
2:B4:182:PHE:CE1	14:B4:826:CLA:HED2	2.39	0.57
14:B4:808:CLA:H143	14:B4:830:CLA:HBB2	1.86	0.57
14:B4:829:CLA:HBC3	19:B4:851:LMG:H421	1.87	0.57
14:B4:852:CLA:HAC2	14:A6:1623:CLA:HMA1	1.85	0.57
14:B4:852:CLA:HBA1	14:A6:1601:CLA:HAA2	1.87	0.57
6:F4:53:VAL:HG12	6:F4:63:PHE:HB2	1.85	0.57
1:A6:233:ALA:O	1:A6:235:ASP:N	2.36	0.57
1:A6:303:ALA:CB	14:A6:1618:CLA:HBB1	2.33	0.57
1:A6:468:PHE:CZ	14:B6:809:CLA:CHC	2.88	0.57
1:A6:646:ILE:HD11	14:A6:1602:CLA:H151	1.85	0.57
10:L6:21:ILE:HB	14:L6:202:CLA:CAD	2.35	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A5:352:TRP:CZ3	14:A5:825:CLA:H112	2.39	0.57
2:B5:150:PHE:HZ	14:B5:1801:CLA:C2	2.17	0.57
2:B5:525:VAL:HG12	14:B5:1803:CLA:C14	2.30	0.57
1:A1:453:PHE:O	14:L1:202:CLA:CBB	2.53	0.57
2:B1:182:PHE:CE1	14:B1:825:CLA:HED2	2.40	0.57
14:A2:1628:CLA:HAA2	14:A2:1629:CLA:OBD	2.04	0.57
14:A3:823:CLA:HMA1	14:A3:845:CLA:HAC2	1.85	0.57
2:B3:480:LEU:O	2:B3:482:SER:N	2.38	0.57
2:B3:493:PRO:HG3	14:B3:1838:CLA:C2D	2.34	0.57
1:A4:36:ARG:HH12	13:P4:71:GLU:HG3	1.70	0.57
1:A4:464:THR:HG1	2:B4:654:TRP:HE1	1.53	0.57
2:B6:339:TRP:HZ2	14:B6:824:CLA:HAB	1.70	0.57
16:A5:850:BCR:H403	16:A5:850:BCR:H23C	1.86	0.57
2:B5:402:ASP:O	2:B5:406:ASN:OD1	2.23	0.57
2:B5:497:ASN:O	2:B5:498:VAL:HB	2.04	0.57
8:J5:27:ILE:CD1	16:J5:104:BCR:C11	2.82	0.57
1:A1:578:CYS:SG	18:A1:850:SF4:S1	3.02	0.57
14:A1:839:CLA:H191	14:L1:206:CLA:HBB1	1.85	0.57
16:A2:1652:BCR:H403	16:A2:1652:BCR:H23C	1.86	0.57
2:B2:586:MET:HG3	2:B2:716:LEU:HD21	1.86	0.57
1:A3:40:ARG:HD3	13:P3:61:ASP:HA	1.87	0.57
1:A3:587:CYS:HG	18:A3:855:SF4:FE2	1.22	0.57
1:A4:177:TRP:HB2	14:A4:810:CLA:HMC3	1.87	0.57
1:A4:466:ARG:O	2:B4:646:THR:HG21	2.04	0.57
1:A4:682:ILE:HD12	16:A4:849:BCR:C35	2.35	0.57
2:B4:207:GLY:HA2	14:B4:816:CLA:OBD	2.05	0.57
6:F4:76:TRP:NE1	14:F4:202:CLA:HBD	2.19	0.57
1:A6:578:CYS:HB3	1:A6:587:CYS:HA	1.87	0.57
14:B6:810:CLA:C4	10:L6:81:SER:HA	2.35	0.57
14:B1:820:CLA:CMB	14:B1:825:CLA:HMA3	2.35	0.57
1:A2:544:PHE:HZ	14:A2:1603:CLA:CBB	2.18	0.57
14:B3:1821:CLA:CMB	14:B3:1826:CLA:HMA3	2.35	0.57
2:B4:61:SER:OG	2:B4:138:ALA:O	2.23	0.57
2:B4:192:HIS:HB2	14:B4:816:CLA:CHC	2.35	0.57
2:B4:456:ILE:HG22	2:B4:458:ILE:HD11	1.86	0.57
8:J6:13:VAL:HG22	16:J6:1105:BCR:H292	1.87	0.57
14:L6:203:CLA:H191	14:L6:207:CLA:HBB1	1.86	0.57
1:A5:555:LYS:HD3	2:B5:676:TYR:CE1	2.40	0.57
2:B5:731:LEU:HD22	14:B5:1829:CLA:HMB1	1.86	0.57
10:L5:116:GLY:O	10:L5:119:GLN:N	2.37	0.57
10:L1:46:ARG:O	10:L1:50:VAL:HG23	2.05	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B2:480:LEU:O	2:B2:482:SER:N	2.38	0.57
3:C2:7:TYR:OH	3:C2:67:TYR:OH	2.20	0.57
1:A3:221:LEU:HB2	1:A3:222:PRO:HD3	1.86	0.57
1:A6:200:HIS:CE1	14:A6:1625:CLA:H52	2.40	0.57
2:B6:166:TRP:CZ2	14:B6:813:CLA:HAC2	2.40	0.57
2:B5:731:LEU:HD22	14:B5:1829:CLA:CMB	2.35	0.57
14:B5:1829:CLA:HBC3	19:B5:1851:LMG:H421	1.87	0.57
1:A1:50:ASN:O	1:A1:51:LEU:C	2.44	0.56
1:A1:423:ALA:HA	4:D1:38:VAL:HG11	1.87	0.56
1:A1:567:PRO:HD2	4:D1:62:GLU:CD	2.26	0.56
2:B1:189:TRP:CE3	14:B1:819:CLA:HMD3	2.40	0.56
2:B1:274:HIS:ND1	14:B1:818:CLA:HMB1	2.20	0.56
2:B2:188:ALA:HA	14:B2:814:CLA:HBB2	1.86	0.56
14:A3:803:CLA:HED1	8:J3:12:PRO:HA	1.85	0.56
16:A3:852:BCR:H403	16:A3:852:BCR:H23C	1.85	0.56
2:B4:176:HIS:HB3	14:B4:815:CLA:CHC	2.35	0.56
2:B6:480:LEU:O	2:B6:482:SER:N	2.38	0.56
14:L6:202:CLA:H12	14:L6:207:CLA:H93	1.86	0.56
2:B5:64:LEU:HD11	16:B5:1847:BCR:H271	1.87	0.56
1:A1:47:TRP:HD1	5:E1:52:ALA:HB1	1.70	0.56
14:A1:831:CLA:C3B	14:L1:202:CLA:HMB2	2.34	0.56
16:A1:847:BCR:H403	16:A1:847:BCR:H23C	1.86	0.56
2:B1:660:HIS:NE2	14:B1:804:CLA:C1B	2.68	0.56
6:F1:53:VAL:HG12	6:F1:63:PHE:HB2	1.87	0.56
6:F1:65:ILE:HB	6:F1:66:PRO:HD3	1.87	0.56
1:A3:300:HIS:O	1:A3:304:ILE:HG12	2.05	0.56
1:A4:444:LEU:HB2	14:A4:837:CLA:CBB	2.34	0.56
2:B4:497:ASN:O	2:B4:498:VAL:HB	2.05	0.56
14:B4:808:CLA:H151	14:B4:808:CLA:H102	1.87	0.56
14:B4:812:CLA:H52	7:I4:20:TRP:CH2	2.40	0.56
2:B6:52:HIS:NE2	14:B6:806:CLA:CMA	2.66	0.56
2:B6:340:HIS:CG	14:B6:824:CLA:HAA1	2.41	0.56
2:B6:372:ALA:HA	2:B6:600:TRP:CZ3	2.39	0.56
1:A5:697:TRP:CH2	15:A5:844:PQN:H2M3	2.40	0.56
14:A5:833:CLA:C3B	14:L5:203:CLA:HMB2	2.35	0.56
2:B5:537:THR:HG21	14:B5:1827:CLA:CBB	2.34	0.56
1:A1:431:ASP:OD1	4:D1:46:ALA:N	2.37	0.56
2:B1:538:LEU:CD2	14:B1:802:CLA:O2D	2.53	0.56
14:B1:803:CLA:H43	14:B1:833:CLA:HAA2	1.87	0.56
9:K1:32:TYR:O	9:K1:34:ILE:N	2.38	0.56
1:A2:204:LEU:HD11	14:A2:1631:CLA:C14	2.36	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A2:651:ARG:NH2	2:B2:643:PRO:HD3	2.20	0.56
2:B2:318:PHE:HA	14:B2:821:CLA:CAB	2.34	0.56
14:A3:832:CLA:H12	14:L3:204:CLA:H93	1.86	0.56
1:A4:90:MET:HE3	14:A4:807:CLA:HED2	1.86	0.56
1:A4:352:TRP:CD1	14:A4:824:CLA:H201	2.40	0.56
2:B4:229:TRP:CE3	14:B4:818:CLA:HMB2	2.40	0.56
2:B4:438:GLY:HA3	14:B4:835:CLA:CBB	2.35	0.56
4:D4:134:LYS:HG2	4:D4:136:TYR:CZ	2.41	0.56
7:I4:20:TRP:CE2	16:I4:102:BCR:HC22	2.41	0.56
1:A6:302:LEU:HD13	14:A6:1615:CLA:HMC1	1.87	0.56
1:A6:544:PHE:CZ	14:B6:802:CLA:HBB1	2.40	0.56
14:A6:1632:CLA:C3B	14:A6:1633:CLA:HMB2	2.35	0.56
14:B6:810:CLA:HAA2	10:L6:67:PRO:HG3	1.86	0.56
4:D6:134:LYS:HG2	4:D6:136:TYR:CZ	2.41	0.56
1:A5:233:ALA:O	1:A5:235:ASP:N	2.37	0.56
1:A5:440:ILE:HG12	14:A5:831:CLA:CHC	2.36	0.56
1:A5:453:PHE:O	14:L5:203:CLA:CBB	2.54	0.56
2:B5:60:VAL:CG2	14:B5:1830:CLA:H11	2.35	0.56
2:B5:360:PRO:HG3	14:B5:1820:CLA:HBA1	1.87	0.56
2:B5:480:LEU:O	2:B5:482:SER:N	2.38	0.56
7:I5:20:TRP:NE1	16:I5:102:BCR:HC22	2.20	0.56
1:A1:691:PHE:CD1	2:B1:670:LEU:HB3	2.41	0.56
2:B1:527:HIS:CD2	16:B1:852:BCR:H322	2.41	0.56
2:B1:587:PHE:CB	14:B1:802:CLA:HAC2	2.35	0.56
8:J4:24:GLY:HA3	14:J4:101:CLA:CBB	2.32	0.56
1:A6:377:MET:N	1:A6:378:PRO:HD3	2.20	0.56
1:A6:453:PHE:O	14:A6:1633:CLA:CBB	2.53	0.56
1:A6:651:ARG:HB2	2:B6:638:ILE:HG23	1.86	0.56
2:B6:526:HIS:CG	14:B6:838:CLA:HED3	2.41	0.56
14:A5:832:CLA:H12	14:L5:205:CLA:H93	1.88	0.56
2:B1:19:ARG:NH2	2:B1:701:ASP:OD1	2.38	0.56
2:B1:304:MET:HG3	2:B1:322:HIS:O	2.06	0.56
2:B1:319:ASN:O	17:B1:851:LHG:O5	2.23	0.56
2:B1:480:LEU:O	2:B1:482:SER:N	2.38	0.56
1:A2:709:ASN:HB3	6:F2:136:ILE:HG23	1.88	0.56
2:B2:497:ASN:O	2:B2:498:VAL:HB	2.05	0.56
14:B3:1801:CLA:HBA1	14:M3:1601:CLA:HAA2	1.86	0.56
1:A4:94:GLY:O	1:A4:98:SER:OG	2.21	0.56
1:A4:352:TRP:HB3	14:A4:804:CLA:HAC1	1.87	0.56
14:A4:801:CLA:HAB	14:B4:803:CLA:NA	2.20	0.56
14:A4:838:CLA:H43	14:B4:834:CLA:HAA2	1.88	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B4:50:PHE:CD1	2:B4:152:GLY:HA2	2.40	0.56
2:B5:339:TRP:HE1	14:B5:1826:CLA:C1B	2.18	0.56
2:B5:713:LEU:HD23	19:B5:1851:LMG:H122	1.88	0.56
1:A1:285:LEU:HD12	1:A1:518:VAL:HG21	1.87	0.56
1:A1:308:PHE:HE2	14:A1:820:CLA:HAB	1.71	0.56
2:B1:438:GLY:HA3	14:B1:834:CLA:CBB	2.35	0.56
2:B1:630:LEU:HD11	14:B1:804:CLA:H93	1.88	0.56
14:B1:841:CLA:H171	7:I1:24:THR:HG23	1.87	0.56
2:B2:453:GLU:HA	6:F2:48:LEU:HD22	1.88	0.56
1:A3:612:HIS:ND1	14:A3:837:CLA:CMC	2.67	0.56
2:B3:525:VAL:HG12	14:B3:1803:CLA:H141	1.87	0.56
6:F3:76:TRP:CH2	14:F3:202:CLA:O1A	2.57	0.56
6:F3:88:VAL:HG11	6:F3:97:LYS:HB2	1.87	0.56
2:B4:174:LEU:HG	14:B4:826:CLA:HMD3	1.88	0.56
6:F6:73:ILE:O	6:F6:76:TRP:HB3	2.04	0.56
2:B5:42:TYR:CZ	2:B5:333:LEU:HD21	2.40	0.56
3:C5:52:ARG:O	3:C5:56:ALA:N	2.39	0.56
1:A1:79:HIS:CD2	14:A1:804:CLA:HMA1	2.41	0.56
1:A1:372:GLN:HG3	14:A1:825:CLA:CED	2.35	0.56
1:A1:587:CYS:O	2:B1:675:GLY:N	2.39	0.56
1:A2:363:MET:HE3	14:A2:1631:CLA:HBC3	1.88	0.56
1:A3:440:ILE:HG12	14:A3:831:CLA:CHC	2.36	0.56
1:A3:453:PHE:O	14:A3:834:CLA:CBB	2.53	0.56
2:B3:261:HIS:HD2	2:B3:263:GLN:H	1.54	0.56
2:B3:728:ALA:O	2:B3:732:ILE:HG12	2.05	0.56
8:J3:28:GLU:OE2	14:J3:101:CLA:NA	2.39	0.56
1:A4:577:PRO:O	1:A4:578:CYS:HB3	2.06	0.56
14:A4:840:CLA:H172	8:J4:19:MET:HG3	1.88	0.56
2:B4:122:TRP:CZ2	14:B4:815:CLA:H191	2.41	0.56
7:I4:25:VAL:HG21	14:L6:206:CLA:H62	1.88	0.56
12:X4:23:ASN:HD21	14:X4:102:CLA:CHA	2.19	0.56
2:B6:599:TYR:CE2	14:B6:837:CLA:C2C	2.89	0.56
10:L6:68:LEU:HD13	10:L6:73:VAL:HG23	1.88	0.56
1:A5:259:GLY:O	1:A5:261:PHE:N	2.39	0.56
14:B5:1808:CLA:H143	14:B5:1830:CLA:HBB2	1.88	0.56
1:A1:233:ALA:O	1:A1:235:ASP:N	2.37	0.56
2:B1:456:ILE:CD1	14:B1:834:CLA:CHB	2.84	0.56
14:B1:854:CLA:CGA	10:L2:148:ILE:HG23	2.35	0.56
1:A2:221:LEU:HB2	1:A2:222:PRO:HD3	1.86	0.56
1:A2:259:GLY:O	1:A2:261:PHE:N	2.39	0.56
1:A2:587:CYS:HB2	2:B2:673:TRP:HB3	1.86	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A3:233:ALA:O	1:A3:235:ASP:N	2.37	0.56
10:L3:85:LEU:O	10:L3:85:LEU:HD22	2.06	0.56
1:A4:583:ARG:HA	3:C4:75:SER:O	2.05	0.56
2:B4:660:HIS:CD2	14:B4:801:CLA:O2D	2.58	0.56
2:B6:50:PHE:CD1	2:B6:152:GLY:HA2	2.41	0.56
14:B6:827:CLA:HBC3	19:B6:848:LMG:H421	1.87	0.56
2:B5:90:ILE:HG23	14:B5:1811:CLA:O1D	2.04	0.56
2:B5:386:MET:HE1	16:B5:1849:BCR:H363	1.88	0.56
2:B5:386:MET:CE	16:B5:1849:BCR:H361	2.36	0.56
1:A1:706:TRP:CD1	2:B1:419:GLU:HG3	2.41	0.56
2:B1:279:ILE:HD11	14:B1:818:CLA:C4C	2.36	0.56
2:B2:390:PHE:HZ	14:B2:824:CLA:HAB	1.71	0.56
2:B2:427:TRP:CE2	14:B2:830:CLA:HBB1	2.41	0.56
14:B2:809:CLA:C4	10:L2:81:SER:HA	2.35	0.56
6:F2:69:LEU:HB2	14:F2:204:CLA:HBB2	1.88	0.56
5:E3:24:ALA:O	5:E3:25:SER:HB3	2.06	0.56
6:F3:76:TRP:NE1	14:F3:202:CLA:HBD	2.21	0.56
1:A4:360:LEU:HD13	14:A4:829:CLA:HBB1	1.87	0.56
2:B4:668:MET:SD	14:B4:805:CLA:NC	2.79	0.56
1:A6:196:MET:CE	14:A6:1625:CLA:H142	2.36	0.56
14:B6:803:CLA:H43	14:B6:832:CLA:HAA2	1.88	0.56
2:B5:271:ASP:HB3	14:B5:1819:CLA:HMA1	1.88	0.56
16:L5:201:BCR:H363	14:L5:204:CLA:CBA	2.35	0.56
14:A1:839:CLA:H171	10:L1:85:LEU:HD11	1.88	0.56
2:B1:466:ILE:CG1	14:B1:838:CLA:H43	2.36	0.56
1:A2:377:MET:N	1:A2:378:PRO:HD3	2.21	0.56
2:B2:140:PHE:CE2	2:B2:144:LEU:HD11	2.40	0.56
2:B2:554:PRO:HD2	3:C2:61:PHE:CZ	2.40	0.56
11:M2:24:ARG:NH2	14:L3:202:CLA:HED2	2.17	0.56
14:A4:853:CLA:HAA2	14:B5:1801:CLA:CAA	2.36	0.56
2:B4:43:GLN:OE1	2:B4:161:ARG:NH2	2.39	0.56
2:B4:116:TYR:HA	2:B4:370:THR:HG22	1.86	0.56
2:B4:589:MET:HE2	2:B4:590:LEU:HD23	1.87	0.56
2:B6:275:HIS:HB2	14:B6:817:CLA:CHB	2.36	0.56
14:A5:828:CLA:H93	16:J5:103:BCR:H361	1.88	0.56
2:B1:117:SER:HA	14:B1:828:CLA:HMA2	1.88	0.55
2:B1:186:SER:HB2	14:B1:819:CLA:HMC3	1.89	0.55
2:B1:279:ILE:CD1	14:B1:818:CLA:HBC3	2.35	0.55
2:B1:346:VAL:HG21	16:B1:847:BCR:H362	1.88	0.55
14:A2:1641:CLA:H43	14:B2:831:CLA:HAA2	1.88	0.55
2:B3:294:PHE:HE1	14:B3:1814:CLA:HMA1	1.72	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B4:376:THR:HG23	2:B4:597:THR:HG21	1.87	0.55
2:B4:480:LEU:O	2:B4:482:SER:N	2.38	0.55
6:F4:65:ILE:HB	6:F4:66:PRO:HD3	1.88	0.55
1:A5:207:LEU:HD22	16:A5:846:BCR:H361	1.88	0.55
1:A5:564:ARG:O	4:D5:60:ARG:NH1	2.37	0.55
6:F5:78:GLY:HA3	16:F5:1302:BCR:HC31	1.88	0.55
8:J5:28:GLU:HG3	14:J5:101:CLA:C1B	2.36	0.55
2:B1:500:LEU:O	2:B1:504:LEU:HG	2.06	0.55
2:B1:668:MET:HB2	14:B1:806:CLA:C1C	2.36	0.55
2:B1:693:LEU:HD11	10:L1:34:LEU:HD23	1.88	0.55
15:B1:842:PQN:H141	14:I1:101:CLA:HBB2	1.87	0.55
1:A2:387:TYR:CE2	1:A2:622:TRP:CD1	2.95	0.55
3:C2:20:CYS:SG	18:C2:101:SF4:S3	3.04	0.55
12:X2:26:VAL:HB	14:X2:1701:CLA:HED1	1.89	0.55
2:B3:192:HIS:HE1	14:B3:1816:CLA:C1A	2.19	0.55
16:A4:849:BCR:H403	16:A4:849:BCR:H23C	1.87	0.55
6:F6:65:ILE:HB	6:F6:66:PRO:HD3	1.88	0.55
2:B5:173:ARG:NH1	14:B5:1815:CLA:HMD2	2.22	0.55
2:B5:425:LEU:HG	14:B5:1841:CLA:CBB	2.36	0.55
7:I1:30:LEU:HD13	16:I1:103:BCR:HC8	1.86	0.55
1:A2:40:ARG:HA	13:P2:60:SER:HB2	1.88	0.55
1:A2:86:TRP:HA	14:A2:1609:CLA:CBB	2.36	0.55
1:A2:583:ARG:HA	3:C2:76:MET:C	2.26	0.55
14:B2:826:CLA:HBC3	19:B2:848:LMG:H421	1.89	0.55
3:C2:16:CYS:SG	3:C2:17:VAL:N	2.79	0.55
1:A3:399:TRP:NE1	14:A3:828:CLA:HAB	2.21	0.55
10:L3:62:TRP:CE3	10:L3:81:SER:HB2	2.41	0.55
16:L3:201:BCR:H363	14:L3:203:CLA:CBA	2.36	0.55
1:A6:356:LEU:O	1:A6:360:LEU:HB2	2.07	0.55
2:B6:386:MET:HE1	16:B6:847:BCR:H361	1.89	0.55
8:J6:12:PRO:HA	14:J6:1101:CLA:HED1	1.89	0.55
4:D5:39:PHE:CE1	4:D5:67:LEU:HD11	2.41	0.55
1:A1:207:LEU:HD13	16:A1:843:BCR:H362	1.88	0.55
2:B1:185:SER:HB3	14:B1:819:CLA:HBC1	1.89	0.55
1:A2:352:TRP:HB3	14:A2:1607:CLA:HAC1	1.88	0.55
14:A2:1604:CLA:H2	2:B2:434:PHE:CE2	2.42	0.55
14:B2:806:CLA:H102	16:I2:101:BCR:HC31	1.89	0.55
1:A3:83:VAL:HG11	14:A3:805:CLA:H72	1.89	0.55
14:B3:1829:CLA:HBC3	19:B3:1850:LMG:H421	1.87	0.55
3:C3:15:GLN:OE1	13:P3:64:PHE:CE2	2.60	0.55
1:A4:40:ARG:HH12	13:P4:63:SER:HB3	1.71	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A4:470:ARG:NH1	2:B4:94:GLN:O	2.38	0.55
2:B4:360:PRO:HG3	14:B4:820:CLA:CBA	2.36	0.55
10:L4:62:TRP:CE2	14:L4:201:CLA:H12	2.42	0.55
1:A6:587:CYS:O	2:B6:675:GLY:CA	2.54	0.55
16:A6:1648:BCR:H403	16:A6:1648:BCR:H23C	1.87	0.55
10:L6:61:PRO:HB3	14:L6:208:CLA:HBB1	1.89	0.55
1:A5:367:SER:OG	1:A5:397:HIS:O	2.24	0.55
14:A5:839:CLA:H43	14:B5:1834:CLA:HAA2	1.88	0.55
2:B5:458:ILE:N	2:B5:458:ILE:HD12	2.22	0.55
7:I5:21:LEU:O	7:I5:22:MET:C	2.45	0.55
8:J5:21:ILE:O	14:J5:101:CLA:HBB2	2.06	0.55
8:J5:27:ILE:HG21	16:J5:104:BCR:H343	1.89	0.55
10:L5:139:LEU:HD23	14:L5:206:CLA:H42	1.88	0.55
1:A1:79:HIS:CE1	14:A1:804:CLA:CMA	2.89	0.55
2:B1:289:MET:HE1	14:B1:823:CLA:HMD3	1.87	0.55
2:B2:433:GLY:HA2	2:B2:531:LEU:HD22	1.88	0.55
4:D2:42:PRO:HD3	4:D2:67:LEU:HD13	1.87	0.55
1:A3:120:ILE:O	1:A3:123:GLN:HG2	2.06	0.55
1:A3:651:ARG:NE	1:A3:652:ASP:OD2	2.39	0.55
14:B3:1825:CLA:HBB1	14:B3:1832:CLA:HMD2	1.87	0.55
10:L3:79:LEU:HD22	10:L3:136:PHE:CD2	2.41	0.55
2:B4:696:LEU:HD11	10:L4:36:ALA:HB1	1.88	0.55
11:M4:28:GLU:HA	11:M4:28:GLU:OE2	2.07	0.55
16:A5:850:BCR:H402	14:B5:1802:CLA:H142	1.88	0.55
2:B5:122:TRP:CD1	2:B5:361:TYR:CZ	2.95	0.55
2:B5:398:VAL:CG2	2:B5:547:ALA:HB1	2.37	0.55
2:B5:467:GLN:NE2	14:B5:1839:CLA:OBD	2.35	0.55
14:B5:1842:CLA:HBB2	15:B5:1844:PQN:H141	1.87	0.55
1:A1:436:HIS:NE2	1:A1:440:ILE:HD11	2.22	0.55
2:B1:318:PHE:CE1	16:B1:846:BCR:H353	2.42	0.55
11:M1:29:LEU:O	11:M1:30:TYR:HB2	2.07	0.55
14:B2:806:CLA:HMD3	7:I2:10:LEU:HD23	1.89	0.55
14:B2:809:CLA:H42	10:L2:81:SER:HA	1.87	0.55
1:A3:300:HIS:HE2	14:A3:819:CLA:C2B	2.18	0.55
1:A3:682:ILE:HD11	16:A3:852:BCR:C15	2.37	0.55
2:B3:434:PHE:CE2	14:B3:1802:CLA:C2	2.90	0.55
11:M3:29:LEU:O	11:M3:30:TYR:HB2	2.07	0.55
1:A4:377:MET:N	1:A4:378:PRO:HD3	2.21	0.55
1:A4:439:ALA:HA	2:B4:686:TRP:CZ3	2.41	0.55
1:A6:198:ASN:OD1	1:A6:315:TYR:HD1	1.89	0.55
14:A5:801:CLA:C1A	14:B5:1803:CLA:HAB	2.37	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B5:181:LEU:HD13	14:B5:1815:CLA:HBB	1.89	0.55
6:F5:69:LEU:HB2	14:J5:102:CLA:CBB	2.36	0.55
1:A1:58:PHE:CD1	14:A1:804:CLA:HMC2	2.42	0.55
1:A1:259:GLY:O	1:A1:261:PHE:N	2.39	0.55
2:B1:229:TRP:HB2	14:B1:817:CLA:C1	2.29	0.55
2:B1:278:ALA:HB1	14:B1:817:CLA:HBC2	1.89	0.55
10:L2:77:GLY:O	10:L2:81:SER:OG	2.14	0.55
14:A3:801:CLA:C1A	14:B3:1803:CLA:HAB	2.37	0.55
14:A3:840:CLA:H43	14:B3:1834:CLA:HAA2	1.89	0.55
2:B3:467:GLN:NE2	14:B3:1839:CLA:OBD	2.40	0.55
1:A4:455:SER:OG	1:A4:456:PHE:N	2.38	0.55
16:A4:849:BCR:H402	14:B4:802:CLA:H142	1.88	0.55
2:B4:125:THR:CG2	14:B4:820:CLA:HED1	2.37	0.55
2:B5:446:VAL:HG13	2:B5:451:THR:O	2.07	0.55
2:B5:622:LEU:HD13	14:B5:1804:CLA:HMA1	1.88	0.55
6:F5:65:ILE:HD12	14:J5:102:CLA:HMB3	1.87	0.55
1:A1:83:VAL:HG11	14:A1:804:CLA:H72	1.88	0.55
1:A1:675:LEU:HD11	14:A1:827:CLA:H143	1.88	0.55
2:B1:59:TRP:NE1	14:B1:828:CLA:OBD	2.33	0.55
14:B1:854:CLA:HHC	14:B1:854:CLA:HBB1	1.88	0.55
5:E2:39:ARG:NH2	13:P2:81:TYR:OH	2.37	0.55
1:A3:259:GLY:O	1:A3:261:PHE:N	2.39	0.55
2:B3:153:TRP:HZ3	14:B3:1801:CLA:H62	1.71	0.55
2:B3:176:HIS:HB3	14:B3:1815:CLA:CHC	2.37	0.55
1:A4:360:LEU:CD1	14:A4:829:CLA:HBB1	2.37	0.55
14:A6:1603:CLA:H142	16:A6:1648:BCR:H402	1.89	0.55
14:B6:810:CLA:HHC	14:B6:810:CLA:HBB1	1.89	0.55
18:A5:854:SF4:S3	2:B5:574:CYS:SG	3.03	0.55
2:B5:372:ALA:HB1	2:B5:731:LEU:HD11	1.88	0.55
2:B5:532:GLY:HA2	2:B5:588:TRP:CZ3	2.42	0.55
1:A1:199:HIS:ND1	14:A1:812:CLA:HMC2	2.22	0.55
2:B1:173:ARG:HG2	14:B1:825:CLA:OBD	2.07	0.55
2:B1:279:ILE:HD13	14:B1:818:CLA:HBC2	1.87	0.55
2:B2:229:TRP:HB2	14:B2:815:CLA:C1	2.22	0.55
2:B2:716:LEU:O	2:B2:720:SER:OG	2.24	0.55
6:F2:70:PHE:CD1	16:F2:201:BCR:H321	2.42	0.55
1:A3:79:HIS:NE2	14:A3:805:CLA:HMA1	2.22	0.55
1:A3:300:HIS:HE2	14:A3:819:CLA:C1B	2.20	0.55
1:A3:706:TRP:CD1	2:B3:419:GLU:HG3	2.42	0.55
2:B3:116:TYR:HA	2:B3:370:THR:HG22	1.88	0.55
3:C3:13:CYS:HB3	13:P3:39:SER:OG	2.06	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B4:21:TRP:CZ2	14:B4:842:CLA:HMB1	2.42	0.55
2:B4:300:ILE:HD13	14:B4:826:CLA:CAC	2.37	0.55
1:A6:352:TRP:CE2	14:A6:1625:CLA:H18	2.42	0.55
5:E6:59:ASN:OD1	5:E6:59:ASN:N	2.39	0.55
10:L6:129:MET:SD	16:L5:201:BCR:H371	2.47	0.55
2:B5:340:HIS:HD2	14:B5:1807:CLA:OBD	1.90	0.55
2:B5:642:ASN:HB2	2:B5:643:PRO:CD	2.37	0.55
2:B1:53:LEU:HD11	14:B1:807:CLA:CGA	2.35	0.55
2:B1:61:SER:OG	2:B1:138:ALA:O	2.25	0.55
2:B2:52:HIS:NE2	14:B2:804:CLA:HMA1	2.22	0.55
1:A3:121:VAL:HB	14:B3:1835:CLA:HMD1	1.89	0.55
14:A3:843:CLA:C15	10:L3:85:LEU:HD21	2.37	0.55
2:B3:642:ASN:HB2	2:B3:643:PRO:CD	2.37	0.55
14:A4:853:CLA:HAA2	14:B5:1801:CLA:HAA2	1.89	0.55
2:B4:282:LEU:HD12	14:B4:821:CLA:HMC1	1.89	0.55
14:B4:842:CLA:HBB2	15:B4:844:PQN:H141	1.89	0.55
1:A6:360:LEU:HD11	14:A6:1630:CLA:HBB1	1.88	0.55
14:A6:1640:CLA:H172	8:J6:19:MET:HG3	1.89	0.55
2:B6:212:LEU:HD21	16:B6:845:BCR:H341	1.89	0.55
1:A5:587:CYS:HB2	2:B5:673:TRP:HB2	1.88	0.55
3:C5:28:VAL:HG12	4:D5:109:ARG:HB3	1.89	0.55
1:A1:352:TRP:CZ3	14:A1:824:CLA:H112	2.41	0.54
2:B1:45:ILE:HD12	14:B1:807:CLA:C1C	2.37	0.54
2:B1:122:TRP:CZ2	14:B1:814:CLA:C20	2.80	0.54
2:B1:233:ALA:O	2:B1:234:GLN:O	2.25	0.54
2:B1:447:VAL:HG11	2:B1:621:TYR:CE1	2.42	0.54
1:A2:694:ARG:HD3	2:B2:572:GLY:HA3	1.89	0.54
2:B2:288:HIS:CE1	16:B2:842:BCR:H363	2.42	0.54
2:B2:398:VAL:CG2	2:B2:547:ALA:HB1	2.37	0.54
2:B2:724:ILE:HG23	14:B2:826:CLA:CBB	2.36	0.54
14:B2:827:CLA:H51	16:B2:844:BCR:H392	1.89	0.54
3:C2:10:CYS:SG	18:C2:102:SF4:S3	2.99	0.54
1:A4:308:PHE:HE2	14:A4:820:CLA:HAB	1.71	0.54
9:K4:73:VAL:CA	14:K4:1401:CLA:HBB1	2.33	0.54
2:B6:304:MET:HG3	2:B6:322:HIS:O	2.07	0.54
1:A5:443:HIS:CD2	14:A5:831:CLA:HMB1	2.42	0.54
1:A1:36:ARG:HH12	13:P1:70:ILE:CB	2.14	0.54
2:B1:446:VAL:HG13	2:B1:451:THR:O	2.07	0.54
10:L1:41:LEU:HD21	10:L3:98:LEU:HD21	1.88	0.54
1:A2:440:ILE:HG12	14:A2:1633:CLA:CHC	2.36	0.54
2:B2:622:LEU:HD11	14:B2:801:CLA:H202	1.90	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B2:839:CLA:HBB2	15:B2:841:PQN:H141	1.89	0.54
2:B3:347:ILE:CG2	14:B3:1826:CLA:H43	2.37	0.54
14:B3:1812:CLA:HHC	14:B3:1812:CLA:HBB1	1.90	0.54
6:F3:95:ASN:H	6:F3:95:ASN:HD22	1.56	0.54
1:A4:440:ILE:HG12	14:A4:830:CLA:CHC	2.37	0.54
14:B4:843:CLA:H171	7:I4:24:THR:HG23	1.89	0.54
10:L4:79:LEU:HD22	10:L4:136:PHE:CD2	2.42	0.54
10:L4:117:TRP:O	10:L4:121:THR:OG1	2.20	0.54
14:B6:840:CLA:HBB2	15:B6:842:PQN:H141	1.88	0.54
1:A1:589:VAL:HG13	2:B1:675:GLY:HA3	1.88	0.54
1:A2:399:TRP:NE1	14:A2:1630:CLA:HAB	2.22	0.54
2:B2:642:ASN:HB2	2:B2:643:PRO:CD	2.37	0.54
14:B2:809:CLA:HHC	14:B2:809:CLA:HBB1	1.90	0.54
2:B3:598:PHE:CE1	14:B3:1803:CLA:HED2	2.42	0.54
1:A4:215:HIS:HB2	14:A4:813:CLA:C1C	2.38	0.54
2:B4:514:LEU:HD12	14:B4:828:CLA:CMC	2.37	0.54
1:A6:691:PHE:HB2	14:A6:1603:CLA:HBC2	1.89	0.54
6:F6:103:VAL:HB	6:F6:104:PRO:HD3	1.89	0.54
2:B5:261:HIS:CD2	2:B5:263:GLN:H	2.24	0.54
2:B5:541:VAL:O	2:B5:545:LEU:HG	2.08	0.54
10:L5:89:ALA:HB1	16:L5:207:BCR:H401	1.88	0.54
1:A1:270:PHE:CD1	14:A1:840:CLA:HMD2	2.42	0.54
1:A1:587:CYS:HB2	2:B1:673:TRP:HB3	1.88	0.54
14:A1:801:CLA:C1A	14:B1:804:CLA:HAB	2.38	0.54
1:A2:189:TRP:CZ2	14:A2:1615:CLA:CAC	2.89	0.54
2:B2:42:TYR:CZ	2:B2:333:LEU:HD21	2.42	0.54
2:B2:304:MET:HG3	2:B2:322:HIS:O	2.06	0.54
8:J2:27:ILE:CG2	16:J2:103:BCR:H343	2.38	0.54
2:B3:373:ALA:HB1	14:B3:1829:CLA:HMA1	1.89	0.54
2:B4:446:VAL:HG13	2:B4:451:THR:O	2.07	0.54
1:A6:90:MET:HE3	14:A6:1608:CLA:HED2	1.89	0.54
14:B6:810:CLA:H11	10:L5:148:ILE:HD13	1.88	0.54
10:L6:31:ILE:HD13	10:L6:34:LEU:HD22	1.88	0.54
2:B5:233:ALA:O	2:B5:234:GLN:O	2.26	0.54
10:L5:92:CYS:HB3	16:L5:207:BCR:C19	2.37	0.54
2:B1:272:MET:SD	14:B1:819:CLA:HMA2	2.48	0.54
6:F1:78:GLY:HA3	16:F1:1302:BCR:HC31	1.88	0.54
14:L1:207:CLA:H91	14:B3:1812:CLA:H101	1.88	0.54
1:A3:651:ARG:NH2	2:B3:643:PRO:HD3	2.22	0.54
2:B3:281:VAL:HG22	16:B3:1845:BCR:H353	1.90	0.54
2:B3:382:ALA:O	2:B3:386:MET:HG2	2.07	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A4:744:TRP:HB2	14:A4:827:CLA:HBB1	1.90	0.54
2:B4:535:THR:HG23	14:B4:802:CLA:HBD	1.89	0.54
1:A5:470:ARG:NH1	2:B5:94:GLN:O	2.40	0.54
8:J5:24:GLY:HA3	14:J5:101:CLA:CBB	2.34	0.54
1:A2:587:CYS:O	2:B2:675:GLY:CA	2.56	0.54
2:B2:60:VAL:HG21	14:B2:827:CLA:H42	1.90	0.54
14:B2:832:CLA:H122	6:F2:69:LEU:HD11	1.90	0.54
2:B3:45:ILE:HD12	14:B3:1807:CLA:C2C	2.38	0.54
2:B3:188:ALA:CB	14:B3:1830:CLA:H202	2.38	0.54
2:B3:414:VAL:HA	2:B3:417:HIS:CE1	2.42	0.54
2:B3:531:LEU:HD11	14:B3:1802:CLA:O1A	2.07	0.54
14:B3:1806:CLA:C2	11:M3:26:SER:HB2	2.37	0.54
1:A4:547:HIS:CE1	14:A4:837:CLA:NA	2.75	0.54
14:B4:812:CLA:HHC	14:B4:812:CLA:HBB1	1.90	0.54
14:B4:852:CLA:H61	14:B4:852:CLA:HBD	1.89	0.54
5:E4:37:ILE:HD13	13:P4:41:ARG:HD2	1.86	0.54
12:X4:23:ASN:HD21	14:X4:102:CLA:C4D	2.21	0.54
1:A6:399:TRP:CD1	14:A6:1628:CLA:HAB	2.42	0.54
2:B6:375:TYR:CE2	2:B6:600:TRP:CD1	2.95	0.54
2:B5:24:ILE:HA	14:B5:1806:CLA:HMD3	1.89	0.54
1:A1:313:HIS:NE2	16:A1:842:BCR:H363	2.22	0.54
2:B1:211:PHE:HB3	14:B1:815:CLA:HMD3	1.89	0.54
2:B1:493:PRO:HG3	14:B1:837:CLA:CHD	2.37	0.54
7:I1:21:LEU:O	7:I1:25:VAL:HG23	2.08	0.54
1:A2:587:CYS:O	2:B2:675:GLY:HA3	2.08	0.54
2:B2:630:LEU:CD1	14:B2:801:CLA:H93	2.38	0.54
1:A3:297:THR:O	1:A3:300:HIS:HB3	2.07	0.54
2:B3:256:PHE:CE1	14:B3:1819:CLA:CAB	2.87	0.54
5:E3:3:ARG:HH12	13:P3:31:GLU:CB	2.08	0.54
1:A4:564:ARG:HB3	3:C4:79:ALA:HB3	1.90	0.54
2:B4:141:LEU:HD23	2:B4:144:LEU:HD12	1.88	0.54
4:D4:39:PHE:CE1	4:D4:67:LEU:HD11	2.43	0.54
14:B6:810:CLA:H42	10:L6:81:SER:HA	1.90	0.54
3:C6:33:CYS:SG	3:C6:34:LYS:N	2.80	0.54
1:A5:655:TRP:CD1	2:B5:631:TRP:CD1	2.96	0.54
1:A1:204:LEU:HD11	14:A1:828:CLA:H141	1.89	0.54
2:B1:1:ALA:O	7:I1:38:ALA:N	2.41	0.54
5:E2:15:TYR:CE2	5:E2:44:ASN:HA	2.42	0.54
1:A3:444:LEU:HB2	14:A3:839:CLA:CBB	2.37	0.54
2:B3:599:TYR:HD2	14:B3:1839:CLA:HMC2	1.72	0.54
14:B3:1842:CLA:HBB2	15:B3:1844:PQN:H141	1.89	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
9:K3:73:VAL:HA	14:K3:1401:CLA:HBB1	1.90	0.54
14:B4:830:CLA:H51	16:B4:847:BCR:H392	1.89	0.54
7:I4:29:LEU:CD2	14:L6:206:CLA:HBC3	2.38	0.54
11:M4:21:LEU:HD21	14:A6:1601:CLA:HMA1	1.90	0.54
2:B6:7:PHE:CD1	2:B6:33:HIS:CD2	2.95	0.54
10:L6:145:VAL:HA	10:L6:148:ILE:HD12	1.90	0.54
1:A5:313:HIS:CE1	16:A5:845:BCR:C36	2.82	0.54
2:B5:50:PHE:CD1	2:B5:152:GLY:HA2	2.42	0.54
2:B1:289:MET:CE	14:B1:823:CLA:HMD3	2.38	0.54
2:B1:398:VAL:CG2	2:B1:547:ALA:HB1	2.38	0.54
6:F1:103:VAL:HB	6:F1:104:PRO:HD3	1.90	0.54
10:L1:79:LEU:HD22	10:L1:136:PHE:CG	2.43	0.54
5:E2:3:ARG:HH12	13:P2:31:GLU:HB2	1.72	0.54
16:A3:852:BCR:H402	14:B3:1802:CLA:H142	1.89	0.54
2:B3:188:ALA:HA	14:B3:1817:CLA:CBB	2.38	0.54
2:B3:688:HIS:HE1	2:B3:697:VAL:O	1.90	0.54
10:L3:57:PHE:HB2	14:L3:205:CLA:C4C	2.38	0.54
2:B4:479:THR:O	2:B4:480:LEU:O	2.26	0.54
2:B4:693:LEU:HD12	14:L4:204:CLA:H11	1.89	0.54
1:A6:50:ASN:OD1	17:A6:1649:LHG:HC11	2.07	0.54
2:B6:278:ALA:HB2	14:B6:817:CLA:CBB	2.35	0.54
2:B6:479:THR:O	2:B6:480:LEU:O	2.26	0.54
6:F6:88:VAL:HG11	6:F6:97:LYS:HB2	1.90	0.54
14:A5:808:CLA:H112	14:A5:830:CLA:H203	1.90	0.54
1:A1:269:THR:O	1:A1:270:PHE:HB2	2.08	0.54
2:B1:654:TRP:CZ2	14:B1:801:CLA:H72	2.43	0.54
1:A2:468:PHE:CZ	14:B2:808:CLA:CHC	2.91	0.54
2:B2:390:PHE:CZ	14:B2:824:CLA:HAB	2.43	0.54
2:B3:662:VAL:HG22	14:B3:1843:CLA:HMB3	1.88	0.54
14:B3:1801:CLA:H61	14:B3:1801:CLA:HBD	1.90	0.54
1:A4:50:ASN:OD1	17:A4:850:LHG:HC11	2.07	0.54
1:A4:221:LEU:HD11	1:A4:295:SER:HA	1.89	0.54
2:B4:59:TRP:HB2	14:B4:810:CLA:H192	1.90	0.54
7:I4:20:TRP:CD2	16:I4:102:BCR:HC31	2.43	0.54
1:A6:84:PHE:CE1	14:A6:1605:CLA:H91	2.42	0.54
2:B6:233:ALA:O	2:B6:234:GLN:O	2.26	0.54
14:B6:832:CLA:CBB	14:B6:833:CLA:HMB2	2.38	0.54
10:L6:46:ARG:O	10:L6:50:VAL:HG23	2.07	0.54
1:A5:590:SER:OG	1:A5:593:ASP:OD2	2.24	0.54
2:B5:61:SER:OG	2:B5:138:ALA:O	2.26	0.54
2:B5:150:PHE:CZ	14:B5:1801:CLA:H2	2.43	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B5:433:GLY:HA2	2:B5:531:LEU:HD22	1.89	0.54
8:J5:27:ILE:HG21	16:J5:104:BCR:C34	2.37	0.54
8:J5:31:ARG:CD	16:J5:104:BCR:H312	2.26	0.54
1:A1:377:MET:N	1:A1:378:PRO:HD3	2.24	0.53
1:A1:484:PRO:HB3	14:A1:835:CLA:HED3	1.90	0.53
2:B1:431:PHE:HA	14:B1:833:CLA:O1D	2.07	0.53
2:B1:494:ASN:HB3	14:B1:837:CLA:O1D	2.08	0.53
14:B1:829:CLA:H51	16:B1:845:BCR:H392	1.89	0.53
14:A2:1610:CLA:H112	14:A2:1632:CLA:H203	1.90	0.53
2:B3:181:LEU:HD21	14:B3:1815:CLA:H12	1.90	0.53
3:C3:16:CYS:SG	3:C3:17:VAL:N	2.81	0.53
1:A4:583:ARG:HA	3:C4:76:MET:HA	1.90	0.53
2:B4:340:HIS:HD2	14:B4:807:CLA:OBD	1.90	0.53
1:A6:259:GLY:C	1:A6:261:PHE:H	2.12	0.53
1:A6:280:THR:OG1	1:A6:296:ASP:OD1	2.17	0.53
1:A6:385:THR:HG23	1:A6:523:LYS:HB2	1.90	0.53
2:B6:289:MET:HG3	14:B6:821:CLA:C4C	2.38	0.53
5:E6:3:ARG:HH12	13:P6:31:GLU:HB2	1.74	0.53
2:B5:625:TRP:HB3	14:B5:1803:CLA:H91	1.90	0.53
2:B1:319:ASN:ND2	17:B1:851:LHG:O4	2.39	0.53
2:B1:430:LEU:HD11	16:B1:848:BCR:H403	1.90	0.53
6:F1:69:LEU:HB2	14:J1:102:CLA:HBB1	1.91	0.53
1:A2:194:GLU:HG2	1:A2:315:TYR:HB3	1.90	0.53
1:A2:308:PHE:HE2	14:A2:1623:CLA:HAB	1.73	0.53
2:B2:532:GLY:HA2	2:B2:588:TRP:CZ3	2.43	0.53
1:A3:377:MET:N	1:A3:378:PRO:HD3	2.23	0.53
1:A3:387:TYR:CE2	1:A3:622:TRP:CD1	2.96	0.53
1:A3:396:HIS:HE2	14:A3:829:CLA:C1B	2.21	0.53
3:C3:14:THR:HG22	3:C3:27:MET:HG3	1.90	0.53
2:B4:174:LEU:HD11	14:B4:826:CLA:CHD	2.38	0.53
2:B4:458:ILE:HD12	2:B4:458:ILE:N	2.23	0.53
9:K4:40:GLY:O	9:K4:41:PRO:C	2.45	0.53
2:B5:339:TRP:HZ2	14:B5:1826:CLA:CAB	2.19	0.53
2:B5:625:TRP:CH2	14:B5:1803:CLA:H142	2.43	0.53
1:A1:587:CYS:HB2	2:B1:673:TRP:CB	2.38	0.53
16:A1:847:BCR:H402	14:B1:802:CLA:H142	1.89	0.53
2:B1:642:ASN:HB2	2:B1:643:PRO:CD	2.38	0.53
1:A2:681:PHE:CD2	16:A2:1652:BCR:H363	2.43	0.53
1:A3:231:VAL:O	1:A3:232:ALA:CB	2.57	0.53
14:A3:834:CLA:H12	10:L3:62:TRP:CE2	2.43	0.53
2:B3:599:TYR:CZ	14:B3:1839:CLA:HBC2	2.44	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B3:1831:CLA:H143	19:B3:1850:LMG:H231	1.90	0.53
1:A4:86:TRP:HE1	14:A4:807:CLA:HBA1	1.74	0.53
14:A6:1608:CLA:H112	14:A6:1630:CLA:H203	1.90	0.53
2:B6:70:GLN:OE1	2:B6:88:HIS:HB2	2.08	0.53
1:A5:204:LEU:HD11	14:A5:829:CLA:H141	1.89	0.53
1:A5:675:LEU:HD11	14:A5:828:CLA:H143	1.90	0.53
2:B5:157:GLN:O	2:B5:161:ARG:HG3	2.07	0.53
2:B5:173:ARG:HH11	14:B5:1815:CLA:HMD2	1.73	0.53
1:A1:445:ASN:HD22	2:B1:680:LEU:HD11	1.73	0.53
2:B1:45:ILE:CD1	14:B1:807:CLA:HMC2	2.38	0.53
2:B1:402:ASP:O	2:B1:406:ASN:OD1	2.26	0.53
14:A2:1604:CLA:H142	16:A2:1652:BCR:H402	1.90	0.53
2:B2:479:THR:O	2:B2:480:LEU:O	2.26	0.53
1:A3:353:HIS:CD2	14:A3:805:CLA:HBC1	2.44	0.53
3:C3:28:VAL:HG12	4:D3:109:ARG:HB3	1.89	0.53
2:B4:52:HIS:CE1	14:B4:807:CLA:CMA	2.91	0.53
4:D4:60:ARG:N	4:D4:63:GLN:OE1	2.42	0.53
1:A6:683:TRP:CE2	14:A6:1602:CLA:HBA2	2.43	0.53
2:B6:493:PRO:HG3	14:B6:836:CLA:C1D	2.38	0.53
1:A5:121:VAL:HB	14:B5:1835:CLA:HMD1	1.89	0.53
2:B5:304:MET:HG3	2:B5:322:HIS:O	2.08	0.53
2:B5:625:TRP:CB	14:B5:1803:CLA:H91	2.38	0.53
1:A1:439:ALA:HA	2:B1:686:TRP:CZ3	2.44	0.53
1:A1:601:TRP:HH2	14:B1:801:CLA:HBB1	1.73	0.53
2:B1:179:ALA:HB2	2:B1:287:GLY:HA3	1.91	0.53
2:B1:208:TRP:CD1	14:B1:815:CLA:CAD	2.92	0.53
10:L2:62:TRP:HZ2	16:L2:203:BCR:C34	2.21	0.53
2:B3:48:SER:HG	14:B3:1807:CLA:HBB1	1.69	0.53
2:B4:532:GLY:HA2	2:B4:588:TRP:HZ3	1.73	0.53
2:B4:680:LEU:O	2:B4:684:LEU:HG	2.09	0.53
2:B6:25:ALA:HA	14:B6:829:CLA:H42	1.91	0.53
11:M6:31:LYS:OXT	14:M6:1201:CLA:O1D	2.27	0.53
8:J5:12:PRO:HB2	16:J5:104:BCR:H391	1.91	0.53
1:A1:71:LYS:HZ3	14:A1:810:CLA:HED2	1.72	0.53
1:A1:272:TRP:CD1	14:A1:816:CLA:HMB2	2.43	0.53
1:A1:612:HIS:ND1	14:A1:834:CLA:HMC2	2.24	0.53
2:B1:275:HIS:HE1	14:B1:818:CLA:C1D	2.21	0.53
2:B1:442:HIS:CE1	14:B1:834:CLA:C4D	2.90	0.53
2:B1:539:ILE:HG12	14:B1:802:CLA:CMD	2.39	0.53
2:B1:738:LYS:O	2:B1:739:PHE:CB	2.57	0.53
14:B1:854:CLA:H203	14:L2:207:CLA:HMD1	1.91	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:D1:10:TYR:HH	4:D1:13:SER:HG	1.55	0.53
1:A3:660:GLN:HG2	1:A3:753:SER:HB3	1.91	0.53
1:A3:741:ALA:HB2	16:A3:852:BCR:H323	1.91	0.53
2:B3:479:THR:O	2:B3:480:LEU:O	2.27	0.53
2:B3:537:THR:HG21	14:B3:1827:CLA:CBB	2.39	0.53
4:D3:43:THR:O	4:D3:44:ALA:HB3	2.09	0.53
1:A4:681:PHE:CG	16:A4:849:BCR:H363	2.43	0.53
1:A6:196:MET:HE1	14:A6:1625:CLA:H142	1.89	0.53
1:A6:231:VAL:O	1:A6:232:ALA:CB	2.56	0.53
3:C6:65:ARG:HG2	3:C6:67:TYR:CZ	2.44	0.53
2:B5:664:ALA:HB3	14:B5:1805:CLA:CBB	2.38	0.53
10:L5:52:MET:HE2	14:L5:204:CLA:H2A	1.90	0.53
2:B1:150:PHE:HZ	14:B1:853:CLA:H2	1.72	0.53
2:B1:227:GLY:O	14:B1:817:CLA:H42	2.09	0.53
2:B1:230:GLY:CA	14:B1:817:CLA:CBA	2.87	0.53
10:L1:58:LEU:HD13	10:L1:85:LEU:HD12	1.91	0.53
2:B2:458:ILE:N	2:B2:458:ILE:HD12	2.24	0.53
14:B2:831:CLA:CBB	14:B2:832:CLA:HMB2	2.39	0.53
1:A3:189:TRP:CZ2	14:A3:810:CLA:HMA1	2.43	0.53
2:B3:503:TRP:CE3	14:B3:1819:CLA:H11	2.43	0.53
9:K3:40:GLY:O	9:K3:41:PRO:C	2.46	0.53
12:X3:9:TYR:HA	17:X3:101:LHG:O1	2.08	0.53
14:A4:801:CLA:C1A	14:B4:803:CLA:HAB	2.39	0.53
2:B4:189:TRP:CZ3	2:B4:192:HIS:CD2	2.96	0.53
14:A6:1602:CLA:C1A	14:B6:804:CLA:HAB	2.38	0.53
14:B6:810:CLA:H91	14:L5:206:CLA:H93	1.91	0.53
9:K6:40:GLY:O	9:K6:41:PRO:C	2.47	0.53
2:B5:179:ALA:HB2	2:B5:287:GLY:HA3	1.91	0.53
2:B5:463:ALA:HB2	14:B5:1840:CLA:O2D	2.09	0.53
14:B5:1801:CLA:H61	14:B5:1801:CLA:HBD	1.90	0.53
2:B1:592:THR:O	2:B1:596:VAL:HG13	2.09	0.53
3:C1:37:GLN:NE2	4:D1:105:VAL:HG22	2.24	0.53
5:E2:39:ARG:CZ	13:P2:24:TYR:CE2	2.92	0.53
8:J2:21:ILE:HA	14:J2:101:CLA:HBB2	1.91	0.53
1:A3:603:TYR:OH	14:A3:801:CLA:HBA1	2.09	0.53
1:A4:28:TRP:CZ2	14:A4:803:CLA:H11	2.44	0.53
2:B4:233:ALA:O	2:B4:234:GLN:O	2.25	0.53
2:B4:593:ILE:O	2:B4:597:THR:HG23	2.09	0.53
1:A6:484:PRO:HB3	14:A6:1637:CLA:HED3	1.90	0.53
2:B6:261:HIS:HD2	2:B6:263:GLN:H	1.57	0.53
2:B6:318:PHE:CD1	14:B6:822:CLA:HAB	2.44	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
10:L6:62:TRP:HZ2	16:L6:204:BCR:C9	2.22	0.53
14:A5:843:CLA:H61	14:A5:843:CLA:HBD	1.91	0.53
2:B5:140:PHE:CE2	2:B5:144:LEU:HD11	2.43	0.53
3:C5:80:TYR:HB3	4:D5:18:LEU:HD13	1.91	0.53
1:A1:90:MET:HE2	14:A1:827:CLA:HED1	1.91	0.53
14:B1:808:CLA:H151	14:B1:808:CLA:H102	1.90	0.53
2:B2:233:ALA:O	2:B2:234:GLN:O	2.26	0.53
2:B2:428:VAL:HG12	2:B2:432:LEU:HD12	1.91	0.53
10:L2:135:ALA:O	10:L2:139:LEU:HG	2.08	0.53
1:A3:280:THR:OG1	1:A3:296:ASP:OD1	2.19	0.53
2:B3:433:GLY:HA2	2:B3:531:LEU:HD22	1.91	0.53
14:B4:812:CLA:H61	7:I4:20:TRP:CZ3	2.44	0.53
14:A6:1628:CLA:H93	16:J6:1104:BCR:H20C	1.91	0.53
6:F6:76:TRP:CH2	14:F6:202:CLA:CGA	2.92	0.53
1:A5:231:VAL:O	1:A5:232:ALA:CB	2.57	0.53
1:A5:377:MET:N	1:A5:378:PRO:HD3	2.23	0.53
2:B5:187:LEU:HD11	16:B5:1845:BCR:H342	1.91	0.53
2:B5:514:LEU:CD1	14:B5:1828:CLA:CMC	2.87	0.53
2:B5:525:VAL:CG1	14:B5:1803:CLA:H141	2.35	0.53
14:B5:1809:CLA:H41	11:M5:12:LEU:HD21	1.90	0.53
4:D5:43:THR:O	4:D5:44:ALA:HB3	2.09	0.53
6:F5:103:VAL:HG12	6:F5:107:ILE:HD11	1.91	0.53
10:L5:116:GLY:O	10:L5:117:TRP:C	2.45	0.53
1:A1:221:LEU:HB2	1:A1:222:PRO:HD3	1.90	0.53
14:A1:807:CLA:H112	14:A1:829:CLA:H203	1.91	0.53
4:D1:56:VAL:HA	10:L1:13:PHE:CZ	2.44	0.53
14:L1:207:CLA:C9	14:B3:1812:CLA:H91	2.35	0.53
1:A2:189:TRP:CZ3	14:A2:1615:CLA:HMD3	2.44	0.53
14:A2:1602:CLA:C1A	14:B2:801:CLA:HAB	2.39	0.53
2:B2:122:TRP:HZ2	14:B2:812:CLA:H191	1.74	0.53
2:B2:174:LEU:HD21	14:B2:823:CLA:C1D	2.39	0.53
2:B2:504:LEU:O	2:B2:508:ASN:ND2	2.42	0.53
6:F2:73:ILE:O	6:F2:76:TRP:HB3	2.09	0.53
2:B3:233:ALA:O	2:B3:234:GLN:O	2.26	0.53
14:B3:1830:CLA:H51	16:B3:1847:BCR:H392	1.90	0.53
8:J3:33:TYR:N	8:J3:34:PRO:HD3	2.24	0.53
2:B4:179:ALA:HB2	2:B4:287:GLY:HA3	1.91	0.53
11:M4:13:VAL:HG23	16:M4:101:BCR:H402	1.90	0.53
2:B5:479:THR:O	2:B5:480:LEU:O	2.26	0.53
2:B5:601:HIS:HB3	2:B5:629:TYR:OH	2.08	0.53
10:L5:106:SER:OG	10:L5:107:SER:N	2.41	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A1:604:ASN:ND2	14:A1:801:CLA:H201	2.23	0.52
2:B1:335:PHE:CE1	16:B1:847:BCR:H292	2.44	0.52
2:B1:430:LEU:HD11	16:B1:848:BCR:H402	1.91	0.52
2:B1:496:GLY:HA3	14:B1:836:CLA:HED2	1.91	0.52
1:A2:56:HIS:HA	1:A2:58:PHE:CE2	2.45	0.52
2:B2:390:PHE:CD1	2:B2:540:LEU:HD13	2.44	0.52
2:B2:630:LEU:HD12	14:B2:801:CLA:H93	1.92	0.52
14:B2:828:CLA:H143	19:B2:848:LMG:H231	1.91	0.52
1:A3:323:HIS:HB3	1:A3:328:ILE:HD11	1.91	0.52
1:A4:180:TYR:CE2	14:A4:810:CLA:C4D	2.92	0.52
1:A4:548:VAL:HB	1:A4:601:TRP:CZ3	2.44	0.52
2:B4:431:PHE:CZ	16:F4:204:BCR:HC41	2.44	0.52
14:B4:831:CLA:H143	19:B4:851:LMG:H231	1.91	0.52
11:M4:24:ARG:NH2	14:A6:1601:CLA:HED2	2.22	0.52
1:A6:189:TRP:CZ2	14:A6:1613:CLA:HAC2	2.44	0.52
14:B6:829:CLA:H143	19:B6:848:LMG:H231	1.91	0.52
1:A5:86:TRP:O	1:A5:90:MET:HG2	2.09	0.52
1:A5:391:LEU:O	1:A5:395:THR:HG23	2.10	0.52
2:B5:386:MET:CE	16:B5:1849:BCR:C36	2.86	0.52
14:B5:1834:CLA:CBB	14:B5:1835:CLA:HMB2	2.39	0.52
7:I5:10:LEU:N	7:I5:11:PRO:CD	2.71	0.52
11:M5:29:LEU:O	11:M5:30:TYR:HB2	2.09	0.52
1:A1:237:PRO:HB2	1:A1:242:PHE:CE1	2.44	0.52
2:B1:294:PHE:CE1	14:B1:821:CLA:HBD	2.44	0.52
2:B1:466:ILE:HD12	14:B1:838:CLA:O2A	2.09	0.52
1:A2:391:LEU:O	1:A2:395:THR:HG23	2.09	0.52
14:A2:1603:CLA:OBD	14:B2:801:CLA:HMB3	2.10	0.52
14:A3:806:CLA:H3A	14:A3:830:CLA:HAB	1.92	0.52
14:A4:807:CLA:H112	14:A4:829:CLA:H203	1.91	0.52
2:B4:457:LEU:HD12	6:F4:49:PRO:O	2.09	0.52
3:C4:24:VAL:O	3:C4:42:PRO:HD2	2.09	0.52
10:L4:48:LEU:HD11	10:L5:125:PHE:CD2	2.44	0.52
1:A6:502:ALA:N	1:A6:503:PRO:HD3	2.24	0.52
2:B6:738:LYS:O	2:B6:739:PHE:CB	2.57	0.52
1:A5:403:PHE:HB3	14:A5:806:CLA:H112	1.90	0.52
2:B5:92:ASP:HB3	2:B5:95:PHE:CE2	2.44	0.52
2:B5:481:LEU:CD1	14:B5:1836:CLA:HED3	2.38	0.52
14:A1:827:CLA:H93	16:J1:103:BCR:H20C	1.91	0.52
2:B1:386:MET:HG3	14:B1:826:CLA:C4C	2.39	0.52
14:B1:853:CLA:H61	14:B1:853:CLA:HBD	1.91	0.52
6:F1:52:VAL:HG12	6:F1:54:ASP:HB2	1.92	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B2:256:PHE:CE1	14:B2:816:CLA:HAB	2.44	0.52
2:B2:344:LEU:O	2:B2:348:THR:OG1	2.25	0.52
2:B2:350:LEU:N	14:B2:824:CLA:HED3	2.25	0.52
6:F2:53:VAL:HG12	6:F2:63:PHE:HB2	1.90	0.52
1:A3:481:GLN:OE1	1:A3:483:GLN:NE2	2.42	0.52
2:B3:347:ILE:HG21	14:B3:1826:CLA:H43	1.92	0.52
6:F3:34:ARG:HD3	8:J3:35:ASP:CG	2.29	0.52
7:I3:22:MET:SD	7:I3:22:MET:C	2.88	0.52
14:A4:827:CLA:H93	16:J4:103:BCR:H20C	1.91	0.52
2:B6:303:MET:HA	14:B6:822:CLA:O1D	2.10	0.52
2:B6:421:ILE:HG12	14:B6:830:CLA:CHC	2.40	0.52
2:B6:497:ASN:O	2:B6:498:VAL:HB	2.10	0.52
6:F6:110:MET:HB3	14:F6:202:CLA:HED2	1.90	0.52
14:L6:206:CLA:C1B	14:L6:207:CLA:HED1	2.40	0.52
14:A5:830:CLA:H111	17:A5:851:LHG:H202	1.91	0.52
2:B5:532:GLY:HA2	2:B5:588:TRP:HZ3	1.74	0.52
2:B5:532:GLY:HA3	2:B5:592:THR:HG23	1.90	0.52
14:B5:1812:CLA:HHC	14:B5:1812:CLA:HBB1	1.90	0.52
1:A1:367:SER:OG	1:A1:397:HIS:O	2.27	0.52
16:A1:847:BCR:H362	14:B1:805:CLA:C4	2.36	0.52
2:B1:189:TRP:CZ2	14:B1:819:CLA:CAD	2.92	0.52
2:B1:435:HIS:HA	14:B1:834:CLA:HBB2	1.91	0.52
2:B1:466:ILE:CD1	14:B1:838:CLA:H43	2.39	0.52
2:B1:532:GLY:HA2	2:B1:588:TRP:CZ3	2.44	0.52
10:L2:38:ARG:O	10:L2:46:ARG:NH2	2.42	0.52
14:L2:205:CLA:C1B	14:L2:206:CLA:HED1	2.39	0.52
14:A3:808:CLA:H112	14:A3:830:CLA:H203	1.91	0.52
14:A3:828:CLA:H93	16:J3:103:BCR:H20C	1.91	0.52
2:B3:179:ALA:HB2	2:B3:287:GLY:HA3	1.90	0.52
2:B3:288:HIS:C	14:B3:1822:CLA:HED1	2.30	0.52
2:B3:738:LYS:O	2:B3:739:PHE:CB	2.57	0.52
6:F3:73:ILE:O	6:F3:76:TRP:HB3	2.08	0.52
14:B4:834:CLA:CBB	14:B4:835:CLA:HMB2	2.40	0.52
4:D4:43:THR:O	4:D4:44:ALA:HB3	2.09	0.52
8:J6:16:ALA:HA	14:J6:1101:CLA:H8	1.91	0.52
1:A5:300:HIS:HE2	14:A5:819:CLA:C1B	2.22	0.52
14:B1:830:CLA:H143	19:B1:850:LMG:H231	1.91	0.52
1:A2:691:PHE:HB2	14:A2:1604:CLA:HBC2	1.92	0.52
2:B2:45:ILE:HD12	14:B2:804:CLA:C2C	2.40	0.52
6:F2:65:ILE:HB	6:F2:66:PRO:HD3	1.92	0.52
2:B3:166:TRP:CE2	14:B3:1813:CLA:CMA	2.92	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B3:1835:CLA:C1	8:J3:29:PHE:CE2	2.93	0.52
1:A4:302:LEU:HD13	14:A4:814:CLA:HMC1	1.91	0.52
2:B4:153:TRP:HZ3	14:B4:852:CLA:H62	1.74	0.52
11:M4:26:SER:HA	11:M4:29:LEU:HD12	1.90	0.52
9:K6:73:VAL:CA	14:K6:1401:CLA:HBB1	2.25	0.52
2:B5:122:TRP:HH2	16:B5:1847:BCR:H391	1.74	0.52
1:A1:275:TYR:CZ	14:A1:814:CLA:HMD2	2.45	0.52
1:A1:435:ARG:HD2	4:D1:12:GLY:O	2.09	0.52
1:A1:583:ARG:HA	3:C1:75:SER:O	2.09	0.52
1:A2:453:PHE:CZ	14:B2:803:CLA:H12	2.44	0.52
14:A2:1623:CLA:HMB2	14:A2:1627:CLA:HMA3	1.92	0.52
14:A3:845:CLA:H61	14:A3:845:CLA:HBD	1.90	0.52
2:B3:497:ASN:O	2:B3:498:VAL:HB	2.09	0.52
2:B3:592:THR:O	2:B3:596:VAL:HG13	2.09	0.52
2:B3:647:ASN:HD22	2:B3:649:LEU:H	1.58	0.52
1:A4:578:CYS:HG	18:A4:852:SF4:FE3	0.49	0.52
16:F4:204:BCR:H21C	8:J4:39:HIS:HA	1.92	0.52
14:L4:203:CLA:H171	7:I5:24:THR:HG21	1.90	0.52
1:A6:360:LEU:HD13	14:A6:1630:CLA:HBB1	1.92	0.52
1:A6:701:ILE:HA	1:A6:704:ILE:HD12	1.92	0.52
3:C6:72:THR:N	3:C6:75:SER:OG	2.35	0.52
14:A5:805:CLA:H71	16:A5:847:BCR:H402	1.92	0.52
14:A5:827:CLA:HMB3	14:A5:834:CLA:H12	1.92	0.52
2:B5:110:ASN:HB3	7:I5:3:GLY:HA2	1.91	0.52
14:B5:1830:CLA:H51	16:B5:1847:BCR:H392	1.90	0.52
1:A1:28:TRP:CZ2	14:A1:803:CLA:H11	2.45	0.52
14:B1:811:CLA:H192	7:I1:26:VAL:HG21	1.92	0.52
1:A2:100:TYR:CE2	1:A2:104:LEU:HD11	2.45	0.52
1:A2:231:VAL:O	1:A2:232:ALA:CB	2.58	0.52
14:A2:1630:CLA:H93	16:J2:102:BCR:H20C	1.92	0.52
5:E2:57:THR:CG2	13:P2:42:ALA:HA	2.40	0.52
9:K2:40:GLY:O	9:K2:41:PRO:C	2.47	0.52
1:A3:314:MET:HG3	14:A3:822:CLA:C4C	2.40	0.52
1:A3:675:LEU:HD11	14:A3:828:CLA:H143	1.92	0.52
2:B3:425:LEU:HG	14:B3:1841:CLA:HBB1	1.87	0.52
2:B3:494:ASN:OD1	14:B3:1838:CLA:O1D	2.28	0.52
1:A4:269:THR:O	1:A4:270:PHE:HB2	2.10	0.52
1:A4:447:VAL:HG21	14:A4:837:CLA:C2C	2.40	0.52
2:B4:340:HIS:CD2	14:B4:807:CLA:OBD	2.63	0.52
14:A6:1630:CLA:H111	17:A6:1649:LHG:H202	1.92	0.52
2:B6:256:PHE:CE1	14:B6:817:CLA:HAB	2.44	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B6:802:CLA:OBD	14:B6:804:CLA:HMB3	2.08	0.52
1:A5:210:LEU:HD21	16:A5:845:BCR:H342	1.92	0.52
2:B5:555:ASP:OD1	2:B5:555:ASP:N	2.40	0.52
1:A1:53:ALA:O	14:A1:829:CLA:O1A	2.28	0.52
14:A1:839:CLA:HMA1	2:B1:694:ALA:CB	2.40	0.52
1:A2:484:PRO:HB3	14:A2:1639:CLA:HED3	1.91	0.52
1:A2:612:HIS:ND1	14:A2:1638:CLA:HMC2	2.25	0.52
1:A2:686:SER:HB3	1:A2:734:HIS:CB	2.39	0.52
2:B2:354:HIS:CE1	14:B2:825:CLA:C1B	2.93	0.52
2:B2:661:LEU:O	2:B2:665:THR:OG1	2.23	0.52
5:E2:39:ARG:CZ	13:P2:24:TYR:CZ	2.93	0.52
6:F2:23:ASN:OD1	6:F2:23:ASN:N	2.43	0.52
2:B3:467:GLN:NE2	14:B3:1839:CLA:HMD1	2.23	0.52
1:A6:587:CYS:O	2:B6:675:GLY:N	2.43	0.52
2:B6:398:VAL:CG2	2:B6:547:ALA:HB1	2.40	0.52
2:B6:564:PRO:O	2:B6:565:CYS:HB3	2.10	0.52
1:A5:269:THR:O	1:A5:270:PHE:HB2	2.10	0.52
2:B5:738:LYS:O	2:B5:739:PHE:CB	2.57	0.52
7:I5:30:LEU:O	7:I5:31:PHE:C	2.47	0.52
1:A1:36:ARG:CZ	13:P1:70:ILE:CG2	2.86	0.52
1:A1:231:VAL:O	1:A1:232:ALA:CB	2.58	0.52
1:A1:336:PHE:CB	17:A1:849:LHG:HC41	2.39	0.52
2:B1:497:ASN:O	2:B1:498:VAL:HB	2.10	0.52
14:B1:854:CLA:CMB	7:I1:20:TRP:CZ2	2.82	0.52
1:A2:587:CYS:CB	2:B2:673:TRP:HB3	2.40	0.52
2:B2:573:THR:O	2:B2:576:ILE:HB	2.10	0.52
4:D2:43:THR:O	4:D2:44:ALA:HB3	2.10	0.52
10:L2:62:TRP:HZ2	16:L2:203:BCR:H342	1.75	0.52
1:A3:215:HIS:HB2	14:A3:814:CLA:C1C	2.40	0.52
1:A3:399:TRP:CH2	1:A3:740:ILE:HG12	2.45	0.52
2:B3:487:ILE:HG12	14:B3:1837:CLA:CMD	2.40	0.52
2:B4:59:TRP:HA	14:B4:809:CLA:CBB	2.39	0.52
2:B4:318:PHE:CE1	16:B4:848:BCR:H353	2.45	0.52
1:A6:257:ASP:OD1	1:A6:258:TRP:N	2.43	0.52
14:A6:1606:CLA:H3A	14:A6:1630:CLA:HAB	1.92	0.52
1:A5:120:ILE:O	1:A5:123:GLN:HG2	2.10	0.52
1:A5:356:LEU:O	1:A5:360:LEU:HB2	2.09	0.52
1:A1:84:PHE:CE1	14:A1:804:CLA:H91	2.45	0.52
1:A1:544:PHE:CZ	14:B1:801:CLA:CBB	2.92	0.52
1:A1:564:ARG:HD3	3:C1:79:ALA:HB3	1.92	0.52
2:B1:353:GLN:NE2	14:B1:826:CLA:OBD	2.40	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B1:442:HIS:HB2	14:B1:834:CLA:NC	2.25	0.52
14:B1:833:CLA:CBB	14:B1:834:CLA:HMB2	2.39	0.52
6:F1:65:ILE:HD12	14:J1:102:CLA:HMB3	1.90	0.52
1:A2:118:TRP:HB3	16:J2:103:BCR:HC21	1.92	0.52
1:A2:440:ILE:HD11	14:A2:1633:CLA:C1C	2.40	0.52
2:B2:122:TRP:CH2	14:B2:812:CLA:H201	2.44	0.52
1:A3:686:SER:HB3	1:A3:734:HIS:HB2	1.91	0.52
2:B3:125:THR:HG21	14:B3:1820:CLA:HED1	1.92	0.52
1:A4:164:GLY:O	1:A4:168:MET:HG2	2.09	0.52
2:B4:582:PHE:CE2	14:B4:831:CLA:HMD2	2.45	0.52
2:B6:155:HIS:HE1	14:B6:811:CLA:C1A	2.23	0.52
10:L6:49:GLU:HG2	14:L6:207:CLA:HED2	1.92	0.52
10:L6:50:VAL:O	10:L6:54:HIS:ND1	2.36	0.52
14:A5:821:CLA:HMB2	14:A5:825:CLA:HMA3	1.92	0.52
2:B5:453:GLU:HA	6:F5:48:LEU:HD22	1.91	0.52
1:A1:43:GLN:OE1	5:E1:43:VAL:HG11	2.09	0.51
14:A1:820:CLA:HMB2	14:A1:824:CLA:HMA3	1.93	0.51
2:B1:45:ILE:CD1	14:B1:807:CLA:C2C	2.87	0.51
2:B1:278:ALA:HB2	14:B1:818:CLA:CBB	2.27	0.51
10:L1:62:TRP:HZ2	16:L1:203:BCR:C34	2.24	0.51
2:B2:267:LEU:HD21	2:B2:358:LEU:HD22	1.90	0.51
2:B3:487:ILE:HG12	14:B3:1837:CLA:HMD3	1.91	0.51
3:C3:11:ILE:HD11	13:P3:40:CYS:CA	2.34	0.51
1:A4:436:HIS:CD2	1:A4:440:ILE:HG13	2.45	0.51
14:B4:832:CLA:O1A	12:X4:12:ARG:HD3	2.09	0.51
10:L4:62:TRP:CH2	14:L4:201:CLA:H11	2.43	0.51
2:B6:179:ALA:HB2	2:B6:287:GLY:HA3	1.92	0.51
14:B6:819:CLA:HMB2	14:B6:824:CLA:HMA3	1.92	0.51
4:D6:43:THR:O	4:D6:44:ALA:HB3	2.09	0.51
7:I6:30:LEU:O	7:I6:34:ILE:HG12	2.11	0.51
1:A5:40:ARG:HD3	13:P5:61:ASP:HA	1.91	0.51
1:A5:100:TYR:HA	1:A5:144:PHE:CE1	2.45	0.51
1:A1:36:ARG:NH1	13:P1:70:ILE:HB	2.25	0.51
1:A1:323:HIS:HB3	1:A1:328:ILE:HD11	1.91	0.51
1:A1:694:ARG:HG2	2:B1:574:CYS:SG	2.50	0.51
2:B1:177:HIS:HB3	14:B1:825:CLA:CED	2.40	0.51
2:B1:479:THR:O	2:B1:480:LEU:O	2.27	0.51
14:B1:841:CLA:H171	7:I1:24:THR:CG2	2.40	0.51
14:L1:205:CLA:C1B	14:L1:206:CLA:HED1	2.40	0.51
1:A2:453:PHE:O	14:L2:202:CLA:CBB	2.57	0.51
2:B2:179:ALA:HB2	2:B2:287:GLY:HA3	1.92	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B2:807:CLA:CGA	14:B2:807:CLA:C1A	2.89	0.51
2:B3:61:SER:OG	2:B3:138:ALA:O	2.28	0.51
2:B3:172:SER:OG	14:B3:1814:CLA:O1D	2.29	0.51
4:D3:59:ALA:N	4:D3:63:GLN:OE1	2.43	0.51
6:F3:65:ILE:HB	6:F3:66:PRO:HD3	1.92	0.51
14:A4:820:CLA:HMB2	14:A4:824:CLA:HMA3	1.92	0.51
2:B4:92:ASP:OD1	2:B4:94:GLN:NE2	2.38	0.51
8:J4:26:LEU:HD23	16:J4:103:BCR:HC7	1.92	0.51
10:L4:58:LEU:HD22	10:L4:85:LEU:CD1	2.41	0.51
2:B6:60:VAL:HG11	16:B6:845:BCR:H393	1.91	0.51
2:B6:372:ALA:HB1	2:B6:731:LEU:HD11	1.93	0.51
8:J6:28:GLU:OE2	14:J6:1102:CLA:NA	2.43	0.51
14:B5:1831:CLA:H143	19:B5:1851:LMG:H231	1.92	0.51
1:A1:447:VAL:HG21	14:A1:836:CLA:HMC3	1.91	0.51
1:A1:497:ALA:N	1:A1:498:PRO:CD	2.74	0.51
14:B1:839:CLA:H203	6:F1:67:SER:HB3	1.92	0.51
1:A2:205:LEU:HD22	14:A2:1621:CLA:HMC2	1.92	0.51
1:A4:651:ARG:HD2	2:B4:639:ASN:HD21	1.75	0.51
2:B4:651:VAL:HG13	14:B4:811:CLA:HHD	1.91	0.51
14:B4:801:CLA:OBD	14:B4:803:CLA:HMB3	2.10	0.51
2:B6:318:PHE:H	14:B6:822:CLA:C2B	2.23	0.51
2:B6:339:TRP:NE1	14:B6:824:CLA:C3B	2.68	0.51
2:B6:694:ALA:HB1	14:L6:203:CLA:HMA1	1.91	0.51
7:I6:13:ILE:O	7:I6:17:VAL:HG23	2.11	0.51
1:A1:180:TYR:CE2	14:A1:810:CLA:C3D	2.94	0.51
1:A1:697:TRP:CZ2	15:A1:841:PQN:H2M3	2.46	0.51
14:A1:829:CLA:H111	17:A1:848:LHG:H202	1.93	0.51
2:B1:52:HIS:CD2	14:B1:807:CLA:HMA1	2.45	0.51
2:B1:279:ILE:CD1	14:B1:818:CLA:HBC2	2.40	0.51
2:B1:532:GLY:HA2	2:B1:588:TRP:HZ3	1.74	0.51
2:B2:189:TRP:CZ3	2:B2:192:HIS:CD2	2.98	0.51
2:B3:52:HIS:CE1	14:B3:1807:CLA:CMA	2.93	0.51
1:A4:682:ILE:HD12	16:A4:849:BCR:H353	1.93	0.51
3:C6:14:THR:HG22	3:C6:27:MET:HG3	1.92	0.51
8:J6:27:ILE:HD13	16:J6:1105:BCR:C11	2.41	0.51
2:B5:468:ALA:O	2:B5:482:SER:HB2	2.10	0.51
10:L5:15:GLY:O	10:L5:16:HIS:HB2	2.09	0.51
1:A1:581:PRO:HB3	2:B1:564:PRO:HB2	1.93	0.51
2:B1:59:TRP:CZ2	14:B1:829:CLA:HMB2	2.45	0.51
2:B1:350:LEU:HD13	14:B1:826:CLA:HED2	1.93	0.51
14:B1:809:CLA:CMD	7:I1:10:LEU:HD23	2.40	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B2:278:ALA:HB2	14:B2:816:CLA:CBB	2.39	0.51
2:B2:503:TRP:CZ3	14:B2:816:CLA:H43	2.45	0.51
14:B2:837:CLA:H203	6:F2:67:SER:HB3	1.92	0.51
6:F2:52:VAL:HG12	6:F2:54:ASP:HB2	1.93	0.51
2:B3:603:LYS:HD3	14:B3:1839:CLA:HBC1	1.93	0.51
14:B3:1834:CLA:CBB	14:B3:1835:CLA:HMB2	2.40	0.51
10:L3:79:LEU:HD22	10:L3:136:PHE:CG	2.45	0.51
2:B4:440:TYR:CE1	2:B4:524:LEU:HB3	2.44	0.51
1:A6:543:ALA:HB1	14:A6:1637:CLA:HMB3	1.91	0.51
2:B6:593:ILE:O	2:B6:597:THR:HG23	2.11	0.51
2:B6:654:TRP:CH2	14:B6:802:CLA:H72	2.46	0.51
14:B6:809:CLA:H201	7:I6:23:PRO:HA	1.93	0.51
4:D6:117:ARG:NH2	4:D6:138:PRO:OXT	2.43	0.51
1:A5:472:GLN:OE1	1:A5:472:GLN:N	2.38	0.51
2:B5:664:ALA:CB	14:B5:1805:CLA:CBB	2.88	0.51
1:A1:36:ARG:CZ	13:P1:70:ILE:CG1	2.66	0.51
1:A2:433:VAL:HG21	14:A2:1623:CLA:H192	1.93	0.51
1:A2:741:ALA:HB2	16:A2:1652:BCR:H323	1.91	0.51
10:L2:54:HIS:HA	10:L2:57:PHE:CE2	2.45	0.51
12:X2:23:ASN:HD21	14:X2:1701:CLA:C1A	2.22	0.51
1:A3:305:ALA:O	1:A3:309:ILE:HG12	2.10	0.51
8:J3:15:ALA:O	8:J3:19:MET:HB2	2.10	0.51
2:B4:117:SER:HB3	14:B4:829:CLA:HAA2	1.93	0.51
1:A6:366:LEU:HD11	14:A6:1619:CLA:H71	1.93	0.51
14:A6:1605:CLA:H71	16:A6:1645:BCR:H402	1.93	0.51
16:A6:1648:BCR:H362	14:A6:1651:CLA:C4	2.35	0.51
2:B6:61:SER:OG	2:B6:138:ALA:O	2.28	0.51
7:I6:22:MET:SD	7:I6:22:MET:C	2.89	0.51
1:A5:198:ASN:HD21	1:A5:315:TYR:HB2	1.75	0.51
1:A1:302:LEU:HD11	14:A1:816:CLA:CBB	2.41	0.51
1:A1:577:PRO:O	1:A1:578:CYS:HB3	2.11	0.51
14:A1:826:CLA:HMB3	14:A1:832:CLA:H12	1.93	0.51
14:B1:811:CLA:H201	7:I1:23:PRO:HA	1.93	0.51
3:C1:30:TRP:O	3:C1:36:GLY:HA2	2.10	0.51
1:A2:587:CYS:O	2:B2:675:GLY:N	2.44	0.51
2:B2:275:HIS:HB2	14:B2:816:CLA:CHB	2.41	0.51
6:F2:79:TRP:CH2	6:F2:120:ALA:HA	2.45	0.51
2:B3:181:LEU:HD13	14:B3:1815:CLA:CHB	2.38	0.51
3:C3:65:ARG:HG2	3:C3:67:TYR:CZ	2.46	0.51
1:A4:546:ILE:O	1:A4:550:VAL:HG23	2.11	0.51
2:B4:189:TRP:CD2	14:B4:820:CLA:HMD3	2.46	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B4:430:LEU:HD13	14:B4:802:CLA:HED3	1.91	0.51
2:B4:738:LYS:O	2:B4:739:PHE:CB	2.59	0.51
6:F4:70:PHE:CE1	16:F4:201:BCR:C10	2.87	0.51
1:A6:269:THR:O	1:A6:270:PHE:HB2	2.11	0.51
1:A6:447:VAL:CG2	14:A6:1638:CLA:HMC3	2.41	0.51
14:A6:1633:CLA:HED2	10:L6:65:LEU:O	2.10	0.51
2:B6:526:HIS:HA	2:B6:529:ILE:HD12	1.93	0.51
14:B6:828:CLA:H51	16:B6:845:BCR:H392	1.91	0.51
1:A5:79:HIS:NE2	14:A5:805:CLA:HMA1	2.26	0.51
14:A5:802:CLA:OBD	14:B5:1803:CLA:HMB3	2.11	0.51
3:C1:2:HIS:NE2	3:C1:75:SER:HB2	2.26	0.51
16:I1:103:BCR:H383	10:L1:93:LEU:HD21	1.93	0.51
2:B2:637:LEU:HD22	2:B2:730:PHE:HA	1.93	0.51
14:A3:842:CLA:H172	8:J3:19:MET:HG3	1.92	0.51
2:B3:42:TYR:CZ	2:B3:333:LEU:HD21	2.46	0.51
1:A4:468:PHE:CZ	14:B4:811:CLA:CHC	2.94	0.51
1:A4:580:GLY:O	1:A4:586:THR:OG1	2.29	0.51
2:B4:195:HIS:CG	14:B4:816:CLA:CBC	2.93	0.51
2:B4:256:PHE:CD2	14:B4:819:CLA:HMB2	2.46	0.51
2:B6:537:THR:HG21	14:B6:825:CLA:HBB2	1.91	0.51
1:A5:341:HIS:HE1	17:A5:852:LHG:HC11	1.75	0.51
1:A5:681:PHE:CD2	16:A5:850:BCR:H363	2.46	0.51
1:A1:90:MET:CE	14:A1:807:CLA:HED2	2.40	0.51
14:B1:811:CLA:H203	7:I1:26:VAL:HG21	1.89	0.51
3:C1:80:TYR:HB3	4:D1:18:LEU:HD12	1.93	0.51
10:L1:48:LEU:HD22	10:L1:52:MET:SD	2.51	0.51
14:B3:1821:CLA:HMB2	14:B3:1826:CLA:HMA3	1.93	0.51
1:A4:502:ALA:N	1:A4:503:PRO:HD3	2.25	0.51
2:B4:243:PHE:CD1	2:B4:264:THR:HG21	2.45	0.51
2:B4:494:ASN:HD21	14:B4:837:CLA:CED	2.24	0.51
1:A6:582:GLY:CA	3:C6:48:VAL:O	2.59	0.51
14:A6:1627:CLA:HMB3	14:A6:1634:CLA:H12	1.93	0.51
2:B6:566:ASP:OD2	3:C6:65:ARG:NH2	2.43	0.51
1:A5:592:TRP:CD1	14:A5:830:CLA:HMD1	2.46	0.51
1:A2:444:LEU:HB2	14:A2:1640:CLA:CBB	2.41	0.51
14:B2:805:CLA:H151	14:B2:805:CLA:H102	1.93	0.51
3:C2:11:ILE:CD1	13:P2:40:CYS:HA	2.40	0.51
2:B3:455:GLN:OE1	2:B3:620:THR:OG1	2.14	0.51
14:B3:1842:CLA:HED3	7:I3:31:PHE:HZ	1.76	0.51
14:B3:1842:CLA:CED	7:I3:31:PHE:HZ	2.24	0.51
8:J3:26:LEU:HD23	16:J3:103:BCR:HC7	1.93	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
10:L3:54:HIS:HA	10:L3:57:PHE:CE2	2.46	0.51
1:A4:403:PHE:HB3	14:A4:805:CLA:H112	1.93	0.51
14:A6:1621:CLA:HMB2	14:A6:1625:CLA:HMA3	1.93	0.51
2:B6:527:HIS:CD2	16:B6:850:BCR:H322	2.45	0.51
2:B6:636:GLN:HG3	2:B6:737:ALA:HB1	1.93	0.51
10:L6:33:ASN:N	10:L6:33:ASN:HD22	2.09	0.51
6:F5:65:ILE:HB	6:F5:66:PRO:HD3	1.93	0.51
11:M5:17:LEU:HB3	11:M5:18:PRO:HD3	1.93	0.51
14:A1:804:CLA:H71	16:A1:844:BCR:H402	1.93	0.50
2:B1:521:GLY:O	2:B1:525:VAL:HG22	2.11	0.50
2:B1:595:TRP:HZ2	14:B1:805:CLA:NB	2.09	0.50
2:B1:652:TRP:CZ2	2:B1:732:ILE:HG21	2.46	0.50
14:B1:801:CLA:OBD	14:B1:804:CLA:HMB3	2.10	0.50
14:B1:854:CLA:CBA	10:L2:148:ILE:HG23	2.41	0.50
9:K1:40:GLY:O	9:K1:41:PRO:C	2.49	0.50
14:L1:207:CLA:HMD1	14:B3:1812:CLA:H203	1.93	0.50
1:A2:362:MET:HA	1:A2:365:SER:OG	2.11	0.50
1:A2:518:VAL:HG23	1:A2:525:ALA:HB3	1.93	0.50
1:A3:502:ALA:N	1:A3:503:PRO:HD3	2.25	0.50
14:A3:805:CLA:H71	16:A3:849:BCR:H402	1.93	0.50
14:A3:827:CLA:HMB3	14:A3:835:CLA:H12	1.92	0.50
10:L3:7:PRO:HB3	10:L3:12:PRO:HA	1.92	0.50
10:L3:48:LEU:HD22	10:L3:52:MET:SD	2.51	0.50
1:A4:259:GLY:C	1:A4:261:PHE:H	2.14	0.50
2:B4:347:ILE:O	2:B4:351:VAL:HG23	2.10	0.50
2:B4:467:GLN:NE2	14:B4:839:CLA:HMD1	2.26	0.50
3:C4:77:GLY:HA2	4:D4:60:ARG:CZ	2.40	0.50
2:B6:7:PHE:HB2	2:B6:33:HIS:CG	2.46	0.50
2:B6:256:PHE:HB2	14:B6:816:CLA:O1D	2.10	0.50
2:B6:599:TYR:CZ	14:B6:837:CLA:CBC	2.94	0.50
2:B5:503:TRP:CE3	14:B5:1819:CLA:H11	2.46	0.50
1:A1:356:LEU:O	1:A1:360:LEU:HB2	2.11	0.50
2:B1:30:PHE:CD1	14:B1:807:CLA:HMC2	2.46	0.50
7:I1:16:PRO:HB3	7:I1:20:TRP:CZ3	2.46	0.50
1:A2:313:HIS:CE1	16:A2:1647:BCR:H363	2.46	0.50
14:A2:1607:CLA:H71	16:A2:1649:BCR:H402	1.93	0.50
14:A2:1616:CLA:HBA2	14:A2:1618:CLA:HMB3	1.93	0.50
2:B2:339:TRP:NE1	14:B2:823:CLA:C3B	2.72	0.50
4:D2:32:THR:HA	4:D2:52:GLY:O	2.12	0.50
2:B4:537:THR:HG21	14:B4:827:CLA:CBB	2.40	0.50
11:M4:12:LEU:HB3	16:M4:101:BCR:C21	2.41	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A6:106:ASP:N	1:A6:107:PRO:HD3	2.26	0.50
1:A6:531:LEU:HA	1:A6:535:ASP:OD1	2.11	0.50
1:A6:709:ASN:HB3	6:F6:136:ILE:HG23	1.92	0.50
1:A5:513:PHE:CE1	14:A5:827:CLA:HMC3	2.47	0.50
2:B5:436:THR:HG22	14:B5:1803:CLA:H192	1.94	0.50
2:B1:528:ALA:HB1	14:B1:804:CLA:H172	1.94	0.50
1:A2:173:LEU:HD21	14:A2:1611:CLA:H201	1.93	0.50
1:A2:440:ILE:CD1	14:A2:1633:CLA:C1C	2.89	0.50
16:B2:843:BCR:H23C	16:B2:843:BCR:H382	1.93	0.50
4:D2:50:ARG:HG2	4:D2:54:ASN:HD21	1.75	0.50
1:A3:269:THR:O	1:A3:270:PHE:HB2	2.12	0.50
1:A3:468:PHE:CZ	14:B3:1811:CLA:CHC	2.94	0.50
2:B3:192:HIS:HB2	14:B3:1816:CLA:C4B	2.41	0.50
2:B3:598:PHE:HE1	14:B3:1803:CLA:HED2	1.76	0.50
4:D3:32:THR:HA	4:D3:52:GLY:O	2.11	0.50
1:A4:90:MET:CE	14:A4:807:CLA:HED2	2.40	0.50
14:A4:820:CLA:CMD	14:A4:821:CLA:HBB1	2.41	0.50
2:B4:256:PHE:CE1	14:B4:819:CLA:CAB	2.86	0.50
2:B6:537:THR:CG2	14:B6:825:CLA:CBB	2.87	0.50
2:B5:141:LEU:HD23	2:B5:144:LEU:HD12	1.94	0.50
1:A1:682:ILE:HD12	16:A1:847:BCR:H353	1.94	0.50
2:B1:128:MET:HE1	2:B1:134:LEU:HA	1.93	0.50
2:B1:463:ALA:HB2	14:B1:839:CLA:CGD	2.41	0.50
14:B1:854:CLA:CBB	7:I1:19:CYS:HB3	2.42	0.50
6:F1:73:ILE:O	6:F1:76:TRP:HB3	2.10	0.50
6:F1:99:ILE:O	8:J1:11:ALA:N	2.37	0.50
1:A2:79:HIS:CE1	14:A2:1607:CLA:CMA	2.95	0.50
1:A2:302:LEU:HD13	14:A2:1617:CLA:HMC1	1.93	0.50
2:B2:136:GLN:NE2	14:B2:813:CLA:HBD	2.26	0.50
2:B2:369:THR:HA	2:B2:735:THR:HG21	1.93	0.50
2:B2:589:MET:O	2:B2:593:ILE:HG12	2.11	0.50
4:D3:2:THR:HG21	4:D3:91:THR:HB	1.92	0.50
16:A4:849:BCR:H362	14:B4:804:CLA:C4	2.35	0.50
2:B6:438:GLY:C	14:B6:833:CLA:HBB1	2.31	0.50
2:B5:92:ASP:HB3	2:B5:95:PHE:CD2	2.46	0.50
7:I5:9:PHE:CE1	7:I5:10:LEU:HD13	2.47	0.50
14:A1:838:CLA:CMC	14:B1:802:CLA:H71	2.42	0.50
2:B2:117:SER:O	14:B2:827:CLA:HED3	2.11	0.50
2:B2:551:LYS:HD2	6:F2:139:SER:HA	1.94	0.50
14:B2:809:CLA:HAA2	10:L2:67:PRO:HG3	1.93	0.50
4:D2:39:PHE:CE2	4:D2:47:ALA:HB3	2.46	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
10:L2:61:PRO:HB3	14:L2:207:CLA:HBB1	1.92	0.50
2:B3:713:LEU:HD23	19:B3:1850:LMG:H122	1.93	0.50
5:E3:44:ASN:OD1	5:E3:55:VAL:HB	2.12	0.50
1:A4:391:LEU:O	1:A4:395:THR:HG23	2.10	0.50
1:A4:581:PRO:CG	3:C4:68:LEU:HD11	2.41	0.50
14:A4:817:CLA:H41	14:A4:833:CLA:HAA2	1.94	0.50
2:B4:652:TRP:CH2	14:B4:810:CLA:HBC2	2.47	0.50
2:B4:667:PHE:CB	14:B4:805:CLA:HMC3	2.42	0.50
14:B4:810:CLA:C1A	14:B4:810:CLA:CGA	2.90	0.50
6:F4:77:ILE:HG12	14:F4:202:CLA:C4D	2.41	0.50
1:A6:77:PHE:CZ	14:A6:1613:CLA:HED1	2.46	0.50
1:A6:697:TRP:CH2	15:A6:1642:PQN:H2M3	2.47	0.50
2:B6:52:HIS:ND1	14:B6:806:CLA:O1A	2.44	0.50
2:B6:135:TYR:O	2:B6:139:ILE:HG12	2.11	0.50
16:B5:1846:BCR:H23C	16:B5:1846:BCR:H382	1.94	0.50
3:C5:6:ILE:HD13	3:C5:40:SER:O	2.11	0.50
2:B1:53:LEU:HD13	14:B1:807:CLA:CBA	2.42	0.50
2:B1:72:ASN:HB3	2:B1:86:ILE:HD12	1.93	0.50
2:B1:208:TRP:NE1	14:B1:815:CLA:CAD	2.75	0.50
2:B1:284:ILE:O	2:B1:288:HIS:ND1	2.42	0.50
1:A2:83:VAL:HG11	14:A2:1607:CLA:H72	1.94	0.50
1:A2:497:ALA:N	1:A2:498:PRO:CD	2.75	0.50
14:A2:1623:CLA:CMB	14:A2:1627:CLA:HMA3	2.42	0.50
14:A2:1629:CLA:HMB3	14:A2:1636:CLA:H12	1.94	0.50
14:A3:830:CLA:H111	17:A3:853:LHG:H202	1.93	0.50
16:F4:204:BCR:H23C	8:J4:40:PRO:HD2	1.94	0.50
1:A6:433:VAL:HG21	14:A6:1621:CLA:H192	1.92	0.50
1:A6:444:LEU:HB2	14:A6:1638:CLA:CBB	2.41	0.50
2:B6:142:LEU:HD23	11:M6:14:ILE:CG2	2.42	0.50
10:L5:62:TRP:CE2	14:L5:203:CLA:C1	2.95	0.50
2:B1:65:PHE:CD2	14:B1:809:CLA:C4C	2.95	0.50
1:A2:297:THR:O	1:A2:300:HIS:HB3	2.12	0.50
1:A3:444:LEU:HD13	14:A3:839:CLA:HBB1	1.93	0.50
14:A3:834:CLA:C1	10:L3:62:TRP:CE2	2.95	0.50
2:B3:718:HIS:HE1	14:B3:1843:CLA:C4D	2.24	0.50
11:M4:21:LEU:HD21	14:A6:1601:CLA:CMA	2.41	0.50
2:B5:529:ILE:O	2:B5:533:LEU:HG	2.12	0.50
2:B5:554:PRO:HD2	3:C5:61:PHE:CE1	2.46	0.50
10:L5:20:PRO:HB2	14:L5:202:CLA:HMD1	1.92	0.50
14:A1:805:CLA:H3A	14:A1:829:CLA:HAB	1.94	0.50
2:B1:229:TRP:C	14:B1:817:CLA:H3A	2.32	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B1:346:VAL:CG2	16:B1:847:BCR:H362	2.41	0.50
2:B1:423:SER:C	14:B1:803:CLA:HED2	2.32	0.50
10:L1:105:GLY:O	10:L1:106:SER:HB2	2.11	0.50
1:A2:385:THR:HG23	1:A2:523:LYS:HB2	1.94	0.50
8:J2:28:GLU:OE2	14:J2:101:CLA:NA	2.45	0.50
2:B3:467:GLN:HE22	14:B3:1839:CLA:HMD1	1.75	0.50
2:B4:234:GLN:O	2:B4:236:PRO:HD3	2.12	0.50
5:E4:7:VAL:O	5:E4:20:VAL:HA	2.12	0.50
8:J4:27:ILE:HG21	16:J4:104:BCR:H343	1.92	0.50
10:L6:134:VAL:HG23	16:L6:201:BCR:H403	1.94	0.50
1:A5:216:GLN:NE2	1:A5:297:THR:OG1	2.41	0.50
1:A5:683:TRP:O	1:A5:686:SER:OG	2.27	0.50
2:B5:20:ILE:HG12	7:I5:34:ILE:HD12	1.94	0.50
2:B5:103:PHE:CZ	2:B5:651:VAL:HG22	2.47	0.50
2:B5:622:LEU:HD11	14:B5:1803:CLA:H202	1.92	0.50
2:B5:718:HIS:CE1	14:B5:1843:CLA:C4D	2.94	0.50
1:A1:543:ALA:HB1	14:A1:835:CLA:HMB3	1.94	0.50
2:B1:4:PHE:CD2	7:I1:34:ILE:HG22	2.47	0.50
2:B1:532:GLY:O	2:B1:536:THR:OG1	2.16	0.50
16:B1:844:BCR:H382	16:B1:844:BCR:H23C	1.94	0.50
2:B2:347:ILE:O	2:B2:351:VAL:HG23	2.12	0.50
6:F2:69:LEU:CB	14:F2:204:CLA:CBB	2.83	0.50
2:B3:434:PHE:CE2	14:B3:1802:CLA:H2	2.47	0.50
2:B3:564:PRO:O	2:B3:565:CYS:HB3	2.12	0.50
2:B3:599:TYR:CZ	14:B3:1839:CLA:CBC	2.95	0.50
2:B3:682:GLU:HG2	3:C3:80:TYR:CE2	2.47	0.50
14:B3:1841:CLA:HBC2	14:X3:102:CLA:HBC3	1.94	0.50
14:B4:832:CLA:HMB2	14:B4:833:CLA:C2D	2.42	0.50
2:B5:181:LEU:HG	14:B5:1815:CLA:H43	1.94	0.50
2:B5:189:TRP:HA	14:B5:1816:CLA:HBB1	1.92	0.50
2:B5:537:THR:HG21	14:B5:1827:CLA:HBB2	1.94	0.50
10:L5:19:THR:OG1	10:L5:22:SER:N	2.37	0.50
1:A1:502:ALA:N	1:A1:503:PRO:HD3	2.27	0.49
14:A1:803:CLA:H2	14:A1:810:CLA:H92	1.93	0.49
2:B1:25:ALA:CB	19:B1:850:LMG:O7	2.60	0.49
2:B1:300:ILE:HA	2:B1:303:MET:SD	2.52	0.49
2:B1:361:TYR:CE2	14:B1:819:CLA:HAA2	2.47	0.49
2:B1:458:ILE:HD12	2:B1:458:ILE:N	2.27	0.49
14:B1:820:CLA:HMB2	14:B1:825:CLA:HMA3	1.94	0.49
8:J1:27:ILE:CD1	16:J1:104:BCR:C11	2.86	0.49
1:A2:194:GLU:CG	1:A2:315:TYR:HB3	2.42	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A2:1601:CLA:HAC2	14:L2:206:CLA:H151	1.94	0.49
1:A3:313:HIS:NE2	16:A3:847:BCR:H363	2.26	0.49
1:A3:657:GLN:HA	1:A3:750:ARG:NH1	2.27	0.49
14:A3:821:CLA:HMB2	14:A3:825:CLA:HMA3	1.94	0.49
14:B3:1839:CLA:H101	12:X3:23:ASN:HA	1.94	0.49
1:A4:99:ASN:HB3	1:A4:134:PHE:CG	2.47	0.49
14:A4:826:CLA:HMB3	14:A4:833:CLA:H12	1.94	0.49
2:B4:184:VAL:HG12	16:B4:846:BCR:H352	1.93	0.49
6:F4:63:PHE:HE1	16:F4:204:BCR:C10	2.25	0.49
2:B6:339:TRP:CZ2	14:B6:824:CLA:HAB	2.47	0.49
14:A5:827:CLA:HBB1	14:A5:834:CLA:HMA2	1.94	0.49
2:B5:439:LEU:HD22	2:B5:456:ILE:HG21	1.94	0.49
2:B1:182:PHE:CE2	14:B1:814:CLA:H61	2.47	0.49
2:B1:430:LEU:HB3	14:B1:833:CLA:HED3	1.92	0.49
2:B1:660:HIS:CD2	14:B1:804:CLA:CHB	2.96	0.49
10:L1:62:TRP:HZ2	16:L1:203:BCR:H342	1.77	0.49
1:A2:461:HIS:CD2	1:A2:475:PHE:CE1	3.00	0.49
2:B2:137:GLY:CA	16:B2:844:BCR:H381	2.42	0.49
16:L2:201:BCR:H341	14:L2:207:CLA:HBC1	1.95	0.49
2:B3:153:TRP:CZ3	14:B3:1801:CLA:H62	2.46	0.49
2:B3:339:TRP:HZ2	14:B3:1826:CLA:HAB	1.77	0.49
2:B3:600:TRP:CE2	2:B3:604:HIS:CE1	3.00	0.49
1:A4:36:ARG:HH11	13:P4:67:ASP:HA	1.77	0.49
1:A4:423:ALA:CA	4:D4:38:VAL:HG11	2.41	0.49
1:A4:741:ALA:HB2	16:A4:849:BCR:H323	1.93	0.49
14:A4:804:CLA:H71	16:A4:846:BCR:H402	1.94	0.49
2:B4:229:TRP:CE3	14:B4:818:CLA:CMB	2.95	0.49
2:B4:660:HIS:HD2	14:B4:801:CLA:O2D	1.94	0.49
12:X4:23:ASN:OD1	14:X4:102:CLA:CHB	2.60	0.49
14:A6:1633:CLA:HED3	10:L6:69:ARG:HH21	1.77	0.49
2:B6:386:MET:CE	16:B6:847:BCR:H361	2.42	0.49
1:A5:502:ALA:N	1:A5:503:PRO:HD3	2.27	0.49
1:A5:686:SER:HB3	1:A5:734:HIS:CB	2.42	0.49
14:A5:804:CLA:H2	14:A5:811:CLA:H92	1.93	0.49
14:A1:817:CLA:H41	14:A1:832:CLA:HAA2	1.93	0.49
2:B1:660:HIS:NE2	14:B1:804:CLA:C4A	2.75	0.49
4:D1:129:LYS:HE2	4:D1:130:PHE:CE1	2.47	0.49
1:A2:502:ALA:N	1:A2:503:PRO:HD3	2.27	0.49
2:B2:360:PRO:HG3	14:B2:817:CLA:HBA2	1.93	0.49
10:L2:36:ALA:HB2	14:L2:206:CLA:HMD1	1.94	0.49
14:A3:818:CLA:H41	14:A3:835:CLA:HAA2	1.95	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B3:189:TRP:CZ3	2:B3:192:HIS:CD2	3.00	0.49
2:B3:447:VAL:HG11	2:B3:621:TYR:CE1	2.47	0.49
6:F3:63:PHE:C	6:F3:66:PRO:HD2	2.32	0.49
10:L3:20:PRO:O	10:L3:24:SER:HB3	2.13	0.49
1:A4:453:PHE:C	14:L4:201:CLA:HBB2	2.31	0.49
4:D4:32:THR:HA	4:D4:52:GLY:O	2.12	0.49
6:F6:76:TRP:CD2	14:F6:202:CLA:HAA2	2.48	0.49
14:B5:1832:CLA:HMB2	14:B5:1833:CLA:C2D	2.42	0.49
10:L5:48:LEU:HD13	14:L5:204:CLA:CED	2.42	0.49
10:L5:62:TRP:CE2	14:L5:203:CLA:H12	2.47	0.49
2:B1:438:GLY:C	14:B1:834:CLA:HBB1	2.32	0.49
2:B1:622:LEU:CG	14:B1:805:CLA:H11	2.43	0.49
14:B1:831:CLA:HMB2	14:B1:832:CLA:C2D	2.42	0.49
3:C1:50:CYS:HG	18:C1:101:SF4:FE1	1.26	0.49
1:A2:120:ILE:C	1:A2:122:GLY:H	2.15	0.49
14:A2:1620:CLA:H41	14:A2:1636:CLA:HAA2	1.95	0.49
2:B2:277:LEU:HD11	14:B2:815:CLA:CBB	2.42	0.49
1:A3:433:VAL:HG21	14:A3:821:CLA:H192	1.93	0.49
14:A3:802:CLA:OBD	14:B3:1803:CLA:HMB3	2.11	0.49
2:B3:277:LEU:HD13	14:B3:1817:CLA:CMC	2.42	0.49
14:B4:841:CLA:HBC2	14:X4:102:CLA:HBC3	1.94	0.49
10:L4:57:PHE:CD1	10:L4:57:PHE:C	2.85	0.49
1:A6:678:GLY:O	1:A6:681:PHE:HB3	2.13	0.49
2:B6:589:MET:HE2	2:B6:590:LEU:HD23	1.94	0.49
3:C6:28:VAL:HG12	4:D6:109:ARG:HB3	1.94	0.49
4:D6:39:PHE:CE1	4:D6:67:LEU:HD11	2.47	0.49
8:J6:27:ILE:CG2	16:J6:1105:BCR:H343	2.43	0.49
1:A5:683:TRP:CE2	14:A5:801:CLA:HBA2	2.48	0.49
2:B5:42:TYR:CD2	2:B5:167:PHE:HB3	2.47	0.49
6:F5:53:VAL:HG12	6:F5:63:PHE:HB2	1.94	0.49
2:B1:275:HIS:CE1	14:B1:818:CLA:C4C	2.95	0.49
1:A2:597:LEU:HD21	2:B2:672:SER:HB3	1.94	0.49
5:E2:57:THR:CG2	13:P2:42:ALA:CB	2.90	0.49
1:A3:257:ASP:OD1	1:A3:258:TRP:N	2.45	0.49
14:A3:814:CLA:HBA2	14:A3:816:CLA:HMB3	1.94	0.49
3:C3:25:LEU:HA	3:C3:40:SER:O	2.12	0.49
2:B4:493:PRO:HG3	14:B4:838:CLA:C1D	2.43	0.49
14:B4:816:CLA:HAB	14:B4:830:CLA:H13	1.94	0.49
5:E4:44:ASN:OD1	5:E4:55:VAL:HB	2.13	0.49
10:L4:105:GLY:O	10:L4:106:SER:HB2	2.13	0.49
1:A6:90:MET:CE	14:A6:1608:CLA:HED2	2.42	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B6:155:HIS:CE1	14:B6:811:CLA:NA	2.81	0.49
2:B6:267:LEU:HD13	14:B6:817:CLA:H2A	1.94	0.49
14:L6:206:CLA:HMB2	14:L6:206:CLA:H43	1.95	0.49
1:A5:686:SER:HB3	1:A5:734:HIS:HB2	1.94	0.49
14:A5:818:CLA:H41	14:A5:834:CLA:HAA2	1.93	0.49
1:A1:120:ILE:C	1:A1:122:GLY:H	2.16	0.49
1:A1:440:ILE:HG12	14:A1:830:CLA:CHC	2.42	0.49
1:A1:572:LEU:HD21	3:C1:52:ARG:CZ	2.42	0.49
1:A1:682:ILE:HD11	16:A1:847:BCR:C15	2.42	0.49
2:B1:376:THR:HG23	2:B1:597:THR:HG21	1.93	0.49
2:B1:439:LEU:N	14:B1:834:CLA:HBB1	2.28	0.49
2:B1:554:PRO:HD2	3:C1:61:PHE:CZ	2.48	0.49
1:A2:300:HIS:O	1:A2:304:ILE:HG12	2.13	0.49
1:A2:588:GLN:HA	1:A2:593:ASP:OD2	2.12	0.49
2:B2:181:LEU:CD1	14:B2:812:CLA:H43	2.43	0.49
2:B2:431:PHE:CZ	16:B2:850:BCR:HC41	2.48	0.49
7:I2:13:ILE:O	7:I2:17:VAL:HG23	2.13	0.49
2:B3:664:ALA:C	14:B3:1805:CLA:HBB1	2.32	0.49
2:B3:682:GLU:HG2	3:C3:80:TYR:HE2	1.77	0.49
5:E3:7:VAL:O	5:E3:20:VAL:HA	2.12	0.49
14:A4:805:CLA:H3A	14:A4:829:CLA:HAB	1.93	0.49
14:A4:813:CLA:HBA2	14:A4:815:CLA:HMB3	1.95	0.49
2:B4:116:TYR:CD1	14:B4:810:CLA:CMD	2.96	0.49
2:B4:176:HIS:CE1	14:B4:815:CLA:HMC2	2.47	0.49
2:B4:533:LEU:O	2:B4:537:THR:OG1	2.20	0.49
2:B4:641:TYR:HB2	2:B4:646:THR:HG22	1.94	0.49
2:B4:651:VAL:HG11	14:B4:811:CLA:HMD2	1.94	0.49
14:B4:812:CLA:H101	14:L6:208:CLA:H91	1.95	0.49
14:L4:205:CLA:H13	7:I5:20:TRP:CE3	2.42	0.49
1:A6:275:TYR:CZ	14:A6:1615:CLA:HMD2	2.47	0.49
1:A6:359:ASN:HD22	1:A6:359:ASN:N	2.10	0.49
14:A6:1629:CLA:HBB1	14:A6:1629:CLA:HMB1	1.94	0.49
4:D6:50:ARG:H	4:D6:54:ASN:HD21	1.60	0.49
7:I6:9:PHE:CE1	7:I6:10:LEU:HD13	2.46	0.49
2:B5:535:THR:HG23	14:B5:1802:CLA:HBD	1.95	0.49
14:B5:1821:CLA:HMB2	14:B5:1826:CLA:HMA3	1.94	0.49
14:B5:1841:CLA:HBC2	14:X5:101:CLA:HBC3	1.94	0.49
9:K5:65:PHE:O	9:K5:69:LEU:CB	2.60	0.49
1:A1:744:TRP:HB2	14:A1:827:CLA:HBB1	1.94	0.49
2:B1:48:SER:HB3	14:B1:807:CLA:HBB1	1.95	0.49
2:B1:382:ALA:O	2:B1:386:MET:HG2	2.13	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B1:840:CLA:HBC2	14:X1:1701:CLA:HBC3	1.94	0.49
14:A2:1608:CLA:H3A	14:A2:1632:CLA:HAB	1.93	0.49
2:B2:42:TYR:CE2	2:B2:333:LEU:HD21	2.48	0.49
5:E2:39:ARG:NH2	13:P2:24:TYR:OH	2.46	0.49
10:L2:79:LEU:HD11	10:L2:83:ILE:HD11	1.95	0.49
14:A3:803:CLA:H142	8:J3:19:MET:HB3	1.95	0.49
16:B4:846:BCR:H382	16:B4:846:BCR:H23C	1.94	0.49
6:F4:69:LEU:HB2	14:J4:102:CLA:CBB	2.42	0.49
14:L4:203:CLA:C1B	14:L4:204:CLA:HED1	2.43	0.49
14:A6:1614:CLA:HBA2	14:A6:1616:CLA:HMB3	1.94	0.49
14:B6:808:CLA:C1A	14:B6:808:CLA:CGA	2.91	0.49
3:C6:18:ARG:NH2	13:P6:97:TYR:CE2	2.81	0.49
3:C6:18:ARG:NE	13:P6:97:TYR:CE2	2.81	0.49
1:A1:482:LEU:HB2	1:A1:533:THR:HG23	1.93	0.49
2:B1:625:TRP:HB3	14:B1:804:CLA:H91	1.94	0.49
4:D1:30:THR:HA	4:D1:54:ASN:O	2.13	0.49
1:A2:40:ARG:HG3	13:P2:60:SER:HB2	1.94	0.49
14:A2:1623:CLA:CMD	14:A2:1624:CLA:HBB1	2.42	0.49
2:B2:658:PHE:HE2	2:B2:725:LEU:CD1	2.25	0.49
14:B2:829:CLA:HMB2	14:B2:830:CLA:C2D	2.43	0.49
6:F2:88:VAL:HG11	6:F2:97:LYS:CB	2.43	0.49
1:A3:564:ARG:NH2	4:D3:14:THR:O	2.46	0.49
14:A3:843:CLA:H171	10:L3:85:LEU:HD11	1.94	0.49
2:B3:727:TYR:HB2	14:B3:1803:CLA:HED3	1.95	0.49
6:F3:88:VAL:HG11	6:F3:97:LYS:CB	2.43	0.49
2:B4:133:ASP:O	2:B4:136:GLN:HG2	2.11	0.49
14:A6:1618:CLA:H41	14:A6:1634:CLA:HAA2	1.95	0.49
2:B6:423:SER:HB2	14:B6:803:CLA:HED2	1.94	0.49
10:L6:65:LEU:HA	10:L6:69:ARG:HD3	1.95	0.49
1:A5:741:ALA:HB2	16:A5:850:BCR:H323	1.95	0.49
2:B5:710:GLN:HG3	19:B5:1851:LMG:H111	1.93	0.49
6:F5:88:VAL:O	6:F5:89:ARG:C	2.49	0.49
13:P4:27:ASP:OD1	13:P4:41:ARG:NH2	2.46	0.49
1:A1:259:GLY:C	1:A1:261:PHE:H	2.16	0.49
2:B1:233:ALA:HB1	14:B1:817:CLA:HED3	1.95	0.49
2:B1:682:GLU:HG2	3:C1:80:TYR:CE2	2.47	0.49
1:A2:28:TRP:HE1	14:A2:1613:CLA:CHB	2.25	0.49
1:A2:259:GLY:C	1:A2:261:PHE:H	2.16	0.49
2:B2:65:PHE:CE2	14:B2:806:CLA:C4C	2.96	0.49
2:B2:275:HIS:HE1	14:B2:816:CLA:C4C	2.26	0.49
2:B2:376:THR:HG23	2:B2:597:THR:HG21	1.94	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
6:F2:65:ILE:HG23	14:F2:204:CLA:C2B	2.42	0.49
1:A3:356:LEU:O	1:A3:360:LEU:HB2	2.12	0.49
1:A3:577:PRO:O	1:A3:578:CYS:HB3	2.13	0.49
2:B3:360:PRO:HB2	14:B3:1820:CLA:HAA2	1.95	0.49
14:B3:1806:CLA:H2	11:M3:26:SER:HB2	1.94	0.49
10:L3:58:LEU:HD22	10:L3:85:LEU:HD12	1.94	0.49
7:I4:1:MET:HG3	10:L6:150:THR:O	2.13	0.49
7:I4:13:ILE:O	7:I4:16:PRO:HD2	2.13	0.49
16:B6:844:BCR:H382	16:B6:844:BCR:H23C	1.93	0.49
16:B6:850:BCR:HC8	16:B6:850:BCR:H331	1.95	0.49
1:A5:548:VAL:HG11	1:A5:601:TRP:CZ2	2.48	0.49
14:A5:806:CLA:H3A	14:A5:830:CLA:HAB	1.95	0.49
1:A1:741:ALA:HB2	16:A1:847:BCR:H323	1.94	0.49
2:B1:298:HIS:CE1	14:B1:823:CLA:HMD1	2.48	0.49
2:B1:496:GLY:CA	14:B1:836:CLA:HED2	2.43	0.49
8:J1:31:ARG:NH1	14:J1:101:CLA:HED2	2.27	0.49
1:A2:47:TRP:CZ3	1:A2:51:LEU:HD12	2.47	0.49
1:A2:272:TRP:CZ3	14:A2:1619:CLA:H2	2.48	0.49
1:A2:353:HIS:CD2	14:A2:1607:CLA:HBC1	2.47	0.49
14:A2:1601:CLA:HMD2	10:L2:21:ILE:CD1	2.43	0.49
2:B2:150:PHE:CD2	14:B2:810:CLA:HBC3	2.48	0.49
14:B2:806:CLA:HBC2	11:M2:12:LEU:HD23	1.95	0.49
5:E2:3:ARG:HH12	13:P2:31:GLU:CB	2.25	0.49
14:B3:1806:CLA:H2	11:M3:26:SER:CB	2.42	0.49
1:A4:385:THR:HG23	1:A4:523:LYS:HB2	1.94	0.49
14:A4:820:CLA:HMD1	14:A4:821:CLA:HBB1	1.95	0.49
3:C4:65:ARG:HG2	3:C4:67:TYR:CZ	2.48	0.49
7:I4:12:TRP:CE2	10:L6:149:MET:HG3	2.48	0.49
4:D6:32:THR:HA	4:D6:52:GLY:O	2.13	0.49
2:B5:232:TYR:CD2	2:B5:253:ILE:HD11	2.47	0.49
2:B5:720:SER:HB2	19:B5:1851:LMG:H391	1.95	0.49
3:C5:45:GLU:N	3:C5:45:GLU:OE1	2.45	0.49
3:C5:52:ARG:HA	3:C5:55:THR:HB	1.95	0.49
1:A1:375:TYR:CE1	1:A1:376:ALA:HB2	2.48	0.48
2:B1:433:GLY:HA2	2:B1:531:LEU:HD22	1.93	0.48
1:A2:680:HIS:CD2	14:B2:802:CLA:O1D	2.66	0.48
2:B2:456:ILE:HG22	2:B2:458:ILE:CD1	2.43	0.48
5:E2:24:ALA:O	5:E2:25:SER:HB3	2.12	0.48
5:E2:37:ILE:HG21	13:P2:41:ARG:HD3	1.95	0.48
1:A3:651:ARG:HB2	2:B3:638:ILE:HG23	1.94	0.48
14:L3:203:CLA:C1B	14:L3:204:CLA:HED1	2.43	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A4:215:HIS:HB2	14:A4:813:CLA:CHC	2.43	0.48
1:A4:356:LEU:O	1:A4:360:LEU:HB2	2.12	0.48
2:B4:414:VAL:HG11	16:B4:848:BCR:H401	1.94	0.48
7:I4:25:VAL:CG2	14:L6:206:CLA:H62	2.43	0.48
10:L4:41:LEU:HD13	10:L4:45:LEU:HD23	1.95	0.48
14:A6:1622:CLA:H3A	14:A6:1622:CLA:HBA2	1.51	0.48
2:B6:433:GLY:HA2	2:B6:531:LEU:HD22	1.93	0.48
2:B6:727:TYR:HB2	14:B6:804:CLA:HED3	1.95	0.48
1:A5:196:MET:HE2	14:A5:813:CLA:HBC2	1.93	0.48
14:A5:828:CLA:H93	16:J5:103:BCR:H20C	1.95	0.48
13:P1:27:ASP:OD1	13:P1:41:ARG:NH2	2.46	0.48
1:A1:445:ASN:ND2	14:B1:806:CLA:HED2	2.28	0.48
1:A1:473:ASP:HA	10:L1:69:ARG:HH22	1.79	0.48
2:B1:122:TRP:CZ2	14:B1:814:CLA:C19	2.93	0.48
1:A2:543:ALA:HB1	14:A2:1639:CLA:HMB3	1.95	0.48
1:A2:694:ARG:NH1	2:B2:572:GLY:O	2.46	0.48
2:B2:166:TRP:CZ2	14:B2:812:CLA:CAC	2.94	0.48
2:B2:641:TYR:OH	2:B2:657:LEU:HD12	2.13	0.48
3:C2:7:TYR:CE1	4:D2:119:ILE:HD12	2.48	0.48
2:B3:300:ILE:HD13	14:B3:1826:CLA:HAC1	1.95	0.48
16:B3:1846:BCR:H382	16:B3:1846:BCR:H23C	1.94	0.48
2:B4:481:LEU:CD1	14:B4:836:CLA:HED3	2.43	0.48
6:F4:76:TRP:CD1	14:F4:202:CLA:HBD	2.48	0.48
14:A6:1651:CLA:H61	14:A6:1651:CLA:H41	1.65	0.48
14:B6:839:CLA:HBC2	14:X6:1701:CLA:HBC3	1.94	0.48
1:A5:360:LEU:HD11	14:A5:830:CLA:HBB1	1.95	0.48
14:A5:803:CLA:H142	8:J5:19:MET:HB3	1.95	0.48
14:A5:821:CLA:CMB	14:A5:825:CLA:HMA3	2.43	0.48
14:B5:1804:CLA:H61	14:B5:1804:CLA:H41	1.64	0.48
3:C5:17:VAL:CA	3:C5:25:LEU:HD12	2.44	0.48
1:A1:360:LEU:HD13	14:A1:829:CLA:HBB1	1.94	0.48
1:A1:592:TRP:NE1	14:A1:829:CLA:HMD1	2.28	0.48
14:A1:820:CLA:HMD1	14:A1:821:CLA:HBB1	1.96	0.48
2:B1:166:TRP:CZ2	14:B1:814:CLA:HAC2	2.48	0.48
2:B1:463:ALA:N	14:B1:839:CLA:OBD	2.38	0.48
2:B1:723:TYR:CE1	14:B1:804:CLA:CGA	2.96	0.48
1:A2:180:TYR:CE2	14:A2:1613:CLA:C4D	2.97	0.48
2:B2:303:MET:HA	14:B2:821:CLA:O1D	2.13	0.48
14:B2:813:CLA:HAB	14:B2:827:CLA:H13	1.95	0.48
1:A3:24:SER:O	14:A3:811:CLA:HMA1	2.13	0.48
1:A3:275:TYR:CZ	14:A3:815:CLA:HMD2	2.48	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A3:352:TRP:CZ2	14:A3:825:CLA:H18	2.48	0.48
1:A3:677:LEU:HD11	2:B3:623:MET:HB2	1.94	0.48
14:A3:834:CLA:C1	10:L3:62:TRP:NE1	2.76	0.48
1:A4:120:ILE:C	1:A4:122:GLY:H	2.16	0.48
1:A4:473:ASP:OD1	10:L4:69:ARG:NH2	2.46	0.48
14:A4:820:CLA:CMB	14:A4:824:CLA:HMA3	2.42	0.48
16:A4:847:BCR:H333	16:A4:848:BCR:H333	1.95	0.48
2:B4:181:LEU:HD11	14:B4:815:CLA:C1	2.42	0.48
2:B4:275:HIS:O	2:B4:279:ILE:HG12	2.13	0.48
10:L4:93:LEU:HB3	10:L4:121:THR:HG23	1.94	0.48
14:A6:1621:CLA:CMD	14:A6:1622:CLA:HBB1	2.43	0.48
2:B6:589:MET:O	2:B6:593:ILE:HG12	2.12	0.48
14:B6:809:CLA:H201	7:I6:23:PRO:CA	2.42	0.48
14:B6:809:CLA:HMB3	14:B6:810:CLA:CHC	2.43	0.48
10:L6:21:ILE:HG21	14:L6:202:CLA:C3D	2.43	0.48
1:A5:48:ILE:CD1	14:A5:840:CLA:HMA1	2.44	0.48
3:C5:13:CYS:HB2	3:C5:15:GLN:HE21	1.78	0.48
13:P2:27:ASP:OD1	13:P2:41:ARG:NH2	2.46	0.48
1:A1:453:PHE:C	14:L1:202:CLA:HBB2	2.33	0.48
14:B1:815:CLA:HAB	14:B1:829:CLA:H13	1.96	0.48
1:A2:363:MET:HE3	14:A2:1631:CLA:HMC1	1.95	0.48
14:B2:818:CLA:HMB2	14:B2:823:CLA:HMA3	1.94	0.48
14:A3:826:CLA:H162	16:A3:850:BCR:H272	1.95	0.48
2:B3:514:LEU:HD12	14:B3:1828:CLA:CMC	2.43	0.48
1:A4:456:PHE:HE2	14:B4:805:CLA:H92	1.75	0.48
1:A4:604:ASN:HD21	14:A4:801:CLA:H201	1.77	0.48
2:B4:711:ALA:HB2	15:B4:844:PQN:C8	2.42	0.48
10:L4:54:HIS:HA	10:L4:57:PHE:CE2	2.48	0.48
2:B6:419:GLU:CD	2:B6:419:GLU:H	2.16	0.48
2:B6:526:HIS:CD2	14:B6:838:CLA:HED3	2.48	0.48
14:B6:830:CLA:HMB2	14:B6:831:CLA:C2D	2.44	0.48
1:A5:336:PHE:CB	17:A5:852:LHG:HC41	2.42	0.48
1:A5:681:PHE:CG	16:A5:850:BCR:H363	2.49	0.48
14:A5:814:CLA:HBA2	14:A5:816:CLA:HMB3	1.94	0.48
2:B5:267:LEU:HD22	14:B5:1819:CLA:HBA1	1.95	0.48
2:B5:642:ASN:HB2	2:B5:643:PRO:HD2	1.94	0.48
14:B5:1803:CLA:H72	14:B5:1804:CLA:CED	2.44	0.48
13:P3:27:ASP:OD1	13:P3:41:ARG:NH2	2.46	0.48
1:A1:275:TYR:CE2	14:A1:814:CLA:HMD2	2.48	0.48
14:A1:839:CLA:HMA1	2:B1:694:ALA:HB1	1.96	0.48
2:B1:181:LEU:HD11	14:B1:814:CLA:C1	2.40	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
10:L1:135:ALA:O	10:L1:139:LEU:HG	2.14	0.48
7:I2:10:LEU:N	7:I2:11:PRO:CD	2.77	0.48
11:M3:17:LEU:HG	14:M3:1601:CLA:CMB	2.43	0.48
1:A4:28:TRP:HZ2	14:A4:803:CLA:H11	1.77	0.48
1:A4:488:GLN:NE2	1:A4:531:LEU:O	2.47	0.48
1:A4:677:LEU:HD21	2:B4:626:LEU:HD22	1.96	0.48
1:A6:468:PHE:HZ	14:B6:809:CLA:CHC	2.26	0.48
1:A6:696:TYR:OH	14:A6:1603:CLA:OBD	2.30	0.48
10:L6:57:PHE:CD1	10:L6:57:PHE:C	2.86	0.48
10:L6:79:LEU:HD22	10:L6:136:PHE:CD2	2.48	0.48
1:A5:647:ASN:HB2	2:B5:657:LEU:HD11	1.96	0.48
2:B5:176:HIS:CG	14:B5:1815:CLA:HMC2	2.48	0.48
2:B5:189:TRP:CA	14:B5:1816:CLA:HBB1	2.43	0.48
10:L5:65:LEU:HA	10:L5:69:ARG:HD3	1.96	0.48
1:A1:65:LEU:HD23	1:A1:187:LEU:HD21	1.96	0.48
1:A1:215:HIS:HB2	14:A1:813:CLA:C1C	2.43	0.48
1:A1:682:ILE:CD1	16:A1:847:BCR:H353	2.43	0.48
2:B1:227:GLY:HA2	14:B1:817:CLA:C4	2.43	0.48
2:B1:353:GLN:HG3	14:B1:826:CLA:O1D	2.12	0.48
2:B1:466:ILE:CD1	14:B1:838:CLA:CGA	2.92	0.48
8:J1:28:GLU:HG3	14:J1:101:CLA:C1B	2.44	0.48
10:L1:35:PRO:HG3	14:L1:206:CLA:HED2	1.96	0.48
14:M1:1201:CLA:HMB2	16:M1:1202:BCR:HC42	1.96	0.48
1:A2:472:GLN:OE1	1:A2:472:GLN:N	2.47	0.48
1:A2:590:SER:OG	1:A2:593:ASP:OD2	2.32	0.48
14:B2:808:CLA:HMB3	14:B2:809:CLA:CHC	2.44	0.48
4:D2:39:PHE:CE1	4:D2:67:LEU:HD11	2.48	0.48
1:A3:682:ILE:HD12	16:A3:852:BCR:C35	2.44	0.48
14:B3:1832:CLA:HMB2	14:B3:1833:CLA:C2D	2.43	0.48
10:L3:46:ARG:O	10:L3:50:VAL:HG23	2.14	0.48
2:B4:195:HIS:CG	14:B4:816:CLA:HBC3	2.49	0.48
2:B4:481:LEU:CA	2:B4:489:SER:OG	2.61	0.48
14:B4:803:CLA:H72	14:B4:804:CLA:CED	2.44	0.48
1:A6:215:HIS:HB2	14:A6:1614:CLA:CHC	2.43	0.48
1:A6:578:CYS:SG	18:B6:801:SF4:S4	3.03	0.48
2:B6:589:MET:HA	14:B6:825:CLA:HBC1	1.96	0.48
2:B5:710:GLN:CG	19:B5:1851:LMG:H111	2.44	0.48
8:J5:32:PHE:C	8:J5:34:PRO:HD3	2.33	0.48
14:L5:204:CLA:C1B	14:L5:205:CLA:HED1	2.43	0.48
13:P6:27:ASP:OD1	13:P6:41:ARG:NH2	2.46	0.48
1:A1:215:HIS:HB2	14:A1:813:CLA:CHC	2.43	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B1:189:TRP:CD2	14:B1:819:CLA:HMD3	2.48	0.48
2:B1:261:HIS:HD2	2:B1:263:GLN:H	1.60	0.48
2:B1:334:HIS:CE1	2:B1:395:ILE:HG21	2.49	0.48
14:B1:810:CLA:C1A	14:B1:810:CLA:CGA	2.91	0.48
2:B2:350:LEU:HD13	14:B2:825:CLA:HAA1	1.95	0.48
5:E2:7:VAL:O	5:E2:20:VAL:HA	2.14	0.48
1:A3:360:LEU:HD21	14:A3:830:CLA:CHC	2.44	0.48
2:B3:195:HIS:CG	14:B3:1816:CLA:HBC3	2.47	0.48
2:B3:384:PHE:CD2	14:B3:1808:CLA:H112	2.48	0.48
14:B3:1810:CLA:O1A	14:B3:1829:CLA:HBD	2.14	0.48
6:F3:76:TRP:CZ3	14:F3:202:CLA:HBA2	2.48	0.48
1:A4:497:ALA:N	1:A4:498:PRO:CD	2.76	0.48
1:A4:582:GLY:HA3	3:C4:48:VAL:O	2.14	0.48
14:A4:828:CLA:HBB1	14:A4:828:CLA:HMB1	1.94	0.48
14:A4:829:CLA:H111	17:A4:850:LHG:H202	1.95	0.48
6:F4:76:TRP:CZ2	14:F4:202:CLA:O1A	2.67	0.48
1:A6:189:TRP:CZ3	14:A6:1613:CLA:HMD3	2.49	0.48
2:B6:562:ALA:HB2	2:B6:579:TRP:CD1	2.49	0.48
2:B6:716:LEU:O	2:B6:720:SER:OG	2.25	0.48
6:F6:76:TRP:HZ2	14:F6:202:CLA:O2D	1.95	0.48
1:A5:90:MET:HE1	14:A5:808:CLA:HAA2	1.94	0.48
1:A5:120:ILE:C	1:A5:122:GLY:H	2.16	0.48
14:A5:821:CLA:HAA2	14:A5:825:CLA:HBB1	1.96	0.48
14:B5:1843:CLA:C20	7:I5:27:MET:HE3	2.43	0.48
5:E5:8:LYS:HA	5:E5:19:GLU:O	2.12	0.48
9:K5:63:THR:O	9:K5:67:HIS:N	2.46	0.48
1:A2:189:TRP:CE2	14:A2:1615:CLA:HAC2	2.48	0.48
1:A2:215:HIS:HB2	14:A2:1616:CLA:CHC	2.44	0.48
1:A2:356:LEU:O	1:A2:360:LEU:HB2	2.14	0.48
2:B2:526:HIS:CG	14:B2:837:CLA:HED3	2.47	0.48
14:B2:832:CLA:H11	8:J2:29:PHE:CE2	2.49	0.48
2:B3:430:LEU:HD12	14:B3:1802:CLA:HBA2	1.94	0.48
14:B3:1801:CLA:O1A	14:M3:1601:CLA:HAA2	2.13	0.48
3:C3:54:GLU:HG2	3:C3:62:LEU:HD13	1.95	0.48
1:A4:33:HIS:CG	1:A4:34:PHE:N	2.82	0.48
14:B4:831:CLA:H8	19:B4:851:LMG:H242	1.95	0.48
1:A6:120:ILE:C	1:A6:122:GLY:H	2.16	0.48
1:A6:283:GLY:O	1:A6:508:THR:O	2.32	0.48
14:A6:1602:CLA:HMB3	14:A6:1651:CLA:OBD	2.14	0.48
14:A6:1621:CLA:CMB	14:A6:1625:CLA:HMA3	2.43	0.48
2:B6:390:PHE:CD1	2:B6:540:LEU:HD13	2.49	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B5:1816:CLA:HAB	14:B5:1830:CLA:H13	1.96	0.48
14:B5:1826:CLA:H61	14:B5:1828:CLA:H42	1.96	0.48
6:F5:73:ILE:O	6:F5:76:TRP:HB3	2.12	0.48
16:J5:105:BCR:H331	16:J5:105:BCR:HC8	1.94	0.48
16:A1:846:BCR:H23C	16:A1:846:BCR:H382	1.96	0.48
2:B1:136:GLN:NE2	14:B1:815:CLA:HBD	2.29	0.48
2:B1:499:TRP:CZ2	14:B1:836:CLA:HMA2	2.49	0.48
14:B1:804:CLA:H72	14:B1:805:CLA:CED	2.44	0.48
1:A2:161:THR:HG22	16:A2:1648:BCR:HC32	1.96	0.48
1:A2:680:HIS:HD2	14:B2:802:CLA:O1D	1.96	0.48
16:A2:1650:BCR:H333	16:A2:1651:BCR:H333	1.95	0.48
2:B2:445:VAL:HG21	14:B2:832:CLA:HAC2	1.96	0.48
14:B2:838:CLA:HBC2	14:X2:1701:CLA:HBC3	1.94	0.48
10:L2:124:PHE:CZ	16:L2:208:BCR:H292	2.49	0.48
14:M2:1201:CLA:HMB2	16:M2:1202:BCR:HC42	1.96	0.48
1:A3:259:GLY:C	1:A3:261:PHE:H	2.17	0.48
1:A3:726:GLN:NE2	17:A3:853:LHG:HC81	2.29	0.48
14:B3:1810:CLA:HMB2	14:B3:1810:CLA:H142	1.96	0.48
1:A4:565:LEU:HD11	1:A4:583:ARG:HB3	1.95	0.48
2:B4:256:PHE:CD1	14:B4:819:CLA:HAB	2.47	0.48
14:B4:821:CLA:HMB2	14:B4:826:CLA:HMA3	1.94	0.48
3:C4:3:THR:HG21	4:D4:136:TYR:CE1	2.49	0.48
1:A6:215:HIS:HB2	14:A6:1614:CLA:C1C	2.44	0.48
1:A6:741:ALA:HB2	16:A6:1648:BCR:H323	1.96	0.48
16:A6:1646:BCR:H333	16:A6:1647:BCR:H333	1.95	0.48
2:B6:90:ILE:HB	2:B6:111:PRO:HB2	1.96	0.48
2:B6:599:TYR:CE1	14:B6:837:CLA:HBC2	2.49	0.48
2:B6:642:ASN:HB2	2:B6:643:PRO:HD2	1.95	0.48
1:A5:572:LEU:HD21	3:C5:52:ARG:NH2	2.28	0.48
2:B5:466:ILE:HD12	14:B5:1839:CLA:CGA	2.43	0.48
10:L5:90:THR:HA	10:L5:93:LEU:HD12	1.95	0.48
14:A1:820:CLA:CMB	14:A1:824:CLA:HMA3	2.43	0.48
2:B1:290:TYR:OH	14:B1:820:CLA:O1D	2.30	0.48
6:F1:73:ILE:HG23	14:F1:1301:CLA:HAA1	1.96	0.48
1:A2:446:TRP:CD1	14:A2:1644:CLA:O1A	2.67	0.48
14:A2:1606:CLA:HMC3	14:A2:1608:CLA:HED2	1.96	0.48
2:B2:50:PHE:CD1	2:B2:152:GLY:HA2	2.49	0.48
2:B2:738:LYS:O	2:B2:739:PHE:CB	2.60	0.48
4:D2:30:THR:O	4:D2:80:TYR:HA	2.14	0.48
1:A3:283:GLY:O	1:A3:508:THR:O	2.32	0.48
1:A3:686:SER:HB3	1:A3:734:HIS:CB	2.44	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B3:231:VAL:O	2:B3:234:GLN:HG2	2.14	0.48
2:B3:350:LEU:HD23	14:B3:1820:CLA:H62	1.96	0.48
16:B3:1851:BCR:HC8	16:B3:1851:BCR:H331	1.96	0.48
1:A4:399:TRP:NE1	14:A4:827:CLA:HAB	2.29	0.48
1:A4:651:ARG:HD2	2:B4:639:ASN:ND2	2.29	0.48
14:A4:831:CLA:HMA1	2:B4:691:THR:OG1	2.13	0.48
2:B4:188:ALA:CB	14:B4:830:CLA:H202	2.43	0.48
2:B4:466:ILE:HD13	14:B4:836:CLA:HBB1	1.96	0.48
14:B4:819:CLA:HBA2	14:B4:819:CLA:H3A	1.47	0.48
14:B4:852:CLA:CBA	14:A6:1601:CLA:HAA2	2.43	0.48
6:F4:63:PHE:C	6:F4:66:PRO:HD2	2.35	0.48
8:J4:33:TYR:N	8:J4:34:PRO:HD3	2.29	0.48
10:L4:134:VAL:CB	16:L4:208:BCR:H403	2.44	0.48
1:A6:475:PHE:HA	1:A6:480:ILE:O	2.14	0.48
14:B6:807:CLA:H61	14:B6:807:CLA:H41	1.69	0.48
17:B6:849:LHG:HC2	12:X6:12:ARG:NH2	2.29	0.48
5:E6:68:VAL:O	5:E6:69:ALA:O	2.31	0.48
1:A5:34:PHE:CD1	1:A5:61:HIS:CE1	3.02	0.48
1:A5:259:GLY:C	1:A5:261:PHE:H	2.16	0.48
2:B5:361:TYR:HE2	14:B5:1820:CLA:O2D	1.97	0.48
2:B5:573:THR:O	2:B5:576:ILE:HB	2.14	0.48
2:B1:288:HIS:O	14:B1:822:CLA:HHD	2.14	0.47
14:B1:811:CLA:C20	7:I1:26:VAL:CG2	2.85	0.47
7:I1:30:LEU:HD13	16:I1:103:BCR:C7	2.44	0.47
2:B2:90:ILE:HB	2:B2:111:PRO:HB2	1.93	0.47
6:F2:77:ILE:HG12	14:F2:202:CLA:C4D	2.44	0.47
10:L2:41:LEU:HD13	10:L2:45:LEU:HD23	1.96	0.47
2:B3:664:ALA:HB3	14:B3:1805:CLA:HBB2	1.95	0.47
9:K3:74:VAL:C	9:K3:76:GLY:H	2.16	0.47
10:L3:115:GLU:OE1	10:L3:115:GLU:N	2.43	0.47
14:A4:830:CLA:HBB1	14:A4:837:CLA:CBB	2.44	0.47
2:B4:28:HIS:CE1	14:B4:808:CLA:HED1	2.49	0.47
2:B4:157:GLN:O	2:B4:161:ARG:HG3	2.14	0.47
2:B4:229:TRP:CD2	14:B4:818:CLA:HMB2	2.49	0.47
14:B4:806:CLA:H3A	11:M4:29:LEU:HD13	1.96	0.47
14:B4:826:CLA:H61	14:B4:828:CLA:H42	1.96	0.47
9:K4:74:VAL:C	9:K4:76:GLY:H	2.17	0.47
14:A6:1604:CLA:HMC3	14:A6:1606:CLA:HED2	1.96	0.47
2:B6:286:ALA:HB2	14:B6:819:CLA:HBC2	1.95	0.47
1:A5:215:HIS:HB2	14:A5:814:CLA:C1C	2.44	0.47
2:B5:462:PHE:CE2	14:X5:101:CLA:HBD	2.48	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B5:1827:CLA:H3A	14:B5:1827:CLA:HBA2	1.73	0.47
3:C5:17:VAL:HG22	3:C5:25:LEU:HB2	1.96	0.47
13:P5:27:ASP:OD1	13:P5:41:ARG:NH2	2.46	0.47
2:B1:430:LEU:HD13	14:B1:802:CLA:HED3	1.95	0.47
2:B1:531:LEU:HD21	14:B1:805:CLA:CBB	2.44	0.47
6:F1:61:GLY:HA3	8:J1:39:HIS:O	2.15	0.47
7:I1:16:PRO:HB3	7:I1:20:TRP:CE3	2.48	0.47
1:A2:272:TRP:HZ3	14:A2:1619:CLA:H2	1.79	0.47
8:J2:24:GLY:HA3	14:J2:101:CLA:CBB	2.38	0.47
1:A3:444:LEU:HD11	1:A3:547:HIS:HD2	1.78	0.47
2:B3:91:TRP:CZ3	7:I3:1:MET:HB3	2.50	0.47
12:X3:12:ARG:HB3	17:X3:101:LHG:C4	2.44	0.47
1:A4:56:HIS:HB3	14:A4:804:CLA:HAB	1.95	0.47
1:A4:283:GLY:O	1:A4:508:THR:O	2.31	0.47
1:A4:297:THR:O	1:A4:300:HIS:HB3	2.14	0.47
2:B4:125:THR:HG22	14:B4:820:CLA:HED1	1.95	0.47
2:B4:430:LEU:HD11	16:F4:201:BCR:C40	2.44	0.47
2:B4:532:GLY:HA2	2:B4:588:TRP:CZ3	2.48	0.47
14:B4:833:CLA:HBC3	16:F4:203:BCR:H362	1.96	0.47
12:X4:23:ASN:OD1	14:X4:102:CLA:NA	2.47	0.47
2:B6:725:LEU:HD11	14:B6:829:CLA:H203	1.96	0.47
1:A5:283:GLY:O	1:A5:508:THR:O	2.31	0.47
16:A5:848:BCR:H333	16:A5:849:BCR:H333	1.95	0.47
1:A1:470:ARG:NH1	2:B1:94:GLN:O	2.46	0.47
14:A1:813:CLA:HBA2	14:A1:815:CLA:HMB3	1.95	0.47
2:B1:290:TYR:CE2	14:B1:820:CLA:O1D	2.68	0.47
10:L1:110:PRO:O	10:L1:113:THR:OG1	2.33	0.47
1:A2:40:ARG:HG3	13:P2:60:SER:CB	2.44	0.47
14:A2:1606:CLA:H2	14:A2:1613:CLA:H92	1.96	0.47
2:B2:717:ALA:HA	19:B2:848:LMG:H371	1.97	0.47
4:D2:17:LEU:HG	10:L2:13:PHE:O	2.14	0.47
16:A3:852:BCR:H362	14:B3:1804:CLA:C4	2.35	0.47
2:B3:622:LEU:HD11	14:B3:1803:CLA:H202	1.96	0.47
14:A4:809:CLA:HBA2	14:A4:809:CLA:H3A	1.71	0.47
14:A4:825:CLA:H162	16:A4:847:BCR:H272	1.96	0.47
14:L4:205:CLA:HMD1	14:B5:1812:CLA:H203	1.97	0.47
1:A6:302:LEU:HD21	14:A6:1617:CLA:C3B	2.45	0.47
14:B6:810:CLA:CGA	10:L5:148:ILE:HG12	2.44	0.47
14:B6:835:CLA:HBA2	14:B6:836:CLA:HMB3	1.97	0.47
4:D6:30:THR:O	4:D6:80:TYR:HA	2.13	0.47
1:A5:375:TYR:CE1	1:A5:376:ALA:HB2	2.48	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A5:587:CYS:HB2	2:B5:673:TRP:HB3	1.95	0.47
1:A5:744:TRP:CD2	16:A5:850:BCR:HC22	2.49	0.47
2:B1:573:THR:O	2:B1:576:ILE:HB	2.14	0.47
16:B1:852:BCR:HC8	16:B1:852:BCR:H331	1.95	0.47
1:A2:283:GLY:O	1:A2:508:THR:O	2.32	0.47
1:A2:539:HIS:CG	14:A2:1639:CLA:HED2	2.49	0.47
1:A3:459:TYR:OH	1:A3:538:VAL:HG13	2.14	0.47
14:A3:831:CLA:HBB1	14:A3:839:CLA:CBB	2.45	0.47
2:B3:470:HIS:HA	14:B3:1836:CLA:HED3	1.96	0.47
2:B3:493:PRO:CG	14:B3:1838:CLA:C4D	2.90	0.47
2:B3:669:PHE:HA	15:B3:1844:PQN:O1	2.14	0.47
1:A4:47:TRP:CZ3	1:A4:51:LEU:HD12	2.49	0.47
1:A4:353:HIS:CD2	14:A4:804:CLA:HBC1	2.48	0.47
2:B4:592:THR:O	2:B4:596:VAL:HG13	2.14	0.47
2:B4:652:TRP:CH2	14:B4:810:CLA:CBC	2.97	0.47
3:C4:14:THR:HG22	3:C4:27:MET:HG3	1.96	0.47
8:J4:21:ILE:HA	14:J4:101:CLA:HBB2	1.96	0.47
2:B6:8:SER:HA	2:B6:34:ASP:OD2	2.14	0.47
2:B6:52:HIS:CE1	14:B6:806:CLA:HMA1	2.48	0.47
2:B6:380:TYR:CD1	2:B6:593:ILE:HG21	2.49	0.47
14:B6:803:CLA:C19	6:F6:84:TYR:HB2	2.45	0.47
10:L6:21:ILE:HG21	14:L6:202:CLA:C4D	2.44	0.47
1:A5:204:LEU:HD11	14:A5:829:CLA:C14	2.44	0.47
1:A5:257:ASP:OD1	1:A5:258:TRP:N	2.46	0.47
1:A5:332:HIS:CD2	14:A5:843:CLA:CMC	2.97	0.47
2:B1:358:LEU:HG	14:B1:827:CLA:HMC2	1.96	0.47
2:B1:398:VAL:HG23	2:B1:547:ALA:HB1	1.97	0.47
14:A2:1631:CLA:HBB1	14:A2:1631:CLA:HMB1	1.95	0.47
14:B2:808:CLA:H102	14:B2:826:CLA:H193	1.96	0.47
3:C2:13:CYS:O	3:C2:15:GLN:NE2	2.47	0.47
2:B3:537:THR:HG21	14:B3:1827:CLA:HBB2	1.96	0.47
14:B3:1810:CLA:C1A	14:B3:1810:CLA:CGA	2.93	0.47
14:B3:1816:CLA:HAB	14:B3:1830:CLA:H13	1.96	0.47
14:B3:1827:CLA:HBA2	14:B3:1827:CLA:H3A	1.75	0.47
7:I3:20:TRP:CE2	16:I3:102:BCR:HC22	2.49	0.47
1:A4:572:LEU:HD21	3:C4:52:ARG:NH2	2.30	0.47
14:A4:821:CLA:HBA2	14:A4:821:CLA:H3A	1.52	0.47
2:B4:173:ARG:HB2	14:B4:815:CLA:HBC2	1.96	0.47
2:B4:361:TYR:O	2:B4:364:ILE:HG22	2.14	0.47
7:I4:9:PHE:CE1	7:I4:10:LEU:HD13	2.49	0.47
10:L4:53:ALA:HB2	14:L4:204:CLA:HED3	1.97	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A6:56:HIS:CG	14:A6:1605:CLA:HAB	2.50	0.47
14:A6:1626:CLA:H162	16:A6:1646:BCR:H272	1.97	0.47
6:F6:99:ILE:O	8:J6:11:ALA:N	2.43	0.47
7:I6:23:PRO:HA	7:I6:26:VAL:HG22	1.96	0.47
1:A5:387:TYR:CE2	1:A5:622:TRP:CD1	3.03	0.47
1:A5:466:ARG:HG2	2:B5:641:TYR:HD1	1.79	0.47
14:A5:829:CLA:HMB1	14:A5:829:CLA:HBB1	1.96	0.47
16:A5:849:BCR:H23C	16:A5:849:BCR:H382	1.96	0.47
14:A1:816:CLA:H11	14:A1:816:CLA:ND	2.29	0.47
2:B1:53:LEU:HD13	14:B1:807:CLA:CGA	2.42	0.47
2:B1:173:ARG:NE	14:B1:825:CLA:HMD1	2.30	0.47
2:B1:442:HIS:HE1	14:B1:834:CLA:C4D	2.28	0.47
2:B1:727:TYR:N	14:B1:804:CLA:O1D	2.46	0.47
14:B1:810:CLA:HMB2	14:B1:810:CLA:H142	1.97	0.47
14:B1:811:CLA:HMB3	14:B1:854:CLA:CHC	2.45	0.47
14:B1:825:CLA:H61	14:B1:827:CLA:H42	1.97	0.47
1:A2:215:HIS:HB2	14:A2:1616:CLA:C1C	2.45	0.47
1:A2:360:LEU:HD13	14:A2:1632:CLA:HBB1	1.97	0.47
1:A2:403:PHE:HB3	14:A2:1608:CLA:H112	1.97	0.47
2:B2:637:LEU:HD21	2:B2:656:PHE:CD1	2.49	0.47
14:B2:830:CLA:HBC3	16:F2:203:BCR:H362	1.97	0.47
14:L2:205:CLA:H43	14:L2:205:CLA:HMB2	1.97	0.47
14:A3:822:CLA:H3A	14:A3:822:CLA:HBA2	1.51	0.47
2:B3:184:VAL:HG12	16:B3:1846:BCR:H352	1.95	0.47
14:B3:1808:CLA:H61	14:B3:1808:CLA:H41	1.69	0.47
14:B3:1811:CLA:HMB3	14:B3:1812:CLA:CHC	2.45	0.47
2:B4:7:PHE:CD1	2:B4:33:HIS:CD2	3.01	0.47
2:B4:229:TRP:HB2	14:B4:818:CLA:H12	1.95	0.47
2:B4:438:GLY:HA3	14:B4:835:CLA:HBB1	1.97	0.47
1:A6:377:MET:N	1:A6:378:PRO:CD	2.78	0.47
10:L6:35:PRO:HD2	14:L6:207:CLA:OBD	2.14	0.47
2:B5:261:HIS:HD2	2:B5:263:GLN:N	2.11	0.47
14:B5:1830:CLA:HBA2	14:B5:1830:CLA:H3A	1.71	0.47
1:A1:13:ARG:O	14:A1:811:CLA:HED3	2.15	0.47
1:A1:28:TRP:HZ2	14:A1:803:CLA:H11	1.78	0.47
1:A1:74:SER:OG	1:A1:180:TYR:HB2	2.15	0.47
1:A1:118:TRP:HB3	16:J1:104:BCR:HC21	1.97	0.47
1:A1:161:THR:HG22	16:A1:843:BCR:HC32	1.97	0.47
14:A1:821:CLA:HBA2	14:A1:821:CLA:H3A	1.52	0.47
14:A1:825:CLA:H162	16:A1:845:BCR:H272	1.96	0.47
2:B1:339:TRP:CE2	14:B1:827:CLA:H91	2.49	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B1:622:LEU:HD13	14:B1:805:CLA:HMA2	1.97	0.47
2:B1:642:ASN:HB2	2:B1:643:PRO:HD2	1.96	0.47
1:A2:352:TRP:CZ3	14:A2:1627:CLA:H112	2.49	0.47
1:A2:706:TRP:CG	2:B2:419:GLU:HG3	2.49	0.47
14:A2:1623:CLA:HMD1	14:A2:1624:CLA:HBB1	1.96	0.47
14:A2:1633:CLA:HBB1	14:A2:1640:CLA:CBB	2.45	0.47
2:B2:59:TRP:CD1	14:B2:805:CLA:HBC1	2.49	0.47
2:B2:357:SER:HB2	14:B2:825:CLA:HMC1	1.97	0.47
4:D2:50:ARG:H	4:D2:54:ASN:HD21	1.63	0.47
6:F2:69:LEU:CB	14:F2:204:CLA:HBB2	2.45	0.47
10:L2:65:LEU:HB3	14:L2:202:CLA:HMA2	1.95	0.47
1:A3:120:ILE:C	1:A3:122:GLY:H	2.16	0.47
1:A3:244:LEU:C	1:A3:246:PRO:HD3	2.35	0.47
14:A3:801:CLA:HMB3	14:B3:1804:CLA:OBD	2.15	0.47
14:A3:804:CLA:HMC3	14:A3:806:CLA:HED2	1.97	0.47
14:A3:804:CLA:H2	14:A3:811:CLA:H92	1.96	0.47
14:A3:809:CLA:HBC2	14:A3:828:CLA:H141	1.95	0.47
14:A3:821:CLA:CMB	14:A3:825:CLA:HMA3	2.44	0.47
14:A3:829:CLA:HMB1	14:A3:829:CLA:HBB1	1.95	0.47
2:B3:188:ALA:HA	14:B3:1817:CLA:HBB2	1.96	0.47
2:B3:377:HIS:O	2:B3:381:ILE:HG12	2.14	0.47
2:B3:720:SER:O	2:B3:724:ILE:HD12	2.15	0.47
14:B3:1837:CLA:HBA2	14:B3:1838:CLA:HMB3	1.97	0.47
6:F3:103:VAL:HB	6:F3:104:PRO:HD3	1.95	0.47
1:A4:549:THR:OG1	1:A4:601:TRP:HB3	2.14	0.47
14:A4:816:CLA:H11	14:A4:816:CLA:ND	2.29	0.47
2:B4:573:THR:O	2:B4:576:ILE:HB	2.14	0.47
2:B4:693:LEU:HD21	10:L4:34:LEU:HD23	1.97	0.47
2:B4:724:ILE:HD13	14:B4:829:CLA:HMC2	1.97	0.47
14:B4:810:CLA:HMB2	14:B4:810:CLA:H142	1.96	0.47
14:B4:812:CLA:H162	10:L6:56:TYR:OH	2.14	0.47
1:A6:464:THR:HG22	1:A6:468:PHE:HE1	1.79	0.47
1:A6:582:GLY:HA3	3:C6:48:VAL:O	2.14	0.47
14:A6:1631:CLA:HBB1	14:A6:1638:CLA:CBB	2.45	0.47
2:B6:26:MET:SD	19:B6:848:LMG:HC1	2.54	0.47
2:B6:343:CYS:HA	14:B6:826:CLA:H51	1.96	0.47
2:B6:599:TYR:CE2	14:B6:837:CLA:C3C	2.98	0.47
2:B6:688:HIS:HE1	2:B6:697:VAL:O	1.96	0.47
14:B6:803:CLA:H191	6:F6:84:TYR:HB2	1.97	0.47
6:F6:70:PHE:HD1	16:F6:201:BCR:H321	1.80	0.47
1:A5:40:ARG:HD3	13:P5:61:ASP:CA	2.36	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A5:297:THR:O	1:A5:300:HIS:HB3	2.15	0.47
14:A5:817:CLA:ND	14:A5:817:CLA:H11	2.29	0.47
2:B5:188:ALA:HA	14:B5:1817:CLA:HBB2	1.95	0.47
2:B5:318:PHE:CD1	14:B5:1824:CLA:HAB	2.50	0.47
14:B5:1810:CLA:H142	14:B5:1810:CLA:HMB2	1.97	0.47
6:F5:55:GLY:O	6:F5:56:ARG:C	2.52	0.47
8:J5:13:VAL:HG22	16:J5:104:BCR:H292	1.96	0.47
1:A1:40:ARG:HG3	13:P1:61:ASP:HA	1.95	0.47
14:A1:820:CLA:HAA2	14:A1:824:CLA:HBB1	1.96	0.47
16:A1:845:BCR:H333	16:A1:846:BCR:H333	1.96	0.47
4:D1:30:THR:O	4:D1:80:TYR:HA	2.13	0.47
14:A2:1619:CLA:ND	14:A2:1619:CLA:H11	2.30	0.47
14:A2:1632:CLA:H111	17:A2:1653:LHG:H202	1.95	0.47
2:B2:65:PHE:CE2	14:B2:806:CLA:CHD	2.97	0.47
2:B2:181:LEU:HD11	14:B2:812:CLA:H43	1.97	0.47
14:B2:801:CLA:H72	14:B2:802:CLA:CED	2.45	0.47
14:B2:808:CLA:H201	7:I2:23:PRO:CA	2.45	0.47
4:D2:17:LEU:O	10:L2:15:GLY:N	2.36	0.47
9:K2:74:VAL:C	9:K2:76:GLY:H	2.18	0.47
16:A3:851:BCR:H23C	16:A3:851:BCR:H382	1.97	0.47
14:A4:801:CLA:HAA2	14:A4:801:CLA:CGD	2.45	0.47
2:B4:706:LEU:HG	15:B4:844:PQN:O4	2.14	0.47
1:A6:297:THR:O	1:A6:300:HIS:HB3	2.15	0.47
1:A6:465:MET:SD	1:A6:470:ARG:CZ	3.03	0.47
1:A6:473:ASP:HA	10:L6:69:ARG:NH2	2.28	0.47
14:A6:1619:CLA:O1A	14:A6:1629:CLA:HMD1	2.15	0.47
1:A5:221:LEU:HD11	1:A5:295:SER:HB3	1.97	0.47
14:A5:821:CLA:HMD1	14:A5:822:CLA:HBB1	1.97	0.47
2:B5:122:TRP:HB2	2:B5:361:TYR:CE1	2.49	0.47
2:B5:521:GLY:O	2:B5:525:VAL:HG22	2.15	0.47
1:A1:99:ASN:HB3	1:A1:134:PHE:CG	2.50	0.47
1:A1:565:LEU:HD11	1:A1:583:ARG:HB3	1.96	0.47
2:B1:144:LEU:HD21	14:B1:815:CLA:H152	1.96	0.47
2:B1:625:TRP:O	2:B1:629:TYR:HB3	2.15	0.47
9:K1:73:VAL:CB	14:K1:1401:CLA:HBB1	2.44	0.47
1:A2:546:ILE:O	1:A2:550:VAL:HG23	2.14	0.47
1:A2:744:TRP:HB2	14:A2:1630:CLA:HBB1	1.97	0.47
2:B2:564:PRO:O	2:B2:565:CYS:HB3	2.15	0.47
16:A3:850:BCR:H333	16:A3:851:BCR:H333	1.95	0.47
2:B3:272:MET:HG2	14:B3:1820:CLA:HMA3	1.97	0.47
2:B3:440:TYR:CE1	2:B3:524:LEU:HB3	2.50	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:D3:129:LYS:HE2	4:D3:130:PHE:CE1	2.50	0.47
1:A4:86:TRP:O	1:A4:90:MET:HG2	2.15	0.47
2:B4:442:HIS:CD2	2:B4:456:ILE:HD12	2.50	0.47
14:B4:820:CLA:H62	14:B4:820:CLA:H41	1.78	0.47
4:D4:30:THR:O	4:D4:80:TYR:HA	2.14	0.47
2:B6:717:ALA:HA	19:B6:848:LMG:H371	1.97	0.47
4:D6:117:ARG:CG	4:D6:121:GLN:HB2	2.45	0.47
1:A5:475:PHE:HA	1:A5:480:ILE:O	2.15	0.47
1:A5:683:TRP:NE1	14:A5:801:CLA:HBA2	2.29	0.47
14:A5:841:CLA:CMC	14:B5:1802:CLA:H71	2.43	0.47
2:B5:173:ARG:HB2	14:B5:1815:CLA:HBC2	1.96	0.47
14:B5:1825:CLA:CBB	14:B5:1832:CLA:HMD2	2.44	0.47
1:A1:283:GLY:O	1:A1:508:THR:O	2.32	0.47
2:B1:547:ALA:O	2:B1:556:LYS:HD2	2.15	0.47
2:B1:668:MET:HE2	14:B1:806:CLA:NB	2.29	0.47
14:B1:809:CLA:HMD1	7:I1:10:LEU:HD23	1.97	0.47
14:A2:1628:CLA:H162	16:A2:1650:BCR:H272	1.96	0.47
2:B2:49:HIS:HE1	14:B2:804:CLA:H162	1.80	0.47
1:A3:215:HIS:HB2	14:A3:814:CLA:CHC	2.45	0.47
1:A3:352:TRP:HB3	14:A3:805:CLA:HAC1	1.97	0.47
1:A3:391:LEU:O	1:A3:395:THR:HG23	2.15	0.47
14:B3:1803:CLA:H72	14:B3:1804:CLA:CED	2.45	0.47
14:B3:1806:CLA:H2	11:M3:26:SER:OG	2.14	0.47
8:J3:31:ARG:NH1	14:J3:101:CLA:HED2	2.30	0.47
11:M3:23:PHE:O	11:M3:27:THR:HG23	2.15	0.47
1:A4:572:LEU:HD21	3:C4:52:ARG:CZ	2.45	0.47
1:A4:688:MET:O	1:A4:692:SER:OG	2.28	0.47
2:B4:117:SER:HA	14:B4:829:CLA:HMA2	1.97	0.47
14:A6:1610:CLA:HBA2	14:A6:1610:CLA:H3A	1.71	0.47
2:B6:661:LEU:HD13	14:B6:802:CLA:HAA1	1.97	0.47
14:B6:817:CLA:H3A	14:B6:817:CLA:HBA2	1.44	0.47
14:M6:1201:CLA:HMB2	16:M6:1202:BCR:HC42	1.97	0.47
1:A5:189:TRP:CZ2	14:A5:813:CLA:HAC2	2.49	0.47
14:A5:809:CLA:HBC2	14:A5:828:CLA:H141	1.96	0.47
2:B5:373:ALA:HB1	14:B5:1829:CLA:HMA1	1.97	0.47
7:I5:23:PRO:O	7:I5:24:THR:C	2.53	0.47
1:A1:56:HIS:HB3	14:A1:804:CLA:HAB	1.97	0.46
1:A1:681:PHE:CD2	16:A1:847:BCR:H363	2.50	0.46
14:A1:820:CLA:CMD	14:A1:821:CLA:HBB1	2.45	0.46
14:A1:826:CLA:HBB1	14:A1:832:CLA:HMA2	1.97	0.46
1:A2:79:HIS:CE1	14:A2:1607:CLA:HMA2	2.50	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A2:189:TRP:CH2	14:A2:1615:CLA:HHD	2.50	0.46
14:A2:1644:CLA:H62	14:A2:1644:CLA:H41	1.68	0.46
2:B2:150:PHE:HD2	14:B2:810:CLA:HBC2	1.78	0.46
2:B2:288:HIS:NE2	16:B2:842:BCR:H363	2.30	0.46
14:B2:834:CLA:HBA2	14:B2:835:CLA:HMB3	1.97	0.46
3:C2:14:THR:HG22	3:C2:27:MET:HG3	1.97	0.46
16:L2:201:BCR:H272	16:L3:201:BCR:H282	1.97	0.46
2:B3:398:VAL:HG23	2:B3:547:ALA:HB1	1.96	0.46
2:B3:481:LEU:HD12	14:B3:1836:CLA:HED3	1.96	0.46
4:D3:30:THR:O	4:D3:80:TYR:HA	2.15	0.46
10:L3:52:MET:SD	14:L3:203:CLA:HED2	2.55	0.46
2:B4:313:LYS:O	2:B4:314:VAL:CG2	2.60	0.46
2:B4:339:TRP:HE1	14:B4:826:CLA:C3B	2.28	0.46
2:B4:564:PRO:O	2:B4:565:CYS:HB3	2.15	0.46
14:B4:806:CLA:HMB2	16:M4:101:BCR:HC42	1.97	0.46
1:A6:359:ASN:N	1:A6:359:ASN:ND2	2.63	0.46
1:A6:578:CYS:HG	18:B6:801:SF4:FE3	1.30	0.46
14:A6:1617:CLA:H11	14:A6:1617:CLA:ND	2.29	0.46
14:A6:1635:CLA:H3A	14:A6:1635:CLA:HBA2	1.76	0.46
2:B6:428:VAL:HG12	2:B6:432:LEU:HD12	1.96	0.46
2:B6:456:ILE:HG22	2:B6:458:ILE:CD1	2.45	0.46
14:B6:808:CLA:HMB2	14:B6:808:CLA:H142	1.97	0.46
14:B6:831:CLA:HBC3	16:F6:203:BCR:H362	1.96	0.46
14:B6:835:CLA:HMB1	16:B6:847:BCR:HC31	1.98	0.46
2:B5:119:VAL:HB	2:B5:123:TRP:CH2	2.49	0.46
2:B5:122:TRP:HZ2	14:B5:1815:CLA:H191	1.78	0.46
2:B5:514:LEU:HD12	14:B5:1828:CLA:CMC	2.44	0.46
2:B5:654:TRP:CD2	14:B5:1811:CLA:HMC2	2.50	0.46
10:L5:117:TRP:O	10:L5:120:PHE:HB3	2.16	0.46
14:A1:837:CLA:HMD1	14:B1:803:CLA:HBB1	1.98	0.46
2:B1:50:PHE:CE2	14:B1:814:CLA:HED1	2.50	0.46
2:B1:456:ILE:HG22	2:B1:458:ILE:HD11	1.97	0.46
9:K1:74:VAL:C	9:K1:76:GLY:H	2.18	0.46
10:L1:54:HIS:HA	10:L1:57:PHE:CE2	2.50	0.46
14:L1:205:CLA:OBD	10:L3:91:ALA:HA	2.15	0.46
2:B2:642:ASN:HB2	2:B2:643:PRO:HD2	1.97	0.46
14:B2:823:CLA:H61	14:B2:825:CLA:H42	1.97	0.46
6:F2:103:VAL:HB	6:F2:104:PRO:HD3	1.97	0.46
1:A3:647:ASN:HB2	2:B3:641:TYR:OH	2.15	0.46
1:A3:655:TRP:CD1	2:B3:631:TRP:CD1	3.04	0.46
2:B3:392:HIS:HE1	14:B3:1831:CLA:NA	2.11	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B3:1818:CLA:H3A	14:B3:1818:CLA:HBA2	1.74	0.46
1:A4:422:PRO:HG3	4:D4:40:GLU:HB2	1.96	0.46
1:A4:475:PHE:HA	1:A4:480:ILE:O	2.15	0.46
1:A4:543:ALA:HB1	14:A4:836:CLA:HMB3	1.96	0.46
2:B4:433:GLY:HA2	2:B4:531:LEU:HD22	1.96	0.46
7:I4:13:ILE:C	7:I4:16:PRO:HD2	2.35	0.46
1:A6:744:TRP:HB2	14:A6:1628:CLA:HBB1	1.96	0.46
5:E6:39:ARG:NH1	13:P6:24:TYR:CZ	2.83	0.46
1:A5:16:VAL:HG11	1:A5:183:ARG:HB3	1.97	0.46
1:A5:244:LEU:C	1:A5:246:PRO:HD3	2.36	0.46
1:A5:444:LEU:HB2	14:A5:838:CLA:CBB	2.45	0.46
2:B5:59:TRP:HA	14:B5:1809:CLA:HBB2	1.97	0.46
2:B5:577:SER:H	2:B5:577:SER:HG	1.56	0.46
14:B5:1811:CLA:H102	14:B5:1829:CLA:H193	1.97	0.46
14:B5:1832:CLA:HBA2	14:B5:1832:CLA:H3A	1.56	0.46
10:L5:37:TYR:O	10:L5:38:ARG:C	2.53	0.46
2:B1:144:LEU:CD2	14:B1:815:CLA:H152	2.45	0.46
2:B1:189:TRP:HA	14:B1:815:CLA:HBB1	1.98	0.46
2:B1:229:TRP:CG	14:B1:817:CLA:H12	2.50	0.46
2:B1:499:TRP:HZ2	14:B1:836:CLA:CMA	2.29	0.46
3:C1:24:VAL:O	3:C1:42:PRO:HD2	2.15	0.46
1:A2:548:VAL:HG11	1:A2:601:TRP:CZ2	2.51	0.46
1:A2:557:VAL:HG11	14:A2:1623:CLA:C20	2.45	0.46
2:B2:428:VAL:HG21	14:B2:838:CLA:C2C	2.45	0.46
2:B2:651:VAL:HG11	14:B2:808:CLA:HMD2	1.96	0.46
14:B2:834:CLA:HMB1	16:B2:846:BCR:HC31	1.97	0.46
14:B2:837:CLA:HMB2	14:B2:838:CLA:C2D	2.45	0.46
1:A3:691:PHE:N	1:A3:691:PHE:CD1	2.83	0.46
2:B3:677:TRP:HH2	14:B3:1805:CLA:C3D	2.28	0.46
2:B3:678:GLN:NE2	2:B3:705:ALA:H	2.13	0.46
14:B3:1830:CLA:HBA2	14:B3:1830:CLA:H3A	1.71	0.46
4:D3:117:ARG:NH2	4:D3:138:PRO:OXT	2.47	0.46
1:A4:270:PHE:CD1	14:A4:842:CLA:HMD2	2.50	0.46
2:B4:7:PHE:HB2	2:B4:33:HIS:CG	2.50	0.46
2:B4:535:THR:HB	2:B4:588:TRP:CZ3	2.50	0.46
4:D4:39:PHE:CE2	4:D4:47:ALA:HB3	2.51	0.46
14:L4:203:CLA:H43	14:L4:203:CLA:HMB2	1.97	0.46
1:A6:313:HIS:NE2	16:A6:1643:BCR:H363	2.30	0.46
1:A6:544:PHE:HZ	14:B6:802:CLA:HBB2	1.78	0.46
2:B6:599:TYR:CD2	14:B6:837:CLA:HMC2	2.51	0.46
2:B6:600:TRP:HB2	14:B6:837:CLA:HMC1	1.95	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
5:E6:7:VAL:O	5:E6:20:VAL:HA	2.15	0.46
10:L6:59:ILE:HD11	10:L6:135:ALA:HB1	1.97	0.46
1:A5:689:PHE:CE2	1:A5:730:VAL:HG11	2.50	0.46
14:A5:839:CLA:HBB1	14:A5:840:CLA:HMD1	1.96	0.46
14:A5:842:CLA:H62	14:A5:842:CLA:H41	1.68	0.46
14:B5:1810:CLA:CGA	14:B5:1810:CLA:C1A	2.93	0.46
14:B5:1843:CLA:H202	7:I5:27:MET:HE3	1.96	0.46
1:A1:257:ASP:OD1	1:A1:258:TRP:N	2.48	0.46
14:A1:808:CLA:HBC2	14:A1:827:CLA:H141	1.97	0.46
2:B1:7:PHE:CD1	2:B1:33:HIS:CD2	3.02	0.46
2:B1:600:TRP:CD1	14:B1:838:CLA:HAC1	2.51	0.46
2:B1:665:THR:N	14:B1:806:CLA:HBB1	2.30	0.46
14:B1:854:CLA:H141	10:L2:56:TYR:HE1	1.81	0.46
6:F1:88:VAL:HG11	6:F1:97:LYS:CB	2.43	0.46
7:I1:7:ALA:N	11:M1:5:ASP:OD1	2.46	0.46
10:L1:58:LEU:CD1	10:L1:85:LEU:HD12	2.45	0.46
14:L1:207:CLA:C9	14:B3:1812:CLA:H101	2.45	0.46
1:A2:244:LEU:C	1:A2:246:PRO:HD3	2.35	0.46
1:A2:544:PHE:CZ	14:A2:1603:CLA:CBB	2.99	0.46
14:B2:827:CLA:H12	16:B2:843:BCR:H393	1.98	0.46
2:B3:719:PHE:C	2:B3:719:PHE:CD2	2.87	0.46
14:B3:1840:CLA:HMB2	14:B3:1841:CLA:C2D	2.46	0.46
6:F3:40:GLN:OE1	8:J3:40:PRO:O	2.33	0.46
1:A4:466:ARG:O	2:B4:646:THR:CG2	2.63	0.46
7:I4:37:GLU:N	10:L4:102:GLN:OE1	2.48	0.46
1:A6:447:VAL:HG21	14:A6:1638:CLA:HMC3	1.97	0.46
14:B6:814:CLA:HAB	14:B6:828:CLA:H13	1.97	0.46
14:B6:823:CLA:CBB	14:B6:830:CLA:HMD2	2.45	0.46
4:D6:101:PHE:HB3	4:D6:103:GLU:OE2	2.16	0.46
1:A5:436:HIS:HA	4:D5:14:THR:HG23	1.98	0.46
14:A5:826:CLA:H162	16:A5:848:BCR:H272	1.96	0.46
3:C5:20:CYS:SG	18:C5:101:SF4:S4	3.13	0.46
1:A1:615:TRP:HB2	1:A1:653:PHE:CE1	2.51	0.46
14:A1:825:CLA:HAB	16:A1:846:BCR:H311	1.98	0.46
14:A1:839:CLA:H52	14:I1:101:CLA:H43	1.98	0.46
2:B1:427:TRP:CD1	14:B1:803:CLA:O1A	2.50	0.46
2:B2:658:PHE:CE2	2:B2:725:LEU:CD1	2.99	0.46
14:A3:821:CLA:CMD	14:A3:822:CLA:HBB1	2.45	0.46
14:B3:1804:CLA:H41	14:B3:1804:CLA:H61	1.67	0.46
3:C3:50:CYS:SG	18:C3:101:SF4:S4	3.14	0.46
12:X3:12:ARG:HE	17:X3:101:LHG:HC42	1.80	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A4:803:CLA:HMC3	14:A4:805:CLA:HED2	1.98	0.46
14:A4:841:CLA:H52	14:B4:842:CLA:H43	1.97	0.46
2:B4:425:LEU:HD23	2:B4:425:LEU:HA	1.89	0.46
1:A6:497:ALA:N	1:A6:498:PRO:CD	2.79	0.46
2:B6:350:LEU:HD13	14:B6:826:CLA:HAA1	1.97	0.46
14:A5:804:CLA:HMC3	14:A5:806:CLA:HED2	1.97	0.46
14:A5:842:CLA:H52	14:B5:1842:CLA:H43	1.98	0.46
2:B5:414:VAL:HG11	16:B5:1848:BCR:H401	1.96	0.46
2:B5:566:ASP:CG	3:C5:65:ARG:HH22	2.19	0.46
2:B5:625:TRP:HB3	14:B5:1803:CLA:H101	1.98	0.46
14:B5:1829:CLA:H3A	14:B5:1829:CLA:CGA	2.46	0.46
10:L5:61:PRO:CB	14:L5:206:CLA:HBB1	2.42	0.46
1:A1:100:TYR:HA	1:A1:144:PHE:CE1	2.51	0.46
2:B1:535:THR:CG2	14:B1:802:CLA:HBD	2.35	0.46
3:C1:65:ARG:HG2	3:C1:67:TYR:CZ	2.50	0.46
10:L1:57:PHE:CD1	10:L1:57:PHE:C	2.89	0.46
1:A2:473:ASP:OD1	10:L2:69:ARG:NH2	2.48	0.46
2:B2:157:GLN:O	2:B2:161:ARG:HG3	2.16	0.46
2:B2:222:ALA:N	2:B2:223:PRO:CD	2.79	0.46
2:B2:400:ASP:OD1	4:D2:129:LYS:NZ	2.47	0.46
14:B2:832:CLA:C1	8:J2:29:PHE:CE2	2.99	0.46
3:C2:28:VAL:HG12	4:D2:109:ARG:HB3	1.98	0.46
4:D2:71:GLN:NE2	4:D2:71:GLN:HA	2.31	0.46
14:J2:101:CLA:HBA2	14:J2:101:CLA:H3A	1.70	0.46
1:A3:513:PHE:CE1	14:A3:827:CLA:HMC3	2.51	0.46
2:B3:176:HIS:HB3	14:B3:1815:CLA:HHC	1.97	0.46
2:B3:535:THR:HG23	14:B3:1802:CLA:HBD	1.98	0.46
14:L3:203:CLA:H43	14:L3:203:CLA:HMB2	1.98	0.46
1:A4:647:ASN:HB2	2:B4:641:TYR:OH	2.16	0.46
1:A4:706:TRP:CG	2:B4:419:GLU:HG3	2.51	0.46
14:A4:808:CLA:HBC2	14:A4:827:CLA:H141	1.95	0.46
2:B4:189:TRP:CB	14:B4:816:CLA:HBB1	2.46	0.46
2:B4:430:LEU:O	2:B4:434:PHE:CD1	2.68	0.46
2:B4:436:THR:HG22	14:B4:803:CLA:H192	1.98	0.46
2:B4:713:LEU:HD23	19:B4:851:LMG:H122	1.98	0.46
14:B4:804:CLA:H41	14:B4:804:CLA:H61	1.64	0.46
1:A6:702:GLU:CD	2:B6:551:LYS:HB2	2.35	0.46
14:A6:1651:CLA:CED	14:B6:804:CLA:H72	2.45	0.46
14:B6:830:CLA:HBA2	14:B6:830:CLA:H3A	1.55	0.46
10:L6:35:PRO:HB2	10:L6:50:VAL:CG2	2.45	0.46
1:A5:360:LEU:HD21	14:A5:830:CLA:CHC	2.46	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A5:802:CLA:H41	2:B5:654:TRP:NE1	2.31	0.46
2:B5:625:TRP:O	2:B5:629:TYR:HB3	2.16	0.46
14:B5:1822:CLA:H3A	14:B5:1822:CLA:HBA2	1.70	0.46
14:B5:1833:CLA:HBC3	16:F5:1302:BCR:H362	1.96	0.46
4:D5:83:TYR:CE2	4:D5:93:LEU:HG	2.50	0.46
1:A1:178:PHE:CE2	14:A1:809:CLA:C2D	2.99	0.46
2:B1:275:HIS:CE1	14:B1:818:CLA:CHD	2.96	0.46
14:A2:1644:CLA:H52	14:B2:839:CLA:H43	1.97	0.46
2:B2:279:ILE:HD11	14:B2:816:CLA:C3C	2.46	0.46
2:B2:547:ALA:O	2:B2:556:LYS:HD2	2.15	0.46
16:B2:850:BCR:HC8	16:B2:850:BCR:H331	1.96	0.46
10:L2:131:SER:HB2	16:L2:201:BCR:H19C	1.97	0.46
14:A3:817:CLA:H11	14:A3:817:CLA:ND	2.30	0.46
2:B3:340:HIS:CD2	14:B3:1807:CLA:OBD	2.68	0.46
1:A4:200:HIS:ND1	14:A4:824:CLA:OBD	2.47	0.46
1:A4:377:MET:N	1:A4:378:PRO:CD	2.78	0.46
2:B4:106:ALA:HB2	2:B4:114:ILE:CD1	2.46	0.46
2:B4:215:MET:HG2	14:B4:817:CLA:CGD	2.45	0.46
3:C4:18:ARG:NH1	4:D4:103:GLU:HB3	2.31	0.46
16:F4:204:BCR:HC8	16:F4:204:BCR:H331	1.96	0.46
8:J4:15:ALA:O	8:J4:19:MET:HB2	2.16	0.46
1:A6:396:HIS:O	1:A6:400:ILE:HG12	2.16	0.46
6:F6:101:ILE:HB	8:J6:14:LEU:CD1	2.46	0.46
16:L6:209:BCR:H331	16:L6:209:BCR:C8	2.46	0.46
1:A5:90:MET:HE2	14:A5:828:CLA:CED	2.43	0.46
2:B5:135:TYR:HB2	11:M5:3:LEU:HD11	1.98	0.46
2:B5:688:HIS:NE2	14:B5:1842:CLA:CMD	2.79	0.46
16:L5:207:BCR:H331	16:L5:207:BCR:C8	2.46	0.46
1:A1:444:LEU:HD23	1:A1:551:LEU:HA	1.98	0.46
1:A1:583:ARG:HG3	3:C1:48:VAL:HB	1.98	0.46
2:B1:303:MET:CE	14:B1:824:CLA:HED1	2.45	0.46
1:A2:40:ARG:CD	13:P2:61:ASP:HA	2.43	0.46
1:A2:189:TRP:CH2	14:A2:1615:CLA:CHD	2.99	0.46
1:A2:204:LEU:HD11	14:A2:1631:CLA:H141	1.96	0.46
1:A2:654:LEU:HD11	14:A2:1602:CLA:H72	1.98	0.46
2:B2:354:HIS:CE1	14:B2:825:CLA:NB	2.84	0.46
2:B2:500:LEU:O	2:B2:504:LEU:HG	2.15	0.46
14:A3:834:CLA:H12	10:L3:62:TRP:NE1	2.31	0.46
2:B3:313:LYS:O	2:B3:314:VAL:CG2	2.56	0.46
10:L3:20:PRO:HB2	14:L3:202:CLA:HMD1	1.97	0.46
1:A4:433:VAL:HG21	14:A4:820:CLA:H192	1.96	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B4:313:LYS:O	2:B4:314:VAL:HG13	2.16	0.46
2:B4:377:HIS:HE1	14:B4:829:CLA:C1D	2.29	0.46
14:A6:1609:CLA:HBC2	14:A6:1628:CLA:H141	1.97	0.46
2:B6:589:MET:CE	2:B6:590:LEU:HD23	2.46	0.46
10:L6:142:PHE:CD1	14:L6:208:CLA:H12	2.46	0.46
1:A5:17:ASP:HB3	1:A5:20:PRO:HG3	1.98	0.46
14:A5:801:CLA:HMB3	14:B5:1804:CLA:OBD	2.15	0.46
14:A5:802:CLA:O2A	2:B5:657:LEU:HB3	2.16	0.46
14:A5:831:CLA:HBB1	14:A5:838:CLA:CBB	2.46	0.46
2:B5:71:GLY:HA2	2:B5:86:ILE:HB	1.97	0.46
2:B5:634:SER:O	2:B5:638:ILE:HB	2.15	0.46
3:C5:15:GLN:HB3	3:C5:16:CYS:HA	1.98	0.46
10:L5:92:CYS:HB3	16:L5:207:BCR:C20	2.46	0.46
1:A1:42:PRO:HG3	6:F1:99:ILE:HD13	1.98	0.46
2:B1:274:HIS:HD1	14:B1:818:CLA:HMB1	1.80	0.46
2:B1:290:TYR:HH	14:B1:820:CLA:CGD	2.27	0.46
2:B1:630:LEU:CD1	14:B1:804:CLA:H93	2.46	0.46
14:B1:808:CLA:H41	14:B1:808:CLA:H61	1.68	0.46
1:A2:367:SER:OG	1:A2:397:HIS:O	2.33	0.46
2:B2:582:PHE:CE2	14:B2:828:CLA:HMD2	2.51	0.46
2:B2:727:TYR:HB2	14:B2:801:CLA:CED	2.44	0.46
1:A3:177:TRP:HB2	14:A3:811:CLA:CMC	2.43	0.46
1:A3:453:PHE:C	14:A3:834:CLA:HBB2	2.35	0.46
14:A3:842:CLA:CMC	14:B3:1802:CLA:H71	2.45	0.46
2:B3:60:VAL:CG2	14:B3:1830:CLA:H11	2.45	0.46
2:B3:189:TRP:CB	14:B3:1816:CLA:HBB1	2.46	0.46
2:B3:220:GLY:O	2:B3:221:LEU:CB	2.63	0.46
14:B3:1833:CLA:HBC3	16:F3:203:BCR:H362	1.96	0.46
14:B3:1837:CLA:HMB1	16:B3:1849:BCR:HC31	1.98	0.46
10:L4:79:LEU:HD22	10:L4:136:PHE:CG	2.51	0.46
16:L4:206:BCR:H331	16:L4:206:BCR:C8	2.45	0.46
11:M4:17:LEU:HB3	11:M4:18:PRO:HD3	1.97	0.46
1:A6:86:TRP:O	1:A6:90:MET:HG2	2.16	0.46
1:A6:518:VAL:HG23	1:A6:525:ALA:HB3	1.98	0.46
14:A6:1603:CLA:H71	14:A6:1640:CLA:CMC	2.45	0.46
14:B6:838:CLA:HMB2	14:B6:839:CLA:C2D	2.46	0.46
1:A5:33:HIS:CG	1:A5:34:PHE:N	2.84	0.46
14:A5:822:CLA:HBA2	14:A5:822:CLA:H3A	1.51	0.46
2:B5:664:ALA:C	14:B5:1805:CLA:HBB1	2.37	0.46
2:B5:718:HIS:HE1	14:B5:1843:CLA:CHA	2.29	0.46
14:B5:1808:CLA:H151	14:B5:1808:CLA:H102	1.96	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B5:1819:CLA:HBA2	14:B5:1819:CLA:H3A	1.47	0.46
1:A1:651:ARG:NH2	2:B1:643:PRO:HD3	2.31	0.46
1:A1:696:TYR:C	1:A1:696:TYR:CD2	2.89	0.46
2:B1:595:TRP:HZ2	14:B1:805:CLA:C1B	2.29	0.46
14:I1:101:CLA:H18	16:I1:102:BCR:H362	1.98	0.46
14:L1:205:CLA:H43	14:L1:205:CLA:HMB2	1.97	0.46
1:A2:401:GLY:O	1:A2:405:VAL:HG23	2.15	0.46
14:A2:1623:CLA:HAA2	14:A2:1627:CLA:HBB1	1.98	0.46
1:A3:203:GLY:O	1:A3:207:LEU:HB2	2.16	0.46
1:A3:272:TRP:CD1	14:A3:817:CLA:HMB2	2.51	0.46
2:B3:52:HIS:NE2	14:B3:1807:CLA:HMA1	2.30	0.46
14:B3:1825:CLA:CBB	14:B3:1832:CLA:HMD2	2.46	0.46
14:B3:1842:CLA:H18	16:I3:101:BCR:H362	1.98	0.46
3:C3:17:VAL:HG22	3:C3:25:LEU:CB	2.45	0.46
1:A4:231:VAL:O	1:A4:232:ALA:CB	2.57	0.46
1:A4:501:THR:C	1:A4:503:PRO:HD3	2.37	0.46
14:A4:840:CLA:CMC	14:B4:802:CLA:H71	2.44	0.46
14:B4:837:CLA:HMB1	16:B4:849:BCR:HC31	1.98	0.46
10:L4:94:ALA:HB3	14:L6:206:CLA:HMD1	1.98	0.46
1:A6:244:LEU:C	1:A6:246:PRO:HD3	2.36	0.46
1:A6:453:PHE:C	14:A6:1633:CLA:HBB2	2.34	0.46
1:A6:483:GLN:HA	1:A6:484:PRO:HD3	1.84	0.46
14:A6:1621:CLA:HMD1	14:A6:1622:CLA:HBB1	1.97	0.46
14:A6:1634:CLA:HMD2	14:A6:1635:CLA:HBB1	1.98	0.46
2:B5:220:GLY:O	2:B5:221:LEU:HB2	2.15	0.46
2:B5:442:HIS:HB2	14:B5:1835:CLA:C1C	2.46	0.46
10:L5:28:LYS:O	10:L5:29:THR:C	2.55	0.46
1:A1:677:LEU:HD11	2:B1:623:MET:HB2	1.98	0.45
14:A1:803:CLA:HMC3	14:A1:805:CLA:HED2	1.97	0.45
2:B1:288:HIS:C	14:B1:822:CLA:HAC2	2.37	0.45
2:B1:503:TRP:NE1	14:B1:835:CLA:CED	2.78	0.45
14:B1:829:CLA:H12	16:B1:844:BCR:H393	1.98	0.45
14:B1:836:CLA:HBA2	14:B1:837:CLA:HMB3	1.97	0.45
14:A2:1604:CLA:H71	14:A2:1643:CLA:CMC	2.45	0.45
14:A2:1611:CLA:HBC2	14:A2:1630:CLA:H141	1.97	0.45
14:B2:805:CLA:H143	14:B2:827:CLA:CBB	2.46	0.45
2:B3:64:LEU:HD11	16:B3:1847:BCR:H271	1.97	0.45
2:B3:390:PHE:CD1	16:B3:1849:BCR:H373	2.50	0.45
2:B3:599:TYR:CD2	14:B3:1839:CLA:CMC	2.98	0.45
6:F3:17:ARG:NE	6:F3:46:ASP:O	2.47	0.45
11:M3:4:THR:N	11:M3:7:GLN:OE1	2.38	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B4:45:ILE:HG22	2:B4:49:HIS:NE2	2.31	0.45
2:B4:281:VAL:HG22	16:B4:845:BCR:C35	2.46	0.45
2:B4:377:HIS:HB2	14:B4:829:CLA:CHB	2.46	0.45
2:B4:637:LEU:HD13	2:B4:733:ALA:HB3	1.98	0.45
14:B4:830:CLA:H12	16:B4:846:BCR:H393	1.98	0.45
3:C4:11:ILE:HD12	13:P4:39:SER:OG	2.16	0.45
10:L4:97:GLY:HA3	10:L4:117:TRP:HD1	1.81	0.45
1:A6:443:HIS:CD2	14:A6:1631:CLA:HMB1	2.52	0.45
2:B6:390:PHE:CZ	14:B6:825:CLA:HAB	2.51	0.45
14:B6:807:CLA:H91	19:B6:848:LMG:H401	1.97	0.45
14:B6:827:CLA:H3A	14:B6:827:CLA:CGA	2.46	0.45
7:I6:15:ILE:HD11	14:I6:101:CLA:HAA1	1.98	0.45
1:A5:215:HIS:HB2	14:A5:814:CLA:CHC	2.46	0.45
14:A5:808:CLA:HBA2	14:A5:808:CLA:H3A	1.76	0.45
14:A5:821:CLA:CMD	14:A5:822:CLA:HBB1	2.46	0.45
2:B5:347:ILE:O	2:B5:351:VAL:HG23	2.17	0.45
1:A1:36:ARG:HH22	13:P1:70:ILE:CB	2.03	0.45
1:A1:244:LEU:C	1:A1:246:PRO:HD3	2.36	0.45
2:B1:189:TRP:CE2	14:B1:819:CLA:C3D	2.99	0.45
2:B1:275:HIS:HE1	14:B1:818:CLA:C4C	2.29	0.45
2:B1:533:LEU:O	2:B1:537:THR:OG1	2.27	0.45
14:B1:831:CLA:H3A	14:B1:831:CLA:HBA2	1.56	0.45
14:B1:832:CLA:HBC3	16:F1:1302:BCR:H362	1.97	0.45
1:A2:257:ASP:OD1	1:A2:258:TRP:N	2.49	0.45
1:A2:615:TRP:HB2	1:A2:653:PHE:CE1	2.51	0.45
8:J2:27:ILE:HD13	16:J2:103:BCR:C11	2.45	0.45
1:A3:377:MET:N	1:A3:378:PRO:CD	2.80	0.45
1:A3:514:GLY:HA2	1:A3:528:PRO:HB3	1.97	0.45
2:B3:166:TRP:CE2	14:B3:1813:CLA:HMA1	2.47	0.45
2:B3:174:LEU:HG	14:B3:1826:CLA:HMD3	1.96	0.45
2:B3:488:ALA:HA	14:B3:1837:CLA:C1D	2.46	0.45
16:B3:1846:BCR:H23C	16:B3:1846:BCR:C38	2.46	0.45
16:L3:206:BCR:H331	16:L3:206:BCR:C8	2.47	0.45
2:B4:433:GLY:HA3	14:B4:802:CLA:O1A	2.16	0.45
2:B4:622:LEU:CD1	14:B4:804:CLA:C1	2.70	0.45
2:B4:625:TRP:O	2:B4:629:TYR:HB3	2.17	0.45
14:B4:826:CLA:H61	14:B4:826:CLA:H41	1.76	0.45
3:C4:11:ILE:HD13	13:P4:40:CYS:HA	1.98	0.45
6:F4:34:ARG:HD3	8:J4:35:ASP:CG	2.36	0.45
1:A6:77:PHE:CE2	14:A6:1613:CLA:HED1	2.51	0.45
1:A6:455:SER:OG	1:A6:456:PHE:N	2.49	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A6:553:LEU:HD21	1:A6:598:GLY:HA3	1.97	0.45
16:B6:844:BCR:H23C	16:B6:844:BCR:C38	2.46	0.45
1:A5:42:PRO:HG3	1:A5:47:TRP:CE3	2.51	0.45
6:F5:76:TRP:CH2	14:F5:1301:CLA:O1A	2.69	0.45
1:A1:313:HIS:CE1	16:A1:842:BCR:H363	2.50	0.45
14:A1:830:CLA:HBB1	14:A1:836:CLA:CBB	2.46	0.45
2:B1:117:SER:HB3	14:B1:828:CLA:HAA2	1.98	0.45
2:B1:189:TRP:CZ3	2:B1:192:HIS:CD2	3.04	0.45
14:B1:824:CLA:CBB	14:B1:831:CLA:HMD2	2.47	0.45
10:L1:38:ARG:NH2	14:L1:205:CLA:C4C	2.80	0.45
2:B2:24:ILE:HG22	14:B2:828:CLA:H43	1.99	0.45
2:B2:361:TYR:OH	14:B2:827:CLA:OBD	2.20	0.45
14:B2:807:CLA:H142	14:B2:807:CLA:HMB2	1.98	0.45
1:A3:718:GLN:HA	1:A3:719:PRO:HD3	1.89	0.45
14:A3:843:CLA:H52	14:B3:1842:CLA:H43	1.98	0.45
2:B3:184:VAL:HG23	14:B3:1822:CLA:HAC1	1.98	0.45
14:B3:1818:CLA:H62	14:B3:1818:CLA:H41	1.77	0.45
14:B3:1826:CLA:H61	14:B3:1828:CLA:H42	1.97	0.45
1:A4:257:ASP:OD1	1:A4:258:TRP:N	2.50	0.45
1:A4:292:LEU:HG	1:A4:378:PRO:O	2.16	0.45
1:A4:387:TYR:CE2	1:A4:622:TRP:CD1	3.04	0.45
2:B4:222:ALA:HB3	2:B4:223:PRO:HD3	1.97	0.45
1:A6:19:ASP:N	1:A6:20:PRO:HD3	2.30	0.45
14:A6:1604:CLA:H2	14:A6:1611:CLA:H92	1.98	0.45
14:A6:1621:CLA:HAA2	14:A6:1625:CLA:HBB1	1.97	0.45
2:B6:313:LYS:O	2:B6:314:VAL:CG2	2.58	0.45
2:B6:596:VAL:HG11	14:B6:837:CLA:HBB2	1.98	0.45
10:L6:58:LEU:HD22	10:L6:85:LEU:HD12	1.97	0.45
16:A5:850:BCR:H362	14:B5:1804:CLA:C4	2.37	0.45
2:B5:598:PHE:HE1	14:B5:1803:CLA:HED2	1.82	0.45
14:B5:1809:CLA:H102	16:I5:101:BCR:HC31	1.97	0.45
14:A1:801:CLA:HMB3	14:B1:805:CLA:OBD	2.16	0.45
2:B1:59:TRP:CH2	14:B1:829:CLA:HMB2	2.52	0.45
2:B1:288:HIS:O	14:B1:822:CLA:HAC2	2.16	0.45
1:A2:423:ALA:CA	4:D2:38:VAL:HG11	2.43	0.45
1:A2:709:ASN:CB	6:F2:136:ILE:HG23	2.45	0.45
14:B2:818:CLA:CMD	14:B2:820:CLA:HBB1	2.45	0.45
16:B2:843:BCR:H23C	16:B2:843:BCR:C38	2.47	0.45
4:D3:58:PHE:HB3	4:D3:63:GLN:OE1	2.16	0.45
8:J3:21:ILE:HA	14:J3:101:CLA:HBB2	1.98	0.45
14:J3:101:CLA:H3A	14:J3:101:CLA:HBA2	1.69	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A4:40:ARG:HG2	13:P4:60:SER:C	2.37	0.45
1:A4:100:TYR:CE2	1:A4:104:LEU:HD11	2.51	0.45
1:A4:466:ARG:HB2	1:A4:474:MET:SD	2.57	0.45
14:A4:801:CLA:HMB3	14:B4:804:CLA:OBD	2.16	0.45
14:A4:803:CLA:H2	14:A4:810:CLA:H92	1.98	0.45
2:B4:214:THR:O	14:B4:817:CLA:HED1	2.17	0.45
2:B4:381:ILE:O	2:B4:385:LEU:HG	2.16	0.45
2:B4:430:LEU:HB3	14:B4:834:CLA:HED3	1.98	0.45
14:B4:811:CLA:HMB3	14:B4:812:CLA:CHC	2.47	0.45
14:B4:837:CLA:HBA2	14:B4:838:CLA:HMB3	1.98	0.45
2:B6:599:TYR:CE1	14:B6:837:CLA:CBC	2.99	0.45
14:A5:802:CLA:O2D	2:B5:660:HIS:CD2	2.69	0.45
2:B5:605:LEU:HD21	2:B5:633:ASN:ND2	2.32	0.45
6:F5:37:ARG:O	6:F5:40:GLN:HG2	2.17	0.45
1:A1:143:LEU:HD22	1:A1:147:TRP:CH2	2.51	0.45
1:A1:649:TRP:O	1:A1:653:PHE:HB3	2.17	0.45
1:A1:686:SER:HB3	1:A1:734:HIS:CB	2.47	0.45
2:B1:137:GLY:HA2	16:B1:845:BCR:H381	1.99	0.45
2:B1:343:CYS:SG	14:B1:827:CLA:H92	2.57	0.45
10:L1:125:PHE:C	10:L1:125:PHE:CD2	2.89	0.45
1:A2:348:LEU:CD1	14:A2:1627:CLA:HMC2	2.47	0.45
1:A2:475:PHE:HA	1:A2:480:ILE:O	2.17	0.45
14:A2:1602:CLA:HMB3	14:B2:802:CLA:OBD	2.16	0.45
14:B2:822:CLA:CBB	14:B2:829:CLA:HMD2	2.47	0.45
1:A3:86:TRP:O	1:A3:90:MET:HG2	2.16	0.45
14:B3:1809:CLA:H102	16:I3:101:BCR:HC31	1.98	0.45
1:A4:360:LEU:HD21	14:A4:829:CLA:CHC	2.47	0.45
2:B4:276:HIS:CD2	14:B4:820:CLA:NC	2.83	0.45
2:B4:605:LEU:HD12	2:B4:605:LEU:HA	1.88	0.45
14:B4:825:CLA:CBB	14:B4:832:CLA:HMD2	2.47	0.45
5:E4:68:VAL:O	5:E4:69:ALA:O	2.34	0.45
16:A6:1647:BCR:H382	16:A6:1647:BCR:H23C	1.99	0.45
2:B6:189:TRP:CZ3	2:B6:192:HIS:CD2	3.05	0.45
14:B6:840:CLA:H43	14:L6:203:CLA:H52	1.98	0.45
14:B6:840:CLA:H18	16:I6:102:BCR:H362	1.99	0.45
17:B6:849:LHG:HC2	12:X6:12:ARG:HH21	1.82	0.45
1:A5:544:PHE:O	1:A5:548:VAL:HG23	2.16	0.45
14:B5:1830:CLA:H12	16:B5:1846:BCR:H393	1.99	0.45
1:A1:36:ARG:HH12	13:P1:70:ILE:HB	1.81	0.45
1:A1:281:PHE:CE1	14:A1:817:CLA:HAB	2.51	0.45
2:B1:186:SER:HB2	14:B1:819:CLA:CMC	2.46	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B1:379:GLN:OE1	14:B1:826:CLA:CMD	2.65	0.45
2:B1:427:TRP:CZ2	14:B1:832:CLA:CBB	3.00	0.45
2:B1:600:TRP:HB2	14:B1:838:CLA:HMC1	1.98	0.45
7:I1:31:PHE:O	7:I1:35:GLU:HG2	2.16	0.45
10:L1:90:THR:HG21	10:L1:125:PHE:HB2	1.98	0.45
1:A2:691:PHE:HB2	14:A2:1604:CLA:CBC	2.47	0.45
14:A2:1624:CLA:HBA2	14:A2:1624:CLA:H3A	1.51	0.45
2:B2:313:LYS:O	2:B2:314:VAL:CG2	2.57	0.45
2:B2:525:VAL:HG12	14:B2:801:CLA:H141	1.99	0.45
1:A3:302:LEU:HD11	14:A3:817:CLA:CBB	2.46	0.45
1:A3:341:HIS:HE1	17:A3:854:LHG:HC11	1.81	0.45
2:B3:438:GLY:HA3	14:B3:1835:CLA:CBB	2.47	0.45
1:A4:366:LEU:HD11	14:A4:818:CLA:H71	1.97	0.45
1:A4:602:MET:HG2	14:A4:825:CLA:HBC1	1.99	0.45
14:A4:820:CLA:HAA2	14:A4:824:CLA:HBB1	1.99	0.45
2:B4:651:VAL:HG13	14:B4:811:CLA:HAC1	1.98	0.45
14:J4:101:CLA:H3A	14:J4:101:CLA:HBA2	1.69	0.45
10:L6:92:CYS:HB3	16:L6:209:BCR:C19	2.47	0.45
10:L6:142:PHE:HD1	14:L6:208:CLA:H43	1.82	0.45
1:A5:484:PRO:HB3	14:A5:837:CLA:HED3	1.98	0.45
2:B5:599:TYR:CZ	14:B5:1839:CLA:CBC	2.99	0.45
14:B5:1818:CLA:H62	14:B5:1818:CLA:H41	1.78	0.45
8:J5:40:PRO:O	8:J5:41:LEU:HB2	2.17	0.45
10:L5:64:LYS:HB2	14:L5:206:CLA:HMB3	1.99	0.45
1:A1:45:THR:HG21	14:A1:837:CLA:C4B	2.47	0.45
1:A1:79:HIS:NE2	14:A1:804:CLA:HMA1	2.32	0.45
2:B1:41:LEU:O	2:B1:45:ILE:HG12	2.17	0.45
2:B1:90:ILE:HB	2:B1:111:PRO:HB2	1.99	0.45
2:B1:222:ALA:HB3	2:B1:223:PRO:HD3	1.97	0.45
2:B1:229:TRP:HB2	14:B1:817:CLA:HBA2	1.99	0.45
14:B1:817:CLA:HBA2	14:B1:817:CLA:H3A	1.77	0.45
14:B1:853:CLA:HBC2	1:A2:332:HIS:HA	1.99	0.45
1:A2:379:PRO:HD2	1:A2:383:LEU:CD2	2.47	0.45
1:A2:650:LEU:HD22	2:B2:657:LEU:HD21	1.98	0.45
14:A2:1602:CLA:CGD	14:A2:1602:CLA:HAA2	2.46	0.45
2:B2:497:ASN:HB3	2:B2:500:LEU:HB2	1.99	0.45
14:B2:809:CLA:H91	14:L3:205:CLA:H93	1.99	0.45
14:B2:816:CLA:H3A	14:B2:816:CLA:HBA2	1.44	0.45
4:D2:31:TRP:NE1	4:D2:49:MET:SD	2.87	0.45
1:A3:399:TRP:CZ3	1:A3:740:ILE:HG12	2.52	0.45
2:B3:195:HIS:O	2:B3:206:VAL:HG11	2.16	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B3:1801:CLA:HMA2	14:M3:1601:CLA:HBD	1.99	0.45
14:B3:1822:CLA:HBB1	16:B3:1845:BCR:H14C	1.98	0.45
14:B3:1843:CLA:H161	7:I3:27:MET:HE3	1.99	0.45
1:A4:212:TRP:HA	14:A4:813:CLA:HBB1	1.99	0.45
14:A4:808:CLA:CBB	14:B4:835:CLA:HMD2	2.47	0.45
14:A4:840:CLA:O1A	14:A4:840:CLA:H2	2.17	0.45
2:B4:128:MET:HE3	2:B4:134:LEU:HD23	1.99	0.45
2:B4:337:LEU:HD21	14:B4:831:CLA:C1B	2.47	0.45
2:B4:642:ASN:HB2	2:B4:643:PRO:CD	2.46	0.45
10:L4:54:HIS:O	10:L4:58:LEU:HG	2.17	0.45
1:A6:390:GLN:HE21	1:A6:390:GLN:HA	1.81	0.45
2:B6:155:HIS:CE1	14:B6:811:CLA:C1A	2.99	0.45
2:B6:376:THR:HG23	2:B6:597:THR:HG21	1.99	0.45
14:B6:828:CLA:H12	16:B6:844:BCR:H393	1.99	0.45
14:I6:101:CLA:H102	16:I6:102:BCR:HC31	1.99	0.45
1:A5:16:VAL:HG12	1:A5:17:ASP:N	2.32	0.45
1:A5:303:ALA:HB2	14:A5:818:CLA:CBB	2.44	0.45
1:A5:592:TRP:NE1	14:A5:830:CLA:HMD1	2.32	0.45
14:A5:806:CLA:H41	14:A5:806:CLA:H62	1.80	0.45
2:B5:60:VAL:HG22	14:B5:1830:CLA:H11	1.99	0.45
2:B5:529:ILE:HG21	14:B5:1839:CLA:HAB	1.99	0.45
1:A1:366:LEU:HD11	14:A1:818:CLA:H71	1.99	0.45
1:A1:612:HIS:CE1	14:A1:834:CLA:C2C	3.00	0.45
2:B1:164:LEU:HD11	2:B1:168:LYS:HE2	1.99	0.45
2:B1:339:TRP:HZ3	14:B1:824:CLA:HBC2	1.80	0.45
2:B1:625:TRP:CH2	14:B1:804:CLA:H142	2.52	0.45
14:B1:809:CLA:H102	16:I1:102:BCR:HC31	1.98	0.45
14:B1:828:CLA:H3A	14:B1:828:CLA:CGA	2.47	0.45
14:B1:836:CLA:HMB1	16:B1:847:BCR:HC31	1.98	0.45
3:C1:25:LEU:HA	3:C1:40:SER:O	2.17	0.45
2:B2:521:GLY:O	2:B2:525:VAL:HG22	2.17	0.45
1:A3:293:TRP:HB2	1:A3:296:ASP:CG	2.37	0.45
1:A3:352:TRP:NE1	14:A3:825:CLA:H201	2.32	0.45
1:A3:387:TYR:N	1:A3:388:PRO:CD	2.80	0.45
1:A3:691:PHE:N	1:A3:691:PHE:HD1	2.14	0.45
14:A3:820:CLA:HBA2	14:A3:820:CLA:H3A	1.87	0.45
14:B3:1808:CLA:H91	19:B3:1850:LMG:H401	1.98	0.45
10:L3:115:GLU:O	10:L3:118:SER:OG	2.30	0.45
1:A4:75:ALA:HB1	14:A4:804:CLA:HBB1	1.99	0.45
1:A4:564:ARG:NH2	4:D4:16:GLY:O	2.48	0.45
2:B4:174:LEU:CD2	14:B4:826:CLA:C2D	2.94	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B4:350:LEU:HD23	14:B4:820:CLA:H41	1.98	0.45
14:B4:810:CLA:O1A	14:B4:829:CLA:HBD	2.16	0.45
14:L4:203:CLA:HBA1	10:L5:87:LEU:HD21	1.97	0.45
1:A6:352:TRP:HB3	14:A6:1605:CLA:HAC1	1.98	0.45
1:A6:501:THR:C	1:A6:503:PRO:HD3	2.37	0.45
1:A6:691:PHE:HB2	14:A6:1603:CLA:CBC	2.46	0.45
2:B6:156:LEU:HD23	2:B6:156:LEU:HA	1.87	0.45
2:B6:350:LEU:N	14:B6:825:CLA:HED3	2.32	0.45
2:B6:499:TRP:CH2	14:B6:835:CLA:HED3	2.52	0.45
14:B6:816:CLA:H62	14:B6:816:CLA:H41	1.78	0.45
14:A5:810:CLA:HBA2	14:A5:810:CLA:H3A	1.70	0.45
14:A5:826:CLA:HAB	16:A5:849:BCR:H311	1.98	0.45
3:C5:14:THR:C	3:C5:15:GLN:O	2.55	0.45
10:L5:68:LEU:HD13	10:L5:73:VAL:HG23	1.98	0.45
1:A1:590:SER:OG	1:A1:593:ASP:OD2	2.29	0.45
2:B1:313:LYS:O	2:B1:314:VAL:CG2	2.57	0.45
3:C1:28:VAL:HG12	4:D1:109:ARG:CB	2.47	0.45
1:A2:219:VAL:C	1:A2:222:PRO:HD2	2.37	0.45
14:A2:1628:CLA:HAB	16:A2:1651:BCR:H311	1.98	0.45
16:A2:1651:BCR:H23C	16:A2:1651:BCR:H382	1.99	0.45
2:B2:318:PHE:CG	14:B2:821:CLA:HAB	2.52	0.45
2:B2:361:TYR:O	2:B2:364:ILE:HG22	2.16	0.45
2:B2:580:ASP:OD1	2:B2:712:ARG:NH1	2.50	0.45
3:C2:25:LEU:HA	3:C2:40:SER:O	2.17	0.45
1:A3:74:SER:OG	1:A3:180:TYR:HB2	2.17	0.45
2:B3:181:LEU:HG	14:B3:1815:CLA:H43	1.99	0.45
2:B3:533:LEU:HD22	14:B3:1827:CLA:C4C	2.47	0.45
14:B3:1819:CLA:H3A	14:B3:1819:CLA:HBA2	1.47	0.45
14:B3:1821:CLA:CMD	14:B3:1823:CLA:HBB1	2.47	0.45
6:F3:37:ARG:HD2	8:J3:40:PRO:HG3	1.98	0.45
2:B4:176:HIS:HB3	14:B4:815:CLA:HHC	1.99	0.45
2:B4:184:VAL:CG1	16:B4:846:BCR:H352	2.47	0.45
14:B4:821:CLA:CMD	14:B4:823:CLA:HBB1	2.45	0.45
1:A6:642:SER:O	1:A6:648:GLY:HA3	2.16	0.45
2:B6:177:HIS:ND1	14:B6:824:CLA:O1D	2.29	0.45
2:B6:480:LEU:C	2:B6:482:SER:N	2.69	0.45
3:C6:25:LEU:HA	3:C6:40:SER:O	2.17	0.45
14:L6:203:CLA:HHC	14:L6:203:CLA:HBB1	1.98	0.45
1:A5:497:ALA:N	1:A5:498:PRO:CD	2.80	0.45
1:A5:642:SER:O	1:A5:648:GLY:HA3	2.17	0.45
2:B5:678:GLN:HA	2:B5:681:ILE:HD12	1.99	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B5:685:VAL:HG11	3:C5:80:TYR:CD1	2.51	0.45
14:A1:801:CLA:HAA2	14:A1:801:CLA:CGD	2.47	0.45
14:A1:818:CLA:O1A	14:A1:828:CLA:HMD1	2.17	0.45
14:A1:833:CLA:H3A	14:A1:833:CLA:HBA2	1.79	0.45
2:B1:275:HIS:O	2:B1:279:ILE:HG12	2.17	0.45
14:B1:817:CLA:H62	14:B1:817:CLA:H41	1.76	0.45
5:E1:44:ASN:OD1	5:E1:55:VAL:HB	2.17	0.45
1:A2:86:TRP:O	1:A2:90:MET:HG2	2.16	0.45
14:A2:1611:CLA:CBB	14:B2:832:CLA:HMD2	2.47	0.45
14:A2:1622:CLA:HBA2	14:A2:1622:CLA:H3A	1.87	0.45
2:B2:235:ASN:OD1	2:B2:235:ASN:N	2.48	0.45
2:B2:339:TRP:HZ3	14:B2:822:CLA:HBC2	1.82	0.45
14:B2:807:CLA:O1A	14:B2:826:CLA:HBD	2.17	0.45
6:F2:77:ILE:HG12	14:F2:202:CLA:ND	2.31	0.45
1:A3:444:LEU:HD13	14:A3:839:CLA:C4B	2.47	0.45
1:A3:642:SER:O	1:A3:648:GLY:HA3	2.17	0.45
2:B3:21:TRP:CE2	14:B3:1842:CLA:HMB1	2.45	0.45
2:B3:361:TYR:O	2:B3:364:ILE:HG22	2.17	0.45
2:B3:416:GLN:O	6:F3:141:ARG:NH2	2.50	0.45
2:B3:652:TRP:CH2	14:B3:1810:CLA:HBC2	2.52	0.45
14:B3:1806:CLA:HMB2	16:M3:1602:BCR:HC42	1.98	0.45
1:A4:100:TYR:HA	1:A4:144:PHE:CE1	2.51	0.45
1:A4:583:ARG:HA	3:C4:76:MET:CA	2.47	0.45
1:A4:642:SER:O	1:A4:648:GLY:HA3	2.17	0.45
2:B4:171:GLU:HB3	2:B4:290:TYR:HB3	1.99	0.45
2:B4:281:VAL:HG22	16:B4:845:BCR:H352	1.98	0.45
2:B4:669:PHE:HA	15:B4:844:PQN:O1	2.16	0.45
8:J4:27:ILE:HG21	16:J4:104:BCR:C34	2.47	0.45
10:L4:6:LYS:HB2	10:L4:7:PRO:HD2	1.99	0.45
10:L4:124:PHE:CE1	16:L4:206:BCR:H292	2.51	0.45
14:B6:807:CLA:H143	14:B6:828:CLA:CBB	2.47	0.45
1:A5:177:TRP:HB2	14:A5:811:CLA:CMC	2.45	0.45
1:A5:600:PHE:CZ	1:A5:732:VAL:HG23	2.52	0.45
2:B5:60:VAL:HG21	14:B5:1830:CLA:H42	1.99	0.45
2:B5:220:GLY:O	2:B5:221:LEU:CB	2.64	0.45
2:B5:434:PHE:CE2	14:B5:1802:CLA:H2	2.52	0.45
2:B5:458:ILE:HD11	16:J5:105:BCR:H341	1.98	0.45
1:A1:475:PHE:HA	1:A1:480:ILE:O	2.16	0.44
1:A1:542:HIS:HB3	14:A1:834:CLA:HBB1	1.99	0.44
1:A1:718:GLN:NE2	5:E1:15:TYR:OH	2.50	0.44
2:B1:427:TRP:CE2	14:B1:832:CLA:CBB	3.00	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:I1:103:BCR:C8	16:I1:103:BCR:H331	2.48	0.44
1:A2:303:ALA:HB2	14:A2:1620:CLA:CBB	2.47	0.44
1:A2:377:MET:N	1:A2:378:PRO:CD	2.80	0.44
2:B2:216:PRO:HD2	14:B2:814:CLA:C3D	2.48	0.44
2:B2:537:THR:HG21	14:B2:824:CLA:HBB2	1.99	0.44
2:B2:663:TRP:CE2	14:B2:801:CLA:HBA2	2.52	0.44
1:A3:221:LEU:HD11	1:A3:295:SER:HA	1.99	0.44
1:A3:675:LEU:HD23	1:A3:744:TRP:HZ3	1.82	0.44
14:A3:821:CLA:HAA2	14:A3:825:CLA:HBB1	1.98	0.44
14:A3:835:CLA:HMD2	14:A3:836:CLA:HBB1	1.99	0.44
2:B3:345:GLY:HA2	2:B3:385:LEU:HD12	2.00	0.44
3:C3:45:GLU:OE1	3:C3:45:GLU:N	2.40	0.44
1:A4:40:ARG:NH1	13:P4:63:SER:HB3	2.31	0.44
1:A4:511:VAL:HB	1:A4:526:MET:HG3	1.99	0.44
2:B4:554:PRO:HD2	3:C4:61:PHE:CE1	2.53	0.44
6:F4:77:ILE:HG23	14:F4:202:CLA:C1D	2.47	0.44
2:B6:313:LYS:O	2:B6:314:VAL:HG13	2.18	0.44
8:J6:27:ILE:HG22	16:J6:1105:BCR:H343	1.99	0.44
1:A5:577:PRO:C	1:A5:578:CYS:SG	2.95	0.44
1:A5:651:ARG:HB2	2:B5:638:ILE:CG2	2.44	0.44
14:A5:801:CLA:CGD	14:A5:801:CLA:HAA2	2.47	0.44
2:B5:430:LEU:HG	2:B5:434:PHE:CE1	2.52	0.44
2:B5:603:LYS:HD3	14:B5:1839:CLA:HBC1	1.99	0.44
14:B5:1801:CLA:HBA1	14:B5:1801:CLA:H3A	1.79	0.44
10:L5:54:HIS:HE1	14:L5:205:CLA:C4D	2.30	0.44
2:B1:465:PHE:CE1	12:X1:30:TYR:HA	2.52	0.44
14:B1:854:CLA:C3B	7:I1:20:TRP:HE1	2.30	0.44
10:L1:98:LEU:CD2	10:L2:41:LEU:HD21	2.44	0.44
1:A2:387:TYR:N	1:A2:388:PRO:CD	2.80	0.44
1:A2:565:LEU:HD11	1:A2:583:ARG:HB3	2.00	0.44
2:B2:298:HIS:ND1	14:B2:821:CLA:OBD	2.50	0.44
2:B2:504:LEU:HA	2:B2:507:ILE:HG22	2.00	0.44
5:E2:68:VAL:O	5:E2:69:ALA:O	2.35	0.44
6:F2:110:MET:HB3	14:F2:202:CLA:HED2	1.99	0.44
8:J2:26:LEU:HD23	16:J2:102:BCR:HC7	1.99	0.44
14:A3:821:CLA:HMD1	14:A3:822:CLA:HBB1	1.97	0.44
2:B3:60:VAL:HG21	14:B3:1830:CLA:H42	1.98	0.44
2:B3:75:GLN:OE1	2:B3:75:GLN:N	2.50	0.44
2:B3:377:HIS:HE2	14:B3:1830:CLA:C1B	2.30	0.44
3:C3:17:VAL:HG22	3:C3:25:LEU:HB2	1.98	0.44
5:E3:37:ILE:CD1	13:P3:41:ARG:HD2	2.45	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A4:244:LEU:C	1:A4:246:PRO:HD3	2.37	0.44
1:A4:651:ARG:NH2	2:B4:643:PRO:HD3	2.32	0.44
14:A4:805:CLA:H41	14:A4:805:CLA:H62	1.79	0.44
1:A6:221:LEU:HD11	1:A6:295:SER:HB3	1.99	0.44
14:A6:1602:CLA:HAA2	14:A6:1602:CLA:CGD	2.47	0.44
14:A6:1606:CLA:H62	14:A6:1606:CLA:H41	1.80	0.44
2:B6:117:SER:O	14:B6:828:CLA:HED3	2.17	0.44
2:B6:525:VAL:HG12	14:B6:804:CLA:H141	1.99	0.44
2:B5:256:PHE:CD2	14:B5:1819:CLA:HMB2	2.53	0.44
2:B5:582:PHE:CE2	14:B5:1831:CLA:HMD2	2.52	0.44
2:B5:630:LEU:HD13	14:B5:1803:CLA:C2D	2.48	0.44
14:B5:1840:CLA:HMB2	14:B5:1841:CLA:C2D	2.46	0.44
3:C5:25:LEU:HD23	3:C5:41:SER:HB3	1.98	0.44
10:L5:48:LEU:HD13	14:L5:204:CLA:HED2	2.00	0.44
1:A1:177:TRP:HB2	14:A1:810:CLA:CMC	2.45	0.44
1:A1:603:TYR:OH	1:A1:739:GLY:HA3	2.17	0.44
2:B1:52:HIS:ND1	14:B1:807:CLA:H3A	2.33	0.44
2:B1:52:HIS:ND1	14:B1:807:CLA:HMA1	2.27	0.44
2:B1:105:GLN:O	2:B1:106:ALA:C	2.56	0.44
2:B1:713:LEU:HD11	19:B1:850:LMG:H342	1.99	0.44
14:B1:811:CLA:H102	14:B1:828:CLA:H193	1.99	0.44
14:B1:839:CLA:HMB2	14:B1:840:CLA:C2D	2.46	0.44
4:D1:32:THR:HA	4:D1:52:GLY:O	2.17	0.44
2:B2:7:PHE:CZ	2:B2:27:ALA:HA	2.53	0.44
2:B2:313:LYS:O	2:B2:314:VAL:HG13	2.17	0.44
2:B2:599:TYR:CZ	14:B2:836:CLA:HBC2	2.52	0.44
14:B2:819:CLA:HBA2	14:B2:819:CLA:H3A	1.70	0.44
10:L2:125:PHE:O	10:L2:129:MET:HG2	2.18	0.44
2:B3:125:THR:CG2	14:B3:1820:CLA:HED1	2.47	0.44
2:B3:182:PHE:N	2:B3:182:PHE:CD2	2.85	0.44
2:B3:376:THR:HG23	2:B3:597:THR:HG21	1.98	0.44
2:B3:711:ALA:CB	15:B3:1844:PQN:C8	2.95	0.44
10:L3:35:PRO:HG3	14:L3:204:CLA:HED2	2.00	0.44
1:A4:484:PRO:HB3	14:A4:836:CLA:HED3	1.99	0.44
1:A4:547:HIS:CE1	14:A4:837:CLA:C1A	3.00	0.44
16:A4:848:BCR:H382	16:A4:848:BCR:H23C	1.99	0.44
14:A4:853:CLA:HBA2	14:A4:853:CLA:H3A	1.75	0.44
2:B4:288:HIS:O	14:B4:822:CLA:HED1	2.18	0.44
14:B4:808:CLA:H143	14:B4:830:CLA:CBB	2.47	0.44
14:B4:829:CLA:H3A	14:B4:829:CLA:CGA	2.46	0.44
14:B4:840:CLA:HMB2	14:B4:841:CLA:C2D	2.48	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A6:675:LEU:HD11	14:A6:1628:CLA:H143	1.99	0.44
2:B6:601:HIS:HB3	2:B6:629:TYR:OH	2.17	0.44
1:A5:453:PHE:C	14:L5:203:CLA:HBB2	2.36	0.44
1:A5:714:ALA:O	6:F5:89:ARG:NH2	2.49	0.44
14:A5:819:CLA:O1A	14:A5:829:CLA:HMD1	2.17	0.44
2:B5:166:TRP:CZ2	14:B5:1815:CLA:CAC	3.00	0.44
2:B5:433:GLY:HA3	14:B5:1802:CLA:CGA	2.47	0.44
10:L5:43:PRO:HB2	10:L5:119:GLN:HB2	2.00	0.44
14:L5:204:CLA:HMB2	14:L5:204:CLA:H43	1.99	0.44
1:A1:642:SER:O	1:A1:648:GLY:HA3	2.17	0.44
1:A1:650:LEU:HD23	2:B1:638:ILE:HD11	1.98	0.44
2:B1:137:GLY:CA	16:B1:845:BCR:H381	2.47	0.44
2:B1:463:ALA:HB2	14:B1:839:CLA:O2D	2.17	0.44
1:A2:28:TRP:CZ2	14:A2:1606:CLA:H11	2.53	0.44
1:A2:642:SER:O	1:A2:648:GLY:HA3	2.17	0.44
1:A2:683:TRP:O	1:A2:686:SER:OG	2.34	0.44
2:B2:176:HIS:CE1	14:B2:819:CLA:HMD1	2.52	0.44
2:B3:182:PHE:N	2:B3:182:PHE:HD2	2.15	0.44
1:A4:682:ILE:HD11	16:A4:849:BCR:C15	2.47	0.44
1:A4:683:TRP:CG	14:A4:801:CLA:HMA2	2.53	0.44
2:B4:531:LEU:CD1	14:B4:802:CLA:O1A	2.65	0.44
14:B4:842:CLA:H18	16:I4:101:BCR:H362	1.99	0.44
1:A6:98:SER:HB2	1:A6:113:SER:O	2.17	0.44
1:A6:336:PHE:CB	17:A6:1650:LHG:HC41	2.44	0.44
1:A6:387:TYR:CE1	1:A6:622:TRP:HB3	2.52	0.44
1:A6:544:PHE:CE2	14:B6:802:CLA:HBB1	2.52	0.44
5:E6:57:THR:HG21	13:P6:42:ALA:HA	1.98	0.44
1:A5:300:HIS:O	1:A5:304:ILE:HG12	2.16	0.44
1:A5:410:ALA:HA	1:A5:595:VAL:HG21	1.99	0.44
2:B5:121:HIS:CD2	2:B5:364:ILE:HA	2.52	0.44
2:B5:430:LEU:HD13	14:B5:1802:CLA:HED3	1.99	0.44
14:B5:1837:CLA:HMB1	16:B5:1849:BCR:HC31	1.99	0.44
6:F5:65:ILE:CD1	14:J5:102:CLA:HMB3	2.47	0.44
14:A1:839:CLA:H62	14:A1:839:CLA:H41	1.68	0.44
2:B1:503:TRP:HE1	14:B1:835:CLA:HED1	1.82	0.44
16:B1:852:BCR:H21C	8:J1:36:LEU:HD22	1.98	0.44
10:L1:7:PRO:HB3	10:L1:12:PRO:HA	1.98	0.44
1:A2:352:TRP:CD1	14:A2:1627:CLA:H201	2.53	0.44
1:A2:453:PHE:C	14:L2:202:CLA:HBB2	2.37	0.44
1:A2:582:GLY:CA	3:C2:48:VAL:O	2.65	0.44
2:B2:166:TRP:CE2	14:B2:812:CLA:HAC2	2.53	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B2:171:GLU:HB3	2:B2:290:TYR:HB3	2.00	0.44
14:B2:806:CLA:C4	7:I2:14:PHE:CE1	2.98	0.44
10:L2:30:PHE:O	10:L2:34:LEU:HD13	2.17	0.44
1:A3:352:TRP:CE2	14:A3:825:CLA:C18	2.96	0.44
1:A3:447:VAL:HG21	14:A3:839:CLA:C2C	2.47	0.44
14:A3:834:CLA:H11	10:L3:62:TRP:CZ2	2.52	0.44
2:B3:157:GLN:O	2:B3:161:ARG:HG3	2.17	0.44
14:A4:802:CLA:HED1	8:J4:12:PRO:HA	1.99	0.44
14:A4:834:CLA:H3A	14:A4:834:CLA:HBA2	1.79	0.44
2:B4:456:ILE:HG22	2:B4:458:ILE:CD1	2.48	0.44
2:B4:582:PHE:CZ	14:B4:831:CLA:HMD2	2.53	0.44
14:B4:843:CLA:H161	7:I4:27:MET:HE3	1.98	0.44
3:C4:25:LEU:HA	3:C4:40:SER:O	2.18	0.44
1:A6:177:TRP:HB2	14:A6:1611:CLA:CMC	2.44	0.44
2:B6:360:PRO:HG3	14:B6:818:CLA:CBA	2.48	0.44
14:B6:808:CLA:O1A	14:B6:827:CLA:HBD	2.17	0.44
14:B6:824:CLA:H41	14:B6:824:CLA:H61	1.76	0.44
6:F6:61:GLY:H	8:J6:41:LEU:HD11	1.81	0.44
11:M6:17:LEU:HB3	11:M6:18:PRO:HD3	1.99	0.44
1:A5:543:ALA:HB1	14:A5:837:CLA:HMB3	2.00	0.44
2:B5:480:LEU:C	2:B5:482:SER:N	2.71	0.44
14:B5:1808:CLA:H41	14:B5:1808:CLA:H61	1.70	0.44
16:B5:1846:BCR:H23C	16:B5:1846:BCR:C38	2.48	0.44
14:A1:828:CLA:HBB1	14:A1:828:CLA:HMB1	1.98	0.44
14:A1:830:CLA:HMB2	14:L1:201:CLA:C2D	2.47	0.44
14:B1:821:CLA:HBA2	14:B1:821:CLA:H3A	1.70	0.44
6:F1:103:VAL:HG12	6:F1:107:ILE:HD11	2.00	0.44
1:A2:201:LEU:HD21	14:A2:1623:CLA:C4B	2.47	0.44
1:A2:352:TRP:CE2	14:A2:1627:CLA:H18	2.52	0.44
2:B2:526:HIS:ND1	14:B2:837:CLA:HED3	2.33	0.44
14:B2:839:CLA:H18	16:I2:101:BCR:H362	1.99	0.44
5:E2:3:ARG:HH12	13:P2:31:GLU:HA	1.83	0.44
1:A3:99:ASN:HB3	1:A3:134:PHE:CG	2.53	0.44
1:A3:501:THR:C	1:A3:503:PRO:HD3	2.38	0.44
14:A3:843:CLA:HBB1	14:A3:843:CLA:HHC	1.99	0.44
2:B3:582:PHE:CE2	14:B3:1831:CLA:HMD2	2.53	0.44
1:A4:303:ALA:HB2	14:A4:817:CLA:CBB	2.47	0.44
14:A4:830:CLA:HMB2	14:A4:831:CLA:C2D	2.48	0.44
2:B4:25:ALA:CB	19:B4:851:LMG:H121	2.38	0.44
2:B4:90:ILE:HB	2:B4:111:PRO:HB2	1.98	0.44
2:B4:174:LEU:HD21	14:B4:826:CLA:C3D	2.47	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
5:E4:59:ASN:N	5:E4:59:ASN:OD1	2.49	0.44
1:A6:439:ALA:HA	2:B6:686:TRP:CH2	2.52	0.44
1:A6:567:PRO:HB3	4:D6:42:PRO:HB2	2.00	0.44
1:A6:706:TRP:CG	2:B6:419:GLU:HG3	2.52	0.44
2:B6:222:ALA:N	2:B6:223:PRO:CD	2.80	0.44
2:B6:298:HIS:ND1	14:B6:822:CLA:OBD	2.50	0.44
2:B6:393:GLY:HA2	16:B6:847:BCR:H393	1.99	0.44
2:B6:425:LEU:HD23	2:B6:425:LEU:HA	1.86	0.44
14:B6:824:CLA:H61	14:B6:826:CLA:H42	1.98	0.44
7:I6:12:TRP:CE2	10:L5:149:MET:HG3	2.52	0.44
1:A5:19:ASP:N	1:A5:20:PRO:HD3	2.33	0.44
14:A5:831:CLA:HMB2	14:A5:832:CLA:C2D	2.47	0.44
2:B5:375:TYR:CE2	2:B5:600:TRP:CD1	3.06	0.44
2:B5:637:LEU:HD22	2:B5:730:PHE:HA	1.99	0.44
2:B5:716:LEU:O	2:B5:720:SER:OG	2.25	0.44
3:C5:14:THR:HB	3:C5:15:GLN:O	2.17	0.44
1:A1:203:GLY:O	1:A1:207:LEU:HB2	2.18	0.44
2:B1:233:ALA:HB1	14:B1:817:CLA:CED	2.48	0.44
2:B1:515:PHE:HD2	14:B1:838:CLA:OBD	2.00	0.44
1:A2:19:ASP:N	1:A2:20:PRO:HD3	2.33	0.44
1:A2:212:TRP:HA	14:A2:1616:CLA:HBB1	2.00	0.44
2:B2:173:ARG:HE	14:B2:823:CLA:HMD1	1.80	0.44
2:B2:207:GLY:C	14:B2:813:CLA:HMD1	2.38	0.44
2:B2:440:TYR:CE1	2:B2:524:LEU:HB3	2.52	0.44
2:B2:574:CYS:O	2:B2:575:ASP:HB2	2.16	0.44
2:B2:593:ILE:O	2:B2:597:THR:HG23	2.18	0.44
2:B2:634:SER:O	2:B2:638:ILE:HB	2.17	0.44
14:B2:817:CLA:H62	14:B2:817:CLA:H41	1.76	0.44
1:A3:86:TRP:HE1	14:A3:808:CLA:HBA1	1.83	0.44
14:A3:801:CLA:CGD	14:A3:801:CLA:HAA2	2.47	0.44
14:A3:826:CLA:HAB	16:A3:851:BCR:H311	2.00	0.44
14:A3:842:CLA:H192	8:J3:22:THR:HG22	1.99	0.44
2:B3:480:LEU:C	2:B3:482:SER:N	2.70	0.44
10:L3:52:MET:HE1	14:L3:203:CLA:O1D	2.18	0.44
11:M3:5:ASP:HB3	11:M3:9:TYR:CE1	2.52	0.44
1:A4:212:TRP:CZ3	1:A4:215:HIS:CD2	3.06	0.44
1:A4:399:TRP:CH2	1:A4:740:ILE:HG12	2.53	0.44
2:B4:723:TYR:CE2	14:B4:803:CLA:HED1	2.52	0.44
14:B4:811:CLA:H102	14:B4:829:CLA:H193	1.99	0.44
14:B4:832:CLA:HBA2	14:B4:832:CLA:H3A	1.58	0.44
14:L4:205:CLA:C9	14:B5:1812:CLA:H101	2.46	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A6:142:GLY:HA2	1:A6:145:GLN:HE21	1.83	0.44
1:A6:346:GLU:HA	1:A6:349:THR:HG22	2.00	0.44
2:B6:577:SER:N	2:B6:580:ASP:OD2	2.42	0.44
2:B6:654:TRP:CD1	14:B6:802:CLA:H41	2.53	0.44
6:F6:76:TRP:CZ3	14:F6:202:CLA:CBA	2.98	0.44
1:A5:226:LEU:HD22	1:A5:231:VAL:HG21	1.99	0.44
2:B5:181:LEU:HD21	14:B5:1815:CLA:H12	2.00	0.44
14:B5:1806:CLA:HMB2	16:M5:101:BCR:HC42	1.99	0.44
2:B1:425:LEU:HG	14:B1:840:CLA:HBB1	1.99	0.44
2:B1:480:LEU:C	2:B1:482:SER:N	2.71	0.44
14:B1:808:CLA:H91	19:B1:850:LMG:H401	2.00	0.44
10:L1:59:ILE:HD11	10:L1:135:ALA:CB	2.47	0.44
14:A2:1630:CLA:H62	14:A2:1630:CLA:H41	1.81	0.44
14:A2:1643:CLA:H2	14:A2:1643:CLA:O1A	2.18	0.44
14:B2:829:CLA:HBA2	14:B2:829:CLA:H3A	1.58	0.44
8:J2:15:ALA:O	8:J2:19:MET:HB2	2.18	0.44
1:A3:219:VAL:C	1:A3:222:PRO:HD2	2.38	0.44
2:B3:256:PHE:HB2	14:B3:1818:CLA:O1D	2.18	0.44
6:F3:60:ALA:O	6:F3:65:ILE:HG12	2.18	0.44
11:M3:15:ALA:HB1	16:M3:1602:BCR:H17C	1.99	0.44
1:A4:161:THR:HG22	16:A4:845:BCR:HC32	2.00	0.44
1:A4:293:TRP:O	1:A4:296:ASP:HB2	2.18	0.44
2:B4:229:TRP:CZ3	14:B4:818:CLA:C3B	3.01	0.44
2:B4:514:LEU:HD12	14:B4:828:CLA:HMC1	1.99	0.44
14:B4:807:CLA:H3A	14:B4:807:CLA:HBA1	1.83	0.44
8:J4:28:GLU:HG3	14:J4:101:CLA:C1B	2.48	0.44
1:A6:161:THR:HG22	16:A6:1644:BCR:HC32	2.00	0.44
14:A6:1626:CLA:H51	14:A6:1636:CLA:H43	2.00	0.44
14:A6:1640:CLA:H192	8:J6:22:THR:HG22	1.99	0.44
2:B6:573:THR:O	2:B6:576:ILE:HB	2.17	0.44
14:B6:810:CLA:CED	14:B6:810:CLA:H43	2.48	0.44
1:A5:654:LEU:HD11	14:A5:801:CLA:H72	1.99	0.44
1:A5:683:TRP:CG	14:A5:801:CLA:HMA2	2.53	0.44
2:B5:599:TYR:CZ	14:B5:1839:CLA:HBC2	2.53	0.44
14:B5:1842:CLA:H18	16:I5:101:BCR:H362	2.00	0.44
1:A1:90:MET:HE1	14:A1:807:CLA:HAA2	2.00	0.44
1:A1:477:ASP:OD1	1:A1:477:ASP:N	2.51	0.44
2:B1:173:ARG:CB	14:B1:825:CLA:HMD1	2.40	0.44
2:B1:271:ASP:HB3	14:B1:818:CLA:CMA	2.48	0.44
2:B1:296:ILE:HG12	14:B1:822:CLA:OBD	2.15	0.44
2:B1:349:SER:HB3	14:B1:826:CLA:C3D	2.48	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
11:M1:26:SER:HB2	14:M1:1201:CLA:O2A	2.18	0.44
14:A2:1633:CLA:HMB2	14:A2:1634:CLA:C2D	2.48	0.44
14:B2:803:CLA:H122	16:I2:101:BCR:H281	1.99	0.44
6:F2:60:ALA:O	6:F2:65:ILE:HG12	2.18	0.44
1:A3:146:LEU:HD13	1:A3:380:TYR:CE2	2.53	0.44
2:B3:222:ALA:N	2:B3:223:PRO:CD	2.81	0.44
2:B3:267:LEU:CD2	14:B3:1819:CLA:HBA1	2.48	0.44
14:B3:1830:CLA:H12	16:B3:1846:BCR:H393	2.00	0.44
1:A4:90:MET:HE2	14:A4:827:CLA:HED1	2.00	0.44
2:B4:337:LEU:HD23	2:B4:392:HIS:CE1	2.53	0.44
2:B4:664:ALA:CB	14:B4:805:CLA:CBB	2.95	0.44
10:L4:62:TRP:CZ3	14:L4:201:CLA:H43	2.53	0.44
8:J6:11:ALA:N	8:J6:12:PRO:HD2	2.33	0.44
12:X6:9:TYR:O	12:X6:10:ALA:CB	2.65	0.44
14:A5:835:CLA:H3A	14:A5:835:CLA:HBA2	1.78	0.44
2:B5:376:THR:HG23	2:B5:597:THR:HG21	1.99	0.44
14:B5:1818:CLA:HBA2	14:B5:1818:CLA:H3A	1.75	0.44
10:L5:53:ALA:HB3	14:L5:205:CLA:HED3	1.93	0.44
2:B1:442:HIS:HA	14:B1:834:CLA:C4C	2.48	0.43
2:B1:582:PHE:CD2	2:B1:583:TYR:N	2.86	0.43
2:B1:656:PHE:HZ	14:B1:804:CLA:C1D	2.31	0.43
1:A2:92:PHE:CE2	14:A2:1609:CLA:CHD	3.01	0.43
2:B2:554:PRO:HD2	3:C2:61:PHE:CE1	2.52	0.43
2:B2:688:HIS:HE1	2:B2:697:VAL:O	2.01	0.43
14:B2:808:CLA:H201	7:I2:23:PRO:HB3	1.99	0.43
6:F2:73:ILE:HG23	14:F2:202:CLA:HAA1	2.00	0.43
6:F2:78:GLY:HA3	16:F2:203:BCR:HC31	2.00	0.43
1:A3:156:PHE:CE2	14:A3:816:CLA:HAA2	2.53	0.43
1:A3:224:ASN:O	1:A3:228:ASP:CG	2.57	0.43
1:A3:360:LEU:HD13	14:A3:830:CLA:HBB1	2.00	0.43
1:A3:475:PHE:HA	1:A3:480:ILE:O	2.17	0.43
1:A3:744:TRP:HB2	14:A3:828:CLA:HBB1	1.99	0.43
2:B3:42:TYR:CD2	2:B3:167:PHE:HB3	2.53	0.43
2:B3:342:ALA:HB2	16:B3:1849:BCR:H372	2.00	0.43
2:B3:347:ILE:O	2:B3:351:VAL:HG23	2.18	0.43
14:B3:1808:CLA:H143	14:B3:1830:CLA:CBB	2.48	0.43
1:A4:296:ASP:HB3	14:A4:817:CLA:HMA1	1.99	0.43
2:B4:236:PRO:O	2:B4:250:GLY:HA3	2.18	0.43
2:B6:24:ILE:HG22	14:B6:829:CLA:C4	2.48	0.43
2:B6:439:LEU:HD22	2:B6:456:ILE:HG21	1.98	0.43
2:B6:456:ILE:HG22	2:B6:458:ILE:HD11	2.00	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
6:F6:20:ALA:O	6:F6:21:ALA:C	2.56	0.43
6:F6:63:PHE:C	6:F6:66:PRO:HD2	2.38	0.43
14:B5:1811:CLA:HMB3	14:B5:1812:CLA:CHC	2.47	0.43
5:E5:39:ARG:CZ	13:P5:81:TYR:OH	2.65	0.43
1:A1:204:LEU:HD11	14:A1:828:CLA:C14	2.47	0.43
2:B1:217:HIS:CG	2:B1:218:PRO:HD2	2.53	0.43
2:B1:234:GLN:O	2:B1:236:PRO:HD3	2.18	0.43
2:B1:667:PHE:HB2	14:B1:806:CLA:HMC3	2.00	0.43
16:B1:844:BCR:H23C	16:B1:844:BCR:C38	2.47	0.43
14:B1:853:CLA:H3A	14:B1:853:CLA:HBA1	1.81	0.43
8:J1:15:ALA:O	8:J1:19:MET:HB2	2.18	0.43
1:A2:156:PHE:CZ	14:A2:1618:CLA:HED2	2.53	0.43
2:B2:493:PRO:HG3	14:B2:835:CLA:C2D	2.48	0.43
2:B2:616:ASN:HD22	2:B2:616:ASN:N	2.15	0.43
2:B3:166:TRP:CH2	14:B3:1813:CLA:HMA1	2.47	0.43
2:B3:493:PRO:CG	14:B3:1838:CLA:C3D	2.96	0.43
5:E3:16:TRP:HA	5:E3:19:GLU:OE2	2.18	0.43
14:M3:1601:CLA:HBA2	14:M3:1601:CLA:H3A	1.73	0.43
1:A4:470:ARG:HD2	2:B4:94:GLN:O	2.18	0.43
2:B4:691:THR:O	2:B4:695:ASN:OD1	2.36	0.43
2:B6:340:HIS:CD2	14:B6:824:CLA:CAA	2.88	0.43
2:B6:713:LEU:CD1	19:B6:848:LMG:H342	2.48	0.43
14:L6:203:CLA:H41	14:L6:203:CLA:H62	1.69	0.43
1:A5:75:ALA:HB1	14:A5:805:CLA:HBB1	1.98	0.43
2:B5:90:ILE:HG21	2:B5:95:PHE:CZ	2.53	0.43
2:B5:157:GLN:HG3	14:B5:1801:CLA:C7	2.48	0.43
2:B5:672:SER:O	15:B5:1844:PQN:H9	2.18	0.43
10:L5:6:LYS:O	10:L5:18:SER:N	2.43	0.43
10:L5:93:LEU:O	10:L5:117:TRP:NE1	2.49	0.43
1:A1:75:ALA:HB1	14:A1:804:CLA:HBB1	1.99	0.43
1:A1:199:HIS:CE1	14:A1:812:CLA:HMC2	2.53	0.43
1:A1:303:ALA:HB2	14:A1:817:CLA:CBB	2.48	0.43
2:B1:45:ILE:CD1	14:B1:807:CLA:CMC	2.95	0.43
2:B1:195:HIS:O	2:B1:206:VAL:HG11	2.18	0.43
14:B1:808:CLA:H143	14:B1:829:CLA:CBB	2.48	0.43
12:X1:9:TYR:O	12:X1:10:ALA:CB	2.67	0.43
2:B2:372:ALA:HA	2:B2:600:TRP:CZ3	2.54	0.43
2:B2:535:THR:HB	2:B2:588:TRP:CZ3	2.52	0.43
14:B2:826:CLA:H3A	14:B2:826:CLA:CGA	2.48	0.43
3:C2:33:CYS:SG	3:C2:34:LYS:N	2.92	0.43
6:F2:37:ARG:O	6:F2:40:GLN:HG2	2.17	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A3:116:VAL:O	14:A3:809:CLA:HED2	2.19	0.43
2:B3:554:PRO:HD2	3:C3:61:PHE:CE1	2.53	0.43
5:E3:59:ASN:OD1	5:E3:59:ASN:N	2.51	0.43
14:L3:202:CLA:HBA2	14:L3:202:CLA:H3A	1.75	0.43
1:A4:36:ARG:NH1	13:P4:71:GLU:HG3	2.33	0.43
1:A4:193:VAL:HG23	1:A4:194:GLU:OE2	2.17	0.43
14:A4:804:CLA:HMC3	14:A4:829:CLA:HMA1	2.00	0.43
2:B4:390:PHE:CD1	2:B4:540:LEU:HD13	2.53	0.43
2:B4:706:LEU:HD21	15:B4:844:PQN:H151	2.00	0.43
14:B4:822:CLA:HBB1	16:B4:845:BCR:H14C	2.00	0.43
16:B4:846:BCR:H23C	16:B4:846:BCR:C38	2.48	0.43
1:A6:375:TYR:OH	14:A6:1636:CLA:HBC3	2.18	0.43
2:B6:430:LEU:HB3	14:B6:832:CLA:CED	2.46	0.43
3:C6:28:VAL:HG12	4:D6:109:ARG:CB	2.47	0.43
16:A5:850:BCR:H402	14:B5:1802:CLA:C14	2.48	0.43
2:B1:229:TRP:HB3	14:B1:817:CLA:H3A	2.00	0.43
2:B1:664:ALA:HB3	14:B1:806:CLA:HBB2	2.00	0.43
1:A2:746:PHE:CD2	14:A2:1602:CLA:HMD1	2.53	0.43
14:A2:1641:CLA:HBB1	14:A2:1642:CLA:HMD1	2.00	0.43
2:B2:694:ALA:O	2:B2:697:VAL:HG22	2.18	0.43
10:L2:79:LEU:HD22	10:L2:136:PHE:CG	2.53	0.43
12:X2:9:TYR:O	12:X2:10:ALA:CB	2.66	0.43
1:A3:193:VAL:HG23	1:A3:325:LEU:HD12	2.00	0.43
1:A3:726:GLN:O	1:A3:730:VAL:HG23	2.18	0.43
2:B3:470:HIS:HB3	14:B3:1836:CLA:HED1	1.99	0.43
2:B3:481:LEU:HA	2:B3:489:SER:OG	2.18	0.43
14:A4:825:CLA:HAB	16:A4:848:BCR:H311	1.99	0.43
14:A4:842:CLA:HBA2	14:A4:842:CLA:H3A	1.80	0.43
2:B4:91:TRP:N	14:B4:811:CLA:O1D	2.36	0.43
2:B4:375:TYR:CE2	2:B4:600:TRP:CD1	3.06	0.43
2:B4:494:ASN:ND2	14:B4:837:CLA:CED	2.81	0.43
2:B4:657:LEU:HB3	14:B4:801:CLA:O2A	2.18	0.43
14:B4:852:CLA:CMC	1:A6:332:HIS:CD2	3.01	0.43
14:A6:1631:CLA:HMB2	14:L6:202:CLA:C2D	2.48	0.43
14:B6:819:CLA:CMD	14:B6:821:CLA:HBB1	2.48	0.43
2:B5:182:PHE:CE1	14:B5:1826:CLA:HED2	2.53	0.43
2:B5:360:PRO:HG3	14:B5:1820:CLA:CBA	2.47	0.43
1:A1:718:GLN:HA	1:A1:719:PRO:HD3	1.90	0.43
2:B1:227:GLY:O	14:B1:817:CLA:H11	2.18	0.43
14:B1:834:CLA:H122	6:F1:69:LEU:HD11	2.01	0.43
14:L1:205:CLA:CBA	16:L1:209:BCR:H363	2.40	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A2:189:TRP:HZ3	14:A2:1615:CLA:HMD3	1.84	0.43
1:A2:207:LEU:HD22	16:A2:1648:BCR:H361	1.99	0.43
2:B2:430:LEU:O	2:B2:434:PHE:CD1	2.71	0.43
14:B2:805:CLA:H91	19:B2:848:LMG:H401	2.01	0.43
14:B2:806:CLA:C4	7:I2:14:PHE:CZ	3.01	0.43
3:C2:20:CYS:SG	18:C2:101:SF4:S4	3.13	0.43
16:L2:208:BCR:C8	16:L2:208:BCR:H331	2.47	0.43
1:A3:216:GLN:NE2	1:A3:297:THR:OG1	2.42	0.43
1:A3:366:LEU:HD11	14:A3:819:CLA:C5	2.48	0.43
1:A3:403:PHE:HB3	14:A3:806:CLA:H112	2.01	0.43
1:A3:464:THR:HG22	1:A3:468:PHE:CE1	2.53	0.43
1:A3:497:ALA:N	1:A3:498:PRO:CD	2.81	0.43
1:A3:651:ARG:HG3	2:B3:638:ILE:CG2	2.48	0.43
14:A3:826:CLA:H51	14:A3:837:CLA:H43	2.01	0.43
14:A3:831:CLA:HMB2	14:A3:832:CLA:C2D	2.49	0.43
2:B3:65:PHE:CD2	14:B3:1809:CLA:C4C	3.01	0.43
2:B3:718:HIS:CE1	14:B3:1843:CLA:C4D	3.01	0.43
10:L3:52:MET:CB	14:L3:203:CLA:HMA2	2.48	0.43
11:M3:12:LEU:HD22	16:M3:1602:BCR:C20	2.48	0.43
1:A4:237:PRO:CB	1:A4:248:LEU:HD21	2.48	0.43
2:B4:529:ILE:HG21	14:B4:839:CLA:CAB	2.49	0.43
14:B4:808:CLA:H41	14:B4:808:CLA:H61	1.70	0.43
7:I4:10:LEU:HD12	7:I4:10:LEU:HA	1.87	0.43
2:B6:182:PHE:HD1	14:B6:819:CLA:HBB2	1.84	0.43
2:B6:354:HIS:CE1	14:B6:826:CLA:NB	2.86	0.43
2:B6:564:PRO:O	2:B6:565:CYS:CB	2.66	0.43
1:A5:118:TRP:HB3	16:J5:104:BCR:HC21	1.99	0.43
1:A5:565:LEU:HD11	1:A5:583:ARG:HB3	2.00	0.43
2:B5:337:LEU:HB2	14:B5:1807:CLA:HMD3	1.99	0.43
10:L5:37:TYR:O	10:L5:38:ARG:O	2.37	0.43
13:P3:62:GLN:HB2	13:P3:76:LEU:HD12	2.01	0.43
1:A1:352:TRP:HZ3	14:A1:824:CLA:H112	1.84	0.43
1:A1:431:ASP:O	1:A1:435:ARG:HG3	2.19	0.43
2:B1:70:GLN:NE2	14:B1:809:CLA:O1D	2.46	0.43
2:B1:526:HIS:HA	2:B1:529:ILE:HD12	2.00	0.43
14:L1:205:CLA:H111	7:I3:25:VAL:HG13	2.01	0.43
16:L1:209:BCR:C39	10:L3:83:ILE:HD11	2.48	0.43
1:A2:203:GLY:O	1:A2:207:LEU:HB2	2.18	0.43
1:A2:363:MET:CE	14:A2:1631:CLA:HBC3	2.47	0.43
2:B2:60:VAL:HB	2:B2:141:LEU:HD13	2.01	0.43
2:B2:427:TRP:CE2	14:B2:830:CLA:CBB	3.02	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B2:809:CLA:H162	10:L3:56:TYR:CZ	2.51	0.43
1:A3:212:TRP:N	14:A3:814:CLA:HBB1	2.33	0.43
1:A3:385:THR:HG23	1:A3:523:LYS:HB2	2.00	0.43
14:A3:834:CLA:CGA	10:L3:62:TRP:NE1	2.82	0.43
2:B3:462:PHE:HB3	14:B3:1839:CLA:H42	2.01	0.43
14:B3:1801:CLA:CGA	14:M3:1601:CLA:HAA2	2.48	0.43
1:A4:189:TRP:CZ2	14:A4:812:CLA:HAC2	2.53	0.43
2:B4:539:ILE:HG12	14:B4:802:CLA:HMD1	1.99	0.43
2:B4:664:ALA:HB3	14:B4:805:CLA:CBB	2.46	0.43
4:D4:118:SER:HB3	5:E4:34:TYR:OH	2.18	0.43
10:L4:48:LEU:HD11	10:L5:125:PHE:HD2	1.83	0.43
14:A6:1623:CLA:H3A	14:A6:1623:CLA:HBA2	1.87	0.43
14:A6:1640:CLA:H172	8:J6:19:MET:CG	2.48	0.43
2:B6:195:HIS:O	2:B6:206:VAL:HG11	2.16	0.43
2:B6:376:THR:HG23	2:B6:597:THR:CG2	2.48	0.43
10:L5:62:TRP:CD1	14:L5:203:CLA:O1A	2.72	0.43
10:L5:96:TYR:O	10:L5:100:SER:OG	2.37	0.43
13:P6:62:GLN:HB2	13:P6:76:LEU:HD12	2.01	0.43
1:A1:296:ASP:HB3	14:A1:817:CLA:HMA1	2.01	0.43
14:A1:840:CLA:H3A	14:A1:840:CLA:HBA2	1.81	0.43
2:B1:466:ILE:HD11	14:B1:838:CLA:C1	2.48	0.43
2:B1:656:PHE:HZ	14:B1:804:CLA:CHD	2.31	0.43
14:B1:854:CLA:CED	14:B1:854:CLA:H43	2.48	0.43
10:L1:71:SER:OG	10:L1:73:VAL:HG22	2.19	0.43
10:L1:148:ILE:HG23	14:B3:1812:CLA:CGA	2.48	0.43
7:I2:9:PHE:CE1	7:I2:10:LEU:HD12	2.54	0.43
14:A3:834:CLA:O1D	10:L3:67:PRO:HB3	2.19	0.43
2:B3:222:ALA:HB3	2:B3:223:PRO:HD3	2.01	0.43
2:B3:368:HIS:CE1	2:B3:608:TRP:CD1	3.07	0.43
2:B3:466:ILE:HG22	2:B3:470:HIS:CE1	2.54	0.43
2:B3:622:LEU:HD13	14:B3:1804:CLA:CMA	2.49	0.43
2:B3:625:TRP:O	2:B3:629:TYR:HB3	2.19	0.43
8:J3:31:ARG:CZ	14:J3:101:CLA:HED2	2.49	0.43
10:L3:50:VAL:HA	14:L3:204:CLA:O1D	2.18	0.43
1:A4:203:GLY:HA2	14:A4:819:CLA:CBC	2.41	0.43
2:B4:693:LEU:CD1	14:L4:204:CLA:H11	2.49	0.43
5:E4:37:ILE:CD1	13:P4:41:ARG:HD2	2.46	0.43
8:J4:27:ILE:HG22	16:J4:104:BCR:H343	1.98	0.43
10:L4:46:ARG:O	10:L4:50:VAL:HG23	2.18	0.43
14:L4:203:CLA:H42	16:L4:208:BCR:H12C	2.00	0.43
1:A6:75:ALA:HB1	14:A6:1605:CLA:HBB1	2.00	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A6:388:PRO:HA	1:A6:751:ILE:HG21	2.01	0.43
1:A6:436:HIS:CD2	1:A6:440:ILE:HG13	2.54	0.43
2:B6:222:ALA:HB3	2:B6:223:PRO:HD3	2.01	0.43
2:B6:554:PRO:HD2	3:C6:61:PHE:CZ	2.53	0.43
2:B6:682:GLU:HG2	3:C6:80:TYR:CE2	2.54	0.43
2:B6:699:TRP:O	2:B6:699:TRP:HD1	2.01	0.43
8:J6:12:PRO:HG3	14:J6:1101:CLA:ND	2.34	0.43
1:A5:161:THR:HG22	16:A5:846:BCR:HC32	2.00	0.43
1:A5:203:GLY:O	1:A5:207:LEU:HB2	2.19	0.43
1:A5:300:HIS:HE2	14:A5:819:CLA:C2B	2.32	0.43
2:B5:381:ILE:HD12	14:B5:1830:CLA:CBB	2.49	0.43
2:B5:529:ILE:HG21	14:B5:1839:CLA:CAB	2.49	0.43
6:F5:103:VAL:HB	6:F5:104:PRO:HD3	1.99	0.43
13:P5:62:GLN:HB2	13:P5:76:LEU:HD12	2.01	0.43
1:A1:300:HIS:HB2	14:A1:817:CLA:C1B	2.48	0.43
1:A1:436:HIS:CE1	1:A1:440:ILE:HD11	2.53	0.43
1:A1:444:LEU:HB2	14:A1:836:CLA:CBB	2.48	0.43
1:A1:459:TYR:CE1	1:A1:537:MET:HB3	2.54	0.43
2:B1:122:TRP:HZ2	14:B1:814:CLA:C19	2.16	0.43
2:B1:587:PHE:HB2	14:B1:802:CLA:CAC	2.49	0.43
14:B1:854:CLA:HBB2	7:I1:19:CYS:HB3	2.01	0.43
7:I1:30:LEU:HD11	16:I1:103:BCR:H312	2.00	0.43
1:A2:89:GLY:CA	14:A2:1609:CLA:HMC3	2.49	0.43
1:A2:142:GLY:HA2	1:A2:145:GLN:HE21	1.84	0.43
1:A2:200:HIS:CE1	14:A2:1627:CLA:H52	2.53	0.43
2:B2:214:THR:O	14:B2:814:CLA:HED1	2.19	0.43
1:A3:148:ARG:NH2	1:A3:227:LEU:HB3	2.34	0.43
1:A3:336:PHE:CB	17:A3:854:LHG:HC41	2.46	0.43
2:B3:351:VAL:HG21	14:B3:1830:CLA:HHD	2.00	0.43
14:B3:1829:CLA:H3A	14:B3:1829:CLA:CGA	2.49	0.43
10:L3:64:LYS:HB2	14:L3:205:CLA:HMB3	2.01	0.43
1:A4:576:PHE:C	1:A4:725:ILE:HD11	2.39	0.43
14:A4:820:CLA:HMB1	14:A4:820:CLA:HBB1	2.01	0.43
14:A4:841:CLA:HHC	14:A4:841:CLA:HBB1	2.00	0.43
2:B4:194:ILE:HA	2:B4:198:ILE:HD12	2.01	0.43
1:A6:52:HIS:HB2	17:A6:1649:LHG:H102	2.00	0.43
1:A6:77:PHE:CE2	14:A6:1610:CLA:HBB1	2.54	0.43
1:A6:302:LEU:HD21	14:A6:1617:CLA:C2B	2.48	0.43
1:A5:744:TRP:CE3	16:A5:850:BCR:H313	2.53	0.43
3:C5:5:LYS:C	3:C5:6:ILE:HD12	2.39	0.43
14:L5:202:CLA:HBA2	14:L5:202:CLA:H3A	1.74	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A1:86:TRP:O	1:A1:90:MET:HG2	2.18	0.43
1:A1:207:LEU:CD2	16:A1:843:BCR:H361	2.40	0.43
1:A1:399:TRP:NE1	14:A1:827:CLA:HAB	2.32	0.43
2:B1:216:PRO:HG2	14:B1:816:CLA:C1D	2.49	0.43
2:B1:220:GLY:HA3	14:B1:816:CLA:HMD1	2.01	0.43
2:B1:525:VAL:CG1	14:B1:804:CLA:C14	2.91	0.43
2:B1:685:VAL:HG11	3:C1:80:TYR:CD1	2.54	0.43
14:B1:805:CLA:H61	14:B1:805:CLA:H41	1.64	0.43
8:J1:21:ILE:O	14:J1:101:CLA:HBB2	2.19	0.43
10:L1:52:MET:HE2	14:L1:205:CLA:H2A	2.01	0.43
1:A2:156:PHE:CE2	14:A2:1618:CLA:HED2	2.54	0.43
1:A2:293:TRP:O	1:A2:296:ASP:HB2	2.18	0.43
1:A2:651:ARG:HB2	2:B2:638:ILE:HG23	2.01	0.43
3:C2:54:GLU:HG2	3:C2:62:LEU:HD13	2.00	0.43
6:F2:69:LEU:CA	14:F2:204:CLA:HBB2	2.49	0.43
10:L2:125:PHE:CD2	10:L3:48:LEU:HD11	2.54	0.43
1:A3:161:THR:HG22	16:A3:848:BCR:HC32	2.01	0.43
2:B3:642:ASN:HB2	2:B3:643:PRO:HD2	2.00	0.43
1:A4:283:GLY:O	1:A4:507:ALA:HB3	2.19	0.43
1:A4:686:SER:HB3	1:A4:734:HIS:CB	2.46	0.43
14:A4:853:CLA:HMD2	10:L4:21:ILE:CD1	2.48	0.43
2:B4:28:HIS:HE1	14:B4:808:CLA:HED1	1.83	0.43
2:B4:466:ILE:CD1	14:B4:839:CLA:O2A	2.64	0.43
2:B4:642:ASN:HB2	2:B4:643:PRO:HD2	2.01	0.43
14:B4:812:CLA:H43	14:B4:812:CLA:CED	2.49	0.43
1:A6:409:ALA:HA	16:A6:1647:BCR:HC41	2.00	0.43
1:A5:79:HIS:CE1	14:A5:805:CLA:HMA2	2.54	0.43
1:A5:375:TYR:CD1	1:A5:375:TYR:C	2.92	0.43
14:A5:828:CLA:H62	14:A5:828:CLA:H41	1.79	0.43
2:B5:313:LYS:O	2:B5:314:VAL:CG2	2.60	0.43
2:B5:361:TYR:O	2:B5:364:ILE:HG22	2.18	0.43
3:C5:74:ARG:NH2	4:D5:25:GLU:OE1	2.52	0.43
14:A1:805:CLA:H62	14:A1:805:CLA:H41	1.81	0.43
14:A1:808:CLA:CBB	14:B1:834:CLA:HMD2	2.48	0.43
14:A1:838:CLA:H2	14:A1:838:CLA:O1A	2.19	0.43
8:J1:39:HIS:HE1	14:J1:102:CLA:NA	2.17	0.43
12:X1:26:VAL:HG12	14:X1:1701:CLA:CED	2.49	0.43
14:A2:1601:CLA:CAC	14:L2:206:CLA:H151	2.48	0.43
2:B2:24:ILE:HG22	14:B2:828:CLA:C4	2.49	0.43
2:B2:189:TRP:HA	14:B2:813:CLA:HBB1	2.01	0.43
2:B2:264:THR:HG22	2:B2:363:PHE:CZ	2.54	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B2:808:CLA:C19	7:I2:26:VAL:HG21	2.45	0.43
14:B2:809:CLA:CED	14:B2:809:CLA:H43	2.49	0.43
3:C2:17:VAL:HG21	3:C2:27:MET:SD	2.59	0.43
1:A3:47:TRP:CZ3	1:A3:51:LEU:HD12	2.53	0.43
2:B3:73:PHE:O	2:B3:77:VAL:HG23	2.19	0.43
2:B3:166:TRP:CE2	14:B3:1813:CLA:HMA2	2.54	0.43
10:L3:61:PRO:HA	14:L3:205:CLA:HMB3	2.01	0.43
14:A4:841:CLA:H151	10:L4:85:LEU:CD2	2.48	0.43
16:A4:849:BCR:H402	14:B4:802:CLA:C14	2.48	0.43
2:B4:196:VAL:HG11	14:B4:816:CLA:O2D	2.19	0.43
6:F4:70:PHE:HE1	16:F4:201:BCR:C9	2.25	0.43
10:L4:40:GLY:HA2	10:L5:115:GLU:OE2	2.18	0.43
1:A6:275:TYR:CE2	14:A6:1615:CLA:HMD2	2.54	0.43
14:A6:1626:CLA:HAB	16:A6:1647:BCR:H311	2.00	0.43
14:B6:820:CLA:HBA2	14:B6:820:CLA:H3A	1.70	0.43
1:A5:117:VAL:HG12	1:A5:118:TRP:O	2.19	0.43
1:A5:501:THR:C	1:A5:503:PRO:HD3	2.39	0.43
3:C5:2:HIS:NE2	3:C5:68:LEU:HD22	2.34	0.43
7:I5:9:PHE:C	7:I5:11:PRO:HD2	2.39	0.43
10:L5:64:LYS:HB2	14:L5:206:CLA:CMB	2.48	0.43
10:L5:66:GLY:HA2	14:L5:203:CLA:HAA1	2.01	0.43
1:A1:501:THR:C	1:A1:503:PRO:HD3	2.39	0.42
16:A1:847:BCR:H402	14:B1:802:CLA:C14	2.49	0.42
2:B1:229:TRP:CA	14:B1:817:CLA:HBA2	2.47	0.42
10:L1:145:VAL:O	10:L1:148:ILE:HB	2.19	0.42
1:A2:40:ARG:CA	13:P2:60:SER:HB2	2.49	0.42
1:A2:212:TRP:N	14:A2:1616:CLA:HBB1	2.34	0.42
1:A2:438:ASP:OD1	4:D2:14:THR:C	2.58	0.42
14:A2:1608:CLA:H41	14:A2:1608:CLA:H62	1.78	0.42
2:B2:523:PHE:HE1	14:B2:837:CLA:C2D	2.33	0.42
14:B2:808:CLA:H201	7:I2:23:PRO:CB	2.49	0.42
10:L2:110:PRO:HA	10:L2:113:THR:HG23	2.00	0.42
1:A3:435:ARG:NH1	4:D3:12:GLY:O	2.48	0.42
2:B3:487:ILE:C	14:B3:1837:CLA:HMD3	2.39	0.42
7:I3:20:TRP:C	7:I3:23:PRO:HD2	2.40	0.42
11:M3:15:ALA:CB	16:M3:1602:BCR:H17C	2.49	0.42
1:A4:74:SER:OG	1:A4:180:TYR:HB2	2.19	0.42
2:B4:58:LEU:O	14:B4:809:CLA:HBB2	2.19	0.42
1:A6:90:MET:CE	14:A6:1628:CLA:HED1	2.49	0.42
1:A6:592:TRP:NE1	14:A6:1630:CLA:HMD1	2.33	0.42
14:A6:1603:CLA:C14	16:A6:1648:BCR:H402	2.49	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:D6:112:VAL:O	4:D6:113:ASN:HB2	2.19	0.42
8:J6:19:MET:HB3	14:J6:1101:CLA:H142	2.01	0.42
1:A5:104:LEU:CD1	1:A5:153:THR:HA	2.49	0.42
1:A5:293:TRP:O	1:A5:296:ASP:HB2	2.18	0.42
2:B5:118:GLY:O	14:B5:1830:CLA:HED1	2.19	0.42
2:B5:264:THR:HG22	2:B5:363:PHE:CZ	2.53	0.42
2:B5:500:LEU:O	2:B5:504:LEU:HG	2.19	0.42
2:B5:685:VAL:HG11	3:C5:80:TYR:CG	2.54	0.42
2:B5:685:VAL:HG21	3:C5:80:TYR:CE1	2.54	0.42
1:A1:363:MET:CE	14:A1:805:CLA:HBB2	2.49	0.42
1:A1:447:VAL:CG2	14:A1:836:CLA:HMC3	2.48	0.42
14:A1:802:CLA:HED1	8:J1:12:PRO:HA	2.00	0.42
14:A1:822:CLA:H3A	14:A1:822:CLA:HBA2	1.87	0.42
14:A1:825:CLA:H51	14:A1:834:CLA:H43	2.01	0.42
2:B1:45:ILE:HD11	14:B1:807:CLA:HMC2	2.01	0.42
1:A2:440:ILE:HG12	14:A2:1633:CLA:C4B	2.49	0.42
2:B2:25:ALA:HA	14:B2:828:CLA:H42	2.02	0.42
2:B2:91:TRP:CD2	7:I2:11:PRO:HB2	2.54	0.42
2:B2:144:LEU:CD2	14:B2:813:CLA:H152	2.49	0.42
2:B2:419:GLU:H	2:B2:419:GLU:CD	2.22	0.42
2:B2:658:PHE:CE2	2:B2:725:LEU:HD13	2.54	0.42
14:B2:837:CLA:C1A	14:B2:837:CLA:CGA	2.97	0.42
10:L2:57:PHE:CD1	10:L2:57:PHE:C	2.92	0.42
1:A3:28:TRP:CZ2	14:A3:804:CLA:H11	2.54	0.42
2:B3:192:HIS:HB2	14:B3:1816:CLA:C1C	2.50	0.42
14:B3:1801:CLA:HBA1	14:B3:1801:CLA:H3A	1.79	0.42
5:E3:68:VAL:O	5:E3:69:ALA:O	2.37	0.42
11:M3:17:LEU:HB3	11:M3:18:PRO:HD3	2.00	0.42
1:A4:120:ILE:O	1:A4:122:GLY:N	2.52	0.42
1:A4:257:ASP:O	1:A4:258:TRP:HB2	2.19	0.42
1:A4:726:GLN:NE2	17:A4:850:LHG:HC81	2.34	0.42
14:A4:819:CLA:HBA2	14:A4:819:CLA:H3A	1.88	0.42
7:I4:20:TRP:CE2	16:I4:102:BCR:HC31	2.53	0.42
7:I4:29:LEU:HD23	14:L6:206:CLA:CBC	2.49	0.42
1:A6:115:GLN:HE22	14:A6:1608:CLA:C4B	2.31	0.42
1:A6:654:LEU:HD11	14:A6:1602:CLA:H72	2.00	0.42
1:A6:718:GLN:CD	5:E6:15:TYR:OH	2.56	0.42
14:A6:1639:CLA:HMD1	14:B6:803:CLA:HBB1	2.01	0.42
2:B6:100:VAL:HG13	2:B6:111:PRO:HG3	2.01	0.42
1:A5:468:PHE:CD2	2:B5:95:PHE:HA	2.54	0.42
2:B5:598:PHE:CE1	14:B5:1803:CLA:HED2	2.54	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:C5:42:PRO:HG2	3:C5:43:ARG:HG3	2.01	0.42
3:C5:53:CYS:HB2	3:C5:64:ILE:HD13	2.00	0.42
4:D5:39:PHE:HE1	4:D5:67:LEU:HD11	1.82	0.42
7:I5:13:ILE:O	7:I5:17:VAL:HG23	2.18	0.42
10:L5:38:ARG:NH1	14:L5:204:CLA:CHD	2.82	0.42
10:L5:141:ASN:O	10:L5:144:VAL:HB	2.18	0.42
1:A1:71:LYS:HZ1	14:A1:810:CLA:HED2	1.80	0.42
1:A1:168:MET:O	1:A1:172:MET:HB2	2.19	0.42
1:A1:220:SER:O	1:A1:224:ASN:HB2	2.18	0.42
1:A1:283:GLY:O	1:A1:507:ALA:HB3	2.19	0.42
1:A1:605:CYS:O	1:A1:609:VAL:HG23	2.19	0.42
2:B1:222:ALA:N	2:B1:223:PRO:CD	2.82	0.42
2:B1:499:TRP:CZ2	14:B1:836:CLA:CMA	3.02	0.42
2:B1:706:LEU:HG	15:B1:842:PQN:O4	2.18	0.42
14:B1:853:CLA:CMC	1:A2:332:HIS:CD2	3.02	0.42
1:A2:120:ILE:O	1:A2:123:GLN:HG2	2.18	0.42
1:A2:501:THR:C	1:A2:503:PRO:HD3	2.39	0.42
1:A2:602:MET:SD	1:A2:602:MET:C	2.98	0.42
14:A2:1605:CLA:H142	8:J2:19:MET:HB3	2.01	0.42
2:B2:274:HIS:HE1	14:B2:815:CLA:C4D	2.32	0.42
2:B2:625:TRP:O	2:B2:629:TYR:HB3	2.19	0.42
14:B2:802:CLA:H41	14:B2:802:CLA:H61	1.66	0.42
10:L2:68:LEU:N	10:L2:68:LEU:HD23	2.34	0.42
1:A3:40:ARG:HG3	13:P3:60:SER:O	2.15	0.42
1:A3:212:TRP:HA	14:A3:814:CLA:HBB1	2.01	0.42
1:A3:593:ASP:OD1	1:A3:728:ARG:NH1	2.52	0.42
14:A3:840:CLA:HBB1	14:A3:841:CLA:HMD1	2.00	0.42
14:A3:842:CLA:H2	14:A3:842:CLA:O1A	2.19	0.42
14:A3:842:CLA:H41	14:A3:842:CLA:H62	1.83	0.42
2:B3:65:PHE:CE2	14:B3:1809:CLA:C3C	3.02	0.42
2:B3:376:THR:HG21	2:B3:727:TYR:HE2	1.83	0.42
4:D3:9:LEU:HB2	4:D3:48:VAL:HB	2.01	0.42
1:A4:682:ILE:HD11	16:A4:849:BCR:C13	2.49	0.42
10:L4:43:PRO:HA	10:L4:46:ARG:HD2	2.01	0.42
10:L4:63:VAL:HG22	10:L4:75:ASN:HA	2.00	0.42
2:B6:521:GLY:HA3	2:B6:619:SER:OG	2.19	0.42
2:B6:533:LEU:HD23	2:B6:592:THR:HG21	2.01	0.42
2:B6:637:LEU:HG	2:B6:638:ILE:HD12	2.02	0.42
2:B6:690:ARG:CZ	10:L6:16:HIS:HB2	2.49	0.42
14:J6:1102:CLA:H3A	14:J6:1102:CLA:HBA2	1.68	0.42
14:A5:826:CLA:H51	14:A5:836:CLA:H43	2.01	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B5:222:ALA:N	2:B5:223:PRO:CD	2.82	0.42
10:L5:54:HIS:O	10:L5:57:PHE:CD2	2.72	0.42
1:A1:120:ILE:O	1:A1:122:GLY:N	2.53	0.42
1:A1:726:GLN:NE2	17:A1:848:LHG:HC81	2.33	0.42
2:B1:289:MET:HE2	14:B1:820:CLA:O1D	2.19	0.42
2:B1:379:GLN:OE1	2:B1:379:GLN:HA	2.19	0.42
2:B1:504:LEU:HA	2:B1:507:ILE:HG22	2.01	0.42
14:B1:820:CLA:CMD	14:B1:822:CLA:HBB1	2.48	0.42
3:C1:13:CYS:SG	18:C1:102:SF4:S4	3.17	0.42
1:A2:300:HIS:NE2	14:A2:1621:CLA:C1B	2.82	0.42
14:A2:1607:CLA:HMC3	14:A2:1632:CLA:HMA1	2.00	0.42
14:A2:1628:CLA:H51	14:A2:1638:CLA:H43	2.00	0.42
2:B2:91:TRP:CE3	7:I2:11:PRO:HB2	2.54	0.42
2:B2:380:TYR:CD1	2:B2:593:ILE:HG21	2.55	0.42
2:B3:195:HIS:CE1	14:B3:1816:CLA:CBC	3.02	0.42
2:B3:214:THR:O	14:B3:1817:CLA:CED	2.67	0.42
14:B3:1812:CLA:H43	14:B3:1812:CLA:CED	2.48	0.42
10:L3:43:PRO:HA	10:L3:46:ARG:HD2	2.01	0.42
1:A4:24:SER:O	14:A4:810:CLA:HMA1	2.19	0.42
14:A4:825:CLA:H51	14:A4:835:CLA:H43	2.00	0.42
2:B4:125:THR:HG21	14:B4:820:CLA:HED1	2.01	0.42
2:B4:140:PHE:CE2	2:B4:144:LEU:HD11	2.53	0.42
2:B4:564:PRO:O	2:B4:565:CYS:CB	2.67	0.42
14:B4:827:CLA:H3A	14:B4:827:CLA:HBA2	1.72	0.42
1:A6:120:ILE:O	1:A6:122:GLY:N	2.52	0.42
1:A6:660:GLN:HG2	1:A6:753:SER:HB3	2.01	0.42
14:A6:1609:CLA:CBB	14:B6:833:CLA:HMD2	2.49	0.42
16:A6:1643:BCR:H402	9:K6:65:PHE:CB	2.48	0.42
2:B6:530:ALA:HB2	14:B6:838:CLA:HMA1	2.02	0.42
2:B6:713:LEU:HD11	19:B6:848:LMG:H342	2.01	0.42
14:B6:809:CLA:H102	14:B6:827:CLA:H193	2.00	0.42
4:D6:95:HIS:HA	4:D6:97:LYS:N	2.34	0.42
1:A5:447:VAL:CG2	14:A5:838:CLA:HMC3	2.49	0.42
1:A5:622:TRP:O	1:A5:633:HIS:CD2	2.73	0.42
1:A5:677:LEU:HD11	2:B5:623:MET:CB	2.46	0.42
14:A5:805:CLA:HMC3	14:A5:830:CLA:HMA1	2.01	0.42
14:A5:842:CLA:HHC	14:A5:842:CLA:HBB1	2.01	0.42
2:B5:434:PHE:CE2	14:B5:1802:CLA:C2	3.02	0.42
14:B5:1810:CLA:O1A	14:B5:1829:CLA:HBD	2.19	0.42
14:B5:1812:CLA:CED	14:B5:1812:CLA:H43	2.49	0.42
4:D5:39:PHE:CD1	4:D5:67:LEU:HD11	2.53	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
5:E5:45:TYR:O	5:E5:46:THR:C	2.58	0.42
8:J5:36:LEU:HD22	16:J5:105:BCR:C21	2.49	0.42
13:P5:54:GLU:HG2	13:P5:87:LYS:HB3	2.01	0.42
1:A1:293:TRP:O	1:A1:296:ASP:HB2	2.18	0.42
1:A1:588:GLN:HA	1:A1:593:ASP:OD2	2.19	0.42
2:B1:229:TRP:CH2	14:B1:817:CLA:C7	2.97	0.42
1:A2:121:VAL:HB	14:B2:832:CLA:HMD1	2.00	0.42
14:A2:1634:CLA:CAD	10:L2:21:ILE:HB	2.49	0.42
16:A2:1652:BCR:H362	14:B2:802:CLA:C4	2.36	0.42
2:B2:699:TRP:CD1	2:B2:702:LYS:HA	2.54	0.42
14:B2:819:CLA:HBB1	16:B2:842:BCR:H14C	2.01	0.42
5:E2:57:THR:HG23	13:P2:42:ALA:CB	2.42	0.42
8:J2:21:ILE:O	14:J2:101:CLA:HBB2	2.20	0.42
1:A3:283:GLY:O	1:A3:507:ALA:HB3	2.19	0.42
14:A3:801:CLA:NA	14:B3:1803:CLA:HAB	2.35	0.42
2:B3:390:PHE:HB2	2:B3:540:LEU:HD22	2.00	0.42
1:A4:483:GLN:HA	1:A4:484:PRO:HD3	1.80	0.42
1:A4:709:ASN:HB3	6:F4:136:ILE:HG23	2.00	0.42
14:A4:841:CLA:HMA1	2:B4:694:ALA:HB1	2.01	0.42
1:A6:16:VAL:HG12	1:A6:17:ASP:N	2.35	0.42
1:A6:373:HIS:ND1	14:A6:1618:CLA:OBD	2.29	0.42
2:B6:236:PRO:O	2:B6:250:GLY:HA3	2.18	0.42
2:B6:390:PHE:HZ	14:B6:825:CLA:HAB	1.85	0.42
1:A5:219:VAL:C	1:A5:222:PRO:HD2	2.40	0.42
1:A5:300:HIS:HB2	14:A5:818:CLA:CHB	2.49	0.42
14:A5:801:CLA:NA	14:B5:1803:CLA:HAB	2.34	0.42
2:B5:25:ALA:HB2	19:B5:1851:LMG:H121	2.00	0.42
2:B5:662:VAL:HG22	14:B5:1843:CLA:HMB3	2.02	0.42
14:B5:1826:CLA:H61	14:B5:1826:CLA:H41	1.76	0.42
14:B5:1837:CLA:HBA2	14:B5:1838:CLA:HMB3	2.00	0.42
13:P1:62:GLN:HB2	13:P1:76:LEU:HD12	2.01	0.42
13:P2:54:GLU:HG2	13:P2:87:LYS:HB3	2.02	0.42
13:P3:54:GLU:HG2	13:P3:87:LYS:HB3	2.01	0.42
1:A1:212:TRP:N	14:A1:813:CLA:HBB1	2.34	0.42
1:A1:372:GLN:HG3	14:A1:825:CLA:HED2	2.02	0.42
1:A1:483:GLN:HA	1:A1:484:PRO:HD3	1.79	0.42
1:A1:489:TRP:O	1:A1:493:LEU:HG	2.19	0.42
14:A1:801:CLA:NA	14:B1:804:CLA:HAB	2.35	0.42
2:B1:26:MET:O	2:B1:27:ALA:C	2.57	0.42
2:B1:236:PRO:O	2:B1:250:GLY:HA3	2.19	0.42
2:B1:271:ASP:CB	14:B1:818:CLA:HMA1	2.49	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B1:339:TRP:HZ3	14:B1:824:CLA:CBC	2.32	0.42
2:B1:377:HIS:HB2	14:B1:828:CLA:C1B	2.49	0.42
2:B1:654:TRP:CZ2	14:B1:801:CLA:H52	2.54	0.42
14:B1:854:CLA:H162	10:L2:56:TYR:CZ	2.54	0.42
14:A2:1644:CLA:HHC	14:A2:1644:CLA:HBB1	2.00	0.42
14:B2:809:CLA:H13	10:L3:138:LEU:HD11	2.01	0.42
14:B2:823:CLA:H61	14:B2:823:CLA:H41	1.76	0.42
3:C2:13:CYS:SG	3:C2:15:GLN:HB2	2.60	0.42
1:A3:392:SER:HB3	14:A3:828:CLA:HMA1	2.02	0.42
1:A3:691:PHE:HB2	14:B3:1802:CLA:HBC2	2.01	0.42
15:A3:846:PQN:H191	15:A3:846:PQN:H212	1.89	0.42
2:B3:386:MET:HE1	16:B3:1849:BCR:H361	2.00	0.42
2:B3:480:LEU:HB3	14:B3:1836:CLA:HMD3	2.01	0.42
2:B3:494:ASN:HB3	14:B3:1838:CLA:O1D	2.19	0.42
7:I3:20:TRP:CD2	16:I3:102:BCR:HC31	2.55	0.42
1:A4:196:MET:CE	14:A4:824:CLA:H142	2.50	0.42
1:A4:275:TYR:CE2	14:A4:814:CLA:HMD2	2.54	0.42
1:A4:332:HIS:HB3	17:A4:851:LHG:O1	2.20	0.42
2:B4:435:HIS:O	2:B4:439:LEU:HG	2.19	0.42
2:B4:600:TRP:CE2	2:B4:604:HIS:CE1	3.08	0.42
6:F4:88:VAL:HG11	6:F4:97:LYS:CB	2.46	0.42
8:J4:27:ILE:HG21	16:J4:104:BCR:C9	2.49	0.42
16:M4:101:BCR:H321	16:M4:101:BCR:HC8	2.00	0.42
1:A6:114:ALA:O	1:A6:115:GLN:O	2.38	0.42
1:A6:283:GLY:O	1:A6:507:ALA:HB3	2.19	0.42
1:A6:682:ILE:HD11	16:A6:1648:BCR:C15	2.49	0.42
14:A6:1601:CLA:H3A	14:A6:1601:CLA:HBA2	1.73	0.42
2:B6:181:LEU:HD11	14:B6:813:CLA:C4	2.43	0.42
2:B6:535:THR:HG21	2:B6:588:TRP:CZ2	2.53	0.42
2:B6:663:TRP:CE3	14:B6:804:CLA:HMA1	2.54	0.42
14:B6:810:CLA:H11	10:L5:148:ILE:CD1	2.50	0.42
1:A5:95:ALA:HB2	1:A5:158:LEU:HB2	2.00	0.42
2:B5:193:LEU:HD12	2:B5:273:ALA:HA	2.02	0.42
13:P4:62:GLN:HB2	13:P4:76:LEU:HD12	2.01	0.42
1:A1:360:LEU:CD1	14:A1:829:CLA:HBB1	2.49	0.42
1:A1:681:PHE:CD1	16:A1:847:BCR:H363	2.54	0.42
14:A1:804:CLA:HMC3	14:A1:829:CLA:HMA1	2.01	0.42
16:A1:847:BCR:H20C	16:A1:847:BCR:H361	1.88	0.42
2:B1:343:CYS:HA	14:B1:827:CLA:H51	2.01	0.42
2:B1:660:HIS:NE2	14:B1:804:CLA:CHB	2.82	0.42
14:B1:825:CLA:H61	14:B1:825:CLA:H41	1.77	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A2:1634:CLA:HMA1	2:B2:691:THR:OG1	2.19	0.42
2:B2:564:PRO:O	2:B2:565:CYS:CB	2.68	0.42
12:X2:30:TYR:C	12:X2:30:TYR:CD2	2.93	0.42
1:A3:90:MET:HE2	1:A3:143:LEU:HD11	2.01	0.42
1:A3:100:TYR:OH	1:A3:152:ILE:O	2.23	0.42
1:A3:431:ASP:O	1:A3:435:ARG:HG3	2.19	0.42
1:A3:449:ILE:HD11	16:A3:856:BCR:C40	2.50	0.42
14:A3:806:CLA:H41	14:A3:806:CLA:H62	1.81	0.42
14:A3:834:CLA:CGA	10:L3:62:TRP:CD1	3.03	0.42
2:B3:189:TRP:N	14:B3:1816:CLA:CBB	2.82	0.42
2:B3:313:LYS:O	2:B3:314:VAL:HG13	2.20	0.42
2:B3:353:GLN:HG3	14:B3:1827:CLA:O1D	2.20	0.42
1:A4:545:THR:HA	1:A4:601:TRP:HZ3	1.84	0.42
14:A4:822:CLA:H3A	14:A4:822:CLA:HBA2	1.86	0.42
14:A4:838:CLA:HMB2	14:B4:834:CLA:H52	2.01	0.42
8:J4:11:ALA:N	8:J4:12:PRO:HD2	2.34	0.42
1:A6:355:GLN:HG3	14:A6:1625:CLA:H152	2.01	0.42
1:A6:650:LEU:HD22	2:B6:657:LEU:CD2	2.49	0.42
2:B6:329:TYR:CE2	2:B6:336:GLN:HG2	2.55	0.42
2:B6:627:ARG:NH2	2:B6:628:ASP:OD2	2.39	0.42
14:B6:805:CLA:H122	16:I6:102:BCR:H281	2.01	0.42
5:E6:33:LYS:C	5:E6:35:PRO:HD3	2.40	0.42
1:A5:114:ALA:O	1:A5:115:GLN:O	2.38	0.42
1:A5:257:ASP:O	1:A5:258:TRP:HB2	2.20	0.42
1:A5:404:LEU:HD21	14:A5:806:CLA:H142	2.02	0.42
1:A5:513:PHE:HE1	14:A5:827:CLA:HMC3	1.84	0.42
14:A5:841:CLA:H2	14:A5:841:CLA:O1A	2.19	0.42
10:L5:124:PHE:CZ	16:L5:207:BCR:H292	2.55	0.42
1:A1:212:TRP:HA	14:A1:813:CLA:HBB1	2.02	0.42
1:A1:468:PHE:CE2	14:B1:811:CLA:C1C	3.02	0.42
1:A1:724:ILE:HG12	2:B1:574:CYS:SG	2.60	0.42
2:B1:430:LEU:HB3	14:B1:833:CLA:CED	2.49	0.42
2:B1:493:PRO:HG3	14:B1:837:CLA:ND	2.34	0.42
3:C1:50:CYS:O	3:C1:51:LYS:HB2	2.20	0.42
1:A2:443:HIS:CD2	14:A2:1633:CLA:HMB1	2.54	0.42
1:A2:508:THR:HG22	1:A2:510:SER:H	1.85	0.42
6:F2:99:ILE:O	8:J2:11:ALA:N	2.51	0.42
7:I2:22:MET:CE	16:I2:101:BCR:H331	2.49	0.42
10:L2:138:LEU:HD13	14:L2:207:CLA:CED	2.50	0.42
1:A3:366:LEU:HD11	14:A3:819:CLA:H52	2.02	0.42
1:A3:510:SER:HB3	1:A3:513:PHE:CE1	2.55	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A3:819:CLA:O1A	14:A3:829:CLA:HMD1	2.20	0.42
1:A4:596:PHE:CE1	1:A4:600:PHE:HE1	2.38	0.42
2:B4:222:ALA:N	2:B4:223:PRO:CD	2.83	0.42
2:B4:696:LEU:HD21	10:L4:37:TYR:CE2	2.55	0.42
6:F4:70:PHE:HB2	16:F4:201:BCR:C32	2.49	0.42
7:I4:20:TRP:HE3	14:L6:208:CLA:H13	1.84	0.42
14:A6:1605:CLA:C7	16:A6:1645:BCR:H402	2.50	0.42
14:A6:1621:CLA:HMB1	14:A6:1621:CLA:HBB1	2.01	0.42
14:A6:1640:CLA:O1A	14:A6:1640:CLA:H2	2.20	0.42
2:B6:89:ALA:HA	2:B6:112:VAL:HG12	2.02	0.42
2:B6:318:PHE:HB2	14:B6:823:CLA:HMA1	2.01	0.42
14:B6:806:CLA:HBA1	14:B6:806:CLA:H3A	1.83	0.42
14:B6:829:CLA:H8	19:B6:848:LMG:H242	2.01	0.42
1:A5:387:TYR:N	1:A5:388:PRO:CD	2.82	0.42
1:A5:466:ARG:O	2:B5:646:THR:CG2	2.67	0.42
1:A5:679:ALA:HB1	1:A5:738:GLY:O	2.20	0.42
1:A5:744:TRP:CZ3	16:A5:850:BCR:H313	2.55	0.42
14:A5:843:CLA:HBA1	14:A5:843:CLA:H3A	1.80	0.42
2:B5:398:VAL:HG23	2:B5:547:ALA:HB1	2.02	0.42
6:F5:76:TRP:CZ2	14:F5:1301:CLA:O1A	2.73	0.42
7:I5:37:GLU:O	7:I5:38:ALA:HB3	2.19	0.42
11:M5:17:LEU:HB3	11:M5:18:PRO:CD	2.49	0.42
1:A1:114:ALA:O	1:A1:115:GLN:O	2.38	0.42
1:A1:300:HIS:HB2	14:A1:817:CLA:CHB	2.50	0.42
2:B1:216:PRO:HD2	14:B1:816:CLA:C2D	2.50	0.42
2:B1:427:TRP:CE2	14:B1:832:CLA:HBB1	2.54	0.42
2:B1:688:HIS:HE1	2:B1:697:VAL:O	2.03	0.42
4:D1:31:TRP:NE1	4:D1:49:MET:SD	2.88	0.42
16:L1:209:BCR:H20C	16:L1:209:BCR:H361	1.88	0.42
1:A2:649:TRP:O	1:A2:653:PHE:HB3	2.20	0.42
1:A2:750:ARG:O	1:A2:754:VAL:HG22	2.20	0.42
14:A2:1601:CLA:HBA2	14:A2:1601:CLA:H3A	1.74	0.42
14:A2:1629:CLA:HBB1	14:A2:1636:CLA:HMA2	2.02	0.42
15:A2:1646:PQN:H191	15:A2:1646:PQN:H212	1.90	0.42
2:B2:181:LEU:HD21	14:B2:804:CLA:H93	2.02	0.42
2:B2:389:ALA:HB1	16:B2:846:BCR:H372	2.02	0.42
2:B2:456:ILE:CG2	2:B2:458:ILE:HD11	2.49	0.42
16:B2:847:BCR:H20C	16:B2:847:BCR:H361	1.92	0.42
1:A3:115:GLN:HE22	14:A3:808:CLA:C4B	2.33	0.42
1:A3:168:MET:O	1:A3:172:MET:HB2	2.20	0.42
1:A3:646:ILE:HG13	14:A3:802:CLA:C1	2.50	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A3:649:TRP:O	1:A3:653:PHE:HB3	2.20	0.42
2:B3:216:PRO:HD2	14:B3:1817:CLA:CAD	2.50	0.42
2:B3:529:ILE:CG2	14:B3:1839:CLA:HAB	2.48	0.42
14:B3:1832:CLA:HBA2	14:B3:1832:CLA:H3A	1.56	0.42
6:F3:109:CYS:O	6:F3:112:THR:HB	2.20	0.42
7:I3:31:PHE:O	7:I3:35:GLU:HG2	2.20	0.42
1:A4:118:TRP:HB3	16:J4:104:BCR:HC21	2.01	0.42
2:B4:189:TRP:CZ2	2:B4:193:LEU:HD21	2.54	0.42
14:B4:808:CLA:H91	19:B4:851:LMG:H401	2.02	0.42
7:I4:16:PRO:HB2	14:L6:208:CLA:H142	2.02	0.42
7:I4:29:LEU:HD21	14:L6:206:CLA:HBC3	2.01	0.42
14:A6:1633:CLA:H2A	10:L6:65:LEU:O	2.20	0.42
2:B6:91:TRP:CZ2	7:I6:12:TRP:HA	2.54	0.42
2:B6:433:GLY:N	2:B6:531:LEU:HD13	2.35	0.42
2:B6:466:ILE:HG22	2:B6:470:HIS:CE1	2.55	0.42
2:B6:595:TRP:CE2	14:B6:804:CLA:H152	2.54	0.42
2:B6:690:ARG:HH22	10:L6:14:VAL:HG22	1.84	0.42
14:B6:820:CLA:HBB1	16:B6:843:BCR:H14C	2.01	0.42
1:A5:447:VAL:HG21	14:A5:838:CLA:C2C	2.50	0.42
1:A5:622:TRP:O	1:A5:633:HIS:HD2	2.02	0.42
14:B5:1808:CLA:H91	19:B5:1851:LMG:H401	2.02	0.42
14:B5:1821:CLA:CMD	14:B5:1823:CLA:HBB1	2.49	0.42
16:I5:102:BCR:H331	16:I5:102:BCR:C8	2.50	0.42
1:A1:514:GLY:HA2	1:A1:528:PRO:HB3	2.01	0.42
1:A1:601:TRP:CH2	14:B1:801:CLA:HBB1	2.52	0.42
2:B1:17:THR:OG1	2:B1:704:VAL:HG22	2.20	0.42
2:B1:538:LEU:HD21	14:B1:802:CLA:O2D	2.20	0.42
14:B1:818:CLA:HBA2	14:B1:818:CLA:H3A	1.46	0.42
16:L1:209:BCR:H392	10:L3:83:ILE:CD1	2.50	0.42
1:A2:75:ALA:HB1	14:A2:1607:CLA:HBB1	2.02	0.42
1:A2:646:ILE:HG13	14:A2:1603:CLA:H12	2.02	0.42
2:B2:236:PRO:O	2:B2:250:GLY:HA3	2.19	0.42
1:A3:120:ILE:O	1:A3:122:GLY:N	2.53	0.42
1:A3:281:PHE:CD1	14:A3:818:CLA:HMB1	2.55	0.42
1:A3:588:GLN:HA	1:A3:593:ASP:OD2	2.20	0.42
14:A3:808:CLA:HBA2	14:A3:808:CLA:H3A	1.77	0.42
2:B3:284:ILE:O	2:B3:288:HIS:ND1	2.46	0.42
14:B3:1803:CLA:H102	14:B3:1803:CLA:H62	1.84	0.42
6:F3:53:VAL:HG12	6:F3:63:PHE:HB2	2.02	0.42
1:A4:548:VAL:HB	1:A4:601:TRP:CE3	2.55	0.42
14:A4:827:CLA:H62	14:A4:827:CLA:H41	1.81	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A4:838:CLA:HBB1	14:A4:839:CLA:HMD1	2.01	0.42
2:B4:42:TYR:CZ	2:B4:333:LEU:HD21	2.55	0.42
2:B4:58:LEU:HD22	14:B4:809:CLA:C9	2.50	0.42
2:B4:220:GLY:O	2:B4:221:LEU:HB2	2.20	0.42
2:B4:440:TYR:CZ	2:B4:524:LEU:HB3	2.55	0.42
2:B4:634:SER:O	2:B4:638:ILE:HB	2.20	0.42
14:B4:818:CLA:H3A	14:B4:818:CLA:HBA2	1.76	0.42
7:I4:20:TRP:CE2	16:I4:102:BCR:HC32	2.53	0.42
1:A6:34:PHE:CD1	1:A6:61:HIS:CE1	3.08	0.42
14:A6:1640:CLA:H41	14:A6:1640:CLA:H62	1.83	0.42
2:B6:14:ASP:OD2	2:B6:18:ARG:HB3	2.19	0.42
2:B6:339:TRP:HZ2	14:B6:824:CLA:CAB	2.32	0.42
8:J6:19:MET:HA	8:J6:19:MET:CE	2.50	0.42
10:L6:96:TYR:CD2	10:L6:96:TYR:C	2.94	0.42
10:L6:142:PHE:CD1	14:L6:208:CLA:H43	2.55	0.42
16:L6:201:BCR:H20C	16:L6:201:BCR:H361	1.89	0.42
1:A5:28:TRP:CD1	14:A5:811:CLA:HBA2	2.55	0.42
1:A5:84:PHE:CE1	14:A5:805:CLA:C9	3.01	0.42
1:A5:283:GLY:O	1:A5:507:ALA:HB3	2.20	0.42
2:B5:222:ALA:HB3	2:B5:223:PRO:HD3	2.01	0.42
1:A1:24:SER:O	14:A1:810:CLA:HMA1	2.20	0.41
1:A1:613:PHE:O	1:A1:617:MET:HG2	2.19	0.41
2:B1:171:GLU:HB3	2:B1:290:TYR:HB3	2.02	0.41
2:B1:660:HIS:CE1	2:B1:726:THR:HG21	2.55	0.41
16:M1:1202:BCR:HC8	16:M1:1202:BCR:H321	2.02	0.41
1:A2:292:LEU:HG	1:A2:378:PRO:O	2.20	0.41
1:A2:372:GLN:HA	1:A2:372:GLN:HE21	1.85	0.41
1:A2:702:GLU:CD	2:B2:551:LYS:HB2	2.40	0.41
14:A2:1621:CLA:CAD	14:A2:1631:CLA:H41	2.50	0.41
10:L2:6:LYS:HB2	10:L2:7:PRO:HD2	2.02	0.41
10:L2:138:LEU:HD13	14:L2:207:CLA:HED2	2.01	0.41
14:A3:819:CLA:HBA2	14:A3:819:CLA:H3A	1.93	0.41
16:A3:852:BCR:H402	14:B3:1802:CLA:C14	2.49	0.41
16:A3:852:BCR:H20C	16:A3:852:BCR:H361	1.87	0.41
2:B3:525:VAL:HG12	14:B3:1803:CLA:C14	2.50	0.41
2:B3:637:LEU:HD22	2:B3:730:PHE:HA	2.02	0.41
4:D3:43:THR:O	4:D3:44:ALA:CB	2.68	0.41
10:L3:68:LEU:N	10:L3:68:LEU:HD23	2.35	0.41
1:A4:36:ARG:NH1	13:P4:67:ASP:C	2.73	0.41
1:A4:587:CYS:HB2	2:B4:673:TRP:HB3	2.01	0.41
14:A4:820:CLA:H143	14:A4:823:CLA:H91	2.02	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:A4:847:BCR:H403	16:A4:847:BCR:H23C	2.02	0.41
2:B4:283:PHE:CE1	14:B4:821:CLA:CBB	3.02	0.41
2:B4:463:ALA:HB2	14:B4:840:CLA:O2D	2.20	0.41
3:C4:28:VAL:HG12	4:D4:109:ARG:HB3	2.02	0.41
4:D4:95:HIS:HA	4:D4:97:LYS:N	2.35	0.41
6:F4:65:ILE:HD12	14:J4:102:CLA:HMB3	1.98	0.41
1:A6:74:SER:HA	1:A6:77:PHE:HD1	1.84	0.41
1:A6:278:PHE:CD1	1:A6:279:LEU:HG	2.55	0.41
14:L6:203:CLA:H191	14:L6:207:CLA:CBB	2.50	0.41
14:L6:208:CLA:HBA1	14:L6:208:CLA:H3A	1.88	0.41
1:A5:79:HIS:ND1	14:A5:805:CLA:O1A	2.53	0.41
1:A5:332:HIS:HA	14:A5:843:CLA:HBC2	2.02	0.41
2:B5:189:TRP:CZ3	2:B5:192:HIS:CD2	3.08	0.41
2:B5:236:PRO:O	2:B5:250:GLY:HA3	2.19	0.41
2:B5:267:LEU:HD13	14:B5:1819:CLA:H2A	2.01	0.41
2:B5:551:LYS:NZ	6:F5:137:THR:OG1	2.53	0.41
2:B5:682:GLU:HG2	3:C5:80:TYR:HE2	1.86	0.41
6:F5:88:VAL:HG12	6:F5:94:ALA:HA	2.02	0.41
1:A1:16:VAL:HG11	1:A1:183:ARG:HB3	2.03	0.41
1:A1:377:MET:N	1:A1:378:PRO:CD	2.82	0.41
1:A1:473:ASP:OD1	10:L1:69:ARG:NH2	2.53	0.41
1:A1:572:LEU:HD21	3:C1:52:ARG:NH2	2.35	0.41
1:A1:679:ALA:HB1	1:A1:738:GLY:O	2.19	0.41
1:A1:744:TRP:CG	16:A1:847:BCR:HC22	2.56	0.41
10:L1:134:VAL:HG11	16:L1:209:BCR:C21	2.50	0.41
1:A2:120:ILE:O	1:A2:122:GLY:N	2.53	0.41
1:A2:178:PHE:CE2	14:A2:1612:CLA:C2D	3.03	0.41
1:A2:196:MET:HE1	14:A2:1627:CLA:H142	2.02	0.41
1:A2:221:LEU:CB	1:A2:222:PRO:HD3	2.50	0.41
1:A2:555:LYS:HD2	2:B2:680:LEU:HD13	2.02	0.41
14:A2:1610:CLA:H3A	14:A2:1610:CLA:HBA2	1.77	0.41
7:I2:9:PHE:CZ	7:I2:10:LEU:CD1	3.03	0.41
1:A3:577:PRO:O	1:A3:578:CYS:CB	2.67	0.41
14:A3:805:CLA:C7	16:A3:849:BCR:H402	2.50	0.41
2:B3:372:ALA:HA	2:B3:600:TRP:CZ3	2.55	0.41
1:A4:19:ASP:N	1:A4:20:PRO:HD3	2.35	0.41
1:A4:581:PRO:HB3	2:B4:564:PRO:HB2	2.01	0.41
8:J4:40:PRO:O	8:J4:41:LEU:HB2	2.20	0.41
14:L4:203:CLA:HBA2	14:L4:203:CLA:H3A	1.87	0.41
14:L4:205:CLA:H101	14:B5:1812:CLA:C9	2.50	0.41
2:B6:220:GLY:O	2:B6:221:LEU:CB	2.68	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B6:300:ILE:HG23	14:B6:819:CLA:CED	2.51	0.41
2:B6:318:PHE:H	14:B6:822:CLA:C3B	2.33	0.41
1:A5:302:LEU:HD13	14:A5:815:CLA:CMC	2.48	0.41
2:B5:153:TRP:HH2	14:B5:1801:CLA:C6	2.33	0.41
2:B5:231:VAL:HA	2:B5:234:GLN:HG2	2.02	0.41
2:B5:514:LEU:HD12	14:B5:1828:CLA:HMC1	2.01	0.41
13:P2:62:GLN:HB2	13:P2:76:LEU:HD12	2.01	0.41
1:A1:88:SER:HB2	1:A1:162:ALA:O	2.20	0.41
1:A1:237:PRO:CB	1:A1:248:LEU:HD21	2.51	0.41
1:A1:379:PRO:HB2	14:A1:818:CLA:HAA2	2.02	0.41
14:A1:839:CLA:HHC	14:A1:839:CLA:HBB1	2.01	0.41
2:B1:50:PHE:CZ	14:B1:814:CLA:HED1	2.55	0.41
2:B1:56:ILE:O	2:B1:60:VAL:HG23	2.20	0.41
2:B1:342:ALA:HB1	16:B1:847:BCR:C20	2.50	0.41
2:B1:447:VAL:HG11	2:B1:621:TYR:CZ	2.55	0.41
14:B1:806:CLA:H122	16:I1:102:BCR:H281	2.02	0.41
16:B1:852:BCR:C21	8:J1:36:LEU:HD22	2.50	0.41
10:L1:68:LEU:HD13	10:L1:73:VAL:HG23	2.01	0.41
10:L1:153:PHE:O	10:L1:154:ASN:HB2	2.21	0.41
1:A2:90:MET:CE	14:A2:1610:CLA:HED2	2.46	0.41
1:A2:682:ILE:HD11	16:A2:1652:BCR:C14	2.51	0.41
2:B2:264:THR:HG22	2:B2:363:PHE:CE1	2.54	0.41
2:B2:432:LEU:HD11	14:B2:837:CLA:CMB	2.51	0.41
2:B2:500:LEU:N	2:B2:501:PRO:CD	2.83	0.41
14:B2:805:CLA:H41	14:B2:805:CLA:H61	1.70	0.41
7:I2:28:GLY:O	7:I2:32:LEU:HG	2.20	0.41
10:L2:23:ASP:O	10:L2:23:ASP:CG	2.58	0.41
1:A3:45:THR:HG21	14:A3:841:CLA:C4B	2.51	0.41
1:A3:657:GLN:HG2	1:A3:750:ARG:NH2	2.35	0.41
14:A3:843:CLA:H62	14:A3:843:CLA:H41	1.68	0.41
2:B3:233:ALA:HB2	14:B3:1818:CLA:HMA2	2.02	0.41
2:B3:625:TRP:CZ2	14:B3:1803:CLA:H142	2.55	0.41
14:B3:1805:CLA:H122	16:I3:101:BCR:H281	2.02	0.41
7:I3:30:LEU:HD13	16:L3:206:BCR:C8	2.50	0.41
1:A4:36:ARG:NH1	13:P4:67:ASP:CA	2.83	0.41
1:A4:121:VAL:HB	14:B4:835:CLA:HMD1	2.01	0.41
2:B4:25:ALA:HB2	19:B4:851:LMG:C12	2.38	0.41
2:B4:481:LEU:HD11	14:B4:836:CLA:OBD	2.20	0.41
2:B4:504:LEU:HA	2:B4:507:ILE:HG22	2.03	0.41
1:A6:196:MET:SD	14:A6:1625:CLA:HMD1	2.60	0.41
1:A6:744:TRP:CG	16:A6:1648:BCR:HC22	2.55	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B6:26:MET:CE	19:B6:848:LMG:HC3	2.50	0.41
2:B6:142:LEU:HD23	11:M6:14:ILE:HG22	2.02	0.41
2:B6:157:GLN:O	2:B6:161:ARG:HG3	2.20	0.41
2:B6:339:TRP:NE1	14:B6:824:CLA:C2B	2.70	0.41
2:B6:493:PRO:HG3	14:B6:836:CLA:C2D	2.49	0.41
5:E6:57:THR:HG23	13:P6:42:ALA:CB	2.50	0.41
7:I6:25:VAL:HG12	7:I6:29:LEU:HD12	2.02	0.41
1:A5:116:VAL:O	14:A5:809:CLA:HED2	2.20	0.41
1:A5:212:TRP:N	14:A5:814:CLA:HBB1	2.36	0.41
1:A5:447:VAL:HG21	14:A5:838:CLA:HMC3	2.01	0.41
1:A5:699:GLU:O	1:A5:702:GLU:HB2	2.20	0.41
14:A5:834:CLA:HMD2	14:A5:835:CLA:HBB1	2.01	0.41
2:B5:60:VAL:HG21	14:B5:1830:CLA:H11	2.01	0.41
2:B5:380:TYR:CD1	2:B5:593:ILE:HG21	2.55	0.41
2:B5:456:ILE:HD11	14:B5:1835:CLA:CHB	2.50	0.41
2:B5:466:ILE:HD13	14:B5:1836:CLA:HBB1	2.02	0.41
2:B5:497:ASN:HB3	2:B5:500:LEU:HB2	2.01	0.41
1:A1:401:GLY:O	1:A1:405:VAL:HG23	2.21	0.41
2:B1:177:HIS:HB2	14:B1:825:CLA:HED3	2.01	0.41
2:B1:548:ARG:HD3	6:F1:141:ARG:O	2.20	0.41
14:B1:801:CLA:O1A	14:B1:801:CLA:H3A	2.20	0.41
1:A2:36:ARG:NH1	13:P2:67:ASP:CA	2.84	0.41
1:A2:40:ARG:HD3	13:P2:61:ASP:C	2.40	0.41
1:A2:280:THR:OG1	1:A2:296:ASP:OD1	2.23	0.41
1:A2:466:ARG:NH2	1:A2:641:GLN:O	2.53	0.41
1:A2:626:ALA:HB1	1:A2:627:PRO:HD2	2.02	0.41
2:B2:391:ALA:O	2:B2:395:ILE:HG13	2.20	0.41
11:M2:26:SER:HA	11:M2:29:LEU:HD12	2.01	0.41
12:X2:23:ASN:OD1	14:X2:1701:CLA:NA	2.53	0.41
1:A3:56:HIS:HB3	14:A3:805:CLA:HAB	2.02	0.41
1:A3:446:TRP:CE2	14:A3:832:CLA:HAB	2.55	0.41
1:A3:592:TRP:CD1	14:A3:830:CLA:HMD1	2.56	0.41
14:A3:821:CLA:H143	14:A3:824:CLA:H91	2.02	0.41
2:B3:231:VAL:HA	2:B3:234:GLN:HG2	2.02	0.41
14:B3:1826:CLA:H61	14:B3:1826:CLA:H41	1.77	0.41
4:D3:95:HIS:HA	4:D3:97:LYS:N	2.35	0.41
1:A4:323:HIS:HB3	1:A4:328:ILE:HD11	2.01	0.41
1:A4:586:THR:O	1:A4:589:VAL:HG13	2.20	0.41
2:B4:339:TRP:CH2	16:B4:848:BCR:H372	2.55	0.41
2:B4:376:THR:HG23	2:B4:597:THR:CG2	2.51	0.41
2:B4:711:ALA:HB2	15:B4:844:PQN:C7	2.50	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B4:806:CLA:C2	11:M4:26:SER:HB2	2.51	0.41
4:D4:43:THR:O	4:D4:44:ALA:CB	2.68	0.41
1:A6:203:GLY:O	1:A6:207:LEU:HB2	2.20	0.41
1:A6:404:LEU:HD21	14:A6:1606:CLA:H142	2.01	0.41
1:A6:456:PHE:HB2	1:A6:541:ILE:HD11	2.02	0.41
1:A6:592:TRP:CD1	14:A6:1630:CLA:HMD1	2.55	0.41
14:A6:1608:CLA:HBA2	14:A6:1608:CLA:H3A	1.76	0.41
2:B6:288:HIS:C	14:B6:821:CLA:HAC2	2.40	0.41
14:B6:841:CLA:HBA2	14:B6:841:CLA:H3A	1.88	0.41
4:D6:83:TYR:CD1	4:D6:83:TYR:N	2.88	0.41
4:D6:117:ARG:HG3	4:D6:121:GLN:HB2	2.03	0.41
10:L6:48:LEU:HD22	10:L6:52:MET:SD	2.60	0.41
1:A5:377:MET:N	1:A5:378:PRO:CD	2.83	0.41
1:A5:542:HIS:HE1	1:A5:612:HIS:ND1	2.18	0.41
1:A5:684:ALA:HB2	14:B5:1804:CLA:C3D	2.50	0.41
3:C5:17:VAL:HG11	4:D5:102:PRO:HB2	2.02	0.41
16:J5:103:BCR:H11C	16:J5:103:BCR:H341	1.94	0.41
13:P6:46:SER:HB3	13:P6:64:PHE:CE1	2.56	0.41
1:A1:281:PHE:HE1	14:A1:817:CLA:HAB	1.84	0.41
1:A1:304:ILE:HD12	14:A1:818:CLA:HAB	2.03	0.41
14:A1:809:CLA:H3A	14:A1:809:CLA:HBA2	1.71	0.41
2:B1:349:SER:O	2:B1:353:GLN:HG2	2.21	0.41
2:B1:456:ILE:HD11	14:B1:834:CLA:C4A	2.49	0.41
2:B1:637:LEU:HD22	2:B1:730:PHE:HA	2.01	0.41
2:B1:657:LEU:HB3	14:B1:801:CLA:O2A	2.20	0.41
14:B1:803:CLA:HMB2	14:B1:833:CLA:H52	2.01	0.41
14:B1:826:CLA:HBB1	14:B1:840:CLA:HBB	2.03	0.41
14:J1:101:CLA:HBA2	14:J1:101:CLA:H3A	1.70	0.41
1:A2:283:GLY:O	1:A2:507:ALA:HB3	2.19	0.41
14:A2:1637:CLA:HBA2	14:A2:1637:CLA:H3A	1.78	0.41
2:B2:25:ALA:HB1	19:B2:848:LMG:O8	2.20	0.41
2:B2:52:HIS:CD2	14:B2:804:CLA:HMA1	2.55	0.41
2:B2:150:PHE:CE2	14:B2:810:CLA:HBC3	2.55	0.41
1:A3:180:TYR:OH	14:A3:811:CLA:CGD	2.68	0.41
1:A3:436:HIS:CD2	1:A3:440:ILE:HG13	2.55	0.41
14:A3:805:CLA:HMC3	14:A3:830:CLA:HMA1	2.02	0.41
14:A3:809:CLA:CBB	14:B3:1835:CLA:HMD2	2.50	0.41
14:A3:845:CLA:HBA1	14:A3:845:CLA:H3A	1.79	0.41
2:B3:236:PRO:O	2:B3:250:GLY:HA3	2.19	0.41
2:B3:318:PHE:CE1	16:B3:1848:BCR:H353	2.55	0.41
1:A4:697:TRP:CZ2	15:A4:843:PQN:H2M3	2.55	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B4:832:CLA:HBC2	16:B4:848:BCR:H402	2.02	0.41
14:B4:852:CLA:HBA2	14:B4:852:CLA:H12	1.88	0.41
10:L4:134:VAL:O	10:L4:138:LEU:HG	2.21	0.41
1:A6:168:MET:O	1:A6:172:MET:HB2	2.20	0.41
14:A6:1621:CLA:H143	14:A6:1624:CLA:H91	2.03	0.41
2:B6:84:ARG:CZ	2:B6:84:ARG:HA	2.51	0.41
2:B6:166:TRP:CZ2	14:B6:813:CLA:CAC	3.03	0.41
2:B6:182:PHE:N	2:B6:182:PHE:HD2	2.18	0.41
2:B6:263:GLN:HE21	2:B6:263:GLN:HB3	1.59	0.41
1:A5:120:ILE:O	1:A5:122:GLY:N	2.53	0.41
1:A5:396:HIS:HB2	14:A5:828:CLA:CHB	2.51	0.41
1:A5:696:TYR:CD2	1:A5:696:TYR:C	2.93	0.41
2:B5:52:HIS:CE1	14:B5:1807:CLA:HMA2	2.56	0.41
2:B5:229:TRP:CB	14:B5:1818:CLA:HBA2	2.51	0.41
2:B5:442:HIS:HB2	14:B5:1835:CLA:CHC	2.50	0.41
2:B5:629:TYR:O	2:B5:633:ASN:HB2	2.19	0.41
10:L5:54:HIS:HA	10:L5:57:PHE:CE2	2.56	0.41
1:A1:537:MET:SD	1:A1:644:ILE:HG22	2.61	0.41
2:B1:275:HIS:HB2	14:B1:818:CLA:C4A	2.50	0.41
1:A2:387:TYR:OH	1:A2:524:VAL:O	2.25	0.41
1:A2:561:ARG:NE	4:D2:40:GLU:OE2	2.49	0.41
1:A2:718:GLN:HA	1:A2:719:PRO:HD3	1.87	0.41
16:A2:1650:BCR:H23C	16:A2:1650:BCR:H403	2.03	0.41
2:B2:50:PHE:HB3	2:B2:148:ALA:O	2.21	0.41
2:B2:636:GLN:HG3	2:B2:737:ALA:HB1	2.01	0.41
5:E2:37:ILE:HD13	13:P2:41:ARG:CD	2.50	0.41
1:A3:177:TRP:HD1	14:A3:811:CLA:CHC	2.34	0.41
2:B3:320:MET:HA	2:B3:321:PRO:HD3	1.95	0.41
2:B3:390:PHE:CB	2:B3:540:LEU:HD22	2.51	0.41
10:L3:57:PHE:CD1	10:L3:57:PHE:C	2.94	0.41
16:M3:1602:BCR:H321	16:M3:1602:BCR:HC8	2.03	0.41
1:A4:156:PHE:CE2	14:A4:815:CLA:HED2	2.56	0.41
1:A4:332:HIS:HA	14:B5:1801:CLA:HBC2	2.03	0.41
1:A4:575:ARG:NH2	17:A4:850:LHG:O2	2.52	0.41
1:A4:649:TRP:O	1:A4:653:PHE:HB3	2.21	0.41
14:A4:807:CLA:HBA2	14:A4:807:CLA:H3A	1.76	0.41
14:A4:826:CLA:HBB1	14:A4:833:CLA:HMA2	2.03	0.41
14:B4:812:CLA:H101	14:L6:208:CLA:C9	2.51	0.41
5:E4:37:ILE:HG21	13:P4:41:ARG:HD3	2.01	0.41
10:L4:50:VAL:HA	14:L4:204:CLA:O1D	2.20	0.41
10:L4:97:GLY:CA	10:L4:117:TRP:HD1	2.34	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A6:67:ASP:O	1:A6:71:LYS:HG3	2.21	0.41
16:A6:1646:BCR:H403	16:A6:1646:BCR:H23C	2.02	0.41
2:B6:181:LEU:HD21	14:B6:806:CLA:H93	2.02	0.41
2:B6:234:GLN:O	2:B6:236:PRO:HD3	2.20	0.41
2:B6:361:TYR:O	2:B6:364:ILE:HG22	2.20	0.41
2:B6:466:ILE:HD11	14:B6:837:CLA:H43	2.02	0.41
4:D6:96:PRO:O	4:D6:97:LYS:C	2.59	0.41
4:D6:134:LYS:HG2	4:D6:136:TYR:OH	2.21	0.41
10:L6:153:PHE:O	10:L6:154:ASN:HB2	2.21	0.41
1:A5:90:MET:HE3	14:A5:808:CLA:HED2	2.02	0.41
1:A5:360:LEU:HD23	1:A5:407:GLY:C	2.41	0.41
14:A5:809:CLA:CBB	14:B5:1835:CLA:HMD2	2.50	0.41
2:B5:676:TYR:CD2	2:B5:676:TYR:C	2.93	0.41
7:I5:22:MET:O	7:I5:23:PRO:C	2.55	0.41
13:P4:54:GLU:HG2	13:P4:87:LYS:HB3	2.02	0.41
1:A1:577:PRO:O	1:A1:578:CYS:CB	2.67	0.41
14:A1:825:CLA:HBA2	14:A1:825:CLA:H3A	1.90	0.41
2:B1:267:LEU:HD13	14:B1:818:CLA:H2A	2.01	0.41
2:B1:354:HIS:CE1	14:B1:827:CLA:C1B	3.04	0.41
2:B1:629:TYR:O	2:B1:633:ASN:HB2	2.21	0.41
1:A2:40:ARG:CG	13:P2:60:SER:CB	2.98	0.41
1:A2:88:SER:HB2	1:A2:162:ALA:O	2.20	0.41
1:A2:220:SER:O	1:A2:224:ASN:HB2	2.20	0.41
1:A2:585:GLY:HA3	2:B2:674:ARG:HD3	2.02	0.41
14:A2:1614:CLA:HHC	14:A2:1614:CLA:HBB1	2.02	0.41
14:A2:1625:CLA:HBA2	14:A2:1625:CLA:H3A	1.86	0.41
3:C2:11:ILE:HD12	13:P2:39:SER:O	2.21	0.41
2:B3:531:LEU:HD21	14:B3:1804:CLA:CBB	2.51	0.41
4:D3:39:PHE:CE2	4:D3:47:ALA:HB3	2.56	0.41
1:A4:406:VAL:HG11	1:A4:599:LEU:HG	2.03	0.41
2:B4:217:HIS:CG	2:B4:218:PRO:HD2	2.56	0.41
2:B4:342:ALA:HB2	16:B4:849:BCR:H372	2.02	0.41
10:L4:69:ARG:NH2	14:L4:201:CLA:HED3	2.36	0.41
11:M4:17:LEU:HB3	11:M4:18:PRO:CD	2.51	0.41
1:A6:33:HIS:CG	1:A6:34:PHE:N	2.88	0.41
1:A6:212:TRP:N	14:A6:1614:CLA:HBB1	2.36	0.41
14:A6:1605:CLA:HMC3	14:A6:1630:CLA:HMA1	2.02	0.41
2:B6:182:PHE:N	2:B6:182:PHE:CD2	2.87	0.41
2:B6:641:TYR:HB2	2:B6:646:THR:HG22	2.02	0.41
1:A5:253:TYR:HA	1:A5:277:ASP:CG	2.41	0.41
1:A5:460:VAL:HG23	14:L5:203:CLA:HMC3	2.01	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B5:189:TRP:CH2	2:B5:192:HIS:CD2	3.08	0.41
2:B5:231:VAL:O	2:B5:234:GLN:HG2	2.21	0.41
13:P3:46:SER:HB3	13:P3:64:PHE:CE1	2.56	0.41
13:P6:54:GLU:HG2	13:P6:87:LYS:HB3	2.02	0.41
13:P5:46:SER:HB3	13:P5:64:PHE:CE1	2.55	0.41
1:A1:662:ILE:O	2:B1:627:ARG:HD3	2.20	0.41
2:B1:136:GLN:HE22	14:B1:815:CLA:HBD	1.86	0.41
2:B1:220:GLY:O	2:B1:221:LEU:CB	2.68	0.41
2:B1:380:TYR:CE1	2:B1:593:ILE:HG22	2.55	0.41
2:B1:595:TRP:CD1	14:B1:804:CLA:H152	2.55	0.41
2:B1:667:PHE:CB	14:B1:806:CLA:HMC3	2.50	0.41
5:E1:7:VAL:O	5:E1:20:VAL:HA	2.20	0.41
16:L1:203:BCR:C8	16:L1:203:BCR:H331	2.51	0.41
11:M1:15:ALA:O	11:M1:18:PRO:HD2	2.21	0.41
1:A2:114:ALA:O	1:A2:115:GLN:O	2.39	0.41
1:A2:177:TRP:HB2	14:A2:1613:CLA:CMC	2.51	0.41
1:A2:597:LEU:HD21	2:B2:672:SER:CB	2.51	0.41
14:A2:1643:CLA:H41	14:A2:1643:CLA:H62	1.83	0.41
2:B2:117:SER:HA	14:B2:826:CLA:HMA2	2.02	0.41
2:B2:298:HIS:CE1	14:B2:821:CLA:OBD	2.73	0.41
2:B2:339:TRP:CZ3	16:B2:845:BCR:H372	2.56	0.41
2:B2:593:ILE:HD13	2:B2:593:ILE:N	2.35	0.41
5:E2:57:THR:HG21	13:P2:42:ALA:CA	2.50	0.41
8:J2:27:ILE:HG21	16:J2:103:BCR:H343	2.02	0.41
10:L2:44:ILE:HG23	10:L2:45:LEU:N	2.36	0.41
1:A3:446:TRP:CD1	14:A3:843:CLA:O1A	2.74	0.41
2:B3:496:GLY:O	2:B3:497:ASN:C	2.59	0.41
1:A4:168:MET:O	1:A4:172:MET:HB2	2.21	0.41
1:A4:548:VAL:HG11	1:A4:601:TRP:CZ2	2.56	0.41
14:A4:811:CLA:HHC	14:A4:811:CLA:HBB1	2.02	0.41
2:B4:153:TRP:CZ3	14:B4:852:CLA:H62	2.54	0.41
2:B4:211:PHE:HB3	14:B4:816:CLA:CMD	2.51	0.41
2:B4:623:MET:SD	2:B4:626:LEU:HD23	2.60	0.41
14:B4:836:CLA:HBA2	14:B4:837:CLA:HMB3	2.03	0.41
16:I4:102:BCR:C8	16:I4:102:BCR:H331	2.51	0.41
14:L4:203:CLA:H171	7:I5:24:THR:CG2	2.51	0.41
1:A6:742:THR:HG21	14:A6:1602:CLA:CHA	2.51	0.41
2:B6:496:GLY:O	2:B6:497:ASN:C	2.59	0.41
1:A5:98:SER:HB2	1:A5:113:SER:O	2.20	0.41
1:A5:232:ALA:O	1:A5:235:ASP:HB2	2.20	0.41
2:B5:30:PHE:CD1	2:B5:45:ILE:HD13	2.55	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B5:235:ASN:OD1	2:B5:235:ASN:N	2.51	0.41
2:B5:263:GLN:HE21	2:B5:263:GLN:HB3	1.71	0.41
5:E5:39:ARG:NH2	13:P5:24:TYR:HH	2.11	0.41
10:L5:25:GLY:O	10:L5:26:LEU:C	2.58	0.41
10:L5:58:LEU:HD23	10:L5:58:LEU:HA	1.89	0.41
13:P1:46:SER:HB3	13:P1:64:PHE:CE1	2.56	0.41
1:A1:302:LEU:HD13	14:A1:814:CLA:HMC1	2.03	0.41
1:A1:436:HIS:CD2	1:A1:440:ILE:HG13	2.55	0.41
2:B1:52:HIS:CG	14:B1:807:CLA:HMA1	2.56	0.41
2:B1:189:TRP:CZ2	14:B1:819:CLA:OBD	2.74	0.41
2:B1:208:TRP:CH2	16:B1:845:BCR:H362	2.55	0.41
2:B1:261:HIS:HA	2:B1:268:TRP:CZ2	2.56	0.41
2:B1:313:LYS:O	2:B1:314:VAL:HG13	2.20	0.41
2:B1:418:LYS:HG3	2:B1:419:GLU:N	2.35	0.41
2:B1:430:LEU:HD21	14:B1:803:CLA:CMD	2.51	0.41
2:B1:595:TRP:CZ2	14:B1:805:CLA:C1B	3.04	0.41
2:B1:604:HIS:HB3	2:B1:608:TRP:CH2	2.56	0.41
14:B1:810:CLA:O1A	14:B1:828:CLA:HBD	2.21	0.41
14:B1:853:CLA:HMA2	14:A2:1601:CLA:HAA1	2.03	0.41
4:D1:120:GLY:HA3	5:E1:13:GLU:OE2	2.21	0.41
10:L1:62:TRP:CE3	10:L1:81:SER:CB	3.04	0.41
12:X1:30:TYR:CD2	12:X1:30:TYR:C	2.94	0.41
1:A2:36:ARG:HH12	13:P2:71:GLU:HG3	1.79	0.41
1:A2:307:LEU:HD23	1:A2:307:LEU:HA	1.97	0.41
1:A2:337:THR:OG1	17:A2:1654:LHG:HC32	2.21	0.41
1:A2:519:ALA:HB2	1:A2:625:VAL:HG21	2.03	0.41
1:A2:744:TRP:CZ2	14:A2:1630:CLA:H11	2.56	0.41
2:B2:278:ALA:HA	14:B2:815:CLA:HMC3	2.03	0.41
2:B2:286:ALA:HB2	14:B2:818:CLA:HBC2	2.03	0.41
2:B2:339:TRP:NE1	14:B2:823:CLA:C2B	2.58	0.41
2:B2:551:LYS:HD3	6:F2:138:VAL:C	2.41	0.41
6:F2:52:VAL:CG1	6:F2:54:ASP:HB2	2.50	0.41
7:I2:23:PRO:HA	7:I2:26:VAL:HG22	2.03	0.41
16:M2:1202:BCR:H321	16:M2:1202:BCR:HC8	2.01	0.41
1:A3:257:ASP:O	1:A3:258:TRP:HB2	2.21	0.41
1:A3:281:PHE:CD1	14:A3:818:CLA:CMB	3.04	0.41
16:A3:852:BCR:H381	14:B3:1834:CLA:HMA1	2.03	0.41
2:B3:254:LEU:HD22	2:B3:274:HIS:HA	2.02	0.41
2:B3:340:HIS:CD2	14:B3:1807:CLA:H142	2.56	0.41
2:B3:527:HIS:CD2	16:B3:1851:BCR:H322	2.55	0.41
14:B3:1840:CLA:CGA	14:B3:1840:CLA:C1A	2.98	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:B3:1842:CLA:HED3	7:I3:31:PHE:CZ	2.54	0.41
6:F3:95:ASN:H	6:F3:95:ASN:ND2	2.19	0.41
10:L3:153:PHE:O	10:L3:154:ASN:HB2	2.21	0.41
11:M3:21:LEU:CD2	14:M3:1601:CLA:CMA	2.98	0.41
1:A4:114:ALA:O	1:A4:115:GLN:O	2.38	0.41
14:A4:818:CLA:O1A	14:A4:828:CLA:HMD1	2.21	0.41
14:A4:831:CLA:C3D	10:L4:21:ILE:HG21	2.51	0.41
14:A4:833:CLA:HMD2	14:A4:834:CLA:HBB1	2.03	0.41
2:B4:181:LEU:HD13	14:B4:815:CLA:CHB	2.49	0.41
2:B4:208:TRP:CZ2	14:B4:816:CLA:C2	3.04	0.41
2:B4:215:MET:HA	2:B4:216:PRO:HD3	1.90	0.41
2:B4:231:VAL:O	2:B4:234:GLN:HG2	2.21	0.41
2:B4:235:ASN:HA	2:B4:236:PRO:HD3	1.95	0.41
7:I4:20:TRP:CD1	16:I4:102:BCR:HC22	2.48	0.41
1:A6:88:SER:HB2	1:A6:162:ALA:O	2.21	0.41
1:A6:212:TRP:HA	14:A6:1614:CLA:HBB1	2.03	0.41
1:A6:681:PHE:CD1	16:A6:1648:BCR:H363	2.56	0.41
1:A6:682:ILE:HD12	16:A6:1648:BCR:H353	2.03	0.41
14:A6:1628:CLA:H62	14:A6:1628:CLA:H41	1.80	0.41
2:B6:178:LEU:O	2:B6:283:PHE:HB3	2.21	0.41
2:B6:354:HIS:CE1	14:B6:826:CLA:C1B	3.03	0.41
2:B6:390:PHE:CB	2:B6:540:LEU:HD22	2.50	0.41
2:B6:398:VAL:HG23	2:B6:547:ALA:HB1	2.02	0.41
2:B6:699:TRP:O	2:B6:699:TRP:CD1	2.74	0.41
14:B6:803:CLA:HMB2	14:B6:832:CLA:H52	2.02	0.41
14:B6:818:CLA:HBA2	14:B6:818:CLA:H3A	1.96	0.41
3:C6:72:THR:H	3:C6:75:SER:HG	1.64	0.41
4:D6:29:ILE:HA	4:D6:81:LYS:O	2.21	0.41
8:J6:40:PRO:O	8:J6:41:LEU:HB2	2.21	0.41
1:A5:466:ARG:O	2:B5:646:THR:HG21	2.21	0.41
2:B5:440:TYR:CD1	14:B5:1803:CLA:H203	2.56	0.41
2:B5:503:TRP:HE3	14:B5:1819:CLA:H11	1.86	0.41
2:B5:582:PHE:CZ	14:B5:1831:CLA:HMD2	2.56	0.41
2:B5:699:TRP:CD1	2:B5:702:LYS:HA	2.56	0.41
8:J5:11:ALA:N	8:J5:12:PRO:HD2	2.35	0.41
13:P1:54:GLU:HG2	13:P1:87:LYS:HB3	2.01	0.41
14:A1:804:CLA:C7	16:A1:844:BCR:H402	2.51	0.41
2:B1:50:PHE:CD1	2:B1:152:GLY:HA2	2.55	0.41
2:B1:258:GLY:HA2	14:B1:818:CLA:H12	2.03	0.41
2:B1:493:PRO:CG	14:B1:837:CLA:C1D	2.86	0.41
2:B1:660:HIS:HB3	14:B1:801:CLA:HBD	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B1:668:MET:HA	14:B1:806:CLA:C3C	2.51	0.41
2:B1:711:ALA:HB2	15:B1:842:PQN:C7	2.50	0.41
14:B1:815:CLA:HMA2	16:B1:845:BCR:H282	2.03	0.41
1:A2:48:ILE:HD11	14:A2:1642:CLA:HMA1	2.02	0.41
1:A2:257:ASP:O	1:A2:258:TRP:HB2	2.21	0.41
1:A2:452:GLY:CA	1:A2:544:PHE:CE1	3.03	0.41
1:A2:514:GLY:HA2	1:A2:528:PRO:HB3	2.03	0.41
14:A2:1604:CLA:C14	16:A2:1652:BCR:H402	2.50	0.41
14:A2:1623:CLA:H143	14:A2:1626:CLA:H91	2.03	0.41
2:B2:343:CYS:HA	14:B2:825:CLA:H51	2.02	0.41
2:B2:395:ILE:HG13	2:B2:561:TYR:CE1	2.56	0.41
2:B2:481:LEU:HA	2:B2:489:SER:OG	2.21	0.41
3:C2:54:GLU:CG	3:C2:62:LEU:HD13	2.51	0.41
3:C2:65:ARG:HG2	3:C2:67:TYR:CZ	2.56	0.41
10:L2:65:LEU:O	14:L2:202:CLA:HED2	2.21	0.41
1:A3:79:HIS:CE1	14:A3:805:CLA:CMA	3.04	0.41
1:A3:303:ALA:HB2	14:A3:818:CLA:CBB	2.46	0.41
2:B3:198:ILE:HB	2:B3:199:PRO:HD3	2.03	0.41
14:B3:1807:CLA:H3A	14:B3:1807:CLA:HBA1	1.83	0.41
14:B3:1811:CLA:H102	14:B3:1829:CLA:H193	2.02	0.41
1:A4:212:TRP:N	14:A4:813:CLA:HBB1	2.35	0.41
1:A4:724:ILE:CD1	2:B4:574:CYS:SG	3.09	0.41
14:B4:809:CLA:HBB1	14:B4:809:CLA:HHC	2.01	0.41
6:F4:70:PHE:CD1	16:F4:201:BCR:C9	3.04	0.41
1:A6:612:HIS:ND1	14:A6:1636:CLA:HMC2	2.35	0.41
1:A6:750:ARG:O	1:A6:754:VAL:HG22	2.22	0.41
14:A6:1640:CLA:H192	8:J6:22:THR:CG2	2.51	0.41
2:B6:625:TRP:O	2:B6:629:TYR:HB3	2.21	0.41
4:D6:43:THR:O	4:D6:44:ALA:CB	2.68	0.41
8:J6:27:ILE:HG21	16:J6:1105:BCR:C9	2.51	0.41
10:L6:36:ALA:HB3	10:L6:37:TYR:CD1	2.56	0.41
16:M6:1202:BCR:H321	16:M6:1202:BCR:HC8	2.02	0.41
2:B5:229:TRP:HB2	14:B5:1818:CLA:HBA2	2.02	0.41
2:B5:564:PRO:O	2:B5:565:CYS:HB3	2.20	0.41
2:B5:586:MET:O	2:B5:590:LEU:HG	2.21	0.41
14:B5:1805:CLA:H122	16:I5:101:BCR:H281	2.03	0.41
8:J5:28:GLU:HG3	14:J5:101:CLA:NB	2.35	0.41
14:K5:101:CLA:HBA2	14:K5:101:CLA:H3A	1.81	0.41
10:L5:7:PRO:HB3	10:L5:12:PRO:HA	2.03	0.41
10:L5:96:TYR:O	10:L5:100:SER:N	2.53	0.41
16:M5:101:BCR:H321	16:M5:101:BCR:HC8	2.02	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A1:219:VAL:C	1:A1:222:PRO:HD2	2.41	0.40
1:A1:544:PHE:CZ	14:B1:801:CLA:HBB1	2.56	0.40
1:A1:622:TRP:O	1:A1:633:HIS:HD2	2.04	0.40
2:B1:178:LEU:HD21	14:B1:820:CLA:C1B	2.51	0.40
4:D1:83:TYR:CE2	4:D1:93:LEU:HG	2.56	0.40
10:L1:94:ALA:O	10:L1:98:LEU:HG	2.20	0.40
1:A2:429:VAL:O	1:A2:433:VAL:HG13	2.20	0.40
14:A2:1636:CLA:HMD2	14:A2:1637:CLA:HBB1	2.03	0.40
2:B2:217:HIS:CG	2:B2:218:PRO:HD2	2.56	0.40
2:B2:599:TYR:CE2	14:B2:836:CLA:C2C	3.04	0.40
2:B2:660:HIS:CE1	2:B2:726:THR:HG21	2.56	0.40
1:A3:16:VAL:HG11	1:A3:183:ARG:HB3	2.02	0.40
1:A3:75:ALA:HB1	14:A3:805:CLA:HBB1	2.01	0.40
1:A3:114:ALA:O	1:A3:115:GLN:O	2.39	0.40
1:A3:375:TYR:OH	14:A3:837:CLA:HBC3	2.21	0.40
1:A3:543:ALA:HB1	14:A3:838:CLA:HMB3	2.03	0.40
1:A3:654:LEU:HD11	14:A3:801:CLA:H72	2.01	0.40
2:B3:110:ASN:HB2	2:B3:111:PRO:CD	2.51	0.40
2:B3:360:PRO:CB	14:B3:1820:CLA:HAA2	2.50	0.40
2:B3:599:TYR:CE2	14:B3:1839:CLA:C3C	3.03	0.40
14:B3:1820:CLA:H62	14:B3:1820:CLA:H41	1.76	0.40
14:B3:1831:CLA:H8	19:B3:1850:LMG:H242	2.02	0.40
14:B3:1840:CLA:H202	6:F3:71:LEU:HD11	2.03	0.40
2:B4:181:LEU:HG	14:B4:815:CLA:H43	2.03	0.40
14:B4:812:CLA:O2A	14:B4:812:CLA:H2A	2.20	0.40
4:D4:9:LEU:HB2	4:D4:48:VAL:HB	2.03	0.40
14:L4:203:CLA:HBA1	10:L5:87:LEU:CD2	2.51	0.40
12:X4:23:ASN:ND2	14:X4:102:CLA:C4D	2.84	0.40
1:A6:198:ASN:OD1	1:A6:315:TYR:CD1	2.72	0.40
10:L6:6:LYS:HB2	10:L6:7:PRO:HD2	2.03	0.40
1:A5:300:HIS:HB2	14:A5:818:CLA:C1B	2.51	0.40
14:A5:812:CLA:HBB1	14:A5:812:CLA:HHC	2.03	0.40
2:B5:417:HIS:ND1	14:B5:1832:CLA:HED1	2.35	0.40
4:D5:28:ALA:HB2	4:D5:57:TYR:CD2	2.55	0.40
14:J5:101:CLA:HBA2	14:J5:101:CLA:H3A	1.68	0.40
10:L5:38:ARG:NH2	14:L5:204:CLA:C4C	2.84	0.40
11:M5:12:LEU:HB3	16:M5:101:BCR:C21	2.51	0.40
1:A1:98:SER:HB2	1:A1:113:SER:O	2.21	0.40
1:A1:248:LEU:HD12	1:A1:251:GLU:OE2	2.21	0.40
2:B1:208:TRP:CE2	14:B1:815:CLA:C3D	3.04	0.40
2:B1:290:TYR:HE2	14:B1:820:CLA:O1D	2.03	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B1:439:LEU:HD21	14:B1:834:CLA:HMB3	2.03	0.40
2:B1:577:SER:N	2:B1:580:ASP:OD2	2.47	0.40
16:B1:848:BCR:C10	6:F1:70:PHE:HE1	2.34	0.40
14:B1:854:CLA:O2A	14:B1:854:CLA:H2A	2.21	0.40
1:A2:420:TYR:CD2	1:A2:561:ARG:HD2	2.56	0.40
1:A2:455:SER:O	1:A2:458:LEU:HG	2.21	0.40
14:A2:1612:CLA:HBA2	14:A2:1612:CLA:H3A	1.70	0.40
14:A2:1621:CLA:O1A	14:A2:1631:CLA:HMD1	2.20	0.40
2:B2:496:GLY:O	2:B2:497:ASN:C	2.60	0.40
10:L2:65:LEU:HA	10:L2:69:ARG:HD3	2.01	0.40
1:A3:589:VAL:HG13	2:B3:675:GLY:HA3	2.04	0.40
14:A3:828:CLA:H62	14:A3:828:CLA:H41	1.80	0.40
2:B3:25:ALA:HA	14:B3:1831:CLA:H42	2.03	0.40
2:B3:267:LEU:HD22	14:B3:1819:CLA:HBA1	2.03	0.40
5:E3:39:ARG:NH1	13:P3:24:TYR:CE2	2.90	0.40
1:A4:221:LEU:CB	1:A4:222:PRO:HD3	2.50	0.40
1:A4:508:THR:HG22	1:A4:510:SER:H	1.86	0.40
2:B4:394:ALA:HB3	2:B4:561:TYR:HE1	1.86	0.40
2:B4:490:THR:O	2:B4:495:TYR:HA	2.22	0.40
2:B4:496:GLY:O	2:B4:497:ASN:C	2.59	0.40
2:B4:654:TRP:CH2	14:B4:801:CLA:H72	2.57	0.40
3:C4:11:ILE:HD12	13:P4:39:SER:C	2.41	0.40
3:C4:57:CYS:HA	3:C4:58:PRO:HD3	1.77	0.40
4:D4:96:PRO:O	4:D4:97:LYS:C	2.59	0.40
6:F4:100:ILE:HG21	8:J4:6:THR:CG2	2.51	0.40
8:J4:21:ILE:O	14:J4:101:CLA:HBB2	2.22	0.40
10:L4:89:ALA:HB1	16:L4:206:BCR:C40	2.48	0.40
1:A6:709:ASN:CB	6:F6:136:ILE:HG23	2.50	0.40
14:A6:1612:CLA:HBB1	14:A6:1612:CLA:HHC	2.03	0.40
2:B6:74:GLU:OE1	11:M6:1:MET:N	2.40	0.40
2:B6:553:MET:N	2:B6:554:PRO:HD3	2.35	0.40
14:B6:818:CLA:H62	14:B6:818:CLA:H41	1.76	0.40
6:F6:79:TRP:CH2	6:F6:120:ALA:HA	2.56	0.40
2:B5:166:TRP:CH2	14:B5:1815:CLA:HAC2	2.55	0.40
2:B5:353:GLN:HG3	14:B5:1827:CLA:O1D	2.21	0.40
2:B5:372:ALA:HA	2:B5:600:TRP:CZ3	2.55	0.40
14:B5:1822:CLA:HBB1	16:B5:1845:BCR:H14C	2.03	0.40
10:L5:79:LEU:HD22	10:L5:136:PHE:CD2	2.56	0.40
2:B1:157:GLN:O	2:B1:161:ARG:HG3	2.21	0.40
2:B1:170:ALA:O	14:B1:825:CLA:HMD3	2.21	0.40
2:B1:208:TRP:CD1	14:B1:815:CLA:OBD	2.74	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B1:235:ASN:HA	2:B1:236:PRO:HD3	1.96	0.40
2:B1:453:GLU:HA	6:F1:48:LEU:HD22	2.03	0.40
14:B1:829:CLA:H3A	14:B1:829:CLA:HBA2	1.72	0.40
5:E1:68:VAL:O	5:E1:69:ALA:O	2.39	0.40
1:A2:173:LEU:CD2	14:A2:1611:CLA:H201	2.51	0.40
14:A2:1623:CLA:HBB1	14:A2:1623:CLA:HMB1	2.03	0.40
2:B2:60:VAL:HG21	14:B2:827:CLA:C1	2.47	0.40
14:B2:824:CLA:H3A	14:B2:824:CLA:HBA2	1.74	0.40
4:D2:43:THR:O	4:D2:44:ALA:CB	2.69	0.40
1:A3:484:PRO:HB3	14:A3:838:CLA:HED3	2.03	0.40
1:A3:564:ARG:NH2	4:D3:15:GLY:HA2	2.36	0.40
1:A3:679:ALA:HB1	1:A3:738:GLY:O	2.20	0.40
14:A3:819:CLA:HMB1	14:A3:819:CLA:CBB	2.50	0.40
2:B3:117:SER:OG	14:B3:1810:CLA:O1D	2.23	0.40
2:B3:681:ILE:HD13	2:B3:705:ALA:N	2.36	0.40
5:E3:57:THR:CG2	13:P3:42:ALA:CA	2.97	0.40
1:A4:67:ASP:O	1:A4:71:LYS:HG3	2.20	0.40
1:A4:79:HIS:CE1	14:A4:804:CLA:CMA	3.04	0.40
1:A4:207:LEU:HD23	1:A4:207:LEU:HA	1.93	0.40
1:A4:368:ILE:HG13	1:A4:401:GLY:HA3	2.03	0.40
1:A4:578:CYS:SG	18:A4:852:SF4:S1	3.17	0.40
14:A4:840:CLA:H62	14:A4:840:CLA:H41	1.83	0.40
2:B4:184:VAL:HG11	16:B4:846:BCR:H11C	2.03	0.40
2:B4:198:ILE:HB	2:B4:199:PRO:HD3	2.04	0.40
2:B4:459:GLU:HA	2:B4:460:PRO:HD3	1.86	0.40
2:B4:598:PHE:CE2	2:B4:630:LEU:HD21	2.57	0.40
4:D4:50:ARG:H	4:D4:54:ASN:HD21	1.68	0.40
14:A6:1603:CLA:HMD2	2:B6:584:LEU:HB3	2.04	0.40
14:B6:804:CLA:H62	14:B6:804:CLA:H102	1.88	0.40
1:A5:542:HIS:HB3	14:A5:836:CLA:HBB1	2.03	0.40
14:A5:821:CLA:HBB1	14:A5:821:CLA:HMB1	2.03	0.40
14:A5:826:CLA:HBA2	14:A5:826:CLA:H3A	1.87	0.40
2:B5:663:TRP:CZ2	2:B5:667:PHE:CZ	3.09	0.40
14:B5:1816:CLA:HMA2	16:B5:1847:BCR:H282	2.04	0.40
3:C5:2:HIS:ND1	3:C5:68:LEU:HA	2.37	0.40
16:L5:201:BCR:H20C	16:L5:201:BCR:H361	1.88	0.40
14:B1:821:CLA:HBB1	16:B1:843:BCR:H14C	2.04	0.40
14:B1:854:CLA:C20	14:L2:207:CLA:HMD1	2.50	0.40
3:C1:52:ARG:O	3:C1:55:THR:HB	2.21	0.40
6:F1:103:VAL:CG1	6:F1:107:ILE:HD11	2.51	0.40
11:M1:29:LEU:HD13	14:M1:1201:CLA:H3A	2.04	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B2:377:HIS:O	2:B2:381:ILE:HG12	2.21	0.40
14:B2:827:CLA:H3A	14:B2:827:CLA:HBA2	1.72	0.40
6:F2:63:PHE:C	6:F2:66:PRO:HD2	2.41	0.40
11:M2:17:LEU:HB3	11:M2:18:PRO:HD3	2.02	0.40
2:B3:500:LEU:N	2:B3:501:PRO:CD	2.84	0.40
11:M3:17:LEU:HA	14:M3:1601:CLA:HMB3	2.02	0.40
1:A4:194:GLU:OE2	1:A4:194:GLU:N	2.49	0.40
1:A4:612:HIS:CE1	14:A4:835:CLA:C3C	3.04	0.40
1:A4:742:THR:HG21	14:A4:801:CLA:CHA	2.51	0.40
2:B4:117:SER:O	2:B4:374:LEU:HD21	2.22	0.40
2:B4:149:LEU:O	11:M4:25:LEU:HD22	2.21	0.40
2:B4:216:PRO:HD3	14:B4:817:CLA:O2D	2.22	0.40
2:B4:278:ALA:HB2	14:B4:819:CLA:HBB1	2.04	0.40
2:B4:667:PHE:HB2	14:B4:805:CLA:HMC3	2.02	0.40
16:I4:102:BCR:HC41	14:L6:208:CLA:H201	2.04	0.40
1:A6:541:ILE:HD12	14:A6:1602:CLA:H193	2.04	0.40
1:A6:702:GLU:OE2	2:B6:552:LEU:N	2.54	0.40
15:A6:1642:PQN:H191	15:A6:1642:PQN:H212	1.91	0.40
16:A6:1648:BCR:H20C	16:A6:1648:BCR:H361	1.87	0.40
2:B6:361:TYR:CE2	14:B6:818:CLA:O2D	2.64	0.40
2:B6:504:LEU:HA	2:B6:507:ILE:HG22	2.02	0.40
16:B6:850:BCR:H20C	16:B6:850:BCR:H361	1.90	0.40
1:A5:79:HIS:NE2	14:A5:805:CLA:CMA	2.84	0.40
1:A5:593:ASP:HA	1:A5:596:PHE:HB3	2.02	0.40
2:B5:458:ILE:HD11	16:J5:105:BCR:C34	2.51	0.40
14:B5:1835:CLA:H11	8:J5:29:PHE:CE2	2.56	0.40
14:A1:811:CLA:HBB1	14:A1:811:CLA:HHC	2.04	0.40
14:A1:818:CLA:HMB1	14:A1:818:CLA:CBB	2.51	0.40
14:A1:830:CLA:HMB2	14:L1:201:CLA:C1D	2.51	0.40
14:A1:832:CLA:HMD2	14:A1:833:CLA:HBB1	2.02	0.40
2:B1:427:TRP:CZ2	14:B1:832:CLA:HBB1	2.56	0.40
2:B1:459:GLU:HA	2:B1:460:PRO:HD3	1.90	0.40
2:B1:559:PHE:CE2	3:C1:67:TYR:CD2	3.10	0.40
3:C1:28:VAL:HG12	4:D1:109:ARG:HB3	2.04	0.40
1:A2:557:VAL:HG11	14:A2:1623:CLA:H201	2.04	0.40
15:A2:1646:PQN:H161	15:A2:1646:PQN:H141	1.92	0.40
14:B2:801:CLA:HAA2	14:B2:801:CLA:O2D	2.21	0.40
5:E2:57:THR:CG2	13:P2:42:ALA:CA	2.99	0.40
1:A3:293:TRP:O	1:A3:296:ASP:HB2	2.21	0.40
2:B3:504:LEU:HA	2:B3:507:ILE:HG22	2.03	0.40
2:B3:514:LEU:CD1	14:B3:1828:CLA:CMC	2.99	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B3:678:GLN:HA	2:B3:681:ILE:HD12	2.02	0.40
16:I3:102:BCR:C8	16:I3:102:BCR:H331	2.50	0.40
1:A4:220:SER:O	1:A4:224:ASN:HB2	2.21	0.40
1:A4:221:LEU:HD11	1:A4:295:SER:CA	2.52	0.40
1:A4:325:LEU:HD13	14:A4:824:CLA:HAC2	2.03	0.40
2:B4:231:VAL:HA	2:B4:234:GLN:HG2	2.02	0.40
2:B4:529:ILE:HG21	14:B4:839:CLA:HAB	2.02	0.40
1:A6:679:ALA:HB1	1:A6:738:GLY:O	2.21	0.40
1:A6:683:TRP:CE3	14:A6:1602:CLA:HMA1	2.56	0.40
16:A6:1648:BCR:H381	14:B6:832:CLA:HMA1	2.04	0.40
2:B6:658:PHE:O	2:B6:662:VAL:HG23	2.22	0.40
16:J6:1104:BCR:H11C	16:J6:1104:BCR:H341	1.95	0.40
10:L6:59:ILE:HD11	10:L6:135:ALA:CB	2.52	0.40
1:A5:436:HIS:HA	4:D5:14:THR:CG2	2.51	0.40
1:A5:514:GLY:HA2	1:A5:528:PRO:HB3	2.02	0.40
2:B5:64:LEU:HD12	2:B5:141:LEU:HD12	2.04	0.40
2:B5:504:LEU:HA	2:B5:507:ILE:HG22	2.04	0.40
2:B5:582:PHE:HZ	19:B5:1851:LMG:H341	1.86	0.40
14:B5:1812:CLA:O2A	14:B5:1812:CLA:H2A	2.21	0.40
14:B5:1832:CLA:HBC2	16:B5:1848:BCR:H402	2.03	0.40
3:C5:14:THR:O	18:C5:102:SF4:S1	2.80	0.40
3:C5:17:VAL:N	3:C5:25:LEU:HD12	2.36	0.40
6:F5:116:TRP:N	6:F5:117:PRO:CD	2.85	0.40
10:L5:66:GLY:HA2	14:L5:203:CLA:CAA	2.52	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 X-ray entries followed by that with respect to entries of similar resolution.

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	A1	736/755 (98%)	693 (94%)	35 (5%)	8 (1%)	14 52

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A2	736/755 (98%)	695 (94%)	33 (4%)	8 (1%)	14	52
1	A3	736/755 (98%)	695 (94%)	33 (4%)	8 (1%)	14	52
1	A4	736/755 (98%)	692 (94%)	35 (5%)	9 (1%)	13	50
1	A5	736/755 (98%)	695 (94%)	32 (4%)	9 (1%)	13	50
1	A6	736/755 (98%)	694 (94%)	33 (4%)	9 (1%)	13	50
2	B1	737/740 (100%)	687 (93%)	40 (5%)	10 (1%)	11	47
2	B2	737/740 (100%)	692 (94%)	35 (5%)	10 (1%)	11	47
2	B3	737/740 (100%)	695 (94%)	32 (4%)	10 (1%)	11	47
2	B4	737/740 (100%)	695 (94%)	33 (4%)	9 (1%)	13	50
2	B5	737/740 (100%)	691 (94%)	36 (5%)	10 (1%)	11	47
2	B6	737/740 (100%)	697 (95%)	30 (4%)	10 (1%)	11	47
3	C1	78/80 (98%)	72 (92%)	5 (6%)	1 (1%)	12	48
3	C2	78/80 (98%)	72 (92%)	5 (6%)	1 (1%)	12	48
3	C3	78/80 (98%)	71 (91%)	6 (8%)	1 (1%)	12	48
3	C4	78/80 (98%)	72 (92%)	5 (6%)	1 (1%)	12	48
3	C5	78/80 (98%)	64 (82%)	8 (10%)	6 (8%)	1	15
3	C6	78/80 (98%)	73 (94%)	4 (5%)	1 (1%)	12	48
4	D1	136/138 (99%)	124 (91%)	9 (7%)	3 (2%)	6	38
4	D2	136/138 (99%)	125 (92%)	8 (6%)	3 (2%)	6	38
4	D3	136/138 (99%)	126 (93%)	7 (5%)	3 (2%)	6	38
4	D4	136/138 (99%)	124 (91%)	9 (7%)	3 (2%)	6	38
4	D5	136/138 (99%)	123 (90%)	8 (6%)	5 (4%)	3	28
4	D6	136/138 (99%)	127 (93%)	6 (4%)	3 (2%)	6	38
5	E1	67/75 (89%)	56 (84%)	10 (15%)	1 (2%)	10	46
5	E2	67/75 (89%)	58 (87%)	6 (9%)	3 (4%)	2	25
5	E3	67/75 (89%)	60 (90%)	5 (8%)	2 (3%)	4	32
5	E4	67/75 (89%)	60 (90%)	5 (8%)	2 (3%)	4	32
5	E5	67/75 (89%)	56 (84%)	9 (13%)	2 (3%)	4	32
5	E6	67/75 (89%)	59 (88%)	6 (9%)	2 (3%)	4	32
6	F1	139/164 (85%)	127 (91%)	9 (6%)	3 (2%)	6	38
6	F2	139/164 (85%)	128 (92%)	8 (6%)	3 (2%)	6	38

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
6	F3	139/164 (85%)	127 (91%)	9 (6%)	3 (2%)	6	38
6	F4	139/164 (85%)	127 (91%)	9 (6%)	3 (2%)	6	38
6	F5	139/164 (85%)	126 (91%)	10 (7%)	3 (2%)	6	38
6	F6	139/164 (85%)	128 (92%)	9 (6%)	2 (1%)	11	47
7	I1	36/38 (95%)	33 (92%)	3 (8%)	0	100	100
7	I2	36/38 (95%)	35 (97%)	1 (3%)	0	100	100
7	I3	36/38 (95%)	35 (97%)	1 (3%)	0	100	100
7	I4	36/38 (95%)	35 (97%)	1 (3%)	0	100	100
7	I5	36/38 (95%)	25 (69%)	10 (28%)	1 (3%)	5	33
7	I6	36/38 (95%)	32 (89%)	4 (11%)	0	100	100
8	J1	39/41 (95%)	38 (97%)	1 (3%)	0	100	100
8	J2	39/41 (95%)	37 (95%)	2 (5%)	0	100	100
8	J3	39/41 (95%)	37 (95%)	2 (5%)	0	100	100
8	J4	39/41 (95%)	37 (95%)	2 (5%)	0	100	100
8	J5	39/41 (95%)	38 (97%)	1 (3%)	0	100	100
8	J6	39/41 (95%)	38 (97%)	1 (3%)	0	100	100
9	K1	40/83 (48%)	32 (80%)	5 (12%)	3 (8%)	1	16
9	K2	40/83 (48%)	32 (80%)	5 (12%)	3 (8%)	1	16
9	K3	40/83 (48%)	32 (80%)	5 (12%)	3 (8%)	1	16
9	K4	40/83 (48%)	32 (80%)	5 (12%)	3 (8%)	1	16
9	K5	40/83 (48%)	34 (85%)	2 (5%)	4 (10%)	0	10
9	K6	40/83 (48%)	31 (78%)	7 (18%)	2 (5%)	2	23
10	L1	149/154 (97%)	138 (93%)	9 (6%)	2 (1%)	12	48
10	L2	149/154 (97%)	138 (93%)	9 (6%)	2 (1%)	12	48
10	L3	149/154 (97%)	139 (93%)	8 (5%)	2 (1%)	12	48
10	L4	149/154 (97%)	140 (94%)	7 (5%)	2 (1%)	12	48
10	L5	149/154 (97%)	116 (78%)	29 (20%)	4 (3%)	5	34
10	L6	149/154 (97%)	137 (92%)	10 (7%)	2 (1%)	12	48
11	M1	29/31 (94%)	28 (97%)	0	1 (3%)	3	30
11	M2	29/31 (94%)	28 (97%)	0	1 (3%)	3	30
11	M3	29/31 (94%)	28 (97%)	0	1 (3%)	3	30

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
11	M4	29/31 (94%)	28 (97%)	0	1 (3%)	3	30
11	M5	29/31 (94%)	25 (86%)	3 (10%)	1 (3%)	3	30
11	M6	29/31 (94%)	28 (97%)	0	1 (3%)	3	30
12	X1	27/35 (77%)	23 (85%)	3 (11%)	1 (4%)	3	28
12	X2	27/35 (77%)	23 (85%)	3 (11%)	1 (4%)	3	28
12	X3	27/35 (77%)	22 (82%)	4 (15%)	1 (4%)	3	28
12	X4	27/35 (77%)	22 (82%)	4 (15%)	1 (4%)	3	28
12	X5	27/35 (77%)	26 (96%)	0	1 (4%)	3	28
12	X6	27/35 (77%)	23 (85%)	3 (11%)	1 (4%)	3	28
13	P1	95/97 (98%)	94 (99%)	1 (1%)	0	100	100
13	P2	95/97 (98%)	94 (99%)	1 (1%)	0	100	100
13	P3	95/97 (98%)	94 (99%)	1 (1%)	0	100	100
13	P4	95/97 (98%)	94 (99%)	1 (1%)	0	100	100
13	P5	95/97 (98%)	94 (99%)	1 (1%)	0	100	100
13	P6	95/97 (98%)	94 (99%)	1 (1%)	0	100	100
All	All	13848/14586 (95%)	12895 (93%)	738 (5%)	215 (2%)	9	45

All (215) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A1	115	GLN
1	A1	235	ASP
1	A1	260	PHE
1	A1	578	CYS
2	B1	234	GLN
2	B1	313	LYS
2	B1	314	VAL
2	B1	480	LEU
2	B1	497	ASN
3	C1	61	PHE
6	F1	91	SER
9	K1	41	PRO
9	K1	42	GLY
11	M1	30	TYR
12	X1	10	ALA
1	A2	115	GLN
1	A2	235	ASP

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
1	A2	260	PHE
2	B2	234	GLN
2	B2	313	LYS
2	B2	314	VAL
2	B2	480	LEU
2	B2	492	TRP
2	B2	497	ASN
2	B2	565	CYS
3	C2	62	LEU
6	F2	91	SER
9	K2	41	PRO
9	K2	42	GLY
11	M2	30	TYR
12	X2	10	ALA
1	A3	115	GLN
1	A3	235	ASP
1	A3	260	PHE
1	A3	578	CYS
2	B3	234	GLN
2	B3	313	LYS
2	B3	314	VAL
2	B3	480	LEU
2	B3	492	TRP
2	B3	497	ASN
3	C3	62	LEU
6	F3	91	SER
9	K3	41	PRO
9	K3	42	GLY
11	M3	30	TYR
12	X3	10	ALA
1	A4	115	GLN
1	A4	235	ASP
1	A4	260	PHE
1	A4	578	CYS
2	B4	234	GLN
2	B4	313	LYS
2	B4	314	VAL
2	B4	480	LEU
2	B4	492	TRP
2	B4	497	ASN
2	B4	565	CYS
3	C4	62	LEU

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
6	F4	91	SER
9	K4	41	PRO
9	K4	42	GLY
11	M4	30	TYR
12	X4	10	ALA
1	A6	115	GLN
1	A6	235	ASP
1	A6	260	PHE
2	B6	234	GLN
2	B6	313	LYS
2	B6	314	VAL
2	B6	480	LEU
2	B6	492	TRP
2	B6	497	ASN
2	B6	565	CYS
3	C6	62	LEU
9	K6	41	PRO
9	K6	42	GLY
11	M6	30	TYR
12	X6	10	ALA
1	A5	115	GLN
1	A5	235	ASP
1	A5	260	PHE
2	B5	234	GLN
2	B5	313	LYS
2	B5	314	VAL
2	B5	480	LEU
2	B5	492	TRP
2	B5	497	ASN
2	B5	565	CYS
3	C5	14	THR
3	C5	61	PHE
3	C5	62	LEU
5	E5	55	VAL
9	K5	41	PRO
9	K5	42	GLY
10	L5	38	ARG
11	M5	30	TYR
1	A1	121	VAL
1	A1	234	LYS
1	A1	261	PHE
2	B1	492	TRP

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
2	B1	510	GLY
6	F1	60	ALA
10	L1	106	SER
1	A2	121	VAL
1	A2	234	LYS
1	A2	261	PHE
1	A2	578	CYS
2	B2	510	GLY
4	D2	2	THR
6	F2	60	ALA
6	F2	89	ARG
1	A3	121	VAL
1	A3	234	LYS
1	A3	261	PHE
2	B3	510	GLY
2	B3	565	CYS
4	D3	2	THR
6	F3	60	ALA
6	F3	89	ARG
10	L3	104	GLY
10	L3	106	SER
1	A4	121	VAL
1	A4	234	LYS
1	A4	261	PHE
2	B4	510	GLY
4	D4	2	THR
6	F4	60	ALA
6	F4	89	ARG
10	L4	104	GLY
10	L4	106	SER
1	A6	121	VAL
1	A6	261	PHE
2	B6	510	GLY
4	D6	2	THR
6	F6	91	SER
10	L6	106	SER
1	A5	121	VAL
1	A5	261	PHE
1	A5	578	CYS
2	B5	510	GLY
3	C5	17	VAL
7	I5	5	TYR

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
9	K5	36	SER
10	L5	60	GLY
12	X5	10	ALA
2	B1	481	LEU
2	B1	565	CYS
6	F1	89	ARG
10	L1	104	GLY
4	D2	44	ALA
10	L2	104	GLY
10	L2	106	SER
2	B3	221	LEU
2	B3	481	LEU
4	D3	44	ALA
4	D4	44	ALA
1	A6	234	LYS
1	A6	578	CYS
4	D6	44	ALA
6	F6	89	ARG
10	L6	104	GLY
1	A5	234	LYS
4	D5	3	LEU
6	F5	89	ARG
1	A1	232	ALA
4	D1	2	THR
2	B2	481	LEU
4	D2	3	LEU
1	A3	232	ALA
4	D3	3	LEU
5	E3	25	SER
2	B4	481	LEU
4	D4	3	LEU
1	A6	232	ALA
2	B6	481	LEU
5	E6	25	SER
1	A5	232	ALA
2	B5	221	LEU
2	B5	481	LEU
3	C5	15	GLN
4	D5	2	THR
6	F5	91	SER
10	L5	117	TRP
2	B1	221	LEU

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Mol	Chain	Res	Type
5	E1	55	VAL
1	A2	232	ALA
2	B2	221	LEU
5	E2	25	SER
5	E2	53	SER
5	E2	55	VAL
5	E3	55	VAL
9	K3	56	LEU
1	A4	232	ALA
5	E4	55	VAL
2	B6	221	LEU
4	D6	3	LEU
5	E6	55	VAL
3	C5	40	SER
4	D5	44	ALA
4	D5	130	PHE
10	L5	16	HIS
5	E4	53	SER
9	K4	56	LEU
4	D1	8	PRO
9	K1	56	LEU
9	K2	56	LEU
1	A5	42	PRO
9	K5	76	GLY
4	D5	7	PRO
5	E5	54	GLY
1	A4	42	PRO
6	F5	113	GLY
4	D1	16	GLY
1	A6	42	PRO

### 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 X-ray entries followed by that with respect to entries of similar resolution.

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	A1	589/603 (98%)	572 (97%)	17 (3%)	42 64

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A2	589/603 (98%)	570 (97%)	19 (3%)	39	62
1	A3	589/603 (98%)	560 (95%)	29 (5%)	25	52
1	A4	589/603 (98%)	566 (96%)	23 (4%)	32	57
1	A5	589/603 (98%)	563 (96%)	26 (4%)	28	54
1	A6	589/603 (98%)	567 (96%)	22 (4%)	34	59
2	B1	595/597 (100%)	572 (96%)	23 (4%)	32	57
2	B2	595/597 (100%)	566 (95%)	29 (5%)	25	52
2	B3	595/597 (100%)	569 (96%)	26 (4%)	28	54
2	B4	595/597 (100%)	559 (94%)	36 (6%)	18	46
2	B5	595/597 (100%)	574 (96%)	21 (4%)	36	60
2	B6	595/597 (100%)	568 (96%)	27 (4%)	27	54
3	C1	67/67 (100%)	59 (88%)	8 (12%)	5	23
3	C2	67/67 (100%)	61 (91%)	6 (9%)	9	33
3	C3	67/67 (100%)	64 (96%)	3 (4%)	27	54
3	C4	67/67 (100%)	62 (92%)	5 (8%)	13	40
3	C5	67/67 (100%)	61 (91%)	6 (9%)	9	33
3	C6	67/67 (100%)	62 (92%)	5 (8%)	13	40
4	D1	115/115 (100%)	111 (96%)	4 (4%)	36	60
4	D2	115/115 (100%)	108 (94%)	7 (6%)	18	46
4	D3	115/115 (100%)	109 (95%)	6 (5%)	23	50
4	D4	115/115 (100%)	111 (96%)	4 (4%)	36	60
4	D5	115/115 (100%)	110 (96%)	5 (4%)	29	55
4	D6	115/115 (100%)	109 (95%)	6 (5%)	23	50
5	E1	59/64 (92%)	55 (93%)	4 (7%)	16	43
5	E2	59/64 (92%)	55 (93%)	4 (7%)	16	43
5	E3	59/64 (92%)	54 (92%)	5 (8%)	10	36
5	E4	59/64 (92%)	55 (93%)	4 (7%)	16	43
5	E5	59/64 (92%)	58 (98%)	1 (2%)	60	78
5	E6	59/64 (92%)	56 (95%)	3 (5%)	24	51
6	F1	109/128 (85%)	105 (96%)	4 (4%)	34	59
6	F2	109/128 (85%)	106 (97%)	3 (3%)	43	65

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
6	F3	109/128 (85%)	106 (97%)	3 (3%)	43	65
6	F4	109/128 (85%)	107 (98%)	2 (2%)	59	76
6	F5	109/128 (85%)	108 (99%)	1 (1%)	78	87
6	F6	109/128 (85%)	107 (98%)	2 (2%)	59	76
7	I1	32/32 (100%)	31 (97%)	1 (3%)	40	62
7	I2	32/32 (100%)	29 (91%)	3 (9%)	8	30
7	I3	32/32 (100%)	31 (97%)	1 (3%)	40	62
7	I4	32/32 (100%)	30 (94%)	2 (6%)	18	45
7	I5	32/32 (100%)	30 (94%)	2 (6%)	18	45
7	I6	32/32 (100%)	31 (97%)	1 (3%)	40	62
8	J1	36/36 (100%)	34 (94%)	2 (6%)	21	48
8	J2	36/36 (100%)	34 (94%)	2 (6%)	21	48
8	J3	36/36 (100%)	34 (94%)	2 (6%)	21	48
8	J4	36/36 (100%)	34 (94%)	2 (6%)	21	48
8	J5	36/36 (100%)	34 (94%)	2 (6%)	21	48
8	J6	36/36 (100%)	34 (94%)	2 (6%)	21	48
10	L1	117/119 (98%)	106 (91%)	11 (9%)	8	30
10	L2	117/119 (98%)	110 (94%)	7 (6%)	19	47
10	L3	117/119 (98%)	106 (91%)	11 (9%)	8	30
10	L4	117/119 (98%)	106 (91%)	11 (9%)	8	30
10	L5	117/119 (98%)	108 (92%)	9 (8%)	13	39
10	L6	117/119 (98%)	108 (92%)	9 (8%)	13	39
11	M1	26/26 (100%)	25 (96%)	1 (4%)	33	58
11	M2	26/26 (100%)	25 (96%)	1 (4%)	33	58
11	M3	26/26 (100%)	24 (92%)	2 (8%)	13	39
11	M4	26/26 (100%)	25 (96%)	1 (4%)	33	58
11	M5	26/26 (100%)	25 (96%)	1 (4%)	33	58
11	M6	26/26 (100%)	24 (92%)	2 (8%)	13	39
12	X1	20/24 (83%)	19 (95%)	1 (5%)	24	51
12	X2	20/24 (83%)	19 (95%)	1 (5%)	24	51
12	X3	20/24 (83%)	19 (95%)	1 (5%)	24	51

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
12	X4	20/24 (83%)	19 (95%)	1 (5%)	24	51
12	X5	20/24 (83%)	18 (90%)	2 (10%)	7	28
12	X6	20/24 (83%)	19 (95%)	1 (5%)	24	51
13	P1	85/85 (100%)	85 (100%)	0	100	100
13	P2	85/85 (100%)	85 (100%)	0	100	100
13	P3	85/85 (100%)	85 (100%)	0	100	100
13	P4	85/85 (100%)	85 (100%)	0	100	100
13	P5	85/85 (100%)	85 (100%)	0	100	100
13	P6	85/85 (100%)	85 (100%)	0	100	100
All	All	11100/11376 (98%)	10606 (96%)	494 (4%)	27	54

All (494) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A1	19	ASP
1	A1	61	HIS
1	A1	145	GLN
1	A1	147	TRP
1	A1	186	LYS
1	A1	204	LEU
1	A1	210	LEU
1	A1	281	PHE
1	A1	372	GLN
1	A1	466	ARG
1	A1	477	ASP
1	A1	518	VAL
1	A1	568	ASP
1	A1	587	CYS
1	A1	632	SER
1	A1	675	LEU
1	A1	713	VAL
2	B1	53	LEU
2	B1	61	SER
2	B1	110	ASN
2	B1	125	THR
2	B1	159	LYS
2	B1	171	GLU
2	B1	213	SER
2	B1	256	PHE

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
2	B1	318	PHE
2	B1	366	GLN
2	B1	411	LEU
2	B1	430	LEU
2	B1	446	VAL
2	B1	505	ASP
2	B1	525	VAL
2	B1	582	PHE
2	B1	589	MET
2	B1	596	VAL
2	B1	605	LEU
2	B1	632	LEU
2	B1	651	VAL
2	B1	701	ASP
2	B1	720	SER
3	C1	10	CYS
3	C1	15	GLN
3	C1	22	THR
3	C1	37	GLN
3	C1	48	VAL
3	C1	61	PHE
3	C1	63	SER
3	C1	65	ARG
4	D1	61	LYS
4	D1	73	ARG
4	D1	93	LEU
4	D1	105	VAL
5	E1	7	VAL
5	E1	25	SER
5	E1	59	ASN
5	E1	68	VAL
6	F1	1	ASP
6	F1	30	SER
6	F1	91	SER
6	F1	105	LEU
7	I1	10	LEU
8	J1	1	MET
8	J1	19	MET
10	L1	4	LEU
10	L1	22	SER
10	L1	23	ASP
10	L1	34	LEU

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
10	L1	48	LEU
10	L1	54	HIS
10	L1	69	ARG
10	L1	71	SER
10	L1	90	THR
10	L1	107	SER
10	L1	143	LEU
11	M1	17	LEU
12	X1	8	THR
1	A2	59	ASP
1	A2	145	GLN
1	A2	147	TRP
1	A2	172	MET
1	A2	186	LYS
1	A2	210	LEU
1	A2	224	ASN
1	A2	251	GLU
1	A2	281	PHE
1	A2	324	SER
1	A2	372	GLN
1	A2	477	ASP
1	A2	516	ASP
1	A2	578	CYS
1	A2	632	SER
1	A2	647	ASN
1	A2	652	ASP
1	A2	675	LEU
1	A2	713	VAL
2	B2	61	SER
2	B2	78	GLN
2	B2	97	LYS
2	B2	109	SER
2	B2	159	LYS
2	B2	209	ASP
2	B2	256	PHE
2	B2	308	ASP
2	B2	318	PHE
2	B2	411	LEU
2	B2	412	ASP
2	B2	430	LEU
2	B2	479	THR
2	B2	482	SER

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
2	B2	525	VAL
2	B2	538	LEU
2	B2	566	ASP
2	B2	575	ASP
2	B2	582	PHE
2	B2	589	MET
2	B2	605	LEU
2	B2	616	ASN
2	B2	621	TYR
2	B2	632	LEU
2	B2	646	THR
2	B2	648	ASN
2	B2	651	VAL
2	B2	698	ARG
2	B2	720	SER
3	C2	15	GLN
3	C2	18	ARG
3	C2	33	CYS
3	C2	45	GLU
3	C2	61	PHE
3	C2	65	ARG
4	D2	83	TYR
4	D2	93	LEU
4	D2	105	VAL
4	D2	117	ARG
4	D2	118	SER
4	D2	126	SER
4	D2	129	LYS
5	E2	7	VAL
5	E2	25	SER
5	E2	49	SER
5	E2	68	VAL
6	F2	1	ASP
6	F2	23	ASN
6	F2	24	THR
7	I2	4	SER
7	I2	8	SER
7	I2	10	LEU
8	J2	1	MET
8	J2	19	MET
10	L2	4	LEU
10	L2	48	LEU

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
10	L2	69	ARG
10	L2	85	LEU
10	L2	108	SER
10	L2	113	THR
10	L2	134	VAL
11	M2	17	LEU
12	X2	8	THR
1	A3	19	ASP
1	A3	59	ASP
1	A3	88	SER
1	A3	108	THR
1	A3	145	GLN
1	A3	147	TRP
1	A3	195	SER
1	A3	197	LEU
1	A3	204	LEU
1	A3	210	LEU
1	A3	221	LEU
1	A3	235	ASP
1	A3	251	GLU
1	A3	277	ASP
1	A3	281	PHE
1	A3	295	SER
1	A3	349	THR
1	A3	372	GLN
1	A3	390	GLN
1	A3	433	VAL
1	A3	438	ASP
1	A3	466	ARG
1	A3	492	ASN
1	A3	516	ASP
1	A3	518	VAL
1	A3	632	SER
1	A3	675	LEU
1	A3	691	PHE
1	A3	713	VAL
2	B3	34	ASP
2	B3	53	LEU
2	B3	61	SER
2	B3	78	GLN
2	B3	97	LYS
2	B3	159	LYS

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
2	B3	171	GLU
2	B3	182	PHE
2	B3	256	PHE
2	B3	308	ASP
2	B3	318	PHE
2	B3	396	PHE
2	B3	430	LEU
2	B3	446	VAL
2	B3	482	SER
2	B3	525	VAL
2	B3	550	SER
2	B3	582	PHE
2	B3	583	TYR
2	B3	589	MET
2	B3	611	ASN
2	B3	621	TYR
2	B3	632	LEU
2	B3	647	ASN
2	B3	648	ASN
2	B3	697	VAL
3	C3	15	GLN
3	C3	33	CYS
3	C3	40	SER
4	D3	70	GLN
4	D3	73	ARG
4	D3	88	ASP
4	D3	93	LEU
4	D3	126	SER
4	D3	129	LYS
5	E3	7	VAL
5	E3	18	ASN
5	E3	57	THR
5	E3	59	ASN
5	E3	68	VAL
6	F3	1	ASP
6	F3	24	THR
6	F3	64	LEU
7	I3	10	LEU
8	J3	1	MET
8	J3	19	MET
10	L3	4	LEU
10	L3	24	SER

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
10	L3	34	LEU
10	L3	42	SER
10	L3	44	ILE
10	L3	48	LEU
10	L3	69	ARG
10	L3	85	LEU
10	L3	134	VAL
10	L3	143	LEU
10	L3	149	MET
11	M3	6	THR
11	M3	17	LEU
12	X3	8	THR
1	A4	59	ASP
1	A4	63	SER
1	A4	145	GLN
1	A4	147	TRP
1	A4	186	LYS
1	A4	195	SER
1	A4	204	LEU
1	A4	210	LEU
1	A4	224	ASN
1	A4	235	ASP
1	A4	281	PHE
1	A4	372	GLN
1	A4	386	ASP
1	A4	435	ARG
1	A4	447	VAL
1	A4	466	ARG
1	A4	516	ASP
1	A4	566	ILE
1	A4	579	ASP
1	A4	675	LEU
1	A4	686	SER
1	A4	713	VAL
1	A4	742	THR
2	B4	53	LEU
2	B4	61	SER
2	B4	75	GLN
2	B4	78	GLN
2	B4	94	GLN
2	B4	97	LYS
2	B4	146	SER

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
2	B4	159	LYS
2	B4	171	GLU
2	B4	237	ASP
2	B4	256	PHE
2	B4	263	GLN
2	B4	271	ASP
2	B4	318	PHE
2	B4	327	GLU
2	B4	411	LEU
2	B4	412	ASP
2	B4	430	LEU
2	B4	444	ASP
2	B4	446	VAL
2	B4	482	SER
2	B4	485	ASP
2	B4	505	ASP
2	B4	525	VAL
2	B4	566	ASP
2	B4	574	CYS
2	B4	582	PHE
2	B4	596	VAL
2	B4	619	SER
2	B4	621	TYR
2	B4	632	LEU
2	B4	638	ILE
2	B4	648	ASN
2	B4	651	VAL
2	B4	685	VAL
2	B4	698	ARG
3	C4	10	CYS
3	C4	15	GLN
3	C4	31	ASP
3	C4	45	GLU
3	C4	61	PHE
4	D4	61	LYS
4	D4	73	ARG
4	D4	93	LEU
4	D4	117	ARG
5	E4	25	SER
5	E4	51	SER
5	E4	59	ASN
5	E4	68	VAL

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
6	F4	24	THR
6	F4	64	LEU
7	I4	10	LEU
7	I4	13	ILE
8	J4	1	MET
8	J4	19	MET
10	L4	4	LEU
10	L4	11	ASP
10	L4	34	LEU
10	L4	42	SER
10	L4	48	LEU
10	L4	69	ARG
10	L4	85	LEU
10	L4	93	LEU
10	L4	114	SER
10	L4	115	GLU
10	L4	134	VAL
11	M4	17	LEU
12	X4	8	THR
1	A6	50	ASN
1	A6	108	THR
1	A6	145	GLN
1	A6	147	TRP
1	A6	186	LYS
1	A6	195	SER
1	A6	204	LEU
1	A6	210	LEU
1	A6	235	ASP
1	A6	251	GLU
1	A6	253	TYR
1	A6	324	SER
1	A6	349	THR
1	A6	372	GLN
1	A6	433	VAL
1	A6	463	ASP
1	A6	466	ARG
1	A6	473	ASP
1	A6	516	ASP
1	A6	632	SER
1	A6	675	LEU
1	A6	713	VAL
2	B6	61	SER

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
2	B6	75	GLN
2	B6	78	GLN
2	B6	97	LYS
2	B6	113	ASP
2	B6	159	LYS
2	B6	165	SER
2	B6	171	GLU
2	B6	256	PHE
2	B6	263	GLN
2	B6	318	PHE
2	B6	411	LEU
2	B6	419	GLU
2	B6	430	LEU
2	B6	480	LEU
2	B6	482	SER
2	B6	525	VAL
2	B6	550	SER
2	B6	582	PHE
2	B6	583	TYR
2	B6	589	MET
2	B6	596	VAL
2	B6	632	LEU
2	B6	678	GLN
2	B6	698	ARG
2	B6	699	TRP
2	B6	720	SER
3	C6	15	GLN
3	C6	33	CYS
3	C6	40	SER
3	C6	53	CYS
3	C6	61	PHE
4	D6	23	THR
4	D6	61	LYS
4	D6	93	LEU
4	D6	105	VAL
4	D6	121	GLN
4	D6	129	LYS
5	E6	18	ASN
5	E6	57	THR
5	E6	59	ASN
6	F6	56	ARG
6	F6	133	ASP

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
7	I6	10	LEU
8	J6	1	MET
8	J6	19	MET
10	L6	4	LEU
10	L6	22	SER
10	L6	23	ASP
10	L6	33	ASN
10	L6	48	LEU
10	L6	61	PRO
10	L6	69	ARG
10	L6	85	LEU
10	L6	134	VAL
11	M6	17	LEU
11	M6	30	TYR
12	X6	8	THR
1	A5	17	ASP
1	A5	46	THR
1	A5	59	ASP
1	A5	104	LEU
1	A5	108	THR
1	A5	145	GLN
1	A5	147	TRP
1	A5	172	MET
1	A5	186	LYS
1	A5	210	LEU
1	A5	224	ASN
1	A5	251	GLU
1	A5	277	ASP
1	A5	281	PHE
1	A5	365	SER
1	A5	372	GLN
1	A5	466	ARG
1	A5	518	VAL
1	A5	535	ASP
1	A5	538	VAL
1	A5	578	CYS
1	A5	587	CYS
1	A5	652	ASP
1	A5	667	SER
1	A5	675	LEU
1	A5	713	VAL
2	B5	61	SER

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
2	B5	83	THR
2	B5	159	LYS
2	B5	165	SER
2	B5	171	GLU
2	B5	237	ASP
2	B5	256	PHE
2	B5	263	GLN
2	B5	318	PHE
2	B5	357	SER
2	B5	444	ASP
2	B5	446	VAL
2	B5	453	GLU
2	B5	525	VAL
2	B5	577	SER
2	B5	582	PHE
2	B5	589	MET
2	B5	592	THR
2	B5	596	VAL
2	B5	632	LEU
2	B5	651	VAL
3	C5	13	CYS
3	C5	16	CYS
3	C5	18	ARG
3	C5	22	THR
3	C5	61	PHE
3	C5	65	ARG
4	D5	33	SER
4	D5	73	ARG
4	D5	103	GLU
4	D5	105	VAL
4	D5	117	ARG
5	E5	18	ASN
6	F5	105	LEU
7	I5	8	SER
7	I5	10	LEU
8	J5	1	MET
8	J5	19	MET
10	L5	4	LEU
10	L5	22	SER
10	L5	41	LEU
10	L5	44	ILE
10	L5	48	LEU

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Mol	Chain	Res	Type
10	L5	69	ARG
10	L5	85	LEU
10	L5	107	SER
10	L5	114	SER
11	M5	17	LEU
12	X5	8	THR
12	X5	23	ASN

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (170) such sidechains are listed below:

Mol	Chain	Res	Type
1	A1	33	HIS
1	A1	145	GLN
1	A1	353	HIS
1	A1	359	ASN
1	A1	372	GLN
1	A1	390	GLN
1	A1	445	ASN
1	A1	588	GLN
1	A1	604	ASN
1	A1	647	ASN
1	A1	718	GLN
2	B1	136	GLN
2	B1	192	HIS
2	B1	261	HIS
2	B1	298	HIS
2	B1	334	HIS
2	B1	406	ASN
2	B1	494	ASN
2	B1	616	ASN
2	B1	639	ASN
2	B1	688	HIS
3	C1	37	GLN
4	D1	54	ASN
4	D1	70	GLN
4	D1	121	GLN
8	J1	39	HIS
10	L1	54	HIS
1	A2	61	HIS
1	A2	145	GLN
1	A2	353	HIS
1	A2	355	GLN

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
1	A2	359	ASN
1	A2	372	GLN
1	A2	445	ASN
1	A2	542	HIS
1	A2	571	ASN
1	A2	647	ASN
1	A2	718	GLN
2	B2	33	HIS
2	B2	136	GLN
2	B2	261	HIS
2	B2	263	GLN
2	B2	353	GLN
2	B2	406	ASN
2	B2	616	ASN
2	B2	633	ASN
2	B2	639	ASN
2	B2	678	GLN
3	C2	15	GLN
4	D2	70	GLN
4	D2	71	GLN
4	D2	121	GLN
5	E2	18	ASN
1	A3	33	HIS
1	A3	50	ASN
1	A3	145	GLN
1	A3	192	ASN
1	A3	224	ASN
1	A3	353	HIS
1	A3	359	ASN
1	A3	372	GLN
1	A3	390	GLN
1	A3	445	ASN
1	A3	481	GLN
1	A3	483	GLN
1	A3	488	GLN
1	A3	641	GLN
2	B3	261	HIS
2	B3	336	GLN
2	B3	340	HIS
2	B3	494	ASN
2	B3	616	ASN
2	B3	639	ASN

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
2	B3	647	ASN
2	B3	648	ASN
2	B3	678	GLN
2	B3	688	HIS
3	C3	37	GLN
4	D3	54	ASN
4	D3	127	GLN
5	E3	18	ASN
6	F3	40	GLN
6	F3	95	ASN
8	J3	39	HIS
10	L3	75	ASN
1	A4	33	HIS
1	A4	50	ASN
1	A4	145	GLN
1	A4	353	HIS
1	A4	359	ASN
1	A4	372	GLN
1	A4	445	ASN
1	A4	604	ASN
1	A4	718	GLN
2	B4	33	HIS
2	B4	78	GLN
2	B4	110	ASN
2	B4	241	HIS
2	B4	261	HIS
2	B4	263	GLN
2	B4	340	HIS
2	B4	353	GLN
2	B4	406	ASN
2	B4	591	ASN
2	B4	616	ASN
2	B4	633	ASN
2	B4	639	ASN
4	D4	54	ASN
4	D4	95	HIS
4	D4	127	GLN
5	E4	18	ASN
6	F4	95	ASN
8	J4	39	HIS
1	A6	61	HIS
1	A6	145	GLN

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>
1	A6	224	ASN
1	A6	353	HIS
1	A6	359	ASN
1	A6	372	GLN
1	A6	390	GLN
1	A6	445	ASN
1	A6	488	GLN
1	A6	718	GLN
2	B6	33	HIS
2	B6	261	HIS
2	B6	263	GLN
2	B6	336	GLN
2	B6	616	ASN
2	B6	678	GLN
2	B6	688	HIS
4	D6	54	ASN
4	D6	70	GLN
4	D6	121	GLN
4	D6	127	GLN
5	E6	18	ASN
6	F6	40	GLN
6	F6	50	HIS
10	L6	33	ASN
1	A5	145	GLN
1	A5	359	ASN
1	A5	390	GLN
1	A5	445	ASN
1	A5	539	HIS
1	A5	542	HIS
1	A5	604	ASN
1	A5	633	HIS
1	A5	718	GLN
2	B5	121	HIS
2	B5	261	HIS
2	B5	263	GLN
2	B5	340	HIS
2	B5	366	GLN
2	B5	494	ASN
2	B5	616	ASN
2	B5	639	ASN
2	B5	647	ASN
3	C5	15	GLN

*Continued on next page...*



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Mol	Chain	Res	Type
4	D5	54	ASN
4	D5	70	GLN
4	D5	71	GLN
4	D5	78	ASN
5	E5	18	ASN
6	F5	95	ASN
8	J5	39	HIS
12	X5	23	ASN
13	P1	92	GLN
13	P3	92	GLN
13	P4	92	GLN
13	P6	92	GLN
13	P5	92	GLN

### 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 monosaccharides in this entry.

### 5.6 Ligand geometry [i](#)

Of 774 ligands modelled in this entry, 6 are monoatomic - leaving 768 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$
16	BCR	L5	207	-	41,41,41	0.85	1 (2%)	56,56,56	1.47	12 (21%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	B4	806	-	54,62,73	1.35	8 (14%)	62,99,113	1.81	17 (27%)
14	CLA	B4	842	-	65,73,73	1.21	8 (12%)	76,113,113	1.60	16 (21%)
16	BCR	A6	1647	-	41,41,41	0.78	1 (2%)	56,56,56	1.37	9 (16%)
14	CLA	A3	830	-	65,73,73	1.33	12 (18%)	76,113,113	1.56	16 (21%)
14	CLA	B3	1843	-	65,73,73	1.12	6 (9%)	76,113,113	1.68	14 (18%)
14	CLA	L5	202	-	45,53,73	1.59	11 (24%)	52,89,113	1.90	14 (26%)
18	SF4	A2	1655	1,2	0,12,12	-	-	-	-	-
14	CLA	A3	834	-	65,73,73	1.18	7 (10%)	76,113,113	1.62	17 (22%)
14	CLA	A3	808	1	65,73,73	1.21	9 (13%)	76,113,113	1.63	17 (22%)
16	BCR	J2	102	-	41,41,41	0.84	1 (2%)	56,56,56	1.56	14 (25%)
14	CLA	A1	827	-	65,73,73	1.22	9 (13%)	76,113,113	1.53	16 (21%)
14	CLA	A1	802	-	65,73,73	1.21	8 (12%)	76,113,113	1.43	11 (14%)
14	CLA	L5	205	-	65,73,73	1.33	11 (16%)	76,113,113	1.62	14 (18%)
19	LMG	B1	850	-	55,55,55	0.86	3 (5%)	63,63,63	1.04	3 (4%)
16	BCR	I6	102	-	41,41,41	0.71	0	56,56,56	1.40	9 (16%)
14	CLA	A6	1627	-	65,73,73	1.27	8 (12%)	76,113,113	1.44	13 (17%)
14	CLA	A6	1615	-	45,53,73	1.53	13 (28%)	52,89,113	1.85	15 (28%)
14	CLA	B3	1821	-	65,73,73	1.27	11 (16%)	76,113,113	1.46	14 (18%)
14	CLA	B5	1821	-	65,73,73	1.30	12 (18%)	76,113,113	1.50	16 (21%)
14	CLA	F3	202	-	45,53,73	1.61	12 (26%)	52,89,113	1.70	13 (25%)
14	CLA	J5	101	8	45,53,73	1.61	13 (28%)	52,89,113	1.73	11 (21%)
14	CLA	A6	1601	-	45,53,73	1.58	11 (24%)	52,89,113	1.89	15 (28%)
14	CLA	B4	811	2	65,73,73	1.24	10 (15%)	76,113,113	1.59	20 (26%)
18	SF4	C5	102	3	0,12,12	-	-	-	-	-
14	CLA	B5	1837	-	45,53,73	1.60	12 (26%)	52,89,113	1.61	16 (30%)
14	CLA	A5	840	-	51,59,73	1.38	11 (21%)	59,96,113	1.77	15 (25%)
14	CLA	B4	823	-	45,53,73	1.61	12 (26%)	52,89,113	1.71	12 (23%)
14	CLA	A1	838	-	65,73,73	1.29	8 (12%)	76,113,113	1.75	20 (26%)
14	CLA	B5	1841	-	47,55,73	1.41	11 (23%)	54,91,113	1.87	16 (29%)
16	BCR	A3	850	-	41,41,41	0.96	1 (2%)	56,56,56	1.38	10 (17%)
14	CLA	A4	837	-	47,55,73	1.54	13 (27%)	54,91,113	1.83	15 (27%)
14	CLA	A3	807	-	51,59,73	1.42	10 (19%)	59,96,113	1.73	14 (23%)
21	FES	P3	101	13	0,4,4	-	-	-	-	-
14	CLA	I6	101	-	65,73,73	1.15	8 (12%)	76,113,113	1.51	10 (13%)
14	CLA	B1	822	-	45,53,73	1.58	11 (24%)	52,89,113	1.74	13 (25%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	A5	821	-	65,73,73	1.27	9 (13%)	76,113,113	1.49	15 (19%)
14	CLA	A2	1626	-	59,67,73	1.31	11 (18%)	68,105,113	1.55	15 (22%)
14	CLA	A2	1641	-	65,73,73	1.29	10 (15%)	76,113,113	1.49	14 (18%)
16	BCR	B5	1848	-	25,25,41	0.92	0	33,33,56	1.36	6 (18%)
16	BCR	J5	105	-	41,41,41	1.08	3 (7%)	56,56,56	1.39	8 (14%)
16	BCR	L5	201	-	41,41,41	1.04	2 (4%)	56,56,56	1.27	7 (12%)
14	CLA	A4	831	-	65,73,73	1.21	9 (13%)	76,113,113	1.64	17 (22%)
14	CLA	A5	817	-	54,62,73	1.44	9 (16%)	62,99,113	1.71	15 (24%)
14	CLA	B2	811	-	45,53,73	1.52	11 (24%)	52,89,113	1.80	14 (26%)
14	CLA	B4	805	-	65,73,73	1.38	14 (21%)	76,113,113	1.39	16 (21%)
14	CLA	B2	839	-	65,73,73	1.19	8 (12%)	76,113,113	1.53	15 (19%)
16	BCR	A6	1648	-	41,41,41	0.88	2 (4%)	56,56,56	1.72	17 (30%)
14	CLA	A2	1625	-	51,59,73	1.43	10 (19%)	59,96,113	1.75	14 (23%)
14	CLA	A5	803	-	65,73,73	1.21	9 (13%)	76,113,113	1.42	11 (14%)
14	CLA	X2	1701	12	45,53,73	1.65	13 (28%)	52,89,113	1.75	13 (25%)
16	BCR	A3	848	-	41,41,41	0.91	1 (2%)	56,56,56	1.40	8 (14%)
17	LHG	A1	849	14	26,26,48	1.63	5 (19%)	29,32,54	1.40	5 (17%)
14	CLA	B6	839	-	47,55,73	1.39	8 (17%)	54,91,113	1.86	17 (31%)
14	CLA	A4	835	-	51,59,73	1.38	10 (19%)	59,96,113	1.85	15 (25%)
14	CLA	A3	836	1	45,53,73	1.53	12 (26%)	52,89,113	1.85	15 (28%)
16	BCR	I5	102	-	41,41,41	0.76	0	56,56,56	1.42	12 (21%)
14	CLA	A2	1632	-	65,73,73	1.36	11 (16%)	76,113,113	1.55	14 (18%)
14	CLA	B1	808	-	65,73,73	1.20	7 (10%)	76,113,113	1.44	13 (17%)
14	CLA	B1	831	-	45,53,73	1.49	12 (26%)	52,89,113	1.66	9 (17%)
14	CLA	A4	808	1	65,73,73	1.27	10 (15%)	76,113,113	1.60	15 (19%)
14	CLA	A4	834	1	45,53,73	1.51	12 (26%)	52,89,113	1.84	17 (32%)
14	CLA	B5	1831	-	65,73,73	1.30	11 (16%)	76,113,113	1.62	16 (21%)
14	CLA	A2	1631	-	65,73,73	1.33	13 (20%)	76,113,113	1.55	14 (18%)
14	CLA	M2	1201	-	54,62,73	1.36	6 (11%)	62,99,113	1.82	21 (33%)
18	SF4	C6	102	3	0,12,12	-	-	-	-	-
14	CLA	B6	825	-	46,54,73	1.45	11 (23%)	53,90,113	1.85	15 (28%)
14	CLA	B2	821	-	55,63,73	1.49	14 (25%)	64,101,113	1.64	16 (25%)
14	CLA	A1	806	-	51,59,73	1.46	11 (21%)	59,96,113	1.77	15 (25%)
16	BCR	A5	846	-	41,41,41	0.91	1 (2%)	56,56,56	1.38	8 (14%)
16	BCR	I2	101	-	41,41,41	0.71	0	56,56,56	1.37	9 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	L6	208	-	65,73,73	1.33	14 (21%)	76,113,113	1.59	15 (19%)
16	BCR	A2	1651	-	41,41,41	0.78	1 (2%)	56,56,56	1.38	9 (16%)
14	CLA	B3	1803	-	65,73,73	1.32	14 (21%)	76,113,113	1.53	16 (21%)
17	LHG	B1	851	-	22,22,48	1.84	5 (22%)	25,28,54	1.08	1 (4%)
14	CLA	J1	102	-	38,45,73	1.67	11 (28%)	43,78,113	1.66	12 (27%)
14	CLA	A1	835	-	65,73,73	1.33	12 (18%)	76,113,113	1.50	13 (17%)
14	CLA	B2	823	2	54,62,73	1.54	13 (24%)	62,99,113	1.49	14 (22%)
15	PQN	A2	1646	-	34,34,34	2.29	7 (20%)	42,45,45	1.78	4 (9%)
17	LHG	X3	101	-	22,22,48	1.85	5 (22%)	25,28,54	1.07	1 (4%)
16	BCR	A5	845	-	41,41,41	1.00	2 (4%)	56,56,56	1.44	9 (16%)
14	CLA	B5	1823	-	45,53,73	1.61	11 (24%)	52,89,113	1.72	12 (23%)
14	CLA	A1	834	-	51,59,73	1.32	7 (13%)	59,96,113	1.80	16 (27%)
14	CLA	L4	204	-	65,73,73	1.30	11 (16%)	76,113,113	1.63	15 (19%)
14	CLA	B6	802	-	65,73,73	1.27	12 (18%)	76,113,113	1.46	16 (21%)
16	BCR	J2	103	-	41,41,41	0.90	2 (4%)	56,56,56	1.47	11 (19%)
14	CLA	X1	1701	-	45,53,73	1.62	12 (26%)	52,89,113	1.68	12 (23%)
16	BCR	J3	104	-	41,41,41	0.87	2 (4%)	56,56,56	1.47	12 (21%)
14	CLA	B1	825	-	54,62,73	1.55	11 (20%)	62,99,113	1.50	12 (19%)
15	PQN	A4	843	-	34,34,34	2.30	7 (20%)	42,45,45	1.78	4 (9%)
14	CLA	B1	807	-	65,73,73	1.20	10 (15%)	76,113,113	1.60	16 (21%)
14	CLA	B6	831	-	49,57,73	1.42	11 (22%)	55,93,113	1.67	15 (27%)
16	BCR	I1	103	-	41,41,41	0.87	1 (2%)	56,56,56	1.46	12 (21%)
14	CLA	J6	1103	-	38,45,73	1.66	11 (28%)	43,78,113	1.74	13 (30%)
16	BCR	A4	849	-	41,41,41	0.89	2 (4%)	56,56,56	1.70	17 (30%)
14	CLA	A6	1608	1	65,73,73	1.20	9 (13%)	76,113,113	1.64	16 (21%)
14	CLA	B2	801	-	65,73,73	1.28	13 (20%)	76,113,113	1.53	18 (23%)
16	BCR	B2	846	-	41,41,41	0.85	1 (2%)	56,56,56	1.42	12 (21%)
16	BCR	B6	845	-	41,41,41	0.93	2 (4%)	56,56,56	1.60	15 (26%)
14	CLA	A1	817	-	54,62,73	1.41	12 (22%)	62,99,113	1.66	15 (24%)
14	CLA	B1	840	-	47,55,73	1.43	11 (23%)	54,91,113	1.82	16 (29%)
14	CLA	A4	840	-	65,73,73	1.29	8 (12%)	76,113,113	1.75	20 (26%)
14	CLA	B6	840	-	65,73,73	1.22	8 (12%)	76,113,113	1.57	16 (21%)
14	CLA	A4	823	-	59,67,73	1.33	11 (18%)	68,105,113	1.56	13 (19%)
14	CLA	A5	837	-	65,73,73	1.33	12 (18%)	76,113,113	1.52	14 (18%)
16	BCR	B4	846	-	41,41,41	1.20	4 (9%)	56,56,56	1.65	13 (23%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
18	SF4	A3	855	-	0,12,12	-	-	-		
14	CLA	A4	802	-	65,73,73	1.21	8 (12%)	76,113,113	1.45	13 (17%)
19	LMG	B3	1850	-	55,55,55	0.86	3 (5%)	63,63,63	1.01	2 (3%)
17	LHG	A3	853	-	48,48,48	1.17	5 (10%)	51,54,54	1.01	3 (5%)
14	CLA	A6	1630	-	65,73,73	1.33	13 (20%)	76,113,113	1.57	14 (18%)
14	CLA	A4	816	-	54,62,73	1.45	10 (18%)	62,99,113	1.69	15 (24%)
14	CLA	A2	1608	-	65,73,73	1.29	9 (13%)	76,113,113	1.62	16 (21%)
14	CLA	A1	830	-	50,58,73	1.34	7 (14%)	58,95,113	1.72	16 (27%)
14	CLA	A2	1603	-	65,73,73	1.28	12 (18%)	76,113,113	1.47	16 (21%)
14	CLA	B5	1813	-	45,53,73	1.53	10 (22%)	52,89,113	1.74	14 (26%)
14	CLA	B2	822	-	45,53,73	1.54	12 (26%)	52,89,113	1.70	15 (28%)
14	CLA	B6	821	-	45,53,73	1.58	12 (26%)	52,89,113	1.75	13 (25%)
16	BCR	B6	847	-	41,41,41	0.86	1 (2%)	56,56,56	1.43	12 (21%)
14	CLA	A5	829	-	65,73,73	1.33	13 (20%)	76,113,113	1.57	13 (17%)
16	BCR	F2	203	-	41,41,41	0.88	0	56,56,56	1.38	10 (17%)
14	CLA	L1	207	-	65,73,73	1.34	14 (21%)	76,113,113	1.58	15 (19%)
14	CLA	A6	1633	-	65,73,73	1.19	6 (9%)	76,113,113	1.64	17 (22%)
14	CLA	A5	831	-	50,58,73	1.34	7 (14%)	58,95,113	1.74	15 (25%)
14	CLA	A1	815	-	49,57,73	1.46	11 (22%)	55,93,113	1.81	17 (30%)
14	CLA	A2	1610	1	65,73,73	1.21	9 (13%)	76,113,113	1.66	17 (22%)
14	CLA	L2	207	-	65,73,73	1.35	14 (21%)	76,113,113	1.60	14 (18%)
16	BCR	F3	201	-	41,41,41	0.76	1 (2%)	56,56,56	1.56	12 (21%)
14	CLA	M1	1201	-	54,62,73	1.36	9 (16%)	62,99,113	1.83	18 (29%)
16	BCR	A5	849	-	41,41,41	0.79	1 (2%)	56,56,56	1.35	8 (14%)
14	CLA	B4	817	-	45,53,73	1.50	9 (20%)	52,89,113	1.88	15 (28%)
17	LHG	A2	1653	-	48,48,48	1.21	5 (10%)	51,54,54	1.05	3 (5%)
21	FES	P6	101	13	0,4,4	-	-	-		
14	CLA	A5	838	-	47,55,73	1.55	11 (23%)	54,91,113	1.94	17 (31%)
14	CLA	A6	1604	14	59,67,73	1.30	9 (15%)	68,105,113	1.63	14 (20%)
14	CLA	B2	802	-	65,73,73	1.32	11 (16%)	76,113,113	1.60	17 (22%)
14	CLA	B2	825	-	65,73,73	1.29	10 (15%)	76,113,113	1.61	16 (21%)
14	CLA	B2	837	-	65,73,73	1.31	12 (18%)	76,113,113	1.48	13 (17%)
14	CLA	A5	842	-	65,73,73	1.15	6 (9%)	76,113,113	1.70	19 (25%)
14	CLA	B1	812	-	45,53,73	1.55	11 (24%)	52,89,113	1.79	14 (26%)
16	BCR	A4	847	-	41,41,41	0.98	1 (2%)	56,56,56	1.36	9 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
16	BCR	B6	844	-	41,41,41	1.20	4 (9%)	56,56,56	1.64	13 (23%)
14	CLA	B1	810	-	65,73,73	1.23	10 (15%)	76,113,113	1.65	19 (25%)
14	CLA	F1	1301	-	45,53,73	1.64	12 (26%)	52,89,113	1.73	13 (25%)
16	BCR	B2	844	-	41,41,41	0.93	1 (2%)	56,56,56	1.58	14 (25%)
16	BCR	J6	1104	-	41,41,41	0.81	0	56,56,56	1.56	14 (25%)
14	CLA	B6	816	-	55,63,73	1.47	13 (23%)	64,101,113	1.70	16 (25%)
14	CLA	A5	824	-	59,67,73	1.30	11 (18%)	68,105,113	1.56	15 (22%)
14	CLA	B5	1815	-	65,73,73	1.28	10 (15%)	76,113,113	1.47	14 (18%)
14	CLA	A4	805	-	65,73,73	1.31	10 (15%)	76,113,113	1.63	16 (21%)
14	CLA	B5	1835	-	58,66,73	1.41	12 (20%)	67,104,113	1.80	14 (20%)
14	CLA	B3	1830	-	65,73,73	1.39	12 (18%)	76,113,113	1.59	16 (21%)
14	CLA	B5	1830	-	65,73,73	1.36	12 (18%)	76,113,113	1.61	19 (25%)
14	CLA	B3	1814	-	45,53,73	1.54	11 (24%)	52,89,113	1.84	13 (25%)
14	CLA	B6	835	-	45,53,73	1.62	12 (26%)	52,89,113	1.66	15 (28%)
14	CLA	A6	1616	-	49,57,73	1.44	11 (22%)	55,93,113	1.81	18 (32%)
16	BCR	B2	845	-	25,25,41	0.91	0	33,33,56	1.34	7 (21%)
14	CLA	B4	818	-	55,63,73	1.48	13 (23%)	64,101,113	1.67	16 (25%)
16	BCR	L4	206	-	41,41,41	0.85	1 (2%)	56,56,56	1.46	12 (21%)
16	BCR	B4	847	-	41,41,41	0.95	1 (2%)	56,56,56	1.57	13 (23%)
14	CLA	B2	809	2	65,73,73	1.20	8 (12%)	76,113,113	1.58	18 (23%)
14	CLA	A6	1651	-	65,73,73	1.31	13 (20%)	76,113,113	1.62	16 (21%)
14	CLA	B5	1805	-	65,73,73	1.39	12 (18%)	76,113,113	1.43	15 (19%)
17	LHG	A6	1649	-	48,48,48	1.20	5 (10%)	51,54,54	1.05	3 (5%)
14	CLA	A3	804	14	59,67,73	1.30	9 (15%)	68,105,113	1.65	15 (22%)
14	CLA	A1	807	1	65,73,73	1.23	9 (13%)	76,113,113	1.63	18 (23%)
14	CLA	A5	823	-	51,59,73	1.44	10 (19%)	59,96,113	1.79	16 (27%)
14	CLA	B5	1804	-	65,73,73	1.34	12 (18%)	76,113,113	1.63	15 (19%)
16	BCR	J1	104	-	41,41,41	0.94	3 (7%)	56,56,56	1.47	11 (19%)
14	CLA	A3	818	-	54,62,73	1.40	10 (18%)	62,99,113	1.66	16 (25%)
14	CLA	B1	818	-	59,67,73	1.37	11 (18%)	68,105,113	1.60	17 (25%)
14	CLA	A4	806	-	51,59,73	1.46	11 (21%)	59,96,113	1.79	16 (27%)
14	CLA	J2	101	8	45,53,73	1.60	13 (28%)	52,89,113	1.67	13 (25%)
16	BCR	B2	847	-	41,41,41	0.78	0	56,56,56	1.30	7 (12%)
16	BCR	M4	101	-	41,41,41	0.83	0	56,56,56	1.47	13 (23%)
14	CLA	L4	201	-	65,73,73	1.18	7 (10%)	76,113,113	1.62	17 (22%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	K5	101	-	42,49,73	1.51	8 (19%)	48,83,113	1.64	11 (22%)
17	LHG	X5	102	-	22,22,48	1.65	5 (22%)	25,28,54	1.08	1 (4%)
14	CLA	B5	1822	-	47,55,73	1.50	11 (23%)	54,91,113	1.88	13 (24%)
14	CLA	A6	1625	-	65,73,73	1.30	11 (16%)	76,113,113	1.41	13 (17%)
14	CLA	A6	1641	-	42,49,73	1.46	8 (19%)	48,83,113	1.54	8 (16%)
14	CLA	A3	814	-	45,53,73	1.56	11 (24%)	52,89,113	1.71	15 (28%)
14	CLA	B2	819	-	47,55,73	1.47	10 (21%)	54,91,113	1.81	12 (22%)
14	CLA	B1	834	-	58,66,73	1.43	12 (20%)	67,104,113	1.75	13 (19%)
14	CLA	A2	1622	-	61,69,73	1.29	8 (13%)	71,108,113	1.61	11 (15%)
14	CLA	A2	1636	-	54,62,73	1.33	11 (20%)	62,99,113	1.71	17 (27%)
16	BCR	L2	208	-	41,41,41	0.86	1 (2%)	56,56,56	1.46	11 (19%)
16	BCR	J6	1105	-	41,41,41	0.87	1 (2%)	56,56,56	1.46	11 (19%)
14	CLA	F4	202	-	45,53,73	1.65	12 (26%)	52,89,113	1.63	13 (25%)
14	CLA	A3	833	-	65,73,73	1.17	7 (10%)	76,113,113	1.62	18 (23%)
14	CLA	B1	805	-	65,73,73	1.34	11 (16%)	76,113,113	1.57	15 (19%)
14	CLA	B6	830	-	45,53,73	1.49	11 (24%)	52,89,113	1.78	10 (19%)
14	CLA	A4	833	-	54,62,73	1.33	11 (20%)	62,99,113	1.73	16 (25%)
14	CLA	B6	827	-	65,73,73	1.36	10 (15%)	76,113,113	1.69	17 (22%)
14	CLA	A2	1643	-	65,73,73	1.28	8 (12%)	76,113,113	1.74	19 (25%)
14	CLA	B5	1825	-	45,53,73	1.59	12 (26%)	52,89,113	1.69	13 (25%)
16	BCR	F2	201	-	41,41,41	0.76	0	56,56,56	1.55	11 (19%)
14	CLA	A5	835	1	45,53,73	1.49	11 (24%)	52,89,113	1.88	17 (32%)
14	CLA	A1	801	-	65,73,73	1.25	8 (12%)	76,113,113	1.99	18 (23%)
14	CLA	B2	831	-	65,73,73	1.26	10 (15%)	76,113,113	1.57	14 (18%)
14	CLA	B6	823	-	45,53,73	1.57	12 (26%)	52,89,113	1.73	15 (28%)
16	BCR	F5	1302	-	41,41,41	0.85	0	56,56,56	1.39	11 (19%)
14	CLA	A5	812	-	54,62,73	1.39	11 (20%)	62,99,113	1.59	13 (20%)
14	CLA	A5	828	-	65,73,73	1.21	9 (13%)	76,113,113	1.51	16 (21%)
14	CLA	B3	1806	-	54,62,73	1.35	7 (12%)	62,99,113	1.80	16 (25%)
16	BCR	B4	845	-	41,41,41	1.17	3 (7%)	56,56,56	1.52	10 (17%)
16	BCR	I4	102	-	41,41,41	0.71	0	56,56,56	1.43	13 (23%)
14	CLA	A5	810	-	45,53,73	1.54	11 (24%)	52,89,113	1.89	15 (28%)
14	CLA	A4	824	-	65,73,73	1.33	11 (16%)	76,113,113	1.39	12 (15%)
16	BCR	B5	1849	-	41,41,41	0.88	1 (2%)	56,56,56	1.44	12 (21%)
14	CLA	A3	825	-	65,73,73	1.31	12 (18%)	76,113,113	1.42	13 (17%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
16	BCR	M5	101	-	41,41,41	0.87	1 (2%)	56,56,56	1.47	12 (21%)
14	CLA	A5	805	-	65,73,73	1.18	7 (10%)	76,113,113	1.54	15 (19%)
14	CLA	B6	838	-	65,73,73	1.33	12 (18%)	76,113,113	1.58	15 (19%)
14	CLA	A6	1610	-	45,53,73	1.54	11 (24%)	52,89,113	1.83	15 (28%)
17	LHG	A6	1650	14	26,26,48	1.61	5 (19%)	29,32,54	1.43	5 (17%)
14	CLA	B4	835	-	58,66,73	1.40	11 (18%)	67,104,113	1.75	15 (22%)
14	CLA	A1	820	-	65,73,73	1.28	9 (13%)	76,113,113	1.51	16 (21%)
18	SF4	C4	102	3	0,12,12	-	-	-	-	-
14	CLA	B1	824	-	45,53,73	1.58	11 (24%)	52,89,113	1.71	14 (26%)
14	CLA	B2	803	-	65,73,73	1.38	14 (21%)	76,113,113	1.39	15 (19%)
14	CLA	B5	1818	-	55,63,73	1.49	12 (21%)	64,101,113	1.73	17 (26%)
14	CLA	A6	1606	-	65,73,73	1.29	9 (13%)	76,113,113	1.62	17 (22%)
14	CLA	A3	816	-	49,57,73	1.44	11 (22%)	55,93,113	1.80	18 (32%)
14	CLA	A3	827	-	65,73,73	1.27	9 (13%)	76,113,113	1.44	13 (17%)
14	CLA	B2	812	-	65,73,73	1.30	10 (15%)	76,113,113	1.53	16 (21%)
14	CLA	B5	1827	-	46,54,73	1.50	13 (28%)	53,90,113	1.86	17 (32%)
14	CLA	A5	830	-	65,73,73	1.36	12 (18%)	76,113,113	1.52	14 (18%)
14	CLA	A3	811	14	65,73,73	1.22	9 (13%)	76,113,113	1.62	18 (23%)
14	CLA	B1	811	-	65,73,73	1.22	10 (15%)	76,113,113	1.57	17 (22%)
14	CLA	A4	811	-	54,62,73	1.42	11 (20%)	62,99,113	1.58	13 (20%)
14	CLA	B5	1812	2	65,73,73	1.22	9 (13%)	76,113,113	1.55	15 (19%)
14	CLA	B2	813	-	65,73,73	1.30	11 (16%)	76,113,113	1.53	15 (19%)
16	BCR	A3	856	-	41,41,41	0.74	0	56,56,56	1.28	8 (14%)
16	BCR	L6	204	-	41,41,41	0.76	0	56,56,56	1.43	13 (23%)
16	BCR	L3	206	-	41,41,41	0.86	1 (2%)	56,56,56	1.46	13 (23%)
14	CLA	B3	1842	-	65,73,73	1.21	8 (12%)	76,113,113	1.57	17 (22%)
14	CLA	B3	1813	-	45,53,73	1.51	11 (24%)	52,89,113	1.82	15 (28%)
16	BCR	L6	209	-	41,41,41	0.86	1 (2%)	56,56,56	1.45	11 (19%)
14	CLA	K5	102	-	45,53,73	1.54	13 (28%)	52,89,113	1.82	15 (28%)
14	CLA	B4	807	-	65,73,73	1.20	11 (16%)	76,113,113	1.55	16 (21%)
14	CLA	B4	843	-	65,73,73	1.13	7 (10%)	76,113,113	1.66	14 (18%)
15	PQN	B6	842	-	34,34,34	2.25	8 (23%)	42,45,45	1.56	5 (11%)
16	BCR	I3	101	-	41,41,41	0.72	0	56,56,56	1.39	9 (16%)
14	CLA	B2	815	-	55,63,73	1.46	12 (21%)	64,101,113	1.69	16 (25%)
14	CLA	A4	810	14	65,73,73	1.24	10 (15%)	76,113,113	1.60	19 (25%)



Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	A6	1603	-	65,73,73	1.21	9 (13%)	76,113,113	1.66	20 (26%)
14	CLA	A6	1612	-	54,62,73	1.39	11 (20%)	62,99,113	1.63	13 (20%)
14	CLA	B6	818	-	60,68,73	1.31	9 (15%)	70,107,113	1.73	16 (22%)
14	CLA	A2	1634	-	65,73,73	1.22	9 (13%)	76,113,113	1.66	15 (19%)
14	CLA	B3	1823	-	45,53,73	1.61	12 (26%)	52,89,113	1.76	13 (25%)
16	BCR	A2	1652	-	41,41,41	0.86	2 (4%)	56,56,56	1.70	16 (28%)
14	CLA	X6	1701	-	45,53,73	1.63	13 (28%)	52,89,113	1.73	13 (25%)
15	PQN	A5	844	-	34,34,34	2.29	7 (20%)	42,45,45	1.76	4 (9%)
18	SF4	C5	101	3	0,12,12	-	-	-	-	-
14	CLA	A6	1631	-	50,58,73	1.32	7 (14%)	58,95,113	1.69	15 (25%)
14	CLA	A2	1619	-	54,62,73	1.44	10 (18%)	62,99,113	1.65	15 (24%)
14	CLA	A3	817	-	54,62,73	1.43	9 (16%)	62,99,113	1.73	15 (24%)
14	CLA	A2	1604	-	65,73,73	1.21	8 (12%)	76,113,113	1.70	20 (26%)
14	CLA	A5	801	-	65,73,73	1.24	8 (12%)	76,113,113	2.00	17 (22%)
14	CLA	B4	815	-	65,73,73	1.28	10 (15%)	76,113,113	1.54	15 (19%)
14	CLA	B5	1819	-	59,67,73	1.32	10 (16%)	68,105,113	1.62	17 (25%)
14	CLA	A2	1607	-	65,73,73	1.18	8 (12%)	76,113,113	1.56	17 (22%)
14	CLA	A5	807	-	51,59,73	1.44	11 (21%)	59,96,113	1.79	15 (25%)
14	CLA	A4	836	-	65,73,73	1.32	13 (20%)	76,113,113	1.45	13 (17%)
14	CLA	B5	1839	-	60,68,73	1.32	10 (16%)	70,107,113	1.47	11 (15%)
16	BCR	B4	850	-	41,41,41	0.76	0	56,56,56	1.30	8 (14%)
14	CLA	A2	1623	-	65,73,73	1.24	9 (13%)	76,113,113	1.50	15 (19%)
15	PQN	A1	841	-	34,34,34	2.28	7 (20%)	42,45,45	1.76	4 (9%)
18	SF4	C2	101	3	0,12,12	-	-	-	-	-
16	BCR	F1	1302	-	41,41,41	0.89	1 (2%)	56,56,56	1.38	11 (19%)
16	BCR	I4	101	-	41,41,41	0.72	0	56,56,56	1.38	9 (16%)
14	CLA	L1	202	-	65,73,73	1.19	7 (10%)	76,113,113	1.64	16 (21%)
16	BCR	B4	848	-	25,25,41	0.92	0	33,33,56	1.33	6 (18%)
14	CLA	A5	808	1	65,73,73	1.19	9 (13%)	76,113,113	1.64	16 (21%)
14	CLA	L2	202	-	65,73,73	1.19	7 (10%)	76,113,113	1.57	16 (21%)
21	FES	P1	101	13	0,4,4	-	-	-	-	-
14	CLA	B1	821	-	47,55,73	1.49	11 (23%)	54,91,113	1.89	14 (25%)
14	CLA	B4	852	17	52,60,73	1.51	13 (25%)	60,97,113	1.73	17 (28%)
14	CLA	B2	808	2	65,73,73	1.23	10 (15%)	76,113,113	1.58	17 (22%)
16	BCR	B3	1846	-	41,41,41	1.20	4 (9%)	56,56,56	1.66	12 (21%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
16	BCR	B5	1846	-	41,41,41	1.19	4 (9%)	56,56,56	1.66	13 (23%)
14	CLA	B3	1831	-	65,73,73	1.27	11 (16%)	76,113,113	1.69	20 (26%)
16	BCR	F4	201	-	41,41,41	0.79	0	56,56,56	1.57	11 (19%)
16	BCR	B1	843	-	41,41,41	1.19	3 (7%)	56,56,56	1.51	10 (17%)
16	BCR	J5	104	-	41,41,41	0.92	1 (2%)	56,56,56	1.48	12 (21%)
14	CLA	B2	820	-	45,53,73	1.58	11 (24%)	52,89,113	1.71	13 (25%)
14	CLA	B3	1822	-	47,55,73	1.50	11 (23%)	54,91,113	1.83	12 (22%)
17	LHG	X4	101	-	22,22,48	1.68	5 (22%)	25,28,54	1.06	1 (4%)
14	CLA	A1	828	-	65,73,73	1.33	13 (20%)	76,113,113	1.52	16 (21%)
14	CLA	L3	203	-	65,73,73	1.36	11 (16%)	76,113,113	1.63	17 (22%)
14	CLA	A3	839	-	47,55,73	1.52	12 (25%)	54,91,113	1.83	15 (27%)
14	CLA	B4	829	-	65,73,73	1.32	10 (15%)	76,113,113	1.68	19 (25%)
14	CLA	F6	202	-	45,53,73	1.62	11 (24%)	52,89,113	1.73	14 (26%)
14	CLA	B2	836	-	60,68,73	1.31	9 (15%)	70,107,113	1.47	12 (17%)
14	CLA	B4	820	-	60,68,73	1.33	9 (15%)	70,107,113	1.69	17 (24%)
14	CLA	A1	805	-	65,73,73	1.33	9 (13%)	76,113,113	1.65	18 (23%)
14	CLA	B1	803	-	65,73,73	1.31	10 (15%)	76,113,113	1.51	14 (18%)
14	CLA	L4	203	-	65,73,73	1.36	10 (15%)	76,113,113	1.59	16 (21%)
16	BCR	A5	850	-	41,41,41	0.87	2 (4%)	56,56,56	1.70	16 (28%)
14	CLA	B5	1838	-	45,53,73	1.51	13 (28%)	52,89,113	1.72	13 (25%)
14	CLA	A3	821	-	65,73,73	1.25	7 (10%)	76,113,113	1.51	16 (21%)
14	CLA	B3	1825	-	45,53,73	1.58	12 (26%)	52,89,113	1.76	16 (30%)
14	CLA	B5	1817	-	45,53,73	1.53	10 (22%)	52,89,113	1.90	15 (28%)
19	LMG	B5	1851	-	55,55,55	0.84	3 (5%)	63,63,63	1.02	2 (3%)
14	CLA	A4	822	-	51,59,73	1.46	11 (21%)	59,96,113	1.74	14 (23%)
16	BCR	B1	846	-	25,25,41	0.92	0	33,33,56	1.34	6 (18%)
16	BCR	B6	843	-	41,41,41	1.16	3 (7%)	56,56,56	1.50	10 (17%)
14	CLA	B4	808	-	65,73,73	1.20	9 (13%)	76,113,113	1.48	13 (17%)
14	CLA	A6	1636	-	51,59,73	1.29	7 (13%)	59,96,113	1.89	17 (28%)
14	CLA	B4	837	-	45,53,73	1.59	11 (24%)	52,89,113	1.65	16 (30%)
14	CLA	B5	1811	2	65,73,73	1.21	10 (15%)	76,113,113	1.58	18 (23%)
16	BCR	B5	1845	-	41,41,41	1.15	3 (7%)	56,56,56	1.49	10 (17%)
14	CLA	A1	818	-	65,73,73	1.36	13 (20%)	76,113,113	1.58	16 (21%)
14	CLA	B4	819	-	59,67,73	1.35	10 (16%)	68,105,113	1.58	16 (23%)
14	CLA	A4	809	-	45,53,73	1.59	12 (26%)	52,89,113	1.84	15 (28%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	A1	824	-	65,73,73	1.32	12 (18%)	76,113,113	1.45	14 (18%)
14	CLA	A4	839	-	51,59,73	1.40	12 (23%)	59,96,113	1.73	15 (25%)
14	CLA	B5	1802	-	65,73,73	1.22	9 (13%)	76,113,113	1.66	19 (25%)
14	CLA	B4	826	2	54,62,73	1.58	13 (24%)	62,99,113	1.53	12 (19%)
14	CLA	A4	815	-	49,57,73	1.49	12 (24%)	55,93,113	1.78	18 (32%)
14	CLA	A1	832	-	54,62,73	1.33	11 (20%)	62,99,113	1.67	16 (25%)
14	CLA	A1	816	-	54,62,73	1.45	10 (18%)	62,99,113	1.73	15 (24%)
16	BCR	B3	1847	-	41,41,41	0.93	1 (2%)	56,56,56	1.60	13 (23%)
16	BCR	B5	1847	-	41,41,41	0.94	1 (2%)	56,56,56	1.59	14 (25%)
16	BCR	A5	853	-	41,41,41	0.75	0	56,56,56	1.28	7 (12%)
14	CLA	B5	1826	-	54,62,73	1.56	12 (22%)	62,99,113	1.53	12 (19%)
16	BCR	A6	1652	-	41,41,41	0.77	0	56,56,56	1.29	8 (14%)
14	CLA	A1	833	1	45,53,73	1.50	11 (24%)	52,89,113	1.79	15 (28%)
14	CLA	L5	204	10	65,73,73	1.36	9 (13%)	76,113,113	1.57	16 (21%)
16	BCR	M2	1202	-	41,41,41	0.86	1 (2%)	56,56,56	1.46	10 (17%)
14	CLA	B6	807	-	65,73,73	1.20	9 (13%)	76,113,113	1.45	13 (17%)
14	CLA	A4	819	-	61,69,73	1.31	8 (13%)	71,108,113	1.57	11 (15%)
14	CLA	B2	826	-	65,73,73	1.35	10 (15%)	76,113,113	1.70	17 (22%)
14	CLA	B3	1809	-	65,73,73	1.16	9 (13%)	76,113,113	1.53	15 (19%)
14	CLA	A4	828	-	65,73,73	1.34	13 (20%)	76,113,113	1.59	16 (21%)
14	CLA	B3	1824	-	55,63,73	1.51	13 (23%)	64,101,113	1.66	17 (26%)
17	LHG	A4	851	14	26,26,48	1.65	5 (19%)	29,32,54	1.37	5 (17%)
14	CLA	B1	837	-	45,53,73	1.53	12 (26%)	52,89,113	1.75	13 (25%)
17	LHG	B6	849	-	22,22,48	1.67	5 (22%)	25,28,54	1.06	1 (4%)
14	CLA	B3	1812	2	65,73,73	1.22	8 (12%)	76,113,113	1.64	17 (22%)
16	BCR	B6	846	-	25,25,41	0.92	0	33,33,56	1.34	7 (21%)
14	CLA	A3	822	-	49,57,73	1.51	12 (24%)	55,93,113	1.78	16 (29%)
14	CLA	B3	1801	17	52,60,73	1.52	13 (25%)	60,97,113	1.77	17 (28%)
14	CLA	B5	1806	-	54,62,73	1.35	8 (14%)	62,99,113	1.81	16 (25%)
14	CLA	A4	825	-	65,73,73	1.18	9 (13%)	76,113,113	1.65	17 (22%)
16	BCR	F6	201	-	41,41,41	0.75	0	56,56,56	1.55	12 (21%)
16	BCR	B1	849	-	41,41,41	0.78	0	56,56,56	1.27	8 (14%)
14	CLA	B5	1836	-	45,53,73	1.56	12 (26%)	52,89,113	1.74	12 (23%)
16	BCR	J4	104	-	41,41,41	0.93	2 (4%)	56,56,56	1.45	11 (19%)
16	BCR	L1	203	-	41,41,41	0.75	0	56,56,56	1.42	10 (17%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	A4	807	1	65,73,73	1.22	9 (13%)	76,113,113	1.67	17 (22%)
16	BCR	A6	1644	-	41,41,41	0.92	1 (2%)	56,56,56	1.37	8 (14%)
14	CLA	J4	102	-	38,45,73	1.69	11 (28%)	43,78,113	1.72	13 (30%)
14	CLA	A6	1634	-	54,62,73	1.33	10 (18%)	62,99,113	1.76	17 (27%)
14	CLA	B6	812	-	45,53,73	1.55	11 (24%)	52,89,113	1.79	15 (28%)
16	BCR	B2	842	-	41,41,41	1.14	3 (7%)	56,56,56	1.53	10 (17%)
14	CLA	A3	837	-	51,59,73	1.28	7 (13%)	59,96,113	1.86	15 (25%)
16	BCR	B3	1849	-	41,41,41	0.84	0	56,56,56	1.42	12 (21%)
14	CLA	B1	815	-	65,73,73	1.30	12 (18%)	76,113,113	1.54	12 (15%)
14	CLA	B4	841	-	47,55,73	1.41	10 (21%)	54,91,113	1.81	16 (29%)
16	BCR	B5	1850	-	41,41,41	0.78	0	56,56,56	1.56	12 (21%)
14	CLA	A3	843	-	65,73,73	1.15	5 (7%)	76,113,113	1.65	19 (25%)
14	CLA	A2	1639	-	65,73,73	1.31	12 (18%)	76,113,113	1.46	14 (18%)
14	CLA	B3	1807	-	65,73,73	1.18	9 (13%)	76,113,113	1.50	13 (17%)
14	CLA	B5	1807	-	65,73,73	1.19	8 (12%)	76,113,113	1.56	14 (18%)
14	CLA	A1	808	1	65,73,73	1.27	10 (15%)	76,113,113	1.57	16 (21%)
16	BCR	A3	849	-	41,41,41	1.06	2 (4%)	56,56,56	1.45	11 (19%)
14	CLA	A6	1629	-	65,73,73	1.32	13 (20%)	76,113,113	1.55	15 (19%)
16	BCR	A4	844	-	41,41,41	1.04	2 (4%)	56,56,56	1.44	9 (16%)
14	CLA	B4	813	-	45,53,73	1.55	11 (24%)	52,89,113	1.78	14 (26%)
16	BCR	A2	1650	-	41,41,41	0.99	1 (2%)	56,56,56	1.36	10 (17%)
14	CLA	A1	811	-	54,62,73	1.42	11 (20%)	62,99,113	1.62	13 (20%)
14	CLA	B1	828	-	65,73,73	1.33	10 (15%)	76,113,113	1.74	17 (22%)
14	CLA	B6	829	-	65,73,73	1.31	12 (18%)	76,113,113	1.67	20 (26%)
14	CLA	A3	842	-	65,73,73	1.28	8 (12%)	76,113,113	1.68	19 (25%)
14	CLA	A5	804	14	59,67,73	1.32	10 (16%)	68,105,113	1.65	14 (20%)
14	CLA	A2	1606	14	59,67,73	1.34	9 (15%)	68,105,113	1.71	16 (23%)
14	CLA	L4	205	-	65,73,73	1.34	13 (20%)	76,113,113	1.60	15 (19%)
14	CLA	A2	1630	-	65,73,73	1.20	8 (12%)	76,113,113	1.52	16 (21%)
14	CLA	A5	818	-	54,62,73	1.42	11 (20%)	62,99,113	1.64	14 (22%)
14	CLA	B2	804	-	65,73,73	1.18	9 (13%)	76,113,113	1.58	16 (21%)
14	CLA	A4	812	-	60,68,73	1.27	9 (15%)	70,107,113	1.60	16 (22%)
14	CLA	A6	1619	-	65,73,73	1.32	13 (20%)	76,113,113	1.62	18 (23%)
14	CLA	B5	1801	17	52,60,73	1.52	13 (25%)	60,97,113	1.78	16 (26%)
15	PQN	B1	842	-	34,34,34	2.25	8 (23%)	42,45,45	1.55	5 (11%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	B3	1827	-	46,54,73	1.47	11 (23%)	53,90,113	1.82	15 (28%)
16	BCR	I5	101	-	41,41,41	0.75	0	56,56,56	1.40	9 (16%)
14	CLA	A5	814	-	45,53,73	1.59	13 (28%)	52,89,113	1.69	15 (28%)
14	CLA	K1	1401	-	45,53,73	1.57	13 (28%)	52,89,113	1.85	15 (28%)
16	BCR	A6	1643	-	41,41,41	1.01	2 (4%)	56,56,56	1.44	9 (16%)
14	CLA	K6	1401	-	45,53,73	1.56	13 (28%)	52,89,113	1.81	16 (30%)
14	CLA	A3	812	-	54,62,73	1.39	11 (20%)	62,99,113	1.63	14 (22%)
14	CLA	B2	814	-	45,53,73	1.51	10 (22%)	52,89,113	1.91	15 (28%)
16	BCR	A5	847	-	41,41,41	1.05	2 (4%)	56,56,56	1.44	11 (19%)
14	CLA	A3	841	-	51,59,73	1.40	10 (19%)	59,96,113	1.76	15 (25%)
14	CLA	B6	833	-	58,66,73	1.39	11 (18%)	67,104,113	1.76	15 (22%)
14	CLA	J6	1102	8	45,53,73	1.58	13 (28%)	52,89,113	1.66	11 (21%)
14	CLA	A1	829	-	65,73,73	1.38	11 (16%)	76,113,113	1.55	15 (19%)
14	CLA	B5	1828	-	65,73,73	1.26	8 (12%)	76,113,113	1.52	16 (21%)
14	CLA	B6	824	2	54,62,73	1.53	13 (24%)	62,99,113	1.50	13 (20%)
14	CLA	A3	845	17	52,60,73	1.52	12 (23%)	60,97,113	1.76	17 (28%)
14	CLA	A3	813	-	60,68,73	1.26	8 (13%)	70,107,113	1.58	14 (20%)
18	SF4	A5	854	1	0,12,12	-	-	-	-	-
14	CLA	B4	828	-	65,73,73	1.26	8 (12%)	76,113,113	1.49	13 (17%)
14	CLA	B4	809	-	65,73,73	1.16	9 (13%)	76,113,113	1.53	14 (18%)
14	CLA	F5	1301	-	45,53,73	1.65	11 (24%)	52,89,113	1.69	13 (25%)
16	BCR	J3	103	-	41,41,41	0.84	0	56,56,56	1.57	14 (25%)
14	CLA	F2	202	-	45,53,73	1.66	12 (26%)	52,89,113	1.63	13 (25%)
14	CLA	A3	823	-	51,59,73	1.43	10 (19%)	59,96,113	1.76	14 (23%)
14	CLA	A5	820	-	61,69,73	1.29	8 (13%)	71,108,113	1.63	13 (18%)
14	CLA	B3	1810	-	65,73,73	1.24	11 (16%)	76,113,113	1.64	18 (23%)
16	BCR	B3	1845	-	41,41,41	1.17	3 (7%)	56,56,56	1.50	9 (16%)
14	CLA	B3	1811	2	65,73,73	1.20	10 (15%)	76,113,113	1.58	17 (22%)
14	CLA	A5	802	-	65,73,73	1.30	12 (18%)	76,113,113	1.44	16 (21%)
14	CLA	A5	825	-	65,73,73	1.33	12 (18%)	76,113,113	1.43	14 (18%)
14	CLA	B1	832	-	49,57,73	1.47	11 (22%)	55,93,113	1.68	14 (25%)
14	CLA	A3	831	-	50,58,73	1.30	7 (14%)	58,95,113	1.75	16 (27%)
14	CLA	B1	817	-	55,63,73	1.46	12 (21%)	64,101,113	1.74	16 (25%)
18	SF4	C6	101	3	0,12,12	-	-	-	-	-
14	CLA	A6	1609	-	65,73,73	1.24	10 (15%)	76,113,113	1.61	15 (19%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	B6	803	-	65,73,73	1.30	10 (15%)	76,113,113	1.47	13 (17%)
14	CLA	A3	809	1	65,73,73	1.26	10 (15%)	76,113,113	1.59	15 (19%)
14	CLA	B6	832	-	65,73,73	1.28	10 (15%)	76,113,113	1.55	14 (18%)
14	CLA	L3	205	-	65,73,73	1.33	13 (20%)	76,113,113	1.59	14 (18%)
14	CLA	B1	835	-	45,53,73	1.60	13 (28%)	52,89,113	1.74	14 (26%)
14	CLA	B5	1842	-	65,73,73	1.20	8 (12%)	76,113,113	1.57	16 (21%)
14	CLA	A1	826	-	65,73,73	1.31	10 (15%)	76,113,113	1.53	14 (18%)
14	CLA	A4	838	-	65,73,73	1.31	10 (15%)	76,113,113	1.49	13 (17%)
14	CLA	L1	201	-	65,73,73	1.24	9 (13%)	76,113,113	1.65	16 (21%)
14	CLA	A2	1611	-	65,73,73	1.25	10 (15%)	76,113,113	1.65	16 (21%)
18	SF4	C2	102	3	0,12,12	-	-	-	-	-
14	CLA	B3	1802	-	65,73,73	1.22	9 (13%)	76,113,113	1.68	19 (25%)
14	CLA	A2	1620	-	54,62,73	1.41	10 (18%)	62,99,113	1.65	15 (24%)
14	CLA	B3	1833	-	49,57,73	1.42	11 (22%)	55,93,113	1.66	13 (23%)
14	CLA	B3	1832	-	45,53,73	1.50	10 (22%)	52,89,113	1.75	13 (25%)
14	CLA	B3	1826	-	54,62,73	1.55	12 (22%)	62,99,113	1.53	12 (19%)
14	CLA	B5	1832	-	45,53,73	1.48	11 (24%)	52,89,113	1.71	10 (19%)
14	CLA	A5	816	-	49,57,73	1.44	12 (24%)	55,93,113	1.80	17 (30%)
14	CLA	B4	824	-	55,63,73	1.50	13 (23%)	64,101,113	1.67	16 (25%)
17	LHG	B2	849	-	22,22,48	1.84	5 (22%)	25,28,54	1.08	1 (4%)
14	CLA	A3	810	-	45,53,73	1.54	11 (24%)	52,89,113	1.82	16 (30%)
14	CLA	B3	1840	-	65,73,73	1.32	13 (20%)	76,113,113	1.46	12 (15%)
18	SF4	A4	852	1,2	0,12,12	-	-	-	-	-
14	CLA	A5	833	-	65,73,73	1.17	7 (10%)	76,113,113	1.63	19 (25%)
14	CLA	A3	805	-	65,73,73	1.17	7 (10%)	76,113,113	1.56	16 (21%)
14	CLA	A6	1623	-	51,59,73	1.45	11 (21%)	59,96,113	1.75	13 (22%)
14	CLA	A5	836	-	51,59,73	1.29	7 (13%)	59,96,113	1.82	18 (30%)
14	CLA	A4	813	-	45,53,73	1.65	12 (26%)	52,89,113	1.66	14 (26%)
16	BCR	A1	843	-	41,41,41	0.96	1 (2%)	56,56,56	1.40	9 (16%)
16	BCR	B3	1848	-	25,25,41	0.94	0	33,33,56	1.33	7 (21%)
14	CLA	X4	102	12	45,53,73	1.66	13 (28%)	52,89,113	1.78	14 (26%)
14	CLA	X3	102	12	45,53,73	1.61	13 (28%)	52,89,113	1.68	12 (23%)
14	CLA	B2	818	-	65,73,73	1.28	12 (18%)	76,113,113	1.50	14 (18%)
14	CLA	B6	804	-	65,73,73	1.29	14 (21%)	76,113,113	1.49	17 (22%)
21	FES	P5	101	13	0,4,4	-	-	-	-	-

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	B2	832	-	58,66,73	1.39	12 (20%)	67,104,113	1.73	15 (22%)
14	CLA	A4	841	-	65,73,73	1.16	7 (10%)	76,113,113	1.65	21 (27%)
14	CLA	A2	1629	-	65,73,73	1.27	8 (12%)	76,113,113	1.44	12 (15%)
14	CLA	B5	1833	-	49,57,73	1.43	10 (20%)	55,93,113	1.66	15 (27%)
14	CLA	B3	1835	-	58,66,73	1.38	12 (20%)	67,104,113	1.75	15 (22%)
14	CLA	B2	835	-	45,53,73	1.55	12 (26%)	52,89,113	1.78	13 (25%)
14	CLA	B4	833	-	49,57,73	1.43	11 (22%)	55,93,113	1.68	14 (25%)
14	CLA	B4	832	-	45,53,73	1.51	11 (24%)	52,89,113	1.76	12 (23%)
14	CLA	A6	1620	-	61,69,73	1.31	8 (13%)	71,108,113	1.59	11 (15%)
14	CLA	A2	1617	-	45,53,73	1.51	11 (24%)	52,89,113	1.90	16 (30%)
14	CLA	B1	813	-	45,53,73	1.57	11 (24%)	52,89,113	1.77	14 (26%)
14	CLA	F2	204	-	38,45,73	1.68	11 (28%)	43,78,113	1.66	12 (27%)
14	CLA	A2	1613	14	65,73,73	1.22	9 (13%)	76,113,113	1.57	17 (22%)
14	CLA	B1	830	-	65,73,73	1.31	12 (18%)	76,113,113	1.68	20 (26%)
16	BCR	L2	203	-	41,41,41	0.73	0	56,56,56	1.42	12 (21%)
17	LHG	A3	854	14	26,26,48	1.60	5 (19%)	29,32,54	1.41	5 (17%)
16	BCR	L3	201	-	41,41,41	1.03	2 (4%)	56,56,56	1.26	7 (12%)
14	CLA	A4	814	-	45,53,73	1.58	13 (28%)	52,89,113	1.93	17 (32%)
16	BCR	B6	850	-	41,41,41	1.05	2 (4%)	56,56,56	1.41	9 (16%)
14	CLA	B6	814	-	65,73,73	1.30	11 (16%)	76,113,113	1.62	15 (19%)
14	CLA	A4	842	-	42,49,73	1.51	9 (21%)	48,83,113	1.63	10 (20%)
14	CLA	A2	1602	-	65,73,73	1.25	8 (12%)	76,113,113	1.97	18 (23%)
14	CLA	B6	834	-	45,53,73	1.56	12 (26%)	52,89,113	1.79	15 (28%)
14	CLA	A6	1622	-	49,57,73	1.52	13 (26%)	55,93,113	1.75	14 (25%)
16	BCR	A6	1645	-	41,41,41	1.05	2 (4%)	56,56,56	1.47	11 (19%)
16	BCR	A1	845	-	41,41,41	0.99	1 (2%)	56,56,56	1.35	8 (14%)
14	CLA	B2	805	-	65,73,73	1.19	7 (10%)	76,113,113	1.45	13 (17%)
14	CLA	A1	831	-	65,73,73	1.20	7 (10%)	76,113,113	1.66	18 (23%)
16	BCR	L4	208	-	41,41,41	1.03	2 (4%)	56,56,56	1.32	7 (12%)
14	CLA	A1	809	-	45,53,73	1.58	12 (26%)	52,89,113	1.86	15 (28%)
14	CLA	B6	819	-	65,73,73	1.29	12 (18%)	76,113,113	1.45	15 (19%)
14	CLA	A5	806	-	65,73,73	1.29	9 (13%)	76,113,113	1.64	18 (23%)
14	CLA	B1	853	17	52,60,73	1.53	13 (25%)	60,97,113	1.81	16 (26%)
14	CLA	A6	1626	-	65,73,73	1.16	7 (10%)	76,113,113	1.63	15 (19%)
14	CLA	L5	206	-	65,73,73	1.34	14 (21%)	76,113,113	1.60	15 (19%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	L1	205	10	65,73,73	1.36	9 (13%)	76,113,113	1.60	16 (21%)
14	CLA	K4	1401	-	45,53,73	1.57	13 (28%)	52,89,113	1.83	17 (32%)
16	BCR	L2	201	-	41,41,41	1.04	2 (4%)	56,56,56	1.30	7 (12%)
14	CLA	B6	826	-	65,73,73	1.26	10 (15%)	76,113,113	1.49	15 (19%)
14	CLA	A2	1601	-	45,53,73	1.63	11 (24%)	52,89,113	1.89	15 (28%)
15	PQN	A6	1642	-	34,34,34	2.28	7 (20%)	42,45,45	1.75	4 (9%)
14	CLA	M3	1601	-	45,53,73	1.59	11 (24%)	52,89,113	1.92	14 (26%)
16	BCR	A1	847	-	41,41,41	0.92	2 (4%)	56,56,56	1.69	16 (28%)
14	CLA	L2	205	10	65,73,73	1.39	11 (16%)	76,113,113	1.60	17 (22%)
14	CLA	A2	1609	-	51,59,73	1.45	10 (19%)	59,96,113	1.80	15 (25%)
14	CLA	B2	827	-	65,73,73	1.38	11 (16%)	76,113,113	1.61	16 (21%)
14	CLA	B1	820	-	65,73,73	1.31	12 (18%)	76,113,113	1.50	14 (18%)
14	CLA	A2	1638	-	51,59,73	1.32	8 (15%)	59,96,113	1.84	16 (27%)
14	CLA	B4	804	-	65,73,73	1.33	12 (18%)	76,113,113	1.62	15 (19%)
14	CLA	B3	1816	-	65,73,73	1.29	11 (16%)	76,113,113	1.57	16 (21%)
14	CLA	A5	834	-	54,62,73	1.34	11 (20%)	62,99,113	1.72	17 (27%)
14	CLA	B5	1816	-	65,73,73	1.31	11 (16%)	76,113,113	1.60	15 (19%)
18	SF4	C3	102	3	0,12,12	-	-	-	-	-
14	CLA	A6	1607	-	51,59,73	1.45	10 (19%)	59,96,113	1.77	14 (23%)
14	CLA	B6	820	-	47,55,73	1.49	11 (23%)	54,91,113	1.79	12 (22%)
16	BCR	M6	1202	-	41,41,41	0.86	1 (2%)	56,56,56	1.47	11 (19%)
14	CLA	A3	832	-	65,73,73	1.20	8 (12%)	76,113,113	1.66	15 (19%)
14	CLA	B1	841	-	65,73,73	1.14	8 (12%)	76,113,113	1.71	15 (19%)
14	CLA	B4	834	-	65,73,73	1.27	10 (15%)	76,113,113	1.52	14 (18%)
14	CLA	A1	819	-	61,69,73	1.33	9 (14%)	71,108,113	1.65	12 (16%)
14	CLA	B5	1834	-	65,73,73	1.27	10 (15%)	76,113,113	1.58	17 (22%)
14	CLA	B6	809	-	65,73,73	1.22	10 (15%)	76,113,113	1.57	16 (21%)
14	CLA	B4	814	-	45,53,73	1.55	11 (24%)	52,89,113	1.79	13 (25%)
14	CLA	A1	825	-	65,73,73	1.17	8 (12%)	76,113,113	1.61	14 (18%)
14	CLA	A1	837	-	51,59,73	1.42	11 (21%)	59,96,113	1.75	15 (25%)
14	CLA	B1	823	-	55,63,73	1.50	12 (21%)	64,101,113	1.61	17 (26%)
14	CLA	A2	1621	-	65,73,73	1.32	13 (20%)	76,113,113	1.57	16 (21%)
16	BCR	I3	102	-	41,41,41	0.73	0	56,56,56	1.44	11 (19%)
14	CLA	B3	1836	-	45,53,73	1.56	12 (26%)	52,89,113	1.72	11 (21%)
19	LMG	B6	848	-	55,55,55	0.86	3 (5%)	63,63,63	1.02	3 (4%)



Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
16	BCR	A1	844	-	41,41,41	1.08	2 (4%)	56,56,56	1.46	12 (21%)
14	CLA	A1	804	-	65,73,73	1.20	8 (12%)	76,113,113	1.54	12 (15%)
14	CLA	B4	810	-	65,73,73	1.23	11 (16%)	76,113,113	1.63	18 (23%)
14	CLA	B6	836	-	45,53,73	1.55	12 (26%)	52,89,113	1.76	14 (26%)
16	BCR	A2	1648	-	41,41,41	0.93	1 (2%)	56,56,56	1.39	9 (16%)
16	BCR	F3	203	-	41,41,41	0.88	1 (2%)	56,56,56	1.39	10 (17%)
14	CLA	B2	817	-	60,68,73	1.31	10 (16%)	70,107,113	1.70	16 (22%)
14	CLA	A1	840	-	42,49,73	1.51	8 (19%)	48,83,113	1.56	10 (20%)
16	BCR	A4	845	-	41,41,41	0.95	1 (2%)	56,56,56	1.41	9 (16%)
19	LMG	B4	851	-	55,55,55	0.85	3 (5%)	63,63,63	1.03	3 (4%)
14	CLA	B1	801	-	65,73,73	1.32	13 (20%)	76,113,113	1.51	16 (21%)
14	CLA	B2	807	-	65,73,73	1.25	11 (16%)	76,113,113	1.64	14 (18%)
14	CLA	A4	801	-	65,73,73	1.28	8 (12%)	76,113,113	2.02	18 (23%)
14	CLA	B3	1839	-	60,68,73	1.29	9 (15%)	70,107,113	1.41	9 (12%)
14	CLA	A5	826	-	65,73,73	1.17	7 (10%)	76,113,113	1.65	14 (18%)
14	CLA	A5	815	-	45,53,73	1.56	12 (26%)	52,89,113	1.92	17 (32%)
14	CLA	B2	830	-	49,57,73	1.43	11 (22%)	55,93,113	1.68	15 (27%)
14	CLA	B4	802	-	65,73,73	1.24	8 (12%)	76,113,113	1.68	20 (26%)
14	CLA	B4	825	-	45,53,73	1.56	11 (24%)	52,89,113	1.75	14 (26%)
14	CLA	B3	1838	-	45,53,73	1.51	12 (26%)	52,89,113	1.76	15 (28%)
14	CLA	B5	1814	-	45,53,73	1.53	11 (24%)	52,89,113	1.80	12 (23%)
14	CLA	A4	821	-	49,57,73	1.53	12 (24%)	55,93,113	1.76	17 (30%)
14	CLA	B4	821	-	65,73,73	1.30	12 (18%)	76,113,113	1.45	14 (18%)
16	BCR	M1	1202	-	41,41,41	0.89	1 (2%)	56,56,56	1.46	10 (17%)
14	CLA	A2	1628	-	65,73,73	1.18	8 (12%)	76,113,113	1.60	15 (19%)
14	CLA	X5	101	12	45,53,73	1.61	13 (28%)	52,89,113	1.72	13 (25%)
14	CLA	A5	811	14	65,73,73	1.23	11 (16%)	76,113,113	1.58	16 (21%)
14	CLA	A1	812	-	60,68,73	1.29	9 (15%)	70,107,113	1.58	13 (18%)
14	CLA	B2	806	-	65,73,73	1.13	8 (12%)	76,113,113	1.50	12 (15%)
14	CLA	A2	1637	1	45,53,73	1.49	11 (24%)	52,89,113	1.80	16 (30%)
14	CLA	A1	810	14	65,73,73	1.25	10 (15%)	76,113,113	1.61	17 (22%)
14	CLA	B6	806	-	65,73,73	1.19	11 (16%)	76,113,113	1.56	13 (17%)
14	CLA	A3	803	-	65,73,73	1.17	8 (12%)	76,113,113	1.47	13 (17%)
14	CLA	B4	836	-	45,53,73	1.56	12 (26%)	52,89,113	1.78	13 (25%)
14	CLA	B2	810	-	45,53,73	1.51	10 (22%)	52,89,113	1.79	14 (26%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	A3	829	-	65,73,73	1.32	13 (20%)	76,113,113	1.53	14 (18%)
14	CLA	L6	206	10	65,73,73	1.38	11 (16%)	76,113,113	1.56	17 (22%)
14	CLA	B2	834	-	45,53,73	1.61	11 (24%)	52,89,113	1.65	14 (26%)
14	CLA	A2	1642	-	51,59,73	1.39	11 (21%)	59,96,113	1.82	16 (27%)
14	CLA	A6	1611	14	65,73,73	1.22	9 (13%)	76,113,113	1.58	16 (21%)
14	CLA	L3	202	-	45,53,73	1.58	11 (24%)	52,89,113	1.85	12 (23%)
16	BCR	B2	850	-	41,41,41	1.05	2 (4%)	56,56,56	1.38	9 (16%)
14	CLA	A5	822	-	49,57,73	1.51	13 (26%)	55,93,113	1.81	16 (29%)
16	BCR	B1	845	-	41,41,41	0.96	3 (7%)	56,56,56	1.56	13 (23%)
14	CLA	B6	837	-	60,68,73	1.30	9 (15%)	70,107,113	1.45	13 (18%)
19	LMG	B2	848	-	55,55,55	0.85	3 (5%)	63,63,63	1.03	3 (4%)
14	CLA	B3	1834	-	65,73,73	1.28	10 (15%)	76,113,113	1.53	14 (18%)
21	FES	P4	101	13	0,4,4	-	-	-	-	-
14	CLA	A3	840	-	65,73,73	1.29	10 (15%)	76,113,113	1.47	14 (18%)
14	CLA	A2	1635	-	65,73,73	1.18	7 (10%)	76,113,113	1.66	17 (22%)
14	CLA	L6	203	-	65,73,73	1.14	5 (7%)	76,113,113	1.67	20 (26%)
16	BCR	B2	843	-	41,41,41	1.19	3 (7%)	56,56,56	1.63	11 (19%)
16	BCR	A4	846	-	41,41,41	1.09	2 (4%)	56,56,56	1.45	13 (23%)
16	BCR	A5	848	-	41,41,41	0.97	1 (2%)	56,56,56	1.35	10 (17%)
14	CLA	A5	819	-	65,73,73	1.31	13 (20%)	76,113,113	1.63	18 (23%)
16	BCR	F4	204	-	41,41,41	1.07	2 (4%)	56,56,56	1.41	9 (16%)
14	CLA	B1	814	-	65,73,73	1.32	11 (16%)	76,113,113	1.47	14 (18%)
14	CLA	B5	1824	-	55,63,73	1.52	13 (23%)	64,101,113	1.67	19 (29%)
14	CLA	B6	813	-	65,73,73	1.30	11 (16%)	76,113,113	1.52	15 (19%)
14	CLA	J6	1101	-	65,73,73	1.18	8 (12%)	76,113,113	1.45	11 (14%)
16	BCR	A3	847	-	41,41,41	1.00	2 (4%)	56,56,56	1.44	9 (16%)
16	BCR	A2	1647	-	41,41,41	1.01	2 (4%)	56,56,56	1.43	9 (16%)
14	CLA	B2	829	-	45,53,73	1.48	11 (24%)	52,89,113	1.76	11 (21%)
14	CLA	A2	1633	-	50,58,73	1.34	7 (14%)	58,95,113	1.77	16 (27%)
14	CLA	B4	822	-	47,55,73	1.49	10 (21%)	54,91,113	1.81	12 (22%)
16	BCR	J1	103	-	41,41,41	0.87	1 (2%)	56,56,56	1.57	14 (25%)
14	CLA	A2	1624	-	49,57,73	1.52	13 (26%)	55,93,113	1.76	16 (29%)
16	BCR	F4	203	-	41,41,41	0.92	1 (2%)	56,56,56	1.39	10 (17%)
14	CLA	A5	843	17	52,60,73	1.51	12 (23%)	60,97,113	1.77	17 (28%)
14	CLA	A6	1617	-	54,62,73	1.42	9 (16%)	62,99,113	1.74	15 (24%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
18	SF4	C1	101	3	0,12,12	-	-	-	-	-
14	CLA	A2	1612	-	45,53,73	1.54	11 (24%)	52,89,113	1.85	15 (28%)
14	CLA	A6	1613	-	60,68,73	1.27	10 (16%)	70,107,113	1.55	14 (20%)
14	CLA	A6	1635	1	45,53,73	1.51	11 (24%)	52,89,113	1.83	13 (25%)
14	CLA	B3	1837	-	45,53,73	1.58	10 (22%)	52,89,113	1.61	15 (28%)
14	CLA	B3	1805	-	65,73,73	1.40	14 (21%)	76,113,113	1.43	16 (21%)
14	CLA	A6	1602	-	65,73,73	1.24	7 (10%)	76,113,113	1.96	19 (25%)
14	CLA	B3	1815	-	65,73,73	1.29	11 (16%)	76,113,113	1.55	16 (21%)
14	CLA	B6	808	-	65,73,73	1.26	11 (16%)	76,113,113	1.68	18 (23%)
15	PQN	B3	1844	-	34,34,34	2.26	8 (23%)	42,45,45	1.55	5 (11%)
17	LHG	A5	851	-	48,48,48	1.22	5 (10%)	51,54,54	1.06	3 (5%)
14	CLA	B1	802	-	65,73,73	1.22	8 (12%)	76,113,113	1.68	19 (25%)
14	CLA	A6	1632	-	65,73,73	1.17	7 (10%)	76,113,113	1.59	16 (21%)
17	LHG	A1	848	-	48,48,48	1.23	5 (10%)	51,54,54	1.04	3 (5%)
14	CLA	B6	815	-	45,53,73	1.51	9 (20%)	52,89,113	1.92	14 (26%)
14	CLA	A4	820	-	65,73,73	1.26	9 (13%)	76,113,113	1.52	15 (19%)
14	CLA	B1	816	-	45,53,73	1.51	10 (22%)	52,89,113	1.88	14 (26%)
14	CLA	J3	102	-	38,45,73	1.68	11 (28%)	43,78,113	1.76	13 (30%)
14	CLA	A1	813	-	45,53,73	1.65	14 (31%)	52,89,113	1.67	14 (26%)
16	BCR	B1	844	-	41,41,41	1.21	5 (12%)	56,56,56	1.67	14 (25%)
14	CLA	L1	206	-	65,73,73	1.33	12 (18%)	76,113,113	1.65	13 (17%)
14	CLA	A2	1616	-	45,53,73	1.60	12 (26%)	52,89,113	1.70	16 (30%)
14	CLA	B1	804	-	65,73,73	1.31	14 (21%)	76,113,113	1.51	15 (19%)
14	CLA	A3	838	-	65,73,73	1.29	11 (16%)	76,113,113	1.49	16 (21%)
18	SF4	C3	101	-	0,12,12	-	-	-	-	-
14	CLA	B3	1804	-	65,73,73	1.31	12 (18%)	76,113,113	1.63	15 (19%)
16	BCR	A2	1649	-	41,41,41	1.06	2 (4%)	56,56,56	1.45	12 (21%)
14	CLA	I1	101	-	65,73,73	1.21	8 (12%)	76,113,113	1.56	18 (23%)
14	CLA	A2	1605	-	65,73,73	1.19	9 (13%)	76,113,113	1.43	12 (15%)
14	CLA	A6	1638	-	47,55,73	1.52	11 (23%)	54,91,113	1.88	17 (31%)
18	SF4	B6	801	2	0,12,12	-	-	-	-	-
14	CLA	A2	1640	-	47,55,73	1.53	11 (23%)	54,91,113	1.81	15 (27%)
14	CLA	B6	805	-	65,73,73	1.37	14 (21%)	76,113,113	1.41	16 (21%)
17	LHG	A2	1654	14	26,26,48	1.61	5 (19%)	29,32,54	1.36	5 (17%)
14	CLA	A2	1645	-	42,49,73	1.47	8 (19%)	48,83,113	1.56	10 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
15	PQN	A3	846	-	34,34,34	2.29	7 (20%)	42,45,45	1.75	4 (9%)
14	CLA	B2	840	-	65,73,73	1.13	7 (10%)	76,113,113	1.69	14 (18%)
16	BCR	L6	201	-	41,41,41	1.04	2 (4%)	56,56,56	1.29	6 (10%)
16	BCR	B1	847	-	41,41,41	0.86	0	56,56,56	1.41	13 (23%)
14	CLA	L6	207	-	65,73,73	1.32	10 (15%)	76,113,113	1.58	14 (18%)
14	CLA	B5	1840	-	65,73,73	1.32	11 (16%)	76,113,113	1.53	15 (19%)
14	CLA	B5	1803	-	65,73,73	1.32	14 (21%)	76,113,113	1.50	17 (22%)
21	FES	P2	101	13	0,4,4	-	-	-	-	-
14	CLA	B4	830	-	65,73,73	1.38	12 (18%)	76,113,113	1.62	19 (25%)
14	CLA	A3	828	-	65,73,73	1.20	8 (12%)	76,113,113	1.55	16 (21%)
14	CLA	B6	822	-	55,63,73	1.50	12 (21%)	64,101,113	1.69	18 (28%)
14	CLA	A3	824	-	59,67,73	1.31	10 (16%)	68,105,113	1.58	14 (20%)
14	CLA	A2	1614	-	54,62,73	1.41	11 (20%)	62,99,113	1.61	13 (20%)
14	CLA	B2	838	-	47,55,73	1.41	10 (21%)	54,91,113	1.80	15 (27%)
14	CLA	L3	204	-	65,73,73	1.32	11 (16%)	76,113,113	1.64	15 (19%)
14	CLA	A6	1621	-	65,73,73	1.25	8 (12%)	76,113,113	1.51	15 (19%)
14	CLA	L6	202	-	65,73,73	1.21	9 (13%)	76,113,113	1.60	15 (19%)
14	CLA	B1	819	-	60,68,73	1.32	10 (16%)	70,107,113	1.72	17 (24%)
14	CLA	B4	816	-	65,73,73	1.30	11 (16%)	76,113,113	1.56	13 (17%)
16	BCR	A4	848	-	41,41,41	0.82	1 (2%)	56,56,56	1.37	9 (16%)
14	CLA	A1	839	-	65,73,73	1.15	7 (10%)	76,113,113	1.63	18 (23%)
14	CLA	A5	809	-	65,73,73	1.25	10 (15%)	76,113,113	1.62	17 (22%)
14	CLA	A4	804	-	65,73,73	1.21	8 (12%)	76,113,113	1.62	15 (19%)
14	CLA	A2	1627	-	65,73,73	1.34	12 (18%)	76,113,113	1.45	13 (17%)
14	CLA	B4	831	-	65,73,73	1.30	12 (18%)	76,113,113	1.70	21 (27%)
14	CLA	A4	827	-	65,73,73	1.23	9 (13%)	76,113,113	1.53	15 (19%)
16	BCR	A6	1646	-	41,41,41	0.99	1 (2%)	56,56,56	1.35	10 (17%)
14	CLA	B1	829	-	65,73,73	1.39	13 (20%)	76,113,113	1.61	16 (21%)
16	BCR	B4	849	-	41,41,41	0.87	1 (2%)	56,56,56	1.43	12 (21%)
14	CLA	B4	839	-	60,68,73	1.31	9 (15%)	70,107,113	1.45	11 (15%)
14	CLA	A3	826	-	65,73,73	1.17	8 (12%)	76,113,113	1.63	17 (22%)
14	CLA	B4	840	-	65,73,73	1.33	12 (18%)	76,113,113	1.50	14 (18%)
14	CLA	K2	1401	-	45,53,73	1.56	13 (28%)	52,89,113	1.83	16 (30%)
14	CLA	B3	1841	-	47,55,73	1.40	8 (17%)	54,91,113	1.79	14 (25%)
14	CLA	B5	1808	-	65,73,73	1.19	8 (12%)	76,113,113	1.49	14 (18%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	A6	1640	-	65,73,73	1.26	8 (12%)	76,113,113	1.67	19 (25%)
14	CLA	A5	841	-	65,73,73	1.28	8 (12%)	76,113,113	1.75	19 (25%)
15	PQN	B5	1844	-	34,34,34	2.24	7 (20%)	42,45,45	1.58	5 (11%)
14	CLA	A1	836	-	47,55,73	1.57	12 (25%)	54,91,113	1.84	15 (27%)
14	CLA	A3	802	-	65,73,73	1.27	11 (16%)	76,113,113	1.46	15 (19%)
14	CLA	B2	828	-	65,73,73	1.29	11 (16%)	76,113,113	1.69	19 (25%)
14	CLA	A1	823	-	59,67,73	1.32	11 (18%)	68,105,113	1.54	15 (22%)
14	CLA	A4	829	-	65,73,73	1.38	13 (20%)	76,113,113	1.56	14 (18%)
14	CLA	A6	1614	-	45,53,73	1.61	14 (31%)	52,89,113	1.70	16 (30%)
16	BCR	J4	103	-	41,41,41	0.88	2 (4%)	56,56,56	1.56	14 (25%)
14	CLA	B1	838	-	60,68,73	1.33	9 (15%)	70,107,113	1.45	11 (15%)
14	CLA	A4	818	-	65,73,73	1.35	15 (23%)	76,113,113	1.57	16 (21%)
14	CLA	B3	1818	-	55,63,73	1.48	13 (23%)	64,101,113	1.67	16 (25%)
16	BCR	M3	1602	-	41,41,41	0.86	1 (2%)	56,56,56	1.46	12 (21%)
14	CLA	B6	828	-	65,73,73	1.41	12 (18%)	76,113,113	1.61	17 (22%)
18	SF4	A1	850	-	0,12,12	-	-	-	-	-
14	CLA	B4	803	-	65,73,73	1.30	14 (21%)	76,113,113	1.57	18 (23%)
14	CLA	A6	1637	-	65,73,73	1.32	11 (16%)	76,113,113	1.48	15 (19%)
14	CLA	L5	203	-	65,73,73	1.18	7 (10%)	76,113,113	1.63	16 (21%)
14	CLA	B4	812	2	65,73,73	1.19	8 (12%)	76,113,113	1.56	15 (19%)
14	CLA	B1	833	-	65,73,73	1.30	10 (15%)	76,113,113	1.64	16 (21%)
14	CLA	A5	827	-	65,73,73	1.28	9 (13%)	76,113,113	1.47	11 (14%)
14	CLA	B5	1810	-	65,73,73	1.23	11 (16%)	76,113,113	1.63	17 (22%)
14	CLA	A4	832	-	65,73,73	1.18	7 (10%)	76,113,113	1.58	17 (22%)
14	CLA	A4	803	14	59,67,73	1.34	10 (16%)	68,105,113	1.62	16 (23%)
17	LHG	A4	850	-	48,48,48	1.21	5 (10%)	51,54,54	1.05	3 (5%)
14	CLA	B4	827	-	46,54,73	1.48	13 (28%)	53,90,113	1.90	15 (28%)
14	CLA	A2	1618	-	49,57,73	1.47	11 (22%)	55,93,113	1.81	17 (30%)
16	BCR	B1	852	-	41,41,41	1.08	3 (7%)	56,56,56	1.37	8 (14%)
14	CLA	L2	206	-	65,73,73	1.31	11 (16%)	76,113,113	1.67	16 (21%)
14	CLA	B5	1809	-	65,73,73	1.17	9 (13%)	76,113,113	1.54	14 (18%)
18	SF4	C4	101	3	0,12,12	-	-	-	-	-
14	CLA	B5	1843	-	65,73,73	1.13	7 (10%)	76,113,113	1.72	15 (19%)
14	CLA	A1	821	-	49,57,73	1.52	12 (24%)	55,93,113	1.79	15 (27%)
14	CLA	A3	801	-	65,73,73	1.25	7 (10%)	76,113,113	2.02	18 (23%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	J3	101	8	45,53,73	1.58	13 (28%)	52,89,113	1.67	12 (23%)
15	PQN	B2	841	-	34,34,34	2.24	8 (23%)	42,45,45	1.58	5 (11%)
14	CLA	A1	803	14	59,67,73	1.35	10 (16%)	68,105,113	1.71	17 (25%)
14	CLA	B3	1817	-	45,53,73	1.50	9 (20%)	52,89,113	1.89	14 (26%)
14	CLA	B1	854	2	65,73,73	1.21	9 (13%)	76,113,113	1.56	16 (21%)
16	BCR	J5	103	-	41,41,41	0.83	0	56,56,56	1.58	14 (25%)
14	CLA	A1	822	-	51,59,73	1.44	10 (19%)	59,96,113	1.75	15 (25%)
16	BCR	I1	102	-	41,41,41	0.73	0	56,56,56	1.39	7 (12%)
14	CLA	A3	819	-	65,73,73	1.32	13 (20%)	76,113,113	1.59	17 (22%)
14	CLA	B2	816	-	59,67,73	1.32	11 (18%)	68,105,113	1.58	16 (23%)
14	CLA	J1	101	8	45,53,73	1.63	13 (28%)	52,89,113	1.59	10 (19%)
14	CLA	A2	1644	-	65,73,73	1.16	7 (10%)	76,113,113	1.64	19 (25%)
14	CLA	A4	826	-	65,73,73	1.28	9 (13%)	76,113,113	1.45	14 (18%)
14	CLA	B2	833	-	45,53,73	1.57	12 (26%)	52,89,113	1.79	15 (28%)
14	CLA	J5	102	-	38,45,73	1.65	10 (26%)	43,78,113	1.68	12 (27%)
14	CLA	A3	844	-	42,49,73	1.45	8 (19%)	48,83,113	1.49	6 (12%)
14	CLA	B3	1808	-	65,73,73	1.22	7 (10%)	76,113,113	1.54	16 (21%)
14	CLA	B3	1819	-	59,67,73	1.33	10 (16%)	68,105,113	1.64	16 (23%)
15	PQN	B4	844	-	34,34,34	2.24	7 (20%)	42,45,45	1.57	5 (11%)
14	CLA	B4	801	-	65,73,73	1.30	12 (18%)	76,113,113	1.47	15 (19%)
14	CLA	A3	820	-	61,69,73	1.29	8 (13%)	71,108,113	1.61	13 (18%)
14	CLA	B6	817	-	59,67,73	1.32	11 (18%)	68,105,113	1.58	17 (25%)
14	CLA	A6	1624	-	59,67,73	1.31	11 (18%)	68,105,113	1.59	15 (22%)
18	SF4	C1	102	3	0,12,12	-	-	-	-	-
14	CLA	B1	827	-	65,73,73	1.28	10 (15%)	76,113,113	1.54	18 (23%)
14	CLA	A1	814	-	45,53,73	1.56	12 (26%)	52,89,113	1.88	15 (28%)
14	CLA	A3	806	-	65,73,73	1.30	10 (15%)	76,113,113	1.58	16 (21%)
14	CLA	B6	810	2	65,73,73	1.17	7 (10%)	76,113,113	1.56	16 (21%)
14	CLA	B1	806	-	65,73,73	1.40	13 (20%)	76,113,113	1.43	17 (22%)
14	CLA	A5	813	-	60,68,73	1.27	9 (15%)	70,107,113	1.56	12 (17%)
14	CLA	B1	809	-	65,73,73	1.15	8 (12%)	76,113,113	1.53	14 (18%)
14	CLA	A6	1628	-	65,73,73	1.20	8 (12%)	76,113,113	1.55	16 (21%)
14	CLA	A4	830	-	50,58,73	1.34	7 (14%)	58,95,113	1.75	16 (27%)
14	CLA	B1	839	-	65,73,73	1.32	12 (18%)	76,113,113	1.50	13 (17%)
14	CLA	B6	811	-	45,53,73	1.54	11 (24%)	52,89,113	1.80	15 (28%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z  > 2	Counts	RMSZ	# Z  > 2
14	CLA	A6	1618	-	54,62,73	1.41	11 (20%)	62,99,113	1.63	15 (24%)
14	CLA	A3	835	-	54,62,73	1.34	11 (20%)	62,99,113	1.73	16 (25%)
16	BCR	A1	846	-	41,41,41	0.81	1 (2%)	56,56,56	1.36	9 (16%)
14	CLA	B3	1820	-	60,68,73	1.32	9 (15%)	70,107,113	1.74	17 (24%)
14	CLA	B5	1820	-	60,68,73	1.31	9 (15%)	70,107,113	1.73	17 (24%)
14	CLA	B3	1828	-	65,73,73	1.27	9 (13%)	76,113,113	1.52	14 (18%)
14	CLA	A3	815	-	45,53,73	1.52	12 (26%)	52,89,113	1.86	16 (30%)
14	CLA	B6	841	-	65,73,73	1.13	7 (10%)	76,113,113	1.69	14 (18%)
14	CLA	B3	1829	-	65,73,73	1.33	10 (15%)	76,113,113	1.69	16 (21%)
14	CLA	B5	1829	-	65,73,73	1.31	10 (15%)	76,113,113	1.69	18 (23%)
16	BCR	A1	842	-	41,41,41	1.05	2 (4%)	56,56,56	1.43	9 (16%)
16	BCR	F6	203	-	41,41,41	0.88	0	56,56,56	1.39	10 (17%)
14	CLA	A4	817	-	54,62,73	1.42	10 (18%)	62,99,113	1.64	16 (25%)
14	CLA	A6	1639	-	51,59,73	1.37	10 (19%)	59,96,113	1.81	15 (25%)
14	CLA	A2	1615	-	60,68,73	1.27	10 (16%)	70,107,113	1.64	16 (22%)
14	CLA	B2	824	-	46,54,73	1.43	10 (21%)	53,90,113	1.82	15 (28%)
14	CLA	A4	853	-	45,53,73	1.59	11 (24%)	52,89,113	1.85	13 (25%)
14	CLA	A5	839	-	65,73,73	1.31	10 (15%)	76,113,113	1.48	13 (17%)
16	BCR	A3	851	-	41,41,41	0.77	1 (2%)	56,56,56	1.38	9 (16%)
16	BCR	L1	209	-	41,41,41	1.07	2 (4%)	56,56,56	1.31	8 (14%)
14	CLA	A6	1605	-	65,73,73	1.18	8 (12%)	76,113,113	1.55	14 (18%)
14	CLA	M6	1201	-	54,62,73	1.35	7 (12%)	62,99,113	1.75	16 (25%)
14	CLA	B1	826	-	46,54,73	1.45	12 (26%)	53,90,113	1.79	14 (26%)
17	LHG	A5	852	14	26,26,48	1.62	5 (19%)	29,32,54	1.41	5 (17%)
14	CLA	K3	1401	-	45,53,73	1.55	12 (26%)	52,89,113	1.82	15 (28%)
16	BCR	B1	848	-	41,41,41	0.77	1 (2%)	56,56,56	1.55	12 (21%)
16	BCR	A3	852	-	41,41,41	0.86	2 (4%)	56,56,56	1.70	17 (30%)
14	CLA	J4	101	8	45,53,73	1.64	13 (28%)	52,89,113	1.86	14 (26%)
14	CLA	A5	832	-	65,73,73	1.22	9 (13%)	76,113,113	1.65	15 (19%)
14	CLA	B1	836	-	45,53,73	1.61	13 (28%)	52,89,113	1.60	14 (26%)
16	BCR	B3	1851	-	41,41,41	1.06	3 (7%)	56,56,56	1.41	9 (16%)
14	CLA	B4	838	-	45,53,73	1.53	12 (26%)	52,89,113	1.77	14 (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
16	BCR	L5	207	-	-	0/29/63/63	0/2/2/2
14	CLA	B4	806	-	-	4/24/102/115	-
14	CLA	B4	842	-	-	2/37/115/115	-
16	BCR	A6	1647	-	-	2/29/63/63	0/2/2/2
14	CLA	A3	830	-	-	8/37/115/115	-
14	CLA	B3	1843	-	-	9/37/115/115	-
14	CLA	L5	202	-	-	9/13/91/115	-
18	SF4	A2	1655	1,2	-	-	0/6/5/5
14	CLA	A3	834	-	-	7/37/115/115	-
14	CLA	A3	808	1	-	16/37/115/115	-
16	BCR	J2	102	-	-	2/29/63/63	0/2/2/2
14	CLA	A1	827	-	-	8/37/115/115	-
14	CLA	A1	802	-	1/1/15/20	5/37/115/115	-
14	CLA	L5	205	-	-	7/37/115/115	-
19	LMG	B1	850	-	-	8/50/70/70	0/1/1/1
16	BCR	I6	102	-	-	0/29/63/63	0/2/2/2
14	CLA	A6	1627	-	1/1/15/20	9/37/115/115	-
14	CLA	A6	1615	-	-	5/13/91/115	-
14	CLA	B3	1821	-	-	4/37/115/115	-
14	CLA	B5	1821	-	-	4/37/115/115	-
14	CLA	F3	202	-	-	4/13/91/115	-
14	CLA	J5	101	8	1/1/11/20	11/13/91/115	-
14	CLA	A6	1601	-	-	9/13/91/115	-
14	CLA	B4	811	2	-	11/37/115/115	-
18	SF4	C5	102	3	-	-	0/6/5/5
14	CLA	B5	1837	-	-	2/13/91/115	-
14	CLA	A5	840	-	-	8/21/99/115	-
14	CLA	B4	823	-	-	5/13/91/115	-
14	CLA	A1	838	-	-	8/37/115/115	-
14	CLA	B5	1841	-	-	4/16/94/115	-
16	BCR	A3	850	-	-	2/29/63/63	0/2/2/2
14	CLA	A4	837	-	-	5/16/94/115	-
14	CLA	A3	807	-	-	6/21/99/115	-
21	FES	P3	101	13	-	-	0/1/1/1

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	I6	101	-	-	3/37/115/115	-
14	CLA	B1	822	-	-	5/13/91/115	-
14	CLA	A5	821	-	-	5/37/115/115	-
14	CLA	A2	1626	-	-	10/30/108/115	-
14	CLA	A2	1641	-	-	7/37/115/115	-
16	BCR	B5	1848	-	-	1/18/35/63	0/1/1/2
16	BCR	J5	105	-	-	1/29/63/63	0/2/2/2
16	BCR	L5	201	-	-	0/29/63/63	0/2/2/2
14	CLA	A4	831	-	-	8/37/115/115	-
14	CLA	A5	817	-	-	0/24/102/115	-
14	CLA	B2	811	-	-	3/13/91/115	-
14	CLA	B4	805	-	-	3/37/115/115	-
14	CLA	B2	839	-	-	2/37/115/115	-
16	BCR	A6	1648	-	-	8/29/63/63	0/2/2/2
14	CLA	A2	1625	-	-	9/21/99/115	-
14	CLA	A5	803	-	1/1/15/20	5/37/115/115	-
17	LHG	A1	849	14	1/1/5/5	11/31/31/53	-
14	CLA	X2	1701	12	-	6/13/91/115	-
16	BCR	A3	848	-	-	4/29/63/63	0/2/2/2
14	CLA	B6	839	-	-	4/16/94/115	-
14	CLA	A4	835	-	1/1/12/20	5/21/99/115	-
14	CLA	A3	836	1	-	5/13/91/115	-
16	BCR	I5	102	-	-	4/29/63/63	0/2/2/2
14	CLA	A2	1632	-	-	8/37/115/115	-
14	CLA	B1	808	-	1/1/15/20	15/37/115/115	-
14	CLA	B1	831	-	-	8/13/91/115	-
14	CLA	A4	808	1	-	13/37/115/115	-
14	CLA	A4	834	1	-	5/13/91/115	-
14	CLA	B5	1831	-	-	8/37/115/115	-
14	CLA	A2	1631	-	-	8/37/115/115	-
14	CLA	M2	1201	-	-	4/24/102/115	-
18	SF4	C6	102	3	-	-	0/6/5/5
14	CLA	B6	825	-	-	6/15/93/115	-
14	CLA	B2	821	-	-	8/25/103/115	-
14	CLA	A1	806	-	-	6/21/99/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	BCR	A5	846	-	-	4/29/63/63	0/2/2/2
16	BCR	I2	101	-	-	0/29/63/63	0/2/2/2
14	CLA	L6	208	-	-	9/37/115/115	-
16	BCR	A2	1651	-	-	2/29/63/63	0/2/2/2
14	CLA	B3	1803	-	-	9/37/115/115	-
17	LHG	B1	851	-	-	8/26/26/53	-
14	CLA	J1	102	-	-	0/2/76/115	-
14	CLA	A1	835	-	-	9/37/115/115	-
14	CLA	B2	823	2	1/1/12/20	7/24/102/115	-
15	PQN	A2	1646	-	-	6/23/43/43	0/2/2/2
17	LHG	X3	101	-	-	9/26/26/53	-
16	BCR	A5	845	-	-	0/29/63/63	0/2/2/2
14	CLA	B5	1823	-	-	5/13/91/115	-
14	CLA	A1	834	-	1/1/12/20	6/21/99/115	-
14	CLA	L4	204	-	-	8/37/115/115	-
14	CLA	B6	802	-	-	3/37/115/115	-
16	BCR	J2	103	-	-	4/29/63/63	0/2/2/2
14	CLA	X1	1701	-	-	6/13/91/115	-
16	BCR	J3	104	-	-	4/29/63/63	0/2/2/2
14	CLA	B1	825	-	1/1/12/20	7/24/102/115	-
15	PQN	A4	843	-	-	6/23/43/43	0/2/2/2
14	CLA	B1	807	-	1/1/15/20	15/37/115/115	-
14	CLA	B6	831	-	-	9/18/96/115	-
16	BCR	I1	103	-	-	0/29/63/63	0/2/2/2
14	CLA	J6	1103	-	-	0/2/76/115	-
16	BCR	A4	849	-	-	8/29/63/63	0/2/2/2
14	CLA	A6	1608	1	-	16/37/115/115	-
14	CLA	B2	801	-	-	9/37/115/115	-
16	BCR	B2	846	-	-	2/29/63/63	0/2/2/2
16	BCR	B6	845	-	-	4/29/63/63	0/2/2/2
14	CLA	A1	817	-	-	9/24/102/115	-
14	CLA	B1	840	-	-	4/16/94/115	-
14	CLA	A4	840	-	-	8/37/115/115	-
14	CLA	B6	840	-	-	2/37/115/115	-
14	CLA	A4	823	-	-	10/30/108/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	A5	837	-	-	9/37/115/115	-
16	BCR	B4	846	-	-	6/29/63/63	0/2/2/2
19	LMG	B3	1850	-	-	8/50/70/70	0/1/1/1
14	CLA	A4	802	-	1/1/15/20	4/37/115/115	-
18	SF4	A3	855	-	-	-	0/6/5/5
17	LHG	A3	853	-	-	19/53/53/53	-
14	CLA	A6	1630	-	-	8/37/115/115	-
14	CLA	A4	816	-	-	0/24/102/115	-
14	CLA	A2	1608	-	1/1/15/20	14/37/115/115	-
14	CLA	A1	830	-	-	5/19/97/115	-
14	CLA	A2	1603	-	-	4/37/115/115	-
14	CLA	B5	1813	-	-	3/13/91/115	-
14	CLA	B2	822	-	-	4/13/91/115	-
14	CLA	B6	821	-	-	5/13/91/115	-
16	BCR	B6	847	-	-	2/29/63/63	0/2/2/2
14	CLA	A5	829	-	-	8/37/115/115	-
16	BCR	F2	203	-	-	3/29/63/63	0/2/2/2
14	CLA	L1	207	-	-	9/37/115/115	-
14	CLA	A6	1633	-	-	7/37/115/115	-
14	CLA	A5	831	-	-	4/19/97/115	-
14	CLA	A1	815	-	-	8/18/96/115	-
14	CLA	A2	1610	1	-	16/37/115/115	-
14	CLA	L2	207	-	-	9/37/115/115	-
16	BCR	F3	201	-	-	0/29/63/63	0/2/2/2
14	CLA	M1	1201	-	-	4/24/102/115	-
16	BCR	A5	849	-	-	2/29/63/63	0/2/2/2
14	CLA	B4	817	-	-	8/13/91/115	-
17	LHG	A2	1653	-	-	17/53/53/53	-
21	FES	P6	101	13	-	-	0/1/1/1
14	CLA	A5	838	-	-	5/16/94/115	-
14	CLA	A6	1604	14	-	12/30/108/115	-
14	CLA	B2	802	-	-	6/37/115/115	-
14	CLA	B2	825	-	1/1/15/20	12/37/115/115	-
14	CLA	B2	837	-	-	2/37/115/115	-
14	CLA	A5	842	-	-	9/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	B1	812	-	-	4/13/91/115	-
16	BCR	A4	847	-	-	2/29/63/63	0/2/2/2
16	BCR	B6	844	-	-	6/29/63/63	0/2/2/2
14	CLA	B1	810	-	-	9/37/115/115	-
14	CLA	F1	1301	-	-	4/13/91/115	-
16	BCR	B2	844	-	-	4/29/63/63	0/2/2/2
16	BCR	J6	1104	-	-	2/29/63/63	0/2/2/2
14	CLA	B6	816	-	-	8/25/103/115	-
14	CLA	A5	824	-	-	8/30/108/115	-
14	CLA	B5	1815	-	1/1/15/20	12/37/115/115	-
14	CLA	A4	805	-	1/1/15/20	14/37/115/115	-
14	CLA	B5	1835	-	-	7/29/107/115	-
14	CLA	B3	1830	-	-	10/37/115/115	-
14	CLA	B5	1830	-	-	11/37/115/115	-
14	CLA	B3	1814	-	-	3/13/91/115	-
14	CLA	B6	835	-	-	2/13/91/115	-
14	CLA	A6	1616	-	-	8/18/96/115	-
16	BCR	B2	845	-	-	1/18/35/63	0/1/1/2
14	CLA	B4	818	-	-	8/25/103/115	-
16	BCR	L4	206	-	-	0/29/63/63	0/2/2/2
16	BCR	B4	847	-	-	4/29/63/63	0/2/2/2
14	CLA	B2	809	2	1/1/15/20	8/37/115/115	-
14	CLA	A6	1651	-	-	8/37/115/115	-
14	CLA	B5	1805	-	-	3/37/115/115	-
17	LHG	A6	1649	-	-	19/53/53/53	-
14	CLA	A3	804	14	-	12/30/108/115	-
14	CLA	A1	807	1	-	16/37/115/115	-
14	CLA	A5	823	-	-	8/21/99/115	-
14	CLA	B5	1804	-	-	6/37/115/115	-
16	BCR	J1	104	-	-	4/29/63/63	0/2/2/2
14	CLA	A3	818	-	-	9/24/102/115	-
14	CLA	B1	818	-	-	6/30/108/115	-
14	CLA	A4	806	-	-	6/21/99/115	-
14	CLA	J2	101	8	1/1/11/20	11/13/91/115	-
16	BCR	B2	847	-	-	1/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	BCR	M4	101	-	-	4/29/63/63	0/2/2/2
14	CLA	L4	201	-	-	7/37/115/115	-
14	CLA	K5	101	-	1/1/9/20	3/7/81/115	-
17	LHG	X5	102	-	-	8/26/26/53	-
14	CLA	B5	1822	-	-	6/16/94/115	-
14	CLA	A6	1625	-	1/1/15/20	11/37/115/115	-
14	CLA	A6	1641	-	1/1/9/20	3/7/81/115	-
14	CLA	A3	814	-	-	0/13/91/115	-
14	CLA	B2	819	-	-	6/16/94/115	-
14	CLA	B1	834	-	-	7/29/107/115	-
14	CLA	A2	1622	-	-	12/33/111/115	-
14	CLA	A2	1636	-	-	5/24/102/115	-
16	BCR	L2	208	-	-	0/29/63/63	0/2/2/2
16	BCR	J6	1105	-	-	4/29/63/63	0/2/2/2
14	CLA	F4	202	-	-	4/13/91/115	-
14	CLA	A3	833	-	-	6/37/115/115	-
14	CLA	B1	805	-	-	6/37/115/115	-
14	CLA	B6	830	-	-	8/13/91/115	-
14	CLA	A4	833	-	-	4/24/102/115	-
14	CLA	B6	827	-	-	14/37/115/115	-
14	CLA	A2	1643	-	-	8/37/115/115	-
14	CLA	B5	1825	-	-	4/13/91/115	-
16	BCR	F2	201	-	-	0/29/63/63	0/2/2/2
14	CLA	A5	835	1	-	5/13/91/115	-
14	CLA	A1	801	-	-	1/37/115/115	-
14	CLA	B2	831	-	-	16/37/115/115	-
14	CLA	B6	823	-	-	4/13/91/115	-
16	BCR	F5	1302	-	-	3/29/63/63	0/2/2/2
14	CLA	A5	812	-	-	9/24/102/115	-
14	CLA	A5	828	-	-	8/37/115/115	-
14	CLA	B3	1806	-	-	4/24/102/115	-
16	BCR	B4	845	-	-	0/29/63/63	0/2/2/2
16	BCR	I4	102	-	-	4/29/63/63	0/2/2/2
14	CLA	A5	810	-	-	9/13/91/115	-
14	CLA	A4	824	-	1/1/15/20	12/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	BCR	B5	1849	-	-	2/29/63/63	0/2/2/2
14	CLA	A3	825	-	1/1/15/20	10/37/115/115	-
16	BCR	M5	101	-	-	4/29/63/63	0/2/2/2
14	CLA	A5	805	-	1/1/15/20	16/37/115/115	-
14	CLA	B6	838	-	-	3/37/115/115	-
14	CLA	A6	1610	-	-	9/13/91/115	-
17	LHG	A6	1650	14	1/1/5/5	11/31/31/53	-
14	CLA	B4	835	-	-	7/29/107/115	-
14	CLA	A1	820	-	-	5/37/115/115	-
18	SF4	C4	102	3	-	-	0/6/5/5
14	CLA	B1	824	-	-	4/13/91/115	-
14	CLA	B2	803	-	-	3/37/115/115	-
14	CLA	B5	1818	-	-	8/25/103/115	-
14	CLA	A6	1606	-	1/1/15/20	14/37/115/115	-
14	CLA	A3	816	-	-	8/18/96/115	-
14	CLA	A3	827	-	1/1/15/20	8/37/115/115	-
14	CLA	B2	812	-	1/1/15/20	12/37/115/115	-
14	CLA	B5	1827	-	-	6/15/93/115	-
14	CLA	A5	830	-	-	9/37/115/115	-
14	CLA	A3	811	14	-	12/37/115/115	-
14	CLA	B1	811	-	-	12/37/115/115	-
14	CLA	A4	811	-	-	9/24/102/115	-
14	CLA	B5	1812	2	1/1/15/20	10/37/115/115	-
14	CLA	B2	813	-	-	11/37/115/115	-
16	BCR	A3	856	-	-	1/29/63/63	0/2/2/2
16	BCR	L6	204	-	-	4/29/63/63	0/2/2/2
16	BCR	L3	206	-	-	0/29/63/63	0/2/2/2
14	CLA	B3	1842	-	-	2/37/115/115	-
14	CLA	B3	1813	-	-	3/13/91/115	-
16	BCR	L6	209	-	-	0/29/63/63	0/2/2/2
14	CLA	K5	102	-	-	5/13/91/115	-
14	CLA	B4	807	-	1/1/15/20	15/37/115/115	-
14	CLA	B4	843	-	-	10/37/115/115	-
15	PQN	B6	842	-	-	4/23/43/43	0/2/2/2
16	BCR	I3	101	-	-	0/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	B2	815	-	-	8/25/103/115	-
14	CLA	A4	810	14	-	12/37/115/115	-
14	CLA	A6	1603	-	-	10/37/115/115	-
14	CLA	A6	1612	-	-	9/24/102/115	-
14	CLA	B6	818	-	-	9/31/109/115	-
14	CLA	A2	1634	-	-	8/37/115/115	-
14	CLA	B3	1823	-	-	5/13/91/115	-
16	BCR	A2	1652	-	-	8/29/63/63	0/2/2/2
14	CLA	X6	1701	-	-	7/13/91/115	-
15	PQN	A5	844	-	-	6/23/43/43	0/2/2/2
18	SF4	C5	101	3	-	-	0/6/5/5
14	CLA	A6	1631	-	-	6/19/97/115	-
14	CLA	A2	1619	-	-	0/24/102/115	-
14	CLA	A3	817	-	-	0/24/102/115	-
14	CLA	A2	1604	-	-	10/37/115/115	-
14	CLA	A5	801	-	-	2/37/115/115	-
14	CLA	B4	815	-	1/1/15/20	12/37/115/115	-
14	CLA	B5	1819	-	-	6/30/108/115	-
14	CLA	A2	1607	-	1/1/15/20	16/37/115/115	-
14	CLA	A5	807	-	-	6/21/99/115	-
14	CLA	B5	1839	-	1/1/14/20	10/31/109/115	-
14	CLA	A4	836	-	-	9/37/115/115	-
16	BCR	B4	850	-	-	1/29/63/63	0/2/2/2
14	CLA	A2	1623	-	-	5/37/115/115	-
15	PQN	A1	841	-	-	6/23/43/43	0/2/2/2
18	SF4	C2	101	3	-	-	0/6/5/5
16	BCR	F1	1302	-	-	3/29/63/63	0/2/2/2
16	BCR	I4	101	-	-	0/29/63/63	0/2/2/2
14	CLA	L1	202	-	-	7/37/115/115	-
16	BCR	B4	848	-	-	1/18/35/63	0/1/1/2
14	CLA	A5	808	1	-	16/37/115/115	-
14	CLA	L2	202	-	-	7/37/115/115	-
21	FES	P1	101	13	-	-	0/1/1/1
14	CLA	B1	821	-	-	5/16/94/115	-
14	CLA	B4	852	17	-	14/22/100/115	-
14	CLA	B2	808	2	-	13/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	BCR	B3	1846	-	-	6/29/63/63	0/2/2/2
16	BCR	B5	1846	-	-	6/29/63/63	0/2/2/2
14	CLA	B3	1831	-	-	8/37/115/115	-
16	BCR	F4	201	-	-	0/29/63/63	0/2/2/2
16	BCR	B1	843	-	-	0/29/63/63	0/2/2/2
16	BCR	J5	104	-	-	4/29/63/63	0/2/2/2
14	CLA	B2	820	-	-	5/13/91/115	-
14	CLA	B3	1822	-	-	7/16/94/115	-
17	LHG	X4	101	-	-	9/26/26/53	-
14	CLA	A1	828	-	-	8/37/115/115	-
14	CLA	L3	203	-	-	12/37/115/115	-
14	CLA	A3	839	-	-	5/16/94/115	-
14	CLA	B4	829	-	-	14/37/115/115	-
14	CLA	F6	202	-	-	4/13/91/115	-
14	CLA	B2	836	-	1/1/14/20	10/31/109/115	-
14	CLA	B4	820	-	-	10/31/109/115	-
14	CLA	A1	805	-	1/1/15/20	14/37/115/115	-
14	CLA	B1	803	-	-	7/37/115/115	-
14	CLA	L4	203	-	-	10/37/115/115	-
16	BCR	A5	850	-	-	8/29/63/63	0/2/2/2
14	CLA	B5	1838	-	-	4/13/91/115	-
14	CLA	A3	821	-	-	5/37/115/115	-
14	CLA	B3	1825	-	-	4/13/91/115	-
14	CLA	B5	1817	-	-	6/13/91/115	-
19	LMG	B5	1851	-	-	8/50/70/70	0/1/1/1
14	CLA	A4	822	-	-	9/21/99/115	-
16	BCR	B1	846	-	-	1/18/35/63	0/1/1/2
16	BCR	B6	843	-	-	0/29/63/63	0/2/2/2
14	CLA	B4	808	-	1/1/15/20	15/37/115/115	-
14	CLA	A6	1636	-	1/1/12/20	6/21/99/115	-
14	CLA	B4	837	-	-	1/13/91/115	-
14	CLA	B5	1811	2	-	13/37/115/115	-
16	BCR	B5	1845	-	-	0/29/63/63	0/2/2/2
14	CLA	A1	818	-	-	13/37/115/115	-
14	CLA	B4	819	-	-	6/30/108/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	A4	809	-	-	9/13/91/115	-
14	CLA	A1	824	-	1/1/15/20	11/37/115/115	-
14	CLA	A4	839	-	-	8/21/99/115	-
14	CLA	B5	1802	-	-	10/37/115/115	-
14	CLA	B4	826	2	1/1/12/20	7/24/102/115	-
14	CLA	A4	815	-	-	8/18/96/115	-
14	CLA	A1	832	-	-	4/24/102/115	-
14	CLA	A1	816	-	-	0/24/102/115	-
16	BCR	B3	1847	-	-	4/29/63/63	0/2/2/2
16	BCR	B5	1847	-	-	4/29/63/63	0/2/2/2
16	BCR	A5	853	-	-	1/29/63/63	0/2/2/2
14	CLA	B5	1826	-	1/1/12/20	7/24/102/115	-
16	BCR	A6	1652	-	-	2/29/63/63	0/2/2/2
14	CLA	A1	833	1	-	5/13/91/115	-
14	CLA	L5	204	10	-	11/37/115/115	-
16	BCR	M2	1202	-	-	4/29/63/63	0/2/2/2
14	CLA	B6	807	-	1/1/15/20	15/37/115/115	-
14	CLA	A4	819	-	-	14/33/111/115	-
14	CLA	B2	826	-	-	14/37/115/115	-
14	CLA	B3	1809	-	-	2/37/115/115	-
14	CLA	A4	828	-	-	8/37/115/115	-
14	CLA	B3	1824	-	-	8/25/103/115	-
17	LHG	A4	851	14	1/1/5/5	11/31/31/53	-
14	CLA	B1	837	-	-	4/13/91/115	-
17	LHG	B6	849	-	-	8/26/26/53	-
14	CLA	B3	1812	2	1/1/15/20	10/37/115/115	-
16	BCR	B6	846	-	-	1/18/35/63	0/1/1/2
14	CLA	A3	822	-	-	9/18/96/115	-
14	CLA	B3	1801	17	-	14/22/100/115	-
14	CLA	B5	1806	-	-	4/24/102/115	-
14	CLA	A4	825	-	-	13/37/115/115	-
16	BCR	F6	201	-	-	0/29/63/63	0/2/2/2
16	BCR	B1	849	-	-	2/29/63/63	0/2/2/2
14	CLA	B5	1836	-	-	4/13/91/115	-
16	BCR	J4	104	-	-	4/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	BCR	L1	203	-	-	4/29/63/63	0/2/2/2
14	CLA	A4	807	1	-	16/37/115/115	-
16	BCR	A6	1644	-	-	4/29/63/63	0/2/2/2
14	CLA	J4	102	-	-	0/2/76/115	-
14	CLA	A6	1634	-	-	4/24/102/115	-
14	CLA	B6	812	-	-	3/13/91/115	-
16	BCR	B2	842	-	-	1/29/63/63	0/2/2/2
14	CLA	A3	837	-	1/1/12/20	5/21/99/115	-
16	BCR	B3	1849	-	-	2/29/63/63	0/2/2/2
14	CLA	B1	815	-	-	12/37/115/115	-
14	CLA	B4	841	-	-	4/16/94/115	-
16	BCR	B5	1850	-	-	0/29/63/63	0/2/2/2
14	CLA	A3	843	-	-	9/37/115/115	-
14	CLA	B3	1807	-	1/1/15/20	14/37/115/115	-
14	CLA	B5	1807	-	1/1/15/20	14/37/115/115	-
14	CLA	A2	1639	-	-	8/37/115/115	-
14	CLA	A1	808	1	-	13/37/115/115	-
16	BCR	A3	849	-	-	0/29/63/63	0/2/2/2
14	CLA	A6	1629	-	-	8/37/115/115	-
16	BCR	A4	844	-	-	0/29/63/63	0/2/2/2
14	CLA	B4	813	-	-	3/13/91/115	-
16	BCR	A2	1650	-	-	2/29/63/63	0/2/2/2
14	CLA	A1	811	-	-	9/24/102/115	-
14	CLA	B1	828	-	-	14/37/115/115	-
14	CLA	B6	829	-	-	8/37/115/115	-
14	CLA	A3	842	-	-	8/37/115/115	-
14	CLA	A5	804	14	-	12/30/108/115	-
14	CLA	A2	1606	14	-	12/30/108/115	-
14	CLA	L4	205	-	-	9/37/115/115	-
14	CLA	A2	1630	-	-	8/37/115/115	-
14	CLA	A5	818	-	-	9/24/102/115	-
14	CLA	B2	804	-	1/1/15/20	14/37/115/115	-
14	CLA	A4	812	-	1/1/14/20	10/31/109/115	-
14	CLA	A6	1619	-	-	13/37/115/115	-
14	CLA	B5	1801	17	-	14/22/100/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
15	PQN	B1	842	-	-	4/23/43/43	0/2/2/2
14	CLA	B3	1827	-	-	6/15/93/115	-
16	BCR	I5	101	-	-	0/29/63/63	0/2/2/2
14	CLA	A5	814	-	-	3/13/91/115	-
14	CLA	K1	1401	-	-	5/13/91/115	-
16	BCR	A6	1643	-	-	0/29/63/63	0/2/2/2
14	CLA	K6	1401	-	-	5/13/91/115	-
14	CLA	A3	812	-	-	9/24/102/115	-
14	CLA	B2	814	-	-	8/13/91/115	-
16	BCR	A5	847	-	-	0/29/63/63	0/2/2/2
14	CLA	A3	841	-	-	8/21/99/115	-
14	CLA	J6	1102	8	1/1/11/20	11/13/91/115	-
14	CLA	B6	833	-	-	7/29/107/115	-
14	CLA	A1	829	-	-	8/37/115/115	-
14	CLA	B5	1828	-	1/1/15/20	12/37/115/115	-
14	CLA	B6	824	2	1/1/12/20	7/24/102/115	-
14	CLA	A3	845	17	-	15/22/100/115	-
14	CLA	A3	813	-	1/1/14/20	10/31/109/115	-
18	SF4	A5	854	1	-	-	0/6/5/5
14	CLA	B4	828	-	1/1/15/20	12/37/115/115	-
14	CLA	B4	809	-	-	1/37/115/115	-
14	CLA	F5	1301	-	-	4/13/91/115	-
16	BCR	J3	103	-	-	2/29/63/63	0/2/2/2
14	CLA	F2	202	-	-	4/13/91/115	-
14	CLA	A3	823	-	-	9/21/99/115	-
14	CLA	A5	820	-	-	13/33/111/115	-
14	CLA	B3	1810	-	-	9/37/115/115	-
16	BCR	B3	1845	-	-	0/29/63/63	0/2/2/2
14	CLA	B3	1811	2	-	14/37/115/115	-
14	CLA	A5	802	-	-	3/37/115/115	-
14	CLA	A5	825	-	1/1/15/20	12/37/115/115	-
14	CLA	B1	832	-	-	9/18/96/115	-
14	CLA	A3	831	-	-	4/19/97/115	-
14	CLA	B1	817	-	-	9/25/103/115	-
18	SF4	C6	101	3	-	-	0/6/5/5

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	A6	1609	-	-	13/37/115/115	-
14	CLA	B6	803	-	-	6/37/115/115	-
14	CLA	A3	809	1	-	13/37/115/115	-
14	CLA	B6	832	-	-	16/37/115/115	-
14	CLA	L3	205	-	-	9/37/115/115	-
14	CLA	B1	835	-	-	4/13/91/115	-
14	CLA	B5	1842	-	-	2/37/115/115	-
14	CLA	A1	826	-	1/1/15/20	7/37/115/115	-
14	CLA	A4	838	-	-	7/37/115/115	-
14	CLA	L1	201	-	-	8/37/115/115	-
14	CLA	A2	1611	-	-	13/37/115/115	-
18	SF4	C2	102	3	-	-	0/6/5/5
14	CLA	B3	1802	-	-	10/37/115/115	-
14	CLA	A2	1620	-	-	9/24/102/115	-
14	CLA	B3	1833	-	-	9/18/96/115	-
14	CLA	B3	1832	-	-	8/13/91/115	-
14	CLA	B3	1826	-	1/1/12/20	7/24/102/115	-
14	CLA	B5	1832	-	-	8/13/91/115	-
14	CLA	A5	816	-	-	8/18/96/115	-
14	CLA	B4	824	-	-	8/25/103/115	-
17	LHG	B2	849	-	-	8/26/26/53	-
14	CLA	A3	810	-	-	9/13/91/115	-
14	CLA	B3	1840	-	-	2/37/115/115	-
18	SF4	A4	852	1,2	-	-	0/6/5/5
14	CLA	A5	833	-	-	7/37/115/115	-
14	CLA	A3	805	-	1/1/15/20	17/37/115/115	-
14	CLA	A5	836	-	1/1/12/20	5/21/99/115	-
14	CLA	A6	1623	-	-	10/21/99/115	-
14	CLA	A4	813	-	-	0/13/91/115	-
16	BCR	A1	843	-	-	4/29/63/63	0/2/2/2
16	BCR	B3	1848	-	-	1/18/35/63	0/1/1/2
14	CLA	X4	102	12	-	5/13/91/115	-
14	CLA	X3	102	12	-	7/13/91/115	-
14	CLA	B2	818	-	-	4/37/115/115	-
14	CLA	B6	804	-	-	9/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
21	FES	P5	101	13	-	-	0/1/1/1
14	CLA	B2	832	-	-	7/29/107/115	-
14	CLA	A4	841	-	-	9/37/115/115	-
14	CLA	A2	1629	-	1/1/15/20	9/37/115/115	-
14	CLA	B5	1833	-	-	9/18/96/115	-
14	CLA	B3	1835	-	-	7/29/107/115	-
14	CLA	B2	835	-	-	4/13/91/115	-
14	CLA	B4	833	-	-	9/18/96/115	-
14	CLA	B4	832	-	-	8/13/91/115	-
14	CLA	A6	1620	-	-	15/33/111/115	-
14	CLA	A2	1617	-	-	4/13/91/115	-
14	CLA	B1	813	-	-	3/13/91/115	-
14	CLA	F2	204	-	-	0/2/76/115	-
14	CLA	A2	1613	14	-	12/37/115/115	-
17	LHG	A3	854	14	1/1/5/5	11/31/31/53	-
14	CLA	B1	830	-	-	9/37/115/115	-
16	BCR	L2	203	-	-	4/29/63/63	0/2/2/2
16	BCR	L3	201	-	-	0/29/63/63	0/2/2/2
14	CLA	A4	814	-	-	5/13/91/115	-
16	BCR	B6	850	-	-	1/29/63/63	0/2/2/2
14	CLA	B6	814	-	-	11/37/115/115	-
14	CLA	A4	842	-	1/1/9/20	3/7/81/115	-
14	CLA	A2	1602	-	-	3/37/115/115	-
14	CLA	B6	834	-	-	4/13/91/115	-
14	CLA	A6	1622	-	-	10/18/96/115	-
16	BCR	A6	1645	-	-	0/29/63/63	0/2/2/2
16	BCR	A1	845	-	-	2/29/63/63	0/2/2/2
14	CLA	B2	805	-	1/1/15/20	15/37/115/115	-
14	CLA	A1	831	-	-	6/37/115/115	-
16	BCR	L4	208	-	-	0/29/63/63	0/2/2/2
14	CLA	A1	809	-	-	9/13/91/115	-
14	CLA	A5	806	-	1/1/15/20	14/37/115/115	-
14	CLA	B6	819	-	-	4/37/115/115	-
14	CLA	B1	853	17	-	14/22/100/115	-
14	CLA	A6	1626	-	-	14/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	L5	206	-	-	9/37/115/115	-
14	CLA	L1	205	10	-	12/37/115/115	-
14	CLA	K4	1401	-	-	5/13/91/115	-
16	BCR	L2	201	-	-	0/29/63/63	0/2/2/2
14	CLA	B6	826	-	1/1/15/20	11/37/115/115	-
14	CLA	A2	1601	-	-	9/13/91/115	-
15	PQN	A6	1642	-	-	6/23/43/43	0/2/2/2
14	CLA	M3	1601	-	-	9/13/91/115	-
16	BCR	A1	847	-	-	8/29/63/63	0/2/2/2
14	CLA	L2	205	10	-	11/37/115/115	-
14	CLA	A2	1609	-	-	6/21/99/115	-
14	CLA	B2	827	-	-	12/37/115/115	-
14	CLA	B1	820	-	-	4/37/115/115	-
14	CLA	A2	1638	-	1/1/12/20	6/21/99/115	-
14	CLA	B4	804	-	-	7/37/115/115	-
14	CLA	B3	1816	-	-	12/37/115/115	-
14	CLA	A5	834	-	-	4/24/102/115	-
14	CLA	B5	1816	-	-	11/37/115/115	-
18	SF4	C3	102	3	-	-	0/6/5/5
14	CLA	A6	1607	-	-	6/21/99/115	-
14	CLA	B6	820	-	-	5/16/94/115	-
16	BCR	M6	1202	-	-	4/29/63/63	0/2/2/2
14	CLA	A3	832	-	-	8/37/115/115	-
14	CLA	B1	841	-	-	9/37/115/115	-
14	CLA	B4	834	-	-	16/37/115/115	-
14	CLA	A1	819	-	-	16/33/111/115	-
14	CLA	B5	1834	-	-	16/37/115/115	-
14	CLA	B6	809	-	-	13/37/115/115	-
14	CLA	B4	814	-	-	2/13/91/115	-
14	CLA	A1	825	-	-	12/37/115/115	-
14	CLA	A1	837	-	-	8/21/99/115	-
14	CLA	B1	823	-	-	8/25/103/115	-
14	CLA	A2	1621	-	-	13/37/115/115	-
16	BCR	I3	102	-	-	4/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	B3	1836	-	-	4/13/91/115	-
19	LMG	B6	848	-	-	8/50/70/70	0/1/1/1
16	BCR	A1	844	-	-	0/29/63/63	0/2/2/2
14	CLA	A1	804	-	1/1/15/20	16/37/115/115	-
14	CLA	B4	810	-	-	9/37/115/115	-
14	CLA	B6	836	-	-	4/13/91/115	-
16	BCR	A2	1648	-	-	4/29/63/63	0/2/2/2
16	BCR	F3	203	-	-	3/29/63/63	0/2/2/2
14	CLA	B2	817	-	-	9/31/109/115	-
14	CLA	A1	840	-	1/1/9/20	3/7/81/115	-
16	BCR	A4	845	-	-	4/29/63/63	0/2/2/2
19	LMG	B4	851	-	-	8/50/70/70	0/1/1/1
14	CLA	B1	801	-	-	3/37/115/115	-
14	CLA	B2	807	-	-	9/37/115/115	-
14	CLA	A4	801	-	-	2/37/115/115	-
14	CLA	B3	1839	-	1/1/14/20	9/31/109/115	-
14	CLA	A5	826	-	-	14/37/115/115	-
14	CLA	A5	815	-	-	3/13/91/115	-
14	CLA	B2	830	-	-	9/18/96/115	-
14	CLA	B4	802	-	-	10/37/115/115	-
14	CLA	B4	825	-	-	4/13/91/115	-
14	CLA	B3	1838	-	-	4/13/91/115	-
14	CLA	B5	1814	-	-	3/13/91/115	-
14	CLA	A4	821	-	-	11/18/96/115	-
14	CLA	B4	821	-	-	4/37/115/115	-
16	BCR	M1	1202	-	-	4/29/63/63	0/2/2/2
14	CLA	A2	1628	-	-	13/37/115/115	-
14	CLA	X5	101	12	-	6/13/91/115	-
14	CLA	A5	811	14	-	12/37/115/115	-
14	CLA	A1	812	-	1/1/14/20	9/31/109/115	-
14	CLA	B2	806	-	-	2/37/115/115	-
14	CLA	A2	1637	1	-	5/13/91/115	-
14	CLA	A1	810	14	-	12/37/115/115	-
14	CLA	B6	806	-	1/1/15/20	14/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	A3	803	-	1/1/15/20	5/37/115/115	-
14	CLA	B4	836	-	-	4/13/91/115	-
14	CLA	B2	810	-	-	3/13/91/115	-
14	CLA	A3	829	-	-	8/37/115/115	-
14	CLA	L6	206	10	-	10/37/115/115	-
14	CLA	B2	834	-	-	2/13/91/115	-
14	CLA	A2	1642	-	-	8/21/99/115	-
14	CLA	A6	1611	14	-	12/37/115/115	-
14	CLA	L3	202	-	-	9/13/91/115	-
16	BCR	B2	850	-	-	0/29/63/63	0/2/2/2
14	CLA	A5	822	-	-	10/18/96/115	-
16	BCR	B1	845	-	-	4/29/63/63	0/2/2/2
14	CLA	B6	837	-	1/1/14/20	11/31/109/115	-
19	LMG	B2	848	-	-	8/50/70/70	0/1/1/1
14	CLA	B3	1834	-	-	16/37/115/115	-
21	FES	P4	101	13	-	-	0/1/1/1
14	CLA	A3	840	-	-	6/37/115/115	-
14	CLA	A2	1635	-	-	8/37/115/115	-
14	CLA	L6	203	-	-	9/37/115/115	-
16	BCR	B2	843	-	-	6/29/63/63	0/2/2/2
16	BCR	A4	846	-	-	0/29/63/63	0/2/2/2
16	BCR	A5	848	-	-	2/29/63/63	0/2/2/2
14	CLA	A5	819	-	-	13/37/115/115	-
16	BCR	F4	204	-	-	0/29/63/63	0/2/2/2
14	CLA	B1	814	-	1/1/15/20	12/37/115/115	-
14	CLA	B5	1824	-	-	8/25/103/115	-
14	CLA	B6	813	-	1/1/15/20	12/37/115/115	-
14	CLA	J6	1101	-	1/1/15/20	5/37/115/115	-
16	BCR	A3	847	-	-	0/29/63/63	0/2/2/2
16	BCR	A2	1647	-	-	0/29/63/63	0/2/2/2
14	CLA	B2	829	-	-	8/13/91/115	-
14	CLA	A2	1633	-	-	4/19/97/115	-
14	CLA	B4	822	-	-	6/16/94/115	-
16	BCR	J1	103	-	-	2/29/63/63	0/2/2/2
14	CLA	A2	1624	-	-	12/18/96/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	BCR	F4	203	-	-	3/29/63/63	0/2/2/2
14	CLA	A5	843	17	-	14/22/100/115	-
14	CLA	A6	1617	-	-	0/24/102/115	-
18	SF4	C1	101	3	-	-	0/6/5/5
14	CLA	A2	1612	-	-	9/13/91/115	-
14	CLA	A6	1613	-	1/1/14/20	9/31/109/115	-
14	CLA	A6	1635	1	-	5/13/91/115	-
14	CLA	B3	1837	-	-	0/13/91/115	-
14	CLA	B3	1805	-	-	3/37/115/115	-
14	CLA	A6	1602	-	-	3/37/115/115	-
14	CLA	B3	1815	-	1/1/15/20	11/37/115/115	-
14	CLA	B6	808	-	-	9/37/115/115	-
15	PQN	B3	1844	-	-	4/23/43/43	0/2/2/2
17	LHG	A5	851	-	-	19/53/53/53	-
14	CLA	B1	802	-	-	10/37/115/115	-
14	CLA	A6	1632	-	-	6/37/115/115	-
17	LHG	A1	848	-	-	18/53/53/53	-
14	CLA	B6	815	-	-	8/13/91/115	-
14	CLA	A4	820	-	-	5/37/115/115	-
14	CLA	B1	816	-	-	6/13/91/115	-
14	CLA	J3	102	-	-	0/2/76/115	-
14	CLA	A1	813	-	-	1/13/91/115	-
16	BCR	B1	844	-	-	6/29/63/63	0/2/2/2
14	CLA	L1	206	-	-	9/37/115/115	-
14	CLA	A2	1616	-	-	0/13/91/115	-
14	CLA	B1	804	-	-	9/37/115/115	-
14	CLA	A3	838	-	-	7/37/115/115	-
18	SF4	C3	101	-	-	-	0/6/5/5
14	CLA	B3	1804	-	-	8/37/115/115	-
16	BCR	A2	1649	-	-	0/29/63/63	0/2/2/2
14	CLA	I1	101	-	-	2/37/115/115	-
14	CLA	A2	1605	-	1/1/15/20	5/37/115/115	-
14	CLA	A6	1638	-	-	5/16/94/115	-
18	SF4	B6	801	2	-	-	0/6/5/5
14	CLA	A2	1640	-	-	5/16/94/115	-
14	CLA	B6	805	-	-	3/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
17	LHG	A2	1654	14	1/1/5/5	11/31/31/53	-
14	CLA	A2	1645	-	1/1/9/20	3/7/81/115	-
15	PQN	A3	846	-	-	6/23/43/43	0/2/2/2
14	CLA	B2	840	-	-	10/37/115/115	-
16	BCR	L6	201	-	-	0/29/63/63	0/2/2/2
16	BCR	B1	847	-	-	2/29/63/63	0/2/2/2
14	CLA	L6	207	-	-	9/37/115/115	-
14	CLA	B5	1840	-	-	3/37/115/115	-
14	CLA	B5	1803	-	-	11/37/115/115	-
21	FES	P2	101	13	-	-	0/1/1/1
14	CLA	B4	830	-	-	10/37/115/115	-
14	CLA	A3	828	-	-	8/37/115/115	-
14	CLA	B6	822	-	-	8/25/103/115	-
14	CLA	A3	824	-	-	10/30/108/115	-
14	CLA	A2	1614	-	-	9/24/102/115	-
14	CLA	B2	838	-	-	4/16/94/115	-
14	CLA	L3	204	-	-	7/37/115/115	-
14	CLA	A6	1621	-	-	5/37/115/115	-
14	CLA	L6	202	-	-	8/37/115/115	-
14	CLA	B1	819	-	-	9/31/109/115	-
14	CLA	B4	816	-	-	11/37/115/115	-
16	BCR	A4	848	-	-	2/29/63/63	0/2/2/2
14	CLA	A1	839	-	-	8/37/115/115	-
14	CLA	A5	809	-	-	13/37/115/115	-
14	CLA	A4	804	-	1/1/15/20	17/37/115/115	-
14	CLA	A2	1627	-	1/1/15/20	11/37/115/115	-
14	CLA	B4	831	-	-	8/37/115/115	-
14	CLA	A4	827	-	-	8/37/115/115	-
16	BCR	A6	1646	-	-	2/29/63/63	0/2/2/2
14	CLA	B1	829	-	-	11/37/115/115	-
16	BCR	B4	849	-	-	2/29/63/63	0/2/2/2
14	CLA	B4	839	-	1/1/14/20	10/31/109/115	-
14	CLA	A3	826	-	-	13/37/115/115	-
14	CLA	B4	840	-	-	3/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	K2	1401	-	-	5/13/91/115	-
14	CLA	B5	1808	-	1/1/15/20	15/37/115/115	-
14	CLA	B3	1841	-	-	4/16/94/115	-
14	CLA	A6	1640	-	-	8/37/115/115	-
14	CLA	A5	841	-	-	8/37/115/115	-
15	PQN	B5	1844	-	-	4/23/43/43	0/2/2/2
14	CLA	A1	836	-	-	5/16/94/115	-
14	CLA	A3	802	-	-	3/37/115/115	-
14	CLA	B2	828	-	-	8/37/115/115	-
14	CLA	A1	823	-	-	12/30/108/115	-
14	CLA	A4	829	-	-	8/37/115/115	-
14	CLA	A6	1614	-	-	0/13/91/115	-
16	BCR	J4	103	-	-	2/29/63/63	0/2/2/2
14	CLA	B1	838	-	1/1/14/20	9/31/109/115	-
14	CLA	A4	818	-	-	14/37/115/115	-
14	CLA	B3	1818	-	-	9/25/103/115	-
16	BCR	M3	1602	-	-	4/29/63/63	0/2/2/2
14	CLA	B6	828	-	-	12/37/115/115	-
18	SF4	A1	850	-	-	-	0/6/5/5
14	CLA	B4	803	-	-	11/37/115/115	-
14	CLA	A6	1637	-	-	8/37/115/115	-
14	CLA	L5	203	-	-	7/37/115/115	-
14	CLA	B4	812	2	1/1/15/20	10/37/115/115	-
14	CLA	B1	833	-	-	16/37/115/115	-
14	CLA	A5	827	-	1/1/15/20	7/37/115/115	-
14	CLA	B5	1810	-	-	9/37/115/115	-
14	CLA	A4	832	-	-	7/37/115/115	-
14	CLA	A4	803	14	-	12/30/108/115	-
17	LHG	A4	850	-	-	17/53/53/53	-
14	CLA	B4	827	-	-	6/15/93/115	-
14	CLA	A2	1618	-	-	8/18/96/115	-
16	BCR	B1	852	-	-	1/29/63/63	0/2/2/2
14	CLA	L2	206	-	-	9/37/115/115	-
14	CLA	B5	1809	-	-	2/37/115/115	-
18	SF4	C4	101	3	-	-	0/6/5/5

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	B5	1843	-	-	9/37/115/115	-
14	CLA	A1	821	-	-	11/18/96/115	-
14	CLA	J3	101	8	1/1/11/20	11/13/91/115	-
14	CLA	A3	801	-	-	3/37/115/115	-
15	PQN	B2	841	-	-	4/23/43/43	0/2/2/2
14	CLA	A1	803	14	-	12/30/108/115	-
14	CLA	B3	1817	-	-	8/13/91/115	-
14	CLA	B1	854	2	1/1/15/20	10/37/115/115	-
16	BCR	J5	103	-	-	2/29/63/63	0/2/2/2
14	CLA	A1	822	-	-	9/21/99/115	-
16	BCR	I1	102	-	-	0/29/63/63	0/2/2/2
14	CLA	A3	819	-	-	14/37/115/115	-
14	CLA	B2	816	-	-	6/30/108/115	-
14	CLA	J1	101	8	1/1/11/20	11/13/91/115	-
14	CLA	A4	826	-	1/1/15/20	9/37/115/115	-
14	CLA	A2	1644	-	-	9/37/115/115	-
14	CLA	B2	833	-	-	4/13/91/115	-
14	CLA	J5	102	-	-	0/2/76/115	-
14	CLA	A3	844	-	1/1/9/20	3/7/81/115	-
14	CLA	B3	1808	-	1/1/15/20	15/37/115/115	-
14	CLA	B3	1819	-	-	6/30/108/115	-
15	PQN	B4	844	-	-	4/23/43/43	0/2/2/2
14	CLA	B4	801	-	-	4/37/115/115	-
14	CLA	A3	820	-	-	14/33/111/115	-
14	CLA	B6	817	-	-	7/30/108/115	-
14	CLA	A6	1624	-	-	9/30/108/115	-
18	SF4	C1	102	3	-	-	0/6/5/5
14	CLA	B1	827	-	1/1/15/20	12/37/115/115	-
14	CLA	A1	814	-	-	5/13/91/115	-
14	CLA	A3	806	-	1/1/15/20	15/37/115/115	-
14	CLA	B6	810	2	1/1/15/20	8/37/115/115	-
14	CLA	A5	813	-	1/1/14/20	9/31/109/115	-
14	CLA	B1	806	-	-	3/37/115/115	-
14	CLA	B1	809	-	-	2/37/115/115	-
14	CLA	A6	1628	-	-	8/37/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CLA	A4	830	-	-	5/19/97/115	-
14	CLA	B1	839	-	-	1/37/115/115	-
14	CLA	B6	811	-	-	3/13/91/115	-
14	CLA	A6	1618	-	-	9/24/102/115	-
14	CLA	A3	835	-	-	5/24/102/115	-
16	BCR	A1	846	-	-	2/29/63/63	0/2/2/2
14	CLA	B3	1820	-	-	9/31/109/115	-
14	CLA	B5	1820	-	-	9/31/109/115	-
14	CLA	B3	1828	-	1/1/15/20	11/37/115/115	-
14	CLA	A3	815	-	-	5/13/91/115	-
14	CLA	B6	841	-	-	9/37/115/115	-
14	CLA	B3	1829	-	-	14/37/115/115	-
14	CLA	B5	1829	-	-	14/37/115/115	-
16	BCR	A1	842	-	-	0/29/63/63	0/2/2/2
16	BCR	F6	203	-	-	3/29/63/63	0/2/2/2
14	CLA	A4	817	-	-	9/24/102/115	-
14	CLA	A6	1639	-	-	8/21/99/115	-
14	CLA	A2	1615	-	1/1/14/20	10/31/109/115	-
14	CLA	B2	824	-	-	6/15/93/115	-
14	CLA	A4	853	-	-	9/13/91/115	-
14	CLA	A5	839	-	-	6/37/115/115	-
16	BCR	A3	851	-	-	2/29/63/63	0/2/2/2
16	BCR	L1	209	-	-	0/29/63/63	0/2/2/2
14	CLA	A6	1605	-	1/1/15/20	16/37/115/115	-
14	CLA	M6	1201	-	-	4/24/102/115	-
17	LHG	A5	852	14	1/1/5/5	10/31/31/53	-
14	CLA	B1	826	-	-	6/15/93/115	-
14	CLA	K3	1401	-	-	6/13/91/115	-
16	BCR	B1	848	-	-	0/29/63/63	0/2/2/2
16	BCR	A3	852	-	-	8/29/63/63	0/2/2/2
14	CLA	J4	101	8	1/1/11/20	11/13/91/115	-
14	CLA	A5	832	-	-	8/37/115/115	-
14	CLA	B1	836	-	-	2/13/91/115	-
16	BCR	B3	1851	-	-	1/29/63/63	0/2/2/2
14	CLA	B4	838	-	-	4/13/91/115	-

All (6354) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	A3	846	PQN	C3-C2	7.13	1.48	1.35
15	A5	844	PQN	C3-C2	7.09	1.48	1.35
15	A4	843	PQN	C3-C2	7.06	1.48	1.35
15	A2	1646	PQN	C3-C2	6.99	1.48	1.35
15	A1	841	PQN	C3-C2	6.96	1.47	1.35
15	A6	1642	PQN	C3-C2	6.95	1.47	1.35
15	B3	1844	PQN	C3-C2	6.93	1.47	1.35
15	B6	842	PQN	C3-C2	6.92	1.47	1.35
15	B5	1844	PQN	C3-C2	6.90	1.47	1.35
15	B4	844	PQN	C3-C2	6.87	1.47	1.35
15	B1	842	PQN	C3-C2	6.85	1.47	1.35
15	B2	841	PQN	C3-C2	6.83	1.47	1.35
15	A4	843	PQN	O4-C4	5.12	1.34	1.23
15	A4	843	PQN	O1-C1	5.07	1.34	1.23
15	A2	1646	PQN	O4-C4	5.07	1.33	1.23
15	A3	846	PQN	O4-C4	5.06	1.33	1.23
15	A5	844	PQN	O4-C4	5.06	1.33	1.23
15	A2	1646	PQN	O1-C1	5.05	1.33	1.23
15	A6	1642	PQN	O4-C4	5.03	1.33	1.23
15	A1	841	PQN	O4-C4	5.02	1.33	1.23
15	A6	1642	PQN	O1-C1	5.01	1.33	1.23
15	A5	844	PQN	O1-C1	4.97	1.33	1.23
15	A3	846	PQN	O1-C1	4.95	1.33	1.23
15	B3	1844	PQN	O4-C4	4.95	1.33	1.23
15	B6	842	PQN	O4-C4	4.93	1.33	1.23
15	A1	841	PQN	O1-C1	4.92	1.33	1.23
15	B1	842	PQN	O4-C4	4.90	1.33	1.23
15	B2	841	PQN	O4-C4	4.87	1.33	1.23
15	B4	844	PQN	O4-C4	4.86	1.33	1.23
15	B5	1844	PQN	O4-C4	4.81	1.33	1.23
15	B6	842	PQN	O1-C1	4.71	1.33	1.23
15	B1	842	PQN	O1-C1	4.70	1.33	1.23
15	B5	1844	PQN	O1-C1	4.70	1.33	1.23
15	B3	1844	PQN	O1-C1	4.68	1.33	1.23
14	A4	829	CLA	C4B-NB	4.68	1.39	1.35
15	B2	841	PQN	O1-C1	4.67	1.33	1.23
15	B4	844	PQN	O1-C1	4.67	1.33	1.23
15	B6	842	PQN	C12-C13	4.64	1.44	1.33
15	B2	841	PQN	C12-C13	4.63	1.44	1.33
15	A1	841	PQN	C12-C13	4.62	1.44	1.33
15	A6	1642	PQN	C12-C13	4.61	1.44	1.33
15	A2	1646	PQN	C12-C13	4.60	1.44	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A1	829	CLA	C4B-NB	4.58	1.39	1.35
15	B4	844	PQN	C12-C13	4.58	1.44	1.33
15	A4	843	PQN	C12-C13	4.58	1.44	1.33
15	B3	1844	PQN	C12-C13	4.57	1.43	1.33
15	B1	842	PQN	C12-C13	4.55	1.43	1.33
15	A3	846	PQN	C12-C13	4.54	1.43	1.33
14	B1	806	CLA	CHC-C1C	4.54	1.46	1.35
15	B5	1844	PQN	C12-C13	4.54	1.43	1.33
14	B3	1840	CLA	CHC-C1C	4.54	1.46	1.35
14	B4	805	CLA	CHC-C1C	4.54	1.46	1.35
14	B2	837	CLA	CHC-C1C	4.54	1.46	1.35
15	A5	844	PQN	C12-C13	4.54	1.43	1.33
14	A2	1632	CLA	C4B-NB	4.53	1.39	1.35
14	B5	1840	CLA	CHC-C1C	4.51	1.46	1.35
14	B1	839	CLA	CHC-C1C	4.51	1.46	1.35
14	B3	1805	CLA	CHC-C1C	4.50	1.46	1.35
14	B6	805	CLA	CHC-C1C	4.50	1.46	1.35
17	B2	849	LHG	P-O5	4.49	1.66	1.50
14	B3	1823	CLA	CHC-C1C	4.49	1.46	1.35
14	A4	813	CLA	CHC-C1C	4.49	1.46	1.35
14	B5	1805	CLA	CHC-C1C	4.49	1.46	1.35
14	B5	1826	CLA	CHC-C1C	4.48	1.46	1.35
14	B4	826	CLA	CHC-C1C	4.47	1.46	1.35
15	B3	1844	PQN	C10-C5	4.47	1.48	1.40
14	B4	823	CLA	CHC-C1C	4.46	1.46	1.35
14	L5	204	CLA	CHC-C1C	4.46	1.46	1.35
14	B4	840	CLA	CHC-C1C	4.46	1.46	1.35
14	B1	825	CLA	CHC-C1C	4.45	1.46	1.35
14	L1	205	CLA	CHC-C1C	4.45	1.46	1.35
14	L6	206	CLA	CHC-C1C	4.45	1.46	1.35
17	X3	101	LHG	P-O5	4.45	1.66	1.50
17	B1	851	LHG	P-O5	4.44	1.66	1.50
14	B6	838	CLA	CHC-C1C	4.44	1.46	1.35
14	L4	203	CLA	CHC-C1C	4.43	1.46	1.35
14	B6	821	CLA	CHC-C1C	4.43	1.46	1.35
14	B3	1826	CLA	CHC-C1C	4.43	1.46	1.35
14	A4	829	CLA	CHC-C1C	4.43	1.46	1.35
14	A5	843	CLA	CHC-C1C	4.43	1.46	1.35
15	B6	842	PQN	C10-C5	4.43	1.48	1.40
14	L2	205	CLA	CHC-C1C	4.42	1.46	1.35
14	A3	827	CLA	CHC-C1C	4.42	1.46	1.35
14	B5	1823	CLA	CHC-C1C	4.42	1.46	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A4	824	CLA	CHC-C1C	4.41	1.46	1.35
15	B5	1844	PQN	C10-C5	4.40	1.48	1.40
14	B1	822	CLA	CHC-C1C	4.40	1.46	1.35
15	B4	844	PQN	C10-C5	4.40	1.48	1.40
14	X6	1701	CLA	CHC-C1C	4.40	1.46	1.35
14	A6	1627	CLA	CHC-C1C	4.40	1.46	1.35
14	A1	829	CLA	CHC-C1C	4.39	1.46	1.35
14	B6	803	CLA	CHC-C1C	4.39	1.46	1.35
14	A1	807	CLA	CHC-C1C	4.38	1.46	1.35
14	A3	808	CLA	CHC-C1C	4.38	1.46	1.35
14	A4	821	CLA	CHC-C1C	4.38	1.46	1.35
14	B1	835	CLA	CHC-C1C	4.38	1.46	1.35
14	A2	1616	CLA	CHC-C1C	4.38	1.46	1.35
14	B4	852	CLA	CHC-C1C	4.38	1.46	1.35
14	A2	1632	CLA	CHC-C1C	4.38	1.46	1.35
14	X4	102	CLA	CHC-C1C	4.37	1.46	1.35
14	B2	820	CLA	CHC-C1C	4.37	1.46	1.35
14	L3	203	CLA	CHC-C1C	4.37	1.46	1.35
14	A2	1610	CLA	CHC-C1C	4.37	1.46	1.35
14	B6	824	CLA	CHC-C1C	4.37	1.46	1.35
14	B5	1801	CLA	CHC-C1C	4.37	1.46	1.35
14	A5	822	CLA	CHC-C1C	4.37	1.46	1.35
14	B4	836	CLA	CHC-C1C	4.36	1.46	1.35
15	B1	842	PQN	C10-C5	4.36	1.47	1.40
14	A1	813	CLA	CHC-C1C	4.36	1.46	1.35
15	B2	841	PQN	C10-C5	4.36	1.47	1.40
14	X3	102	CLA	CHC-C1C	4.36	1.46	1.35
14	B2	823	CLA	CHC-C1C	4.36	1.46	1.35
14	B1	853	CLA	CHC-C1C	4.36	1.46	1.35
14	A5	839	CLA	CHC-C1C	4.36	1.46	1.35
14	A6	1630	CLA	CHC-C1C	4.36	1.46	1.35
14	A5	830	CLA	CHC-C1C	4.36	1.46	1.35
14	A1	821	CLA	CHC-C1C	4.35	1.46	1.35
14	A1	826	CLA	CHC-C1C	4.35	1.46	1.35
14	B1	803	CLA	CHC-C1C	4.35	1.46	1.35
14	A6	1608	CLA	CHC-C1C	4.35	1.46	1.35
14	A5	825	CLA	CHC-C1C	4.35	1.46	1.35
14	A2	1641	CLA	CHC-C1C	4.35	1.46	1.35
14	A1	819	CLA	CHC-C1C	4.35	1.46	1.35
14	X2	1701	CLA	CHC-C1C	4.35	1.46	1.35
14	A3	840	CLA	CHC-C1C	4.34	1.46	1.35
14	A5	827	CLA	CHC-C1C	4.34	1.46	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A1	824	CLA	CHC-C1C	4.34	1.46	1.35
14	B3	1825	CLA	CHC-C1C	4.34	1.46	1.35
14	A4	819	CLA	CHC-C1C	4.34	1.46	1.35
14	A4	807	CLA	CHC-C1C	4.34	1.46	1.35
14	A5	808	CLA	CHC-C1C	4.34	1.46	1.35
14	J1	101	CLA	CHC-C1C	4.34	1.46	1.35
14	A6	1614	CLA	CHC-C1C	4.33	1.46	1.35
14	A3	822	CLA	CHC-C1C	4.33	1.46	1.35
14	B4	839	CLA	CHC-C1C	4.33	1.46	1.35
14	X1	1701	CLA	CHC-C1C	4.33	1.46	1.35
14	A6	1620	CLA	CHC-C1C	4.32	1.46	1.35
14	B3	1801	CLA	CHC-C1C	4.32	1.46	1.35
14	A2	1629	CLA	CHC-C1C	4.32	1.46	1.35
14	A5	814	CLA	CHC-C1C	4.32	1.46	1.35
14	B3	1839	CLA	CHC-C1C	4.31	1.46	1.35
14	A3	830	CLA	CHC-C1C	4.31	1.46	1.35
14	X5	101	CLA	CHC-C1C	4.31	1.46	1.35
14	B5	1825	CLA	CHC-C1C	4.31	1.46	1.35
14	A4	838	CLA	CHC-C1C	4.31	1.46	1.35
14	A6	1622	CLA	CHC-C1C	4.30	1.46	1.35
14	B1	836	CLA	CHC-C1C	4.30	1.46	1.35
14	L6	207	CLA	CHC-C1C	4.30	1.46	1.35
14	A3	825	CLA	CHC-C1C	4.29	1.46	1.35
14	J5	101	CLA	CHC-C1C	4.29	1.46	1.35
14	B3	1836	CLA	CHC-C1C	4.29	1.46	1.35
14	A3	845	CLA	CHC-C1C	4.29	1.46	1.35
14	A4	826	CLA	CHC-C1C	4.29	1.46	1.35
14	L4	204	CLA	CHC-C1C	4.29	1.46	1.35
14	L5	205	CLA	CHC-C1C	4.29	1.46	1.35
14	B2	834	CLA	CHC-C1C	4.29	1.46	1.35
14	A6	1625	CLA	CHC-C1C	4.29	1.46	1.35
14	B2	803	CLA	CHC-C1C	4.28	1.46	1.35
14	B2	836	CLA	CHC-C1C	4.28	1.46	1.35
14	B5	1836	CLA	CHC-C1C	4.28	1.45	1.35
14	A3	830	CLA	C4B-NB	4.27	1.39	1.35
17	A1	848	LHG	P-O5	4.27	1.66	1.50
14	B1	838	CLA	CHC-C1C	4.27	1.45	1.35
14	B2	833	CLA	CHC-C1C	4.26	1.45	1.35
14	B5	1839	CLA	CHC-C1C	4.26	1.45	1.35
14	A6	1630	CLA	C4B-NB	4.26	1.39	1.35
14	L1	206	CLA	CHC-C1C	4.26	1.45	1.35
14	B1	824	CLA	CHC-C1C	4.26	1.45	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B6	823	CLA	CHC-C1C	4.26	1.45	1.35
14	L3	204	CLA	CHC-C1C	4.26	1.45	1.35
14	A2	1622	CLA	CHC-C1C	4.26	1.45	1.35
15	A2	1646	PQN	C10-C5	4.25	1.47	1.40
14	A2	1624	CLA	CHC-C1C	4.25	1.45	1.35
17	A2	1653	LHG	P-O5	4.25	1.66	1.50
15	A4	843	PQN	C10-C5	4.25	1.47	1.40
14	J3	101	CLA	CHC-C1C	4.25	1.45	1.35
14	B6	834	CLA	CHC-C1C	4.24	1.45	1.35
14	A5	830	CLA	C4B-NB	4.24	1.39	1.35
14	L2	206	CLA	CHC-C1C	4.24	1.45	1.35
14	A3	814	CLA	CHC-C1C	4.23	1.45	1.35
14	A1	820	CLA	CHC-C1C	4.23	1.45	1.35
14	A2	1627	CLA	CHC-C1C	4.23	1.45	1.35
14	A5	820	CLA	CHC-C1C	4.23	1.45	1.35
14	B4	837	CLA	CHC-C1C	4.22	1.45	1.35
14	B4	825	CLA	CHC-C1C	4.22	1.45	1.35
14	J2	101	CLA	CHC-C1C	4.22	1.45	1.35
14	A3	820	CLA	CHC-C1C	4.22	1.45	1.35
14	B5	1837	CLA	CHC-C1C	4.22	1.45	1.35
14	A2	1620	CLA	CHC-C1C	4.21	1.45	1.35
14	J4	101	CLA	CHC-C1C	4.21	1.45	1.35
14	A5	818	CLA	CHC-C1C	4.21	1.45	1.35
14	A5	821	CLA	CHC-C1C	4.21	1.45	1.35
14	B5	1822	CLA	CHC-C1C	4.21	1.45	1.35
15	A3	846	PQN	C10-C5	4.21	1.47	1.40
14	B6	835	CLA	CHC-C1C	4.21	1.45	1.35
14	A4	853	CLA	CHC-C1C	4.21	1.45	1.35
14	B6	837	CLA	CHC-C1C	4.20	1.45	1.35
14	B4	817	CLA	CHC-C1C	4.20	1.45	1.35
17	A4	850	LHG	P-O5	4.20	1.65	1.50
14	B1	827	CLA	CHC-C1C	4.20	1.45	1.35
14	J6	1102	CLA	CHC-C1C	4.19	1.45	1.35
15	A6	1642	PQN	C10-C5	4.19	1.47	1.40
15	A1	841	PQN	C10-C5	4.19	1.47	1.40
14	B1	816	CLA	CHC-C1C	4.19	1.45	1.35
14	F4	202	CLA	CHC-C1C	4.19	1.45	1.35
14	B5	1817	CLA	CHC-C1C	4.19	1.45	1.35
14	A1	835	CLA	CHC-C1C	4.18	1.45	1.35
14	B6	815	CLA	CHC-C1C	4.18	1.45	1.35
17	A6	1650	LHG	O7-C7	4.18	1.46	1.34
14	A1	830	CLA	CHC-C1C	4.18	1.45	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	A5	844	PQN	C10-C5	4.18	1.47	1.40
14	B6	820	CLA	CHC-C1C	4.18	1.45	1.35
14	F2	204	CLA	CHC-C1C	4.18	1.45	1.35
14	B4	826	CLA	C4B-NB	4.18	1.38	1.35
14	A4	830	CLA	CHC-C1C	4.18	1.45	1.35
14	B1	803	CLA	C4B-NB	4.18	1.38	1.35
17	A3	854	LHG	O7-C7	4.18	1.46	1.34
17	A6	1649	LHG	P-O5	4.18	1.65	1.50
14	A5	839	CLA	C4B-NB	4.17	1.38	1.35
14	J4	102	CLA	CHC-C1C	4.17	1.45	1.35
14	B3	1822	CLA	CHC-C1C	4.17	1.45	1.35
14	A6	1631	CLA	CHC-C1C	4.16	1.45	1.35
14	F3	202	CLA	CHC-C1C	4.16	1.45	1.35
14	B4	833	CLA	CHC-C1C	4.16	1.45	1.35
14	A4	840	CLA	CHC-C1C	4.16	1.45	1.35
14	A3	842	CLA	CHC-C1C	4.16	1.45	1.35
14	B4	829	CLA	CHC-C1C	4.16	1.45	1.35
17	X3	101	LHG	O7-C7	4.16	1.46	1.34
14	A1	817	CLA	CHC-C1C	4.16	1.45	1.35
14	J6	1103	CLA	CHC-C1C	4.15	1.45	1.35
14	B2	822	CLA	CHC-C1C	4.15	1.45	1.35
14	A5	831	CLA	CHC-C1C	4.15	1.45	1.35
17	A5	851	LHG	P-O5	4.15	1.65	1.50
14	A2	1633	CLA	CHC-C1C	4.15	1.45	1.35
14	A6	1601	CLA	CHC-C1C	4.15	1.45	1.35
14	B2	826	CLA	CHC-C1C	4.15	1.45	1.35
14	B2	814	CLA	CHC-C1C	4.14	1.45	1.35
14	F1	1301	CLA	CHC-C1C	4.14	1.45	1.35
14	B6	827	CLA	CHC-C1C	4.14	1.45	1.35
14	J1	102	CLA	CHC-C1C	4.14	1.45	1.35
14	F5	1301	CLA	CHC-C1C	4.14	1.45	1.35
14	B5	1828	CLA	CHC-C1C	4.14	1.45	1.35
14	A2	1601	CLA	CHC-C1C	4.14	1.45	1.35
14	B1	823	CLA	CHC-C1C	4.13	1.45	1.35
14	J3	102	CLA	CHC-C1C	4.13	1.45	1.35
14	B5	1824	CLA	CHC-C1C	4.13	1.45	1.35
17	B1	851	LHG	O7-C7	4.13	1.46	1.34
14	B6	822	CLA	CHC-C1C	4.13	1.45	1.35
17	A4	851	LHG	O7-C7	4.13	1.46	1.34
14	F2	202	CLA	CHC-C1C	4.13	1.45	1.35
14	B5	1833	CLA	CHC-C1C	4.13	1.45	1.35
14	A2	1623	CLA	CHC-C1C	4.12	1.45	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B6	826	CLA	CHC-C1C	4.12	1.45	1.35
14	A4	817	CLA	CHC-C1C	4.12	1.45	1.35
14	A1	836	CLA	CHC-C1C	4.12	1.45	1.35
14	A5	837	CLA	CHC-C1C	4.12	1.45	1.35
14	B6	831	CLA	CHC-C1C	4.12	1.45	1.35
14	B3	1817	CLA	CHC-C1C	4.11	1.45	1.35
14	F5	1301	CLA	C4B-NB	4.11	1.38	1.35
14	B1	821	CLA	CHC-C1C	4.11	1.45	1.35
14	A3	838	CLA	CHC-C1C	4.11	1.45	1.35
14	B3	1829	CLA	CHC-C1C	4.11	1.45	1.35
14	B2	816	CLA	CHC-C1C	4.11	1.45	1.35
14	B1	832	CLA	CHC-C1C	4.10	1.45	1.35
14	B2	825	CLA	CHC-C1C	4.10	1.45	1.35
14	A5	817	CLA	CHC-C1C	4.10	1.45	1.35
17	A5	852	LHG	O7-C7	4.10	1.45	1.34
14	A6	1621	CLA	CHC-C1C	4.09	1.45	1.35
14	F6	202	CLA	CHC-C1C	4.09	1.45	1.35
17	A1	849	LHG	O7-C7	4.09	1.45	1.34
14	A5	841	CLA	CHC-C1C	4.09	1.45	1.35
14	A3	818	CLA	CHC-C1C	4.09	1.45	1.35
14	J5	102	CLA	CHC-C1C	4.09	1.45	1.35
14	A2	1619	CLA	CHC-C1C	4.09	1.45	1.35
14	A6	1607	CLA	CHC-C1C	4.08	1.45	1.35
14	B2	830	CLA	CHC-C1C	4.08	1.45	1.35
14	A1	806	CLA	CHC-C1C	4.08	1.45	1.35
14	B1	833	CLA	CHC-C1C	4.08	1.45	1.35
14	B3	1837	CLA	CHC-C1C	4.08	1.45	1.35
17	X4	101	LHG	O7-C7	4.08	1.45	1.34
14	L2	205	CLA	C4B-NB	4.07	1.38	1.35
14	B3	1824	CLA	CHC-C1C	4.07	1.45	1.35
14	L5	202	CLA	CHC-C1C	4.07	1.45	1.35
14	A6	1617	CLA	CHC-C1C	4.07	1.45	1.35
17	B6	849	LHG	O7-C7	4.07	1.45	1.34
14	A2	1609	CLA	CHC-C1C	4.07	1.45	1.35
14	A3	817	CLA	CHC-C1C	4.07	1.45	1.35
14	A2	1643	CLA	CHC-C1C	4.06	1.45	1.35
14	B4	822	CLA	CHC-C1C	4.06	1.45	1.35
14	B4	828	CLA	CHC-C1C	4.06	1.45	1.35
17	A3	853	LHG	P-O5	4.06	1.65	1.50
14	B1	813	CLA	CHC-C1C	4.06	1.45	1.35
14	A6	1618	CLA	CHC-C1C	4.06	1.45	1.35
14	L1	207	CLA	CHC-C1C	4.05	1.45	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A5	838	CLA	CHC-C1C	4.05	1.45	1.35
14	A4	820	CLA	CHC-C1C	4.05	1.45	1.35
14	L3	202	CLA	CHC-C1C	4.05	1.45	1.35
14	A3	821	CLA	CHC-C1C	4.05	1.45	1.35
14	A6	1640	CLA	CHC-C1C	4.05	1.45	1.35
14	A2	1607	CLA	CHC-C1C	4.04	1.45	1.35
14	A1	816	CLA	CHC-C1C	4.04	1.45	1.35
14	A4	816	CLA	CHC-C1C	4.04	1.45	1.35
17	A2	1654	LHG	O7-C7	4.04	1.45	1.34
14	B4	819	CLA	CHC-C1C	4.04	1.45	1.35
17	B2	849	LHG	O7-C7	4.04	1.45	1.34
14	B1	818	CLA	CHC-C1C	4.04	1.45	1.35
14	B5	1814	CLA	CHC-C1C	4.04	1.45	1.35
14	A2	1639	CLA	CHC-C1C	4.03	1.45	1.35
14	A4	806	CLA	CHC-C1C	4.03	1.45	1.35
14	A4	804	CLA	CHC-C1C	4.03	1.45	1.35
14	B6	817	CLA	CHC-C1C	4.03	1.45	1.35
14	A6	1637	CLA	CHC-C1C	4.02	1.45	1.35
14	B3	1834	CLA	CHC-C1C	4.02	1.45	1.35
14	A4	838	CLA	C4B-NB	4.02	1.38	1.35
17	X5	102	LHG	O7-C7	4.02	1.45	1.34
14	A1	838	CLA	CHC-C1C	4.02	1.45	1.35
14	B1	820	CLA	CHC-C1C	4.02	1.45	1.35
14	B3	1833	CLA	CHC-C1C	4.02	1.45	1.35
14	K6	1401	CLA	CHC-C1C	4.02	1.45	1.35
14	A4	836	CLA	CHC-C1C	4.02	1.45	1.35
14	K4	1401	CLA	CHC-C1C	4.01	1.45	1.35
14	A3	807	CLA	CHC-C1C	4.01	1.45	1.35
14	K2	1401	CLA	CHC-C1C	4.01	1.45	1.35
14	A1	804	CLA	CHC-C1C	4.01	1.45	1.35
14	B5	1819	CLA	CHC-C1C	4.01	1.45	1.35
14	A5	805	CLA	CHC-C1C	4.01	1.45	1.35
14	B3	1806	CLA	CHC-C1C	4.00	1.45	1.35
14	A6	1605	CLA	CHC-C1C	4.00	1.45	1.35
14	A3	831	CLA	CHC-C1C	4.00	1.45	1.35
14	B3	1814	CLA	CHC-C1C	4.00	1.45	1.35
14	B2	829	CLA	CHC-C1C	4.00	1.45	1.35
14	B2	815	CLA	CHC-C1C	4.00	1.45	1.35
14	L3	205	CLA	CHC-C1C	4.00	1.45	1.35
14	B2	819	CLA	CHC-C1C	4.00	1.45	1.35
14	B3	1819	CLA	CHC-C1C	4.00	1.45	1.35
14	A2	1640	CLA	CHC-C1C	3.99	1.45	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	K5	102	CLA	CHC-C1C	3.99	1.45	1.35
14	B2	821	CLA	CHC-C1C	3.99	1.45	1.35
14	L5	206	CLA	CHC-C1C	3.99	1.45	1.35
14	K1	1401	CLA	CHC-C1C	3.98	1.45	1.35
14	B4	834	CLA	CHC-C1C	3.98	1.45	1.35
14	B5	1821	CLA	CHC-C1C	3.98	1.45	1.35
14	A3	840	CLA	C4B-NB	3.98	1.38	1.35
14	A4	802	CLA	CHC-C1C	3.98	1.45	1.35
14	A2	1637	CLA	CHC-C1C	3.97	1.45	1.35
14	A5	803	CLA	CHC-C1C	3.97	1.45	1.35
14	B1	828	CLA	CHC-C1C	3.97	1.45	1.35
14	B6	811	CLA	CHC-C1C	3.97	1.45	1.35
14	B4	814	CLA	CHC-C1C	3.97	1.45	1.35
14	B5	1832	CLA	CHC-C1C	3.97	1.45	1.35
14	A4	823	CLA	CHC-C1C	3.97	1.45	1.35
14	B6	832	CLA	CHC-C1C	3.97	1.45	1.35
14	B1	831	CLA	CHC-C1C	3.97	1.45	1.35
14	B6	812	CLA	CHC-C1C	3.97	1.45	1.35
14	K3	1401	CLA	CHC-C1C	3.97	1.45	1.35
14	B2	818	CLA	CHC-C1C	3.97	1.45	1.35
14	M3	1601	CLA	CHC-C1C	3.97	1.45	1.35
14	A6	1624	CLA	CHC-C1C	3.97	1.45	1.35
14	B4	818	CLA	CHC-C1C	3.97	1.45	1.35
14	B3	1828	CLA	CHC-C1C	3.97	1.45	1.35
14	A6	1638	CLA	CHC-C1C	3.96	1.45	1.35
14	A5	807	CLA	CHC-C1C	3.96	1.45	1.35
14	B6	819	CLA	CHC-C1C	3.96	1.45	1.35
17	A2	1654	LHG	P-O5	3.96	1.65	1.50
14	B4	813	CLA	CHC-C1C	3.96	1.45	1.35
14	B4	832	CLA	CHC-C1C	3.96	1.45	1.35
14	F4	202	CLA	C4B-NB	3.95	1.38	1.35
14	B6	830	CLA	CHC-C1C	3.95	1.45	1.35
14	L6	206	CLA	C4B-NB	3.95	1.38	1.35
14	A3	824	CLA	CHC-C1C	3.95	1.45	1.35
14	B2	823	CLA	C4B-NB	3.95	1.38	1.35
14	B4	811	CLA	C4B-NB	3.95	1.38	1.35
14	A3	806	CLA	CHC-C1C	3.95	1.45	1.35
14	B2	831	CLA	CHC-C1C	3.95	1.45	1.35
14	B3	1818	CLA	CHC-C1C	3.95	1.45	1.35
14	A4	834	CLA	CHC-C1C	3.95	1.45	1.35
14	L4	203	CLA	C4B-NB	3.95	1.38	1.35
14	A4	837	CLA	CHC-C1C	3.95	1.45	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B5	1813	CLA	CHC-C1C	3.95	1.45	1.35
14	B1	815	CLA	CHC-C1C	3.94	1.45	1.35
14	B3	1813	CLA	CHC-C1C	3.94	1.45	1.35
14	B5	1818	CLA	CHC-C1C	3.94	1.45	1.35
14	A2	1605	CLA	CHC-C1C	3.94	1.45	1.35
14	B5	1835	CLA	CHC-C1C	3.94	1.45	1.35
14	A3	839	CLA	CHC-C1C	3.94	1.45	1.35
14	B3	1832	CLA	CHC-C1C	3.94	1.45	1.35
14	B5	1816	CLA	CHC-C1C	3.93	1.45	1.35
14	B4	806	CLA	CHC-C1C	3.93	1.45	1.35
14	J6	1101	CLA	CHC-C1C	3.93	1.45	1.35
14	F2	202	CLA	C4B-NB	3.93	1.38	1.35
14	A5	824	CLA	CHC-C1C	3.93	1.45	1.35
14	B1	817	CLA	CHC-C1C	3.93	1.45	1.35
14	B1	834	CLA	CHC-C1C	3.93	1.45	1.35
14	B5	1829	CLA	CHC-C1C	3.93	1.45	1.35
14	B5	1834	CLA	CHC-C1C	3.93	1.45	1.35
14	B2	826	CLA	C4B-NB	3.93	1.38	1.35
14	L2	207	CLA	CHC-C1C	3.92	1.45	1.35
14	M6	1201	CLA	CHC-C1C	3.92	1.45	1.35
14	F6	202	CLA	C4B-NB	3.92	1.38	1.35
14	B2	811	CLA	CHC-C1C	3.92	1.45	1.35
14	B4	835	CLA	CHC-C1C	3.92	1.45	1.35
14	A1	802	CLA	CHC-C1C	3.92	1.45	1.35
14	A3	815	CLA	CHC-C1C	3.92	1.45	1.35
14	A4	814	CLA	CHC-C1C	3.92	1.45	1.35
14	B4	821	CLA	CHC-C1C	3.92	1.45	1.35
14	A1	823	CLA	CHC-C1C	3.91	1.45	1.35
14	B6	816	CLA	CHC-C1C	3.91	1.45	1.35
14	A5	835	CLA	CHC-C1C	3.91	1.45	1.35
14	B2	838	CLA	CHC-C1C	3.91	1.45	1.35
14	B6	813	CLA	CHC-C1C	3.91	1.45	1.35
14	M2	1201	CLA	CHC-C1C	3.91	1.45	1.35
14	B2	813	CLA	CHC-C1C	3.91	1.45	1.35
17	A4	851	LHG	P-O5	3.91	1.64	1.50
14	B2	832	CLA	CHC-C1C	3.91	1.45	1.35
14	A6	1615	CLA	CHC-C1C	3.91	1.45	1.35
14	A4	805	CLA	CHC-C1C	3.90	1.45	1.35
14	A5	804	CLA	CHC-C1C	3.90	1.45	1.35
14	A3	804	CLA	CHC-C1C	3.90	1.45	1.35
14	B4	824	CLA	CHC-C1C	3.90	1.45	1.35
14	B1	840	CLA	CHC-C1C	3.90	1.45	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B6	803	CLA	C4B-NB	3.90	1.38	1.35
14	B1	812	CLA	CHC-C1C	3.90	1.45	1.35
14	B2	835	CLA	CHC-C1C	3.90	1.45	1.35
14	A4	803	CLA	CHC-C1C	3.89	1.45	1.35
14	A3	809	CLA	CHC-C1C	3.89	1.45	1.35
14	A2	1636	CLA	CHC-C1C	3.89	1.44	1.35
14	B3	1841	CLA	CHC-C1C	3.89	1.44	1.35
14	A1	833	CLA	CHC-C1C	3.89	1.44	1.35
14	B1	814	CLA	CHC-C1C	3.89	1.44	1.35
14	L6	208	CLA	CHC-C1C	3.89	1.44	1.35
14	A3	805	CLA	CHC-C1C	3.89	1.44	1.35
14	B6	836	CLA	CHC-C1C	3.89	1.44	1.35
14	B4	816	CLA	CHC-C1C	3.89	1.44	1.35
14	B3	1821	CLA	CHC-C1C	3.88	1.44	1.35
14	A2	1645	CLA	CHC-C1C	3.88	1.44	1.35
14	A3	803	CLA	CHC-C1C	3.88	1.44	1.35
14	A3	836	CLA	CHC-C1C	3.88	1.44	1.35
17	A5	852	LHG	P-O5	3.88	1.64	1.50
14	A5	809	CLA	CHC-C1C	3.88	1.44	1.35
14	A5	806	CLA	CHC-C1C	3.88	1.44	1.35
14	A1	805	CLA	CHC-C1C	3.88	1.44	1.35
14	B5	1838	CLA	CHC-C1C	3.88	1.44	1.35
14	A4	808	CLA	CHC-C1C	3.88	1.44	1.35
14	A6	1635	CLA	CHC-C1C	3.88	1.44	1.35
14	A2	1626	CLA	CHC-C1C	3.88	1.44	1.35
14	M1	1201	CLA	CHC-C1C	3.88	1.44	1.35
17	A1	849	LHG	P-O5	3.88	1.64	1.50
14	B6	839	CLA	CHC-C1C	3.87	1.44	1.35
14	K5	101	CLA	CHC-C1C	3.87	1.44	1.35
14	B3	1815	CLA	CHC-C1C	3.87	1.44	1.35
14	B6	814	CLA	CHC-C1C	3.87	1.44	1.35
14	B6	833	CLA	CHC-C1C	3.87	1.44	1.35
14	L5	204	CLA	C4B-NB	3.87	1.38	1.35
14	A5	815	CLA	CHC-C1C	3.87	1.44	1.35
14	A1	832	CLA	CHC-C1C	3.87	1.44	1.35
14	A6	1604	CLA	CHC-C1C	3.87	1.44	1.35
14	A6	1606	CLA	CHC-C1C	3.87	1.44	1.35
14	L4	205	CLA	CHC-C1C	3.87	1.44	1.35
14	B5	1806	CLA	CHC-C1C	3.86	1.44	1.35
14	B2	810	CLA	CHC-C1C	3.86	1.44	1.35
14	B3	1816	CLA	CHC-C1C	3.86	1.44	1.35
14	A2	1641	CLA	C4B-NB	3.86	1.38	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A1	803	CLA	CHC-C1C	3.86	1.44	1.35
14	B1	837	CLA	CHC-C1C	3.86	1.44	1.35
14	F1	1301	CLA	C4B-NB	3.86	1.38	1.35
14	A1	814	CLA	CHC-C1C	3.86	1.44	1.35
14	A3	844	CLA	CHC-C1C	3.86	1.44	1.35
14	A5	834	CLA	CHC-C1C	3.86	1.44	1.35
17	A3	854	LHG	P-O5	3.85	1.64	1.50
14	A6	1641	CLA	CHC-C1C	3.85	1.44	1.35
14	A2	1608	CLA	CHC-C1C	3.85	1.44	1.35
14	A4	801	CLA	CHC-C1C	3.85	1.44	1.35
14	B5	1841	CLA	CHC-C1C	3.85	1.44	1.35
14	A4	833	CLA	CHC-C1C	3.84	1.44	1.35
14	A4	810	CLA	CHC-C1C	3.84	1.44	1.35
14	B4	815	CLA	CHC-C1C	3.84	1.44	1.35
14	A2	1617	CLA	CHC-C1C	3.84	1.44	1.35
14	A2	1606	CLA	CHC-C1C	3.83	1.44	1.35
14	A1	840	CLA	CHC-C1C	3.83	1.44	1.35
14	A3	835	CLA	CHC-C1C	3.83	1.44	1.35
14	B3	1826	CLA	C4B-NB	3.83	1.38	1.35
14	A2	1631	CLA	CHC-C1C	3.83	1.44	1.35
14	A4	842	CLA	CHC-C1C	3.83	1.44	1.35
14	B3	1835	CLA	CHC-C1C	3.83	1.44	1.35
14	B3	1837	CLA	C4B-NB	3.83	1.38	1.35
14	A4	809	CLA	CHC-C1C	3.83	1.44	1.35
17	A6	1650	LHG	P-O5	3.83	1.64	1.50
14	A6	1634	CLA	CHC-C1C	3.82	1.44	1.35
14	A2	1611	CLA	CHC-C1C	3.82	1.44	1.35
14	A6	1611	CLA	CHC-C1C	3.82	1.44	1.35
14	B5	1815	CLA	CHC-C1C	3.82	1.44	1.35
14	B4	838	CLA	CHC-C1C	3.81	1.44	1.35
14	B6	808	CLA	CHC-C1C	3.81	1.44	1.35
14	A1	809	CLA	CHC-C1C	3.81	1.44	1.35
14	A4	828	CLA	CHC-C1C	3.81	1.44	1.35
14	A3	811	CLA	CHC-C1C	3.81	1.44	1.35
14	B3	1838	CLA	CHC-C1C	3.81	1.44	1.35
14	B6	827	CLA	C4B-NB	3.80	1.38	1.35
14	A6	1616	CLA	CHC-C1C	3.80	1.44	1.35
14	B2	807	CLA	CHC-C1C	3.80	1.44	1.35
14	A6	1602	CLA	CHC-C1C	3.79	1.44	1.35
14	B1	805	CLA	C4B-NB	3.79	1.38	1.35
14	A1	810	CLA	CHC-C1C	3.79	1.44	1.35
14	B2	812	CLA	CHC-C1C	3.79	1.44	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A2	1615	CLA	CHC-C1C	3.78	1.44	1.35
14	B1	805	CLA	CHC-C1C	3.78	1.44	1.35
14	A6	1651	CLA	CHC-C1C	3.78	1.44	1.35
14	A4	815	CLA	CHC-C1C	3.78	1.44	1.35
14	B5	1826	CLA	C4B-NB	3.77	1.38	1.35
14	F2	204	CLA	C4B-NB	3.77	1.38	1.35
14	L3	203	CLA	C4B-NB	3.77	1.38	1.35
14	B6	835	CLA	C4B-NB	3.77	1.38	1.35
14	A5	811	CLA	CHC-C1C	3.77	1.44	1.35
19	B4	851	LMG	O8-C28	3.77	1.44	1.33
14	A2	1618	CLA	CHC-C1C	3.77	1.44	1.35
14	B4	841	CLA	CHC-C1C	3.77	1.44	1.35
14	A1	808	CLA	CHC-C1C	3.77	1.44	1.35
14	B1	826	CLA	CHC-C1C	3.77	1.44	1.35
14	A6	1609	CLA	CHC-C1C	3.77	1.44	1.35
14	B2	834	CLA	C4B-NB	3.77	1.38	1.35
14	B4	804	CLA	CHC-C1C	3.76	1.44	1.35
14	A2	1613	CLA	CHC-C1C	3.76	1.44	1.35
14	A5	810	CLA	CHC-C1C	3.76	1.44	1.35
14	A1	828	CLA	CHC-C1C	3.76	1.44	1.35
14	A2	1602	CLA	CHC-C1C	3.76	1.44	1.35
14	B5	1802	CLA	CHC-C1C	3.76	1.44	1.35
14	A6	1610	CLA	CHC-C1C	3.76	1.44	1.35
14	A4	812	CLA	CHC-C1C	3.76	1.44	1.35
14	F3	202	CLA	C4B-NB	3.75	1.38	1.35
14	A1	801	CLA	CHC-C1C	3.75	1.44	1.35
14	B3	1802	CLA	CHC-C1C	3.75	1.44	1.35
14	A3	810	CLA	CHC-C1C	3.75	1.44	1.35
14	A1	811	CLA	CHC-C1C	3.75	1.44	1.35
17	A4	851	LHG	O8-C23	3.75	1.44	1.33
14	B5	1810	CLA	CHC-C1C	3.75	1.44	1.35
14	A5	829	CLA	CHC-C1C	3.74	1.44	1.35
14	B5	1827	CLA	CHC-C1C	3.74	1.44	1.35
14	A5	823	CLA	CHC-C1C	3.74	1.44	1.35
14	A1	816	CLA	C4B-NB	3.74	1.38	1.35
14	A3	816	CLA	CHC-C1C	3.74	1.44	1.35
14	A4	801	CLA	C4B-NB	3.73	1.38	1.35
14	A6	1613	CLA	CHC-C1C	3.73	1.44	1.35
14	A6	1623	CLA	CHC-C1C	3.73	1.44	1.35
14	B3	1804	CLA	CHC-C1C	3.73	1.44	1.35
14	A2	1612	CLA	CHC-C1C	3.73	1.44	1.35
14	J4	102	CLA	C4B-NB	3.73	1.38	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B5	1804	CLA	CHC-C1C	3.73	1.44	1.35
14	A3	829	CLA	CHC-C1C	3.73	1.44	1.35
14	A3	801	CLA	CHC-C1C	3.73	1.44	1.35
14	L1	205	CLA	C4B-NB	3.72	1.38	1.35
14	A1	815	CLA	CHC-C1C	3.72	1.44	1.35
14	B3	1827	CLA	CHC-C1C	3.72	1.44	1.35
14	A4	822	CLA	CHC-C1C	3.72	1.44	1.35
19	B5	1851	LMG	O8-C28	3.72	1.44	1.33
14	A1	828	CLA	C4B-NB	3.72	1.38	1.35
14	B3	1810	CLA	CHC-C1C	3.72	1.44	1.35
14	A5	801	CLA	CHC-C1C	3.72	1.44	1.35
14	B4	810	CLA	CHC-C1C	3.72	1.44	1.35
14	B4	802	CLA	CHC-C1C	3.71	1.44	1.35
14	A5	816	CLA	CHC-C1C	3.71	1.44	1.35
14	A6	1629	CLA	CHC-C1C	3.71	1.44	1.35
19	B1	850	LMG	O8-C28	3.71	1.44	1.33
14	A3	813	CLA	CHC-C1C	3.71	1.44	1.35
17	A5	851	LHG	O8-C23	3.71	1.44	1.33
14	B2	802	CLA	CHC-C1C	3.70	1.44	1.35
14	B1	810	CLA	CHC-C1C	3.70	1.44	1.35
14	A1	812	CLA	CHC-C1C	3.70	1.44	1.35
14	B1	802	CLA	CHC-C1C	3.70	1.44	1.35
17	A1	849	LHG	O8-C23	3.69	1.44	1.33
14	A5	817	CLA	C4B-NB	3.69	1.38	1.35
14	B5	1804	CLA	C4B-NB	3.69	1.38	1.35
14	B1	825	CLA	C4B-NB	3.69	1.38	1.35
14	A5	813	CLA	CHC-C1C	3.69	1.44	1.35
14	B5	1807	CLA	CHC-C1C	3.68	1.44	1.35
14	B5	1811	CLA	C4B-NB	3.68	1.38	1.35
14	A2	1614	CLA	CHC-C1C	3.68	1.44	1.35
14	A2	1604	CLA	CHC-C1C	3.68	1.44	1.35
19	B3	1850	LMG	O8-C28	3.68	1.44	1.33
14	A4	811	CLA	CHC-C1C	3.68	1.44	1.35
19	B6	848	LMG	O8-C28	3.68	1.44	1.33
14	B1	836	CLA	C4B-NB	3.67	1.38	1.35
19	B2	848	LMG	O8-C28	3.67	1.44	1.33
14	A5	812	CLA	CHC-C1C	3.67	1.44	1.35
14	A3	817	CLA	C4B-NB	3.66	1.38	1.35
14	B4	827	CLA	CHC-C1C	3.66	1.44	1.35
14	B2	824	CLA	CHC-C1C	3.66	1.44	1.35
14	A1	808	CLA	C4B-NB	3.66	1.38	1.35
14	B6	825	CLA	CHC-C1C	3.66	1.44	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A3	812	CLA	CHC-C1C	3.66	1.44	1.35
14	A3	823	CLA	CHC-C1C	3.66	1.44	1.35
14	B1	830	CLA	CHC-C1C	3.66	1.44	1.35
15	A5	844	PQN	C2M-C2	-3.65	1.43	1.50
17	A1	848	LHG	O8-C23	3.65	1.44	1.33
17	A2	1654	LHG	O8-C23	3.65	1.44	1.33
17	A6	1650	LHG	O8-C23	3.65	1.44	1.33
14	B4	837	CLA	C4B-NB	3.65	1.38	1.35
14	B5	1820	CLA	CHC-C1C	3.64	1.44	1.35
15	A1	841	PQN	C2M-C2	-3.64	1.43	1.50
17	A2	1653	LHG	O8-C23	3.64	1.44	1.33
14	B1	828	CLA	C4B-NB	3.64	1.38	1.35
14	A6	1603	CLA	CHC-C1C	3.64	1.44	1.35
14	B5	1831	CLA	CHC-C1C	3.64	1.44	1.35
14	A5	802	CLA	CHC-C1C	3.64	1.44	1.35
14	B2	827	CLA	CHC-C1C	3.63	1.44	1.35
14	X4	102	CLA	MG-NA	3.63	2.14	2.06
14	B6	829	CLA	CHC-C1C	3.63	1.44	1.35
14	A2	1602	CLA	C4B-NB	3.63	1.38	1.35
14	B4	831	CLA	CHC-C1C	3.63	1.44	1.35
15	A6	1642	PQN	C2M-C2	-3.63	1.43	1.50
14	A2	1625	CLA	CHC-C1C	3.62	1.44	1.35
14	A5	829	CLA	C4B-NB	3.62	1.38	1.35
14	X4	102	CLA	C4B-NB	3.62	1.38	1.35
14	B1	829	CLA	CHC-C1C	3.61	1.44	1.35
14	B2	808	CLA	C4B-NB	3.61	1.38	1.35
14	A2	1619	CLA	C4B-NB	3.61	1.38	1.35
14	A4	813	CLA	C4B-NB	3.60	1.38	1.35
14	B3	1830	CLA	CHC-C1C	3.60	1.44	1.35
14	A1	822	CLA	CHC-C1C	3.60	1.44	1.35
14	X6	1701	CLA	C4B-NB	3.60	1.38	1.35
17	A6	1649	LHG	O8-C23	3.59	1.43	1.33
14	B3	1831	CLA	CHC-C1C	3.59	1.44	1.35
14	X5	101	CLA	C4B-NB	3.59	1.38	1.35
14	B6	828	CLA	CHC-C1C	3.59	1.44	1.35
14	X2	1701	CLA	C4B-NB	3.59	1.38	1.35
14	B3	1808	CLA	CHC-C1C	3.59	1.44	1.35
14	B6	807	CLA	CHC-C1C	3.58	1.44	1.35
14	A4	828	CLA	C4B-NB	3.58	1.38	1.35
14	B1	835	CLA	C4B-NB	3.58	1.38	1.35
14	B6	806	CLA	CHC-C1C	3.58	1.44	1.35
15	A2	1646	PQN	C2M-C2	-3.58	1.43	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B3	1820	CLA	CHC-C1C	3.58	1.44	1.35
14	B6	824	CLA	C4B-NB	3.58	1.38	1.35
14	X2	1701	CLA	MG-NA	3.58	2.14	2.06
17	A5	852	LHG	O8-C23	3.58	1.43	1.33
14	B1	801	CLA	CHC-C1C	3.58	1.44	1.35
16	B3	1845	BCR	C30-C25	3.57	1.58	1.53
14	B5	1843	CLA	CHC-C1C	3.57	1.44	1.35
14	A6	1612	CLA	CHC-C1C	3.57	1.44	1.35
14	A4	827	CLA	CHC-C1C	3.57	1.44	1.35
14	B1	807	CLA	CHC-C1C	3.57	1.44	1.35
14	A4	825	CLA	CHC-C1C	3.57	1.44	1.35
14	B5	1808	CLA	CHC-C1C	3.57	1.44	1.35
14	B3	1843	CLA	CHC-C1C	3.57	1.44	1.35
14	A1	825	CLA	CHC-C1C	3.56	1.44	1.35
14	B5	1830	CLA	CHC-C1C	3.56	1.44	1.35
14	B1	819	CLA	CHC-C1C	3.56	1.44	1.35
14	B3	1829	CLA	C4B-NB	3.56	1.38	1.35
15	A3	846	PQN	C2M-C2	-3.55	1.43	1.50
14	B4	801	CLA	CHC-C1C	3.55	1.44	1.35
14	A2	1603	CLA	CHC-C1C	3.55	1.44	1.35
14	A5	826	CLA	CHC-C1C	3.55	1.44	1.35
14	B6	818	CLA	CHC-C1C	3.55	1.44	1.35
14	B4	820	CLA	CHC-C1C	3.55	1.44	1.35
14	A3	826	CLA	CHC-C1C	3.55	1.44	1.35
14	A2	1631	CLA	C4B-NB	3.55	1.38	1.35
15	A4	843	PQN	C2M-C2	-3.55	1.43	1.50
16	B4	845	BCR	C30-C25	3.55	1.58	1.53
16	B1	843	BCR	C30-C25	3.55	1.58	1.53
14	B2	828	CLA	CHC-C1C	3.55	1.44	1.35
14	A1	809	CLA	C4B-NB	3.54	1.38	1.35
14	B6	804	CLA	CHC-C1C	3.54	1.44	1.35
14	B2	805	CLA	CHC-C1C	3.54	1.44	1.35
14	A6	1626	CLA	CHC-C1C	3.54	1.44	1.35
14	B4	803	CLA	CHC-C1C	3.54	1.44	1.35
14	B3	1803	CLA	CHC-C1C	3.54	1.44	1.35
14	B1	811	CLA	C4B-NB	3.54	1.38	1.35
14	B1	841	CLA	CHC-C1C	3.54	1.44	1.35
17	A4	850	LHG	O8-C23	3.54	1.43	1.33
14	B4	808	CLA	CHC-C1C	3.53	1.44	1.35
14	B4	830	CLA	CHC-C1C	3.53	1.44	1.35
16	B1	844	BCR	C1-C6	3.53	1.58	1.53
15	B2	841	PQN	C2M-C2	-3.53	1.43	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A2	1628	CLA	CHC-C1C	3.52	1.44	1.35
14	B6	802	CLA	CHC-C1C	3.52	1.44	1.35
14	A3	828	CLA	CHC-C1C	3.52	1.44	1.35
14	A3	801	CLA	C4B-NB	3.52	1.38	1.35
14	B1	804	CLA	CHC-C1C	3.52	1.44	1.35
16	B4	846	BCR	C1-C6	3.52	1.58	1.53
14	B2	817	CLA	CHC-C1C	3.52	1.44	1.35
17	A3	854	LHG	O8-C23	3.51	1.43	1.33
14	A3	802	CLA	CHC-C1C	3.51	1.44	1.35
15	B6	842	PQN	C2M-C2	-3.51	1.43	1.50
14	J1	102	CLA	MG-NA	3.51	2.14	2.06
15	B3	1844	PQN	C2M-C2	-3.51	1.43	1.50
14	B6	809	CLA	C4B-NB	3.51	1.38	1.35
14	A1	818	CLA	CHC-C1C	3.51	1.44	1.35
14	B4	843	CLA	CHC-C1C	3.50	1.43	1.35
15	B5	1844	PQN	C2M-C2	-3.50	1.43	1.50
14	L4	201	CLA	CHC-C1C	3.50	1.43	1.35
17	B1	851	LHG	P-O6	3.50	1.73	1.59
17	X3	101	LHG	P-O6	3.50	1.73	1.59
14	A1	801	CLA	C4B-NB	3.50	1.38	1.35
17	X5	102	LHG	P-O6	3.50	1.73	1.59
14	A1	837	CLA	CHC-C1C	3.50	1.43	1.35
14	B1	808	CLA	CHC-C1C	3.50	1.43	1.35
14	L1	202	CLA	CHC-C1C	3.49	1.43	1.35
14	B6	841	CLA	CHC-C1C	3.49	1.43	1.35
14	B5	1803	CLA	CHC-C1C	3.49	1.43	1.35
15	B1	842	PQN	C2M-C2	-3.49	1.43	1.50
14	B5	1805	CLA	C4B-NB	3.49	1.38	1.35
14	J3	102	CLA	C4B-NB	3.49	1.38	1.35
14	B3	1807	CLA	CHC-C1C	3.48	1.43	1.35
14	A6	1617	CLA	C4B-NB	3.48	1.38	1.35
14	A6	1602	CLA	C4B-NB	3.48	1.38	1.35
14	A5	828	CLA	CHC-C1C	3.48	1.43	1.35
14	A6	1628	CLA	CHC-C1C	3.48	1.43	1.35
14	A4	816	CLA	C4B-NB	3.48	1.38	1.35
14	A2	1630	CLA	CHC-C1C	3.48	1.43	1.35
14	B2	801	CLA	CHC-C1C	3.48	1.43	1.35
14	B5	1829	CLA	C4B-NB	3.48	1.38	1.35
14	B3	1834	CLA	C4B-NB	3.47	1.38	1.35
14	L6	206	CLA	MG-NA	3.47	2.14	2.06
17	A3	853	LHG	O8-C23	3.47	1.43	1.33
14	B5	1837	CLA	C4B-NB	3.47	1.38	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	L5	203	CLA	CHC-C1C	3.47	1.43	1.35
16	B6	843	BCR	C30-C25	3.47	1.58	1.53
15	B4	844	PQN	C2M-C2	-3.47	1.43	1.50
14	B5	1803	CLA	C4B-NB	3.47	1.38	1.35
14	B4	807	CLA	CHC-C1C	3.46	1.43	1.35
14	X1	1701	CLA	C4B-NB	3.46	1.38	1.35
14	B5	1834	CLA	C4B-NB	3.46	1.38	1.35
14	B2	840	CLA	CHC-C1C	3.46	1.43	1.35
14	A3	834	CLA	CHC-C1C	3.46	1.43	1.35
14	A4	818	CLA	CHC-C1C	3.46	1.43	1.35
14	A6	1633	CLA	CHC-C1C	3.46	1.43	1.35
16	B5	1846	BCR	C1-C6	3.46	1.58	1.53
17	B6	849	LHG	P-O6	3.45	1.73	1.59
17	B2	849	LHG	P-O6	3.45	1.73	1.59
14	A2	1642	CLA	CHC-C1C	3.45	1.43	1.35
14	A4	809	CLA	C4B-NB	3.45	1.38	1.35
14	B4	836	CLA	C4B-NB	3.45	1.38	1.35
14	L2	202	CLA	CHC-C1C	3.44	1.43	1.35
14	B3	1811	CLA	C4B-NB	3.44	1.38	1.35
14	A4	839	CLA	CHC-C1C	3.44	1.43	1.35
14	A5	819	CLA	CHC-C1C	3.44	1.43	1.35
16	B3	1846	BCR	C1-C6	3.44	1.58	1.53
14	A5	840	CLA	CHC-C1C	3.44	1.43	1.35
14	X3	102	CLA	C4B-NB	3.43	1.38	1.35
14	A3	841	CLA	CHC-C1C	3.43	1.43	1.35
16	B6	844	BCR	C1-C6	3.43	1.58	1.53
14	B2	820	CLA	MG-NA	3.43	2.14	2.06
14	B6	832	CLA	C4B-NB	3.43	1.38	1.35
14	B2	804	CLA	CHC-C1C	3.42	1.43	1.35
14	A2	1621	CLA	CHC-C1C	3.41	1.43	1.35
14	B1	832	CLA	C4B-NB	3.41	1.38	1.35
14	B2	833	CLA	C4B-NB	3.41	1.38	1.35
14	B1	806	CLA	C4B-NB	3.40	1.38	1.35
14	A5	801	CLA	C4B-NB	3.40	1.38	1.35
17	A1	848	LHG	O7-C7	3.40	1.43	1.34
16	B5	1845	BCR	C30-C25	3.40	1.58	1.53
14	A1	831	CLA	C1D-ND	3.40	1.42	1.37
14	B2	802	CLA	C4B-NB	3.39	1.38	1.35
14	A4	801	CLA	OBD-CAD	3.39	1.28	1.22
14	B5	1825	CLA	C4B-NB	3.39	1.38	1.35
14	A1	827	CLA	CHC-C1C	3.39	1.43	1.35
14	B6	840	CLA	CHC-C1C	3.39	1.43	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	B2	843	BCR	C1-C6	3.39	1.58	1.53
17	X4	101	LHG	P-O6	3.38	1.73	1.59
14	A4	806	CLA	C4B-NB	3.38	1.38	1.35
14	A6	1651	CLA	C4B-NB	3.38	1.38	1.35
17	A5	851	LHG	O7-C7	3.38	1.43	1.34
14	B1	824	CLA	C4B-NB	3.38	1.38	1.35
14	B1	833	CLA	C4B-NB	3.37	1.38	1.35
14	B2	839	CLA	CHC-C1C	3.37	1.43	1.35
14	X1	1701	CLA	MG-NA	3.37	2.14	2.06
14	L5	202	CLA	O2D-CGD	3.37	1.41	1.33
14	A3	832	CLA	CHC-C1C	3.37	1.43	1.35
14	A3	819	CLA	CHC-C1C	3.37	1.43	1.35
14	B4	823	CLA	MG-NA	3.37	2.14	2.06
14	B3	1801	CLA	C4B-NB	3.36	1.38	1.35
14	L1	201	CLA	CHC-C1C	3.36	1.43	1.35
14	A5	832	CLA	CHC-C1C	3.36	1.43	1.35
17	A4	850	LHG	O7-C7	3.36	1.43	1.34
14	J3	102	CLA	MG-NA	3.36	2.14	2.06
14	A6	1639	CLA	CHC-C1C	3.36	1.43	1.35
17	A2	1653	LHG	O7-C7	3.36	1.43	1.34
14	A5	810	CLA	C4B-NB	3.36	1.38	1.35
14	A2	1644	CLA	CHC-C1C	3.35	1.43	1.35
14	L3	202	CLA	O2D-CGD	3.35	1.41	1.33
14	L5	204	CLA	MG-NA	3.35	2.14	2.06
14	A2	1601	CLA	C4B-NB	3.35	1.38	1.35
14	B3	1842	CLA	CHC-C1C	3.35	1.43	1.35
14	A3	829	CLA	C4B-NB	3.35	1.38	1.35
14	L1	205	CLA	MG-NA	3.35	2.14	2.06
14	M3	1601	CLA	O2D-CGD	3.35	1.41	1.33
14	L2	205	CLA	MG-NA	3.34	2.14	2.06
14	X3	102	CLA	MG-NA	3.34	2.14	2.06
14	A4	841	CLA	CHC-C1C	3.34	1.43	1.35
14	L6	202	CLA	CHC-C1C	3.34	1.43	1.35
16	B2	842	BCR	C30-C25	3.33	1.58	1.53
14	A4	837	CLA	MG-NA	3.33	2.14	2.06
14	L3	203	CLA	MG-NA	3.33	2.14	2.06
14	A4	835	CLA	CHC-C1C	3.33	1.43	1.35
14	A1	834	CLA	CHC-C1C	3.33	1.43	1.35
14	A2	1601	CLA	O2D-CGD	3.33	1.41	1.33
14	A4	808	CLA	C4B-NB	3.33	1.38	1.35
14	K4	1401	CLA	C4B-NB	3.33	1.38	1.35
14	A4	831	CLA	CHC-C1C	3.33	1.43	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B6	836	CLA	C4B-NB	3.32	1.38	1.35
14	A4	853	CLA	C4B-NB	3.32	1.38	1.35
16	L1	209	BCR	C1-C6	3.32	1.58	1.53
14	B2	808	CLA	CHC-C1C	3.32	1.43	1.35
14	A2	1640	CLA	MG-NA	3.32	2.14	2.06
14	L6	208	CLA	C4B-NB	3.32	1.38	1.35
14	B3	1823	CLA	MG-NA	3.32	2.14	2.06
14	B5	1842	CLA	CHC-C1C	3.32	1.43	1.35
14	B6	811	CLA	C4B-NB	3.31	1.38	1.35
14	J4	102	CLA	MG-NA	3.31	2.14	2.06
14	A3	845	CLA	MG-NA	3.31	2.14	2.06
14	B4	829	CLA	C4B-NB	3.31	1.38	1.35
14	A2	1634	CLA	CHC-C1C	3.31	1.43	1.35
14	B3	1804	CLA	C4B-NB	3.30	1.38	1.35
14	L6	203	CLA	CHC-C1C	3.30	1.43	1.35
14	J6	1103	CLA	C4B-NB	3.30	1.38	1.35
14	A1	813	CLA	C4B-NB	3.30	1.38	1.35
14	B4	805	CLA	C4B-NB	3.30	1.38	1.35
14	A5	830	CLA	MG-NA	3.30	2.14	2.06
14	B2	835	CLA	C4B-NB	3.30	1.38	1.35
14	A3	843	CLA	CHC-C1C	3.30	1.43	1.35
14	J5	102	CLA	MG-NA	3.30	2.14	2.06
17	A6	1649	LHG	O7-C7	3.29	1.43	1.34
14	B5	1801	CLA	C4B-NB	3.29	1.38	1.35
14	B5	1813	CLA	C4B-NB	3.29	1.38	1.35
14	B5	1833	CLA	C4B-NB	3.29	1.38	1.35
14	A6	1619	CLA	CHC-C1C	3.29	1.43	1.35
14	A6	1629	CLA	C4B-NB	3.29	1.38	1.35
14	A5	843	CLA	C4B-NB	3.29	1.38	1.35
14	A1	839	CLA	CHC-C1C	3.29	1.43	1.35
14	B1	811	CLA	CHC-C1C	3.29	1.43	1.35
14	A1	820	CLA	C3D-C4D	-3.29	1.36	1.44
14	J6	1103	CLA	MG-NA	3.29	2.14	2.06
14	L2	207	CLA	C4B-NB	3.29	1.38	1.35
14	A5	833	CLA	C1D-ND	3.28	1.41	1.37
16	L5	201	BCR	C1-C6	3.28	1.58	1.53
14	B5	1823	CLA	C4B-NB	3.28	1.38	1.35
14	A1	806	CLA	C4B-NB	3.28	1.38	1.35
14	J1	102	CLA	C4B-NB	3.27	1.38	1.35
14	B6	816	CLA	MG-NA	3.27	2.14	2.06
14	B2	825	CLA	C3D-C4D	-3.27	1.36	1.44
14	B3	1805	CLA	C4B-NB	3.27	1.38	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A4	853	CLA	O2D-CGD	3.27	1.41	1.33
14	F2	202	CLA	MG-NA	3.27	2.14	2.06
14	A6	1601	CLA	O2D-CGD	3.27	1.41	1.33
14	B1	822	CLA	MG-NA	3.27	2.14	2.06
14	B1	818	CLA	C4B-NB	3.27	1.38	1.35
14	A3	810	CLA	C4B-NB	3.27	1.38	1.35
14	A5	803	CLA	C4B-NB	3.27	1.38	1.35
14	B5	1823	CLA	MG-NA	3.26	2.14	2.06
14	B6	821	CLA	MG-NA	3.26	2.14	2.06
17	X4	101	LHG	P-O3	3.26	1.72	1.59
14	A5	802	CLA	C3D-C4D	-3.26	1.36	1.44
14	M3	1601	CLA	C4B-NB	3.26	1.38	1.35
14	B5	1836	CLA	C4B-NB	3.26	1.38	1.35
14	X6	1701	CLA	MG-NA	3.26	2.14	2.06
14	L2	205	CLA	C1D-ND	3.26	1.41	1.37
14	B4	842	CLA	CHC-C1C	3.26	1.43	1.35
14	B4	811	CLA	CHC-C1C	3.26	1.43	1.35
14	B3	1818	CLA	MG-NA	3.26	2.14	2.06
14	A5	809	CLA	C4B-NB	3.26	1.38	1.35
14	F2	204	CLA	MG-NA	3.26	2.14	2.06
14	B5	1825	CLA	MG-NA	3.26	2.14	2.06
14	B3	1825	CLA	MG-NA	3.25	2.14	2.06
14	A4	813	CLA	MG-NA	3.25	2.14	2.06
14	I1	101	CLA	CHC-C1C	3.25	1.43	1.35
14	B4	838	CLA	C4B-NB	3.25	1.38	1.35
14	K6	1401	CLA	C4B-NB	3.25	1.38	1.35
14	B1	806	CLA	CHD-C1D	3.25	1.44	1.38
14	A5	842	CLA	CHC-C1C	3.25	1.43	1.35
14	B4	804	CLA	MG-NA	3.25	2.14	2.06
14	A2	1616	CLA	C4B-NB	3.25	1.38	1.35
14	A3	845	CLA	C4B-NB	3.25	1.38	1.35
14	B1	853	CLA	C4B-NB	3.24	1.38	1.35
14	A4	815	CLA	C4B-NB	3.24	1.38	1.35
14	B6	834	CLA	C4B-NB	3.24	1.38	1.35
17	A3	853	LHG	O7-C7	3.24	1.43	1.34
14	A5	843	CLA	MG-NA	3.24	2.14	2.06
14	A2	1627	CLA	MG-NA	3.24	2.14	2.06
14	A2	1635	CLA	C1D-ND	3.24	1.41	1.37
14	A3	833	CLA	C1D-ND	3.24	1.41	1.37
14	B6	821	CLA	C4B-NB	3.23	1.38	1.35
14	A2	1623	CLA	C3D-C4D	-3.23	1.36	1.44
14	A3	821	CLA	C3D-C4D	-3.23	1.36	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	K1	1401	CLA	C4B-NB	3.23	1.38	1.35
14	B6	824	CLA	MG-NA	3.23	2.13	2.06
14	B5	1817	CLA	C4B-NB	3.23	1.38	1.35
14	B2	831	CLA	C4B-NB	3.23	1.38	1.35
14	B3	1808	CLA	C3D-C4D	-3.23	1.36	1.44
14	A1	836	CLA	C1D-ND	3.22	1.41	1.37
14	B2	807	CLA	C4B-NB	3.22	1.38	1.35
14	B2	822	CLA	MG-NA	3.22	2.13	2.06
14	A5	836	CLA	CHC-C1C	3.22	1.43	1.35
14	B2	803	CLA	CHD-C1D	3.22	1.44	1.38
14	L3	203	CLA	C1D-ND	3.22	1.41	1.37
14	L4	205	CLA	C4B-NB	3.22	1.38	1.35
14	J5	102	CLA	C4B-NB	3.22	1.38	1.35
14	A1	829	CLA	MG-NA	3.22	2.13	2.06
14	B5	1819	CLA	C4B-NB	3.22	1.38	1.35
14	A5	838	CLA	C1D-ND	3.22	1.41	1.37
14	B4	852	CLA	MG-NA	3.22	2.13	2.06
16	A1	845	BCR	C30-C25	3.21	1.58	1.53
14	B6	805	CLA	C4B-NB	3.21	1.38	1.35
14	B5	1841	CLA	C3D-C4D	-3.21	1.36	1.44
14	A1	831	CLA	CHC-C1C	3.21	1.43	1.35
14	B1	829	CLA	C4B-NB	3.21	1.38	1.35
14	B3	1836	CLA	C4B-NB	3.21	1.38	1.35
14	B6	835	CLA	MG-NA	3.21	2.13	2.06
14	B3	1803	CLA	C4B-NB	3.21	1.38	1.35
14	B5	1829	CLA	OBD-CAD	3.21	1.28	1.22
14	B3	1825	CLA	C4B-NB	3.21	1.38	1.35
14	B3	1801	CLA	MG-NA	3.21	2.13	2.06
14	A5	837	CLA	C1D-ND	3.21	1.41	1.37
14	B4	834	CLA	C4B-NB	3.21	1.38	1.35
17	X3	101	LHG	P-O3	3.21	1.72	1.59
14	A2	1609	CLA	C4B-NB	3.21	1.38	1.35
14	A3	837	CLA	CHC-C1C	3.20	1.43	1.35
14	A1	826	CLA	C3D-C4D	-3.20	1.37	1.44
14	L5	206	CLA	C4B-NB	3.20	1.38	1.35
14	A1	836	CLA	MG-NA	3.20	2.13	2.06
14	B4	823	CLA	C4B-NB	3.19	1.38	1.35
14	B1	801	CLA	C3D-C4D	-3.19	1.37	1.44
14	B3	1823	CLA	C4B-NB	3.19	1.38	1.35
14	B5	1831	CLA	MG-NA	3.19	2.13	2.06
14	L4	203	CLA	C1D-ND	3.19	1.41	1.37
14	B4	852	CLA	C4B-NB	3.19	1.38	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A6	1625	CLA	MG-NA	3.19	2.13	2.06
14	A6	1610	CLA	C4B-NB	3.19	1.38	1.35
14	B3	1833	CLA	C4B-NB	3.19	1.38	1.35
14	B1	836	CLA	MG-NA	3.19	2.13	2.06
14	B2	802	CLA	MG-NA	3.19	2.13	2.06
16	L2	201	BCR	C1-C6	3.19	1.58	1.53
14	B2	834	CLA	MG-NA	3.19	2.13	2.06
14	B4	818	CLA	MG-NA	3.19	2.13	2.06
14	B4	805	CLA	CHD-C1D	3.19	1.44	1.38
14	A4	801	CLA	C1D-ND	3.19	1.41	1.37
14	L6	206	CLA	C1D-ND	3.19	1.41	1.37
14	A2	1603	CLA	C3D-C4D	-3.18	1.37	1.44
14	A4	820	CLA	C3D-C4D	-3.18	1.37	1.44
14	X5	101	CLA	MG-NA	3.18	2.13	2.06
14	A6	1621	CLA	C3D-C4D	-3.18	1.37	1.44
14	A6	1633	CLA	C3D-C4D	-3.18	1.37	1.44
14	B3	1829	CLA	OBD-CAD	3.18	1.28	1.22
14	B3	1814	CLA	MG-NA	3.18	2.13	2.06
14	B5	1804	CLA	MG-NA	3.18	2.13	2.06
14	B6	827	CLA	OBD-CAD	3.18	1.28	1.22
14	B4	804	CLA	C4B-NB	3.18	1.38	1.35
14	L4	203	CLA	MG-NA	3.18	2.13	2.06
14	L4	201	CLA	C3D-C4D	-3.17	1.37	1.44
14	B4	830	CLA	MG-NA	3.17	2.13	2.06
14	B2	803	CLA	C4B-NB	3.17	1.38	1.35
14	B5	1818	CLA	MG-NA	3.17	2.13	2.06
14	A6	1636	CLA	CHC-C1C	3.17	1.43	1.35
14	B4	813	CLA	C4B-NB	3.17	1.38	1.35
14	A3	834	CLA	C3D-C4D	-3.17	1.37	1.44
14	B6	839	CLA	C3D-C4D	-3.17	1.37	1.44
14	K5	102	CLA	C4B-NB	3.17	1.38	1.35
14	B3	1805	CLA	CHD-C1D	3.17	1.44	1.38
14	B5	1805	CLA	CHD-C1D	3.17	1.44	1.38
14	A2	1619	CLA	MG-NA	3.17	2.13	2.06
14	B3	1811	CLA	CHC-C1C	3.17	1.43	1.35
14	B1	805	CLA	MG-NA	3.17	2.13	2.06
14	B6	828	CLA	MG-NA	3.16	2.13	2.06
14	A2	1611	CLA	C4B-NB	3.16	1.38	1.35
14	A1	824	CLA	MG-NA	3.16	2.13	2.06
14	B2	815	CLA	MG-NA	3.16	2.13	2.06
14	B6	828	CLA	C4B-NB	3.16	1.38	1.35
14	A2	1601	CLA	MG-NA	3.16	2.13	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	K2	1401	CLA	C4B-NB	3.16	1.38	1.35
14	B6	802	CLA	C3D-C4D	-3.16	1.37	1.44
14	F4	202	CLA	MG-NA	3.16	2.13	2.06
14	A2	1638	CLA	CHC-C1C	3.16	1.43	1.35
14	B4	814	CLA	MG-NA	3.16	2.13	2.06
14	B1	820	CLA	C4B-NB	3.16	1.38	1.35
14	A2	1624	CLA	MG-NA	3.16	2.13	2.06
14	B4	803	CLA	C4B-NB	3.16	1.38	1.35
14	B6	823	CLA	MG-NA	3.16	2.13	2.06
14	A1	815	CLA	C4B-NB	3.15	1.38	1.35
14	B6	831	CLA	C4B-NB	3.15	1.38	1.35
14	B5	1826	CLA	MG-NA	3.15	2.13	2.06
14	A2	1618	CLA	C4B-NB	3.15	1.38	1.35
14	A5	825	CLA	MG-NA	3.15	2.13	2.06
14	A1	805	CLA	O2D-CGD	3.15	1.40	1.33
14	B4	825	CLA	MG-NA	3.15	2.13	2.06
16	L3	201	BCR	C1-C6	3.15	1.58	1.53
14	A3	833	CLA	CHC-C1C	3.15	1.43	1.35
14	A3	825	CLA	MG-NA	3.15	2.13	2.06
14	B2	820	CLA	C4B-NB	3.15	1.38	1.35
14	A6	1607	CLA	C4B-NB	3.15	1.38	1.35
14	B4	826	CLA	MG-NA	3.15	2.13	2.06
14	B1	853	CLA	MG-NA	3.15	2.13	2.06
14	A5	838	CLA	C3D-C4D	-3.14	1.37	1.44
14	B3	1826	CLA	MG-NA	3.14	2.13	2.06
14	A4	805	CLA	O2D-CGD	3.14	1.40	1.33
14	L1	202	CLA	C3D-C4D	-3.14	1.37	1.44
14	B4	831	CLA	MG-NA	3.14	2.13	2.06
14	B2	813	CLA	C4B-NB	3.14	1.38	1.35
14	A2	1625	CLA	C3D-C4D	-3.14	1.37	1.44
14	A1	813	CLA	O2D-CGD	3.14	1.40	1.33
14	B6	829	CLA	MG-NA	3.14	2.13	2.06
14	B2	838	CLA	C3D-C4D	-3.14	1.37	1.44
16	A6	1646	BCR	C30-C25	3.14	1.58	1.53
14	A5	827	CLA	C3D-C4D	-3.14	1.37	1.44
14	A2	1635	CLA	CHC-C1C	3.14	1.43	1.35
17	A1	848	LHG	P-O3	3.14	1.72	1.59
14	A6	1637	CLA	C1D-ND	3.14	1.41	1.37
14	A6	1623	CLA	C3D-C4D	-3.14	1.37	1.44
14	A5	821	CLA	C3D-C4D	-3.14	1.37	1.44
14	A5	838	CLA	MG-NA	3.13	2.13	2.06
14	B5	1809	CLA	CHC-C1C	3.13	1.43	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B1	824	CLA	MG-NA	3.13	2.13	2.06
14	A5	823	CLA	C3D-C4D	-3.13	1.37	1.44
14	L1	205	CLA	C1D-ND	3.13	1.41	1.37
14	B6	820	CLA	MG-NA	3.13	2.13	2.06
14	B6	809	CLA	CHC-C1C	3.13	1.43	1.35
14	B4	841	CLA	C3D-C4D	-3.13	1.37	1.44
14	A2	1616	CLA	MG-NA	3.13	2.13	2.06
14	A5	833	CLA	CHC-C1C	3.13	1.43	1.35
14	A1	813	CLA	MG-NA	3.13	2.13	2.06
14	L5	202	CLA	C4B-NB	3.13	1.38	1.35
14	A2	1643	CLA	C3D-C4D	-3.13	1.37	1.44
14	B3	1810	CLA	C4B-NB	3.13	1.38	1.35
14	A3	836	CLA	O2A-CGA	3.13	1.41	1.30
14	A4	832	CLA	CHC-C1C	3.13	1.43	1.35
14	B4	820	CLA	C3D-C4D	-3.13	1.37	1.44
14	B5	1837	CLA	MG-NA	3.12	2.13	2.06
14	A6	1618	CLA	C3D-C4D	-3.12	1.37	1.44
14	A4	840	CLA	C4B-NB	3.12	1.38	1.35
14	B4	817	CLA	C4B-NB	3.12	1.38	1.35
14	L5	202	CLA	MG-NA	3.12	2.13	2.06
14	B4	840	CLA	C3D-C4D	-3.12	1.37	1.44
14	A6	1632	CLA	CHC-C1C	3.12	1.43	1.35
14	A3	802	CLA	C3D-C4D	-3.12	1.37	1.44
14	B3	1824	CLA	C4B-NB	3.12	1.38	1.35
14	L3	202	CLA	MG-NA	3.12	2.13	2.06
14	L3	205	CLA	C4B-NB	3.12	1.38	1.35
14	L4	204	CLA	C3D-C4D	-3.12	1.37	1.44
14	B3	1831	CLA	MG-NA	3.12	2.13	2.06
14	B1	831	CLA	MG-NA	3.12	2.13	2.06
14	A1	836	CLA	C4B-NB	3.12	1.38	1.35
14	B1	814	CLA	C4B-NB	3.12	1.38	1.35
14	B4	833	CLA	C4B-NB	3.12	1.38	1.35
14	B5	1808	CLA	C3D-C4D	-3.12	1.37	1.44
14	J1	101	CLA	MG-NA	3.12	2.13	2.06
14	B2	814	CLA	C4B-NB	3.11	1.38	1.35
14	B1	817	CLA	MG-NA	3.11	2.13	2.06
14	B6	822	CLA	C4B-NB	3.11	1.38	1.35
14	A4	816	CLA	MG-NA	3.11	2.13	2.06
14	B4	840	CLA	O2D-CGD	3.11	1.40	1.33
14	M6	1201	CLA	O2A-CGA	3.11	1.42	1.33
14	L2	206	CLA	C3D-C4D	-3.11	1.37	1.44
14	A6	1614	CLA	MG-NA	3.11	2.13	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B5	1811	CLA	CHC-C1C	3.11	1.42	1.35
14	A6	1601	CLA	MG-NA	3.11	2.13	2.06
14	B6	805	CLA	CHD-C1D	3.11	1.44	1.38
14	B2	830	CLA	C4B-NB	3.11	1.38	1.35
14	A3	809	CLA	C4B-NB	3.11	1.38	1.35
14	B4	801	CLA	C3D-C4D	-3.11	1.37	1.44
14	A2	1632	CLA	MG-NA	3.11	2.13	2.06
14	B1	839	CLA	O2D-CGD	3.11	1.40	1.33
14	A2	1602	CLA	OBD-CAD	3.11	1.27	1.22
14	A2	1634	CLA	C3D-C4D	-3.11	1.37	1.44
14	B5	1828	CLA	C3D-C4D	-3.11	1.37	1.44
14	A1	840	CLA	C4B-NB	3.11	1.38	1.35
14	L5	205	CLA	C3D-C4D	-3.10	1.37	1.44
14	A4	836	CLA	C1D-ND	3.10	1.41	1.37
14	A1	802	CLA	C4B-NB	3.10	1.38	1.35
14	A2	1640	CLA	C3D-C4D	-3.10	1.37	1.44
14	B2	831	CLA	C3D-C4D	-3.10	1.37	1.44
14	B2	823	CLA	MG-NA	3.10	2.13	2.06
14	A6	1627	CLA	C3D-C4D	-3.10	1.37	1.44
14	B1	819	CLA	C3D-C4D	-3.10	1.37	1.44
14	A4	822	CLA	C3D-C4D	-3.10	1.37	1.44
14	A1	817	CLA	C3D-C4D	-3.10	1.37	1.44
14	B3	1813	CLA	C4B-NB	3.10	1.38	1.35
14	A4	853	CLA	MG-NA	3.10	2.13	2.06
14	L2	202	CLA	C3D-C4D	-3.10	1.37	1.44
14	A4	832	CLA	C1D-ND	3.10	1.41	1.37
16	L6	201	BCR	C1-C6	3.10	1.58	1.53
14	B5	1801	CLA	O2D-CGD	3.10	1.40	1.33
14	K5	101	CLA	C3D-C4D	-3.09	1.37	1.44
17	B2	849	LHG	P-O3	3.09	1.71	1.59
14	B3	1837	CLA	MG-NA	3.09	2.13	2.06
14	A3	801	CLA	OBD-CAD	3.09	1.27	1.22
14	A3	839	CLA	MG-NA	3.09	2.13	2.06
14	A4	802	CLA	C4B-NB	3.09	1.38	1.35
14	A5	807	CLA	MG-NA	3.09	2.13	2.06
14	A1	806	CLA	MG-NA	3.09	2.13	2.06
14	B6	812	CLA	MG-NA	3.09	2.13	2.06
14	A1	816	CLA	MG-NA	3.09	2.13	2.06
14	A5	806	CLA	O2D-CGD	3.09	1.40	1.33
14	J4	101	CLA	C4B-NB	3.09	1.38	1.35
16	L4	208	BCR	C1-C6	3.09	1.58	1.53
14	A4	821	CLA	MG-NA	3.09	2.13	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B4	821	CLA	C4B-NB	3.09	1.38	1.35
17	B6	849	LHG	P-O3	3.09	1.71	1.59
14	A6	1632	CLA	C1D-ND	3.09	1.41	1.37
14	A3	823	CLA	C3D-C4D	-3.09	1.37	1.44
14	A2	1627	CLA	C4B-NB	3.09	1.38	1.35
14	A3	827	CLA	C4B-NB	3.09	1.38	1.35
14	L5	203	CLA	C3D-C4D	-3.09	1.37	1.44
14	A4	824	CLA	MG-NA	3.09	2.13	2.06
14	B1	812	CLA	C4B-NB	3.09	1.38	1.35
14	A4	810	CLA	C4B-NB	3.09	1.38	1.35
14	A3	814	CLA	MG-NA	3.09	2.13	2.06
14	A4	839	CLA	O2A-CGA	3.08	1.42	1.33
14	B5	1801	CLA	MG-NA	3.08	2.13	2.06
14	A6	1606	CLA	O2D-CGD	3.08	1.40	1.33
14	A2	1633	CLA	C3D-C4D	-3.08	1.37	1.44
14	A5	814	CLA	C4B-NB	3.08	1.38	1.35
14	B1	825	CLA	MG-NA	3.08	2.13	2.06
14	A6	1635	CLA	C4B-NB	3.08	1.38	1.35
14	L5	204	CLA	C1D-ND	3.08	1.41	1.37
14	A2	1612	CLA	C4B-NB	3.08	1.38	1.35
14	B6	808	CLA	C4B-NB	3.08	1.38	1.35
16	A2	1650	BCR	C30-C25	3.08	1.58	1.53
14	A5	841	CLA	C4B-NB	3.08	1.38	1.35
14	B6	838	CLA	C3D-C4D	-3.08	1.37	1.44
14	A3	827	CLA	C3D-C4D	-3.08	1.37	1.44
14	B5	1817	CLA	O2A-CGA	3.08	1.41	1.30
14	A5	801	CLA	OBD-CAD	3.08	1.27	1.22
14	A5	818	CLA	C3D-C4D	-3.08	1.37	1.44
14	A6	1623	CLA	MG-NA	3.08	2.13	2.06
14	B1	834	CLA	C4B-NB	3.07	1.38	1.35
14	B5	1842	CLA	MG-NA	3.07	2.13	2.06
14	A1	810	CLA	C4B-NB	3.07	1.37	1.35
14	A1	821	CLA	C4B-NB	3.07	1.37	1.35
14	B1	823	CLA	C4B-NB	3.07	1.37	1.35
14	A6	1622	CLA	MG-NA	3.07	2.13	2.06
14	A5	807	CLA	C4B-NB	3.07	1.37	1.35
14	B4	837	CLA	MG-NA	3.07	2.13	2.06
14	B1	833	CLA	C3D-C4D	-3.07	1.37	1.44
14	A3	839	CLA	C3D-C4D	-3.07	1.37	1.44
14	L1	207	CLA	C4B-NB	3.07	1.37	1.35
14	B4	835	CLA	C4B-NB	3.07	1.37	1.35
14	A1	837	CLA	O2A-CGA	3.07	1.42	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B2	835	CLA	MG-NA	3.07	2.13	2.06
14	B4	816	CLA	C4B-NB	3.07	1.37	1.35
14	A3	831	CLA	C3D-C4D	-3.07	1.37	1.44
14	B3	1841	CLA	C3D-C4D	-3.07	1.37	1.44
14	B5	1832	CLA	MG-NA	3.07	2.13	2.06
14	A5	824	CLA	C3D-C4D	-3.06	1.37	1.44
14	B4	819	CLA	C4B-NB	3.06	1.37	1.35
14	B4	830	CLA	C4B-NB	3.06	1.37	1.35
14	B2	837	CLA	O2D-CGD	3.06	1.40	1.33
14	B2	816	CLA	C4B-NB	3.06	1.37	1.35
14	A4	833	CLA	C3D-C4D	-3.06	1.37	1.44
14	B5	1807	CLA	C3D-C4D	-3.06	1.37	1.44
14	A4	823	CLA	C3D-C4D	-3.06	1.37	1.44
14	A6	1638	CLA	C3D-C4D	-3.06	1.37	1.44
14	B6	806	CLA	C3D-C4D	-3.06	1.37	1.44
14	A4	830	CLA	C3D-C4D	-3.06	1.37	1.44
14	B5	1838	CLA	MG-NA	3.06	2.13	2.06
14	B1	840	CLA	C3D-C4D	-3.06	1.37	1.44
14	A1	819	CLA	C3D-C4D	-3.06	1.37	1.44
14	A1	822	CLA	C3D-C4D	-3.05	1.37	1.44
14	A4	813	CLA	O2D-CGD	3.05	1.40	1.33
14	B6	840	CLA	MG-NA	3.05	2.13	2.06
14	B1	839	CLA	C3D-C4D	-3.05	1.37	1.44
14	A4	815	CLA	MG-NA	3.05	2.13	2.06
14	A5	801	CLA	C1D-ND	3.05	1.41	1.37
14	A2	1629	CLA	C4B-NB	3.05	1.37	1.35
14	A1	823	CLA	C3D-C4D	-3.05	1.37	1.44
14	B2	811	CLA	MG-NA	3.05	2.13	2.06
14	B2	828	CLA	MG-NA	3.05	2.13	2.06
14	B5	1840	CLA	C3D-C4D	-3.05	1.37	1.44
14	A4	840	CLA	C3D-C4D	-3.05	1.37	1.44
14	B4	808	CLA	C3D-C4D	-3.05	1.37	1.44
14	B3	1838	CLA	MG-NA	3.05	2.13	2.06
14	A4	803	CLA	MG-NA	3.05	2.13	2.06
14	K5	101	CLA	C4B-NB	3.05	1.37	1.35
14	B1	808	CLA	C3D-C4D	-3.05	1.37	1.44
14	A4	804	CLA	C3D-C4D	-3.05	1.37	1.44
14	A3	830	CLA	MG-NA	3.05	2.13	2.06
14	B2	817	CLA	C3D-C4D	-3.05	1.37	1.44
14	B3	1820	CLA	C3D-C4D	-3.05	1.37	1.44
14	A4	817	CLA	C3D-C4D	-3.05	1.37	1.44
14	A2	1620	CLA	C3D-C4D	-3.04	1.37	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A5	814	CLA	MG-NA	3.04	2.13	2.06
14	A6	1622	CLA	C4B-NB	3.04	1.37	1.35
14	A2	1608	CLA	O2D-CGD	3.04	1.40	1.33
14	B6	817	CLA	C3D-C4D	-3.04	1.37	1.44
14	B3	1830	CLA	MG-NA	3.04	2.13	2.06
14	B5	1806	CLA	O2A-CGA	3.04	1.42	1.33
14	B4	809	CLA	CHC-C1C	3.04	1.42	1.35
14	A2	1602	CLA	C1D-ND	3.04	1.41	1.37
14	B6	807	CLA	C3D-C4D	-3.04	1.37	1.44
14	A4	814	CLA	MG-NA	3.04	2.13	2.06
14	J2	101	CLA	C4B-NB	3.04	1.37	1.35
14	B3	1804	CLA	MG-NA	3.04	2.13	2.06
14	B4	842	CLA	MG-NA	3.04	2.13	2.06
14	A1	820	CLA	O2D-CGD	3.04	1.40	1.33
14	B5	1824	CLA	C4B-NB	3.04	1.37	1.35
14	B2	802	CLA	C3D-C4D	-3.04	1.37	1.44
14	B5	1810	CLA	C4B-NB	3.04	1.37	1.35
14	B4	804	CLA	C3D-C4D	-3.04	1.37	1.44
14	A6	1627	CLA	C4B-NB	3.04	1.37	1.35
14	B5	1823	CLA	O2D-CGD	3.04	1.40	1.33
14	A5	814	CLA	O2D-CGD	3.03	1.40	1.33
17	B1	851	LHG	P-O3	3.03	1.71	1.59
14	B4	818	CLA	C4B-NB	3.03	1.37	1.35
14	B6	833	CLA	C4B-NB	3.03	1.37	1.35
14	A4	837	CLA	C3D-C4D	-3.03	1.37	1.44
14	A6	1620	CLA	C3D-C4D	-3.03	1.37	1.44
14	L6	207	CLA	C3D-C4D	-3.03	1.37	1.44
16	L2	208	BCR	C30-C25	3.03	1.57	1.53
14	A5	837	CLA	C4B-NB	3.03	1.37	1.35
14	B2	837	CLA	C3D-C4D	-3.03	1.37	1.44
14	J4	101	CLA	C3D-C4D	-3.03	1.37	1.44
14	B2	806	CLA	CHC-C1C	3.03	1.42	1.35
14	B3	1834	CLA	C3D-C4D	-3.03	1.37	1.44
14	A2	1613	CLA	C4B-NB	3.03	1.37	1.35
14	B4	806	CLA	O2A-CGA	3.03	1.42	1.33
14	L3	204	CLA	C3D-C4D	-3.03	1.37	1.44
14	A1	809	CLA	C1D-ND	3.03	1.41	1.37
14	M3	1601	CLA	MG-NA	3.03	2.13	2.06
14	A4	829	CLA	MG-NA	3.03	2.13	2.06
14	A5	817	CLA	C3D-C4D	-3.03	1.37	1.44
14	A2	1637	CLA	C4B-NB	3.03	1.37	1.35
14	A4	811	CLA	O2D-CGD	3.03	1.40	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	F5	1301	CLA	MG-NC	3.03	2.13	2.06
14	M2	1201	CLA	O2A-CGA	3.03	1.42	1.33
17	X5	102	LHG	P-O3	3.03	1.71	1.59
14	A1	835	CLA	C1D-ND	3.03	1.41	1.37
17	A4	850	LHG	P-O3	3.03	1.71	1.59
14	A1	835	CLA	C4B-NB	3.03	1.37	1.35
14	A2	1606	CLA	C3D-C4D	-3.02	1.37	1.44
14	A5	834	CLA	C3D-C4D	-3.02	1.37	1.44
14	B1	837	CLA	MG-NA	3.02	2.13	2.06
14	A3	810	CLA	MG-NA	3.02	2.13	2.06
16	A1	842	BCR	C30-C25	3.02	1.57	1.53
14	F2	202	CLA	MG-NC	3.02	2.13	2.06
14	A4	826	CLA	C4B-NB	3.02	1.37	1.35
14	A3	832	CLA	C3D-C4D	-3.02	1.37	1.44
14	B4	839	CLA	C3D-C4D	-3.02	1.37	1.44
14	A5	831	CLA	C3D-C4D	-3.02	1.37	1.44
14	B5	1840	CLA	O2D-CGD	3.02	1.40	1.33
14	I1	101	CLA	MG-NA	3.02	2.13	2.06
14	A3	818	CLA	C3D-C4D	-3.02	1.37	1.44
14	B1	813	CLA	MG-NA	3.02	2.13	2.06
14	A5	817	CLA	MG-NA	3.02	2.13	2.06
14	A3	823	CLA	MG-NA	3.02	2.13	2.06
14	A4	809	CLA	C1D-ND	3.02	1.41	1.37
14	B3	1832	CLA	MG-NA	3.02	2.13	2.06
14	A3	822	CLA	MG-NA	3.02	2.13	2.06
14	A6	1602	CLA	OBD-CAD	3.02	1.27	1.22
14	B1	822	CLA	C4B-NB	3.02	1.37	1.35
14	B5	1811	CLA	C3D-C4D	-3.02	1.37	1.44
14	B6	813	CLA	O2D-CGD	3.02	1.40	1.33
14	A2	1618	CLA	MG-NA	3.02	2.13	2.06
14	A2	1636	CLA	C3D-C4D	-3.02	1.37	1.44
14	B4	827	CLA	C3D-C4D	-3.02	1.37	1.44
14	B1	801	CLA	C4B-NB	3.02	1.37	1.35
14	A6	1618	CLA	C4B-NB	3.02	1.37	1.35
14	B5	1818	CLA	C4B-NB	3.02	1.37	1.35
14	B4	816	CLA	MG-NA	3.02	2.13	2.06
14	A2	1626	CLA	C3D-C4D	-3.01	1.37	1.44
14	B2	804	CLA	C3D-C4D	-3.01	1.37	1.44
14	A4	809	CLA	MG-NA	3.01	2.13	2.06
14	A2	1618	CLA	O2D-CGD	3.01	1.40	1.33
14	A6	1651	CLA	MG-NA	3.01	2.13	2.06
14	K3	1401	CLA	C4B-NB	3.01	1.37	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B3	1843	CLA	C3D-C4D	-3.01	1.37	1.44
14	A1	826	CLA	C4B-NB	3.01	1.37	1.35
14	A3	817	CLA	MG-NA	3.01	2.13	2.06
14	A6	1606	CLA	C3D-C4D	-3.01	1.37	1.44
14	I6	101	CLA	C3D-C4D	-3.01	1.37	1.44
14	B3	1817	CLA	C4B-NB	3.01	1.37	1.35
14	B4	825	CLA	C4B-NB	3.01	1.37	1.35
14	A3	842	CLA	C3D-C4D	-3.01	1.37	1.44
14	A6	1609	CLA	C4B-NB	3.01	1.37	1.35
14	B6	836	CLA	MG-NA	3.01	2.13	2.06
14	B6	841	CLA	C3D-C4D	-3.01	1.37	1.44
14	A4	824	CLA	C4B-NB	3.01	1.37	1.35
14	A6	1614	CLA	O2D-CGD	3.01	1.40	1.33
16	L4	206	BCR	C30-C25	3.01	1.57	1.53
14	A1	816	CLA	C3D-C4D	-3.01	1.37	1.44
14	A4	815	CLA	O2D-CGD	3.01	1.40	1.33
14	A4	821	CLA	O2D-CGD	3.01	1.40	1.33
14	B1	813	CLA	C4B-NB	3.01	1.37	1.35
14	A1	815	CLA	MG-NA	3.01	2.13	2.06
14	B1	809	CLA	CHC-C1C	3.00	1.42	1.35
14	A3	845	CLA	O2D-CGD	3.00	1.40	1.33
14	B1	810	CLA	C4B-NB	3.00	1.37	1.35
14	A1	837	CLA	MG-NA	3.00	2.13	2.06
14	B5	1810	CLA	C3D-C4D	-3.00	1.37	1.44
14	B4	832	CLA	MG-NA	3.00	2.13	2.06
14	A6	1607	CLA	MG-NA	3.00	2.13	2.06
14	A1	838	CLA	C3D-C4D	-3.00	1.37	1.44
14	A5	807	CLA	C3D-C4D	-3.00	1.37	1.44
14	F1	1301	CLA	MG-NA	3.00	2.13	2.06
14	A5	823	CLA	MG-NA	3.00	2.13	2.06
14	A3	806	CLA	O2D-CGD	3.00	1.40	1.33
14	B2	839	CLA	MG-NA	3.00	2.13	2.06
14	B6	819	CLA	MG-NA	3.00	2.13	2.06
14	A6	1610	CLA	C3D-C4D	-3.00	1.37	1.44
14	B4	824	CLA	O2D-CGD	3.00	1.40	1.33
14	B4	810	CLA	C4B-NB	3.00	1.37	1.35
14	A3	824	CLA	C3D-C4D	-3.00	1.37	1.44
14	B3	1819	CLA	C3D-C4D	-3.00	1.37	1.44
14	A4	806	CLA	MG-NA	3.00	2.13	2.06
14	B4	829	CLA	OBD-CAD	3.00	1.27	1.22
14	A1	822	CLA	MG-NA	3.00	2.13	2.06
14	B5	1821	CLA	MG-NA	3.00	2.13	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
17	A5	851	LHG	P-O3	3.00	1.71	1.59
14	A1	821	CLA	O2D-CGD	3.00	1.40	1.33
14	B4	838	CLA	MG-NA	3.00	2.13	2.06
14	A6	1640	CLA	C3D-C4D	-3.00	1.37	1.44
14	B1	829	CLA	MG-NA	3.00	2.13	2.06
14	A6	1607	CLA	C3D-C4D	-2.99	1.37	1.44
14	A6	1605	CLA	O2D-CGD	2.99	1.40	1.33
14	B2	805	CLA	C3D-C4D	-2.99	1.37	1.44
14	B2	821	CLA	C4B-NB	2.99	1.37	1.35
14	A3	815	CLA	MG-NA	2.99	2.13	2.06
14	A6	1615	CLA	MG-NA	2.99	2.13	2.06
14	A4	837	CLA	C4B-NB	2.99	1.37	1.35
14	B5	1809	CLA	C3D-C4D	-2.99	1.37	1.44
14	A3	841	CLA	O2A-CGA	2.99	1.42	1.33
14	B2	832	CLA	C4B-NB	2.99	1.37	1.35
14	F6	202	CLA	MG-NA	2.99	2.13	2.06
14	A5	822	CLA	O2D-CGD	2.99	1.40	1.33
14	I1	101	CLA	C1D-ND	2.99	1.41	1.37
14	A6	1604	CLA	C3D-C4D	-2.99	1.37	1.44
14	B2	816	CLA	C3D-C4D	-2.99	1.37	1.44
14	A6	1617	CLA	C3D-C4D	-2.99	1.37	1.44
14	B6	818	CLA	C3D-C4D	-2.99	1.37	1.44
14	A1	836	CLA	C3D-C4D	-2.99	1.37	1.44
14	A2	1635	CLA	C3D-C4D	-2.99	1.37	1.44
14	A3	820	CLA	C3D-C4D	-2.99	1.37	1.44
14	A4	826	CLA	C3D-C4D	-2.99	1.37	1.44
14	A6	1624	CLA	C3D-C4D	-2.99	1.37	1.44
14	A1	801	CLA	C1D-ND	2.99	1.41	1.37
14	B2	827	CLA	MG-NA	2.99	2.13	2.06
14	A1	801	CLA	OBD-CAD	2.99	1.27	1.22
14	B3	1806	CLA	O2A-CGA	2.99	1.42	1.33
14	A4	804	CLA	O2D-CGD	2.99	1.40	1.33
14	B5	1819	CLA	C3D-C4D	-2.98	1.37	1.44
14	F3	202	CLA	MG-NA	2.98	2.13	2.06
14	A3	822	CLA	O2D-CGD	2.98	1.40	1.33
14	B1	837	CLA	C4B-NB	2.98	1.37	1.35
14	A6	1638	CLA	MG-NA	2.98	2.13	2.06
14	A4	837	CLA	C1D-ND	2.98	1.41	1.37
14	B2	806	CLA	C3D-C4D	-2.98	1.37	1.44
14	A1	809	CLA	MG-NA	2.98	2.13	2.06
14	B5	1816	CLA	C4B-NB	2.98	1.37	1.35
14	A2	1609	CLA	C3D-C4D	-2.98	1.37	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A1	817	CLA	C4B-NB	2.98	1.37	1.35
14	A6	1616	CLA	C4B-NB	2.98	1.37	1.35
17	A4	851	LHG	P-O6	2.98	1.71	1.59
16	A4	847	BCR	C30-C25	2.98	1.57	1.53
14	B1	816	CLA	C4B-NB	2.98	1.37	1.35
14	B3	1819	CLA	C4B-NB	2.98	1.37	1.35
14	A4	842	CLA	C4B-NB	2.98	1.37	1.35
14	M1	1201	CLA	O2A-CGA	2.98	1.42	1.33
14	F1	1301	CLA	MG-NC	2.98	2.13	2.06
14	A4	839	CLA	MG-NA	2.98	2.13	2.06
14	A2	1614	CLA	O2D-CGD	2.98	1.40	1.33
14	B5	1834	CLA	C3D-C4D	-2.98	1.37	1.44
14	A4	831	CLA	C3D-C4D	-2.98	1.37	1.44
19	B3	1850	LMG	O7-C10	2.98	1.42	1.34
14	B1	822	CLA	O2D-CGD	2.98	1.40	1.33
14	B3	1818	CLA	C4B-NB	2.98	1.37	1.35
14	A6	1610	CLA	MG-NA	2.98	2.13	2.06
14	B4	828	CLA	C3D-C4D	-2.98	1.37	1.44
14	F4	202	CLA	MG-NC	2.97	2.13	2.06
14	B3	1840	CLA	O2D-CGD	2.97	1.40	1.33
16	L2	201	BCR	C30-C25	2.97	1.57	1.53
14	M2	1201	CLA	C3D-C4D	-2.97	1.37	1.44
14	A3	817	CLA	C3D-C4D	-2.97	1.37	1.44
16	L6	209	BCR	C30-C25	2.97	1.57	1.53
14	A2	1622	CLA	C3D-C4D	-2.97	1.37	1.44
14	B2	836	CLA	C3D-C4D	-2.97	1.37	1.44
14	I6	101	CLA	CHC-C1C	2.97	1.42	1.35
14	A1	805	CLA	C3D-C4D	-2.97	1.37	1.44
14	B1	821	CLA	O2D-CGD	2.97	1.40	1.33
14	A4	822	CLA	MG-NA	2.97	2.13	2.06
14	B6	820	CLA	O2D-CGD	2.97	1.40	1.33
14	B3	1817	CLA	MG-NA	2.97	2.13	2.06
14	F5	1301	CLA	MG-NA	2.97	2.13	2.06
14	B1	815	CLA	C4B-NB	2.97	1.37	1.35
14	B1	811	CLA	C3D-C4D	-2.97	1.37	1.44
14	J5	101	CLA	O2D-CGD	2.97	1.40	1.33
14	A1	803	CLA	C3D-C4D	-2.97	1.37	1.44
14	A2	1601	CLA	C3D-C4D	-2.97	1.37	1.44
14	B1	816	CLA	O2A-CGA	2.97	1.40	1.30
14	A3	842	CLA	C4B-NB	2.97	1.37	1.35
14	B5	1830	CLA	C3D-C4D	-2.97	1.37	1.44
14	A3	807	CLA	MG-NA	2.97	2.13	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B6	830	CLA	O2D-CGD	2.97	1.40	1.33
17	A6	1649	LHG	P-O3	2.97	1.71	1.59
14	A5	816	CLA	O2D-CGD	2.97	1.40	1.33
14	A1	821	CLA	MG-NA	2.97	2.13	2.06
14	L1	206	CLA	C3D-C4D	-2.96	1.37	1.44
14	B5	1839	CLA	C3D-C4D	-2.96	1.37	1.44
14	B1	804	CLA	C4B-NB	2.96	1.37	1.35
14	J1	101	CLA	C4B-NB	2.96	1.37	1.35
14	A3	807	CLA	C4B-NB	2.96	1.37	1.35
14	A2	1612	CLA	C3D-C4D	-2.96	1.37	1.44
14	A5	842	CLA	C3D-C4D	-2.96	1.37	1.44
14	B1	830	CLA	MG-NA	2.96	2.13	2.06
14	A3	836	CLA	C4B-NB	2.96	1.37	1.35
14	B1	827	CLA	C3D-C4D	-2.96	1.37	1.44
14	A1	806	CLA	C3D-C4D	-2.96	1.37	1.44
14	B1	807	CLA	C3D-C4D	-2.96	1.37	1.44
14	A2	1612	CLA	MG-NA	2.96	2.13	2.06
14	B3	1816	CLA	C4B-NB	2.96	1.37	1.35
14	B5	1820	CLA	C3D-C4D	-2.96	1.37	1.44
14	B3	1801	CLA	O2D-CGD	2.96	1.40	1.33
14	B5	1814	CLA	MG-NA	2.96	2.13	2.06
14	B1	824	CLA	O2A-CGA	2.96	1.40	1.30
14	B1	823	CLA	O2D-CGD	2.96	1.40	1.33
14	A5	832	CLA	C3D-C4D	-2.96	1.37	1.44
14	B3	1822	CLA	O2D-CGD	2.96	1.40	1.33
14	B1	828	CLA	OBD-CAD	2.96	1.27	1.22
14	A1	814	CLA	MG-NA	2.96	2.13	2.06
14	A4	806	CLA	C3D-C4D	-2.96	1.37	1.44
14	A5	827	CLA	C4B-NB	2.96	1.37	1.35
14	A1	830	CLA	C3D-C4D	-2.96	1.37	1.44
14	B2	819	CLA	C3D-C4D	-2.96	1.37	1.44
14	A2	1629	CLA	C3D-C4D	-2.96	1.37	1.44
14	B3	1840	CLA	C3D-C4D	-2.95	1.37	1.44
14	A2	1609	CLA	MG-NA	2.95	2.13	2.06
14	B3	1809	CLA	CHC-C1C	2.95	1.42	1.35
14	B4	809	CLA	C3D-C4D	-2.95	1.37	1.44
14	A2	1619	CLA	C3D-C4D	-2.95	1.37	1.44
14	A5	840	CLA	O2A-CGA	2.95	1.42	1.33
14	A1	840	CLA	C3D-C4D	-2.95	1.37	1.44
14	B2	827	CLA	C3D-C4D	-2.95	1.37	1.44
14	B1	825	CLA	O2A-CGA	2.95	1.42	1.33
14	A5	822	CLA	C4B-NB	2.95	1.37	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	L3	202	CLA	C4B-NB	2.95	1.37	1.35
14	A6	1632	CLA	O2D-CGD	2.95	1.40	1.33
14	A5	804	CLA	C3D-C4D	-2.95	1.37	1.44
14	A5	841	CLA	C3D-C4D	-2.95	1.37	1.44
14	B5	1813	CLA	MG-NA	2.95	2.13	2.06
14	B3	1830	CLA	C3D-C4D	-2.95	1.37	1.44
14	A6	1638	CLA	C4B-NB	2.95	1.37	1.35
14	B2	819	CLA	MG-NA	2.95	2.13	2.06
14	A1	838	CLA	C4B-NB	2.95	1.37	1.35
14	B1	805	CLA	C3D-C4D	-2.95	1.37	1.44
14	A2	1644	CLA	C3D-C4D	-2.95	1.37	1.44
14	A5	818	CLA	C4B-NB	2.95	1.37	1.35
14	B4	821	CLA	MG-NA	2.95	2.13	2.06
14	B4	811	CLA	C3D-C4D	-2.95	1.37	1.44
14	A2	1625	CLA	MG-NA	2.95	2.13	2.06
14	B1	809	CLA	C3D-C4D	-2.95	1.37	1.44
14	B6	822	CLA	O2D-CGD	2.95	1.40	1.33
14	B2	813	CLA	MG-NA	2.94	2.13	2.06
14	A6	1601	CLA	C4B-NB	2.94	1.37	1.35
14	A4	816	CLA	O2A-CGA	2.94	1.41	1.33
14	A5	820	CLA	C3D-C4D	-2.94	1.37	1.44
14	B5	1826	CLA	O2A-CGA	2.94	1.41	1.33
14	B4	807	CLA	C3D-C4D	-2.94	1.37	1.44
14	B2	820	CLA	O2D-CGD	2.94	1.40	1.33
14	L1	201	CLA	C3D-C4D	-2.94	1.37	1.44
14	B3	1811	CLA	C3D-C4D	-2.94	1.37	1.44
14	A5	810	CLA	C3D-C4D	-2.94	1.37	1.44
14	B3	1807	CLA	C3D-C4D	-2.94	1.37	1.44
14	J6	1102	CLA	C3D-C4D	-2.94	1.37	1.44
14	A3	801	CLA	C1D-ND	2.94	1.41	1.37
14	B2	819	CLA	O2D-CGD	2.94	1.40	1.33
17	A2	1653	LHG	P-O3	2.94	1.71	1.59
19	B2	848	LMG	O7-C10	2.94	1.42	1.34
14	A5	806	CLA	C3D-C4D	-2.94	1.37	1.44
16	A5	848	BCR	C30-C25	2.94	1.57	1.53
14	M6	1201	CLA	C4B-NB	2.94	1.37	1.35
14	B3	1814	CLA	O2A-CGA	2.94	1.40	1.30
14	A4	809	CLA	C3D-C4D	-2.94	1.37	1.44
14	B3	1842	CLA	MG-NA	2.94	2.13	2.06
14	B3	1832	CLA	O2D-CGD	2.94	1.40	1.33
14	B1	820	CLA	C3D-C4D	-2.94	1.37	1.44
14	A2	1606	CLA	MG-NA	2.94	2.13	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A2	1635	CLA	O2D-CGD	2.94	1.40	1.33
14	B4	843	CLA	C3D-C4D	-2.94	1.37	1.44
14	A4	816	CLA	C3D-C4D	-2.94	1.37	1.44
14	B4	813	CLA	O2A-CGA	2.94	1.40	1.30
14	B4	836	CLA	C3D-C4D	-2.94	1.37	1.44
14	A6	1638	CLA	C1D-ND	2.94	1.41	1.37
14	A3	816	CLA	MG-NA	2.93	2.13	2.06
14	A5	816	CLA	MG-NA	2.93	2.13	2.06
14	L1	207	CLA	MG-NA	2.93	2.13	2.06
14	A3	844	CLA	C3D-C4D	-2.93	1.37	1.44
16	L3	206	BCR	C30-C25	2.93	1.57	1.53
14	A1	814	CLA	O2D-CGD	2.93	1.40	1.33
16	I1	103	BCR	C30-C25	2.93	1.57	1.53
14	A4	817	CLA	C4B-NB	2.93	1.37	1.35
14	B5	1835	CLA	C4B-NB	2.93	1.37	1.35
14	B5	1838	CLA	C4B-NB	2.93	1.37	1.35
14	B6	828	CLA	C3D-C4D	-2.93	1.37	1.44
14	A4	813	CLA	O2A-CGA	2.93	1.40	1.30
14	A2	1640	CLA	C1D-ND	2.93	1.41	1.37
14	B2	821	CLA	O2D-CGD	2.93	1.40	1.33
14	B2	840	CLA	C3D-C4D	-2.93	1.37	1.44
14	A3	818	CLA	MG-NA	2.93	2.13	2.06
14	B4	830	CLA	C3D-C4D	-2.93	1.37	1.44
14	A6	1617	CLA	MG-NA	2.93	2.13	2.06
14	A5	804	CLA	MG-NA	2.93	2.13	2.06
14	A3	814	CLA	O2D-CGD	2.93	1.40	1.33
14	K3	1401	CLA	MG-NA	2.93	2.13	2.06
14	B5	1812	CLA	CHC-C1C	2.93	1.42	1.35
14	A2	1637	CLA	O2A-CGA	2.93	1.40	1.30
16	L4	208	BCR	C30-C25	2.93	1.57	1.53
14	A6	1639	CLA	O2A-CGA	2.93	1.41	1.33
14	J5	101	CLA	C3D-C4D	-2.93	1.37	1.44
14	B3	1822	CLA	MG-NA	2.93	2.13	2.06
14	A4	853	CLA	C3D-C4D	-2.93	1.37	1.44
14	M2	1201	CLA	C4B-NB	2.93	1.37	1.35
14	B4	813	CLA	O2D-CGD	2.93	1.40	1.33
14	A6	1631	CLA	C3D-C4D	-2.93	1.37	1.44
14	B5	1835	CLA	C3D-C4D	-2.93	1.37	1.44
14	F6	202	CLA	MG-NC	2.93	2.13	2.06
14	A2	1624	CLA	O2D-CGD	2.93	1.40	1.33
14	B5	1825	CLA	O2A-CGA	2.93	1.40	1.30
14	A1	831	CLA	C3D-C4D	-2.93	1.37	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B2	808	CLA	C3D-C4D	-2.93	1.37	1.44
14	B6	808	CLA	C1D-ND	2.92	1.41	1.37
14	B6	813	CLA	C4B-NB	2.92	1.37	1.35
14	B6	808	CLA	C3D-C4D	-2.92	1.37	1.44
14	L6	203	CLA	C3D-C4D	-2.92	1.37	1.44
14	A5	815	CLA	MG-NA	2.92	2.13	2.06
14	B5	1824	CLA	O2D-CGD	2.92	1.40	1.33
14	A4	834	CLA	O2A-CGA	2.92	1.40	1.30
14	B1	812	CLA	O2A-CGA	2.92	1.40	1.30
14	B2	829	CLA	O2D-CGD	2.92	1.40	1.33
14	A4	832	CLA	O2D-CGD	2.92	1.40	1.33
14	B1	823	CLA	O2A-CGA	2.92	1.41	1.33
14	A2	1642	CLA	O2A-CGA	2.92	1.41	1.33
14	A6	1641	CLA	C3D-C4D	-2.92	1.37	1.44
14	A6	1619	CLA	C3D-C4D	-2.92	1.37	1.44
14	B5	1827	CLA	C3D-C4D	-2.92	1.37	1.44
14	B2	810	CLA	C4B-NB	2.92	1.37	1.35
14	B6	815	CLA	C4B-NB	2.92	1.37	1.35
14	B4	825	CLA	O2A-CGA	2.92	1.40	1.30
19	B6	848	LMG	O7-C10	2.92	1.42	1.34
14	A2	1639	CLA	C1D-ND	2.92	1.41	1.37
14	A1	833	CLA	O2A-CGA	2.92	1.40	1.30
14	B4	806	CLA	C3D-C4D	-2.92	1.37	1.44
14	B5	1804	CLA	C3D-C4D	-2.92	1.37	1.44
14	A3	817	CLA	O2A-CGA	2.92	1.41	1.33
14	B1	831	CLA	C3D-C4D	-2.92	1.37	1.44
14	B2	818	CLA	C3D-C4D	-2.92	1.37	1.44
14	J6	1103	CLA	C3D-C4D	-2.92	1.37	1.44
14	B3	1824	CLA	O2D-CGD	2.92	1.40	1.33
14	A4	834	CLA	C4B-NB	2.92	1.37	1.35
14	A4	841	CLA	C3D-C4D	-2.92	1.37	1.44
14	A1	803	CLA	MG-NA	2.92	2.13	2.06
14	J6	1103	CLA	CHD-C1D	2.92	1.44	1.38
14	B1	828	CLA	C3D-C4D	-2.92	1.37	1.44
14	B2	809	CLA	MG-NA	2.92	2.13	2.06
14	A1	811	CLA	O2D-CGD	2.91	1.40	1.33
14	B3	1804	CLA	C3D-C4D	-2.91	1.37	1.44
14	L3	202	CLA	C3D-C4D	-2.91	1.37	1.44
14	J4	101	CLA	O2D-CGD	2.91	1.40	1.33
14	B2	822	CLA	O2A-CGA	2.91	1.40	1.30
14	B3	1817	CLA	O2A-CGA	2.91	1.40	1.30
14	A2	1605	CLA	C4B-NB	2.91	1.37	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B3	1812	CLA	C3D-C4D	-2.91	1.37	1.44
14	B1	815	CLA	MG-NA	2.91	2.13	2.06
14	A3	841	CLA	MG-NA	2.91	2.13	2.06
14	L5	203	CLA	O2D-CGD	2.91	1.40	1.33
14	B4	812	CLA	CHC-C1C	2.91	1.42	1.35
14	B6	837	CLA	C3D-C4D	-2.91	1.37	1.44
14	A3	810	CLA	C3D-C4D	-2.91	1.37	1.44
14	B6	809	CLA	C3D-C4D	-2.91	1.37	1.44
14	A2	1616	CLA	O2D-CGD	2.91	1.40	1.33
14	A3	835	CLA	C3D-C4D	-2.91	1.37	1.44
14	B6	840	CLA	C3D-C4D	-2.91	1.37	1.44
14	B1	838	CLA	C4B-NB	2.91	1.37	1.35
14	A5	809	CLA	C3D-C4D	-2.91	1.37	1.44
14	B2	810	CLA	O2A-CGA	2.91	1.40	1.30
14	B2	814	CLA	O2A-CGA	2.91	1.40	1.30
14	A2	1619	CLA	O2A-CGA	2.91	1.41	1.33
16	L6	201	BCR	C30-C25	2.91	1.57	1.53
14	A6	1622	CLA	O2D-CGD	2.91	1.40	1.33
14	B4	842	CLA	C3D-C4D	-2.91	1.37	1.44
14	B6	804	CLA	C4B-NB	2.91	1.37	1.35
14	B3	1842	CLA	C3D-C4D	-2.91	1.37	1.44
14	B2	833	CLA	CHD-C1D	2.91	1.44	1.38
14	A5	833	CLA	O2D-CGD	2.91	1.40	1.33
14	A6	1616	CLA	C3D-C4D	-2.91	1.37	1.44
14	A1	832	CLA	C3D-C4D	-2.90	1.37	1.44
14	A3	807	CLA	C3D-C4D	-2.90	1.37	1.44
14	B6	830	CLA	MG-NA	2.90	2.13	2.06
14	A3	821	CLA	O2D-CGD	2.90	1.40	1.33
14	B5	1829	CLA	C3D-C4D	-2.90	1.37	1.44
14	L2	207	CLA	MG-NA	2.90	2.13	2.06
14	A3	805	CLA	C3D-C4D	-2.90	1.37	1.44
14	A6	1634	CLA	C3D-C4D	-2.90	1.37	1.44
14	A4	842	CLA	C3D-C4D	-2.90	1.37	1.44
14	A5	805	CLA	C3D-C4D	-2.90	1.37	1.44
14	B3	1826	CLA	O2D-CGD	2.90	1.40	1.33
14	B5	1837	CLA	O2A-CGA	2.90	1.40	1.30
14	B6	838	CLA	C4B-NB	2.90	1.37	1.35
14	B4	817	CLA	O2A-CGA	2.90	1.40	1.30
14	B1	853	CLA	O2D-CGD	2.90	1.40	1.33
14	L1	206	CLA	C1D-ND	2.90	1.41	1.37
14	B1	829	CLA	C3D-C4D	-2.90	1.37	1.44
14	B1	841	CLA	C3D-C4D	-2.90	1.37	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	F3	202	CLA	MG-NC	2.90	2.13	2.06
14	B2	824	CLA	C3D-C4D	-2.90	1.37	1.44
14	B3	1813	CLA	O2D-CGD	2.90	1.40	1.33
14	A4	821	CLA	C4B-NB	2.90	1.37	1.35
14	B3	1836	CLA	CHD-C1D	2.90	1.44	1.38
17	A3	853	LHG	P-O3	2.90	1.71	1.59
14	B3	1806	CLA	C3D-C4D	-2.90	1.37	1.44
14	A3	838	CLA	C1D-ND	2.90	1.41	1.37
14	B6	832	CLA	C3D-C4D	-2.90	1.37	1.44
14	B3	1812	CLA	CHC-C1C	2.90	1.42	1.35
14	B2	815	CLA	C4B-NB	2.90	1.37	1.35
14	J1	101	CLA	O2D-CGD	2.90	1.40	1.33
14	J4	102	CLA	CHD-C1D	2.90	1.44	1.38
14	B1	838	CLA	C3D-C4D	-2.90	1.37	1.44
14	A1	833	CLA	MG-NA	2.90	2.13	2.06
14	A4	802	CLA	C3D-C4D	-2.90	1.37	1.44
14	B6	810	CLA	CHC-C1C	2.90	1.42	1.35
14	B3	1809	CLA	C3D-C4D	-2.90	1.37	1.44
14	A5	808	CLA	C3D-C4D	-2.90	1.37	1.44
14	A5	819	CLA	C3D-C4D	-2.90	1.37	1.44
14	B6	822	CLA	O2A-CGA	2.90	1.41	1.33
14	A4	836	CLA	MG-NA	2.90	2.13	2.06
14	A3	835	CLA	O2D-CGD	2.90	1.40	1.33
14	B6	823	CLA	O2A-CGA	2.90	1.40	1.30
14	B5	1818	CLA	C3D-C4D	-2.89	1.37	1.44
14	A5	843	CLA	O2D-CGD	2.89	1.40	1.33
14	A5	810	CLA	C1D-ND	2.89	1.41	1.37
14	J3	101	CLA	C3D-C4D	-2.89	1.37	1.44
14	B2	809	CLA	CHC-C1C	2.89	1.42	1.35
14	A5	805	CLA	O2D-CGD	2.89	1.40	1.33
14	A3	810	CLA	C1D-ND	2.89	1.41	1.37
14	B5	1830	CLA	MG-NA	2.89	2.13	2.06
14	B1	810	CLA	C3D-C4D	-2.89	1.37	1.44
14	B6	838	CLA	O2D-CGD	2.89	1.40	1.33
14	A3	806	CLA	C3D-C4D	-2.89	1.37	1.44
14	A1	804	CLA	O2D-CGD	2.89	1.40	1.33
14	B3	1821	CLA	MG-NA	2.89	2.13	2.06
14	B6	823	CLA	C4B-NB	2.89	1.37	1.35
14	A2	1612	CLA	C1D-ND	2.89	1.41	1.37
14	A6	1614	CLA	C4B-NB	2.89	1.37	1.35
14	A6	1616	CLA	O2D-CGD	2.89	1.40	1.33
14	A6	1617	CLA	O2A-CGA	2.89	1.41	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A3	839	CLA	C1D-ND	2.89	1.41	1.37
14	B5	1843	CLA	C3D-C4D	-2.89	1.37	1.44
14	B3	1824	CLA	MG-NA	2.89	2.13	2.06
14	A3	814	CLA	C4B-NB	2.89	1.37	1.35
14	B3	1830	CLA	C4B-NB	2.89	1.37	1.35
14	A1	840	CLA	O2A-CGA	2.89	1.40	1.30
14	B3	1823	CLA	O2D-CGD	2.89	1.40	1.33
14	L4	204	CLA	C1D-ND	2.89	1.41	1.37
14	A3	833	CLA	C3D-C4D	-2.89	1.37	1.44
14	A3	815	CLA	O2A-CGA	2.89	1.40	1.30
14	A4	820	CLA	O2D-CGD	2.89	1.40	1.33
14	A6	1633	CLA	O2D-CGD	2.89	1.40	1.33
14	A6	1611	CLA	C4B-NB	2.89	1.37	1.35
14	B1	823	CLA	MG-NA	2.89	2.13	2.06
14	L4	201	CLA	O2D-CGD	2.89	1.40	1.33
14	A3	803	CLA	C3D-C4D	-2.89	1.37	1.44
14	J3	101	CLA	O2D-CGD	2.89	1.40	1.33
14	B1	812	CLA	MG-NA	2.89	2.13	2.06
14	A2	1645	CLA	MG-NA	2.89	2.13	2.06
14	B1	826	CLA	C3D-C4D	-2.89	1.37	1.44
14	A2	1617	CLA	O2D-CGD	2.89	1.40	1.33
14	B3	1840	CLA	C4B-NB	2.88	1.37	1.35
14	J5	102	CLA	CHD-C1D	2.88	1.44	1.38
14	B3	1816	CLA	MG-NA	2.88	2.13	2.06
14	B5	1836	CLA	O2A-CGA	2.88	1.40	1.30
14	B5	1813	CLA	O2D-CGD	2.88	1.40	1.33
14	B4	840	CLA	C4B-NB	2.88	1.37	1.35
14	B6	833	CLA	C3D-C4D	-2.88	1.37	1.44
14	B4	835	CLA	O2A-CGA	2.88	1.41	1.33
14	A2	1621	CLA	C3D-C4D	-2.88	1.37	1.44
14	B6	815	CLA	MG-NA	2.88	2.13	2.06
14	B3	1839	CLA	C3D-C4D	-2.88	1.37	1.44
14	B6	821	CLA	O2D-CGD	2.88	1.40	1.33
14	B1	825	CLA	O2D-CGD	2.88	1.40	1.33
14	A6	1651	CLA	C3D-C4D	-2.88	1.37	1.44
16	J5	105	BCR	C30-C25	2.88	1.57	1.53
14	A5	822	CLA	MG-NA	2.88	2.13	2.06
14	A3	816	CLA	C3D-C4D	-2.88	1.37	1.44
14	B5	1806	CLA	C3D-C4D	-2.88	1.37	1.44
14	A2	1645	CLA	C4B-NB	2.88	1.37	1.35
14	B4	814	CLA	C4B-NB	2.88	1.37	1.35
14	A1	829	CLA	C3D-C4D	-2.88	1.37	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B2	823	CLA	O2D-CGD	2.88	1.40	1.33
14	A6	1616	CLA	MG-NA	2.88	2.13	2.06
14	K3	1401	CLA	C3D-C4D	-2.88	1.37	1.44
14	A2	1640	CLA	C4B-NB	2.88	1.37	1.35
14	A4	818	CLA	OBD-CAD	2.88	1.27	1.22
14	B1	834	CLA	O2D-CGD	2.88	1.40	1.33
14	A2	1607	CLA	O2D-CGD	2.88	1.40	1.33
14	A6	1630	CLA	MG-NA	2.88	2.13	2.06
14	B2	818	CLA	C4B-NB	2.88	1.37	1.35
14	J3	101	CLA	O2A-CGA	2.88	1.40	1.30
16	B6	850	BCR	C30-C25	2.88	1.57	1.53
14	A3	814	CLA	C3D-C4D	-2.87	1.37	1.44
14	A4	814	CLA	O2D-CGD	2.87	1.40	1.33
14	A1	828	CLA	MG-NA	2.87	2.13	2.06
14	B4	832	CLA	C3D-C4D	-2.87	1.37	1.44
14	B4	834	CLA	C3D-C4D	-2.87	1.37	1.44
14	B3	1838	CLA	C4B-NB	2.87	1.37	1.35
14	A4	823	CLA	C4B-NB	2.87	1.37	1.35
14	B6	812	CLA	C4B-NB	2.87	1.37	1.35
14	L4	205	CLA	MG-NA	2.87	2.13	2.06
14	A6	1639	CLA	MG-NA	2.87	2.13	2.06
14	B2	822	CLA	C4B-NB	2.87	1.37	1.35
14	B4	826	CLA	O2D-CGD	2.87	1.40	1.33
14	A3	804	CLA	C3D-C4D	-2.87	1.37	1.44
14	B6	811	CLA	MG-NA	2.87	2.13	2.06
14	B3	1827	CLA	C3D-C4D	-2.87	1.37	1.44
19	B1	850	LMG	O7-C10	2.87	1.42	1.34
14	J5	101	CLA	MG-NA	2.87	2.13	2.06
14	B6	815	CLA	O2A-CGA	2.87	1.40	1.30
14	B6	836	CLA	O2D-CGD	2.87	1.40	1.33
14	A1	833	CLA	C4B-NB	2.87	1.37	1.35
14	B6	811	CLA	O2A-CGA	2.87	1.40	1.30
14	A6	1635	CLA	O2A-CGA	2.87	1.40	1.30
14	B4	812	CLA	MG-NA	2.87	2.13	2.06
14	B4	824	CLA	MG-NA	2.87	2.13	2.06
14	A3	812	CLA	O2D-CGD	2.87	1.40	1.33
14	J6	1101	CLA	C3D-C4D	-2.87	1.37	1.44
14	B1	830	CLA	OBD-CAD	2.87	1.27	1.22
14	B2	835	CLA	O2A-CGA	2.87	1.40	1.30
14	B2	827	CLA	C4B-NB	2.87	1.37	1.35
14	B2	810	CLA	O2D-CGD	2.87	1.40	1.33
14	A6	1602	CLA	C1D-ND	2.87	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	L6	208	CLA	MG-NA	2.87	2.13	2.06
14	A1	831	CLA	O2D-CGD	2.87	1.40	1.33
14	B3	1824	CLA	O2A-CGA	2.87	1.41	1.33
14	B1	825	CLA	C3D-C4D	-2.87	1.37	1.44
14	A4	811	CLA	C4B-NB	2.87	1.37	1.35
14	A6	1640	CLA	C4B-NB	2.87	1.37	1.35
14	B4	826	CLA	O2A-CGA	2.87	1.41	1.33
14	A6	1609	CLA	MG-NA	2.87	2.13	2.06
14	B5	1824	CLA	MG-NA	2.87	2.13	2.06
14	B5	1821	CLA	C3D-C4D	-2.87	1.37	1.44
14	B4	810	CLA	C3D-C4D	-2.87	1.37	1.44
17	A1	849	LHG	P-O6	2.87	1.70	1.59
14	A4	803	CLA	C4B-NB	2.87	1.37	1.35
14	A3	808	CLA	C3D-C4D	-2.87	1.37	1.44
16	L1	209	BCR	C30-C25	2.87	1.57	1.53
14	B1	813	CLA	O2A-CGA	2.86	1.40	1.30
14	B6	814	CLA	C4B-NB	2.86	1.37	1.35
14	A2	1605	CLA	C3D-C4D	-2.86	1.37	1.44
14	A4	812	CLA	C3D-C4D	-2.86	1.37	1.44
14	B5	1842	CLA	C3D-C4D	-2.86	1.37	1.44
14	B5	1836	CLA	CHD-C1D	2.86	1.43	1.38
14	L3	205	CLA	MG-NA	2.86	2.13	2.06
14	F2	204	CLA	CHD-C1D	2.86	1.43	1.38
14	B5	1830	CLA	C4B-NB	2.86	1.37	1.35
14	J4	101	CLA	O2A-CGA	2.86	1.40	1.30
14	B6	825	CLA	C3D-C4D	-2.86	1.37	1.44
14	B1	821	CLA	C3D-C4D	-2.86	1.37	1.44
14	K2	1401	CLA	MG-NA	2.86	2.13	2.06
14	B5	1817	CLA	MG-NA	2.86	2.13	2.06
14	A5	821	CLA	O2D-CGD	2.86	1.40	1.33
14	B5	1822	CLA	O2D-CGD	2.86	1.40	1.33
14	A6	1604	CLA	MG-NA	2.86	2.13	2.06
14	A1	816	CLA	O2A-CGA	2.86	1.41	1.33
14	B3	1814	CLA	C3D-C4D	-2.86	1.37	1.44
14	L5	202	CLA	C3D-C4D	-2.86	1.37	1.44
14	B4	822	CLA	O2D-CGD	2.86	1.40	1.33
14	A5	837	CLA	CHD-C1D	2.86	1.43	1.38
14	A6	1625	CLA	C3D-C4D	-2.86	1.37	1.44
14	A3	816	CLA	O2D-CGD	2.86	1.40	1.33
14	A2	1627	CLA	C3D-C4D	-2.86	1.37	1.44
14	A5	833	CLA	C3D-C4D	-2.86	1.37	1.44
14	A3	833	CLA	O2D-CGD	2.86	1.40	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A3	844	CLA	O2A-CGA	2.86	1.40	1.30
14	A6	1621	CLA	O2D-CGD	2.86	1.40	1.33
14	B2	815	CLA	C3D-C4D	-2.86	1.37	1.44
14	B1	854	CLA	CHC-C1C	2.86	1.42	1.35
14	A5	830	CLA	C3D-C4D	-2.86	1.37	1.44
14	J6	1102	CLA	C4B-NB	2.86	1.37	1.35
14	A5	835	CLA	O2A-CGA	2.86	1.40	1.30
14	B3	1815	CLA	O2D-CGD	2.85	1.40	1.33
14	B5	1815	CLA	C4B-NB	2.85	1.37	1.35
14	B4	816	CLA	C3D-C4D	-2.85	1.37	1.44
14	A2	1615	CLA	C3D-C4D	-2.85	1.37	1.44
14	B5	1831	CLA	C3D-C4D	-2.85	1.37	1.44
14	B2	826	CLA	OBD-CAD	2.85	1.27	1.22
14	A2	1641	CLA	C3D-C4D	-2.85	1.37	1.44
14	B6	840	CLA	C1D-ND	2.85	1.41	1.37
14	B5	1836	CLA	C3D-C4D	-2.85	1.37	1.44
17	A5	852	LHG	P-O6	2.85	1.70	1.59
14	B4	832	CLA	O2D-CGD	2.85	1.40	1.33
14	B4	822	CLA	C3D-C4D	-2.85	1.37	1.44
14	A5	811	CLA	C4B-NB	2.85	1.37	1.35
14	A6	1629	CLA	MG-NA	2.85	2.13	2.06
14	B2	839	CLA	C3D-C4D	-2.85	1.37	1.44
14	A3	809	CLA	C3D-C4D	-2.85	1.37	1.44
14	B5	1839	CLA	C4B-NB	2.85	1.37	1.35
14	A3	840	CLA	C3D-C4D	-2.85	1.37	1.44
14	B6	816	CLA	C3D-C4D	-2.85	1.37	1.44
14	B1	816	CLA	C1D-ND	2.85	1.41	1.37
14	A5	814	CLA	O2A-CGA	2.85	1.40	1.30
16	A3	850	BCR	C30-C25	2.85	1.57	1.53
14	A2	1623	CLA	O2D-CGD	2.85	1.40	1.33
14	B5	1813	CLA	O2A-CGA	2.85	1.40	1.30
14	A1	807	CLA	C3D-C4D	-2.85	1.37	1.44
14	J2	101	CLA	O2A-CGA	2.85	1.40	1.30
14	A2	1642	CLA	MG-NA	2.85	2.13	2.06
14	A4	808	CLA	MG-NA	2.85	2.13	2.06
14	A6	1625	CLA	C4B-NB	2.85	1.37	1.35
14	B3	1825	CLA	O2A-CGA	2.85	1.40	1.30
14	A4	807	CLA	C3D-C4D	-2.85	1.37	1.44
14	B3	1835	CLA	C4B-NB	2.85	1.37	1.35
14	B5	1826	CLA	O2D-CGD	2.85	1.40	1.33
14	A2	1645	CLA	O2A-CGA	2.85	1.40	1.30
14	B3	1813	CLA	O2A-CGA	2.85	1.40	1.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	K6	1401	CLA	C1D-ND	2.85	1.41	1.37
14	L6	208	CLA	C3D-C4D	-2.85	1.37	1.44
14	B2	828	CLA	C3D-C4D	-2.85	1.37	1.44
14	A6	1641	CLA	C4B-NB	2.85	1.37	1.35
14	A1	838	CLA	OBD-CAD	2.85	1.27	1.22
14	B2	830	CLA	O2A-CGA	2.84	1.41	1.33
14	A6	1614	CLA	C3D-C4D	-2.84	1.37	1.44
14	B4	852	CLA	O2D-CGD	2.84	1.40	1.33
14	A5	837	CLA	C3D-C4D	-2.84	1.37	1.44
14	B3	1842	CLA	C1D-ND	2.84	1.41	1.37
14	B2	821	CLA	MG-NA	2.84	2.13	2.06
14	K2	1401	CLA	C3D-C4D	-2.84	1.37	1.44
14	B4	817	CLA	MG-NA	2.84	2.13	2.06
14	B4	814	CLA	O2A-CGA	2.84	1.40	1.30
14	B1	821	CLA	MG-NA	2.84	2.13	2.06
14	B2	810	CLA	MG-NA	2.84	2.13	2.06
14	B1	817	CLA	C3D-C4D	-2.84	1.37	1.44
14	A3	830	CLA	C3D-C4D	-2.84	1.37	1.44
14	B3	1813	CLA	C3D-C4D	-2.84	1.37	1.44
14	A4	819	CLA	C3D-C4D	-2.84	1.37	1.44
14	B4	835	CLA	C3D-C4D	-2.84	1.37	1.44
14	B6	835	CLA	C3D-C4D	-2.84	1.37	1.44
14	F6	202	CLA	O2A-CGA	2.84	1.40	1.30
14	A2	1645	CLA	C3D-C4D	-2.84	1.37	1.44
14	B1	801	CLA	CHD-C1D	2.84	1.43	1.38
14	A1	813	CLA	O2A-CGA	2.84	1.40	1.30
14	A2	1610	CLA	C3D-C4D	-2.84	1.37	1.44
14	A2	1608	CLA	C3D-C4D	-2.84	1.37	1.44
14	A3	822	CLA	C4B-NB	2.84	1.37	1.35
14	B6	829	CLA	MG-NC	2.84	2.13	2.06
14	B6	827	CLA	C3D-C4D	-2.84	1.37	1.44
14	A6	1618	CLA	MG-NA	2.84	2.13	2.06
14	M3	1601	CLA	C3D-C4D	-2.84	1.37	1.44
14	A4	818	CLA	C3D-C4D	-2.84	1.37	1.44
14	A6	1641	CLA	O2A-CGA	2.84	1.40	1.30
14	L1	202	CLA	O2D-CGD	2.84	1.40	1.33
14	J3	102	CLA	CHD-C1D	2.84	1.43	1.38
14	A1	824	CLA	O2D-CGD	2.84	1.40	1.33
14	L1	205	CLA	C3D-C4D	-2.84	1.37	1.44
14	B3	1826	CLA	O2A-CGA	2.84	1.41	1.33
14	B4	829	CLA	C3D-C4D	-2.84	1.37	1.44
14	B1	835	CLA	CHD-C1D	2.84	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B3	1815	CLA	C3D-C4D	-2.84	1.37	1.44
14	B5	1824	CLA	O2A-CGA	2.84	1.41	1.33
14	B5	1806	CLA	C4B-NB	2.84	1.37	1.35
14	B5	1821	CLA	C4B-NB	2.84	1.37	1.35
14	L1	207	CLA	C3D-C4D	-2.84	1.37	1.44
14	B1	812	CLA	C1D-ND	2.84	1.41	1.37
14	A1	812	CLA	O2D-CGD	2.84	1.40	1.33
14	A1	809	CLA	C3D-C4D	-2.84	1.37	1.44
14	B4	819	CLA	C3D-C4D	-2.83	1.37	1.44
14	B2	829	CLA	MG-NA	2.83	2.13	2.06
14	B5	1835	CLA	O2D-CGD	2.83	1.40	1.33
14	B2	829	CLA	C3D-C4D	-2.83	1.37	1.44
14	B6	817	CLA	C4B-NB	2.83	1.37	1.35
14	B2	817	CLA	O2D-CGD	2.83	1.40	1.33
14	B4	823	CLA	O2D-CGD	2.83	1.40	1.33
14	B6	836	CLA	C3D-C4D	-2.83	1.37	1.44
14	B4	834	CLA	OBD-CAD	2.83	1.27	1.22
14	J2	101	CLA	O2D-CGD	2.83	1.40	1.33
14	B2	811	CLA	O2A-CGA	2.83	1.40	1.30
14	A5	802	CLA	C4B-NB	2.83	1.37	1.35
14	B3	1832	CLA	C3D-C4D	-2.83	1.37	1.44
14	A5	815	CLA	O2D-CGD	2.83	1.40	1.33
14	A1	818	CLA	C3D-C4D	-2.83	1.37	1.44
14	B4	831	CLA	OBD-CAD	2.83	1.27	1.22
14	A2	1625	CLA	C1D-ND	2.83	1.41	1.37
14	A3	809	CLA	MG-NA	2.83	2.13	2.06
14	B1	812	CLA	O2D-CGD	2.83	1.40	1.33
14	M1	1201	CLA	C3D-C4D	-2.83	1.37	1.44
14	A3	819	CLA	C3D-C4D	-2.83	1.37	1.44
14	B5	1835	CLA	O2A-CGA	2.83	1.41	1.33
14	B4	836	CLA	O2A-CGA	2.83	1.40	1.30
14	K1	1401	CLA	C3D-C4D	-2.83	1.37	1.44
14	J1	101	CLA	O2A-CGA	2.83	1.40	1.30
14	B5	1826	CLA	C3D-C4D	-2.83	1.37	1.44
14	B1	836	CLA	C3D-C4D	-2.83	1.37	1.44
14	A5	840	CLA	MG-NA	2.83	2.13	2.06
14	B3	1828	CLA	C3D-C4D	-2.83	1.37	1.44
14	B1	820	CLA	MG-NA	2.83	2.13	2.06
14	B6	823	CLA	C1D-ND	2.83	1.41	1.37
14	B6	814	CLA	O2D-CGD	2.83	1.40	1.33
14	A3	825	CLA	C3D-C4D	-2.83	1.37	1.44
14	A6	1630	CLA	C3D-C4D	-2.83	1.37	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B1	814	CLA	CHD-C1D	2.83	1.43	1.38
14	B1	840	CLA	C1D-ND	2.83	1.41	1.37
14	B3	1810	CLA	C3D-C4D	-2.83	1.37	1.44
14	J6	1102	CLA	O2A-CGA	2.83	1.40	1.30
14	J1	102	CLA	CHD-C1D	2.83	1.43	1.38
14	B2	812	CLA	O2D-CGD	2.83	1.40	1.33
14	A6	1628	CLA	C3D-C4D	-2.83	1.37	1.44
14	A4	808	CLA	C3D-C4D	-2.83	1.37	1.44
14	A2	1620	CLA	MG-NA	2.83	2.13	2.06
14	B2	814	CLA	MG-NA	2.83	2.13	2.06
14	A2	1611	CLA	C3D-C4D	-2.83	1.37	1.44
14	A2	1628	CLA	C3D-C4D	-2.83	1.37	1.44
14	A6	1608	CLA	C3D-C4D	-2.83	1.37	1.44
14	B6	823	CLA	C3D-C4D	-2.83	1.37	1.44
14	B3	1832	CLA	O2A-CGA	2.83	1.40	1.30
14	A1	815	CLA	C3D-C4D	-2.83	1.37	1.44
14	B3	1826	CLA	C3D-C4D	-2.83	1.37	1.44
14	B3	1831	CLA	C3D-C4D	-2.83	1.37	1.44
14	A2	1626	CLA	C4B-NB	2.83	1.37	1.35
14	A4	815	CLA	C3D-C4D	-2.83	1.37	1.44
14	A5	825	CLA	C3D-C4D	-2.83	1.37	1.44
14	A5	812	CLA	O2D-CGD	2.83	1.40	1.33
14	A1	808	CLA	MG-NA	2.83	2.13	2.06
14	B6	816	CLA	O2A-CGA	2.82	1.41	1.33
17	A6	1650	LHG	P-O6	2.82	1.70	1.59
14	A2	1624	CLA	C1D-ND	2.82	1.41	1.37
14	B3	1836	CLA	C3D-C4D	-2.82	1.37	1.44
14	B6	834	CLA	C3D-C4D	-2.82	1.37	1.44
14	A2	1615	CLA	O2D-CGD	2.82	1.40	1.33
14	A3	836	CLA	O2D-CGD	2.82	1.40	1.33
19	B4	851	LMG	O7-C10	2.82	1.42	1.34
14	K4	1401	CLA	MG-NA	2.82	2.13	2.06
14	J6	1101	CLA	C4B-NB	2.82	1.37	1.35
14	B1	835	CLA	O2A-CGA	2.82	1.40	1.30
14	F4	202	CLA	OBD-CAD	2.82	1.27	1.22
14	B6	819	CLA	C3D-C4D	-2.82	1.37	1.44
14	B3	1829	CLA	C3D-C4D	-2.82	1.37	1.44
14	A6	1614	CLA	O2A-CGA	2.82	1.40	1.30
14	B4	801	CLA	C4B-NB	2.82	1.37	1.35
14	A4	829	CLA	C3D-C4D	-2.82	1.37	1.44
14	B6	814	CLA	C3D-C4D	-2.82	1.37	1.44
14	A3	843	CLA	C3D-C4D	-2.82	1.37	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A3	844	CLA	MG-NA	2.82	2.13	2.06
14	A1	824	CLA	C3D-C4D	-2.82	1.37	1.44
14	B2	833	CLA	C3D-C4D	-2.82	1.37	1.44
14	K6	1401	CLA	C3D-C4D	-2.82	1.37	1.44
14	B5	1822	CLA	C3D-C4D	-2.82	1.37	1.44
14	B3	1835	CLA	C3D-C4D	-2.82	1.37	1.44
16	L5	207	BCR	C30-C25	2.82	1.57	1.53
14	M1	1201	CLA	C4B-NB	2.82	1.37	1.35
14	A2	1632	CLA	C3D-C4D	-2.82	1.37	1.44
14	B2	823	CLA	O2A-CGA	2.82	1.41	1.33
14	B4	822	CLA	MG-NA	2.82	2.13	2.06
14	B5	1809	CLA	CHD-C1D	2.82	1.43	1.38
14	L3	204	CLA	C1D-ND	2.82	1.41	1.37
14	A3	836	CLA	MG-NA	2.82	2.13	2.06
14	B4	815	CLA	O2D-CGD	2.82	1.40	1.33
14	B2	807	CLA	C3D-C4D	-2.82	1.37	1.44
14	B2	812	CLA	C4B-NB	2.82	1.37	1.35
14	B5	1828	CLA	C4B-NB	2.82	1.37	1.35
14	B6	828	CLA	O2A-CGA	2.82	1.41	1.33
14	B6	834	CLA	CHD-C1D	2.82	1.43	1.38
14	B4	824	CLA	O2A-CGA	2.82	1.41	1.33
14	B2	827	CLA	C1D-ND	2.82	1.41	1.37
14	B3	1830	CLA	O2A-CGA	2.82	1.41	1.33
14	A1	830	CLA	O2D-CGD	2.82	1.40	1.33
14	B1	818	CLA	C3D-C4D	-2.82	1.37	1.44
14	B2	826	CLA	C3D-C4D	-2.82	1.37	1.44
14	A2	1620	CLA	C4B-NB	2.82	1.37	1.35
14	A6	1610	CLA	C1D-ND	2.82	1.41	1.37
14	A5	825	CLA	O2D-CGD	2.82	1.40	1.33
14	A4	807	CLA	O2D-CGD	2.82	1.40	1.33
14	A2	1607	CLA	C3D-C4D	-2.82	1.37	1.44
14	A5	839	CLA	C3D-C4D	-2.82	1.37	1.44
14	B1	832	CLA	O2D-CGD	2.82	1.40	1.33
14	B2	838	CLA	MG-NA	2.82	2.13	2.06
14	B4	818	CLA	C3D-C4D	-2.82	1.37	1.44
14	B6	810	CLA	MG-NA	2.81	2.13	2.06
14	B4	828	CLA	C4B-NB	2.81	1.37	1.35
14	J4	101	CLA	CHD-C1D	2.81	1.43	1.38
14	A3	828	CLA	C3D-C4D	-2.81	1.37	1.44
14	B4	831	CLA	C3D-C4D	-2.81	1.37	1.44
14	B6	824	CLA	O2A-CGA	2.81	1.41	1.33
14	B2	811	CLA	C3D-C4D	-2.81	1.37	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B6	820	CLA	C3D-C4D	-2.81	1.37	1.44
14	A2	1630	CLA	O2D-CGD	2.81	1.40	1.33
14	A3	805	CLA	O2D-CGD	2.81	1.40	1.33
14	B6	828	CLA	C1D-ND	2.81	1.41	1.37
14	A5	817	CLA	O2A-CGA	2.81	1.41	1.33
14	B1	835	CLA	C3D-C4D	-2.81	1.37	1.44
14	A3	834	CLA	O2D-CGD	2.81	1.40	1.33
14	B2	832	CLA	C3D-C4D	-2.81	1.37	1.44
14	A6	1615	CLA	O2D-CGD	2.81	1.40	1.33
14	A3	811	CLA	C4B-NB	2.81	1.37	1.35
14	F2	204	CLA	C3D-C4D	-2.81	1.37	1.44
14	A4	842	CLA	O2A-CGA	2.81	1.40	1.30
14	B6	815	CLA	C1D-ND	2.81	1.41	1.37
14	B6	834	CLA	O2A-CGA	2.81	1.40	1.30
14	A5	826	CLA	C3D-C4D	-2.81	1.37	1.44
14	B6	818	CLA	OBD-CAD	2.81	1.27	1.22
14	B5	1841	CLA	C1D-ND	2.81	1.41	1.37
14	B4	839	CLA	C4B-NB	2.81	1.37	1.35
14	A4	812	CLA	O2D-CGD	2.81	1.40	1.33
14	A5	810	CLA	MG-NA	2.81	2.12	2.06
14	B6	830	CLA	C3D-C4D	-2.81	1.37	1.44
14	L2	202	CLA	O2D-CGD	2.81	1.40	1.33
14	A2	1616	CLA	O2A-CGA	2.81	1.40	1.30
14	B4	801	CLA	CHD-C1D	2.81	1.43	1.38
14	B1	836	CLA	O2D-CGD	2.81	1.40	1.33
16	B1	852	BCR	C30-C25	2.81	1.57	1.53
14	A1	839	CLA	C3D-C4D	-2.81	1.37	1.44
14	A6	1601	CLA	C3D-C4D	-2.81	1.37	1.44
14	A1	818	CLA	C4B-NB	2.81	1.37	1.35
14	L6	202	CLA	C3D-C4D	-2.81	1.37	1.44
14	B6	824	CLA	O2D-CGD	2.81	1.40	1.33
14	A2	1610	CLA	O2D-CGD	2.81	1.40	1.33
14	A6	1612	CLA	O2D-CGD	2.80	1.40	1.33
14	K5	101	CLA	O2A-CGA	2.80	1.40	1.30
14	A2	1617	CLA	MG-NA	2.80	2.12	2.06
14	B3	1803	CLA	C1D-ND	2.80	1.41	1.37
14	B1	827	CLA	C4B-NB	2.80	1.37	1.35
14	B2	820	CLA	O2A-CGA	2.80	1.40	1.30
14	B1	831	CLA	O2D-CGD	2.80	1.40	1.33
14	B5	1832	CLA	O2D-CGD	2.80	1.40	1.33
14	B3	1821	CLA	C3D-C4D	-2.80	1.37	1.44
14	B5	1825	CLA	C3D-C4D	-2.80	1.37	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B6	811	CLA	C1D-ND	2.80	1.41	1.37
14	B2	832	CLA	O2D-CGD	2.80	1.40	1.33
14	A2	1637	CLA	O2D-CGD	2.80	1.40	1.33
14	B4	808	CLA	CHD-C1D	2.80	1.43	1.38
14	A4	803	CLA	C3D-C4D	-2.80	1.37	1.44
14	B2	815	CLA	O2A-CGA	2.80	1.41	1.33
16	A4	844	BCR	C30-C25	2.80	1.57	1.53
14	B4	830	CLA	O2A-CGA	2.80	1.41	1.33
14	A3	826	CLA	C3D-C4D	-2.80	1.37	1.44
19	B5	1851	LMG	O7-C10	2.80	1.42	1.34
14	L5	205	CLA	C4B-NB	2.80	1.37	1.35
14	A3	814	CLA	O2A-CGA	2.80	1.40	1.30
14	K5	102	CLA	C3D-C4D	-2.80	1.37	1.44
14	B2	827	CLA	O2A-CGA	2.80	1.41	1.33
14	B3	1838	CLA	O2D-CGD	2.80	1.40	1.33
14	B1	837	CLA	O2D-CGD	2.80	1.40	1.33
14	B6	833	CLA	O2D-CGD	2.80	1.40	1.33
14	L5	206	CLA	C3D-C4D	-2.80	1.37	1.44
14	A6	1627	CLA	O2A-CGA	2.80	1.41	1.33
14	A4	827	CLA	O2D-CGD	2.80	1.40	1.33
14	A5	831	CLA	O2D-CGD	2.80	1.40	1.33
14	B4	814	CLA	C3D-C4D	-2.80	1.37	1.44
14	A2	1631	CLA	MG-NA	2.80	2.12	2.06
17	A3	854	LHG	P-O6	2.80	1.70	1.59
14	B5	1822	CLA	MG-NA	2.80	2.12	2.06
14	B4	842	CLA	C1D-ND	2.80	1.41	1.37
14	B4	836	CLA	CHD-C1D	2.80	1.43	1.38
14	A5	829	CLA	C3D-C4D	-2.80	1.37	1.44
14	A2	1641	CLA	O2D-CGD	2.79	1.40	1.33
14	L5	205	CLA	C1D-ND	2.79	1.41	1.37
14	B4	824	CLA	C4B-NB	2.79	1.37	1.35
14	A5	816	CLA	C4B-NB	2.79	1.37	1.35
14	B3	1822	CLA	C3D-C4D	-2.79	1.37	1.44
14	B3	1830	CLA	O2D-CGD	2.79	1.40	1.33
14	B1	830	CLA	C3B-C2B	2.79	1.44	1.40
14	I1	101	CLA	C3D-C4D	-2.79	1.37	1.44
14	B1	832	CLA	O2A-CGA	2.79	1.41	1.33
14	A6	1626	CLA	C3D-C4D	-2.79	1.37	1.44
16	B3	1851	BCR	C30-C25	2.79	1.57	1.53
14	B4	820	CLA	C3B-C2B	2.79	1.44	1.40
14	A3	829	CLA	C3D-C4D	-2.79	1.37	1.44
14	A3	802	CLA	C4B-NB	2.79	1.37	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B3	1806	CLA	C4B-NB	2.79	1.37	1.35
14	B3	1815	CLA	C4B-NB	2.79	1.37	1.35
14	B1	854	CLA	MG-NA	2.79	2.12	2.06
14	B5	1842	CLA	C1D-ND	2.79	1.41	1.37
14	A5	835	CLA	C4B-NB	2.79	1.37	1.35
14	B6	831	CLA	O2A-CGA	2.79	1.41	1.33
14	J4	102	CLA	C3D-C4D	-2.79	1.37	1.44
14	A5	829	CLA	MG-NA	2.79	2.12	2.06
14	B6	812	CLA	O2A-CGA	2.79	1.40	1.30
14	A4	838	CLA	C3D-C4D	-2.79	1.37	1.44
14	B1	809	CLA	CHD-C1D	2.79	1.43	1.38
14	A3	804	CLA	MG-NA	2.79	2.12	2.06
14	X5	101	CLA	MG-NC	2.79	2.12	2.06
14	A2	1601	CLA	O2A-CGA	2.79	1.40	1.30
14	B5	1823	CLA	O2A-CGA	2.79	1.40	1.30
14	A5	815	CLA	O2A-CGA	2.79	1.40	1.30
14	B1	817	CLA	C1D-ND	2.79	1.41	1.37
14	A2	1642	CLA	O2D-CGD	2.79	1.40	1.33
14	A2	1621	CLA	OBD-CAD	2.79	1.27	1.22
14	A2	1639	CLA	MG-NA	2.79	2.12	2.06
14	J2	101	CLA	MG-NA	2.79	2.12	2.06
14	B3	1833	CLA	O2A-CGA	2.79	1.41	1.33
14	F1	1301	CLA	O2A-CGA	2.79	1.40	1.30
14	B6	819	CLA	C4B-NB	2.79	1.37	1.35
14	B5	1832	CLA	O2A-CGA	2.79	1.40	1.30
14	B1	816	CLA	MG-NA	2.79	2.12	2.06
14	A6	1618	CLA	O2D-CGD	2.79	1.40	1.33
14	B5	1818	CLA	O2A-CGA	2.79	1.41	1.33
14	B3	1837	CLA	C3D-C4D	-2.79	1.37	1.44
14	L5	206	CLA	MG-NA	2.79	2.12	2.06
14	J5	101	CLA	O2A-CGA	2.79	1.40	1.30
14	F3	202	CLA	O2A-CGA	2.79	1.40	1.30
14	B2	828	CLA	OBD-CAD	2.79	1.27	1.22
14	A1	814	CLA	O2A-CGA	2.79	1.40	1.30
14	A4	824	CLA	O2D-CGD	2.79	1.40	1.33
14	K4	1401	CLA	C3D-C4D	-2.79	1.37	1.44
14	A5	838	CLA	C4B-NB	2.79	1.37	1.35
14	B6	811	CLA	O2D-CGD	2.79	1.40	1.33
14	A3	813	CLA	C3D-C4D	-2.78	1.37	1.44
14	A4	818	CLA	MG-NA	2.78	2.12	2.06
14	A1	809	CLA	O2D-CGD	2.78	1.40	1.33
14	B1	819	CLA	O2D-CGD	2.78	1.40	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A6	1634	CLA	O2D-CGD	2.78	1.40	1.33
14	A1	840	CLA	MG-NA	2.78	2.12	2.06
14	A1	832	CLA	O2D-CGD	2.78	1.40	1.33
14	B5	1816	CLA	O2D-CGD	2.78	1.40	1.33
14	A2	1616	CLA	C3D-C4D	-2.78	1.37	1.44
14	L2	207	CLA	C3D-C4D	-2.78	1.37	1.44
14	B1	803	CLA	C3D-C4D	-2.78	1.37	1.44
14	B2	835	CLA	O2D-CGD	2.78	1.40	1.33
14	A4	817	CLA	MG-NA	2.78	2.12	2.06
14	B3	1814	CLA	C4B-NB	2.78	1.37	1.35
14	A3	828	CLA	O2D-CGD	2.78	1.40	1.33
14	B2	832	CLA	O2A-CGA	2.78	1.41	1.33
14	B5	1820	CLA	OBD-CAD	2.78	1.27	1.22
14	J6	1102	CLA	O2D-CGD	2.78	1.40	1.33
14	B2	828	CLA	MG-NC	2.78	2.12	2.06
14	A5	825	CLA	C4B-NB	2.78	1.37	1.35
14	B5	1812	CLA	C3D-C4D	-2.78	1.37	1.44
14	A1	833	CLA	O2D-CGD	2.78	1.40	1.33
14	A4	809	CLA	O2D-CGD	2.78	1.40	1.33
14	B1	814	CLA	MG-NA	2.78	2.12	2.06
14	B2	818	CLA	MG-NA	2.78	2.12	2.06
14	A4	825	CLA	C3D-C4D	-2.78	1.37	1.44
14	A2	1611	CLA	MG-NA	2.78	2.12	2.06
14	B5	1827	CLA	CHD-C1D	2.78	1.43	1.38
14	A1	823	CLA	C4B-NB	2.78	1.37	1.35
14	B4	818	CLA	C1D-ND	2.78	1.41	1.37
14	A3	825	CLA	C4B-NB	2.78	1.37	1.35
14	B1	818	CLA	O2D-CGD	2.78	1.40	1.33
14	A6	1635	CLA	O2D-CGD	2.78	1.40	1.33
14	A3	804	CLA	O2D-CGD	2.78	1.40	1.33
14	B2	821	CLA	O2A-CGA	2.78	1.41	1.33
14	A3	823	CLA	O2A-CGA	2.78	1.41	1.33
14	A1	815	CLA	O2D-CGD	2.78	1.40	1.33
14	B1	817	CLA	C4B-NB	2.78	1.37	1.35
14	A2	1630	CLA	C3D-C4D	-2.78	1.37	1.44
14	B4	813	CLA	C3D-C4D	-2.78	1.37	1.44
14	A6	1615	CLA	O2A-CGA	2.78	1.40	1.30
14	B5	1831	CLA	OBD-CAD	2.78	1.27	1.22
14	F5	1301	CLA	O2D-CGD	2.78	1.40	1.33
14	L4	205	CLA	C3D-C4D	-2.78	1.37	1.44
14	A5	839	CLA	O2D-CGD	2.78	1.40	1.33
14	A6	1637	CLA	CHD-C1D	2.77	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	J5	102	CLA	C3D-C4D	-2.77	1.37	1.44
14	B1	822	CLA	O2A-CGA	2.77	1.40	1.30
14	B2	809	CLA	C3D-C4D	-2.77	1.37	1.44
14	B1	832	CLA	C1D-ND	2.77	1.41	1.37
14	A1	837	CLA	O2D-CGD	2.77	1.40	1.33
14	A3	844	CLA	C4B-NB	2.77	1.37	1.35
14	B4	819	CLA	O2D-CGD	2.77	1.40	1.33
14	B3	1823	CLA	O2A-CGA	2.77	1.40	1.30
14	B2	814	CLA	C3D-C4D	-2.77	1.37	1.44
14	B6	816	CLA	C1D-ND	2.77	1.41	1.37
14	A1	801	CLA	MG-NA	2.77	2.12	2.06
14	A6	1623	CLA	CHD-C1D	2.77	1.43	1.38
14	B6	812	CLA	CHD-C1D	2.77	1.43	1.38
14	B6	833	CLA	O2A-CGA	2.77	1.41	1.33
14	A4	828	CLA	MG-NA	2.77	2.12	2.06
14	B6	836	CLA	O2A-CGA	2.77	1.40	1.30
14	B6	803	CLA	C3D-C4D	-2.77	1.37	1.44
14	B6	810	CLA	C3D-C4D	-2.77	1.37	1.44
14	F2	202	CLA	O2D-CGD	2.77	1.40	1.33
14	A3	816	CLA	C4B-NB	2.77	1.37	1.35
14	A1	835	CLA	CHD-C1D	2.77	1.43	1.38
14	A4	836	CLA	CHD-C1D	2.77	1.43	1.38
14	A1	818	CLA	OBD-CAD	2.77	1.27	1.22
14	L3	205	CLA	C1D-ND	2.77	1.41	1.37
16	F4	204	BCR	C30-C25	2.77	1.57	1.53
14	B2	823	CLA	C3D-C4D	-2.77	1.37	1.44
14	B4	837	CLA	O2A-CGA	2.77	1.40	1.30
14	F4	202	CLA	O2A-CGA	2.77	1.40	1.30
14	A5	802	CLA	CHD-C1D	2.77	1.43	1.38
14	B6	816	CLA	C4B-NB	2.77	1.37	1.35
14	B4	825	CLA	C3D-C4D	-2.77	1.37	1.44
14	A6	1632	CLA	C3D-C4D	-2.77	1.37	1.44
14	A4	803	CLA	O2D-CGD	2.77	1.40	1.33
14	B3	1841	CLA	MG-NA	2.77	2.12	2.06
14	A3	815	CLA	O2D-CGD	2.77	1.40	1.33
14	B2	833	CLA	O2A-CGA	2.77	1.40	1.30
14	A2	1618	CLA	C3D-C4D	-2.77	1.37	1.44
14	A2	1617	CLA	O2A-CGA	2.77	1.40	1.30
14	A6	1608	CLA	O2D-CGD	2.77	1.40	1.33
14	J1	102	CLA	C3D-C4D	-2.77	1.37	1.44
14	B4	826	CLA	C3D-C4D	-2.77	1.37	1.44
14	B5	1832	CLA	C3D-C4D	-2.77	1.37	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	L6	207	CLA	C4B-NB	2.77	1.37	1.35
14	B5	1814	CLA	C4B-NB	2.77	1.37	1.35
14	B2	820	CLA	C3D-C4D	-2.77	1.37	1.44
14	B6	824	CLA	C3D-C4D	-2.77	1.37	1.44
14	A5	828	CLA	C3D-C4D	-2.77	1.37	1.44
14	A2	1612	CLA	O2D-CGD	2.77	1.39	1.33
14	A3	803	CLA	C4B-NB	2.77	1.37	1.35
14	B3	1827	CLA	MG-NA	2.77	2.12	2.06
14	A5	841	CLA	OBD-CAD	2.77	1.27	1.22
14	A2	1621	CLA	MG-NA	2.76	2.12	2.06
14	B6	813	CLA	C3D-C4D	-2.76	1.37	1.44
14	B4	806	CLA	C4B-NB	2.76	1.37	1.35
14	A3	810	CLA	O2A-CGA	2.76	1.40	1.30
14	A1	826	CLA	O2A-CGA	2.76	1.41	1.33
14	A6	1628	CLA	O2D-CGD	2.76	1.39	1.33
14	B4	823	CLA	C3D-C4D	-2.76	1.37	1.44
14	A1	811	CLA	MG-NA	2.76	2.12	2.06
14	J5	101	CLA	C4B-NB	2.76	1.37	1.35
14	J3	102	CLA	C3D-C4D	-2.76	1.37	1.44
14	B5	1838	CLA	O2D-CGD	2.76	1.39	1.33
14	B3	1842	CLA	O2A-CGA	2.76	1.41	1.33
14	A4	834	CLA	MG-NA	2.76	2.12	2.06
14	B3	1836	CLA	O2A-CGA	2.76	1.40	1.30
14	B5	1815	CLA	O2D-CGD	2.76	1.39	1.33
14	B4	827	CLA	CHD-C1D	2.76	1.43	1.38
14	A1	808	CLA	C3D-C4D	-2.76	1.37	1.44
14	A2	1628	CLA	O2D-CGD	2.76	1.39	1.33
14	A6	1612	CLA	MG-NA	2.76	2.12	2.06
14	A1	802	CLA	C3D-C4D	-2.76	1.37	1.44
14	A5	823	CLA	CHD-C1D	2.76	1.43	1.38
14	B5	1808	CLA	CHD-C1D	2.76	1.43	1.38
14	B4	813	CLA	MG-NA	2.76	2.12	2.06
14	A4	832	CLA	C3D-C4D	-2.76	1.37	1.44
14	A4	817	CLA	O2D-CGD	2.76	1.39	1.33
14	B1	812	CLA	C3D-C4D	-2.76	1.37	1.44
14	A3	823	CLA	C1D-ND	2.76	1.41	1.37
14	B5	1833	CLA	O2A-CGA	2.76	1.41	1.33
14	B3	1837	CLA	O2A-CGA	2.76	1.40	1.30
14	L3	203	CLA	C3D-C4D	-2.76	1.37	1.44
14	B5	1814	CLA	C3D-C4D	-2.76	1.37	1.44
14	B2	834	CLA	C3D-C4D	-2.76	1.37	1.44
14	K2	1401	CLA	C1D-ND	2.76	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B5	1831	CLA	MG-NC	2.76	2.12	2.06
14	B5	1818	CLA	O2D-CGD	2.76	1.39	1.33
14	A3	808	CLA	O2D-CGD	2.76	1.39	1.33
14	B1	836	CLA	O2A-CGA	2.76	1.40	1.30
14	A3	839	CLA	C4B-NB	2.76	1.37	1.35
14	B3	1835	CLA	O2A-CGA	2.76	1.41	1.33
14	A4	833	CLA	O2D-CGD	2.76	1.39	1.33
14	A2	1603	CLA	CHD-C1D	2.76	1.43	1.38
14	B6	840	CLA	O2A-CGA	2.76	1.41	1.33
14	L2	207	CLA	C1D-ND	2.76	1.41	1.37
14	A4	821	CLA	C1D-ND	2.76	1.41	1.37
14	A5	835	CLA	MG-NA	2.76	2.12	2.06
14	A4	840	CLA	OBD-CAD	2.76	1.27	1.22
14	B4	801	CLA	MG-NA	2.76	2.12	2.06
14	A6	1635	CLA	MG-NA	2.76	2.12	2.06
14	A6	1637	CLA	MG-NA	2.76	2.12	2.06
14	B4	825	CLA	C1D-ND	2.76	1.41	1.37
14	B4	816	CLA	CHD-C1D	2.76	1.43	1.38
14	B1	830	CLA	C3D-C4D	-2.76	1.38	1.44
14	A3	819	CLA	MG-NA	2.76	2.12	2.06
14	A2	1604	CLA	C3D-C4D	-2.76	1.38	1.44
14	B6	814	CLA	MG-NA	2.75	2.12	2.06
14	A1	817	CLA	O2D-CGD	2.75	1.39	1.33
14	B1	840	CLA	C4B-NB	2.75	1.37	1.35
14	I6	101	CLA	CHD-C1D	2.75	1.43	1.38
14	L1	207	CLA	C1D-ND	2.75	1.41	1.37
14	A1	822	CLA	O2A-CGA	2.75	1.41	1.33
14	B3	1833	CLA	O2D-CGD	2.75	1.39	1.33
14	B4	835	CLA	O2D-CGD	2.75	1.39	1.33
14	A2	1617	CLA	C3D-C4D	-2.75	1.38	1.44
14	L3	205	CLA	C3D-C4D	-2.75	1.38	1.44
14	A4	827	CLA	C3D-C4D	-2.75	1.38	1.44
14	A6	1609	CLA	C3D-C4D	-2.75	1.38	1.44
14	A6	1623	CLA	O2A-CGA	2.75	1.41	1.33
14	K5	101	CLA	MG-NA	2.75	2.12	2.06
14	B5	1830	CLA	O2A-CGA	2.75	1.41	1.33
14	K1	1401	CLA	MG-NA	2.75	2.12	2.06
14	A1	835	CLA	C3D-C4D	-2.75	1.38	1.44
14	B5	1820	CLA	O2D-CGD	2.75	1.39	1.33
14	B3	1808	CLA	CHD-C1D	2.75	1.43	1.38
14	B4	812	CLA	C3D-C4D	-2.75	1.38	1.44
14	B1	815	CLA	O2D-CGD	2.75	1.39	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B3	1825	CLA	C1D-ND	2.75	1.41	1.37
16	L3	201	BCR	C30-C25	2.75	1.57	1.53
14	J3	101	CLA	C4B-NB	2.75	1.37	1.35
14	B5	1814	CLA	O2A-CGA	2.75	1.40	1.30
14	B4	818	CLA	O2A-CGA	2.75	1.41	1.33
14	B2	814	CLA	C1D-ND	2.75	1.41	1.37
14	B5	1838	CLA	O2A-CGA	2.75	1.40	1.30
14	A3	829	CLA	MG-NA	2.75	2.12	2.06
14	J6	1102	CLA	MG-NA	2.75	2.12	2.06
14	K5	102	CLA	MG-NA	2.75	2.12	2.06
14	B6	807	CLA	CHD-C1D	2.75	1.43	1.38
14	A5	818	CLA	MG-NA	2.75	2.12	2.06
14	B1	823	CLA	C3D-C4D	-2.75	1.38	1.44
14	B2	822	CLA	C3D-C4D	-2.75	1.38	1.44
14	A6	1615	CLA	C3D-C4D	-2.75	1.38	1.44
14	B5	1816	CLA	C3D-C4D	-2.75	1.38	1.44
14	B1	853	CLA	OBD-CAD	2.75	1.27	1.22
14	A5	812	CLA	C4B-NB	2.75	1.37	1.35
14	A2	1624	CLA	CHD-C1D	2.75	1.43	1.38
14	F4	202	CLA	O2D-CGD	2.75	1.39	1.33
14	A3	832	CLA	O2A-CGA	2.75	1.41	1.33
14	L5	204	CLA	C3D-C4D	-2.75	1.38	1.44
14	A4	808	CLA	MG-NC	2.75	2.12	2.06
14	A5	810	CLA	O2A-CGA	2.75	1.40	1.30
14	A1	807	CLA	C4B-NB	2.75	1.37	1.35
14	A5	835	CLA	O2D-CGD	2.75	1.39	1.33
14	A1	804	CLA	C3D-C4D	-2.75	1.38	1.44
14	A5	815	CLA	C3D-C4D	-2.74	1.38	1.44
14	L3	204	CLA	MG-NA	2.74	2.12	2.06
14	B3	1830	CLA	C1D-ND	2.74	1.41	1.37
14	B2	801	CLA	C4B-NB	2.74	1.37	1.35
14	B3	1816	CLA	C3D-C4D	-2.74	1.38	1.44
14	B4	837	CLA	O2D-CGD	2.74	1.39	1.33
14	B4	802	CLA	C3D-C4D	-2.74	1.38	1.44
14	A1	819	CLA	O2A-CGA	2.74	1.41	1.33
14	B6	811	CLA	C3D-C4D	-2.74	1.38	1.44
14	B6	829	CLA	C3D-C4D	-2.74	1.38	1.44
14	F1	1301	CLA	O2D-CGD	2.74	1.39	1.33
14	K1	1401	CLA	C1D-ND	2.74	1.41	1.37
14	K6	1401	CLA	MG-NA	2.74	2.12	2.06
14	B1	831	CLA	O2A-CGA	2.74	1.40	1.30
14	A1	827	CLA	C3D-C4D	-2.74	1.38	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B3	1801	CLA	OBD-CAD	2.74	1.27	1.22
14	B3	1809	CLA	O2D-CGD	2.74	1.39	1.33
14	A4	830	CLA	O2D-CGD	2.74	1.39	1.33
14	B3	1805	CLA	C1D-ND	2.74	1.41	1.37
14	B1	829	CLA	O2A-CGA	2.74	1.41	1.33
14	B4	815	CLA	C4B-NB	2.74	1.37	1.35
14	B6	837	CLA	MG-NA	2.74	2.12	2.06
14	B1	803	CLA	O2D-CGD	2.74	1.39	1.33
14	B4	833	CLA	O2A-CGA	2.74	1.41	1.33
14	A3	802	CLA	MG-NA	2.74	2.12	2.06
14	B1	834	CLA	O2A-CGA	2.74	1.41	1.33
14	A5	813	CLA	C3D-C4D	-2.74	1.38	1.44
14	A3	841	CLA	O2D-CGD	2.74	1.39	1.33
14	A5	803	CLA	C3D-C4D	-2.74	1.38	1.44
14	A2	1633	CLA	O2D-CGD	2.74	1.39	1.33
14	B6	831	CLA	O2D-CGD	2.74	1.39	1.33
14	A6	1619	CLA	OBD-CAD	2.74	1.27	1.22
14	A2	1629	CLA	O2A-CGA	2.74	1.41	1.33
14	A4	814	CLA	O2A-CGA	2.74	1.39	1.30
14	B1	806	CLA	C1D-ND	2.74	1.41	1.37
14	B2	810	CLA	C3D-C4D	-2.74	1.38	1.44
14	B3	1817	CLA	C3D-C4D	-2.74	1.38	1.44
14	B1	822	CLA	C3D-C4D	-2.74	1.38	1.44
14	B5	1837	CLA	C3D-C4D	-2.74	1.38	1.44
14	B3	1820	CLA	OBD-CAD	2.74	1.27	1.22
14	B6	835	CLA	O2D-CGD	2.74	1.39	1.33
14	B1	824	CLA	C3D-C4D	-2.74	1.38	1.44
14	A4	813	CLA	C3D-C4D	-2.74	1.38	1.44
14	B1	808	CLA	CHD-C1D	2.74	1.43	1.38
14	L6	202	CLA	O2A-CGA	2.74	1.41	1.33
14	F3	202	CLA	O2D-CGD	2.73	1.39	1.33
14	B6	814	CLA	C1D-ND	2.73	1.41	1.37
14	B6	828	CLA	O2D-CGD	2.73	1.39	1.33
14	A1	818	CLA	MG-NA	2.73	2.12	2.06
14	B6	830	CLA	O2A-CGA	2.73	1.39	1.30
14	B3	1823	CLA	C3D-C4D	-2.73	1.38	1.44
14	A5	801	CLA	MG-NA	2.73	2.12	2.06
14	L2	206	CLA	C1D-ND	2.73	1.41	1.37
14	A2	1625	CLA	CHD-C1D	2.73	1.43	1.38
14	B4	837	CLA	C3D-C4D	-2.73	1.38	1.44
14	A2	1603	CLA	MG-NA	2.73	2.12	2.06
14	B6	821	CLA	C3D-C4D	-2.73	1.38	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A2	1627	CLA	O2D-CGD	2.73	1.39	1.33
14	B4	820	CLA	O2D-CGD	2.73	1.39	1.33
14	A1	820	CLA	CHD-C1D	2.73	1.43	1.38
14	B2	836	CLA	MG-NA	2.73	2.12	2.06
14	A4	816	CLA	O2D-CGD	2.73	1.39	1.33
14	L1	201	CLA	O2A-CGA	2.73	1.41	1.33
14	A4	822	CLA	O2A-CGA	2.73	1.41	1.33
14	A5	832	CLA	O2A-CGA	2.73	1.41	1.33
14	B6	839	CLA	C4B-NB	2.73	1.37	1.35
14	B1	817	CLA	O2A-CGA	2.73	1.41	1.33
14	A1	816	CLA	O2D-CGD	2.73	1.39	1.33
14	A3	842	CLA	OBD-CAD	2.73	1.27	1.22
14	A1	830	CLA	C4B-NB	2.73	1.37	1.35
14	A4	809	CLA	MG-NC	2.73	2.12	2.06
14	A5	814	CLA	C3D-C4D	-2.73	1.38	1.44
14	A3	829	CLA	O2D-CGD	2.73	1.39	1.33
14	A6	1604	CLA	O2D-CGD	2.73	1.39	1.33
14	A6	1614	CLA	C1D-ND	2.73	1.41	1.37
14	L5	206	CLA	C1D-ND	2.73	1.41	1.37
14	B5	1833	CLA	O2D-CGD	2.73	1.39	1.33
14	B2	835	CLA	C3D-C4D	-2.73	1.38	1.44
14	A3	841	CLA	C3D-C4D	-2.73	1.38	1.44
14	A2	1637	CLA	MG-NA	2.73	2.12	2.06
14	A4	811	CLA	MG-NA	2.73	2.12	2.06
14	B2	834	CLA	O2A-CGA	2.73	1.39	1.30
14	B4	809	CLA	CHD-C1D	2.73	1.43	1.38
14	A4	810	CLA	O2D-CGD	2.73	1.39	1.33
14	B3	1802	CLA	C3D-C4D	-2.73	1.38	1.44
14	J4	101	CLA	MG-NA	2.73	2.12	2.06
14	A6	1602	CLA	MG-NA	2.73	2.12	2.06
14	A2	1606	CLA	O2D-CGD	2.73	1.39	1.33
14	B1	813	CLA	CHD-C1D	2.73	1.43	1.38
14	A2	1614	CLA	CHD-C1D	2.73	1.43	1.38
14	A2	1643	CLA	C4B-NB	2.73	1.37	1.35
14	A1	817	CLA	MG-NA	2.73	2.12	2.06
14	A6	1603	CLA	C3D-C4D	-2.73	1.38	1.44
14	A6	1610	CLA	O2D-CGD	2.73	1.39	1.33
14	A2	1614	CLA	MG-NA	2.73	2.12	2.06
14	B1	829	CLA	C1D-ND	2.73	1.41	1.37
14	B5	1840	CLA	C4B-NB	2.73	1.37	1.35
14	A5	820	CLA	O2A-CGA	2.73	1.41	1.33
14	A5	815	CLA	CHD-C1D	2.73	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B5	1814	CLA	CHD-C1D	2.73	1.43	1.38
14	B1	810	CLA	C1D-ND	2.73	1.41	1.37
14	B6	803	CLA	O2D-CGD	2.73	1.39	1.33
14	B1	839	CLA	C4B-NB	2.73	1.37	1.35
14	A2	1639	CLA	C4B-NB	2.73	1.37	1.35
14	A6	1605	CLA	C3D-C4D	-2.72	1.38	1.44
14	B4	838	CLA	O2D-CGD	2.72	1.39	1.33
14	B1	813	CLA	C3D-C4D	-2.72	1.38	1.44
14	B1	814	CLA	C3D-C4D	-2.72	1.38	1.44
14	A6	1637	CLA	C3D-C4D	-2.72	1.38	1.44
14	A6	1620	CLA	O2A-CGA	2.72	1.41	1.33
14	B5	1827	CLA	C4B-NB	2.72	1.37	1.35
14	A5	811	CLA	O2D-CGD	2.72	1.39	1.33
14	A5	816	CLA	C3D-C4D	-2.72	1.38	1.44
14	B5	1802	CLA	C3D-C4D	-2.72	1.38	1.44
14	B6	835	CLA	O2A-CGA	2.72	1.39	1.30
14	A2	1614	CLA	O2A-CGA	2.72	1.41	1.33
14	J5	101	CLA	CHD-C1D	2.72	1.43	1.38
14	B5	1817	CLA	OBD-CAD	2.72	1.27	1.22
14	A5	817	CLA	O2D-CGD	2.72	1.39	1.33
14	X2	1701	CLA	O2A-CGA	2.72	1.39	1.30
14	B2	828	CLA	C3B-C2B	2.72	1.44	1.40
14	A6	1612	CLA	C4B-NB	2.72	1.37	1.35
14	B5	1815	CLA	C3D-C4D	-2.72	1.38	1.44
14	A5	802	CLA	MG-NA	2.72	2.12	2.06
14	B4	826	CLA	CHD-C1D	2.72	1.43	1.38
14	B3	1831	CLA	OBD-CAD	2.72	1.27	1.22
14	A2	1633	CLA	C4B-NB	2.72	1.37	1.35
14	A6	1611	CLA	C3D-C4D	-2.72	1.38	1.44
14	A4	825	CLA	O2D-CGD	2.72	1.39	1.33
14	B4	821	CLA	C3D-C4D	-2.72	1.38	1.44
14	A5	818	CLA	O2D-CGD	2.72	1.39	1.33
14	B6	813	CLA	MG-NA	2.72	2.12	2.06
14	A2	1637	CLA	C3D-C4D	-2.72	1.38	1.44
14	A2	1639	CLA	C3D-C4D	-2.72	1.38	1.44
17	A2	1654	LHG	P-O6	2.72	1.70	1.59
14	B6	821	CLA	O2A-CGA	2.72	1.39	1.30
14	B1	819	CLA	OBD-CAD	2.72	1.27	1.22
14	A3	822	CLA	C1D-ND	2.72	1.41	1.37
14	B1	834	CLA	C3D-C4D	-2.72	1.38	1.44
14	B6	829	CLA	OBD-CAD	2.72	1.27	1.22
14	A4	836	CLA	C3D-C4D	-2.72	1.38	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B6	815	CLA	C3D-C4D	-2.72	1.38	1.44
14	B3	1827	CLA	CHD-C1D	2.72	1.43	1.38
14	B6	824	CLA	CHD-C1D	2.72	1.43	1.38
14	B3	1825	CLA	C3D-C4D	-2.72	1.38	1.44
14	L5	202	CLA	O2A-CGA	2.72	1.39	1.30
14	B3	1818	CLA	O2A-CGA	2.72	1.41	1.33
14	B2	829	CLA	O2A-CGA	2.72	1.39	1.30
14	A4	828	CLA	C3D-C4D	-2.72	1.38	1.44
14	B1	801	CLA	MG-NA	2.72	2.12	2.06
14	B1	830	CLA	MG-NC	2.72	2.12	2.06
14	B6	829	CLA	C3B-C2B	2.72	1.44	1.40
14	B1	814	CLA	O2D-CGD	2.72	1.39	1.33
14	A5	804	CLA	O2D-CGD	2.72	1.39	1.33
14	M3	1601	CLA	O2A-CGA	2.72	1.39	1.30
14	A3	845	CLA	OBD-CAD	2.72	1.27	1.22
14	B5	1801	CLA	OBD-CAD	2.72	1.27	1.22
14	B3	1841	CLA	C4B-NB	2.72	1.37	1.35
14	A6	1637	CLA	C4B-NB	2.72	1.37	1.35
14	A2	1619	CLA	O2D-CGD	2.71	1.39	1.33
16	B3	1845	BCR	C26-C25	2.71	1.39	1.34
14	A1	811	CLA	C4B-NB	2.71	1.37	1.35
14	B5	1817	CLA	C3D-C4D	-2.71	1.38	1.44
14	A3	822	CLA	C3D-C4D	-2.71	1.38	1.44
14	A4	834	CLA	O2D-CGD	2.71	1.39	1.33
14	K4	1401	CLA	C1D-ND	2.71	1.41	1.37
14	B5	1818	CLA	C1D-ND	2.71	1.41	1.37
14	F5	1301	CLA	O2A-CGA	2.71	1.39	1.30
14	A1	812	CLA	C3D-C4D	-2.71	1.38	1.44
14	B3	1818	CLA	C3D-C4D	-2.71	1.38	1.44
14	A5	819	CLA	MG-NA	2.71	2.12	2.06
14	B5	1815	CLA	MG-NA	2.71	2.12	2.06
14	M6	1201	CLA	C3D-C4D	-2.71	1.38	1.44
14	B5	1817	CLA	C1D-ND	2.71	1.41	1.37
14	B5	1837	CLA	O2D-CGD	2.71	1.39	1.33
14	B1	837	CLA	C3D-C4D	-2.71	1.38	1.44
14	A3	801	CLA	MG-NA	2.71	2.12	2.06
14	A4	826	CLA	O2A-CGA	2.71	1.41	1.33
14	A3	818	CLA	O2D-CGD	2.71	1.39	1.33
14	B3	1826	CLA	CHD-C1D	2.71	1.43	1.38
14	A4	805	CLA	C3D-C4D	-2.71	1.38	1.44
14	B4	813	CLA	C1D-ND	2.71	1.41	1.37
14	B6	832	CLA	OBD-CAD	2.71	1.27	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A2	1622	CLA	O2A-CGA	2.71	1.41	1.33
14	B2	812	CLA	CHD-C1D	2.71	1.43	1.38
14	A1	821	CLA	C1D-ND	2.71	1.41	1.37
14	B2	810	CLA	C1D-ND	2.71	1.41	1.37
14	A1	824	CLA	C4B-NB	2.71	1.37	1.35
14	A2	1614	CLA	C4B-NB	2.71	1.37	1.35
14	A3	812	CLA	C4B-NB	2.71	1.37	1.35
14	B3	1813	CLA	MG-NA	2.71	2.12	2.06
14	A3	839	CLA	O2D-CGD	2.71	1.39	1.33
14	A1	822	CLA	CHD-C1D	2.71	1.43	1.38
14	A1	832	CLA	MG-NA	2.71	2.12	2.06
14	B1	804	CLA	C1D-ND	2.71	1.41	1.37
14	B1	824	CLA	C1D-ND	2.71	1.41	1.37
14	B5	1825	CLA	C1D-ND	2.71	1.41	1.37
14	B3	1838	CLA	O2A-CGA	2.71	1.39	1.30
14	A4	839	CLA	O2D-CGD	2.71	1.39	1.33
14	F5	1301	CLA	OBD-CAD	2.70	1.27	1.22
14	A6	1622	CLA	C1D-ND	2.70	1.41	1.37
14	A2	1613	CLA	C3D-C4D	-2.70	1.38	1.44
14	B6	812	CLA	C3D-C4D	-2.70	1.38	1.44
14	B2	815	CLA	O2D-CGD	2.70	1.39	1.33
14	A5	840	CLA	O2D-CGD	2.70	1.39	1.33
14	A5	834	CLA	O2D-CGD	2.70	1.39	1.33
14	A5	835	CLA	C3D-C4D	-2.70	1.38	1.44
14	A6	1622	CLA	CHD-C1D	2.70	1.43	1.38
14	L1	201	CLA	O2D-CGD	2.70	1.39	1.33
16	A5	845	BCR	C30-C25	2.70	1.57	1.53
14	A3	811	CLA	C3D-C4D	-2.70	1.38	1.44
14	B4	817	CLA	C3D-C4D	-2.70	1.38	1.44
14	A2	1612	CLA	O2A-CGA	2.70	1.39	1.30
14	A5	809	CLA	MG-NA	2.70	2.12	2.06
14	A4	810	CLA	C3D-C4D	-2.70	1.38	1.44
14	A4	824	CLA	C3D-C4D	-2.70	1.38	1.44
14	A2	1642	CLA	C3D-C4D	-2.70	1.38	1.44
14	A5	810	CLA	O2D-CGD	2.70	1.39	1.33
14	B2	805	CLA	CHD-C1D	2.70	1.43	1.38
14	A2	1620	CLA	O2D-CGD	2.70	1.39	1.33
14	B2	813	CLA	C3D-C4D	-2.70	1.38	1.44
14	A1	806	CLA	O2D-CGD	2.70	1.39	1.33
14	A1	810	CLA	C3D-C4D	-2.70	1.38	1.44
14	L3	204	CLA	C4B-NB	2.70	1.37	1.35
14	J3	101	CLA	MG-NA	2.70	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A1	811	CLA	O2A-CGA	2.70	1.41	1.33
14	B1	816	CLA	OBD-CAD	2.70	1.27	1.22
14	B3	1835	CLA	O2D-CGD	2.70	1.39	1.33
14	B4	803	CLA	C3D-C4D	-2.70	1.38	1.44
14	L4	205	CLA	OBD-CAD	2.70	1.27	1.22
14	A5	812	CLA	MG-NA	2.70	2.12	2.06
14	B5	1838	CLA	C3D-C4D	-2.69	1.38	1.44
14	A3	840	CLA	O2D-CGD	2.69	1.39	1.33
14	A1	809	CLA	O2A-CGA	2.69	1.39	1.30
14	A5	827	CLA	O2A-CGA	2.69	1.41	1.33
14	B1	806	CLA	C3C-C2C	2.69	1.42	1.36
14	A3	822	CLA	CHD-C1D	2.69	1.43	1.38
14	B4	832	CLA	O2A-CGA	2.69	1.39	1.30
14	B2	801	CLA	C1D-ND	2.69	1.41	1.37
14	A3	838	CLA	C3D-C4D	-2.69	1.38	1.44
14	A4	821	CLA	C3D-C4D	-2.69	1.38	1.44
14	B3	1809	CLA	CHD-C1D	2.69	1.43	1.38
14	B1	818	CLA	OBD-CAD	2.69	1.27	1.22
14	B6	815	CLA	OBD-CAD	2.69	1.27	1.22
14	A4	806	CLA	O2D-CGD	2.69	1.39	1.33
16	L5	201	BCR	C30-C25	2.69	1.57	1.53
14	B4	838	CLA	O2A-CGA	2.69	1.39	1.30
14	B1	815	CLA	C3D-C4D	-2.69	1.38	1.44
14	A5	812	CLA	O2A-CGA	2.69	1.41	1.33
14	A4	801	CLA	MG-NA	2.69	2.12	2.06
14	A2	1631	CLA	C3D-C4D	-2.69	1.38	1.44
14	B2	811	CLA	CHD-C1D	2.69	1.43	1.38
14	A1	810	CLA	O2D-CGD	2.69	1.39	1.33
14	A2	1639	CLA	CHD-C1D	2.69	1.43	1.38
14	B3	1814	CLA	CHD-C1D	2.69	1.43	1.38
14	A5	823	CLA	O2A-CGA	2.69	1.41	1.33
14	F1	1301	CLA	C3D-C4D	-2.69	1.38	1.44
14	B2	821	CLA	C1D-ND	2.69	1.41	1.37
14	B1	807	CLA	O2D-CGD	2.69	1.39	1.33
14	A4	842	CLA	MG-NA	2.69	2.12	2.06
14	A6	1612	CLA	O2A-CGA	2.69	1.41	1.33
14	F2	202	CLA	O2A-CGA	2.69	1.39	1.30
14	A6	1613	CLA	C3D-C4D	-2.69	1.38	1.44
14	B2	839	CLA	C1D-ND	2.69	1.41	1.37
14	A2	1634	CLA	O2D-CGD	2.69	1.39	1.33
14	A4	853	CLA	O2A-CGA	2.69	1.39	1.30
14	A1	813	CLA	C3D-C4D	-2.69	1.38	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A3	823	CLA	CHD-C1D	2.69	1.43	1.38
14	B4	820	CLA	OBD-CAD	2.69	1.27	1.22
14	A6	1623	CLA	C1D-ND	2.69	1.41	1.37
14	B3	1831	CLA	C3B-C2B	2.69	1.44	1.40
14	B5	1813	CLA	C3D-C4D	-2.69	1.38	1.44
14	B2	809	CLA	MG-NC	2.69	2.12	2.06
14	J2	101	CLA	CHD-C1D	2.69	1.43	1.38
14	A1	803	CLA	O2D-CGD	2.69	1.39	1.33
14	B2	811	CLA	C4B-NB	2.68	1.37	1.35
14	L4	203	CLA	C3D-C4D	-2.68	1.38	1.44
14	A3	811	CLA	O2D-CGD	2.68	1.39	1.33
14	L3	202	CLA	O2A-CGA	2.68	1.39	1.30
14	B2	815	CLA	C1D-ND	2.68	1.41	1.37
14	A4	809	CLA	O2A-CGA	2.68	1.39	1.30
14	X5	101	CLA	O2A-CGA	2.68	1.39	1.30
14	A4	822	CLA	CHD-C1D	2.68	1.43	1.38
14	A6	1621	CLA	CHD-C1D	2.68	1.43	1.38
14	A1	818	CLA	O2D-CGD	2.68	1.39	1.33
14	A5	813	CLA	O2D-CGD	2.68	1.39	1.33
14	B1	825	CLA	CHD-C1D	2.68	1.43	1.38
14	B2	822	CLA	C1D-ND	2.68	1.41	1.37
16	A6	1643	BCR	C30-C25	2.68	1.57	1.53
14	A2	1634	CLA	O2A-CGA	2.68	1.41	1.33
14	B4	824	CLA	C1D-ND	2.68	1.41	1.37
14	B5	1816	CLA	C1D-ND	2.68	1.41	1.37
14	B1	802	CLA	C3D-C4D	-2.68	1.38	1.44
14	A3	819	CLA	OBD-CAD	2.68	1.27	1.22
14	B3	1820	CLA	C4B-NB	2.68	1.37	1.35
14	A6	1622	CLA	C3D-C4D	-2.68	1.38	1.44
14	B1	809	CLA	O2D-CGD	2.68	1.39	1.33
14	B5	1819	CLA	O2D-CGD	2.68	1.39	1.33
14	B4	814	CLA	CHD-C1D	2.68	1.43	1.38
14	B1	834	CLA	MG-NA	2.68	2.12	2.06
14	B5	1812	CLA	MG-NA	2.68	2.12	2.06
14	A4	840	CLA	O2D-CGD	2.68	1.39	1.33
14	B6	817	CLA	O2D-CGD	2.68	1.39	1.33
14	B3	1817	CLA	C1D-ND	2.68	1.41	1.37
14	B1	854	CLA	C3D-C4D	-2.68	1.38	1.44
14	B4	839	CLA	MG-NA	2.68	2.12	2.06
14	A6	1639	CLA	C3D-C4D	-2.68	1.38	1.44
14	A4	828	CLA	C3B-C2B	2.68	1.44	1.40
14	A5	822	CLA	C1D-ND	2.68	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	K4	1401	CLA	OBD-CAD	2.68	1.27	1.22
14	B3	1811	CLA	O2D-CGD	2.68	1.39	1.33
14	A1	821	CLA	C3D-C4D	-2.68	1.38	1.44
14	A6	1617	CLA	O2D-CGD	2.68	1.39	1.33
14	B4	831	CLA	C3B-C2B	2.68	1.44	1.40
14	B4	823	CLA	O2A-CGA	2.68	1.39	1.30
14	A4	836	CLA	C4B-NB	2.68	1.37	1.35
14	A3	838	CLA	MG-NA	2.68	2.12	2.06
14	B6	802	CLA	CHD-C1D	2.68	1.43	1.38
14	A4	822	CLA	C1D-ND	2.68	1.41	1.37
14	A3	812	CLA	MG-NA	2.68	2.12	2.06
14	B6	833	CLA	MG-NA	2.68	2.12	2.06
14	J2	101	CLA	C3D-C4D	-2.68	1.38	1.44
14	B2	830	CLA	O2D-CGD	2.68	1.39	1.33
14	B4	829	CLA	C1D-ND	2.68	1.41	1.37
14	A3	838	CLA	CHD-C1D	2.68	1.43	1.38
14	B3	1822	CLA	C4B-NB	2.68	1.37	1.35
14	B6	820	CLA	C4B-NB	2.68	1.37	1.35
14	F6	202	CLA	O2D-CGD	2.68	1.39	1.33
14	A5	838	CLA	O2D-CGD	2.67	1.39	1.33
14	A3	813	CLA	O2D-CGD	2.67	1.39	1.33
14	B4	833	CLA	O2D-CGD	2.67	1.39	1.33
14	B4	838	CLA	C3D-C4D	-2.67	1.38	1.44
14	B1	837	CLA	O2A-CGA	2.67	1.39	1.30
14	A2	1606	CLA	C1D-ND	2.67	1.41	1.37
14	L6	206	CLA	C3D-C4D	-2.67	1.38	1.44
14	A3	812	CLA	CHD-C1D	2.67	1.43	1.38
14	A6	1629	CLA	C3D-C4D	-2.67	1.38	1.44
14	X1	1701	CLA	O2A-CGA	2.67	1.39	1.30
14	B3	1828	CLA	C4B-NB	2.67	1.37	1.35
14	A6	1610	CLA	O2A-CGA	2.67	1.39	1.30
14	B4	841	CLA	C1D-ND	2.67	1.41	1.37
14	A2	1602	CLA	MG-NA	2.67	2.12	2.06
14	B3	1816	CLA	O2D-CGD	2.67	1.39	1.33
14	A3	801	CLA	O2A-CGA	2.67	1.41	1.33
14	A2	1613	CLA	O2D-CGD	2.67	1.39	1.33
14	B6	825	CLA	CHD-C1D	2.67	1.43	1.38
14	A6	1635	CLA	C3D-C4D	-2.67	1.38	1.44
16	A4	844	BCR	C1-C6	2.67	1.57	1.53
14	A4	820	CLA	CHD-C1D	2.67	1.43	1.38
14	A1	822	CLA	C1D-ND	2.67	1.41	1.37
14	F3	202	CLA	C3D-C4D	-2.67	1.38	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A6	1629	CLA	C3B-C2B	2.67	1.44	1.40
14	B1	838	CLA	MG-NA	2.67	2.12	2.06
14	K1	1401	CLA	O2A-CGA	2.67	1.39	1.30
14	B4	809	CLA	O2D-CGD	2.67	1.39	1.33
14	A3	818	CLA	C4B-NB	2.67	1.37	1.35
14	A1	810	CLA	MG-NA	2.67	2.12	2.06
14	B4	841	CLA	MG-NA	2.67	2.12	2.06
14	B3	1816	CLA	CHD-C1D	2.67	1.43	1.38
14	B6	837	CLA	C4B-NB	2.67	1.37	1.35
14	A6	1634	CLA	MG-NA	2.67	2.12	2.06
14	B4	816	CLA	C1D-ND	2.67	1.41	1.37
14	K5	102	CLA	O2D-CGD	2.67	1.39	1.33
14	A2	1643	CLA	OBD-CAD	2.67	1.27	1.22
14	B2	812	CLA	MG-NA	2.67	2.12	2.06
14	X2	1701	CLA	MG-NC	2.67	2.12	2.06
14	B2	813	CLA	O2D-CGD	2.67	1.39	1.33
14	A1	813	CLA	CHD-C1D	2.67	1.43	1.38
14	A3	825	CLA	CHD-C1D	2.67	1.43	1.38
14	A5	822	CLA	C3D-C4D	-2.67	1.38	1.44
14	X4	102	CLA	O2A-CGA	2.67	1.39	1.30
14	A6	1619	CLA	O2D-CGD	2.67	1.39	1.33
14	A5	838	CLA	OBD-CAD	2.67	1.27	1.22
14	B4	841	CLA	C4B-NB	2.67	1.37	1.35
14	A4	837	CLA	O2D-CGD	2.67	1.39	1.33
14	A6	1611	CLA	O2D-CGD	2.67	1.39	1.33
14	B5	1826	CLA	CHD-C1D	2.67	1.43	1.38
14	B3	1803	CLA	MG-NA	2.67	2.12	2.06
14	B2	817	CLA	C3B-C2B	2.66	1.44	1.40
14	B2	812	CLA	C3D-C4D	-2.66	1.38	1.44
14	A3	836	CLA	C3D-C4D	-2.66	1.38	1.44
16	A2	1647	BCR	C30-C25	2.66	1.57	1.53
14	B4	815	CLA	MG-NA	2.66	2.12	2.06
14	A6	1631	CLA	O2D-CGD	2.66	1.39	1.33
14	B1	801	CLA	C1C-C2C	2.66	1.49	1.44
14	X6	1701	CLA	C3D-C4D	-2.66	1.38	1.44
14	B5	1816	CLA	MG-NA	2.66	2.12	2.06
14	A1	825	CLA	C3D-C4D	-2.66	1.38	1.44
14	B6	804	CLA	MG-NA	2.66	2.12	2.06
14	A5	819	CLA	O2D-CGD	2.66	1.39	1.33
14	X1	1701	CLA	MG-NC	2.66	2.12	2.06
14	B4	818	CLA	O2D-CGD	2.66	1.39	1.33
14	A6	1612	CLA	CHD-C1D	2.66	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A5	821	CLA	CHD-C1D	2.66	1.43	1.38
14	A2	1624	CLA	C3D-C4D	-2.66	1.38	1.44
14	B1	812	CLA	CHD-C1D	2.66	1.43	1.38
14	A1	833	CLA	C3D-C4D	-2.66	1.38	1.44
14	A6	1641	CLA	MG-NA	2.66	2.12	2.06
14	B6	827	CLA	MG-NA	2.66	2.12	2.06
14	A4	818	CLA	O2D-CGD	2.66	1.39	1.33
14	B2	832	CLA	MG-NA	2.66	2.12	2.06
14	B2	834	CLA	O2D-CGD	2.66	1.39	1.33
14	A3	826	CLA	O2D-CGD	2.66	1.39	1.33
14	B4	831	CLA	MG-NC	2.66	2.12	2.06
14	A2	1611	CLA	MG-NC	2.66	2.12	2.06
14	B3	1814	CLA	O2D-CGD	2.66	1.39	1.33
14	A1	801	CLA	O2A-CGA	2.66	1.41	1.33
14	A2	1625	CLA	O2A-CGA	2.66	1.41	1.33
14	B6	813	CLA	CHD-C1D	2.66	1.43	1.38
14	F6	202	CLA	OBD-CAD	2.66	1.27	1.22
14	L4	205	CLA	C1D-ND	2.66	1.41	1.37
14	B5	1835	CLA	C1D-ND	2.66	1.41	1.37
14	B6	826	CLA	C3D-C4D	-2.66	1.38	1.44
14	A4	838	CLA	O2D-CGD	2.66	1.39	1.33
14	A1	836	CLA	OBD-CAD	2.66	1.27	1.22
14	A2	1643	CLA	O2A-CGA	2.66	1.41	1.33
14	A1	811	CLA	CHD-C1D	2.66	1.43	1.38
14	A1	836	CLA	O2D-CGD	2.66	1.39	1.33
14	B1	816	CLA	C3D-C4D	-2.66	1.38	1.44
14	A6	1639	CLA	O2D-CGD	2.66	1.39	1.33
14	B1	811	CLA	O2D-CGD	2.66	1.39	1.33
14	B6	816	CLA	O2D-CGD	2.66	1.39	1.33
14	A3	829	CLA	C3B-C2B	2.66	1.44	1.40
14	A1	825	CLA	O2D-CGD	2.66	1.39	1.33
14	B6	826	CLA	C4B-NB	2.65	1.37	1.35
14	B3	1815	CLA	MG-NA	2.65	2.12	2.06
14	B3	1832	CLA	CHD-C1D	2.65	1.43	1.38
14	B3	1816	CLA	C1D-ND	2.65	1.41	1.37
14	B5	1815	CLA	CHD-C1D	2.65	1.43	1.38
14	A1	807	CLA	O2D-CGD	2.65	1.39	1.33
14	A6	1625	CLA	O2D-CGD	2.65	1.39	1.33
14	A2	1624	CLA	C4B-NB	2.65	1.37	1.35
14	B3	1815	CLA	CHD-C1D	2.65	1.43	1.38
14	B2	824	CLA	MG-NA	2.65	2.12	2.06
14	X6	1701	CLA	MG-NC	2.65	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B2	807	CLA	OBD-CAD	2.65	1.27	1.22
14	B2	817	CLA	OBD-CAD	2.65	1.27	1.22
14	B4	814	CLA	O2D-CGD	2.65	1.39	1.33
14	A6	1619	CLA	MG-NA	2.65	2.12	2.06
14	B5	1816	CLA	CHD-C1D	2.65	1.43	1.38
14	A5	829	CLA	O2D-CGD	2.65	1.39	1.33
14	K6	1401	CLA	O2A-CGA	2.65	1.39	1.30
14	A3	815	CLA	C3D-C4D	-2.65	1.38	1.44
14	B2	823	CLA	CHD-C1D	2.65	1.43	1.38
14	B3	1805	CLA	C3C-C2C	2.65	1.42	1.36
14	B1	817	CLA	O2D-CGD	2.65	1.39	1.33
14	B6	802	CLA	O2D-CGD	2.65	1.39	1.33
14	A3	824	CLA	C4B-NB	2.65	1.37	1.35
14	B6	809	CLA	MG-NA	2.65	2.12	2.06
14	A3	817	CLA	O2D-CGD	2.65	1.39	1.33
14	B2	807	CLA	C1D-ND	2.65	1.41	1.37
14	X6	1701	CLA	O2A-CGA	2.65	1.39	1.30
14	B3	1835	CLA	MG-NA	2.65	2.12	2.06
14	B2	824	CLA	CHD-C1D	2.65	1.43	1.38
16	A5	847	BCR	C30-C25	2.65	1.57	1.53
14	B2	836	CLA	C3C-C2C	2.65	1.42	1.36
14	B6	825	CLA	MG-NA	2.65	2.12	2.06
14	B5	1831	CLA	C3B-C2B	2.65	1.44	1.40
14	X3	102	CLA	C3D-C4D	-2.65	1.38	1.44
14	A5	808	CLA	O2D-CGD	2.65	1.39	1.33
14	A2	1640	CLA	OBD-CAD	2.65	1.27	1.22
14	A5	825	CLA	CHD-C1D	2.65	1.43	1.38
14	L6	207	CLA	MG-NA	2.65	2.12	2.06
14	L2	205	CLA	C3D-C4D	-2.65	1.38	1.44
14	A5	837	CLA	MG-NA	2.65	2.12	2.06
14	L1	206	CLA	C4B-NB	2.65	1.37	1.35
14	B6	818	CLA	C4B-NB	2.65	1.37	1.35
14	A1	814	CLA	C3D-C4D	-2.65	1.38	1.44
14	X4	102	CLA	C3D-C4D	-2.65	1.38	1.44
14	A2	1627	CLA	O2A-CGA	2.65	1.41	1.33
16	B2	850	BCR	C30-C25	2.65	1.57	1.53
14	A2	1631	CLA	C3B-C2B	2.65	1.44	1.40
14	B3	1820	CLA	C3B-C2B	2.65	1.44	1.40
14	A4	811	CLA	O2A-CGA	2.65	1.41	1.33
14	B4	830	CLA	C1D-ND	2.65	1.41	1.37
14	A3	824	CLA	MG-NA	2.65	2.12	2.06
14	A4	811	CLA	CHD-C1D	2.65	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B2	827	CLA	MG-NC	2.64	2.12	2.06
14	B3	1806	CLA	MG-NA	2.64	2.12	2.06
14	A6	1640	CLA	OBD-CAD	2.64	1.27	1.22
14	A4	821	CLA	CHD-C1D	2.64	1.43	1.38
14	A1	827	CLA	O2D-CGD	2.64	1.39	1.33
14	A6	1620	CLA	C4B-NB	2.64	1.37	1.35
14	X3	102	CLA	MG-NC	2.64	2.12	2.06
14	K3	1401	CLA	CHD-C1D	2.64	1.43	1.38
14	A2	1643	CLA	O2D-CGD	2.64	1.39	1.33
14	M6	1201	CLA	MG-NA	2.64	2.12	2.06
14	B5	1829	CLA	MG-NA	2.64	2.12	2.06
14	K2	1401	CLA	O2A-CGA	2.64	1.39	1.30
14	B6	822	CLA	C3D-C4D	-2.64	1.38	1.44
14	L4	201	CLA	C4B-NB	2.64	1.37	1.35
14	B4	852	CLA	OBD-CAD	2.64	1.27	1.22
14	A2	1636	CLA	O2D-CGD	2.64	1.39	1.33
14	B1	853	CLA	O2A-CGA	2.64	1.41	1.33
14	A3	827	CLA	O2A-CGA	2.64	1.41	1.33
14	B4	822	CLA	C4B-NB	2.64	1.37	1.35
14	X3	102	CLA	O2A-CGA	2.64	1.39	1.30
14	B1	829	CLA	C2-C3	2.64	1.39	1.33
14	A6	1626	CLA	O2D-CGD	2.64	1.39	1.33
14	A5	812	CLA	CHD-C1D	2.64	1.43	1.38
14	B5	1834	CLA	OBD-CAD	2.64	1.27	1.22
14	A1	824	CLA	O2A-CGA	2.64	1.41	1.33
14	A1	813	CLA	OBD-CAD	2.64	1.27	1.22
14	A4	822	CLA	O2D-CGD	2.64	1.39	1.33
14	A5	801	CLA	O2A-CGA	2.64	1.41	1.33
14	B2	838	CLA	C1D-ND	2.64	1.41	1.37
14	B5	1839	CLA	MG-NA	2.64	2.12	2.06
14	A4	828	CLA	O2D-CGD	2.64	1.39	1.33
14	A6	1640	CLA	O2A-CGA	2.64	1.41	1.33
14	X5	101	CLA	C3D-C4D	-2.64	1.38	1.44
14	B2	838	CLA	C4B-NB	2.64	1.37	1.35
14	K1	1401	CLA	OBD-CAD	2.64	1.27	1.22
14	A6	1638	CLA	OBD-CAD	2.63	1.27	1.22
14	A3	831	CLA	O2D-CGD	2.63	1.39	1.33
14	A3	832	CLA	O2D-CGD	2.63	1.39	1.33
14	A4	807	CLA	C4B-NB	2.63	1.37	1.35
14	A5	804	CLA	C4B-NB	2.63	1.37	1.35
14	A3	809	CLA	MG-NC	2.63	2.12	2.06
14	F3	202	CLA	OBD-CAD	2.63	1.27	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	I6	101	CLA	O2D-CGD	2.63	1.39	1.33
14	B2	803	CLA	C3D-C4D	-2.63	1.38	1.44
14	B5	1809	CLA	O2D-CGD	2.63	1.39	1.33
14	A5	831	CLA	C4B-NB	2.63	1.37	1.35
14	B4	817	CLA	OBD-CAD	2.63	1.27	1.22
14	B4	805	CLA	C3C-C2C	2.63	1.42	1.36
14	B6	822	CLA	MG-NA	2.63	2.12	2.06
14	B2	808	CLA	O2D-CGD	2.63	1.39	1.33
14	A5	826	CLA	O2D-CGD	2.63	1.39	1.33
14	A2	1626	CLA	MG-NA	2.63	2.12	2.06
16	A3	849	BCR	C1-C6	2.63	1.57	1.53
14	A4	814	CLA	C3D-C4D	-2.63	1.38	1.44
14	L2	206	CLA	C4B-NB	2.63	1.37	1.35
14	A3	812	CLA	O2A-CGA	2.63	1.41	1.33
14	K3	1401	CLA	O2A-CGA	2.63	1.39	1.30
14	A1	814	CLA	CHD-C1D	2.63	1.43	1.38
14	K4	1401	CLA	O2A-CGA	2.63	1.39	1.30
14	K2	1401	CLA	O2D-CGD	2.63	1.39	1.33
14	B1	835	CLA	OBD-CAD	2.63	1.27	1.22
14	B2	835	CLA	OBD-CAD	2.63	1.27	1.22
14	A6	1613	CLA	O2D-CGD	2.63	1.39	1.33
14	A4	824	CLA	O2A-CGA	2.63	1.41	1.33
14	A1	823	CLA	MG-NA	2.63	2.12	2.06
14	A5	810	CLA	MG-NC	2.63	2.12	2.06
14	A5	816	CLA	OBD-CAD	2.63	1.27	1.22
14	B2	836	CLA	C4B-NB	2.63	1.37	1.35
14	A4	819	CLA	O2A-CGA	2.63	1.41	1.33
14	B1	832	CLA	C3D-C4D	-2.63	1.38	1.44
14	A4	813	CLA	C1D-ND	2.63	1.41	1.37
16	B6	843	BCR	C26-C25	2.63	1.39	1.34
14	A1	811	CLA	C3D-C4D	-2.63	1.38	1.44
14	A5	840	CLA	C3D-C4D	-2.63	1.38	1.44
14	A2	1602	CLA	O2A-CGA	2.63	1.41	1.33
14	L2	202	CLA	C4B-NB	2.63	1.37	1.35
14	A1	805	CLA	MG-NA	2.63	2.12	2.06
14	B5	1840	CLA	CHD-C1D	2.63	1.43	1.38
14	B3	1821	CLA	OBD-CAD	2.63	1.27	1.22
14	B5	1803	CLA	C1D-ND	2.63	1.41	1.37
16	B4	845	BCR	C26-C25	2.63	1.39	1.34
14	A4	831	CLA	O2A-CGA	2.63	1.41	1.33
14	B4	805	CLA	C1D-ND	2.62	1.41	1.37
14	B6	805	CLA	C1D-ND	2.62	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A2	1624	CLA	O2A-CGA	2.62	1.41	1.33
14	B3	1839	CLA	MG-NA	2.62	2.12	2.06
14	A5	822	CLA	O2A-CGA	2.62	1.41	1.33
14	A6	1631	CLA	C4B-NB	2.62	1.37	1.35
14	B1	831	CLA	CHD-C1D	2.62	1.43	1.38
14	J4	102	CLA	C1D-ND	2.62	1.41	1.37
14	B3	1820	CLA	O2D-CGD	2.62	1.39	1.33
14	B4	832	CLA	CHD-C1D	2.62	1.43	1.38
14	B3	1824	CLA	C3D-C4D	-2.62	1.38	1.44
14	A1	808	CLA	MG-NC	2.62	2.12	2.06
14	J1	101	CLA	CHD-C1D	2.62	1.43	1.38
14	B3	1813	CLA	C1D-ND	2.62	1.41	1.37
14	L6	207	CLA	C1D-ND	2.62	1.41	1.37
14	A3	845	CLA	C3D-C4D	-2.62	1.38	1.44
14	B3	1838	CLA	C3D-C4D	-2.62	1.38	1.44
14	B1	840	CLA	O2D-CGD	2.62	1.39	1.33
14	B1	826	CLA	CHD-C1D	2.62	1.43	1.38
14	B4	801	CLA	O2D-CGD	2.62	1.39	1.33
14	B4	810	CLA	OBD-CAD	2.62	1.27	1.22
14	B4	830	CLA	O2D-CGD	2.62	1.39	1.33
14	B6	814	CLA	CHD-C1D	2.62	1.43	1.38
14	A4	819	CLA	MG-NA	2.62	2.12	2.06
14	B6	809	CLA	O2D-CGD	2.62	1.39	1.33
14	B4	815	CLA	C3D-C4D	-2.62	1.38	1.44
14	A5	811	CLA	MG-NA	2.62	2.12	2.06
14	B4	802	CLA	C4B-NB	2.62	1.37	1.35
14	A2	1640	CLA	O2D-CGD	2.62	1.39	1.33
14	A4	834	CLA	C3D-C4D	-2.62	1.38	1.44
14	B2	816	CLA	O2D-CGD	2.62	1.39	1.33
14	K6	1401	CLA	CHD-C1D	2.62	1.43	1.38
14	B5	1833	CLA	C3D-C4D	-2.62	1.38	1.44
14	B5	1803	CLA	MG-NA	2.62	2.12	2.06
14	A3	835	CLA	MG-NA	2.62	2.12	2.06
14	L1	207	CLA	OBD-CAD	2.62	1.27	1.22
14	M3	1601	CLA	OBD-CAD	2.62	1.27	1.22
14	B6	808	CLA	OBD-CAD	2.62	1.27	1.22
14	A3	838	CLA	C4B-NB	2.62	1.37	1.35
14	A3	819	CLA	O2D-CGD	2.62	1.39	1.33
14	B5	1821	CLA	O2D-CGD	2.62	1.39	1.33
14	B5	1805	CLA	OBD-CAD	2.62	1.27	1.22
14	B6	802	CLA	MG-NA	2.62	2.12	2.06
14	A6	1640	CLA	O2D-CGD	2.62	1.39	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A5	819	CLA	OBD-CAD	2.62	1.27	1.22
14	B4	803	CLA	C1D-ND	2.62	1.41	1.37
14	A5	823	CLA	C1D-ND	2.62	1.41	1.37
14	A6	1602	CLA	O2A-CGA	2.62	1.41	1.33
14	A6	1629	CLA	O2D-CGD	2.62	1.39	1.33
14	B1	820	CLA	OBD-CAD	2.62	1.27	1.22
14	B3	1810	CLA	OBD-CAD	2.62	1.27	1.22
14	A3	810	CLA	MG-NC	2.62	2.12	2.06
14	B1	811	CLA	MG-NA	2.62	2.12	2.06
14	A1	824	CLA	CHD-C1D	2.62	1.43	1.38
14	B2	806	CLA	O2D-CGD	2.62	1.39	1.33
14	B4	811	CLA	O2D-CGD	2.62	1.39	1.33
14	B2	830	CLA	C3D-C4D	-2.62	1.38	1.44
14	B2	803	CLA	C1D-ND	2.62	1.41	1.37
14	L1	206	CLA	MG-NA	2.61	2.12	2.06
14	B6	804	CLA	C3D-C4D	-2.61	1.38	1.44
14	B4	822	CLA	O2A-CGA	2.61	1.41	1.33
16	B5	1845	BCR	C26-C25	2.61	1.39	1.34
14	A5	811	CLA	OBD-CAD	2.61	1.27	1.22
14	F2	202	CLA	C3D-C4D	-2.61	1.38	1.44
16	A3	847	BCR	C30-C25	2.61	1.57	1.53
14	A3	802	CLA	CHD-C1D	2.61	1.43	1.38
14	B2	830	CLA	C1D-ND	2.61	1.41	1.37
14	B4	817	CLA	C1D-ND	2.61	1.41	1.37
14	A4	832	CLA	MG-NA	2.61	2.12	2.06
14	A1	804	CLA	C4B-NB	2.61	1.37	1.35
14	A1	822	CLA	C4B-NB	2.61	1.37	1.35
14	A6	1601	CLA	O2A-CGA	2.61	1.39	1.30
14	A3	823	CLA	O2D-CGD	2.61	1.39	1.33
14	A4	804	CLA	C4B-NB	2.61	1.37	1.35
14	A3	825	CLA	O2D-CGD	2.61	1.39	1.33
14	A6	1611	CLA	MG-NA	2.61	2.12	2.06
14	A5	829	CLA	CHD-C1D	2.61	1.43	1.38
14	B2	807	CLA	O2D-CGD	2.61	1.39	1.33
14	B2	826	CLA	MG-NA	2.61	2.12	2.06
14	F2	202	CLA	OBD-CAD	2.61	1.27	1.22
14	A3	842	CLA	O2A-CGA	2.61	1.41	1.33
14	B3	1839	CLA	C4B-NB	2.61	1.37	1.35
14	B2	827	CLA	O2D-CGD	2.61	1.39	1.33
14	A5	802	CLA	O2D-CGD	2.61	1.39	1.33
14	B6	811	CLA	C3C-C2C	2.61	1.42	1.36
14	A5	822	CLA	CHD-C1D	2.61	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B2	808	CLA	MG-NA	2.61	2.12	2.06
14	A6	1610	CLA	MG-NC	2.61	2.12	2.06
14	K3	1401	CLA	OBD-CAD	2.61	1.27	1.22
14	J1	101	CLA	C3C-C2C	2.61	1.42	1.36
14	B1	812	CLA	C3C-C2C	2.61	1.42	1.36
14	A3	820	CLA	O2A-CGA	2.61	1.40	1.33
14	B1	822	CLA	CHD-C1D	2.61	1.43	1.38
14	B1	833	CLA	C3C-C2C	2.61	1.42	1.36
14	A1	838	CLA	O2D-CGD	2.61	1.39	1.33
14	B1	834	CLA	C1D-ND	2.61	1.41	1.37
14	B1	854	CLA	MG-NC	2.61	2.12	2.06
14	M2	1201	CLA	MG-NA	2.61	2.12	2.06
14	B6	828	CLA	CHD-C1D	2.61	1.43	1.38
14	A4	806	CLA	O2A-CGA	2.60	1.40	1.33
14	B6	831	CLA	C3D-C4D	-2.60	1.38	1.44
14	A3	820	CLA	MG-NA	2.60	2.12	2.06
14	A1	803	CLA	C4B-NB	2.60	1.37	1.35
14	B3	1831	CLA	MG-NC	2.60	2.12	2.06
14	B5	1811	CLA	MG-NA	2.60	2.12	2.06
14	A5	843	CLA	C3D-C4D	-2.60	1.38	1.44
14	B3	1812	CLA	MG-NA	2.60	2.12	2.06
14	A6	1624	CLA	O2D-CGD	2.60	1.39	1.33
14	B5	1811	CLA	O2D-CGD	2.60	1.39	1.33
14	B3	1810	CLA	C1D-ND	2.60	1.41	1.37
14	B5	1830	CLA	C1D-ND	2.60	1.41	1.37
16	A1	842	BCR	C1-C6	2.60	1.57	1.53
14	B1	806	CLA	OBD-CAD	2.60	1.27	1.22
14	A2	1603	CLA	O2D-CGD	2.60	1.39	1.33
14	A5	820	CLA	MG-NA	2.60	2.12	2.06
14	B3	1817	CLA	OBD-CAD	2.60	1.27	1.22
14	A1	835	CLA	MG-NA	2.60	2.12	2.06
14	F5	1301	CLA	C1D-ND	2.60	1.41	1.37
14	A6	1601	CLA	OBD-CAD	2.60	1.27	1.22
14	B2	805	CLA	O2D-CGD	2.60	1.39	1.33
14	A4	833	CLA	MG-NA	2.60	2.12	2.06
14	A2	1606	CLA	C4B-NB	2.60	1.37	1.35
14	A5	819	CLA	CHD-C1D	2.60	1.43	1.38
14	B3	1805	CLA	C3D-C4D	-2.60	1.38	1.44
14	B5	1823	CLA	C3D-C4D	-2.60	1.38	1.44
14	K2	1401	CLA	CHD-C1D	2.60	1.43	1.38
14	A5	832	CLA	O2D-CGD	2.60	1.39	1.33
14	L6	208	CLA	OBD-CAD	2.60	1.27	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B6	805	CLA	C3C-C2C	2.60	1.42	1.36
14	A5	843	CLA	OBD-CAD	2.60	1.27	1.22
14	K1	1401	CLA	CHD-C1D	2.60	1.43	1.38
14	A1	834	CLA	MG-NA	2.60	2.12	2.06
14	B1	829	CLA	O2D-CGD	2.60	1.39	1.33
14	A4	838	CLA	C1D-ND	2.60	1.41	1.37
14	B4	815	CLA	CHD-C1D	2.60	1.43	1.38
16	A4	846	BCR	C1-C6	2.60	1.57	1.53
14	B6	818	CLA	O2D-CGD	2.60	1.39	1.33
14	L6	202	CLA	O2D-CGD	2.60	1.39	1.33
14	B3	1819	CLA	O2D-CGD	2.59	1.39	1.33
14	A4	813	CLA	CHD-C1D	2.59	1.43	1.38
14	K4	1401	CLA	O2D-CGD	2.59	1.39	1.33
14	B1	801	CLA	O2D-CGD	2.59	1.39	1.33
14	L5	202	CLA	OBD-CAD	2.59	1.26	1.22
14	K5	102	CLA	O2A-CGA	2.59	1.39	1.30
14	A1	808	CLA	OBD-CAD	2.59	1.26	1.22
14	B3	1823	CLA	CHD-C1D	2.59	1.43	1.38
14	K1	1401	CLA	O2D-CGD	2.59	1.39	1.33
14	A6	1607	CLA	MG-NC	2.59	2.12	2.06
14	B4	805	CLA	C3D-C4D	-2.59	1.38	1.44
14	B5	1824	CLA	C3D-C4D	-2.59	1.38	1.44
14	A4	818	CLA	C4B-NB	2.59	1.37	1.35
14	A1	803	CLA	C1D-ND	2.59	1.41	1.37
14	B4	842	CLA	O2A-CGA	2.59	1.40	1.33
14	A6	1637	CLA	OBD-CAD	2.59	1.26	1.22
14	B2	806	CLA	CHD-C1D	2.59	1.43	1.38
14	B4	829	CLA	MG-NC	2.59	2.12	2.06
14	A2	1611	CLA	OBD-CAD	2.59	1.26	1.22
14	B2	803	CLA	C3C-C2C	2.59	1.42	1.36
16	A4	846	BCR	C30-C25	2.59	1.57	1.53
14	A3	815	CLA	OBD-CAD	2.59	1.26	1.22
14	A3	806	CLA	MG-NA	2.59	2.12	2.06
14	B5	1805	CLA	C3C-C2C	2.59	1.42	1.36
14	B6	826	CLA	O2D-CGD	2.59	1.39	1.33
14	A1	828	CLA	C3D-C4D	-2.59	1.38	1.44
14	A6	1614	CLA	CHD-C1D	2.59	1.43	1.38
14	A3	819	CLA	C4B-NB	2.59	1.37	1.35
14	A4	842	CLA	CHD-C1D	2.59	1.43	1.38
14	A6	1609	CLA	MG-NC	2.59	2.12	2.06
14	B3	1801	CLA	C1D-ND	2.59	1.41	1.37
14	B5	1835	CLA	MG-NC	2.59	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	F6	202	CLA	C3D-C4D	-2.59	1.38	1.44
14	B2	829	CLA	CHD-C1D	2.59	1.43	1.38
14	B3	1840	CLA	CHD-C1D	2.59	1.43	1.38
14	B5	1840	CLA	C1D-ND	2.58	1.41	1.37
14	B3	1838	CLA	OBD-CAD	2.58	1.26	1.22
14	L3	205	CLA	OBD-CAD	2.58	1.26	1.22
14	B3	1805	CLA	MG-NA	2.58	2.12	2.06
14	B4	816	CLA	O2D-CGD	2.58	1.39	1.33
14	J3	102	CLA	C1D-ND	2.58	1.41	1.37
14	J3	101	CLA	CHD-C1D	2.58	1.43	1.38
16	A2	1647	BCR	C1-C6	2.58	1.57	1.53
14	A5	802	CLA	C1C-C2C	2.58	1.49	1.44
14	B2	801	CLA	C3D-C4D	-2.58	1.38	1.44
14	B3	1828	CLA	O2D-CGD	2.58	1.39	1.33
14	A3	839	CLA	OBD-CAD	2.58	1.26	1.22
14	B4	819	CLA	MG-NA	2.58	2.12	2.06
14	A5	814	CLA	CHD-C1D	2.58	1.43	1.38
14	B5	1801	CLA	C3D-C4D	-2.58	1.38	1.44
14	A1	821	CLA	O2A-CGA	2.58	1.40	1.33
14	B6	837	CLA	OBD-CAD	2.58	1.26	1.22
14	K3	1401	CLA	O2D-CGD	2.58	1.39	1.33
14	K6	1401	CLA	O2D-CGD	2.58	1.39	1.33
14	B3	1812	CLA	MG-NC	2.58	2.12	2.06
14	A2	1609	CLA	O2D-CGD	2.58	1.39	1.33
14	K2	1401	CLA	OBD-CAD	2.58	1.26	1.22
14	B3	1805	CLA	OBD-CAD	2.58	1.26	1.22
14	B2	827	CLA	CHD-C1D	2.58	1.43	1.38
14	A1	837	CLA	C3D-C4D	-2.58	1.38	1.44
14	B6	839	CLA	MG-NA	2.58	2.12	2.06
14	A4	840	CLA	O2A-CGA	2.58	1.40	1.33
14	A6	1607	CLA	C1D-ND	2.58	1.41	1.37
14	K6	1401	CLA	OBD-CAD	2.58	1.26	1.22
14	A5	811	CLA	C3D-C4D	-2.58	1.38	1.44
14	B4	823	CLA	CHD-C1D	2.58	1.43	1.38
14	A5	806	CLA	MG-NA	2.58	2.12	2.06
14	A5	815	CLA	C1D-ND	2.58	1.41	1.37
14	B1	813	CLA	O2D-CGD	2.58	1.39	1.33
14	A4	805	CLA	MG-NA	2.58	2.12	2.06
14	L4	204	CLA	MG-NA	2.58	2.12	2.06
16	B1	843	BCR	C26-C25	2.58	1.38	1.34
14	L3	202	CLA	OBD-CAD	2.58	1.26	1.22
14	A1	819	CLA	C4B-NB	2.58	1.37	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	F5	1301	CLA	C3D-C4D	-2.58	1.38	1.44
14	A4	810	CLA	MG-NA	2.58	2.12	2.06
14	A4	821	CLA	O2A-CGA	2.58	1.40	1.33
14	A5	841	CLA	O2A-CGA	2.58	1.40	1.33
14	M1	1201	CLA	C1D-ND	2.58	1.41	1.37
14	B4	803	CLA	O2D-CGD	2.58	1.39	1.33
14	B2	819	CLA	O2A-CGA	2.58	1.40	1.33
14	A3	802	CLA	O2D-CGD	2.58	1.39	1.33
14	A1	809	CLA	MG-NC	2.58	2.12	2.06
14	B3	1829	CLA	C1D-ND	2.58	1.41	1.37
14	A4	814	CLA	C1D-ND	2.58	1.41	1.37
16	A6	1645	BCR	C30-C25	2.58	1.57	1.53
14	B1	840	CLA	MG-NA	2.57	2.12	2.06
14	A2	1618	CLA	OBD-CAD	2.57	1.26	1.22
14	B1	802	CLA	O2D-CGD	2.57	1.39	1.33
14	B6	818	CLA	C3B-C2B	2.57	1.43	1.40
14	B1	832	CLA	MG-NA	2.57	2.12	2.06
14	A2	1603	CLA	C4B-NB	2.57	1.37	1.35
14	B5	1802	CLA	C4B-NB	2.57	1.37	1.35
14	A5	807	CLA	O2D-CGD	2.57	1.39	1.33
14	A4	811	CLA	OBD-CAD	2.57	1.26	1.22
14	B1	821	CLA	O2A-CGA	2.57	1.40	1.33
14	B5	1830	CLA	MG-NC	2.57	2.12	2.06
14	B4	839	CLA	C3C-C2C	2.57	1.42	1.36
14	B3	1803	CLA	O2D-CGD	2.57	1.39	1.33
14	A2	1639	CLA	OBD-CAD	2.57	1.26	1.22
14	B5	1824	CLA	OBD-CAD	2.57	1.26	1.22
14	B3	1801	CLA	C3D-C4D	-2.57	1.38	1.44
14	A1	828	CLA	O2D-CGD	2.57	1.39	1.33
14	B2	811	CLA	O2D-CGD	2.57	1.39	1.33
14	B4	804	CLA	MG-NC	2.57	2.12	2.06
14	A5	809	CLA	MG-NC	2.57	2.12	2.06
14	F2	202	CLA	CHD-C1D	2.57	1.43	1.38
14	B6	830	CLA	CHD-C1D	2.57	1.43	1.38
14	A2	1631	CLA	O2D-CGD	2.57	1.39	1.33
14	A3	810	CLA	O2D-CGD	2.57	1.39	1.33
14	B6	802	CLA	C4B-NB	2.57	1.37	1.35
14	B5	1805	CLA	C1D-ND	2.57	1.40	1.37
14	B5	1812	CLA	C4D-ND	-2.57	1.34	1.37
14	B5	1830	CLA	O2D-CGD	2.57	1.39	1.33
14	K5	102	CLA	C1D-ND	2.57	1.40	1.37
14	A6	1624	CLA	C4B-NB	2.57	1.37	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B5	1841	CLA	C4B-NB	2.57	1.37	1.35
16	A3	847	BCR	C1-C6	2.57	1.57	1.53
14	L1	201	CLA	MG-NC	2.57	2.12	2.06
14	X4	102	CLA	MG-NC	2.57	2.12	2.06
14	B6	810	CLA	MG-NC	2.57	2.12	2.06
14	B6	828	CLA	MG-NC	2.57	2.12	2.06
14	A3	832	CLA	MG-NC	2.57	2.12	2.06
14	B5	1829	CLA	MG-NC	2.57	2.12	2.06
14	A2	1626	CLA	CHD-C1D	2.57	1.43	1.38
14	B2	825	CLA	C4B-NB	2.57	1.37	1.35
14	B1	804	CLA	MG-NA	2.57	2.12	2.06
14	B4	821	CLA	O2D-CGD	2.57	1.39	1.33
14	B6	838	CLA	OBD-CAD	2.57	1.26	1.22
14	B3	1824	CLA	C1D-ND	2.57	1.40	1.37
14	B5	1822	CLA	O2A-CGA	2.57	1.40	1.33
14	A5	828	CLA	O2D-CGD	2.57	1.39	1.33
14	M1	1201	CLA	MG-NA	2.57	2.12	2.06
14	B4	835	CLA	MG-NA	2.57	2.12	2.06
14	A5	809	CLA	O2D-CGD	2.57	1.39	1.33
14	B5	1810	CLA	C1D-ND	2.57	1.40	1.37
14	B1	828	CLA	MG-NA	2.57	2.12	2.06
14	B1	804	CLA	C3D-C4D	-2.57	1.38	1.44
14	B1	835	CLA	C3C-C2C	2.57	1.42	1.36
14	K5	102	CLA	OBD-CAD	2.57	1.26	1.22
14	B1	829	CLA	MG-NC	2.57	2.12	2.06
14	B4	813	CLA	CHD-C1D	2.57	1.43	1.38
14	J6	1102	CLA	CHD-C1D	2.57	1.43	1.38
14	B5	1830	CLA	CHD-C1D	2.57	1.43	1.38
14	B3	1830	CLA	CHD-C1D	2.57	1.43	1.38
14	A4	828	CLA	CHD-C1D	2.57	1.43	1.38
14	X2	1701	CLA	C3D-C4D	-2.57	1.38	1.44
14	B1	833	CLA	OBD-CAD	2.57	1.26	1.22
14	A3	821	CLA	CHD-C1D	2.56	1.43	1.38
14	B5	1835	CLA	CHD-C1D	2.56	1.43	1.38
14	A4	819	CLA	C4B-NB	2.56	1.37	1.35
14	B5	1812	CLA	MG-NC	2.56	2.12	2.06
14	B5	1827	CLA	MG-NA	2.56	2.12	2.06
14	B1	815	CLA	CHD-C1D	2.56	1.43	1.38
14	B6	822	CLA	C1D-ND	2.56	1.40	1.37
14	B3	1830	CLA	C2-C3	2.56	1.39	1.33
14	A1	819	CLA	MG-NA	2.56	2.12	2.06
14	A1	831	CLA	CHD-C1D	2.56	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A2	1627	CLA	CHD-C1D	2.56	1.43	1.38
14	A4	836	CLA	OBD-CAD	2.56	1.26	1.22
14	A2	1613	CLA	MG-NA	2.56	2.12	2.06
14	F1	1301	CLA	C1D-ND	2.56	1.40	1.37
14	B4	827	CLA	C1D-ND	2.56	1.40	1.37
14	A5	825	CLA	O2A-CGA	2.56	1.40	1.33
14	J2	101	CLA	C3C-C2C	2.56	1.42	1.36
14	B6	825	CLA	C3C-C2C	2.56	1.42	1.36
14	A4	830	CLA	C4B-NB	2.56	1.37	1.35
14	B4	841	CLA	O2D-CGD	2.56	1.39	1.33
14	L6	208	CLA	C1D-ND	2.56	1.40	1.37
14	A3	825	CLA	O2A-CGA	2.56	1.40	1.33
14	A1	821	CLA	CHD-C1D	2.56	1.43	1.38
14	B4	802	CLA	CHD-C1D	2.56	1.43	1.38
14	B6	838	CLA	CHD-C1D	2.56	1.43	1.38
14	A4	801	CLA	O2A-CGA	2.56	1.40	1.33
14	B6	808	CLA	O2D-CGD	2.56	1.39	1.33
14	B3	1811	CLA	MG-NA	2.56	2.12	2.06
14	A3	814	CLA	CHD-C1D	2.56	1.43	1.38
16	B2	842	BCR	C26-C25	2.56	1.38	1.34
16	A3	849	BCR	C30-C25	2.56	1.57	1.53
14	B2	821	CLA	C3D-C4D	-2.56	1.38	1.44
14	A2	1623	CLA	CHD-C1D	2.56	1.43	1.38
14	B1	804	CLA	O2D-CGD	2.56	1.39	1.33
14	B4	830	CLA	CHD-C1D	2.56	1.43	1.38
14	A3	815	CLA	CHD-C1D	2.56	1.43	1.38
14	K3	1401	CLA	C1D-ND	2.56	1.40	1.37
14	B2	825	CLA	O2D-CGD	2.56	1.39	1.33
14	B3	1829	CLA	C1C-C2C	2.56	1.49	1.44
14	B4	827	CLA	MG-NA	2.56	2.12	2.06
14	B3	1829	CLA	MG-NC	2.56	2.12	2.06
14	B1	832	CLA	CHD-C1D	2.56	1.43	1.38
14	B1	834	CLA	CHD-C1D	2.56	1.43	1.38
14	L6	207	CLA	OBD-CAD	2.56	1.26	1.22
14	B6	804	CLA	C1D-ND	2.56	1.40	1.37
14	A6	1624	CLA	MG-NA	2.56	2.12	2.06
14	J5	101	CLA	MG-NC	2.56	2.12	2.06
14	A2	1614	CLA	OBD-CAD	2.56	1.26	1.22
14	B4	836	CLA	C3C-C2C	2.56	1.42	1.36
14	A2	1634	CLA	MG-NC	2.56	2.12	2.06
14	A6	1636	CLA	C3D-C4D	-2.56	1.38	1.44
14	B4	827	CLA	C3C-C2C	2.56	1.42	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B5	1830	CLA	C2-C3	2.55	1.39	1.33
14	B5	1814	CLA	O2D-CGD	2.55	1.39	1.33
14	B6	828	CLA	C2-C3	2.55	1.39	1.33
14	A2	1625	CLA	O2D-CGD	2.55	1.39	1.33
14	A1	818	CLA	CHD-C1D	2.55	1.43	1.38
14	B5	1823	CLA	CHD-C1D	2.55	1.43	1.38
14	A1	822	CLA	O2D-CGD	2.55	1.39	1.33
14	B3	1834	CLA	OBD-CAD	2.55	1.26	1.22
14	B5	1803	CLA	C3D-C4D	-2.55	1.38	1.44
14	A5	824	CLA	C4B-NB	2.55	1.37	1.35
14	A4	818	CLA	CHD-C1D	2.55	1.43	1.38
14	A4	824	CLA	CHD-C1D	2.55	1.43	1.38
14	B3	1818	CLA	C1D-ND	2.55	1.40	1.37
14	B1	824	CLA	OBD-CAD	2.55	1.26	1.22
14	A2	1638	CLA	MG-NA	2.55	2.12	2.06
14	B1	819	CLA	C3B-C2B	2.55	1.43	1.40
14	A4	822	CLA	C4B-NB	2.55	1.37	1.35
14	J6	1103	CLA	C1D-ND	2.55	1.40	1.37
14	B1	828	CLA	C1C-C2C	2.55	1.49	1.44
14	B2	810	CLA	CHD-C1D	2.55	1.43	1.38
14	B3	1837	CLA	O2D-CGD	2.55	1.39	1.33
14	B5	1824	CLA	C1D-ND	2.55	1.40	1.37
14	A6	1625	CLA	CHD-C1D	2.55	1.43	1.38
14	B1	853	CLA	MG-NC	2.55	2.12	2.06
14	L1	202	CLA	C4B-NB	2.55	1.37	1.35
14	A4	817	CLA	O2A-CGA	2.55	1.40	1.33
14	A4	814	CLA	CHD-C1D	2.55	1.43	1.38
14	B4	852	CLA	C3D-C4D	-2.55	1.38	1.44
14	B2	817	CLA	MG-NA	2.55	2.12	2.06
14	A4	839	CLA	OBD-CAD	2.55	1.26	1.22
14	B4	808	CLA	O2D-CGD	2.55	1.39	1.33
14	A2	1605	CLA	MG-NA	2.55	2.12	2.06
14	A4	802	CLA	O2A-CGA	2.55	1.40	1.33
14	B3	1818	CLA	O2D-CGD	2.55	1.39	1.33
14	A4	819	CLA	O2D-CGD	2.55	1.39	1.33
14	B5	1836	CLA	C3C-C2C	2.55	1.42	1.36
14	B6	827	CLA	O2D-CGD	2.55	1.39	1.33
16	A2	1649	BCR	C1-C6	2.55	1.57	1.53
14	B6	838	CLA	C1D-ND	2.55	1.40	1.37
14	A3	821	CLA	MG-NA	2.55	2.12	2.06
14	A4	813	CLA	OBD-CAD	2.54	1.26	1.22
16	A1	844	BCR	C30-C25	2.54	1.57	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B1	837	CLA	C1D-ND	2.54	1.40	1.37
14	A2	1612	CLA	MG-NC	2.54	2.12	2.06
14	A6	1615	CLA	OBD-CAD	2.54	1.26	1.22
14	A6	1623	CLA	C4B-NB	2.54	1.37	1.35
14	A4	805	CLA	CHD-C1D	2.54	1.43	1.38
14	F4	202	CLA	C3D-C4D	-2.54	1.38	1.44
14	B4	836	CLA	OBD-CAD	2.54	1.26	1.22
14	B6	812	CLA	O2D-CGD	2.54	1.39	1.33
14	A3	819	CLA	CHD-C1D	2.54	1.43	1.38
14	B5	1832	CLA	CHD-C1D	2.54	1.43	1.38
14	A4	802	CLA	MG-NA	2.54	2.12	2.06
14	B4	810	CLA	C1D-ND	2.54	1.40	1.37
14	B2	837	CLA	C3C-C2C	2.54	1.42	1.36
14	B4	821	CLA	OBD-CAD	2.54	1.26	1.22
14	K5	102	CLA	CHD-C1D	2.54	1.43	1.38
14	B1	853	CLA	C1D-ND	2.54	1.40	1.37
14	B2	836	CLA	OBD-CAD	2.54	1.26	1.22
16	A5	845	BCR	C1-C6	2.54	1.57	1.53
14	B3	1822	CLA	O2A-CGA	2.54	1.40	1.33
14	A6	1620	CLA	MG-NA	2.54	2.12	2.06
17	A2	1654	LHG	P-O3	2.54	1.69	1.59
14	A3	837	CLA	C3D-C4D	-2.54	1.38	1.44
14	A6	1607	CLA	O2D-CGD	2.54	1.39	1.33
14	B5	1818	CLA	CHD-C1D	2.54	1.43	1.38
14	A1	834	CLA	O2A-CGA	2.54	1.40	1.33
14	B3	1833	CLA	C3D-C4D	-2.54	1.38	1.44
14	B4	811	CLA	MG-NA	2.54	2.12	2.06
14	A5	834	CLA	MG-NA	2.54	2.12	2.06
14	A4	823	CLA	CHD-C1D	2.54	1.43	1.38
14	A5	807	CLA	C1D-ND	2.54	1.40	1.37
14	B1	821	CLA	OBD-CAD	2.54	1.26	1.22
14	B6	802	CLA	C1C-C2C	2.54	1.49	1.44
14	X5	101	CLA	CHD-C1D	2.54	1.43	1.38
14	B1	833	CLA	C1D-ND	2.54	1.40	1.37
14	A3	822	CLA	O2A-CGA	2.54	1.40	1.33
14	A3	845	CLA	MG-NC	2.54	2.12	2.06
14	I1	101	CLA	O2A-CGA	2.54	1.40	1.33
14	B3	1821	CLA	C4B-NB	2.54	1.37	1.35
14	A3	822	CLA	OBD-CAD	2.54	1.26	1.22
14	B2	802	CLA	MG-NC	2.54	2.12	2.06
14	B6	839	CLA	C1D-ND	2.54	1.40	1.37
14	B1	820	CLA	O2D-CGD	2.54	1.39	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A2	1639	CLA	CHD-C4C	2.54	1.45	1.39
14	A6	1624	CLA	CHD-C1D	2.54	1.43	1.38
16	A1	843	BCR	C30-C25	2.54	1.57	1.53
14	A1	827	CLA	MG-NA	2.53	2.12	2.06
14	B2	830	CLA	CHD-C1D	2.53	1.43	1.38
14	B3	1803	CLA	C3D-C4D	-2.53	1.38	1.44
14	A1	828	CLA	C3B-C2B	2.53	1.43	1.40
14	A6	1628	CLA	C1D-ND	2.53	1.40	1.37
14	B6	820	CLA	O2A-CGA	2.53	1.40	1.33
14	B4	802	CLA	O2D-CGD	2.53	1.39	1.33
14	B5	1813	CLA	CHD-C1D	2.53	1.43	1.38
14	A5	803	CLA	MG-NA	2.53	2.12	2.06
14	B1	838	CLA	C3C-C2C	2.53	1.42	1.36
14	B3	1827	CLA	C3C-C2C	2.53	1.42	1.36
14	B5	1805	CLA	C3D-C4D	-2.53	1.38	1.44
14	B1	837	CLA	OBD-CAD	2.53	1.26	1.22
14	B2	839	CLA	O2A-CGA	2.53	1.40	1.33
14	B5	1812	CLA	O2A-CGA	2.53	1.40	1.33
14	A2	1621	CLA	O2D-CGD	2.53	1.39	1.33
14	B3	1839	CLA	C3C-C2C	2.53	1.42	1.36
14	B1	815	CLA	C1D-ND	2.53	1.40	1.37
14	A5	829	CLA	C1D-ND	2.53	1.40	1.37
14	B6	815	CLA	O2D-CGD	2.53	1.39	1.33
14	A2	1616	CLA	CHD-C1D	2.53	1.43	1.38
14	L6	202	CLA	MG-NC	2.53	2.12	2.06
14	A5	836	CLA	O2A-CGA	2.53	1.40	1.33
14	A1	811	CLA	OBD-CAD	2.53	1.26	1.22
14	A2	1601	CLA	OBD-CAD	2.53	1.26	1.22
14	B4	833	CLA	C3D-C4D	-2.53	1.38	1.44
14	B4	826	CLA	C3C-C2C	2.53	1.42	1.36
14	B2	818	CLA	O2D-CGD	2.53	1.39	1.33
14	B2	831	CLA	OBD-CAD	2.53	1.26	1.22
14	B1	828	CLA	MG-NC	2.53	2.12	2.06
14	A3	837	CLA	O2A-CGA	2.53	1.40	1.33
15	B3	1844	PQN	C16-C15	-2.53	1.42	1.52
14	A2	1636	CLA	MG-NA	2.53	2.12	2.06
17	A4	851	LHG	P-O3	2.53	1.69	1.59
14	B4	824	CLA	C3D-C4D	-2.53	1.38	1.44
14	A1	837	CLA	C1D-ND	2.53	1.40	1.37
14	A3	807	CLA	O2A-CGA	2.53	1.40	1.33
14	B4	840	CLA	O2A-CGA	2.53	1.40	1.33
14	B3	1830	CLA	MG-NC	2.53	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B2	832	CLA	CHD-C1D	2.53	1.43	1.38
14	A3	824	CLA	CHD-C1D	2.53	1.43	1.38
14	A3	834	CLA	O2A-CGA	2.53	1.40	1.33
14	J5	102	CLA	C1D-ND	2.53	1.40	1.37
14	J1	101	CLA	OBD-CAD	2.53	1.26	1.22
14	B5	1828	CLA	O2D-CGD	2.53	1.39	1.33
14	B5	1802	CLA	CHD-C1D	2.53	1.43	1.38
14	B4	830	CLA	C2-C3	2.53	1.39	1.33
14	A4	823	CLA	MG-NA	2.53	2.12	2.06
14	B5	1820	CLA	C3B-C2B	2.53	1.43	1.40
14	A1	829	CLA	O2D-CGD	2.53	1.39	1.33
14	A3	841	CLA	C1D-ND	2.53	1.40	1.37
14	B1	802	CLA	CHD-C1D	2.53	1.43	1.38
14	F1	1301	CLA	CHD-C1D	2.53	1.43	1.38
14	B4	822	CLA	C3C-C2C	2.53	1.42	1.36
14	A1	831	CLA	MG-NA	2.53	2.12	2.06
14	B3	1833	CLA	CHD-C1D	2.53	1.43	1.38
14	B4	840	CLA	CHD-C1D	2.53	1.43	1.38
14	B3	1801	CLA	MG-NC	2.53	2.12	2.06
14	A1	805	CLA	OBD-CAD	2.53	1.26	1.22
14	B6	819	CLA	OBD-CAD	2.53	1.26	1.22
14	A1	813	CLA	C1D-ND	2.53	1.40	1.37
14	B3	1812	CLA	O2A-CGA	2.53	1.40	1.33
14	A3	842	CLA	MG-NA	2.53	2.12	2.06
14	A6	1622	CLA	O2A-CGA	2.53	1.40	1.33
14	B6	827	CLA	C1C-C2C	2.52	1.49	1.44
14	B2	833	CLA	OBD-CAD	2.52	1.26	1.22
14	A1	823	CLA	CHD-C1D	2.52	1.43	1.38
14	B1	818	CLA	C1D-ND	2.52	1.40	1.37
14	A6	1611	CLA	OBD-CAD	2.52	1.26	1.22
14	B4	813	CLA	C3C-C2C	2.52	1.42	1.36
14	B6	832	CLA	C3C-C2C	2.52	1.42	1.36
14	A5	841	CLA	O2D-CGD	2.52	1.39	1.33
14	B6	816	CLA	CHD-C1D	2.52	1.43	1.38
14	B4	810	CLA	O2D-CGD	2.52	1.39	1.33
14	A3	842	CLA	O2D-CGD	2.52	1.39	1.33
14	A3	841	CLA	MG-NC	2.52	2.12	2.06
14	A5	828	CLA	MG-NA	2.52	2.12	2.06
14	A1	805	CLA	CHD-C1D	2.52	1.43	1.38
14	B1	816	CLA	O2D-CGD	2.52	1.39	1.33
14	B5	1816	CLA	OBD-CAD	2.52	1.26	1.22
14	B3	1836	CLA	C3C-C2C	2.52	1.42	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
15	B1	842	PQN	C16-C15	-2.52	1.42	1.52
14	B4	837	CLA	OBD-CAD	2.52	1.26	1.22
14	B5	1806	CLA	C1D-ND	2.52	1.40	1.37
14	J4	101	CLA	MG-NC	2.52	2.12	2.06
14	A4	839	CLA	C3D-C4D	-2.52	1.38	1.44
14	A5	823	CLA	C4B-NB	2.52	1.37	1.35
14	A4	805	CLA	OBD-CAD	2.52	1.26	1.22
14	A1	840	CLA	CHD-C1D	2.52	1.43	1.38
14	B3	1813	CLA	CHD-C1D	2.52	1.43	1.38
14	F6	202	CLA	C1D-ND	2.52	1.40	1.37
14	B4	823	CLA	OBD-CAD	2.52	1.26	1.22
14	B1	853	CLA	C3D-C4D	-2.52	1.38	1.44
14	A2	1616	CLA	OBD-CAD	2.52	1.26	1.22
14	A4	815	CLA	OBD-CAD	2.52	1.26	1.22
14	B3	1812	CLA	C1D-ND	2.52	1.40	1.37
14	B2	827	CLA	C2-C3	2.52	1.39	1.33
14	B1	854	CLA	O2A-CGA	2.52	1.40	1.33
14	A1	806	CLA	C1D-ND	2.52	1.40	1.37
14	B4	852	CLA	MG-NC	2.52	2.12	2.06
14	B6	805	CLA	C3D-C4D	-2.52	1.38	1.44
14	B2	814	CLA	OBD-CAD	2.52	1.26	1.22
14	J2	101	CLA	OBD-CAD	2.52	1.26	1.22
14	X1	1701	CLA	C3D-C4D	-2.52	1.38	1.44
14	A3	802	CLA	C1C-C2C	2.52	1.49	1.44
14	A6	1619	CLA	CHD-C1D	2.52	1.43	1.38
14	A6	1638	CLA	O2D-CGD	2.52	1.39	1.33
14	A5	818	CLA	O2A-CGA	2.52	1.40	1.33
14	B1	829	CLA	CHD-C1D	2.52	1.43	1.38
14	A4	836	CLA	CHD-C4C	2.52	1.45	1.39
14	A1	814	CLA	OBD-CAD	2.52	1.26	1.22
14	A3	838	CLA	OBD-CAD	2.52	1.26	1.22
14	B3	1828	CLA	MG-NA	2.52	2.12	2.06
14	B4	819	CLA	OBD-CAD	2.52	1.26	1.22
14	A3	829	CLA	CHD-C1D	2.52	1.43	1.38
14	B4	823	CLA	C3C-C2C	2.51	1.42	1.36
14	A4	805	CLA	O2A-CGA	2.51	1.40	1.33
14	A4	837	CLA	OBD-CAD	2.51	1.26	1.22
14	B5	1810	CLA	OBD-CAD	2.51	1.26	1.22
14	B5	1826	CLA	C3C-C2C	2.51	1.42	1.36
14	A4	814	CLA	OBD-CAD	2.51	1.26	1.22
14	A5	843	CLA	O2A-CGA	2.51	1.40	1.33
14	A2	1641	CLA	C1D-ND	2.51	1.40	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	F2	202	CLA	C1D-ND	2.51	1.40	1.37
14	B3	1835	CLA	CHD-C1D	2.51	1.43	1.38
14	B5	1838	CLA	OBD-CAD	2.51	1.26	1.22
14	A6	1625	CLA	O2A-CGA	2.51	1.40	1.33
14	L2	205	CLA	C1C-C2C	2.51	1.49	1.44
14	L5	206	CLA	OBD-CAD	2.51	1.26	1.22
14	J1	101	CLA	MG-NC	2.51	2.12	2.06
14	A4	835	CLA	C4D-ND	-2.51	1.34	1.37
14	B3	1825	CLA	OBD-CAD	2.51	1.26	1.22
14	J5	101	CLA	OBD-CAD	2.51	1.26	1.22
14	B4	828	CLA	O2D-CGD	2.51	1.39	1.33
14	A3	808	CLA	C4B-NB	2.51	1.37	1.35
14	A3	833	CLA	MG-NA	2.51	2.12	2.06
14	B1	839	CLA	C3C-C2C	2.51	1.42	1.36
14	B1	810	CLA	O2D-CGD	2.51	1.39	1.33
14	B4	812	CLA	MG-NC	2.51	2.12	2.06
14	A2	1604	CLA	O2D-CGD	2.51	1.39	1.33
14	B6	825	CLA	O2D-CGD	2.51	1.39	1.33
17	X4	101	LHG	P-O4	2.51	1.67	1.55
14	A6	1623	CLA	O2D-CGD	2.51	1.39	1.33
14	B1	834	CLA	MG-NC	2.51	2.12	2.06
14	B1	823	CLA	C3C-C2C	2.51	1.42	1.36
14	B1	825	CLA	C3C-C2C	2.51	1.42	1.36
14	A6	1641	CLA	CHD-C1D	2.51	1.43	1.38
14	B5	1822	CLA	CHD-C1D	2.51	1.43	1.38
14	A5	829	CLA	C3B-C2B	2.51	1.43	1.40
14	A5	830	CLA	O2D-CGD	2.51	1.39	1.33
14	B1	823	CLA	C1D-ND	2.51	1.40	1.37
14	B1	828	CLA	C1D-ND	2.51	1.40	1.37
17	A1	849	LHG	P-O3	2.51	1.69	1.59
14	L1	206	CLA	OBD-CAD	2.51	1.26	1.22
14	A5	824	CLA	MG-NA	2.51	2.12	2.06
14	A5	843	CLA	MG-NC	2.51	2.12	2.06
14	A5	836	CLA	C3D-C4D	-2.51	1.38	1.44
14	A6	1615	CLA	CHD-C1D	2.51	1.43	1.38
14	A1	838	CLA	O2A-CGA	2.51	1.40	1.33
14	B1	821	CLA	C4B-NB	2.50	1.37	1.35
14	A6	1613	CLA	C4B-NB	2.50	1.37	1.35
14	A3	833	CLA	CHD-C1D	2.50	1.43	1.38
14	A1	812	CLA	CHD-C1D	2.50	1.43	1.38
16	A6	1643	BCR	C1-C6	2.50	1.57	1.53
14	B6	823	CLA	OBD-CAD	2.50	1.26	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A5	809	CLA	OBD-CAD	2.50	1.26	1.22
14	B2	824	CLA	C3C-C2C	2.50	1.42	1.36
14	B4	832	CLA	C4B-NB	2.50	1.37	1.35
14	A4	835	CLA	MG-NC	2.50	2.12	2.06
14	B5	1835	CLA	MG-NA	2.50	2.12	2.06
14	A2	1603	CLA	C3C-C2C	2.50	1.42	1.36
14	B3	1808	CLA	O2D-CGD	2.50	1.39	1.33
14	A2	1608	CLA	MG-NA	2.50	2.12	2.06
14	B4	818	CLA	CHD-C1D	2.50	1.43	1.38
14	A3	823	CLA	C4B-NB	2.50	1.37	1.35
14	B1	833	CLA	MG-NA	2.50	2.12	2.06
14	B5	1817	CLA	MG-NC	2.50	2.12	2.06
14	A6	1639	CLA	C1D-ND	2.50	1.40	1.37
14	X2	1701	CLA	CHD-C1D	2.50	1.43	1.38
14	A4	835	CLA	O2A-CGA	2.50	1.40	1.33
14	L5	203	CLA	C4B-NB	2.50	1.37	1.35
14	B5	1807	CLA	O2D-CGD	2.50	1.39	1.33
14	B6	811	CLA	CHD-C1D	2.50	1.43	1.38
14	A5	814	CLA	OBD-CAD	2.50	1.26	1.22
14	F5	1301	CLA	CHD-C1D	2.50	1.43	1.38
14	M2	1201	CLA	C1D-ND	2.50	1.40	1.37
14	B5	1813	CLA	C1D-ND	2.50	1.40	1.37
14	B2	801	CLA	MG-NA	2.50	2.12	2.06
14	A6	1621	CLA	MG-NA	2.50	2.12	2.06
14	A6	1629	CLA	CHD-C1D	2.50	1.43	1.38
14	B6	831	CLA	C1D-ND	2.50	1.40	1.37
14	A6	1619	CLA	C4B-NB	2.50	1.37	1.35
14	A1	820	CLA	MG-NA	2.50	2.12	2.06
14	J3	101	CLA	OBD-CAD	2.50	1.26	1.22
14	B5	1841	CLA	O2D-CGD	2.50	1.39	1.33
14	B4	834	CLA	C3C-C2C	2.50	1.42	1.36
14	B4	822	CLA	CHD-C1D	2.50	1.43	1.38
14	A2	1638	CLA	O2A-CGA	2.50	1.40	1.33
14	A1	815	CLA	OBD-CAD	2.50	1.26	1.22
14	B1	808	CLA	O2D-CGD	2.50	1.39	1.33
14	L2	207	CLA	OBD-CAD	2.50	1.26	1.22
14	B3	1822	CLA	OBD-CAD	2.50	1.26	1.22
17	A6	1650	LHG	P-O3	2.50	1.69	1.59
14	B6	807	CLA	O2D-CGD	2.50	1.39	1.33
14	B2	813	CLA	CHD-C1D	2.50	1.43	1.38
14	A3	829	CLA	MG-NC	2.49	2.12	2.06
14	B1	815	CLA	OBD-CAD	2.49	1.26	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A2	1642	CLA	OBD-CAD	2.49	1.26	1.22
14	B6	834	CLA	C3C-C2C	2.49	1.42	1.36
14	B2	838	CLA	O2D-CGD	2.49	1.39	1.33
14	A5	821	CLA	MG-NA	2.49	2.12	2.06
14	A2	1608	CLA	CHD-C1D	2.49	1.43	1.38
14	B1	803	CLA	C3C-C2C	2.49	1.42	1.36
14	B1	827	CLA	O2D-CGD	2.49	1.39	1.33
14	A4	834	CLA	OBD-CAD	2.49	1.26	1.22
14	B6	814	CLA	OBD-CAD	2.49	1.26	1.22
14	A4	814	CLA	C4B-NB	2.49	1.37	1.35
14	B5	1808	CLA	O2D-CGD	2.49	1.39	1.33
14	B4	835	CLA	C1D-ND	2.49	1.40	1.37
16	A1	844	BCR	C1-C6	2.49	1.57	1.53
14	B2	813	CLA	OBD-CAD	2.49	1.26	1.22
14	B4	833	CLA	CHD-C1D	2.49	1.43	1.38
14	A6	1633	CLA	O2A-CGA	2.49	1.40	1.33
14	B5	1842	CLA	O2A-CGA	2.49	1.40	1.33
14	A5	814	CLA	C1D-ND	2.49	1.40	1.37
14	B6	826	CLA	MG-NA	2.49	2.12	2.06
14	B6	837	CLA	C3C-C2C	2.49	1.42	1.36
14	B1	839	CLA	CHD-C1D	2.49	1.43	1.38
14	A5	836	CLA	MG-NC	2.49	2.12	2.06
14	A1	835	CLA	OBD-CAD	2.49	1.26	1.22
14	B4	840	CLA	C3C-C2C	2.49	1.42	1.36
14	A2	1606	CLA	CHD-C1D	2.49	1.43	1.38
14	A1	806	CLA	O2A-CGA	2.49	1.40	1.33
14	A4	823	CLA	O2D-CGD	2.49	1.39	1.33
14	B1	814	CLA	OBD-CAD	2.49	1.26	1.22
14	B1	805	CLA	MG-NC	2.49	2.12	2.06
14	B5	1804	CLA	MG-NC	2.49	2.12	2.06
14	A5	823	CLA	O2D-CGD	2.49	1.39	1.33
14	A3	806	CLA	O2A-CGA	2.49	1.40	1.33
14	A3	804	CLA	OBD-CAD	2.49	1.26	1.22
14	B5	1815	CLA	OBD-CAD	2.49	1.26	1.22
14	B5	1823	CLA	OBD-CAD	2.49	1.26	1.22
14	A5	832	CLA	MG-NC	2.49	2.12	2.06
14	B5	1833	CLA	CHD-C1D	2.49	1.43	1.38
14	B4	812	CLA	O2A-CGA	2.49	1.40	1.33
14	A1	810	CLA	MG-NC	2.49	2.12	2.06
14	B4	823	CLA	MG-NC	2.49	2.12	2.06
14	B2	831	CLA	C3C-C2C	2.49	1.42	1.36
14	B6	809	CLA	MG-NC	2.49	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B3	1837	CLA	C3C-C2C	2.49	1.42	1.36
14	B5	1813	CLA	C3C-C2C	2.49	1.42	1.36
14	A1	811	CLA	C1D-ND	2.49	1.40	1.37
14	A2	1601	CLA	C3C-C2C	2.49	1.42	1.36
14	B2	833	CLA	C3C-C2C	2.49	1.42	1.36
14	B5	1828	CLA	MG-NA	2.49	2.12	2.06
14	A3	828	CLA	C1D-ND	2.48	1.40	1.37
14	I6	101	CLA	C1D-ND	2.48	1.40	1.37
14	B2	826	CLA	MG-NC	2.48	2.12	2.06
14	B2	821	CLA	CHD-C1D	2.48	1.43	1.38
14	A2	1641	CLA	MG-NA	2.48	2.12	2.06
14	B1	826	CLA	C3C-C2C	2.48	1.42	1.36
14	A1	837	CLA	OBD-CAD	2.48	1.26	1.22
14	J4	101	CLA	OBD-CAD	2.48	1.26	1.22
14	X2	1701	CLA	C1D-ND	2.48	1.40	1.37
14	B5	1833	CLA	C1D-ND	2.48	1.40	1.37
14	B2	814	CLA	O2D-CGD	2.48	1.39	1.33
14	B1	818	CLA	CHD-C1D	2.48	1.43	1.38
14	B3	1832	CLA	C4B-NB	2.48	1.37	1.35
14	B3	1802	CLA	O2D-CGD	2.48	1.39	1.33
14	B4	833	CLA	MG-NA	2.48	2.12	2.06
14	B1	811	CLA	MG-NC	2.48	2.12	2.06
14	A2	1631	CLA	MG-NC	2.48	2.12	2.06
14	B4	838	CLA	OBD-CAD	2.48	1.26	1.22
14	A1	806	CLA	MG-NC	2.48	2.12	2.06
14	B3	1825	CLA	O2D-CGD	2.48	1.39	1.33
14	A2	1611	CLA	O2D-CGD	2.48	1.39	1.33
14	X4	102	CLA	CHD-C1D	2.48	1.43	1.38
14	B2	826	CLA	C1C-C2C	2.48	1.49	1.44
14	B3	1821	CLA	O2D-CGD	2.48	1.39	1.33
14	A5	824	CLA	CHD-C1D	2.48	1.43	1.38
14	A5	840	CLA	C1D-ND	2.48	1.40	1.37
14	B1	826	CLA	MG-NA	2.48	2.12	2.06
14	A4	828	CLA	C1D-ND	2.48	1.40	1.37
14	B2	809	CLA	O2A-CGA	2.48	1.40	1.33
14	A3	809	CLA	OBD-CAD	2.48	1.26	1.22
14	B4	805	CLA	OBD-CAD	2.48	1.26	1.22
14	B5	1822	CLA	C4B-NB	2.48	1.37	1.35
14	A1	804	CLA	CHD-C1D	2.48	1.43	1.38
14	B2	803	CLA	MG-NA	2.48	2.12	2.06
14	A6	1636	CLA	O2A-CGA	2.48	1.40	1.33
14	A4	823	CLA	C3C-C2C	2.48	1.42	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B5	1827	CLA	C3C-C2C	2.48	1.42	1.36
14	B4	815	CLA	OBD-CAD	2.48	1.26	1.22
14	A4	809	CLA	CHD-C1D	2.48	1.43	1.38
14	K4	1401	CLA	CHD-C1D	2.48	1.43	1.38
14	A3	820	CLA	O2D-CGD	2.48	1.39	1.33
14	B6	823	CLA	O2D-CGD	2.48	1.39	1.33
14	B6	827	CLA	MG-NC	2.48	2.12	2.06
14	J5	101	CLA	C3C-C2C	2.48	1.42	1.36
14	B1	806	CLA	C3D-C4D	-2.48	1.38	1.44
14	A1	827	CLA	C1D-ND	2.48	1.40	1.37
14	A4	827	CLA	C1D-ND	2.48	1.40	1.37
14	B4	833	CLA	C1D-ND	2.48	1.40	1.37
14	B6	806	CLA	O2D-CGD	2.47	1.39	1.33
14	A2	1617	CLA	OBD-CAD	2.47	1.26	1.22
14	A4	803	CLA	OBD-CAD	2.47	1.26	1.22
14	B2	814	CLA	MG-NC	2.47	2.12	2.06
14	B6	815	CLA	MG-NC	2.47	2.12	2.06
14	B5	1820	CLA	C4B-NB	2.47	1.37	1.35
14	F1	1301	CLA	OBD-CAD	2.47	1.26	1.22
14	B6	836	CLA	OBD-CAD	2.47	1.26	1.22
14	B5	1837	CLA	OBD-CAD	2.47	1.26	1.22
14	J6	1101	CLA	MG-NA	2.47	2.12	2.06
14	A4	808	CLA	OBD-CAD	2.47	1.26	1.22
14	J1	101	CLA	C3D-C4D	-2.47	1.38	1.44
14	A2	1621	CLA	CHD-C1D	2.47	1.43	1.38
14	B4	821	CLA	C3C-C2C	2.47	1.42	1.36
14	B6	824	CLA	C3C-C2C	2.47	1.42	1.36
14	A2	1603	CLA	C1C-C2C	2.47	1.49	1.44
14	B5	1833	CLA	MG-NA	2.47	2.12	2.06
14	B2	820	CLA	C3C-C2C	2.47	1.42	1.36
14	A5	806	CLA	CHD-C1D	2.47	1.43	1.38
14	A1	803	CLA	OBD-CAD	2.47	1.26	1.22
14	B1	814	CLA	MG-NC	2.47	2.12	2.06
14	A2	1617	CLA	CHD-C1D	2.47	1.43	1.38
14	A2	1631	CLA	C1D-ND	2.47	1.40	1.37
14	B1	838	CLA	OBD-CAD	2.47	1.26	1.22
14	X4	102	CLA	OBD-CAD	2.47	1.26	1.22
14	B3	1822	CLA	CHD-C1D	2.47	1.43	1.38
14	A1	821	CLA	C3C-C2C	2.47	1.42	1.36
14	L1	202	CLA	O2A-CGA	2.47	1.40	1.33
14	L2	207	CLA	MG-NC	2.47	2.12	2.06
14	B4	842	CLA	MG-NC	2.47	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B1	822	CLA	C3C-C2C	2.47	1.42	1.36
14	A1	819	CLA	O2D-CGD	2.47	1.39	1.33
14	B5	1836	CLA	OBD-CAD	2.47	1.26	1.22
14	A2	1609	CLA	C1D-ND	2.47	1.40	1.37
14	A2	1618	CLA	C1D-ND	2.47	1.40	1.37
14	B3	1833	CLA	MG-NA	2.47	2.12	2.06
14	B2	818	CLA	OBD-CAD	2.47	1.26	1.22
14	B5	1822	CLA	C3C-C2C	2.47	1.42	1.36
14	B5	1802	CLA	O2D-CGD	2.47	1.39	1.33
14	B1	827	CLA	MG-NA	2.47	2.12	2.06
14	A6	1607	CLA	O2A-CGA	2.47	1.40	1.33
14	A4	835	CLA	C1D-ND	2.47	1.40	1.37
14	A5	840	CLA	OBD-CAD	2.47	1.26	1.22
14	B3	1804	CLA	C1C-C2C	2.47	1.49	1.44
14	A1	814	CLA	C3C-C2C	2.47	1.42	1.36
14	A1	810	CLA	OBD-CAD	2.47	1.26	1.22
14	B1	839	CLA	C1D-ND	2.47	1.40	1.37
14	B5	1809	CLA	C1D-ND	2.47	1.40	1.37
14	B3	1840	CLA	MG-NA	2.47	2.12	2.06
14	B2	822	CLA	O2D-CGD	2.47	1.39	1.33
14	B2	819	CLA	C4B-NB	2.47	1.37	1.35
14	B5	1824	CLA	C3C-C2C	2.47	1.42	1.36
14	A4	815	CLA	C1D-ND	2.47	1.40	1.37
14	A3	811	CLA	MG-NA	2.47	2.12	2.06
14	B4	804	CLA	CHD-C1D	2.47	1.43	1.38
14	A6	1637	CLA	CHD-C4C	2.47	1.44	1.39
14	A4	831	CLA	O2D-CGD	2.47	1.39	1.33
14	B4	807	CLA	O2D-CGD	2.47	1.39	1.33
14	A6	1633	CLA	C4B-NB	2.47	1.37	1.35
14	A5	808	CLA	C4B-NB	2.47	1.37	1.35
16	A4	845	BCR	C30-C25	2.47	1.57	1.53
14	B5	1839	CLA	C3C-C2C	2.46	1.42	1.36
14	A4	810	CLA	OBD-CAD	2.46	1.26	1.22
14	B2	820	CLA	CHD-C1D	2.46	1.43	1.38
14	B3	1829	CLA	MG-NA	2.46	2.12	2.06
14	A5	803	CLA	O2A-CGA	2.46	1.40	1.33
14	J4	101	CLA	C3C-C2C	2.46	1.41	1.36
14	B3	1823	CLA	OBD-CAD	2.46	1.26	1.22
14	B6	838	CLA	C3C-C2C	2.46	1.41	1.36
14	B5	1823	CLA	C3C-C2C	2.46	1.41	1.36
14	A4	820	CLA	O2A-CGA	2.46	1.40	1.33
14	B6	839	CLA	O2D-CGD	2.46	1.39	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B5	1825	CLA	O2D-CGD	2.46	1.39	1.33
14	B5	1819	CLA	OBD-CAD	2.46	1.26	1.22
14	B6	827	CLA	C1D-ND	2.46	1.40	1.37
14	A2	1609	CLA	O2A-CGA	2.46	1.40	1.33
14	A3	809	CLA	O2D-CGD	2.46	1.39	1.33
14	A2	1631	CLA	CHD-C1D	2.46	1.43	1.38
14	A4	835	CLA	MG-NA	2.46	2.12	2.06
14	A2	1605	CLA	O2A-CGA	2.46	1.40	1.33
15	B4	844	PQN	C16-C15	-2.46	1.43	1.52
14	A6	1629	CLA	C1D-ND	2.46	1.40	1.37
14	A3	807	CLA	O2D-CGD	2.46	1.39	1.33
14	B2	837	CLA	CHD-C1D	2.46	1.43	1.38
14	A4	804	CLA	CHD-C1D	2.46	1.43	1.38
14	B6	803	CLA	C3C-C2C	2.46	1.41	1.36
14	A3	812	CLA	OBD-CAD	2.46	1.26	1.22
14	A6	1609	CLA	OBD-CAD	2.46	1.26	1.22
14	A6	1603	CLA	O2D-CGD	2.46	1.39	1.33
14	B3	1819	CLA	OBD-CAD	2.46	1.26	1.22
14	A3	821	CLA	O2A-CGA	2.46	1.40	1.33
17	A5	852	LHG	P-O3	2.46	1.69	1.59
14	A1	815	CLA	C1D-ND	2.46	1.40	1.37
14	L1	205	CLA	C1C-C2C	2.46	1.49	1.44
14	A2	1614	CLA	C3D-C4D	-2.46	1.38	1.44
14	A2	1609	CLA	MG-NC	2.46	2.12	2.06
14	L2	202	CLA	O2A-CGA	2.46	1.40	1.33
14	L6	206	CLA	C1C-C2C	2.46	1.49	1.44
17	A5	851	LHG	P-O6	2.46	1.69	1.59
14	A1	809	CLA	CHD-C1D	2.46	1.43	1.38
14	A3	807	CLA	MG-NC	2.46	2.12	2.06
14	A2	1610	CLA	OBD-CAD	2.46	1.26	1.22
14	B2	823	CLA	C3C-C2C	2.46	1.41	1.36
14	A4	812	CLA	C4B-NB	2.46	1.37	1.35
15	B2	841	PQN	C16-C15	-2.46	1.43	1.52
14	B4	801	CLA	C3C-C2C	2.46	1.41	1.36
17	B6	849	LHG	P-O4	2.46	1.66	1.55
15	B5	1844	PQN	C16-C15	-2.46	1.43	1.52
14	A6	1622	CLA	OBD-CAD	2.46	1.26	1.22
14	A2	1630	CLA	C1D-ND	2.46	1.40	1.37
14	B6	834	CLA	OBD-CAD	2.46	1.26	1.22
14	A1	837	CLA	MG-NC	2.46	2.12	2.06
14	B3	1804	CLA	MG-NC	2.46	2.12	2.06
14	B2	837	CLA	O2A-CGA	2.46	1.40	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A5	837	CLA	CHD-C4C	2.46	1.44	1.39
14	B3	1803	CLA	C1B-NB	2.46	1.37	1.35
14	B3	1823	CLA	MG-NC	2.46	2.12	2.06
14	F4	202	CLA	CHD-C1D	2.45	1.43	1.38
14	L5	203	CLA	O2A-CGA	2.45	1.40	1.33
14	B1	816	CLA	MG-NC	2.45	2.12	2.06
14	B3	1818	CLA	CHD-C1D	2.45	1.43	1.38
14	A6	1612	CLA	C3D-C4D	-2.45	1.38	1.44
14	J4	102	CLA	MG-NC	2.45	2.12	2.06
14	B5	1803	CLA	O2D-CGD	2.45	1.39	1.33
14	A1	810	CLA	C1D-ND	2.45	1.40	1.37
14	A2	1620	CLA	C1D-ND	2.45	1.40	1.37
14	B2	837	CLA	C4B-NB	2.45	1.37	1.35
14	A3	804	CLA	C4B-NB	2.45	1.37	1.35
14	A4	831	CLA	MG-NC	2.45	2.12	2.06
14	B5	1806	CLA	MG-NA	2.45	2.12	2.06
14	A3	812	CLA	C3D-C4D	-2.45	1.38	1.44
14	B5	1829	CLA	C1C-C2C	2.45	1.49	1.44
14	B2	822	CLA	OBD-CAD	2.45	1.26	1.22
14	A6	1606	CLA	CHD-C1D	2.45	1.43	1.38
14	A5	813	CLA	CHD-C1D	2.45	1.43	1.38
14	A1	823	CLA	O2D-CGD	2.45	1.39	1.33
14	J4	101	CLA	C1D-ND	2.45	1.40	1.37
14	X4	102	CLA	C1D-ND	2.45	1.40	1.37
14	A5	821	CLA	O2A-CGA	2.45	1.40	1.33
14	B6	820	CLA	C3C-C2C	2.45	1.41	1.36
16	A1	847	BCR	C30-C25	2.45	1.57	1.53
14	L2	206	CLA	MG-NA	2.45	2.12	2.06
14	B2	815	CLA	CHD-C1D	2.45	1.43	1.38
14	B3	1804	CLA	CHD-C1D	2.45	1.43	1.38
14	B1	806	CLA	MG-NA	2.45	2.12	2.06
14	B5	1801	CLA	MG-NC	2.45	2.12	2.06
14	A1	812	CLA	C4B-NB	2.45	1.37	1.35
14	A3	806	CLA	CHD-C1D	2.45	1.43	1.38
14	B4	811	CLA	MG-NC	2.45	2.12	2.06
14	L5	204	CLA	C1C-C2C	2.45	1.49	1.44
14	B3	1821	CLA	C3C-C2C	2.45	1.41	1.36
14	B5	1827	CLA	O2D-CGD	2.45	1.39	1.33
14	B2	804	CLA	O2D-CGD	2.45	1.39	1.33
14	B6	840	CLA	MG-NC	2.45	2.12	2.06
14	A2	1608	CLA	OBD-CAD	2.45	1.26	1.22
14	A5	804	CLA	OBD-CAD	2.45	1.26	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A5	807	CLA	O2A-CGA	2.45	1.40	1.33
14	L4	205	CLA	MG-NC	2.45	2.12	2.06
14	J6	1102	CLA	C3C-C2C	2.45	1.41	1.36
14	B2	802	CLA	CHD-C1D	2.45	1.43	1.38
14	A1	814	CLA	C1D-ND	2.45	1.40	1.37
14	B2	826	CLA	C1D-ND	2.45	1.40	1.37
14	B5	1840	CLA	O2A-CGA	2.45	1.40	1.33
14	A2	1624	CLA	OBD-CAD	2.45	1.26	1.22
14	B2	803	CLA	OBD-CAD	2.45	1.26	1.22
14	A1	818	CLA	C1D-ND	2.45	1.40	1.37
14	B6	834	CLA	C1D-ND	2.45	1.40	1.37
14	B5	1817	CLA	O2D-CGD	2.45	1.39	1.33
14	B3	1834	CLA	C3C-C2C	2.45	1.41	1.36
17	A1	848	LHG	P-O6	2.45	1.69	1.59
14	B3	1827	CLA	O2A-CGA	2.44	1.40	1.33
14	A2	1620	CLA	O2A-CGA	2.44	1.40	1.33
14	B6	821	CLA	C3C-C2C	2.44	1.41	1.36
14	B3	1809	CLA	C1D-ND	2.44	1.40	1.37
14	A6	1603	CLA	CHD-C1D	2.44	1.43	1.38
14	A3	813	CLA	C4B-NB	2.44	1.37	1.35
14	A3	818	CLA	O2A-CGA	2.44	1.40	1.33
14	A3	812	CLA	C1D-ND	2.44	1.40	1.37
14	A5	816	CLA	C1D-ND	2.44	1.40	1.37
14	X2	1701	CLA	OBD-CAD	2.44	1.26	1.22
14	B5	1834	CLA	C3C-C2C	2.44	1.41	1.36
14	B4	829	CLA	C1C-C2C	2.44	1.49	1.44
14	A3	811	CLA	C1D-ND	2.44	1.40	1.37
14	B4	835	CLA	CHD-C1D	2.44	1.43	1.38
14	A4	838	CLA	MG-NA	2.44	2.12	2.06
14	A2	1615	CLA	O2A-CGA	2.44	1.40	1.33
14	B6	819	CLA	O2A-CGA	2.44	1.40	1.33
15	B6	842	PQN	C16-C15	-2.44	1.43	1.52
14	B5	1827	CLA	OBD-CAD	2.44	1.26	1.22
14	A6	1613	CLA	CHD-C1D	2.44	1.43	1.38
14	B2	837	CLA	OBD-CAD	2.44	1.26	1.22
14	B6	803	CLA	C1D-ND	2.44	1.40	1.37
14	A4	838	CLA	C3C-C2C	2.44	1.41	1.36
14	B5	1803	CLA	MG-NC	2.44	2.12	2.06
14	A5	820	CLA	O2D-CGD	2.44	1.39	1.33
14	B6	831	CLA	CHD-C1D	2.44	1.43	1.38
14	A2	1604	CLA	C4B-NB	2.44	1.37	1.35
14	B5	1821	CLA	OBD-CAD	2.44	1.26	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B1	803	CLA	C1D-ND	2.44	1.40	1.37
14	A6	1612	CLA	C1D-ND	2.44	1.40	1.37
14	B5	1831	CLA	CHD-C1D	2.44	1.43	1.38
14	B6	805	CLA	OBD-CAD	2.44	1.26	1.22
14	B5	1837	CLA	C3C-C2C	2.44	1.41	1.36
14	B3	1815	CLA	OBD-CAD	2.44	1.26	1.22
14	A5	822	CLA	OBD-CAD	2.44	1.26	1.22
14	B1	821	CLA	C3C-C2C	2.44	1.41	1.36
14	B4	801	CLA	C1C-C2C	2.44	1.49	1.44
14	A2	1642	CLA	C1D-ND	2.44	1.40	1.37
14	B1	817	CLA	CHD-C1D	2.44	1.43	1.38
14	B6	838	CLA	O2A-CGA	2.44	1.40	1.33
14	B1	815	CLA	C3C-C2C	2.44	1.41	1.36
14	A6	1632	CLA	CHD-C1D	2.44	1.43	1.38
14	A4	832	CLA	CHD-C1D	2.44	1.43	1.38
14	B4	827	CLA	O2A-CGA	2.44	1.40	1.33
14	B3	1813	CLA	C3C-C2C	2.44	1.41	1.36
14	L1	206	CLA	CHD-C1D	2.44	1.43	1.38
14	A6	1651	CLA	CHD-C1D	2.44	1.43	1.38
14	A2	1608	CLA	O2A-CGA	2.44	1.40	1.33
14	L5	205	CLA	MG-NA	2.44	2.12	2.06
14	B4	805	CLA	MG-NA	2.44	2.12	2.06
14	A2	1641	CLA	C3C-C2C	2.44	1.41	1.36
14	B3	1807	CLA	O2D-CGD	2.44	1.39	1.33
14	A4	816	CLA	C1D-ND	2.44	1.40	1.37
14	A4	817	CLA	C1D-ND	2.44	1.40	1.37
14	B5	1827	CLA	C1D-ND	2.44	1.40	1.37
14	L2	206	CLA	O2D-CGD	2.44	1.39	1.33
14	B1	809	CLA	C1D-ND	2.44	1.40	1.37
14	B6	804	CLA	O2D-CGD	2.44	1.39	1.33
14	B6	803	CLA	MG-NA	2.44	2.12	2.06
14	A2	1645	CLA	CHD-C1D	2.43	1.43	1.38
14	A2	1606	CLA	OBD-CAD	2.43	1.26	1.22
14	A4	814	CLA	C3C-C2C	2.43	1.41	1.36
14	L3	203	CLA	C1C-C2C	2.43	1.49	1.44
14	B3	1840	CLA	C3C-C2C	2.43	1.41	1.36
14	A5	807	CLA	MG-NC	2.43	2.12	2.06
14	I1	101	CLA	MG-NC	2.43	2.12	2.06
14	B4	852	CLA	O2A-CGA	2.43	1.40	1.33
14	A4	835	CLA	C3D-C4D	-2.43	1.38	1.44
14	B5	1810	CLA	O2D-CGD	2.43	1.39	1.33
14	A1	807	CLA	OBD-CAD	2.43	1.26	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	X6	1701	CLA	OBD-CAD	2.43	1.26	1.22
14	X6	1701	CLA	CHD-C1D	2.43	1.43	1.38
14	A2	1622	CLA	MG-NA	2.43	2.12	2.06
14	B4	829	CLA	O2D-CGD	2.43	1.39	1.33
14	A1	817	CLA	O2A-CGA	2.43	1.40	1.33
14	A3	840	CLA	C3C-C2C	2.43	1.41	1.36
14	A6	1632	CLA	MG-NA	2.43	2.12	2.06
14	B5	1836	CLA	C1D-ND	2.43	1.40	1.37
14	A2	1604	CLA	CHD-C1D	2.43	1.43	1.38
14	B5	1804	CLA	CHD-C1D	2.43	1.43	1.38
14	B3	1841	CLA	O2D-CGD	2.43	1.39	1.33
14	A3	844	CLA	CHD-C1D	2.43	1.43	1.38
14	L3	204	CLA	OBD-CAD	2.43	1.26	1.22
14	J2	101	CLA	MG-NC	2.43	2.12	2.06
14	B6	820	CLA	CHD-C1D	2.43	1.43	1.38
14	B4	838	CLA	C1D-ND	2.43	1.40	1.37
14	B6	825	CLA	OBD-CAD	2.43	1.26	1.22
14	A6	1610	CLA	CHD-C1D	2.43	1.43	1.38
14	B2	810	CLA	C3C-C2C	2.43	1.41	1.36
14	A3	813	CLA	CHD-C1D	2.43	1.43	1.38
14	A1	802	CLA	O2A-CGA	2.43	1.40	1.33
14	B5	1805	CLA	C1C-C2C	2.43	1.49	1.44
14	A4	810	CLA	MG-NC	2.43	2.12	2.06
14	A3	840	CLA	C1D-ND	2.43	1.40	1.37
14	A2	1638	CLA	C3D-C4D	-2.43	1.38	1.44
14	B1	802	CLA	C4B-NB	2.43	1.37	1.35
14	A6	1604	CLA	CHD-C1D	2.43	1.43	1.38
14	A2	1622	CLA	C3C-C2C	2.43	1.41	1.36
14	B4	814	CLA	C3C-C2C	2.43	1.41	1.36
14	A1	821	CLA	OBD-CAD	2.43	1.26	1.22
17	A4	850	LHG	P-O6	2.43	1.69	1.59
14	A3	828	CLA	MG-NA	2.43	2.12	2.06
14	J6	1102	CLA	OBD-CAD	2.42	1.26	1.22
14	L5	205	CLA	OBD-CAD	2.42	1.26	1.22
14	B6	810	CLA	O2A-CGA	2.42	1.40	1.33
17	A3	854	LHG	P-O3	2.42	1.69	1.59
14	A4	821	CLA	OBD-CAD	2.42	1.26	1.22
14	B6	821	CLA	CHD-C1D	2.42	1.43	1.38
14	B6	832	CLA	CHD-C1D	2.42	1.43	1.38
14	B3	1835	CLA	MG-NC	2.42	2.12	2.06
14	A1	835	CLA	CHD-C4C	2.42	1.44	1.39
17	A2	1653	LHG	P-O6	2.42	1.69	1.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B2	839	CLA	MG-NC	2.42	2.12	2.06
14	B3	1819	CLA	MG-NA	2.42	2.12	2.06
14	B5	1829	CLA	O2D-CGD	2.42	1.39	1.33
14	A3	808	CLA	OBD-CAD	2.42	1.26	1.22
14	A5	815	CLA	OBD-CAD	2.42	1.26	1.22
14	B5	1819	CLA	MG-NA	2.42	2.12	2.06
14	B5	1816	CLA	C3C-C2C	2.42	1.41	1.36
14	A3	829	CLA	C1D-ND	2.42	1.40	1.37
14	B1	828	CLA	O2D-CGD	2.42	1.39	1.33
14	B3	1827	CLA	O2D-CGD	2.42	1.39	1.33
14	J3	101	CLA	C3C-C2C	2.42	1.41	1.36
14	A1	803	CLA	CHD-C1D	2.42	1.43	1.38
14	A2	1626	CLA	C3C-C2C	2.42	1.41	1.36
14	A5	812	CLA	C3D-C4D	-2.42	1.38	1.44
14	B2	832	CLA	C1D-ND	2.42	1.40	1.37
14	A3	814	CLA	C1D-ND	2.42	1.40	1.37
14	A5	833	CLA	MG-NA	2.42	2.12	2.06
14	A3	831	CLA	C4B-NB	2.42	1.37	1.35
14	A6	1619	CLA	O2A-CGA	2.42	1.40	1.33
14	B3	1841	CLA	C1D-ND	2.42	1.40	1.37
14	A3	816	CLA	OBD-CAD	2.42	1.26	1.22
14	A5	824	CLA	O2D-CGD	2.42	1.39	1.33
14	B5	1840	CLA	C3C-C2C	2.42	1.41	1.36
14	A3	805	CLA	CHD-C1D	2.42	1.43	1.38
14	A2	1613	CLA	OBD-CAD	2.42	1.26	1.22
16	A6	1645	BCR	C1-C6	2.42	1.57	1.53
14	A1	823	CLA	C3C-C2C	2.42	1.41	1.36
14	B6	805	CLA	C1C-C2C	2.42	1.49	1.44
14	B4	806	CLA	C1D-ND	2.42	1.40	1.37
14	B1	805	CLA	CHD-C1D	2.42	1.43	1.38
14	L4	204	CLA	C4B-NB	2.42	1.37	1.35
14	A1	826	CLA	CHD-C1D	2.42	1.43	1.38
14	B2	801	CLA	CHD-C1D	2.42	1.43	1.38
14	A5	827	CLA	CHD-C1D	2.42	1.43	1.38
14	A6	1609	CLA	O2D-CGD	2.42	1.39	1.33
14	A5	828	CLA	C1D-ND	2.42	1.40	1.37
14	A1	818	CLA	O2A-CGA	2.42	1.40	1.33
14	A5	843	CLA	C1D-ND	2.41	1.40	1.37
14	A5	833	CLA	CHD-C1D	2.41	1.43	1.38
14	J6	1101	CLA	O2A-CGA	2.41	1.40	1.33
14	A1	805	CLA	C4B-NB	2.41	1.37	1.35
14	B1	826	CLA	C4B-NB	2.41	1.37	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B3	1826	CLA	C3C-C2C	2.41	1.41	1.36
14	J5	102	CLA	MG-NC	2.41	2.12	2.06
14	B2	811	CLA	OBD-CAD	2.41	1.26	1.22
14	A3	806	CLA	OBD-CAD	2.41	1.26	1.22
14	B6	805	CLA	MG-NA	2.41	2.12	2.06
14	B4	840	CLA	C1D-ND	2.41	1.40	1.37
14	B4	816	CLA	C3C-C2C	2.41	1.41	1.36
14	B3	1806	CLA	C1D-ND	2.41	1.40	1.37
14	B4	809	CLA	C1D-ND	2.41	1.40	1.37
14	A1	815	CLA	O2A-CGA	2.41	1.40	1.33
14	A5	839	CLA	OBD-CAD	2.41	1.26	1.22
14	L6	207	CLA	O2D-CGD	2.41	1.39	1.33
14	X5	101	CLA	O2D-CGD	2.41	1.39	1.33
14	B3	1840	CLA	O2A-CGA	2.41	1.40	1.33
14	B4	824	CLA	C3C-C2C	2.41	1.41	1.36
14	B5	1840	CLA	OBD-CAD	2.41	1.26	1.22
14	A3	845	CLA	O2A-CGA	2.41	1.40	1.33
14	A1	820	CLA	O2A-CGA	2.41	1.40	1.33
14	B3	1822	CLA	C3C-C2C	2.41	1.41	1.36
14	A4	839	CLA	C1D-ND	2.41	1.40	1.37
14	J3	102	CLA	C3C-C2C	2.41	1.41	1.36
14	X1	1701	CLA	O2D-CGD	2.41	1.39	1.33
14	A1	834	CLA	MG-NC	2.41	2.12	2.06
14	B2	825	CLA	MG-NA	2.41	2.12	2.06
14	B4	817	CLA	MG-NC	2.41	2.12	2.06
14	A3	816	CLA	C1D-ND	2.41	1.40	1.37
14	A6	1614	CLA	OBD-CAD	2.41	1.26	1.22
14	A6	1651	CLA	MG-NC	2.41	2.12	2.06
14	B6	819	CLA	C3C-C2C	2.41	1.41	1.36
14	B5	1805	CLA	MG-NA	2.41	2.12	2.06
14	A4	853	CLA	OBD-CAD	2.41	1.26	1.22
14	A5	812	CLA	OBD-CAD	2.41	1.26	1.22
14	A3	838	CLA	CHD-C4C	2.41	1.44	1.39
14	B1	839	CLA	O2A-CGA	2.41	1.40	1.33
14	X5	101	CLA	C1D-ND	2.41	1.40	1.37
14	B2	825	CLA	MG-NC	2.41	2.12	2.06
14	A3	811	CLA	OBD-CAD	2.41	1.26	1.22
14	B1	807	CLA	OBD-CAD	2.41	1.26	1.22
14	B1	810	CLA	OBD-CAD	2.41	1.26	1.22
14	A6	1616	CLA	OBD-CAD	2.41	1.26	1.22
14	B4	804	CLA	C1C-C2C	2.41	1.49	1.44
14	B6	807	CLA	C3C-C2C	2.41	1.41	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	L5	205	CLA	C3C-C2C	2.41	1.41	1.36
14	B4	834	CLA	O2D-CGD	2.41	1.39	1.33
14	A1	802	CLA	CHD-C1D	2.41	1.43	1.38
14	A5	813	CLA	C4B-NB	2.41	1.37	1.35
14	B6	812	CLA	OBD-CAD	2.41	1.26	1.22
14	A6	1620	CLA	C3C-C2C	2.41	1.41	1.36
14	A1	828	CLA	CHD-C1D	2.41	1.43	1.38
14	B1	808	CLA	MG-NA	2.40	2.12	2.06
14	A3	803	CLA	MG-NA	2.40	2.12	2.06
14	L5	206	CLA	MG-NC	2.40	2.12	2.06
14	A1	819	CLA	C3C-C2C	2.40	1.41	1.36
14	B3	1836	CLA	OBD-CAD	2.40	1.26	1.22
14	X1	1701	CLA	CHD-C1D	2.40	1.43	1.38
14	B3	1803	CLA	CHD-C1D	2.40	1.43	1.38
14	B5	1841	CLA	MG-NA	2.40	2.12	2.06
14	B3	1817	CLA	O2D-CGD	2.40	1.39	1.33
14	A5	837	CLA	OBD-CAD	2.40	1.26	1.22
14	B4	825	CLA	O2D-CGD	2.40	1.39	1.33
14	B4	824	CLA	CHD-C1D	2.40	1.43	1.38
14	A2	1630	CLA	MG-NA	2.40	2.12	2.06
14	A2	1635	CLA	MG-NA	2.40	2.12	2.06
14	A6	1636	CLA	MG-NA	2.40	2.12	2.06
14	A6	1613	CLA	O2A-CGA	2.40	1.40	1.33
14	A3	840	CLA	MG-NA	2.40	2.12	2.06
14	B1	834	CLA	OBD-CAD	2.40	1.26	1.22
14	A2	1626	CLA	O2D-CGD	2.40	1.39	1.33
16	B1	843	BCR	C1-C6	2.40	1.57	1.53
14	B3	1811	CLA	MG-NC	2.40	2.12	2.06
14	J6	1102	CLA	MG-NC	2.40	2.12	2.06
14	A2	1610	CLA	C4B-NB	2.40	1.37	1.35
14	X1	1701	CLA	OBD-CAD	2.40	1.26	1.22
14	B3	1802	CLA	CHD-C1D	2.40	1.43	1.38
14	B6	822	CLA	CHD-C1D	2.40	1.43	1.38
14	A6	1618	CLA	O2A-CGA	2.40	1.40	1.33
14	B2	824	CLA	O2D-CGD	2.40	1.39	1.33
14	J6	1103	CLA	MG-NC	2.40	2.12	2.06
14	B1	822	CLA	MG-NC	2.40	2.12	2.06
14	X3	102	CLA	OBD-CAD	2.40	1.26	1.22
14	B4	813	CLA	OBD-CAD	2.40	1.26	1.22
14	A2	1615	CLA	CHD-C1D	2.40	1.43	1.38
14	A5	810	CLA	CHD-C1D	2.40	1.43	1.38
14	B5	1804	CLA	C1C-C2C	2.40	1.49	1.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B4	827	CLA	O2D-CGD	2.40	1.39	1.33
14	B4	806	CLA	MG-NA	2.40	2.12	2.06
14	B1	813	CLA	OBD-CAD	2.40	1.26	1.22
14	A4	819	CLA	C3C-C2C	2.40	1.41	1.36
14	B3	1834	CLA	MG-NA	2.40	2.12	2.06
14	B1	819	CLA	C4B-NB	2.40	1.37	1.35
14	A2	1607	CLA	C4B-NB	2.40	1.37	1.35
14	A5	820	CLA	C3C-C2C	2.40	1.41	1.36
14	A2	1616	CLA	C1D-ND	2.40	1.40	1.37
14	B4	819	CLA	C1D-ND	2.40	1.40	1.37
14	A4	820	CLA	MG-NA	2.40	2.12	2.06
14	A6	1606	CLA	O2A-CGA	2.40	1.40	1.33
14	A5	825	CLA	C3C-C2C	2.40	1.41	1.36
14	A5	806	CLA	O2A-CGA	2.40	1.40	1.33
14	B3	1833	CLA	C1D-ND	2.40	1.40	1.37
14	A2	1605	CLA	CHD-C1D	2.40	1.43	1.38
14	A1	824	CLA	C3C-C2C	2.40	1.41	1.36
14	A6	1639	CLA	OBD-CAD	2.40	1.26	1.22
14	B6	835	CLA	OBD-CAD	2.40	1.26	1.22
14	B1	827	CLA	MG-NC	2.40	2.12	2.06
14	A4	821	CLA	C3C-C2C	2.40	1.41	1.36
14	A5	806	CLA	OBD-CAD	2.40	1.26	1.22
14	B5	1821	CLA	C3C-C2C	2.40	1.41	1.36
14	A4	802	CLA	CHD-C1D	2.40	1.43	1.38
14	B5	1822	CLA	OBD-CAD	2.40	1.26	1.22
14	L4	203	CLA	C1C-C2C	2.40	1.49	1.44
14	A5	836	CLA	MG-NA	2.40	2.12	2.06
14	A5	802	CLA	C3C-C2C	2.39	1.41	1.36
14	B6	808	CLA	O2A-CGA	2.39	1.40	1.33
14	A6	1611	CLA	MG-NC	2.39	2.12	2.06
14	A1	808	CLA	CHD-C1D	2.39	1.43	1.38
14	B6	833	CLA	CHD-C1D	2.39	1.43	1.38
14	A4	824	CLA	C3C-C2C	2.39	1.41	1.36
14	B1	823	CLA	CHD-C1D	2.39	1.43	1.38
14	B3	1802	CLA	OBD-CAD	2.39	1.26	1.22
14	B3	1801	CLA	O2A-CGA	2.39	1.40	1.33
14	A3	818	CLA	C1D-ND	2.39	1.40	1.37
14	B5	1801	CLA	C1D-ND	2.39	1.40	1.37
14	F3	202	CLA	CHD-C1D	2.39	1.43	1.38
14	J1	101	CLA	C3D-C2D	2.39	1.45	1.39
14	L1	207	CLA	MG-NC	2.39	2.12	2.06
14	F2	204	CLA	MG-NC	2.39	2.12	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B5	1834	CLA	C1D-ND	2.39	1.40	1.37
14	B3	1824	CLA	C3C-C2C	2.39	1.41	1.36
14	B6	825	CLA	O2A-CGA	2.39	1.40	1.33
14	A4	827	CLA	MG-NA	2.39	2.12	2.06
14	A2	1635	CLA	CHD-C1D	2.39	1.43	1.38
14	B3	1821	CLA	O2A-CGA	2.39	1.40	1.33
14	B4	807	CLA	O2A-CGA	2.39	1.40	1.33
14	B2	819	CLA	CHD-C1D	2.39	1.43	1.38
14	B3	1834	CLA	CHD-C1D	2.39	1.43	1.38
14	A4	808	CLA	O2D-CGD	2.39	1.39	1.33
14	A5	830	CLA	CHD-C1D	2.39	1.43	1.38
14	A6	1606	CLA	OBD-CAD	2.39	1.26	1.22
14	B5	1830	CLA	OBD-CAD	2.39	1.26	1.22
14	A1	816	CLA	C1D-ND	2.39	1.40	1.37
14	A1	823	CLA	C1D-ND	2.39	1.40	1.37
14	B6	832	CLA	C1D-ND	2.39	1.40	1.37
14	A3	802	CLA	C3C-C2C	2.39	1.41	1.36
14	B1	804	CLA	CHD-C1D	2.39	1.43	1.38
14	A3	816	CLA	O2A-CGA	2.39	1.40	1.33
14	B1	801	CLA	C3C-C2C	2.39	1.41	1.36
14	J3	101	CLA	MG-NC	2.39	2.11	2.06
14	B2	803	CLA	O2D-CGD	2.39	1.39	1.33
14	A2	1612	CLA	CHD-C1D	2.39	1.43	1.38
14	B6	835	CLA	CHD-C1D	2.39	1.43	1.38
14	A4	812	CLA	CHD-C1D	2.39	1.43	1.38
14	B4	814	CLA	OBD-CAD	2.39	1.26	1.22
14	A3	811	CLA	MG-NC	2.39	2.11	2.06
14	B2	834	CLA	C3C-C2C	2.39	1.41	1.36
14	B6	803	CLA	OBD-CAD	2.39	1.26	1.22
14	A2	1607	CLA	CHD-C1D	2.39	1.43	1.38
14	A5	819	CLA	C1D-ND	2.39	1.40	1.37
14	A4	818	CLA	O2A-CGA	2.39	1.40	1.33
14	A1	832	CLA	O2A-CGA	2.39	1.40	1.33
14	B2	824	CLA	OBD-CAD	2.39	1.26	1.22
14	A4	829	CLA	O2D-CGD	2.39	1.39	1.33
14	A3	824	CLA	C1D-ND	2.39	1.40	1.37
14	B3	1819	CLA	C1D-ND	2.39	1.40	1.37
14	B5	1801	CLA	O2A-CGA	2.39	1.40	1.33
14	L5	206	CLA	O2A-CGA	2.39	1.40	1.33
14	A3	824	CLA	O2D-CGD	2.39	1.39	1.33
14	A3	810	CLA	CHD-C1D	2.39	1.43	1.38
14	A4	806	CLA	MG-NC	2.39	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A1	834	CLA	C3D-C4D	-2.39	1.38	1.44
14	A4	835	CLA	O2D-CGD	2.39	1.39	1.33
14	B6	802	CLA	C3C-C2C	2.39	1.41	1.36
14	B2	837	CLA	MG-NA	2.39	2.11	2.06
14	A4	829	CLA	MG-NC	2.39	2.11	2.06
14	X3	102	CLA	CHD-C1D	2.39	1.43	1.38
14	B4	825	CLA	OBD-CAD	2.39	1.26	1.22
14	A3	830	CLA	O2D-CGD	2.39	1.39	1.33
14	B3	1829	CLA	O2D-CGD	2.39	1.39	1.33
14	A6	1622	CLA	C3C-C2C	2.39	1.41	1.36
14	A6	1651	CLA	C1C-C2C	2.38	1.49	1.44
14	A6	1606	CLA	MG-NA	2.38	2.11	2.06
14	B5	1842	CLA	MG-NC	2.38	2.11	2.06
14	B4	821	CLA	O2A-CGA	2.38	1.40	1.33
14	B1	836	CLA	C3C-C2C	2.38	1.41	1.36
14	B6	830	CLA	C4B-NB	2.38	1.37	1.35
14	A3	837	CLA	MG-NA	2.38	2.11	2.06
14	B4	820	CLA	MG-NA	2.38	2.11	2.06
14	B3	1810	CLA	O2D-CGD	2.38	1.39	1.33
14	B4	828	CLA	MG-NA	2.38	2.11	2.06
14	B6	809	CLA	CHD-C1D	2.38	1.43	1.38
14	A4	806	CLA	OBD-CAD	2.38	1.26	1.22
14	J4	102	CLA	C3C-C2C	2.38	1.41	1.36
14	A4	839	CLA	MG-NC	2.38	2.11	2.06
14	J1	102	CLA	C1D-ND	2.38	1.40	1.37
14	A2	1626	CLA	C1D-ND	2.38	1.40	1.37
14	B4	817	CLA	O2D-CGD	2.38	1.39	1.33
14	B6	835	CLA	C3C-C2C	2.38	1.41	1.36
14	B6	817	CLA	MG-NA	2.38	2.11	2.06
14	B1	805	CLA	C1C-C2C	2.38	1.49	1.44
14	A4	815	CLA	O2A-CGA	2.38	1.40	1.33
14	B1	821	CLA	CHD-C1D	2.38	1.43	1.38
14	B1	838	CLA	O2D-CGD	2.38	1.39	1.33
14	L1	206	CLA	O2D-CGD	2.38	1.39	1.33
14	B6	822	CLA	C3C-C2C	2.38	1.41	1.36
14	A6	1628	CLA	MG-NA	2.38	2.11	2.06
14	B6	817	CLA	C1D-ND	2.38	1.40	1.37
14	A5	839	CLA	MG-NA	2.38	2.11	2.06
14	L1	206	CLA	CHD-C4C	2.38	1.44	1.39
14	A2	1625	CLA	OBD-CAD	2.38	1.26	1.22
14	A2	1622	CLA	O2D-CGD	2.38	1.39	1.33
14	A1	813	CLA	C3C-C2C	2.38	1.41	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B1	837	CLA	CHD-C1D	2.38	1.43	1.38
14	A5	805	CLA	CHD-C1D	2.38	1.43	1.38
14	L2	205	CLA	MG-NC	2.38	2.11	2.06
14	B3	1842	CLA	MG-NC	2.38	2.11	2.06
14	X1	1701	CLA	C1D-ND	2.38	1.40	1.37
14	X6	1701	CLA	C1D-ND	2.38	1.40	1.37
14	X3	102	CLA	O2D-CGD	2.38	1.39	1.33
14	B1	826	CLA	O2A-CGA	2.38	1.40	1.33
14	A2	1636	CLA	C4B-NB	2.38	1.37	1.35
14	A3	805	CLA	C4B-NB	2.38	1.37	1.35
14	B6	817	CLA	CHD-C1D	2.38	1.43	1.38
14	K5	101	CLA	CHD-C1D	2.38	1.43	1.38
14	A3	804	CLA	C1D-ND	2.38	1.40	1.37
14	B6	819	CLA	O2D-CGD	2.38	1.39	1.33
14	B5	1839	CLA	O2D-CGD	2.38	1.39	1.33
14	B1	820	CLA	C3C-C2C	2.38	1.41	1.36
14	B4	829	CLA	MG-NA	2.38	2.11	2.06
14	X6	1701	CLA	O2D-CGD	2.38	1.39	1.33
14	B2	824	CLA	O2A-CGA	2.38	1.40	1.33
14	A1	805	CLA	O2A-CGA	2.38	1.40	1.33
14	A6	1624	CLA	C1D-ND	2.38	1.40	1.37
14	A3	840	CLA	OBD-CAD	2.38	1.26	1.22
14	A6	1605	CLA	C4B-NB	2.38	1.37	1.35
14	B2	808	CLA	MG-NC	2.38	2.11	2.06
14	A5	840	CLA	MG-NC	2.38	2.11	2.06
14	A3	813	CLA	O2A-CGA	2.38	1.40	1.33
14	A6	1618	CLA	C1D-ND	2.38	1.40	1.37
14	A2	1638	CLA	MG-NC	2.38	2.11	2.06
14	A2	1621	CLA	O2A-CGA	2.37	1.40	1.33
14	B1	839	CLA	OBD-CAD	2.37	1.26	1.22
14	B4	820	CLA	C4B-NB	2.37	1.37	1.35
14	A5	840	CLA	C4B-NB	2.37	1.37	1.35
14	A6	1601	CLA	C3C-C2C	2.37	1.41	1.36
14	B3	1838	CLA	C1D-ND	2.37	1.40	1.37
14	B2	803	CLA	C1C-C2C	2.37	1.49	1.44
14	A2	1617	CLA	C1D-ND	2.37	1.40	1.37
14	B5	1829	CLA	C1D-ND	2.37	1.40	1.37
14	A4	809	CLA	C3C-C2C	2.37	1.41	1.36
14	B1	820	CLA	O2A-CGA	2.37	1.40	1.33
14	B2	818	CLA	O2A-CGA	2.37	1.40	1.33
14	A5	818	CLA	C1D-ND	2.37	1.40	1.37
14	B1	836	CLA	CHD-C1D	2.37	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	F6	202	CLA	CHD-C1D	2.37	1.43	1.38
14	A4	808	CLA	CHD-C1D	2.37	1.43	1.38
14	A5	822	CLA	C3C-C2C	2.37	1.41	1.36
14	A5	830	CLA	C3C-C2C	2.37	1.41	1.36
14	A2	1621	CLA	C4B-NB	2.37	1.37	1.35
14	A6	1624	CLA	C3C-C2C	2.37	1.41	1.36
14	A3	836	CLA	CHD-C1D	2.37	1.43	1.38
14	B2	801	CLA	O2D-CGD	2.37	1.39	1.33
14	A3	809	CLA	CHD-C1D	2.37	1.43	1.38
14	B6	804	CLA	CHD-C1D	2.37	1.43	1.38
14	A6	1629	CLA	MG-NC	2.37	2.11	2.06
14	A4	818	CLA	C1D-ND	2.37	1.40	1.37
14	B4	852	CLA	C1D-ND	2.37	1.40	1.37
14	B6	832	CLA	O2D-CGD	2.37	1.39	1.33
14	A6	1608	CLA	OBD-CAD	2.37	1.26	1.22
14	B1	831	CLA	C4B-NB	2.37	1.37	1.35
14	A6	1608	CLA	C4B-NB	2.37	1.37	1.35
14	A3	821	CLA	C3C-C2C	2.37	1.41	1.36
14	A6	1637	CLA	O2A-CGA	2.37	1.40	1.33
14	B4	803	CLA	MG-NA	2.37	2.11	2.06
14	B5	1811	CLA	MG-NC	2.37	2.11	2.06
14	B3	1823	CLA	C3C-C2C	2.37	1.41	1.36
14	B4	803	CLA	O2A-CGA	2.37	1.40	1.33
14	B2	840	CLA	O2A-CGA	2.37	1.40	1.33
14	B1	815	CLA	MG-NC	2.37	2.11	2.06
14	A5	839	CLA	C3C-C2C	2.37	1.41	1.36
14	L4	201	CLA	O2A-CGA	2.37	1.40	1.33
14	A6	1605	CLA	CHD-C1D	2.37	1.43	1.38
14	B5	1821	CLA	O2A-CGA	2.37	1.40	1.33
14	L3	204	CLA	O2D-CGD	2.37	1.39	1.33
14	B3	1837	CLA	CHD-C1D	2.37	1.43	1.38
14	A3	841	CLA	C4B-NB	2.37	1.37	1.35
14	A5	803	CLA	CHD-C1D	2.36	1.43	1.38
14	J1	102	CLA	C3D-C2D	2.36	1.45	1.39
14	A2	1639	CLA	O2A-CGA	2.36	1.40	1.33
14	A4	808	CLA	O2A-CGA	2.36	1.40	1.33
14	B4	809	CLA	C3C-C2C	2.36	1.41	1.36
14	A1	835	CLA	O2A-CGA	2.36	1.40	1.33
14	A3	838	CLA	O2A-CGA	2.36	1.40	1.33
14	B2	834	CLA	OBD-CAD	2.36	1.26	1.22
14	B3	1807	CLA	MG-NA	2.36	2.11	2.06
14	A6	1604	CLA	C4B-NB	2.36	1.37	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B6	841	CLA	O2A-CGA	2.36	1.40	1.33
14	L3	202	CLA	CHD-C1D	2.36	1.43	1.38
14	B5	1825	CLA	OBD-CAD	2.36	1.26	1.22
14	B5	1843	CLA	O2A-CGA	2.36	1.40	1.33
14	A2	1627	CLA	C3C-C2C	2.36	1.41	1.36
14	L3	204	CLA	CHD-C4C	2.36	1.44	1.39
14	A2	1624	CLA	C3C-C2C	2.36	1.41	1.36
14	B3	1819	CLA	C3C-C2C	2.36	1.41	1.36
14	A5	820	CLA	OBD-CAD	2.36	1.26	1.22
14	B1	835	CLA	MG-NA	2.36	2.11	2.06
14	B1	802	CLA	C1D-ND	2.36	1.40	1.37
14	B1	835	CLA	C1D-ND	2.36	1.40	1.37
14	B3	1807	CLA	O2A-CGA	2.36	1.40	1.33
14	A5	835	CLA	OBD-CAD	2.36	1.26	1.22
14	A5	823	CLA	OBD-CAD	2.36	1.26	1.22
14	A5	804	CLA	CHD-C1D	2.36	1.43	1.38
14	J3	102	CLA	MG-NC	2.36	2.11	2.06
14	F2	204	CLA	C3C-C2C	2.36	1.41	1.36
14	A3	803	CLA	O2A-CGA	2.36	1.40	1.33
14	A2	1637	CLA	OBD-CAD	2.36	1.26	1.22
14	B1	836	CLA	C1D-ND	2.36	1.40	1.37
14	F2	204	CLA	C1D-ND	2.36	1.40	1.37
14	A3	834	CLA	C4B-NB	2.36	1.37	1.35
14	B3	1817	CLA	MG-NC	2.36	2.11	2.06
14	B3	1810	CLA	O2A-CGA	2.36	1.40	1.33
14	F4	202	CLA	C1D-ND	2.36	1.40	1.37
14	X2	1701	CLA	O2D-CGD	2.36	1.39	1.33
14	B5	1843	CLA	O2D-CGD	2.36	1.39	1.33
14	A4	804	CLA	C3C-C2C	2.36	1.41	1.36
14	B5	1828	CLA	MG-NC	2.36	2.11	2.06
14	A5	805	CLA	C4B-NB	2.36	1.37	1.35
14	M3	1601	CLA	MG-NC	2.36	2.11	2.06
14	A5	811	CLA	MG-NC	2.36	2.11	2.06
14	M3	1601	CLA	CHD-C1D	2.36	1.43	1.38
14	B2	832	CLA	MG-NC	2.36	2.11	2.06
14	L3	205	CLA	MG-NC	2.36	2.11	2.06
14	B2	805	CLA	MG-NA	2.35	2.11	2.06
14	L3	204	CLA	CHD-C1D	2.35	1.43	1.38
14	A4	812	CLA	O2A-CGA	2.35	1.40	1.33
14	A5	829	CLA	MG-NC	2.35	2.11	2.06
14	A1	808	CLA	O2A-CGA	2.35	1.40	1.33
14	A1	829	CLA	MG-NC	2.35	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A4	836	CLA	O2A-CGA	2.35	1.40	1.33
14	A2	1623	CLA	O2A-CGA	2.35	1.40	1.33
14	A3	819	CLA	O2A-CGA	2.35	1.40	1.33
14	B3	1832	CLA	OBD-CAD	2.35	1.26	1.22
14	L2	206	CLA	OBD-CAD	2.35	1.26	1.22
14	A4	803	CLA	CHD-C1D	2.35	1.43	1.38
14	A3	813	CLA	MG-NA	2.35	2.11	2.06
14	A6	1620	CLA	O2D-CGD	2.35	1.38	1.33
14	B1	804	CLA	C1B-NB	2.35	1.37	1.35
14	A1	802	CLA	MG-NA	2.35	2.11	2.06
14	B2	816	CLA	C3C-C2C	2.35	1.41	1.36
14	A3	807	CLA	OBD-CAD	2.35	1.26	1.22
14	B4	827	CLA	OBD-CAD	2.35	1.26	1.22
14	B1	824	CLA	CHD-C1D	2.35	1.42	1.38
14	A4	853	CLA	MG-NC	2.35	2.11	2.06
14	A2	1609	CLA	OBD-CAD	2.35	1.26	1.22
14	B5	1837	CLA	CHD-C1D	2.35	1.42	1.38
14	B2	809	CLA	C1D-ND	2.35	1.40	1.37
14	A5	824	CLA	C1D-ND	2.35	1.40	1.37
14	L6	208	CLA	MG-NC	2.35	2.11	2.06
14	A3	806	CLA	C4B-NB	2.35	1.37	1.35
14	B6	812	CLA	C3C-C2C	2.35	1.41	1.36
14	A5	812	CLA	C1D-ND	2.35	1.40	1.37
14	J1	102	CLA	C3C-C2C	2.35	1.41	1.36
14	B6	814	CLA	C3C-C2C	2.35	1.41	1.36
14	A4	831	CLA	CHD-C1D	2.35	1.42	1.38
14	B5	1814	CLA	C3C-C2C	2.35	1.41	1.36
14	A4	828	CLA	MG-NC	2.35	2.11	2.06
14	B1	830	CLA	CHD-C1D	2.35	1.42	1.38
14	B5	1836	CLA	O2D-CGD	2.35	1.38	1.33
14	B1	805	CLA	O2A-CGA	2.35	1.40	1.33
14	B6	814	CLA	MG-NC	2.35	2.11	2.06
14	B4	808	CLA	C3C-C2C	2.35	1.41	1.36
14	B6	826	CLA	O2A-CGA	2.35	1.40	1.33
14	A5	824	CLA	C3C-C2C	2.35	1.41	1.36
14	A1	815	CLA	CHD-C1D	2.35	1.42	1.38
14	B5	1815	CLA	MG-NC	2.35	2.11	2.06
14	B2	837	CLA	C1D-ND	2.35	1.40	1.37
14	B2	819	CLA	C3C-C2C	2.35	1.41	1.36
14	A3	836	CLA	OBD-CAD	2.35	1.26	1.22
14	A4	819	CLA	OBD-CAD	2.35	1.26	1.22
14	B5	1808	CLA	MG-NA	2.35	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A2	1618	CLA	O2A-CGA	2.35	1.40	1.33
14	B6	817	CLA	OBD-CAD	2.35	1.26	1.22
14	B6	836	CLA	C1D-ND	2.35	1.40	1.37
14	B4	830	CLA	OBD-CAD	2.34	1.26	1.22
14	B3	1839	CLA	C3D-C2D	2.34	1.45	1.39
14	B4	803	CLA	C1C-C2C	2.34	1.49	1.44
14	A3	804	CLA	CHD-C1D	2.34	1.42	1.38
14	B6	828	CLA	OBD-CAD	2.34	1.26	1.22
14	B4	801	CLA	C3D-C2D	2.34	1.45	1.39
14	A2	1613	CLA	MG-NC	2.34	2.11	2.06
14	L5	202	CLA	CHD-C1D	2.34	1.42	1.38
14	A1	829	CLA	C3C-C2C	2.34	1.41	1.36
14	A6	1634	CLA	O2A-CGA	2.34	1.40	1.33
14	B2	826	CLA	O2D-CGD	2.34	1.38	1.33
14	A2	1614	CLA	C1D-ND	2.34	1.40	1.37
14	A2	1627	CLA	OBD-CAD	2.34	1.26	1.22
14	B2	821	CLA	C3C-C2C	2.34	1.41	1.36
17	A3	853	LHG	P-O6	2.34	1.68	1.59
14	A2	1623	CLA	C3C-C2C	2.34	1.41	1.36
14	J1	102	CLA	MG-NC	2.34	2.11	2.06
14	B3	1822	CLA	MG-NC	2.34	2.11	2.06
14	B6	833	CLA	MG-NC	2.34	2.11	2.06
14	B4	836	CLA	C1D-ND	2.34	1.40	1.37
14	L2	207	CLA	O2A-CGA	2.34	1.40	1.33
14	B4	804	CLA	C3D-C2D	2.34	1.45	1.39
14	A6	1612	CLA	OBD-CAD	2.34	1.26	1.22
14	B5	1810	CLA	O2A-CGA	2.34	1.40	1.33
14	A2	1638	CLA	O2D-CGD	2.34	1.38	1.33
14	A1	824	CLA	OBD-CAD	2.34	1.26	1.22
14	A5	809	CLA	CHD-C1D	2.34	1.42	1.38
14	B4	822	CLA	OBD-CAD	2.34	1.26	1.22
14	A4	806	CLA	C1D-ND	2.34	1.40	1.37
14	A6	1630	CLA	MG-NC	2.34	2.11	2.06
14	A3	824	CLA	C3C-C2C	2.34	1.41	1.36
14	B3	1834	CLA	O2D-CGD	2.34	1.38	1.33
14	L5	205	CLA	CHD-C4C	2.34	1.44	1.39
14	A4	820	CLA	C4B-NB	2.34	1.37	1.35
14	B5	1813	CLA	OBD-CAD	2.34	1.26	1.22
14	B1	818	CLA	MG-NC	2.34	2.11	2.06
14	B3	1836	CLA	MG-NA	2.34	2.11	2.06
14	A2	1604	CLA	OBD-CAD	2.34	1.26	1.22
14	A4	838	CLA	OBD-CAD	2.34	1.26	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A3	820	CLA	C3C-C2C	2.34	1.41	1.36
14	F3	202	CLA	C1D-ND	2.34	1.40	1.37
14	B6	829	CLA	CHD-C1D	2.34	1.42	1.38
14	B1	833	CLA	O2D-CGD	2.34	1.38	1.33
14	A6	1615	CLA	C3C-C2C	2.34	1.41	1.36
14	L2	206	CLA	CHD-C4C	2.34	1.44	1.39
14	B5	1834	CLA	O2D-CGD	2.34	1.38	1.33
14	A5	815	CLA	C3C-C2C	2.34	1.41	1.36
14	B1	833	CLA	O2A-CGA	2.34	1.40	1.33
14	B1	830	CLA	C1D-ND	2.34	1.40	1.37
14	A3	807	CLA	C1D-ND	2.34	1.40	1.37
14	B5	1823	CLA	MG-NC	2.34	2.11	2.06
14	M3	1601	CLA	C3C-C2C	2.34	1.41	1.36
16	B1	844	BCR	C8-C9	2.34	1.51	1.45
14	B4	834	CLA	MG-NA	2.34	2.11	2.06
14	B4	825	CLA	C3C-C2C	2.34	1.41	1.36
14	A2	1601	CLA	CHD-C1D	2.34	1.42	1.38
14	L3	205	CLA	O2A-CGA	2.34	1.40	1.33
14	A5	819	CLA	O2A-CGA	2.34	1.40	1.33
14	A6	1611	CLA	C1D-ND	2.33	1.40	1.37
14	B1	801	CLA	C3D-C2D	2.33	1.45	1.39
15	A6	1642	PQN	C16-C15	-2.33	1.43	1.52
14	A1	837	CLA	C4B-NB	2.33	1.37	1.35
14	L1	201	CLA	CHD-C1D	2.33	1.42	1.38
14	A5	813	CLA	O2A-CGA	2.33	1.40	1.33
14	B1	833	CLA	CHD-C1D	2.33	1.42	1.38
14	A3	830	CLA	C3C-C2C	2.33	1.41	1.36
14	B4	837	CLA	C3C-C2C	2.33	1.41	1.36
14	B2	813	CLA	C1D-ND	2.33	1.40	1.37
14	B2	828	CLA	C1D-ND	2.33	1.40	1.37
14	B3	1827	CLA	C1D-ND	2.33	1.40	1.37
14	B4	810	CLA	O2A-CGA	2.33	1.40	1.33
14	A2	1612	CLA	OBD-CAD	2.33	1.26	1.22
14	B3	1816	CLA	OBD-CAD	2.33	1.26	1.22
14	B5	1818	CLA	OBD-CAD	2.33	1.26	1.22
14	A3	802	CLA	C3D-C2D	2.33	1.45	1.39
14	B5	1804	CLA	C3C-C2C	2.33	1.41	1.36
14	B3	1837	CLA	OBD-CAD	2.33	1.26	1.22
14	A4	833	CLA	O2A-CGA	2.33	1.40	1.33
14	A6	1614	CLA	C3C-C2C	2.33	1.41	1.36
14	A6	1635	CLA	OBD-CAD	2.33	1.26	1.22
14	B6	834	CLA	O2D-CGD	2.33	1.38	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B6	840	CLA	C3C-C2C	2.33	1.41	1.36
14	A6	1601	CLA	CHD-C1D	2.33	1.42	1.38
14	B3	1812	CLA	O2D-CGD	2.33	1.38	1.33
14	A4	825	CLA	O2A-CGA	2.33	1.40	1.33
14	A5	834	CLA	O2A-CGA	2.33	1.40	1.33
14	A2	1632	CLA	MG-NC	2.33	2.11	2.06
14	A5	825	CLA	OBD-CAD	2.33	1.26	1.22
14	B5	1821	CLA	CHD-C1D	2.33	1.42	1.38
14	B5	1804	CLA	C3D-C2D	2.33	1.45	1.39
14	B1	803	CLA	MG-NA	2.33	2.11	2.06
14	A6	1601	CLA	MG-NC	2.33	2.11	2.06
14	B6	833	CLA	C1D-ND	2.33	1.40	1.37
14	L1	205	CLA	MG-NC	2.33	2.11	2.06
14	A6	1616	CLA	O2A-CGA	2.33	1.40	1.33
14	A3	841	CLA	OBD-CAD	2.33	1.26	1.22
14	B4	839	CLA	OBD-CAD	2.33	1.26	1.22
14	B6	806	CLA	O2A-CGA	2.33	1.40	1.33
14	A1	812	CLA	O2A-CGA	2.33	1.40	1.33
14	B6	836	CLA	CHD-C1D	2.33	1.42	1.38
14	L6	206	CLA	MG-NC	2.33	2.11	2.06
14	A4	822	CLA	OBD-CAD	2.33	1.26	1.22
14	B3	1814	CLA	C3C-C2C	2.33	1.41	1.36
14	A6	1616	CLA	CHD-C1D	2.33	1.42	1.38
14	B1	841	CLA	O2D-CGD	2.33	1.38	1.33
14	X5	101	CLA	OBD-CAD	2.33	1.26	1.22
14	B2	811	CLA	C3C-C2C	2.33	1.41	1.36
14	A4	813	CLA	C3C-C2C	2.33	1.41	1.36
14	J6	1103	CLA	C3D-C2D	2.33	1.45	1.39
14	L5	205	CLA	CHD-C1D	2.33	1.42	1.38
16	B3	1846	BCR	C8-C9	2.33	1.50	1.45
14	L1	207	CLA	O2A-CGA	2.33	1.40	1.33
14	A1	817	CLA	C1D-ND	2.33	1.40	1.37
14	B4	843	CLA	O2D-CGD	2.33	1.38	1.33
14	A2	1615	CLA	C4B-NB	2.33	1.37	1.35
14	B4	833	CLA	C3C-C2C	2.32	1.41	1.36
14	B6	821	CLA	OBD-CAD	2.32	1.26	1.22
14	B1	834	CLA	C3C-C2C	2.32	1.41	1.36
14	A2	1642	CLA	MG-NC	2.32	2.11	2.06
14	A2	1611	CLA	O2A-CGA	2.32	1.40	1.33
14	B3	1804	CLA	C3D-C2D	2.32	1.45	1.39
14	B3	1828	CLA	C3B-C2B	2.32	1.43	1.40
14	A4	853	CLA	CHD-C1D	2.32	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B1	841	CLA	OBD-CAD	2.32	1.26	1.22
14	B1	806	CLA	O2D-CGD	2.32	1.38	1.33
15	A4	843	PQN	C16-C15	-2.32	1.43	1.52
14	A4	820	CLA	C3C-C2C	2.32	1.41	1.36
14	B5	1805	CLA	O2D-CGD	2.32	1.38	1.33
14	A1	809	CLA	OBD-CAD	2.32	1.26	1.22
14	B4	824	CLA	OBD-CAD	2.32	1.26	1.22
14	A6	1630	CLA	O2D-CGD	2.32	1.38	1.33
14	A1	840	CLA	C3D-C2D	2.32	1.45	1.39
16	A2	1648	BCR	C30-C25	2.32	1.56	1.53
14	B4	805	CLA	O2D-CGD	2.32	1.38	1.33
14	B4	835	CLA	MG-NC	2.32	2.11	2.06
14	A4	838	CLA	O2A-CGA	2.32	1.40	1.33
14	B6	841	CLA	O2D-CGD	2.32	1.38	1.33
14	A3	837	CLA	MG-NC	2.32	2.11	2.06
14	A5	811	CLA	C1D-ND	2.32	1.40	1.37
14	A2	1622	CLA	OBD-CAD	2.32	1.26	1.22
14	B3	1840	CLA	OBD-CAD	2.32	1.26	1.22
16	F4	204	BCR	C1-C6	2.32	1.56	1.53
14	B2	831	CLA	CHD-C1D	2.32	1.42	1.38
14	A6	1627	CLA	CHD-C1D	2.32	1.42	1.38
14	B1	835	CLA	O2D-CGD	2.32	1.38	1.33
14	A3	820	CLA	C4B-NB	2.32	1.37	1.35
14	L4	204	CLA	C3C-C2C	2.32	1.41	1.36
14	B4	809	CLA	C3D-C2D	2.32	1.45	1.39
14	B1	854	CLA	O2D-CGD	2.32	1.38	1.33
14	J5	102	CLA	C3D-C2D	2.32	1.45	1.39
14	A3	845	CLA	C1D-ND	2.32	1.40	1.37
14	A5	817	CLA	C1D-ND	2.32	1.40	1.37
14	B2	833	CLA	O2D-CGD	2.32	1.38	1.33
14	A3	825	CLA	C3C-C2C	2.32	1.41	1.36
14	A6	1625	CLA	C3C-C2C	2.32	1.41	1.36
14	A6	1616	CLA	C1D-ND	2.32	1.40	1.37
16	A5	847	BCR	C1-C6	2.32	1.56	1.53
14	A4	812	CLA	OBD-CAD	2.32	1.26	1.22
14	A3	822	CLA	CHD-C4C	2.32	1.44	1.39
17	A6	1649	LHG	P-O6	2.32	1.68	1.59
14	B3	1809	CLA	OBD-CAD	2.32	1.26	1.22
14	A4	825	CLA	C3C-C2C	2.32	1.41	1.36
14	A4	829	CLA	C3C-C2C	2.32	1.41	1.36
14	B4	840	CLA	MG-NA	2.32	2.11	2.06
17	X3	101	LHG	O8-C23	2.32	1.44	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B1	804	CLA	MG-NC	2.32	2.11	2.06
14	B4	822	CLA	MG-NC	2.32	2.11	2.06
17	B2	849	LHG	O8-C23	2.31	1.44	1.33
14	B6	821	CLA	MG-NC	2.31	2.11	2.06
14	L5	205	CLA	O2D-CGD	2.31	1.38	1.33
14	B3	1818	CLA	OBD-CAD	2.31	1.26	1.22
14	B4	834	CLA	CHD-C1D	2.31	1.42	1.38
16	B1	845	BCR	C1-C6	2.31	1.56	1.53
14	B2	827	CLA	OBD-CAD	2.31	1.26	1.22
14	A1	808	CLA	O2D-CGD	2.31	1.38	1.33
14	A1	822	CLA	C3C-C2C	2.31	1.41	1.36
14	L4	204	CLA	CHD-C4C	2.31	1.44	1.39
15	A5	844	PQN	C16-C15	-2.31	1.43	1.52
14	J6	1103	CLA	C3C-C2C	2.31	1.41	1.36
14	A6	1622	CLA	CHD-C4C	2.31	1.44	1.39
14	B5	1803	CLA	CHD-C1D	2.31	1.42	1.38
14	A3	817	CLA	OBD-CAD	2.31	1.26	1.22
16	M1	1202	BCR	C1-C6	2.31	1.56	1.53
14	B6	819	CLA	MG-NC	2.31	2.11	2.06
14	B5	1807	CLA	O2A-CGA	2.31	1.40	1.33
14	B2	816	CLA	C1D-ND	2.31	1.40	1.37
14	A2	1615	CLA	MG-NA	2.31	2.11	2.06
14	L4	205	CLA	O2A-CGA	2.31	1.40	1.33
14	B2	816	CLA	CHD-C1D	2.31	1.42	1.38
15	A2	1646	PQN	C16-C15	-2.31	1.43	1.52
14	X3	102	CLA	C1D-ND	2.31	1.40	1.37
14	A4	834	CLA	C1D-ND	2.31	1.40	1.37
14	A2	1632	CLA	O2D-CGD	2.31	1.38	1.33
14	A1	827	CLA	C3C-C2C	2.31	1.41	1.36
14	A5	813	CLA	OBD-CAD	2.31	1.26	1.22
14	B1	819	CLA	MG-NA	2.31	2.11	2.06
14	A1	825	CLA	C3C-C2C	2.31	1.41	1.36
14	A3	815	CLA	C3C-C2C	2.31	1.41	1.36
14	J6	1101	CLA	CHD-C1D	2.31	1.42	1.38
14	B1	808	CLA	C3C-C2C	2.31	1.41	1.36
14	B2	808	CLA	C1D-ND	2.31	1.40	1.37
14	B4	801	CLA	C1D-ND	2.31	1.40	1.37
14	A2	1610	CLA	MG-NA	2.31	2.11	2.06
14	L4	203	CLA	MG-NC	2.31	2.11	2.06
14	B5	1804	CLA	O2A-CGA	2.31	1.40	1.33
14	A1	802	CLA	OBD-CAD	2.31	1.26	1.22
14	B2	808	CLA	CHD-C1D	2.31	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B3	1811	CLA	CHD-C1D	2.31	1.42	1.38
14	B6	802	CLA	O2A-CGA	2.31	1.40	1.33
14	B1	806	CLA	C1C-C2C	2.31	1.49	1.44
14	A4	815	CLA	CHD-C1D	2.31	1.42	1.38
14	B3	1843	CLA	O2D-CGD	2.31	1.38	1.33
14	B1	805	CLA	C3D-C2D	2.31	1.45	1.39
14	B4	802	CLA	C1D-ND	2.31	1.40	1.37
14	B3	1839	CLA	OBD-CAD	2.31	1.26	1.22
14	A2	1601	CLA	MG-NC	2.31	2.11	2.06
14	A4	816	CLA	MG-NC	2.31	2.11	2.06
14	A1	818	CLA	C3D-C2D	2.31	1.45	1.39
14	L3	202	CLA	MG-NC	2.31	2.11	2.06
14	A5	830	CLA	MG-NC	2.31	2.11	2.06
14	B4	840	CLA	OBD-CAD	2.31	1.26	1.22
14	B6	806	CLA	OBD-CAD	2.31	1.26	1.22
14	B2	813	CLA	C3C-C2C	2.31	1.41	1.36
14	B3	1830	CLA	OBD-CAD	2.31	1.26	1.22
16	A5	846	BCR	C30-C25	2.30	1.56	1.53
14	A2	1618	CLA	CHD-C1D	2.30	1.42	1.38
14	B3	1816	CLA	C3C-C2C	2.30	1.41	1.36
14	L6	207	CLA	C3C-C2C	2.30	1.41	1.36
14	B6	834	CLA	CHD-C4C	2.30	1.44	1.39
14	A2	1634	CLA	CHD-C1D	2.30	1.42	1.38
14	A4	823	CLA	O2A-CGA	2.30	1.40	1.33
14	F2	204	CLA	C3D-C2D	2.30	1.45	1.39
14	B2	830	CLA	MG-NA	2.30	2.11	2.06
14	B6	804	CLA	O2A-CGA	2.30	1.40	1.33
14	A4	827	CLA	CHD-C1D	2.30	1.42	1.38
14	B4	819	CLA	CHD-C1D	2.30	1.42	1.38
14	A3	835	CLA	O2A-CGA	2.30	1.40	1.33
14	B6	823	CLA	CHD-C1D	2.30	1.42	1.38
14	B4	804	CLA	O2A-CGA	2.30	1.40	1.33
14	B5	1816	CLA	MG-NC	2.30	2.11	2.06
14	L5	206	CLA	CHD-C1D	2.30	1.42	1.38
14	L4	204	CLA	O2D-CGD	2.30	1.38	1.33
14	B5	1838	CLA	C1D-ND	2.30	1.40	1.37
16	B5	1846	BCR	C8-C9	2.30	1.50	1.45
14	A6	1640	CLA	MG-NA	2.30	2.11	2.06
14	B2	830	CLA	C3C-C2C	2.30	1.41	1.36
14	B4	819	CLA	C3C-C2C	2.30	1.41	1.36
14	B5	1834	CLA	MG-NA	2.30	2.11	2.06
14	A3	825	CLA	OBD-CAD	2.30	1.26	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B3	1821	CLA	CHD-C1D	2.30	1.42	1.38
14	A6	1635	CLA	CHD-C1D	2.30	1.42	1.38
14	B5	1801	CLA	C3C-C2C	2.30	1.41	1.36
14	A5	813	CLA	MG-NA	2.30	2.11	2.06
14	B4	832	CLA	OBD-CAD	2.30	1.26	1.22
14	K4	1401	CLA	C3C-C2C	2.30	1.41	1.36
14	A4	811	CLA	C3D-C4D	-2.30	1.39	1.44
16	B4	845	BCR	C1-C6	2.30	1.56	1.53
14	B6	818	CLA	MG-NA	2.30	2.11	2.06
14	J5	102	CLA	C3C-C2C	2.30	1.41	1.36
14	B3	1808	CLA	MG-NA	2.30	2.11	2.06
14	B2	802	CLA	O2A-CGA	2.30	1.40	1.33
14	A5	821	CLA	C3C-C2C	2.30	1.41	1.36
14	B5	1820	CLA	MG-NA	2.30	2.11	2.06
14	B1	813	CLA	C3C-C2C	2.30	1.41	1.36
14	B3	1838	CLA	C3C-C2C	2.30	1.41	1.36
14	A6	1635	CLA	C1D-ND	2.30	1.40	1.37
14	B5	1827	CLA	O2A-CGA	2.30	1.40	1.33
14	A6	1613	CLA	OBD-CAD	2.30	1.26	1.22
14	A1	805	CLA	MG-NC	2.30	2.11	2.06
14	L5	202	CLA	C3C-C2C	2.30	1.41	1.36
14	L4	204	CLA	CHD-C1D	2.30	1.42	1.38
14	L2	206	CLA	C3C-C2C	2.30	1.41	1.36
14	B4	834	CLA	O2A-CGA	2.30	1.40	1.33
14	A3	835	CLA	C1D-ND	2.30	1.40	1.37
14	B6	831	CLA	MG-NA	2.30	2.11	2.06
16	A2	1649	BCR	C30-C25	2.30	1.56	1.53
14	B3	1834	CLA	O2A-CGA	2.30	1.40	1.33
14	B3	1808	CLA	C3C-C2C	2.30	1.41	1.36
14	A6	1621	CLA	C3C-C2C	2.30	1.41	1.36
14	B5	1803	CLA	OBD-CAD	2.30	1.26	1.22
15	A3	846	PQN	C16-C15	-2.30	1.43	1.52
14	L6	208	CLA	O2D-CGD	2.30	1.38	1.33
14	B5	1803	CLA	C1B-NB	2.30	1.37	1.35
14	B2	839	CLA	C3C-C2C	2.30	1.41	1.36
14	B6	810	CLA	O2D-CGD	2.30	1.38	1.33
14	B3	1843	CLA	OBD-CAD	2.30	1.26	1.22
14	A6	1609	CLA	CHD-C1D	2.30	1.42	1.38
14	B2	802	CLA	C3D-C2D	2.30	1.45	1.39
14	A5	832	CLA	CHD-C1D	2.30	1.42	1.38
14	A6	1636	CLA	MG-NC	2.30	2.11	2.06
14	A6	1639	CLA	MG-NC	2.30	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A2	1617	CLA	C3C-C2C	2.30	1.41	1.36
14	B6	807	CLA	MG-NA	2.30	2.11	2.06
14	B2	820	CLA	MG-NC	2.29	2.11	2.06
14	B3	1828	CLA	MG-NC	2.29	2.11	2.06
14	B5	1827	CLA	MG-NC	2.29	2.11	2.06
14	A3	817	CLA	C1D-ND	2.29	1.40	1.37
14	J4	102	CLA	C3D-C2D	2.29	1.45	1.39
14	B4	828	CLA	C3B-C2B	2.29	1.43	1.40
14	A3	809	CLA	O2A-CGA	2.29	1.40	1.33
14	L3	205	CLA	O2D-CGD	2.29	1.38	1.33
14	A3	839	CLA	O2A-CGA	2.29	1.40	1.33
14	B5	1826	CLA	C1C-C2C	2.29	1.49	1.44
14	A1	812	CLA	OBD-CAD	2.29	1.26	1.22
14	B2	815	CLA	OBD-CAD	2.29	1.26	1.22
14	A4	816	CLA	OBD-CAD	2.29	1.26	1.22
14	B3	1843	CLA	O2A-CGA	2.29	1.40	1.33
14	A6	1621	CLA	O2A-CGA	2.29	1.40	1.33
15	A1	841	PQN	C16-C15	-2.29	1.43	1.52
14	B4	804	CLA	O2D-CGD	2.29	1.38	1.33
17	X5	102	LHG	O8-C23	2.29	1.44	1.33
14	I1	101	CLA	O2D-CGD	2.29	1.38	1.33
14	B4	821	CLA	CHD-C1D	2.29	1.42	1.38
14	A5	839	CLA	O2A-CGA	2.29	1.40	1.33
14	B1	812	CLA	OBD-CAD	2.29	1.26	1.22
14	B5	1814	CLA	OBD-CAD	2.29	1.26	1.22
14	B6	837	CLA	O2D-CGD	2.29	1.38	1.33
17	B6	849	LHG	O8-C23	2.29	1.44	1.33
16	J5	105	BCR	C1-C6	2.29	1.56	1.53
14	B5	1834	CLA	CHD-C1D	2.29	1.42	1.38
14	B2	807	CLA	O2A-CGA	2.29	1.40	1.33
14	B4	843	CLA	O2A-CGA	2.29	1.40	1.33
14	B1	810	CLA	O2A-CGA	2.29	1.40	1.33
14	A4	810	CLA	C1D-ND	2.29	1.40	1.37
16	A4	848	BCR	C1-C6	2.29	1.56	1.53
14	A6	1651	CLA	C3C-C2C	2.29	1.41	1.36
14	J1	101	CLA	C1C-C2C	2.29	1.49	1.44
14	B3	1824	CLA	CHD-C1D	2.29	1.42	1.38
14	B4	826	CLA	C1C-C2C	2.29	1.49	1.44
14	A5	817	CLA	MG-NC	2.29	2.11	2.06
14	A5	802	CLA	C3D-C2D	2.29	1.45	1.39
14	A2	1644	CLA	O2D-CGD	2.29	1.38	1.33
14	B3	1836	CLA	O2D-CGD	2.29	1.38	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B1	811	CLA	CHD-C1D	2.29	1.42	1.38
14	B1	838	CLA	C3D-C2D	2.29	1.45	1.39
14	A3	810	CLA	C3C-C2C	2.29	1.41	1.36
14	B2	803	CLA	C4C-C3C	2.29	1.49	1.45
14	A3	835	CLA	OBD-CAD	2.29	1.26	1.22
14	B6	831	CLA	C3C-C2C	2.29	1.41	1.36
14	L2	206	CLA	CHD-C1D	2.29	1.42	1.38
14	A3	845	CLA	CHD-C1D	2.29	1.42	1.38
14	B4	838	CLA	CHD-C1D	2.29	1.42	1.38
14	A3	826	CLA	O2A-CGA	2.29	1.40	1.33
14	A4	808	CLA	C3C-C2C	2.29	1.41	1.36
14	A5	808	CLA	OBD-CAD	2.29	1.26	1.22
14	B2	840	CLA	O2D-CGD	2.29	1.38	1.33
14	A4	829	CLA	CHD-C1D	2.29	1.42	1.38
14	B5	1821	CLA	MG-NC	2.29	2.11	2.06
14	B5	1811	CLA	CHD-C1D	2.29	1.42	1.38
14	A5	834	CLA	MG-NC	2.29	2.11	2.06
14	K1	1401	CLA	C3C-C2C	2.29	1.41	1.36
14	B1	807	CLA	O2A-CGA	2.29	1.40	1.33
14	A5	816	CLA	O2A-CGA	2.29	1.40	1.33
14	A4	805	CLA	MG-NC	2.29	2.11	2.06
14	B2	828	CLA	CHD-C1D	2.29	1.42	1.38
14	L3	205	CLA	CHD-C1D	2.29	1.42	1.38
14	B4	821	CLA	MG-NC	2.29	2.11	2.06
14	A6	1636	CLA	O2D-CGD	2.29	1.38	1.33
14	A2	1612	CLA	C3C-C2C	2.29	1.41	1.36
14	A1	816	CLA	MG-NC	2.28	2.11	2.06
14	A5	839	CLA	C1D-ND	2.28	1.40	1.37
14	A3	822	CLA	C3C-C2C	2.28	1.41	1.36
14	A4	853	CLA	C3C-C2C	2.28	1.41	1.36
14	B4	804	CLA	C3C-C2C	2.28	1.41	1.36
14	B5	1833	CLA	C3C-C2C	2.28	1.41	1.36
14	L5	206	CLA	O2D-CGD	2.28	1.38	1.33
14	B2	833	CLA	C1D-ND	2.28	1.40	1.37
14	A1	819	CLA	OBD-CAD	2.28	1.26	1.22
14	B1	817	CLA	OBD-CAD	2.28	1.26	1.22
16	A1	847	BCR	C1-C6	2.28	1.56	1.53
14	A2	1611	CLA	CHD-C1D	2.28	1.42	1.38
14	B1	801	CLA	O2A-CGA	2.28	1.40	1.33
14	B4	828	CLA	MG-NC	2.28	2.11	2.06
14	B4	803	CLA	MG-NC	2.28	2.11	2.06
14	A2	1640	CLA	C3C-C2C	2.28	1.41	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	B6	844	BCR	C8-C9	2.28	1.50	1.45
14	A4	826	CLA	CHD-C1D	2.28	1.42	1.38
14	B6	825	CLA	C1D-ND	2.28	1.40	1.37
16	B5	1845	BCR	C1-C6	2.28	1.56	1.53
14	A4	824	CLA	OBD-CAD	2.28	1.26	1.22
14	B2	836	CLA	C3D-C2D	2.28	1.45	1.39
14	A1	808	CLA	C3C-C2C	2.28	1.41	1.36
16	A6	1648	BCR	C1-C6	2.28	1.56	1.53
14	A1	833	CLA	CHD-C1D	2.28	1.42	1.38
14	A1	831	CLA	C3C-C2C	2.28	1.41	1.36
14	L3	202	CLA	C3C-C2C	2.28	1.41	1.36
14	B3	1805	CLA	C1C-C2C	2.28	1.49	1.44
14	B2	804	CLA	O2A-CGA	2.28	1.40	1.33
14	L1	201	CLA	C3C-C2C	2.28	1.41	1.36
14	B3	1803	CLA	O2A-CGA	2.28	1.40	1.33
14	A2	1628	CLA	C3C-C2C	2.28	1.41	1.36
14	B5	1828	CLA	O2A-CGA	2.28	1.40	1.33
14	B1	805	CLA	C3C-C2C	2.28	1.41	1.36
14	A5	809	CLA	O2A-CGA	2.28	1.40	1.33
14	A5	835	CLA	CHD-C1D	2.28	1.42	1.38
14	A4	807	CLA	OBD-CAD	2.28	1.26	1.22
14	B2	839	CLA	O2D-CGD	2.28	1.38	1.33
14	A1	820	CLA	C3C-C2C	2.28	1.41	1.36
14	A2	1607	CLA	C3C-C2C	2.28	1.41	1.36
14	L3	204	CLA	C3C-C2C	2.28	1.41	1.36
16	B2	843	BCR	C8-C9	2.28	1.50	1.45
14	A6	1615	CLA	C1D-ND	2.28	1.40	1.37
14	B5	1822	CLA	MG-NC	2.28	2.11	2.06
14	A4	825	CLA	MG-NC	2.28	2.11	2.06
14	B2	802	CLA	C3C-C2C	2.28	1.41	1.36
14	A5	838	CLA	O2A-CGA	2.28	1.40	1.33
14	B1	832	CLA	C3C-C2C	2.28	1.41	1.36
17	X5	102	LHG	P-O4	2.28	1.66	1.55
14	B3	1804	CLA	C1D-ND	2.28	1.40	1.37
14	B6	811	CLA	OBD-CAD	2.28	1.26	1.22
14	B4	808	CLA	O2A-CGA	2.28	1.40	1.33
14	A2	1624	CLA	CHD-C4C	2.28	1.44	1.39
14	B2	812	CLA	OBD-CAD	2.28	1.26	1.22
14	A5	826	CLA	O2A-CGA	2.28	1.40	1.33
14	B6	819	CLA	CHD-C1D	2.28	1.42	1.38
14	B6	817	CLA	C3C-C2C	2.28	1.41	1.36
14	A5	837	CLA	O2A-CGA	2.28	1.40	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A2	1643	CLA	MG-NA	2.28	2.11	2.06
14	B2	801	CLA	OBD-CAD	2.27	1.26	1.22
14	A6	1634	CLA	OBD-CAD	2.27	1.26	1.22
14	B5	1812	CLA	O2D-CGD	2.27	1.38	1.33
14	A2	1630	CLA	CHD-C1D	2.27	1.42	1.38
14	A3	839	CLA	CHD-C1D	2.27	1.42	1.38
14	B4	852	CLA	CHD-C1D	2.27	1.42	1.38
14	B2	813	CLA	MG-NC	2.27	2.11	2.06
17	B1	851	LHG	O8-C23	2.27	1.44	1.33
14	B4	830	CLA	MG-NC	2.27	2.11	2.06
14	A5	834	CLA	C3C-C2C	2.27	1.41	1.36
14	B4	837	CLA	CHD-C1D	2.27	1.42	1.38
14	A6	1609	CLA	O2A-CGA	2.27	1.40	1.33
14	B2	818	CLA	CHD-C1D	2.27	1.42	1.38
14	B5	1824	CLA	CHD-C1D	2.27	1.42	1.38
14	B5	1825	CLA	C3C-C2C	2.27	1.41	1.36
14	L6	207	CLA	CHD-C4C	2.27	1.44	1.39
14	B4	831	CLA	CHD-C1D	2.27	1.42	1.38
14	B1	841	CLA	O2A-CGA	2.27	1.40	1.33
14	B3	1836	CLA	CHD-C4C	2.27	1.44	1.39
14	B2	819	CLA	MG-NC	2.27	2.11	2.06
14	A3	816	CLA	CHD-C1D	2.27	1.42	1.38
14	A5	828	CLA	CHD-C1D	2.27	1.42	1.38
14	A3	815	CLA	C1D-ND	2.27	1.40	1.37
14	A6	1610	CLA	OBD-CAD	2.27	1.26	1.22
14	B5	1839	CLA	OBD-CAD	2.27	1.26	1.22
14	L1	207	CLA	O2D-CGD	2.27	1.38	1.33
14	A5	807	CLA	OBD-CAD	2.27	1.26	1.22
14	A1	813	CLA	C3D-C2D	2.27	1.45	1.39
14	F2	202	CLA	C3D-C2D	2.27	1.45	1.39
17	X4	101	LHG	O8-C23	2.27	1.44	1.33
14	A6	1630	CLA	C3C-C2C	2.27	1.41	1.36
14	A1	833	CLA	OBD-CAD	2.27	1.26	1.22
14	B2	819	CLA	OBD-CAD	2.27	1.26	1.22
14	A2	1615	CLA	OBD-CAD	2.27	1.26	1.22
14	A6	1623	CLA	OBD-CAD	2.27	1.26	1.22
16	B3	1851	BCR	C1-C6	2.27	1.56	1.53
14	B2	801	CLA	O2A-CGA	2.27	1.40	1.33
14	L1	207	CLA	CHD-C1D	2.27	1.42	1.38
14	B3	1827	CLA	OBD-CAD	2.27	1.26	1.22
14	A4	807	CLA	MG-NA	2.27	2.11	2.06
14	B3	1810	CLA	CHD-C1D	2.27	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A5	816	CLA	CHD-C1D	2.27	1.42	1.38
14	A2	1610	CLA	C1C-C2C	2.27	1.49	1.44
14	A2	1603	CLA	C3D-C2D	2.27	1.45	1.39
14	B3	1802	CLA	C4B-NB	2.27	1.37	1.35
14	B1	820	CLA	MG-NC	2.27	2.11	2.06
14	B6	803	CLA	O2A-CGA	2.27	1.40	1.33
14	B3	1805	CLA	C4C-C3C	2.27	1.48	1.45
14	B6	813	CLA	OBD-CAD	2.27	1.26	1.22
14	B2	834	CLA	CHD-C1D	2.27	1.42	1.38
14	A2	1623	CLA	MG-NA	2.27	2.11	2.06
14	B1	804	CLA	C3C-C2C	2.27	1.41	1.36
14	B3	1807	CLA	C4B-NB	2.27	1.37	1.35
14	A5	819	CLA	C4B-NB	2.27	1.37	1.35
14	B6	838	CLA	MG-NA	2.27	2.11	2.06
16	B5	1847	BCR	C1-C6	2.27	1.56	1.53
14	B2	818	CLA	C3C-C2C	2.27	1.41	1.36
14	B4	839	CLA	O2D-CGD	2.27	1.38	1.33
14	B1	823	CLA	MG-NC	2.27	2.11	2.06
14	A1	821	CLA	CHD-C4C	2.27	1.44	1.39
14	B4	802	CLA	OBD-CAD	2.26	1.26	1.22
14	A3	802	CLA	O2A-CGA	2.26	1.39	1.33
14	B3	1833	CLA	C3C-C2C	2.26	1.41	1.36
14	B4	842	CLA	O2D-CGD	2.26	1.38	1.33
14	A5	841	CLA	MG-NA	2.26	2.11	2.06
14	B3	1835	CLA	OBD-CAD	2.26	1.26	1.22
14	B5	1832	CLA	OBD-CAD	2.26	1.26	1.22
14	B2	809	CLA	O2D-CGD	2.26	1.38	1.33
14	B6	837	CLA	C3D-C2D	2.26	1.45	1.39
14	A5	834	CLA	C1D-ND	2.26	1.40	1.37
16	A4	849	BCR	C30-C25	2.26	1.56	1.53
14	B4	843	CLA	OBD-CAD	2.26	1.26	1.22
14	B2	833	CLA	CHD-C4C	2.26	1.44	1.39
14	B6	802	CLA	C3D-C2D	2.26	1.45	1.39
14	B2	829	CLA	C4B-NB	2.26	1.37	1.35
14	A3	830	CLA	MG-NC	2.26	2.11	2.06
14	A3	827	CLA	CHD-C1D	2.26	1.42	1.38
14	A4	837	CLA	CHD-C1D	2.26	1.42	1.38
14	A3	836	CLA	C1D-ND	2.26	1.40	1.37
16	B4	846	BCR	C8-C9	2.26	1.50	1.45
14	A6	1613	CLA	MG-NA	2.26	2.11	2.06
14	A2	1632	CLA	C3C-C2C	2.26	1.41	1.36
14	A4	815	CLA	MG-NC	2.26	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B6	804	CLA	OBD-CAD	2.26	1.26	1.22
14	A5	835	CLA	C3C-C2C	2.26	1.41	1.36
14	B1	807	CLA	C4B-NB	2.26	1.37	1.35
14	L6	207	CLA	CHD-C1D	2.26	1.42	1.38
14	B6	808	CLA	C3C-C2C	2.26	1.41	1.36
14	A3	824	CLA	O2A-CGA	2.26	1.39	1.33
14	A5	804	CLA	C1D-ND	2.26	1.40	1.37
14	B6	805	CLA	O2D-CGD	2.26	1.38	1.33
14	B3	1813	CLA	OBD-CAD	2.26	1.26	1.22
14	B5	1825	CLA	CHD-C1D	2.26	1.42	1.38
14	B4	836	CLA	CHD-C4C	2.26	1.44	1.39
14	A6	1603	CLA	OBD-CAD	2.26	1.26	1.22
14	A6	1626	CLA	O2A-CGA	2.26	1.39	1.33
14	A5	837	CLA	O2D-CGD	2.26	1.38	1.33
14	A4	837	CLA	O2A-CGA	2.26	1.39	1.33
14	B2	829	CLA	C1D-ND	2.26	1.40	1.37
14	A1	804	CLA	C3C-C2C	2.26	1.41	1.36
14	B6	823	CLA	C3C-C2C	2.26	1.41	1.36
14	K6	1401	CLA	C3C-C2C	2.26	1.41	1.36
14	B6	840	CLA	O2D-CGD	2.26	1.38	1.33
14	K5	101	CLA	C3D-C2D	2.26	1.45	1.39
14	B2	805	CLA	O2A-CGA	2.26	1.39	1.33
14	A4	832	CLA	C3C-C2C	2.26	1.41	1.36
16	B4	846	BCR	C30-C25	2.26	1.56	1.53
14	B3	1840	CLA	C1D-ND	2.26	1.40	1.37
14	A5	815	CLA	MG-NC	2.26	2.11	2.06
14	J3	102	CLA	C3D-C2D	2.26	1.45	1.39
14	L5	202	CLA	MG-NC	2.26	2.11	2.06
14	B4	805	CLA	C1C-C2C	2.26	1.48	1.44
14	B5	1843	CLA	OBD-CAD	2.26	1.26	1.22
14	B1	854	CLA	C1D-ND	2.26	1.40	1.37
14	A2	1609	CLA	C3C-C2C	2.26	1.41	1.36
14	B1	802	CLA	OBD-CAD	2.26	1.26	1.22
14	A3	814	CLA	C3C-C2C	2.26	1.41	1.36
14	B4	816	CLA	OBD-CAD	2.26	1.26	1.22
14	A5	838	CLA	C3C-C2C	2.26	1.41	1.36
14	A3	832	CLA	CHD-C1D	2.25	1.42	1.38
14	A5	824	CLA	O2A-CGA	2.25	1.39	1.33
14	B2	820	CLA	OBD-CAD	2.25	1.26	1.22
14	A4	802	CLA	OBD-CAD	2.25	1.26	1.22
14	A6	1608	CLA	MG-NA	2.25	2.11	2.06
14	B2	835	CLA	C1D-ND	2.25	1.40	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A2	1645	CLA	C3D-C2D	2.25	1.45	1.39
14	L1	205	CLA	CHD-C1D	2.25	1.42	1.38
14	L6	208	CLA	CHD-C1D	2.25	1.42	1.38
14	B3	1828	CLA	O2A-CGA	2.25	1.39	1.33
14	B2	802	CLA	C1C-C2C	2.25	1.48	1.44
14	A6	1651	CLA	C3D-C2D	2.25	1.45	1.39
14	B5	1838	CLA	C3C-C2C	2.25	1.41	1.36
14	B5	1836	CLA	CHD-C4C	2.25	1.44	1.39
14	B5	1824	CLA	MG-NC	2.25	2.11	2.06
14	A4	828	CLA	OBD-CAD	2.25	1.26	1.22
14	B4	826	CLA	OBD-CAD	2.25	1.26	1.22
16	B1	852	BCR	C1-C6	2.25	1.56	1.53
14	B5	1803	CLA	O2A-CGA	2.25	1.39	1.33
14	B3	1805	CLA	O2A-CGA	2.25	1.39	1.33
14	B2	808	CLA	OBD-CAD	2.25	1.26	1.22
14	B6	822	CLA	MG-NC	2.25	2.11	2.06
14	B3	1801	CLA	CHD-C1D	2.25	1.42	1.38
14	A1	826	CLA	C1D-ND	2.25	1.40	1.37
14	B1	837	CLA	C3C-C2C	2.25	1.41	1.36
14	A2	1603	CLA	O2A-CGA	2.25	1.39	1.33
14	A1	839	CLA	O2D-CGD	2.25	1.38	1.33
14	B6	836	CLA	C3C-C2C	2.25	1.41	1.36
14	J5	102	CLA	CHD-C4C	2.25	1.44	1.39
14	B4	803	CLA	OBD-CAD	2.25	1.26	1.22
14	A6	1604	CLA	OBD-CAD	2.25	1.26	1.22
14	B2	806	CLA	C3C-C2C	2.25	1.41	1.36
14	B1	810	CLA	MG-NC	2.25	2.11	2.06
14	B4	811	CLA	CHD-C1D	2.25	1.42	1.38
14	B6	829	CLA	O2A-CGA	2.25	1.39	1.33
14	A4	822	CLA	C3C-C2C	2.25	1.41	1.36
14	B4	835	CLA	OBD-CAD	2.25	1.26	1.22
14	A1	834	CLA	O2D-CGD	2.25	1.38	1.33
14	A2	1629	CLA	CHD-C1D	2.25	1.42	1.38
14	A5	832	CLA	C3C-C2C	2.25	1.41	1.36
14	B2	831	CLA	O2D-CGD	2.25	1.38	1.33
14	B3	1835	CLA	C1D-ND	2.25	1.40	1.37
14	B1	826	CLA	MG-NC	2.25	2.11	2.06
14	B2	818	CLA	MG-NC	2.25	2.11	2.06
14	A1	825	CLA	O2A-CGA	2.25	1.39	1.33
14	A1	809	CLA	C3C-C2C	2.25	1.41	1.36
14	A5	828	CLA	C3C-C2C	2.25	1.41	1.36
14	A3	827	CLA	MG-NA	2.25	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B4	827	CLA	MG-NC	2.25	2.11	2.06
14	B2	824	CLA	C1D-ND	2.25	1.40	1.37
16	A5	850	BCR	C30-C25	2.25	1.56	1.53
14	B3	1809	CLA	C3D-C2D	2.25	1.45	1.39
14	A5	805	CLA	C3C-C2C	2.25	1.41	1.36
14	A6	1638	CLA	O2A-CGA	2.25	1.39	1.33
14	A5	810	CLA	C3C-C2C	2.25	1.41	1.36
14	A4	823	CLA	C1D-ND	2.25	1.40	1.37
14	B1	806	CLA	C4C-C3C	2.25	1.48	1.45
14	A2	1641	CLA	OBD-CAD	2.25	1.26	1.22
14	A3	841	CLA	CHD-C1D	2.25	1.42	1.38
14	B1	824	CLA	O2D-CGD	2.25	1.38	1.33
14	A6	1624	CLA	O2A-CGA	2.25	1.39	1.33
14	A5	829	CLA	O2A-CGA	2.25	1.39	1.33
14	B5	1808	CLA	C3C-C2C	2.24	1.41	1.36
14	B3	1803	CLA	C1C-C2C	2.24	1.48	1.44
14	A1	835	CLA	O2D-CGD	2.24	1.38	1.33
14	A6	1617	CLA	C1D-ND	2.24	1.40	1.37
14	A1	827	CLA	CHD-C1D	2.24	1.42	1.38
14	B4	831	CLA	C3C-C2C	2.24	1.41	1.36
14	B4	842	CLA	C3C-C2C	2.24	1.41	1.36
14	B5	1831	CLA	C3C-C2C	2.24	1.41	1.36
14	B6	832	CLA	O2A-CGA	2.24	1.39	1.33
14	B3	1835	CLA	C3C-C2C	2.24	1.41	1.36
14	B1	825	CLA	C1C-C2C	2.24	1.48	1.44
14	A4	836	CLA	O2D-CGD	2.24	1.38	1.33
14	L1	206	CLA	C3C-C2C	2.24	1.41	1.36
14	L5	204	CLA	MG-NC	2.24	2.11	2.06
14	B3	1827	CLA	MG-NC	2.24	2.11	2.06
14	X6	1701	CLA	C3C-C2C	2.24	1.41	1.36
14	A2	1641	CLA	CHD-C1D	2.24	1.42	1.38
14	A4	823	CLA	MG-NC	2.24	2.11	2.06
14	A6	1626	CLA	C3C-C2C	2.24	1.41	1.36
14	A4	818	CLA	C3D-C2D	2.24	1.45	1.39
14	B4	827	CLA	C4B-NB	2.24	1.37	1.35
14	A3	814	CLA	OBD-CAD	2.24	1.26	1.22
14	A6	1620	CLA	OBD-CAD	2.24	1.26	1.22
14	K1	1401	CLA	MG-NC	2.24	2.11	2.06
14	A6	1603	CLA	C4B-NB	2.24	1.37	1.35
14	A2	1616	CLA	C3C-C2C	2.24	1.41	1.36
14	A1	828	CLA	MG-NC	2.24	2.11	2.06
14	A4	834	CLA	CHD-C1D	2.24	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A4	829	CLA	OBD-CAD	2.24	1.26	1.22
14	A2	1613	CLA	C1D-ND	2.24	1.40	1.37
14	B2	831	CLA	C1D-ND	2.24	1.40	1.37
14	A4	807	CLA	C1C-C2C	2.24	1.48	1.44
14	B1	808	CLA	O2A-CGA	2.24	1.39	1.33
14	B3	1809	CLA	C3C-C2C	2.24	1.41	1.36
14	A1	836	CLA	O2A-CGA	2.24	1.39	1.33
14	A4	805	CLA	C4B-NB	2.24	1.37	1.35
14	A2	1636	CLA	MG-NC	2.24	2.11	2.06
14	B3	1831	CLA	O2D-CGD	2.24	1.38	1.33
14	B5	1834	CLA	O2A-CGA	2.24	1.39	1.33
14	B3	1821	CLA	MG-NC	2.24	2.11	2.06
14	B1	804	CLA	C1C-C2C	2.24	1.48	1.44
14	B1	835	CLA	CHD-C4C	2.24	1.44	1.39
14	A1	829	CLA	CHD-C1D	2.24	1.42	1.38
14	A6	1641	CLA	C3C-C2C	2.24	1.41	1.36
16	F4	203	BCR	C30-C25	2.24	1.56	1.53
14	B1	803	CLA	OBD-CAD	2.24	1.26	1.22
14	B2	804	CLA	C4B-NB	2.24	1.37	1.35
14	A3	835	CLA	C3C-C2C	2.24	1.41	1.36
14	B1	804	CLA	OBD-CAD	2.24	1.26	1.22
14	B3	1825	CLA	C3C-C2C	2.24	1.41	1.36
14	A4	837	CLA	C3C-C2C	2.24	1.41	1.36
14	B2	834	CLA	C1D-ND	2.24	1.40	1.37
14	B2	816	CLA	MG-NC	2.24	2.11	2.06
14	B3	1804	CLA	C3C-C2C	2.24	1.41	1.36
14	L6	202	CLA	CHD-C1D	2.24	1.42	1.38
14	A2	1619	CLA	MG-NC	2.24	2.11	2.06
14	B3	1826	CLA	C1C-C2C	2.24	1.48	1.44
14	A5	826	CLA	C3C-C2C	2.24	1.41	1.36
14	A5	810	CLA	OBD-CAD	2.24	1.26	1.22
14	B5	1803	CLA	C3D-C2D	2.24	1.45	1.39
14	B3	1803	CLA	MG-NC	2.24	2.11	2.06
14	B3	1819	CLA	CHD-C1D	2.24	1.42	1.38
14	A2	1628	CLA	O2A-CGA	2.24	1.39	1.33
14	K2	1401	CLA	MG-NC	2.24	2.11	2.06
14	K5	102	CLA	C3C-C2C	2.24	1.41	1.36
14	B4	832	CLA	CHD-C4C	2.23	1.44	1.39
14	B5	1805	CLA	C4C-C3C	2.23	1.48	1.45
14	B2	821	CLA	OBD-CAD	2.23	1.26	1.22
14	B1	830	CLA	C3C-C2C	2.23	1.41	1.36
14	B3	1816	CLA	MG-NC	2.23	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	L4	205	CLA	CHD-C1D	2.23	1.42	1.38
14	B4	813	CLA	MG-NC	2.23	2.11	2.06
14	B3	1819	CLA	O2A-CGA	2.23	1.39	1.33
14	A3	845	CLA	C3C-C2C	2.23	1.41	1.36
14	B2	816	CLA	OBD-CAD	2.23	1.26	1.22
14	B4	828	CLA	O2A-CGA	2.23	1.39	1.33
14	A6	1617	CLA	OBD-CAD	2.23	1.26	1.22
14	B6	835	CLA	C1D-ND	2.23	1.40	1.37
14	B4	807	CLA	MG-NA	2.23	2.11	2.06
14	A5	822	CLA	CHD-C4C	2.23	1.44	1.39
14	B2	835	CLA	CHD-C1D	2.23	1.42	1.38
14	B3	1842	CLA	O2D-CGD	2.23	1.38	1.33
14	B4	831	CLA	O2A-CGA	2.23	1.39	1.33
14	B1	827	CLA	C3B-C2B	2.23	1.43	1.40
14	B6	830	CLA	OBD-CAD	2.23	1.26	1.22
14	A2	1626	CLA	O2A-CGA	2.23	1.39	1.33
14	A6	1629	CLA	O2A-CGA	2.23	1.39	1.33
14	A2	1632	CLA	CHD-C1D	2.23	1.42	1.38
14	B4	825	CLA	CHD-C1D	2.23	1.42	1.38
14	B1	829	CLA	OBD-CAD	2.23	1.26	1.22
14	J3	102	CLA	CHD-C4C	2.23	1.44	1.39
14	A5	834	CLA	C4B-NB	2.23	1.37	1.35
14	B5	1842	CLA	C3C-C2C	2.23	1.41	1.36
14	A3	828	CLA	CHD-C1D	2.23	1.42	1.38
16	J1	104	BCR	C30-C25	2.23	1.56	1.53
14	B2	807	CLA	C3C-C2C	2.23	1.41	1.36
14	B3	1842	CLA	C3C-C2C	2.23	1.41	1.36
14	B4	811	CLA	C1D-ND	2.23	1.40	1.37
14	A5	838	CLA	CHD-C1D	2.23	1.42	1.38
14	B6	841	CLA	OBD-CAD	2.23	1.26	1.22
14	A5	803	CLA	O2D-CGD	2.23	1.38	1.33
14	A5	835	CLA	C1D-ND	2.23	1.40	1.37
14	A6	1631	CLA	MG-NA	2.23	2.11	2.06
14	A1	828	CLA	O2A-CGA	2.23	1.39	1.33
14	K6	1401	CLA	MG-NC	2.23	2.11	2.06
14	A6	1638	CLA	C3C-C2C	2.23	1.41	1.36
14	B5	1831	CLA	O2D-CGD	2.23	1.38	1.33
14	B4	810	CLA	CHD-C1D	2.23	1.42	1.38
14	A1	832	CLA	C4B-NB	2.23	1.37	1.35
14	B5	1809	CLA	C3C-C2C	2.23	1.41	1.36
14	J2	101	CLA	CHD-C4C	2.23	1.44	1.39
14	A6	1607	CLA	OBD-CAD	2.23	1.26	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	J6	1101	CLA	O2D-CGD	2.23	1.38	1.33
14	B6	808	CLA	CHD-C1D	2.23	1.42	1.38
14	A2	1628	CLA	MG-NC	2.23	2.11	2.06
14	A6	1605	CLA	C3C-C2C	2.23	1.41	1.36
14	A1	836	CLA	CHD-C1D	2.23	1.42	1.38
14	A6	1609	CLA	C3C-C2C	2.23	1.41	1.36
14	B4	807	CLA	C4B-NB	2.23	1.37	1.35
14	L4	205	CLA	O2D-CGD	2.23	1.38	1.33
14	A3	826	CLA	MG-NC	2.23	2.11	2.06
14	B3	1814	CLA	OBD-CAD	2.23	1.26	1.22
14	A5	802	CLA	O2A-CGA	2.23	1.39	1.33
14	B2	822	CLA	CHD-C1D	2.23	1.42	1.38
14	B5	1819	CLA	C3C-C2C	2.23	1.41	1.36
14	A1	836	CLA	MG-NC	2.23	2.11	2.06
14	A2	1622	CLA	C4B-NB	2.23	1.37	1.35
14	B2	810	CLA	OBD-CAD	2.23	1.26	1.22
14	A4	812	CLA	MG-NA	2.23	2.11	2.06
14	B3	1831	CLA	CHD-C1D	2.23	1.42	1.38
14	B3	1801	CLA	C3C-C2C	2.23	1.41	1.36
14	A3	818	CLA	OBD-CAD	2.22	1.26	1.22
14	A4	802	CLA	O2D-CGD	2.22	1.38	1.33
14	A6	1628	CLA	CHD-C1D	2.22	1.42	1.38
16	A1	846	BCR	C1-C6	2.22	1.56	1.53
14	B6	809	CLA	C1D-ND	2.22	1.40	1.37
14	A2	1608	CLA	MG-NC	2.22	2.11	2.06
14	B1	815	CLA	O2A-CGA	2.22	1.39	1.33
14	A4	833	CLA	C3C-C2C	2.22	1.41	1.36
14	B2	832	CLA	OBD-CAD	2.22	1.26	1.22
14	A4	839	CLA	C4B-NB	2.22	1.37	1.35
14	B5	1805	CLA	O2A-CGA	2.22	1.39	1.33
14	B1	831	CLA	CHD-C4C	2.22	1.44	1.39
14	A4	809	CLA	OBD-CAD	2.22	1.26	1.22
14	A2	1631	CLA	O2A-CGA	2.22	1.39	1.33
14	B6	820	CLA	MG-NC	2.22	2.11	2.06
14	L5	203	CLA	C1D-ND	2.22	1.40	1.37
14	B3	1818	CLA	C3D-C2D	2.22	1.45	1.39
16	B4	847	BCR	C1-C6	2.22	1.56	1.53
14	A4	806	CLA	C3C-C2C	2.22	1.41	1.36
14	A4	803	CLA	C1D-ND	2.22	1.40	1.37
14	B2	825	CLA	O2A-CGA	2.22	1.39	1.33
14	B4	818	CLA	OBD-CAD	2.22	1.26	1.22
14	A1	807	CLA	MG-NA	2.22	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A6	1610	CLA	C3C-C2C	2.22	1.41	1.36
14	L6	208	CLA	O2A-CGA	2.22	1.39	1.33
14	B5	1842	CLA	O2D-CGD	2.22	1.38	1.33
14	A1	840	CLA	C3C-C2C	2.22	1.41	1.36
14	A6	1634	CLA	C3C-C2C	2.22	1.41	1.36
14	B4	811	CLA	O2A-CGA	2.22	1.39	1.33
14	B5	1821	CLA	C1D-ND	2.22	1.40	1.37
14	B6	813	CLA	MG-NC	2.22	2.11	2.06
14	B1	818	CLA	C3C-C2C	2.22	1.41	1.36
14	B4	838	CLA	C3C-C2C	2.22	1.41	1.36
14	B5	1838	CLA	CHD-C1D	2.22	1.42	1.38
14	B2	836	CLA	O2D-CGD	2.22	1.38	1.33
14	B5	1832	CLA	CHD-C4C	2.22	1.44	1.39
14	B5	1807	CLA	C4B-NB	2.22	1.37	1.35
14	B2	828	CLA	O2D-CGD	2.22	1.38	1.33
14	A4	842	CLA	C3C-C2C	2.22	1.41	1.36
14	A3	803	CLA	OBD-CAD	2.22	1.26	1.22
14	X3	102	CLA	C3C-C2C	2.22	1.41	1.36
14	A3	830	CLA	O2A-CGA	2.22	1.39	1.33
14	A5	808	CLA	C1D-ND	2.22	1.40	1.37
14	B4	803	CLA	CHD-C1D	2.22	1.42	1.38
14	K5	101	CLA	C3C-C2C	2.22	1.41	1.36
14	B2	812	CLA	MG-NC	2.22	2.11	2.06
14	B3	1808	CLA	O2A-CGA	2.22	1.39	1.33
14	B2	816	CLA	MG-NA	2.22	2.11	2.06
14	A3	837	CLA	O2D-CGD	2.22	1.38	1.33
14	A2	1618	CLA	MG-NC	2.22	2.11	2.06
14	A4	828	CLA	C3D-C2D	2.21	1.45	1.39
14	B2	835	CLA	C3C-C2C	2.21	1.41	1.36
14	B5	1826	CLA	OBD-CAD	2.21	1.26	1.22
14	B5	1801	CLA	CHD-C1D	2.21	1.42	1.38
14	B6	829	CLA	O2D-CGD	2.21	1.38	1.33
14	A5	806	CLA	MG-NC	2.21	2.11	2.06
14	A6	1604	CLA	C1D-ND	2.21	1.40	1.37
14	A6	1619	CLA	C1D-ND	2.21	1.40	1.37
14	A1	826	CLA	C3C-C2C	2.21	1.41	1.36
14	A6	1639	CLA	C4B-NB	2.21	1.37	1.35
14	B3	1805	CLA	O2D-CGD	2.21	1.38	1.33
14	X4	102	CLA	O2D-CGD	2.21	1.38	1.33
14	B6	813	CLA	O2A-CGA	2.21	1.39	1.33
14	B6	830	CLA	C1D-ND	2.21	1.40	1.37
14	A1	802	CLA	O2D-CGD	2.21	1.38	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A3	818	CLA	CHD-C1D	2.21	1.42	1.38
14	A1	816	CLA	OBD-CAD	2.21	1.26	1.22
14	B5	1809	CLA	OBD-CAD	2.21	1.26	1.22
14	A5	836	CLA	O2D-CGD	2.21	1.38	1.33
14	B3	1815	CLA	MG-NC	2.21	2.11	2.06
14	A4	826	CLA	MG-NA	2.21	2.11	2.06
14	A1	806	CLA	C3C-C2C	2.21	1.41	1.36
14	B2	833	CLA	MG-NA	2.21	2.11	2.06
14	B5	1836	CLA	MG-NA	2.21	2.11	2.06
14	J1	101	CLA	CHD-C4C	2.21	1.44	1.39
14	B1	831	CLA	C3C-C2C	2.21	1.41	1.36
14	X1	1701	CLA	C3C-C2C	2.21	1.41	1.36
14	A4	828	CLA	O2A-CGA	2.21	1.39	1.33
14	B2	802	CLA	O2D-CGD	2.21	1.38	1.33
14	A2	1625	CLA	C3C-C2C	2.21	1.41	1.36
14	B5	1803	CLA	C3C-C2C	2.21	1.41	1.36
14	L4	204	CLA	OBD-CAD	2.21	1.26	1.22
14	A2	1619	CLA	C1D-ND	2.21	1.40	1.37
14	B1	853	CLA	CHD-C1D	2.21	1.42	1.38
14	B6	830	CLA	CHD-C4C	2.21	1.44	1.39
14	B1	809	CLA	O2A-CGA	2.21	1.39	1.33
14	B2	806	CLA	O2A-CGA	2.21	1.39	1.33
14	B6	816	CLA	C3D-C2D	2.21	1.45	1.39
14	B2	805	CLA	C3C-C2C	2.21	1.41	1.36
14	L3	205	CLA	C3C-C2C	2.21	1.41	1.36
14	B2	821	CLA	MG-NC	2.21	2.11	2.06
14	B1	820	CLA	CHD-C1D	2.21	1.42	1.38
14	B2	807	CLA	CHD-C1D	2.21	1.42	1.38
14	B2	806	CLA	C3D-C2D	2.21	1.45	1.39
14	A2	1625	CLA	C4B-NB	2.21	1.37	1.35
14	L3	203	CLA	MG-NC	2.21	2.11	2.06
14	L6	208	CLA	C3C-C2C	2.21	1.41	1.36
14	A2	1605	CLA	OBD-CAD	2.21	1.26	1.22
14	L2	207	CLA	CHD-C1D	2.21	1.42	1.38
14	B6	820	CLA	OBD-CAD	2.21	1.26	1.22
14	B4	808	CLA	MG-NA	2.21	2.11	2.06
14	A5	842	CLA	C4B-NB	2.21	1.37	1.35
14	B1	834	CLA	CHD-C4C	2.21	1.44	1.39
14	B3	1810	CLA	C3C-C2C	2.21	1.41	1.36
14	A4	827	CLA	C3C-C2C	2.21	1.41	1.36
14	B3	1824	CLA	MG-NC	2.21	2.11	2.06
14	B5	1802	CLA	OBD-CAD	2.21	1.26	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B6	806	CLA	C4B-NB	2.21	1.37	1.35
14	A2	1642	CLA	CHD-C1D	2.21	1.42	1.38
14	B1	818	CLA	MG-NA	2.20	2.11	2.06
14	K4	1401	CLA	MG-NC	2.20	2.11	2.06
14	B2	831	CLA	O2A-CGA	2.20	1.39	1.33
14	B1	821	CLA	MG-NC	2.20	2.11	2.06
14	A4	831	CLA	C3C-C2C	2.20	1.41	1.36
14	A1	806	CLA	OBD-CAD	2.20	1.26	1.22
14	A1	814	CLA	C4B-NB	2.20	1.37	1.35
14	B1	827	CLA	O2A-CGA	2.20	1.39	1.33
14	B6	805	CLA	O2A-CGA	2.20	1.39	1.33
14	A6	1623	CLA	C3C-C2C	2.20	1.41	1.36
14	X1	1701	CLA	C3D-C2D	2.20	1.45	1.39
14	A2	1601	CLA	C1D-ND	2.20	1.40	1.37
14	B5	1819	CLA	C1D-ND	2.20	1.40	1.37
14	A2	1631	CLA	C3D-C2D	2.20	1.45	1.39
14	A6	1608	CLA	C1C-C2C	2.20	1.48	1.44
14	A6	1630	CLA	CHD-C1D	2.20	1.42	1.38
14	B6	816	CLA	OBD-CAD	2.20	1.26	1.22
14	L6	202	CLA	C3D-C2D	2.20	1.45	1.39
14	A4	810	CLA	C3C-C2C	2.20	1.41	1.36
14	B5	1810	CLA	C3C-C2C	2.20	1.41	1.36
14	B6	822	CLA	OBD-CAD	2.20	1.26	1.22
14	B2	822	CLA	C3C-C2C	2.20	1.41	1.36
14	B6	824	CLA	C1C-C2C	2.20	1.48	1.44
14	A2	1637	CLA	CHD-C1D	2.20	1.42	1.38
14	B4	805	CLA	O2A-CGA	2.20	1.39	1.33
14	A2	1639	CLA	O2D-CGD	2.20	1.38	1.33
14	F4	202	CLA	C3D-C2D	2.20	1.45	1.39
14	X4	102	CLA	C3C-C2C	2.20	1.41	1.36
14	A1	823	CLA	O2A-CGA	2.20	1.39	1.33
14	B3	1823	CLA	C1D-ND	2.20	1.40	1.37
14	B5	1808	CLA	O2A-CGA	2.20	1.39	1.33
16	B4	849	BCR	C30-C25	2.20	1.56	1.53
14	B4	839	CLA	C3D-C2D	2.20	1.45	1.39
14	A3	836	CLA	C1C-C2C	2.20	1.48	1.44
14	A4	821	CLA	CHD-C4C	2.20	1.44	1.39
14	I6	101	CLA	C3C-C2C	2.20	1.41	1.36
14	B1	813	CLA	MG-NC	2.20	2.11	2.06
14	A6	1627	CLA	MG-NA	2.20	2.11	2.06
14	A4	817	CLA	OBD-CAD	2.20	1.26	1.22
14	A1	803	CLA	MG-NC	2.20	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A5	829	CLA	OBD-CAD	2.20	1.26	1.22
14	K2	1401	CLA	C3C-C2C	2.20	1.41	1.36
14	A4	841	CLA	C4B-NB	2.20	1.37	1.35
14	B5	1811	CLA	O2A-CGA	2.20	1.39	1.33
14	B4	836	CLA	O2D-CGD	2.20	1.38	1.33
14	A3	803	CLA	CHD-C1D	2.20	1.42	1.38
14	A5	843	CLA	CHD-C1D	2.20	1.42	1.38
16	B3	1846	BCR	C26-C25	2.20	1.38	1.34
14	L2	202	CLA	C1D-ND	2.20	1.40	1.37
14	B3	1802	CLA	C1D-ND	2.20	1.40	1.37
14	A1	828	CLA	C3D-C2D	2.20	1.45	1.39
14	B1	810	CLA	C3C-C2C	2.20	1.41	1.36
14	A2	1640	CLA	O2A-CGA	2.20	1.39	1.33
14	K3	1401	CLA	MG-NC	2.20	2.11	2.06
14	A6	1639	CLA	CHD-C1D	2.20	1.42	1.38
14	B1	853	CLA	C3C-C2C	2.20	1.41	1.36
14	B2	832	CLA	C3C-C2C	2.20	1.41	1.36
14	A3	810	CLA	OBD-CAD	2.20	1.26	1.22
14	L3	203	CLA	CHD-C1D	2.20	1.42	1.38
14	A2	1621	CLA	C3D-C2D	2.20	1.45	1.39
14	A6	1632	CLA	C3C-C2C	2.20	1.41	1.36
14	J5	101	CLA	C1C-C2C	2.20	1.48	1.44
14	A3	834	CLA	C1D-ND	2.20	1.40	1.37
14	A3	829	CLA	O2A-CGA	2.20	1.39	1.33
14	A3	838	CLA	O2D-CGD	2.20	1.38	1.33
14	B3	1839	CLA	O2D-CGD	2.20	1.38	1.33
14	B1	809	CLA	C3D-C2D	2.20	1.45	1.39
14	J6	1101	CLA	OBD-CAD	2.20	1.26	1.22
14	B4	852	CLA	C3C-C2C	2.20	1.41	1.36
14	A1	838	CLA	MG-NA	2.20	2.11	2.06
14	A5	828	CLA	OBD-CAD	2.20	1.26	1.22
14	L4	203	CLA	CHD-C1D	2.20	1.42	1.38
14	A3	819	CLA	C3D-C2D	2.20	1.45	1.39
14	A3	835	CLA	C4B-NB	2.19	1.37	1.35
14	B6	804	CLA	MG-NC	2.19	2.11	2.06
14	A4	811	CLA	C3C-C2C	2.19	1.41	1.36
14	B1	804	CLA	O2A-CGA	2.19	1.39	1.33
14	B1	807	CLA	C3C-C2C	2.19	1.41	1.36
14	B6	806	CLA	C3C-C2C	2.19	1.41	1.36
14	B2	807	CLA	MG-NC	2.19	2.11	2.06
14	A3	808	CLA	MG-NA	2.19	2.11	2.06
14	A5	815	CLA	C4B-NB	2.19	1.37	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A2	1643	CLA	C1-C2	2.19	1.55	1.49
14	A3	816	CLA	MG-NC	2.19	2.11	2.06
14	B5	1831	CLA	O2A-CGA	2.19	1.39	1.33
14	A1	836	CLA	C3C-C2C	2.19	1.41	1.36
14	B2	801	CLA	MG-NC	2.19	2.11	2.06
14	B2	806	CLA	C1D-ND	2.19	1.40	1.37
14	A2	1623	CLA	C4B-NB	2.19	1.37	1.35
14	A1	832	CLA	OBD-CAD	2.19	1.26	1.22
14	A4	840	CLA	MG-NA	2.19	2.11	2.06
14	A6	1615	CLA	MG-NC	2.19	2.11	2.06
14	A6	1641	CLA	C3D-C2D	2.19	1.45	1.39
14	L1	202	CLA	C1D-ND	2.19	1.40	1.37
14	A1	801	CLA	C4D-CHA	2.19	1.46	1.38
14	A6	1625	CLA	OBD-CAD	2.19	1.26	1.22
14	B1	826	CLA	O2D-CGD	2.19	1.38	1.33
14	L6	203	CLA	O2D-CGD	2.19	1.38	1.33
15	B1	842	PQN	C11-C12	2.19	1.53	1.50
14	A2	1636	CLA	O2A-CGA	2.19	1.39	1.33
14	B1	822	CLA	C1D-ND	2.19	1.40	1.37
14	A5	834	CLA	OBD-CAD	2.19	1.26	1.22
14	A6	1624	CLA	MG-NC	2.19	2.11	2.06
14	A3	813	CLA	OBD-CAD	2.19	1.26	1.22
14	J3	101	CLA	C1C-C2C	2.19	1.48	1.44
14	L2	207	CLA	C1B-NB	2.19	1.37	1.35
14	A4	829	CLA	C1D-ND	2.19	1.40	1.37
14	B2	828	CLA	O2A-CGA	2.19	1.39	1.33
14	A5	842	CLA	O2D-CGD	2.19	1.38	1.33
14	A2	1611	CLA	C3C-C2C	2.19	1.41	1.36
14	L2	207	CLA	C3C-C2C	2.19	1.41	1.36
14	B5	1810	CLA	CHD-C1D	2.19	1.42	1.38
14	B1	839	CLA	C1C-C2C	2.19	1.48	1.44
14	B2	825	CLA	C1D-ND	2.19	1.40	1.37
14	A1	833	CLA	C3C-C2C	2.19	1.41	1.36
14	B3	1810	CLA	MG-NC	2.19	2.11	2.06
14	A1	820	CLA	C4B-NB	2.19	1.37	1.35
14	A4	826	CLA	C3C-C2C	2.19	1.41	1.36
14	A6	1619	CLA	C3C-C2C	2.19	1.41	1.36
14	B5	1804	CLA	C1D-ND	2.19	1.40	1.37
14	K3	1401	CLA	C3C-C2C	2.19	1.41	1.36
14	A4	827	CLA	C4B-NB	2.19	1.37	1.35
14	A1	814	CLA	MG-NC	2.19	2.11	2.06
14	B3	1820	CLA	CHD-C1D	2.19	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A3	825	CLA	C1D-ND	2.19	1.40	1.37
16	B2	842	BCR	C1-C6	2.19	1.56	1.53
14	A6	1629	CLA	OBD-CAD	2.19	1.26	1.22
14	A3	809	CLA	C3C-C2C	2.19	1.41	1.36
16	A6	1648	BCR	C30-C25	2.19	1.56	1.53
14	A5	814	CLA	C3C-C2C	2.19	1.41	1.36
14	A5	823	CLA	C3C-C2C	2.19	1.41	1.36
14	K5	102	CLA	MG-NC	2.19	2.11	2.06
14	B5	1816	CLA	O2A-CGA	2.19	1.39	1.33
14	B1	810	CLA	CHD-C1D	2.18	1.42	1.38
14	B2	834	CLA	C1C-C2C	2.18	1.48	1.44
14	J2	101	CLA	C1C-C2C	2.18	1.48	1.44
14	B1	826	CLA	OBD-CAD	2.18	1.26	1.22
15	B3	1844	PQN	C11-C12	2.18	1.53	1.50
14	L5	204	CLA	CHD-C1D	2.18	1.42	1.38
14	B3	1820	CLA	MG-NA	2.18	2.11	2.06
14	A2	1620	CLA	C3C-C2C	2.18	1.41	1.36
14	B3	1843	CLA	C3C-C2C	2.18	1.41	1.36
14	B4	837	CLA	C1C-C2C	2.18	1.48	1.44
14	A4	833	CLA	C4B-NB	2.18	1.37	1.35
14	A1	804	CLA	CHD-C4C	2.18	1.44	1.39
14	B3	1811	CLA	O2A-CGA	2.18	1.39	1.33
16	B2	850	BCR	C1-C6	2.18	1.56	1.53
14	F5	1301	CLA	C3D-C2D	2.18	1.45	1.39
14	B3	1825	CLA	CHD-C1D	2.18	1.42	1.38
14	B1	831	CLA	OBD-CAD	2.18	1.26	1.22
14	B5	1803	CLA	C1C-C2C	2.18	1.48	1.44
14	B2	804	CLA	MG-NA	2.18	2.11	2.06
14	A5	803	CLA	OBD-CAD	2.18	1.26	1.22
14	A5	817	CLA	OBD-CAD	2.18	1.26	1.22
14	A1	832	CLA	C3C-C2C	2.18	1.41	1.36
14	B1	805	CLA	O2D-CGD	2.18	1.38	1.33
14	B5	1835	CLA	C3C-C2C	2.18	1.41	1.36
14	B4	810	CLA	C3C-C2C	2.18	1.41	1.36
14	A5	809	CLA	C3C-C2C	2.18	1.41	1.36
14	A6	1617	CLA	MG-NC	2.18	2.11	2.06
14	B4	806	CLA	C3C-C2C	2.18	1.41	1.36
14	B1	819	CLA	CHD-C1D	2.18	1.42	1.38
14	B6	804	CLA	C1B-NB	2.18	1.37	1.35
14	A4	825	CLA	C1D-ND	2.18	1.40	1.37
14	J1	102	CLA	CHD-C4C	2.18	1.44	1.39
14	A1	830	CLA	MG-NA	2.18	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A3	808	CLA	C1C-C2C	2.18	1.48	1.44
14	B6	833	CLA	OBD-CAD	2.18	1.26	1.22
14	B2	823	CLA	C3D-C2D	2.18	1.45	1.39
14	L2	207	CLA	O2D-CGD	2.18	1.38	1.33
14	A2	1636	CLA	C3C-C2C	2.18	1.41	1.36
14	B2	804	CLA	OBD-CAD	2.18	1.26	1.22
14	A3	830	CLA	CHD-C1D	2.18	1.42	1.38
14	B3	1827	CLA	C4B-NB	2.18	1.37	1.35
14	B6	808	CLA	MG-NC	2.18	2.11	2.06
14	A4	811	CLA	C1D-ND	2.18	1.40	1.37
14	A6	1651	CLA	O2A-CGA	2.18	1.39	1.33
14	B4	835	CLA	C3C-C2C	2.18	1.41	1.36
14	B1	818	CLA	O2A-CGA	2.18	1.39	1.33
14	A2	1635	CLA	C3C-C2C	2.18	1.41	1.36
14	A5	833	CLA	C3C-C2C	2.18	1.41	1.36
14	A6	1606	CLA	C4B-NB	2.18	1.37	1.35
14	B4	812	CLA	O2D-CGD	2.18	1.38	1.33
14	B2	801	CLA	C1C-C2C	2.18	1.48	1.44
14	A6	1626	CLA	MG-NC	2.18	2.11	2.06
14	B6	829	CLA	C1D-ND	2.18	1.40	1.37
14	A3	803	CLA	O2D-CGD	2.17	1.38	1.33
14	A6	1651	CLA	O2D-CGD	2.17	1.38	1.33
14	A1	807	CLA	C1C-C2C	2.17	1.48	1.44
14	B2	803	CLA	CHD-C4C	2.17	1.44	1.39
14	B2	831	CLA	MG-NA	2.17	2.11	2.06
14	A3	806	CLA	MG-NC	2.17	2.11	2.06
14	A4	830	CLA	MG-NA	2.17	2.11	2.06
14	B6	826	CLA	MG-NC	2.17	2.11	2.06
14	A5	831	CLA	MG-NA	2.17	2.11	2.06
14	A6	1637	CLA	O2D-CGD	2.17	1.38	1.33
14	A3	840	CLA	O2A-CGA	2.17	1.39	1.33
14	B4	804	CLA	C1D-ND	2.17	1.40	1.37
14	A4	813	CLA	C3D-C2D	2.17	1.45	1.39
14	A5	812	CLA	C3C-C2C	2.17	1.41	1.36
14	B2	801	CLA	C3D-C2D	2.17	1.45	1.39
14	X2	1701	CLA	C3C-C2C	2.17	1.41	1.36
14	X2	1701	CLA	C3D-C2D	2.17	1.45	1.39
14	A1	823	CLA	MG-NC	2.17	2.11	2.06
14	B4	832	CLA	C3C-C2C	2.17	1.41	1.36
14	A6	1618	CLA	CHD-C1D	2.17	1.42	1.38
14	A1	807	CLA	C1D-ND	2.17	1.40	1.37
14	B5	1820	CLA	CHD-C1D	2.17	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A6	1619	CLA	C3D-C2D	2.17	1.45	1.39
14	A1	829	CLA	OBD-CAD	2.17	1.26	1.22
14	A2	1632	CLA	OBD-CAD	2.17	1.26	1.22
14	B2	840	CLA	OBD-CAD	2.17	1.26	1.22
14	B1	813	CLA	C3D-C2D	2.17	1.45	1.39
14	A2	1630	CLA	C3C-C2C	2.17	1.41	1.36
14	A4	801	CLA	C4D-CHA	2.17	1.46	1.38
14	A2	1636	CLA	OBD-CAD	2.17	1.26	1.22
14	B3	1824	CLA	OBD-CAD	2.17	1.26	1.22
14	B1	828	CLA	C3C-C2C	2.17	1.41	1.36
14	A6	1612	CLA	C3C-C2C	2.17	1.41	1.36
14	A1	825	CLA	MG-NC	2.17	2.11	2.06
14	A3	824	CLA	MG-NC	2.17	2.11	2.06
14	A5	818	CLA	OBD-CAD	2.17	1.26	1.22
14	B3	1804	CLA	O2A-CGA	2.17	1.39	1.33
14	A6	1628	CLA	C3C-C2C	2.17	1.41	1.36
14	B6	813	CLA	C3D-C2D	2.17	1.45	1.39
14	L1	201	CLA	MG-NA	2.17	2.11	2.06
14	B5	1820	CLA	O2A-CGA	2.17	1.39	1.33
14	X6	1701	CLA	C1C-C2C	2.17	1.48	1.44
14	A6	1638	CLA	CHD-C1D	2.17	1.42	1.38
16	J1	104	BCR	C29-C30	2.17	1.59	1.54
14	A6	1636	CLA	C1D-ND	2.17	1.40	1.37
14	M6	1201	CLA	C1D-ND	2.17	1.40	1.37
14	A4	817	CLA	C3C-C2C	2.17	1.41	1.36
16	B1	852	BCR	C5-C6	2.16	1.38	1.34
14	I6	101	CLA	O2A-CGA	2.16	1.39	1.33
14	A2	1614	CLA	C3C-C2C	2.16	1.41	1.36
14	A4	824	CLA	MG-NC	2.16	2.11	2.06
14	B1	803	CLA	O2A-CGA	2.16	1.39	1.33
14	B6	807	CLA	O2A-CGA	2.16	1.39	1.33
14	A1	837	CLA	CHD-C1D	2.16	1.42	1.38
14	B3	1807	CLA	C3C-C2C	2.16	1.41	1.36
14	B5	1815	CLA	O2A-CGA	2.16	1.39	1.33
14	X3	102	CLA	C3D-C2D	2.16	1.45	1.39
14	B4	809	CLA	OBD-CAD	2.16	1.26	1.22
14	B5	1837	CLA	C1D-ND	2.16	1.40	1.37
14	A2	1629	CLA	C3C-C2C	2.16	1.41	1.36
14	A4	833	CLA	OBD-CAD	2.16	1.26	1.22
14	A6	1624	CLA	OBD-CAD	2.16	1.26	1.22
14	A3	817	CLA	MG-NC	2.16	2.11	2.06
14	A5	827	CLA	C3C-C2C	2.16	1.41	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A2	1642	CLA	C4B-NB	2.16	1.37	1.35
14	L3	205	CLA	C1B-NB	2.16	1.37	1.35
14	A2	1629	CLA	MG-NA	2.16	2.11	2.06
14	A6	1640	CLA	C1-C2	2.16	1.55	1.49
16	M2	1202	BCR	C1-C6	2.16	1.56	1.53
14	A1	822	CLA	OBD-CAD	2.16	1.26	1.22
14	A6	1607	CLA	C3C-C2C	2.16	1.41	1.36
14	B1	801	CLA	C1D-ND	2.16	1.40	1.37
14	B1	820	CLA	C1D-ND	2.16	1.40	1.37
14	B2	818	CLA	C1D-ND	2.16	1.40	1.37
14	B2	829	CLA	CHD-C4C	2.16	1.44	1.39
14	B4	803	CLA	C3C-C2C	2.16	1.41	1.36
14	B4	801	CLA	O2A-CGA	2.16	1.39	1.33
14	B5	1837	CLA	C1C-C2C	2.16	1.48	1.44
14	B6	825	CLA	MG-NC	2.16	2.11	2.06
14	B4	819	CLA	O2A-CGA	2.16	1.39	1.33
14	B1	839	CLA	MG-NA	2.16	2.11	2.06
14	B6	812	CLA	MG-NC	2.16	2.11	2.06
14	B1	819	CLA	O2A-CGA	2.16	1.39	1.33
16	M5	101	BCR	C1-C6	2.16	1.56	1.53
14	A3	827	CLA	C3C-C2C	2.16	1.41	1.36
14	A2	1621	CLA	C3C-C2C	2.16	1.41	1.36
14	A3	831	CLA	O2A-CGA	2.16	1.39	1.33
14	B2	840	CLA	C3C-C2C	2.16	1.41	1.36
14	A1	830	CLA	OBD-CAD	2.16	1.26	1.22
14	X3	102	CLA	C1C-C2C	2.16	1.48	1.44
14	B5	1840	CLA	MG-NA	2.16	2.11	2.06
14	A1	827	CLA	C4B-NB	2.16	1.37	1.35
14	A1	838	CLA	C1-C2	2.16	1.55	1.49
14	A6	1619	CLA	CHD-C4C	2.16	1.44	1.39
14	B6	833	CLA	C3C-C2C	2.16	1.41	1.36
14	A5	807	CLA	C3C-C2C	2.16	1.41	1.36
14	A3	825	CLA	MG-NC	2.16	2.11	2.06
14	B3	1836	CLA	C3D-C2D	2.16	1.45	1.39
14	A3	835	CLA	MG-NC	2.16	2.11	2.06
14	B3	1821	CLA	C1D-ND	2.16	1.40	1.37
14	B5	1840	CLA	C1C-C2C	2.15	1.48	1.44
14	A3	844	CLA	C3D-C2D	2.15	1.45	1.39
14	A4	834	CLA	C3C-C2C	2.15	1.41	1.36
14	A4	830	CLA	OBD-CAD	2.15	1.26	1.22
14	A2	1602	CLA	C4D-CHA	2.15	1.46	1.38
14	B2	836	CLA	O2A-CGA	2.15	1.39	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A5	804	CLA	O2A-CGA	2.15	1.39	1.33
14	L6	202	CLA	C3C-C2C	2.15	1.41	1.36
14	A5	814	CLA	C3D-C2D	2.15	1.45	1.39
14	B5	1819	CLA	O2A-CGA	2.15	1.39	1.33
14	L1	207	CLA	C1B-NB	2.15	1.37	1.35
14	B3	1803	CLA	C3D-C2D	2.15	1.45	1.39
14	A5	843	CLA	C3C-C2C	2.15	1.41	1.36
14	B1	830	CLA	O2A-CGA	2.15	1.39	1.33
14	A3	801	CLA	C4D-CHA	2.15	1.46	1.38
14	B5	1818	CLA	MG-NC	2.15	2.11	2.06
14	A2	1645	CLA	C3C-C2C	2.15	1.41	1.36
14	B6	824	CLA	OBD-CAD	2.15	1.26	1.22
14	A6	1629	CLA	C3D-C2D	2.15	1.45	1.39
14	B1	824	CLA	C3C-C2C	2.15	1.41	1.36
14	A3	839	CLA	C3C-C2C	2.15	1.41	1.36
14	A5	840	CLA	CHD-C1D	2.15	1.42	1.38
14	A3	831	CLA	OBD-CAD	2.15	1.26	1.22
14	A4	840	CLA	C1-C2	2.15	1.55	1.49
14	B1	811	CLA	O2A-CGA	2.15	1.39	1.33
14	B4	824	CLA	CHD-C4C	2.15	1.44	1.39
14	A5	825	CLA	MG-NC	2.15	2.11	2.06
14	A2	1608	CLA	C4B-NB	2.15	1.37	1.35
14	B3	1839	CLA	O2A-CGA	2.15	1.39	1.33
14	B1	814	CLA	O2A-CGA	2.15	1.39	1.33
14	A4	824	CLA	C1C-C2C	2.15	1.48	1.44
14	B5	1806	CLA	C3C-C2C	2.15	1.41	1.36
14	J4	102	CLA	CHD-C4C	2.15	1.44	1.39
14	B2	829	CLA	OBD-CAD	2.15	1.26	1.22
14	B4	807	CLA	C3C-C2C	2.15	1.41	1.36
14	L4	205	CLA	C3D-C2D	2.15	1.45	1.39
14	B4	816	CLA	MG-NC	2.15	2.11	2.06
14	B6	803	CLA	CHD-C1D	2.15	1.42	1.38
14	A1	813	CLA	CHD-C4C	2.15	1.44	1.39
14	A6	1603	CLA	CHD-C4C	2.15	1.44	1.39
14	I1	101	CLA	C3C-C2C	2.15	1.41	1.36
16	B6	850	BCR	C1-C6	2.15	1.56	1.53
14	B5	1804	CLA	O2D-CGD	2.15	1.38	1.33
14	B1	826	CLA	C1D-ND	2.15	1.40	1.37
14	A6	1630	CLA	OBD-CAD	2.15	1.26	1.22
19	B5	1851	LMG	O7-C8	-2.15	1.41	1.46
14	F3	202	CLA	C3D-C2D	2.15	1.45	1.39
14	B5	1809	CLA	C3D-C2D	2.15	1.45	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	L5	206	CLA	C1B-NB	2.15	1.37	1.35
14	A3	823	CLA	OBD-CAD	2.15	1.26	1.22
14	L5	204	CLA	O2A-CGA	2.15	1.39	1.33
14	B3	1838	CLA	C3D-C2D	2.15	1.45	1.39
14	B6	832	CLA	MG-NA	2.15	2.11	2.06
14	B6	837	CLA	O2A-CGA	2.15	1.39	1.33
14	A5	808	CLA	MG-NA	2.15	2.11	2.06
14	B3	1803	CLA	OBD-CAD	2.15	1.26	1.22
14	B1	804	CLA	C3D-C2D	2.15	1.45	1.39
14	B5	1810	CLA	MG-NC	2.15	2.11	2.06
14	A1	804	CLA	OBD-CAD	2.15	1.26	1.22
14	A4	842	CLA	C3D-C2D	2.14	1.45	1.39
16	B1	844	BCR	C30-C25	2.14	1.56	1.53
14	L5	206	CLA	C1C-C2C	2.14	1.48	1.44
14	B4	843	CLA	C3C-C2C	2.14	1.41	1.36
14	B5	1807	CLA	MG-NA	2.14	2.11	2.06
14	A3	842	CLA	C1-C2	2.14	1.55	1.49
14	A5	831	CLA	O2A-CGA	2.14	1.39	1.33
14	A5	831	CLA	OBD-CAD	2.14	1.26	1.22
14	A2	1644	CLA	C4B-NB	2.14	1.37	1.35
14	A5	820	CLA	C4B-NB	2.14	1.37	1.35
14	A2	1637	CLA	C1D-ND	2.14	1.40	1.37
14	L4	201	CLA	C1D-ND	2.14	1.40	1.37
14	A6	1634	CLA	C1D-ND	2.14	1.40	1.37
14	B6	824	CLA	C3D-C2D	2.14	1.45	1.39
14	B4	831	CLA	C1D-ND	2.14	1.40	1.37
14	X6	1701	CLA	C3D-C2D	2.14	1.45	1.39
14	L6	208	CLA	C1B-NB	2.14	1.37	1.35
14	A2	1633	CLA	MG-NA	2.14	2.11	2.06
14	A6	1631	CLA	OBD-CAD	2.14	1.26	1.22
14	A5	818	CLA	CHD-C1D	2.14	1.42	1.38
14	B6	812	CLA	C3D-C2D	2.14	1.45	1.39
14	A3	832	CLA	C3C-C2C	2.14	1.41	1.36
16	M3	1602	BCR	C1-C6	2.14	1.56	1.53
14	A3	819	CLA	C1D-ND	2.14	1.40	1.37
14	A1	815	CLA	MG-NC	2.14	2.11	2.06
14	L1	205	CLA	O2A-CGA	2.14	1.39	1.33
14	J4	101	CLA	C1C-C2C	2.14	1.48	1.44
16	A6	1644	BCR	C30-C25	2.14	1.56	1.53
14	B6	841	CLA	C3C-C2C	2.14	1.41	1.36
14	B1	840	CLA	OBD-CAD	2.14	1.26	1.22
14	A2	1626	CLA	MG-NC	2.14	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B6	826	CLA	C3B-C2B	2.14	1.43	1.40
14	B4	824	CLA	C3B-C2B	2.14	1.43	1.40
14	A3	807	CLA	C3C-C2C	2.14	1.41	1.36
14	A4	814	CLA	MG-NC	2.14	2.11	2.06
16	A2	1652	BCR	C1-C6	2.14	1.56	1.53
14	A5	841	CLA	C1-C2	2.14	1.55	1.49
14	B5	1823	CLA	C3D-C2D	2.14	1.45	1.39
14	A3	839	CLA	MG-NC	2.14	2.11	2.06
14	A6	1627	CLA	C3C-C2C	2.14	1.41	1.36
14	A4	811	CLA	C3D-C2D	2.14	1.45	1.39
14	B1	809	CLA	C3C-C2C	2.14	1.41	1.36
14	A6	1604	CLA	O2A-CGA	2.14	1.39	1.33
14	K3	1401	CLA	C1C-C2C	2.14	1.48	1.44
16	B2	843	BCR	C30-C25	2.14	1.56	1.53
14	B5	1809	CLA	O2A-CGA	2.14	1.39	1.33
14	A1	817	CLA	OBD-CAD	2.14	1.26	1.22
14	J6	1103	CLA	CHD-C4C	2.14	1.44	1.39
14	A1	839	CLA	C3C-C2C	2.14	1.41	1.36
14	B1	827	CLA	C3C-C2C	2.14	1.41	1.36
14	L6	202	CLA	MG-NA	2.14	2.11	2.06
14	B1	830	CLA	O2D-CGD	2.14	1.38	1.33
14	A4	830	CLA	O2A-CGA	2.14	1.39	1.33
14	A5	830	CLA	O2A-CGA	2.14	1.39	1.33
14	B6	805	CLA	C4C-C3C	2.14	1.48	1.45
14	A1	807	CLA	O2A-CGA	2.14	1.39	1.33
14	B4	820	CLA	CHD-C1D	2.14	1.42	1.38
14	B4	815	CLA	O2A-CGA	2.13	1.39	1.33
14	A6	1631	CLA	O2A-CGA	2.13	1.39	1.33
14	B4	826	CLA	C3D-C2D	2.13	1.44	1.39
14	A5	825	CLA	C1C-C2C	2.13	1.48	1.44
14	J4	101	CLA	CHD-C4C	2.13	1.44	1.39
14	B4	824	CLA	MG-NC	2.13	2.11	2.06
16	A4	849	BCR	C1-C6	2.13	1.56	1.53
16	B6	844	BCR	C30-C25	2.13	1.56	1.53
14	A1	828	CLA	C1D-ND	2.13	1.40	1.37
14	A1	828	CLA	OBD-CAD	2.13	1.26	1.22
16	J5	105	BCR	C5-C6	2.13	1.38	1.34
14	A5	801	CLA	C4D-CHA	2.13	1.46	1.38
14	A6	1614	CLA	CHD-C4C	2.13	1.44	1.39
14	L1	207	CLA	C3C-C2C	2.13	1.41	1.36
14	B5	1841	CLA	C3C-C2C	2.13	1.41	1.36
14	A2	1603	CLA	C1D-ND	2.13	1.40	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	J3	104	BCR	C29-C30	2.13	1.59	1.54
14	A5	804	CLA	MG-NC	2.13	2.11	2.06
14	B2	825	CLA	C3B-C2B	2.13	1.43	1.40
14	A3	844	CLA	C3C-C2C	2.13	1.41	1.36
14	A1	812	CLA	C4D-ND	-2.13	1.34	1.37
14	A6	1606	CLA	MG-NC	2.13	2.11	2.06
14	A5	826	CLA	MG-NC	2.13	2.11	2.06
14	F2	204	CLA	CHD-C4C	2.13	1.44	1.39
14	A2	1640	CLA	CHD-C1D	2.13	1.42	1.38
14	A5	834	CLA	CHD-C1D	2.13	1.42	1.38
14	A2	1636	CLA	C1D-ND	2.13	1.40	1.37
14	A5	824	CLA	MG-NC	2.13	2.11	2.06
14	A3	805	CLA	C3C-C2C	2.13	1.41	1.36
14	A5	832	CLA	MG-NA	2.13	2.11	2.06
14	A5	843	CLA	C1C-C2C	2.13	1.48	1.44
14	B6	802	CLA	C1D-ND	2.13	1.40	1.37
14	B3	1806	CLA	C3C-C2C	2.13	1.41	1.36
14	B5	1843	CLA	C3C-C2C	2.13	1.41	1.36
14	A4	807	CLA	O2A-CGA	2.13	1.39	1.33
14	L2	205	CLA	CHD-C1D	2.13	1.42	1.38
14	A1	817	CLA	C3C-C2C	2.13	1.41	1.36
14	A4	812	CLA	C3C-C2C	2.13	1.41	1.36
14	A4	837	CLA	MG-NC	2.13	2.11	2.06
14	B4	810	CLA	MG-NC	2.13	2.11	2.06
14	A1	810	CLA	C3C-C2C	2.13	1.41	1.36
14	A6	1602	CLA	C4D-CHA	2.13	1.46	1.38
14	A5	811	CLA	O2A-CGA	2.13	1.39	1.33
14	A1	814	CLA	CHD-C4C	2.13	1.44	1.39
14	B5	1812	CLA	C1D-ND	2.13	1.40	1.37
14	B3	1835	CLA	CHD-C4C	2.13	1.44	1.39
14	A2	1633	CLA	OBD-CAD	2.13	1.26	1.22
14	L5	206	CLA	C3C-C2C	2.13	1.41	1.36
14	B5	1832	CLA	C3C-C2C	2.13	1.41	1.36
14	A5	838	CLA	MG-NC	2.13	2.11	2.06
14	A2	1638	CLA	C1D-ND	2.13	1.40	1.37
14	A3	826	CLA	MG-NA	2.13	2.11	2.06
14	A4	829	CLA	O2A-CGA	2.13	1.39	1.33
14	J3	102	CLA	C1C-C2C	2.13	1.48	1.44
14	B3	1804	CLA	O2D-CGD	2.13	1.38	1.33
14	B4	802	CLA	CHD-C4C	2.13	1.44	1.39
14	A2	1634	CLA	C3C-C2C	2.13	1.41	1.36
14	B1	837	CLA	MG-NC	2.13	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B1	806	CLA	O2A-CGA	2.13	1.39	1.33
14	B1	841	CLA	MG-NC	2.13	2.11	2.06
14	B6	804	CLA	C1C-C2C	2.13	1.48	1.44
14	A5	826	CLA	MG-NA	2.13	2.11	2.06
14	B4	852	CLA	C3D-C2D	2.13	1.44	1.39
14	A2	1607	CLA	OBD-CAD	2.13	1.26	1.22
14	B3	1825	CLA	C1C-C2C	2.12	1.48	1.44
16	J5	104	BCR	C29-C30	2.12	1.59	1.54
14	A3	808	CLA	C1D-ND	2.12	1.40	1.37
14	B4	840	CLA	C1C-C2C	2.12	1.48	1.44
14	B1	841	CLA	C3C-C2C	2.12	1.41	1.36
14	A3	814	CLA	CHD-C4C	2.12	1.44	1.39
14	A6	1616	CLA	MG-NC	2.12	2.11	2.06
14	B6	834	CLA	MG-NA	2.12	2.11	2.06
14	B5	1819	CLA	CHD-C1D	2.12	1.42	1.38
14	B2	812	CLA	O2A-CGA	2.12	1.39	1.33
14	A4	831	CLA	C3D-C2D	2.12	1.44	1.39
14	B6	838	CLA	C1C-C2C	2.12	1.48	1.44
14	B3	1832	CLA	CHD-C4C	2.12	1.44	1.39
14	B1	811	CLA	OBD-CAD	2.12	1.26	1.22
14	B2	816	CLA	O2A-CGA	2.12	1.39	1.33
14	B5	1828	CLA	C3B-C2B	2.12	1.43	1.40
14	A2	1632	CLA	C1D-ND	2.12	1.40	1.37
14	A1	823	CLA	OBD-CAD	2.12	1.26	1.22
16	B6	844	BCR	C26-C25	2.12	1.38	1.34
14	A2	1627	CLA	MG-NC	2.12	2.11	2.06
14	B6	806	CLA	MG-NA	2.12	2.11	2.06
14	B3	1803	CLA	C3C-C2C	2.12	1.41	1.36
14	B2	815	CLA	C3D-C2D	2.12	1.44	1.39
14	B4	825	CLA	C1C-C2C	2.12	1.48	1.44
14	A6	1635	CLA	C1C-C2C	2.12	1.48	1.44
14	J3	101	CLA	CHD-C4C	2.12	1.44	1.39
14	B1	840	CLA	MG-NC	2.12	2.11	2.06
14	A4	828	CLA	C3C-C2C	2.12	1.41	1.36
14	A1	812	CLA	MG-NA	2.12	2.11	2.06
14	B4	815	CLA	C3D-C2D	2.12	1.44	1.39
14	L2	205	CLA	O2A-CGA	2.12	1.39	1.33
14	J5	101	CLA	CHD-C4C	2.12	1.44	1.39
14	A1	817	CLA	CHD-C1D	2.12	1.42	1.38
14	A3	840	CLA	CHD-C1D	2.12	1.42	1.38
14	A4	836	CLA	C3D-C2D	2.12	1.44	1.39
14	A6	1633	CLA	C1D-ND	2.12	1.40	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B4	815	CLA	MG-NC	2.12	2.11	2.06
14	A2	1619	CLA	OBD-CAD	2.12	1.26	1.22
14	A5	821	CLA	C4B-NB	2.12	1.37	1.35
14	B5	1801	CLA	C1C-C2C	2.12	1.48	1.44
14	B5	1802	CLA	C1D-ND	2.12	1.40	1.37
14	A3	836	CLA	C3C-C2C	2.12	1.41	1.36
14	A4	841	CLA	O2D-CGD	2.12	1.38	1.33
14	B5	1814	CLA	C3D-C2D	2.12	1.44	1.39
14	A6	1614	CLA	C3D-C2D	2.12	1.44	1.39
14	A1	803	CLA	O2A-CGA	2.12	1.39	1.33
14	B3	1831	CLA	O2A-CGA	2.12	1.39	1.33
14	B2	817	CLA	C4B-NB	2.12	1.37	1.35
14	A4	817	CLA	CHD-C1D	2.12	1.42	1.38
14	A2	1624	CLA	C3D-C2D	2.12	1.44	1.39
14	B6	836	CLA	MG-NC	2.12	2.11	2.06
14	B3	1809	CLA	O2A-CGA	2.12	1.39	1.33
14	B6	814	CLA	O2A-CGA	2.12	1.39	1.33
14	B5	1839	CLA	O2A-CGA	2.12	1.39	1.33
14	A4	826	CLA	C5-C3	2.12	1.55	1.51
14	M3	1601	CLA	C1C-C2C	2.12	1.48	1.44
14	A5	819	CLA	C3D-C2D	2.12	1.44	1.39
14	A6	1618	CLA	OBD-CAD	2.12	1.26	1.22
14	A1	826	CLA	C5-C3	2.12	1.55	1.51
14	A5	808	CLA	O2A-CGA	2.12	1.39	1.33
14	B5	1807	CLA	C3C-C2C	2.12	1.41	1.36
14	A2	1633	CLA	O2A-CGA	2.12	1.39	1.33
16	A3	852	BCR	C30-C25	2.12	1.56	1.53
16	A5	850	BCR	C1-C6	2.12	1.56	1.53
14	K1	1401	CLA	C1C-C2C	2.12	1.48	1.44
14	B4	801	CLA	MG-NC	2.12	2.11	2.06
14	A3	819	CLA	CHD-C4C	2.12	1.44	1.39
14	A4	815	CLA	C3C-C2C	2.12	1.41	1.36
14	B4	812	CLA	OBD-CAD	2.12	1.26	1.22
14	A4	831	CLA	MG-NA	2.12	2.11	2.06
14	K4	1401	CLA	C1C-C2C	2.12	1.48	1.44
14	B6	835	CLA	C1C-C2C	2.12	1.48	1.44
16	B4	846	BCR	C26-C25	2.12	1.38	1.34
14	A2	1621	CLA	C1D-ND	2.11	1.40	1.37
14	B6	819	CLA	C1D-ND	2.11	1.40	1.37
16	A3	848	BCR	C30-C25	2.11	1.56	1.53
14	B6	804	CLA	C3D-C2D	2.11	1.44	1.39
14	B3	1815	CLA	O2A-CGA	2.11	1.39	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B6	829	CLA	C3C-C2C	2.11	1.41	1.36
19	B1	850	LMG	O7-C8	-2.11	1.41	1.46
16	J4	104	BCR	C29-C30	2.11	1.59	1.54
14	B3	1816	CLA	O2A-CGA	2.11	1.39	1.33
14	X4	102	CLA	C3D-C2D	2.11	1.44	1.39
14	A2	1637	CLA	C3C-C2C	2.11	1.41	1.36
14	A2	1620	CLA	OBD-CAD	2.11	1.26	1.22
14	A2	1632	CLA	O2A-CGA	2.11	1.39	1.33
16	J2	103	BCR	C29-C30	2.11	1.59	1.54
16	B6	845	BCR	C1-C6	2.11	1.56	1.53
14	B2	812	CLA	C3D-C2D	2.11	1.44	1.39
14	A4	834	CLA	C3D-C2D	2.11	1.44	1.39
14	A1	828	CLA	C3C-C2C	2.11	1.41	1.36
14	A3	833	CLA	C3C-C2C	2.11	1.41	1.36
14	B2	823	CLA	OBD-CAD	2.11	1.26	1.22
14	B3	1807	CLA	C3D-C2D	2.11	1.44	1.39
14	B6	823	CLA	C1C-C2C	2.11	1.48	1.44
14	B6	828	CLA	CHD-C4C	2.11	1.44	1.39
14	A2	1641	CLA	O2A-CGA	2.11	1.39	1.33
14	L5	205	CLA	O2A-CGA	2.11	1.39	1.33
16	J4	103	BCR	C30-C25	2.11	1.56	1.53
14	X5	101	CLA	C3C-C2C	2.11	1.41	1.36
14	A1	829	CLA	O2A-CGA	2.11	1.39	1.33
14	B6	809	CLA	O2A-CGA	2.11	1.39	1.33
14	B2	823	CLA	C1C-C2C	2.11	1.48	1.44
14	B1	811	CLA	C1D-ND	2.11	1.40	1.37
14	B1	836	CLA	OBD-CAD	2.11	1.26	1.22
14	A1	827	CLA	OBD-CAD	2.11	1.26	1.22
14	A4	827	CLA	OBD-CAD	2.11	1.26	1.22
14	B3	1834	CLA	C1D-ND	2.11	1.40	1.37
14	B2	830	CLA	C3D-C2D	2.11	1.44	1.39
14	B4	809	CLA	O2A-CGA	2.11	1.39	1.33
14	B1	825	CLA	C5-C3	2.11	1.55	1.51
14	B3	1820	CLA	O2A-CGA	2.11	1.39	1.33
14	L1	207	CLA	C1C-C2C	2.11	1.48	1.44
14	A3	820	CLA	OBD-CAD	2.11	1.26	1.22
14	B3	1838	CLA	CHD-C1D	2.11	1.42	1.38
14	B5	1815	CLA	C3D-C2D	2.11	1.44	1.39
14	B6	817	CLA	MG-NC	2.11	2.11	2.06
16	J6	1105	BCR	C29-C30	2.11	1.58	1.54
14	A6	1630	CLA	O2A-CGA	2.11	1.39	1.33
16	B3	1847	BCR	C1-C6	2.11	1.56	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B2	825	CLA	CHD-C1D	2.11	1.42	1.38
14	L6	206	CLA	C1B-NB	2.11	1.37	1.35
14	L6	206	CLA	CHD-C1D	2.11	1.42	1.38
14	B6	808	CLA	MG-NA	2.11	2.11	2.06
14	A5	824	CLA	OBD-CAD	2.11	1.26	1.22
14	A2	1640	CLA	MG-NC	2.11	2.11	2.06
14	X4	102	CLA	C1C-C2C	2.11	1.48	1.44
14	A2	1631	CLA	OBD-CAD	2.11	1.26	1.22
14	B6	839	CLA	OBD-CAD	2.11	1.26	1.22
14	B2	804	CLA	C3C-C2C	2.11	1.41	1.36
14	B3	1836	CLA	C1D-ND	2.11	1.40	1.37
14	M1	1201	CLA	C3C-C2C	2.11	1.41	1.36
14	B4	814	CLA	C3D-C2D	2.11	1.44	1.39
14	B3	1818	CLA	MG-NC	2.11	2.11	2.06
14	L2	207	CLA	C3D-C2D	2.11	1.44	1.39
14	B5	1829	CLA	C3C-C2C	2.11	1.41	1.36
14	B4	812	CLA	C1D-ND	2.11	1.40	1.37
14	B5	1839	CLA	C3D-C2D	2.10	1.44	1.39
14	A2	1628	CLA	MG-NA	2.10	2.11	2.06
14	A1	818	CLA	C3C-C2C	2.10	1.41	1.36
14	A6	1618	CLA	C3C-C2C	2.10	1.41	1.36
14	A4	818	CLA	CHD-C4C	2.10	1.44	1.39
14	B4	814	CLA	MG-NC	2.10	2.11	2.06
14	B2	818	CLA	C1C-C2C	2.10	1.48	1.44
14	B4	807	CLA	C3D-C2D	2.10	1.44	1.39
14	A3	812	CLA	C3C-C2C	2.10	1.41	1.36
14	B5	1836	CLA	C3D-C2D	2.10	1.44	1.39
14	B5	1835	CLA	OBD-CAD	2.10	1.26	1.22
14	B4	818	CLA	MG-NC	2.10	2.11	2.06
14	B5	1821	CLA	C1C-C2C	2.10	1.48	1.44
14	B3	1833	CLA	C3D-C2D	2.10	1.44	1.39
14	B1	814	CLA	C3D-C2D	2.10	1.44	1.39
14	B3	1831	CLA	C1D-ND	2.10	1.40	1.37
14	A6	1603	CLA	C1D-ND	2.10	1.40	1.37
14	B1	840	CLA	O2A-CGA	2.10	1.39	1.33
14	B5	1824	CLA	CHD-C4C	2.10	1.44	1.39
14	B1	854	CLA	C4D-ND	-2.10	1.34	1.37
14	L6	203	CLA	C3C-C2C	2.10	1.41	1.36
14	A6	1605	CLA	OBD-CAD	2.10	1.26	1.22
14	A4	814	CLA	CHD-C4C	2.10	1.44	1.39
14	B4	832	CLA	C1D-ND	2.10	1.40	1.37
14	A3	826	CLA	C3C-C2C	2.10	1.41	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A4	838	CLA	CHD-C1D	2.10	1.42	1.38
14	B4	838	CLA	MG-NC	2.10	2.11	2.06
14	B1	832	CLA	C3D-C2D	2.10	1.44	1.39
14	A6	1612	CLA	C3D-C2D	2.10	1.44	1.39
14	A6	1635	CLA	C3C-C2C	2.10	1.41	1.36
14	B5	1827	CLA	C3B-C2B	2.10	1.43	1.40
14	A3	808	CLA	O2A-CGA	2.10	1.39	1.33
14	A5	825	CLA	C1D-ND	2.10	1.40	1.37
14	B4	816	CLA	O2A-CGA	2.10	1.39	1.33
14	A3	843	CLA	O2D-CGD	2.10	1.38	1.33
14	B6	810	CLA	OBD-CAD	2.10	1.26	1.22
14	B2	830	CLA	OBD-CAD	2.10	1.26	1.22
14	B4	831	CLA	O2D-CGD	2.10	1.38	1.33
14	B1	841	CLA	C1D-ND	2.10	1.40	1.37
14	A6	1630	CLA	C1D-ND	2.10	1.40	1.37
14	B2	813	CLA	O2A-CGA	2.10	1.39	1.33
14	A3	845	CLA	C1C-C2C	2.10	1.48	1.44
14	B5	1832	CLA	C4B-NB	2.10	1.37	1.35
14	B6	818	CLA	O2A-CGA	2.10	1.39	1.33
14	A5	819	CLA	CHD-C4C	2.10	1.44	1.39
14	B3	1833	CLA	OBD-CAD	2.10	1.26	1.22
14	B2	808	CLA	O2A-CGA	2.10	1.39	1.33
14	J1	102	CLA	C1C-C2C	2.10	1.48	1.44
14	B3	1840	CLA	C1C-C2C	2.10	1.48	1.44
14	A4	834	CLA	C1C-C2C	2.10	1.48	1.44
14	B3	1815	CLA	C3B-C2B	2.09	1.43	1.40
14	B6	827	CLA	C3C-C2C	2.09	1.41	1.36
14	B2	835	CLA	MG-NC	2.09	2.11	2.06
14	B5	1802	CLA	CHD-C4C	2.09	1.44	1.39
14	A5	812	CLA	C3D-C2D	2.09	1.44	1.39
14	A5	829	CLA	C3D-C2D	2.09	1.44	1.39
14	B1	832	CLA	OBD-CAD	2.09	1.26	1.22
14	B5	1843	CLA	C1D-ND	2.09	1.40	1.37
16	B5	1849	BCR	C30-C25	2.09	1.56	1.53
14	A2	1644	CLA	C3C-C2C	2.09	1.41	1.36
14	A4	821	CLA	C3D-C2D	2.09	1.44	1.39
14	L3	205	CLA	C1C-C2C	2.09	1.48	1.44
14	B5	1822	CLA	C3D-C2D	2.09	1.44	1.39
14	B3	1811	CLA	OBD-CAD	2.09	1.26	1.22
14	B5	1835	CLA	CHD-C4C	2.09	1.44	1.39
14	A5	827	CLA	MG-NA	2.09	2.11	2.06
14	B4	811	CLA	OBD-CAD	2.09	1.26	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B3	1826	CLA	C3D-C2D	2.09	1.44	1.39
14	A6	1634	CLA	C4B-NB	2.09	1.37	1.35
14	B2	811	CLA	C3D-C2D	2.09	1.44	1.39
16	B3	1845	BCR	C1-C6	2.09	1.56	1.53
14	L5	202	CLA	C1C-C2C	2.09	1.48	1.44
14	B3	1814	CLA	C3D-C2D	2.09	1.44	1.39
14	B1	802	CLA	CHD-C4C	2.09	1.44	1.39
14	B2	835	CLA	C1C-C2C	2.09	1.48	1.44
14	B3	1841	CLA	O2A-CGA	2.09	1.39	1.33
14	B6	817	CLA	O2A-CGA	2.09	1.39	1.33
14	A4	835	CLA	C3C-C2C	2.09	1.41	1.36
14	B5	1810	CLA	MG-NA	2.09	2.11	2.06
14	A2	1626	CLA	OBD-CAD	2.09	1.26	1.22
14	B4	841	CLA	OBD-CAD	2.09	1.26	1.22
14	B5	1818	CLA	C3D-C2D	2.09	1.44	1.39
14	A1	811	CLA	C3C-C2C	2.09	1.41	1.36
14	B5	1826	CLA	C3D-C2D	2.09	1.44	1.39
14	A2	1620	CLA	CHD-C1D	2.09	1.42	1.38
14	A4	839	CLA	CHD-C1D	2.09	1.42	1.38
14	B1	853	CLA	C1C-C2C	2.09	1.48	1.44
14	B5	1807	CLA	MG-NC	2.09	2.11	2.06
14	A3	830	CLA	OBD-CAD	2.09	1.26	1.22
14	B4	807	CLA	OBD-CAD	2.09	1.26	1.22
16	F1	1302	BCR	C30-C25	2.09	1.56	1.53
14	B6	829	CLA	C4B-NB	2.09	1.37	1.35
14	F6	202	CLA	C3D-C2D	2.09	1.44	1.39
14	A4	816	CLA	CHD-C1D	2.09	1.42	1.38
14	B1	854	CLA	OBD-CAD	2.09	1.26	1.22
14	B5	1811	CLA	OBD-CAD	2.09	1.26	1.22
14	B4	823	CLA	C1D-ND	2.09	1.40	1.37
16	A2	1651	BCR	C1-C6	2.09	1.56	1.53
14	B6	822	CLA	CHD-C4C	2.09	1.44	1.39
14	J2	101	CLA	C3D-C2D	2.09	1.44	1.39
14	B3	1831	CLA	C3C-C2C	2.09	1.41	1.36
19	B4	851	LMG	O7-C8	-2.09	1.41	1.46
14	A5	816	CLA	MG-NC	2.09	2.11	2.06
14	L2	205	CLA	C1B-NB	2.09	1.37	1.35
14	B1	825	CLA	C3D-C2D	2.09	1.44	1.39
14	B4	839	CLA	O2A-CGA	2.09	1.39	1.33
16	A2	1652	BCR	C30-C25	2.09	1.56	1.53
14	A1	806	CLA	CHD-C1D	2.09	1.42	1.38
14	B5	1832	CLA	C1D-ND	2.08	1.40	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B4	818	CLA	C3D-C2D	2.08	1.44	1.39
14	B6	818	CLA	CHD-C1D	2.08	1.42	1.38
14	B2	824	CLA	MG-NC	2.08	2.11	2.06
14	A4	835	CLA	CHD-C1D	2.08	1.42	1.38
14	B6	826	CLA	C3D-C2D	2.08	1.44	1.39
14	B5	1812	CLA	OBD-CAD	2.08	1.26	1.22
14	A4	805	CLA	C3D-C2D	2.08	1.44	1.39
14	B4	830	CLA	CHD-C4C	2.08	1.44	1.39
14	B1	812	CLA	MG-NC	2.08	2.11	2.06
14	B2	840	CLA	MG-NC	2.08	2.11	2.06
14	B4	843	CLA	MG-NC	2.08	2.11	2.06
14	A2	1614	CLA	C3D-C2D	2.08	1.44	1.39
14	L4	205	CLA	C1B-NB	2.08	1.37	1.35
14	A4	804	CLA	CHD-C4C	2.08	1.44	1.39
14	A3	828	CLA	C3C-C2C	2.08	1.41	1.36
14	B5	1833	CLA	C3D-C2D	2.08	1.44	1.39
14	B6	806	CLA	MG-NC	2.08	2.11	2.06
14	B4	806	CLA	MG-NC	2.08	2.11	2.06
14	A6	1608	CLA	O2A-CGA	2.08	1.39	1.33
14	A3	843	CLA	C4B-NB	2.08	1.37	1.35
14	B3	1829	CLA	C3C-C2C	2.08	1.41	1.36
14	B4	841	CLA	C3C-C2C	2.08	1.41	1.36
14	B2	809	CLA	OBD-CAD	2.08	1.26	1.22
14	B6	806	CLA	CHD-C1D	2.08	1.42	1.38
14	B1	801	CLA	C4C-C3C	2.08	1.48	1.45
14	A6	1608	CLA	C1D-ND	2.08	1.40	1.37
14	B5	1841	CLA	O2A-CGA	2.08	1.39	1.33
14	B2	801	CLA	C3C-C2C	2.08	1.41	1.36
14	A2	1602	CLA	MG-NC	2.08	2.11	2.06
14	F4	202	CLA	C3C-C2C	2.08	1.41	1.36
14	L5	206	CLA	C3D-C2D	2.08	1.44	1.39
14	B2	817	CLA	CHD-C1D	2.08	1.42	1.38
14	B1	835	CLA	C3D-C2D	2.08	1.44	1.39
14	B3	1822	CLA	C3D-C2D	2.08	1.44	1.39
14	B6	831	CLA	C3D-C2D	2.08	1.44	1.39
14	A4	833	CLA	MG-NC	2.08	2.11	2.06
14	B3	1823	CLA	C3D-C2D	2.08	1.44	1.39
14	B3	1813	CLA	MG-NC	2.08	2.11	2.06
14	B6	809	CLA	OBD-CAD	2.08	1.26	1.22
14	A6	1601	CLA	C1C-C2C	2.08	1.48	1.44
14	K5	102	CLA	C1C-C2C	2.08	1.48	1.44
14	B2	815	CLA	MG-NC	2.08	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B3	1811	CLA	C1D-ND	2.08	1.40	1.37
14	B3	1818	CLA	C3C-C2C	2.08	1.41	1.36
14	L6	206	CLA	O2A-CGA	2.08	1.39	1.33
14	A3	822	CLA	MG-NC	2.08	2.11	2.06
16	A3	851	BCR	C1-C6	2.08	1.56	1.53
14	L3	204	CLA	O2A-CGA	2.08	1.39	1.33
14	B4	820	CLA	O2A-CGA	2.08	1.39	1.33
14	L4	204	CLA	O2A-CGA	2.08	1.39	1.33
14	A1	826	CLA	MG-NA	2.08	2.11	2.06
14	B5	1802	CLA	MG-NA	2.08	2.11	2.06
14	B1	837	CLA	C1C-C2C	2.08	1.48	1.44
14	J6	1102	CLA	C1C-C2C	2.08	1.48	1.44
14	B5	1830	CLA	CHD-C4C	2.08	1.44	1.39
14	B1	836	CLA	C1C-C2C	2.08	1.48	1.44
14	L1	207	CLA	C3D-C2D	2.08	1.44	1.39
14	B6	805	CLA	C3D-C2D	2.08	1.44	1.39
14	B1	839	CLA	CHD-C4C	2.08	1.44	1.39
14	A6	1634	CLA	MG-NC	2.08	2.11	2.06
14	B4	833	CLA	C3D-C2D	2.08	1.44	1.39
14	A4	823	CLA	OBD-CAD	2.08	1.26	1.22
14	F1	1301	CLA	C3D-C2D	2.08	1.44	1.39
14	A5	829	CLA	C3C-C2C	2.08	1.41	1.36
14	B4	810	CLA	MG-NA	2.07	2.11	2.06
14	B4	807	CLA	CHD-C1D	2.07	1.42	1.38
14	A4	807	CLA	C1D-ND	2.07	1.40	1.37
14	B4	827	CLA	C3B-C2B	2.07	1.43	1.40
14	B2	837	CLA	C1C-C2C	2.07	1.48	1.44
14	X5	101	CLA	C3D-C2D	2.07	1.44	1.39
14	A3	804	CLA	O2A-CGA	2.07	1.39	1.33
14	K6	1401	CLA	C3D-C2D	2.07	1.44	1.39
14	A4	841	CLA	C3C-C2C	2.07	1.41	1.36
14	B2	822	CLA	C3D-C2D	2.07	1.44	1.39
14	B3	1815	CLA	C3D-C2D	2.07	1.44	1.39
14	A4	829	CLA	C1C-C2C	2.07	1.48	1.44
16	B2	844	BCR	C1-C6	2.07	1.56	1.53
14	B2	803	CLA	O2A-CGA	2.07	1.39	1.33
14	A6	1625	CLA	MG-NC	2.07	2.11	2.06
14	B3	1802	CLA	MG-NA	2.07	2.11	2.06
14	A3	829	CLA	C3D-C2D	2.07	1.44	1.39
14	A2	1617	CLA	C4B-NB	2.07	1.37	1.35
14	B6	804	CLA	C3C-C2C	2.07	1.41	1.36
14	B2	804	CLA	CHD-C1D	2.07	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	B2	846	BCR	C30-C25	2.07	1.56	1.53
14	B4	829	CLA	C3C-C2C	2.07	1.41	1.36
14	K2	1401	CLA	C1C-C2C	2.07	1.48	1.44
14	A5	808	CLA	C1C-C2C	2.07	1.48	1.44
14	A1	833	CLA	C3D-C2D	2.07	1.44	1.39
14	A2	1610	CLA	C1D-ND	2.07	1.40	1.37
14	B1	822	CLA	C3D-C2D	2.07	1.44	1.39
14	A3	815	CLA	MG-NC	2.07	2.11	2.06
14	I6	101	CLA	C3D-C2D	2.07	1.44	1.39
14	B4	826	CLA	CHD-C4C	2.07	1.44	1.39
19	B2	848	LMG	O7-C8	-2.07	1.41	1.46
14	B2	829	CLA	C3C-C2C	2.07	1.41	1.36
14	B2	833	CLA	C3D-C2D	2.07	1.44	1.39
14	A6	1637	CLA	C3D-C2D	2.07	1.44	1.39
14	A1	826	CLA	O2D-CGD	2.07	1.38	1.33
14	A2	1606	CLA	O2A-CGA	2.07	1.39	1.33
14	A1	832	CLA	MG-NC	2.07	2.11	2.06
14	A2	1634	CLA	MG-NA	2.07	2.11	2.06
14	A4	818	CLA	C3C-C2C	2.07	1.41	1.36
14	J6	1102	CLA	CHD-C4C	2.07	1.43	1.39
14	A2	1616	CLA	C3D-C2D	2.07	1.44	1.39
14	A1	832	CLA	CHD-C1D	2.07	1.42	1.38
14	A3	823	CLA	C3C-C2C	2.07	1.41	1.36
16	B1	844	BCR	C26-C25	2.07	1.38	1.34
14	A1	825	CLA	MG-NA	2.07	2.11	2.06
14	B4	836	CLA	MG-NA	2.07	2.11	2.06
14	B4	821	CLA	C3D-C2D	2.07	1.44	1.39
14	A2	1613	CLA	C3C-C2C	2.07	1.41	1.36
14	A2	1627	CLA	C1C-C2C	2.07	1.48	1.44
14	B2	821	CLA	CHD-C4C	2.07	1.43	1.39
14	K6	1401	CLA	C1C-C2C	2.07	1.48	1.44
14	B6	805	CLA	CHD-C4C	2.07	1.43	1.39
14	A4	839	CLA	C3C-C2C	2.07	1.41	1.36
14	A2	1631	CLA	C3C-C2C	2.07	1.41	1.36
14	B1	838	CLA	O2A-CGA	2.06	1.39	1.33
15	B2	841	PQN	C11-C12	2.06	1.53	1.50
14	B4	840	CLA	CHD-C4C	2.06	1.43	1.39
14	A6	1618	CLA	MG-NC	2.06	2.11	2.06
14	X5	101	CLA	C1C-C2C	2.06	1.48	1.44
14	A3	831	CLA	MG-NA	2.06	2.11	2.06
14	L4	201	CLA	MG-NC	2.06	2.11	2.06
14	A5	807	CLA	CHD-C1D	2.06	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A2	1621	CLA	C2-C3	2.06	1.37	1.33
14	A5	814	CLA	CHD-C4C	2.06	1.43	1.39
14	A3	828	CLA	OBD-CAD	2.06	1.26	1.22
14	B6	820	CLA	C3D-C2D	2.06	1.44	1.39
16	B3	1846	BCR	C30-C25	2.06	1.56	1.53
14	A6	1638	CLA	MG-NC	2.06	2.11	2.06
14	A2	1634	CLA	C3D-C2D	2.06	1.44	1.39
14	A3	819	CLA	C3C-C2C	2.06	1.41	1.36
14	B5	1811	CLA	C1D-ND	2.06	1.40	1.37
14	B5	1831	CLA	C1D-ND	2.06	1.40	1.37
14	J3	101	CLA	C3D-C2D	2.06	1.44	1.39
14	A6	1615	CLA	C4B-NB	2.06	1.37	1.35
16	B6	847	BCR	C30-C25	2.06	1.56	1.53
14	A1	839	CLA	C3D-C2D	2.06	1.44	1.39
14	B3	1805	CLA	C3D-C2D	2.06	1.44	1.39
14	A5	835	CLA	C1C-C2C	2.06	1.48	1.44
16	A3	852	BCR	C1-C6	2.06	1.56	1.53
14	A1	824	CLA	MG-NC	2.06	2.11	2.06
14	B1	829	CLA	C1C-C2C	2.06	1.48	1.44
14	B1	831	CLA	C1D-ND	2.06	1.40	1.37
14	B1	836	CLA	MG-NC	2.06	2.11	2.06
14	A1	813	CLA	MG-NC	2.06	2.11	2.06
14	B4	841	CLA	O2A-CGA	2.06	1.39	1.33
14	A2	1618	CLA	C1C-C2C	2.06	1.48	1.44
14	A2	1604	CLA	C1D-ND	2.06	1.40	1.37
14	A4	833	CLA	C1D-ND	2.06	1.40	1.37
16	A6	1647	BCR	C1-C6	2.06	1.56	1.53
14	A6	1622	CLA	MG-NC	2.06	2.11	2.06
14	B4	808	CLA	C4B-NB	2.06	1.37	1.35
14	A3	835	CLA	CHD-C1D	2.06	1.42	1.38
14	A5	802	CLA	C1D-ND	2.06	1.40	1.37
14	A5	836	CLA	CHD-C1D	2.06	1.42	1.38
14	B5	1838	CLA	C1C-C2C	2.06	1.48	1.44
14	A2	1617	CLA	MG-NC	2.06	2.11	2.06
14	A5	839	CLA	CHD-C1D	2.06	1.42	1.38
14	A1	839	CLA	C1C-C2C	2.06	1.48	1.44
14	F2	204	CLA	C1C-C2C	2.06	1.48	1.44
14	A4	825	CLA	OBD-CAD	2.06	1.26	1.22
14	B4	833	CLA	OBD-CAD	2.06	1.26	1.22
14	B6	839	CLA	O2A-CGA	2.06	1.39	1.33
14	A2	1619	CLA	CHD-C1D	2.06	1.42	1.38
14	A2	1639	CLA	C3D-C2D	2.06	1.44	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A2	1604	CLA	CHD-C4C	2.06	1.43	1.39
14	B6	821	CLA	C3D-C2D	2.06	1.44	1.39
14	A1	810	CLA	CHD-C1D	2.06	1.42	1.38
14	L6	208	CLA	C1C-C2C	2.06	1.48	1.44
14	B1	823	CLA	CHD-C4C	2.06	1.43	1.39
14	A2	1621	CLA	CHD-C4C	2.06	1.43	1.39
14	B2	823	CLA	CHD-C4C	2.06	1.43	1.39
14	B6	841	CLA	MG-NC	2.06	2.11	2.06
14	B1	836	CLA	C3D-C2D	2.06	1.44	1.39
14	A5	821	CLA	OBD-CAD	2.05	1.26	1.22
14	B5	1817	CLA	C3C-C2C	2.05	1.41	1.36
14	A3	825	CLA	C1C-C2C	2.05	1.48	1.44
14	B1	807	CLA	C3D-C2D	2.05	1.44	1.39
14	B2	815	CLA	C3C-C2C	2.05	1.41	1.36
14	A6	1622	CLA	C3D-C2D	2.05	1.44	1.39
14	A2	1639	CLA	MG-NC	2.05	2.11	2.06
14	A6	1614	CLA	MG-NC	2.05	2.11	2.06
14	B2	817	CLA	C3C-C2C	2.05	1.41	1.36
14	A3	818	CLA	C3C-C2C	2.05	1.41	1.36
14	B4	818	CLA	C3C-C2C	2.05	1.41	1.36
14	A2	1610	CLA	O2A-CGA	2.05	1.39	1.33
14	B3	1812	CLA	OBD-CAD	2.05	1.26	1.22
14	A2	1644	CLA	C1D-ND	2.05	1.40	1.37
14	A1	839	CLA	OBD-CAD	2.05	1.26	1.22
14	A5	842	CLA	C3C-C2C	2.05	1.41	1.36
14	A3	839	CLA	CHD-C4C	2.05	1.43	1.39
19	B3	1850	LMG	O7-C8	-2.05	1.41	1.46
14	A1	830	CLA	O2A-CGA	2.05	1.39	1.33
14	B2	820	CLA	C3D-C2D	2.05	1.44	1.39
14	A6	1605	CLA	CHD-C4C	2.05	1.43	1.39
14	A4	818	CLA	C3B-C2B	2.05	1.43	1.40
14	L4	205	CLA	C3C-C2C	2.05	1.41	1.36
14	J4	102	CLA	C1C-C2C	2.05	1.48	1.44
14	B4	834	CLA	C1D-ND	2.05	1.40	1.37
16	J2	102	BCR	C1-C6	2.05	1.56	1.53
14	L2	206	CLA	O2A-CGA	2.05	1.39	1.33
14	B3	1825	CLA	C3D-C2D	2.05	1.44	1.39
14	A6	1627	CLA	C5-C3	2.05	1.55	1.51
14	A3	843	CLA	C3C-C2C	2.05	1.41	1.36
14	A4	814	CLA	C3D-C2D	2.05	1.44	1.39
14	A6	1629	CLA	C3C-C2C	2.05	1.41	1.36
14	A2	1638	CLA	CHD-C1D	2.05	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	J2	103	BCR	C30-C25	2.05	1.56	1.53
19	B6	848	LMG	O7-C8	-2.05	1.41	1.46
14	A6	1613	CLA	C3D-C2D	2.05	1.44	1.39
14	A2	1644	CLA	CHD-C1D	2.05	1.42	1.38
14	A3	816	CLA	C1C-C2C	2.05	1.48	1.44
14	A2	1642	CLA	C3C-C2C	2.05	1.41	1.36
14	B6	816	CLA	MG-NC	2.05	2.11	2.06
14	B3	1824	CLA	CHD-C4C	2.05	1.43	1.39
14	B3	1830	CLA	CHD-C4C	2.05	1.43	1.39
14	M6	1201	CLA	C3C-C2C	2.05	1.41	1.36
14	A3	805	CLA	CHD-C4C	2.05	1.43	1.39
14	A2	1628	CLA	C1D-ND	2.05	1.40	1.37
14	L6	208	CLA	C3D-C2D	2.05	1.44	1.39
14	B2	838	CLA	OBD-CAD	2.05	1.26	1.22
14	B2	837	CLA	CHD-C4C	2.05	1.43	1.39
14	B2	838	CLA	C3C-C2C	2.05	1.41	1.36
16	J1	103	BCR	C30-C25	2.05	1.56	1.53
14	A4	813	CLA	C1C-C2C	2.05	1.48	1.44
14	B6	830	CLA	C3C-C2C	2.05	1.41	1.36
16	B6	843	BCR	C1-C6	2.05	1.56	1.53
14	B6	825	CLA	C4B-NB	2.05	1.37	1.35
14	A2	1627	CLA	C1D-ND	2.05	1.40	1.37
14	B3	1810	CLA	MG-NA	2.05	2.11	2.06
14	L4	203	CLA	O2A-CGA	2.05	1.39	1.33
14	A5	818	CLA	C3C-C2C	2.05	1.41	1.36
14	B2	811	CLA	MG-NC	2.04	2.11	2.06
14	B6	811	CLA	MG-NC	2.04	2.11	2.06
14	A1	832	CLA	C1D-ND	2.04	1.40	1.37
14	A4	804	CLA	OBD-CAD	2.04	1.26	1.22
14	A5	818	CLA	MG-NC	2.04	2.11	2.06
14	A2	1630	CLA	OBD-CAD	2.04	1.26	1.22
14	A5	832	CLA	C3D-C2D	2.04	1.44	1.39
14	B5	1839	CLA	MG-NC	2.04	2.11	2.06
14	F1	1301	CLA	C3C-C2C	2.04	1.41	1.36
14	A2	1629	CLA	C5-C3	2.04	1.55	1.51
14	A3	815	CLA	C4B-NB	2.04	1.37	1.35
14	B1	817	CLA	C3C-C2C	2.04	1.41	1.36
14	B5	1808	CLA	MG-NC	2.04	2.11	2.06
14	B1	815	CLA	C1C-C2C	2.04	1.48	1.44
14	L3	202	CLA	C1C-C2C	2.04	1.48	1.44
16	F3	201	BCR	C5-C6	2.04	1.38	1.34
14	B5	1841	CLA	MG-NC	2.04	2.11	2.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	K4	1401	CLA	C3D-C2D	2.04	1.44	1.39
16	M6	1202	BCR	C1-C6	2.04	1.56	1.53
14	B2	814	CLA	C3C-C2C	2.04	1.41	1.36
14	B6	831	CLA	OBD-CAD	2.04	1.26	1.22
14	A3	812	CLA	C3D-C2D	2.04	1.44	1.39
14	A4	836	CLA	C3C-C2C	2.04	1.41	1.36
14	B6	826	CLA	C3C-C2C	2.04	1.41	1.36
14	A4	815	CLA	C1C-C2C	2.04	1.48	1.44
14	B1	840	CLA	CHD-C1D	2.04	1.42	1.38
15	B6	842	PQN	C11-C12	2.04	1.53	1.50
14	B1	820	CLA	C1C-C2C	2.04	1.48	1.44
14	B5	1841	CLA	CHD-C1D	2.04	1.42	1.38
16	B1	845	BCR	C30-C25	2.04	1.56	1.53
14	L1	206	CLA	MG-NC	2.04	2.11	2.06
14	K2	1401	CLA	C3D-C2D	2.04	1.44	1.39
14	A3	830	CLA	C1C-C2C	2.04	1.48	1.44
14	B1	830	CLA	C3D-C2D	2.04	1.44	1.39
14	B2	828	CLA	C3C-C2C	2.04	1.41	1.36
14	B1	821	CLA	C3D-C2D	2.04	1.44	1.39
14	B3	1840	CLA	C3D-C2D	2.04	1.44	1.39
16	J4	103	BCR	C1-C6	2.04	1.56	1.53
14	B4	803	CLA	C1B-NB	2.04	1.37	1.35
16	B6	845	BCR	C5-C6	2.04	1.38	1.34
14	A4	833	CLA	CHD-C1D	2.04	1.42	1.38
14	A5	813	CLA	C3C-C2C	2.04	1.41	1.36
14	B1	853	CLA	C3D-C2D	2.04	1.44	1.39
14	B5	1818	CLA	C5-C3	2.04	1.55	1.51
14	B1	801	CLA	MG-NC	2.04	2.11	2.06
14	A1	818	CLA	C2-C3	2.04	1.37	1.33
14	L2	207	CLA	C1C-C2C	2.04	1.48	1.44
14	A1	816	CLA	CHD-C1D	2.04	1.42	1.38
14	B1	803	CLA	CHD-C1D	2.04	1.42	1.38
14	F2	202	CLA	C3C-C2C	2.04	1.41	1.36
14	A2	1603	CLA	MG-NC	2.04	2.11	2.06
14	A1	811	CLA	C3D-C2D	2.04	1.44	1.39
14	B6	823	CLA	C3D-C2D	2.04	1.44	1.39
14	B1	806	CLA	C3D-C2D	2.04	1.44	1.39
16	A5	849	BCR	C1-C6	2.04	1.56	1.53
14	B6	834	CLA	C3D-C2D	2.04	1.44	1.39
14	B3	1801	CLA	C1C-C2C	2.04	1.48	1.44
14	A1	820	CLA	OBD-CAD	2.04	1.26	1.22
14	A2	1605	CLA	C3C-C2C	2.04	1.41	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	L3	203	CLA	C3C-C2C	2.04	1.41	1.36
14	A6	1611	CLA	C3C-C2C	2.04	1.41	1.36
14	A1	829	CLA	C1D-ND	2.04	1.40	1.37
14	A6	1628	CLA	C4B-NB	2.03	1.37	1.35
14	B1	817	CLA	C3D-C2D	2.03	1.44	1.39
14	A2	1636	CLA	CHD-C1D	2.03	1.42	1.38
14	A1	835	CLA	C3D-C2D	2.03	1.44	1.39
14	A6	1621	CLA	C4B-NB	2.03	1.37	1.35
14	A3	815	CLA	C3D-C2D	2.03	1.44	1.39
14	A1	801	CLA	MG-NC	2.03	2.11	2.06
14	A2	1605	CLA	O2D-CGD	2.03	1.38	1.33
14	A1	825	CLA	OBD-CAD	2.03	1.26	1.22
14	A6	1614	CLA	C1C-C2C	2.03	1.48	1.44
14	B6	819	CLA	C1C-C2C	2.03	1.48	1.44
14	A3	811	CLA	C3C-C2C	2.03	1.41	1.36
14	A6	1630	CLA	C3D-C2D	2.03	1.44	1.39
14	K1	1401	CLA	C3D-C2D	2.03	1.44	1.39
14	A6	1619	CLA	C2-C3	2.03	1.37	1.33
14	A5	837	CLA	MG-NC	2.03	2.11	2.06
14	B3	1832	CLA	C1D-ND	2.03	1.40	1.37
14	A5	830	CLA	C1D-ND	2.03	1.40	1.37
16	F3	203	BCR	C30-C25	2.03	1.56	1.53
14	A5	827	CLA	C5-C3	2.03	1.55	1.51
14	B3	1801	CLA	C3D-C2D	2.03	1.44	1.39
14	B3	1828	CLA	CHD-C1D	2.03	1.42	1.38
14	B5	1806	CLA	CHD-C1D	2.03	1.42	1.38
14	B1	807	CLA	MG-NC	2.03	2.11	2.06
14	A1	835	CLA	C3C-C2C	2.03	1.41	1.36
14	B1	824	CLA	C3D-C2D	2.03	1.44	1.39
14	B5	1801	CLA	C3D-C2D	2.03	1.44	1.39
14	B4	837	CLA	C1D-ND	2.03	1.40	1.37
14	A6	1615	CLA	C3D-C2D	2.03	1.44	1.39
14	A5	816	CLA	C1C-C2C	2.03	1.48	1.44
14	B1	817	CLA	MG-NC	2.03	2.11	2.06
14	A4	806	CLA	CHD-C1D	2.03	1.42	1.38
14	B3	1807	CLA	CHD-C1D	2.03	1.42	1.38
14	B3	1814	CLA	MG-NC	2.03	2.11	2.06
14	B5	1825	CLA	MG-NC	2.03	2.11	2.06
14	A2	1637	CLA	C1C-C2C	2.03	1.48	1.44
14	B3	1841	CLA	OBD-CAD	2.03	1.26	1.22
14	B5	1837	CLA	C3D-C2D	2.03	1.44	1.39
16	J4	104	BCR	C30-C25	2.03	1.56	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A2	1623	CLA	OBD-CAD	2.03	1.26	1.22
14	L2	202	CLA	MG-NC	2.03	2.11	2.06
14	B5	1838	CLA	C3D-C2D	2.03	1.44	1.39
16	B3	1851	BCR	C5-C6	2.03	1.37	1.34
14	A1	815	CLA	C3C-C2C	2.03	1.41	1.36
14	L1	202	CLA	C3C-C2C	2.03	1.41	1.36
14	B2	817	CLA	O2A-CGA	2.03	1.39	1.33
14	A1	834	CLA	CHD-C1D	2.03	1.42	1.38
14	B5	1814	CLA	MG-NC	2.03	2.11	2.06
14	A1	818	CLA	CHD-C4C	2.03	1.43	1.39
14	A2	1615	CLA	C3D-C2D	2.03	1.44	1.39
14	A3	832	CLA	C3D-C2D	2.03	1.44	1.39
14	B4	838	CLA	C1C-C2C	2.03	1.48	1.44
14	A2	1624	CLA	MG-NC	2.03	2.11	2.06
14	L1	201	CLA	C3D-C2D	2.03	1.44	1.39
14	B4	836	CLA	C3D-C2D	2.03	1.44	1.39
14	B2	807	CLA	MG-NA	2.03	2.11	2.06
14	X2	1701	CLA	C1C-C2C	2.03	1.48	1.44
14	F3	202	CLA	C1C-C2C	2.03	1.48	1.44
14	A6	1651	CLA	C4C-C3C	2.03	1.48	1.45
14	B4	826	CLA	C5-C3	2.02	1.55	1.51
14	A5	827	CLA	O2D-CGD	2.02	1.38	1.33
14	A5	842	CLA	OBD-CAD	2.02	1.26	1.22
14	A5	802	CLA	MG-NC	2.02	2.11	2.06
14	A6	1616	CLA	C1C-C2C	2.02	1.48	1.44
14	B6	807	CLA	C4B-NB	2.02	1.37	1.35
14	L1	206	CLA	O2A-CGA	2.02	1.39	1.33
14	A5	815	CLA	C3D-C2D	2.02	1.44	1.39
14	A6	1626	CLA	MG-NA	2.02	2.11	2.06
14	A1	819	CLA	CHD-C1D	2.02	1.42	1.38
14	B1	807	CLA	CHD-C1D	2.02	1.42	1.38
14	J6	1103	CLA	C1C-C2C	2.02	1.48	1.44
14	B5	1838	CLA	MG-NC	2.02	2.11	2.06
16	B1	844	BCR	C7-C6	2.02	1.52	1.45
14	B2	832	CLA	CHD-C4C	2.02	1.43	1.39
14	B4	827	CLA	CHD-C4C	2.02	1.43	1.39
14	A6	1613	CLA	C3C-C2C	2.02	1.41	1.36
14	B4	805	CLA	MG-NC	2.02	2.11	2.06
14	A5	822	CLA	C3D-C2D	2.02	1.44	1.39
14	A5	811	CLA	C3C-C2C	2.02	1.41	1.36
14	B3	1837	CLA	C1C-C2C	2.02	1.48	1.44
14	B4	803	CLA	C3D-C2D	2.02	1.44	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A4	803	CLA	MG-NC	2.02	2.11	2.06
14	A5	830	CLA	C1C-C2C	2.02	1.48	1.44
14	B5	1826	CLA	CHD-C4C	2.02	1.43	1.39
14	A3	802	CLA	MG-NC	2.02	2.11	2.06
14	L3	203	CLA	O2D-CGD	2.02	1.38	1.33
14	A4	826	CLA	O2D-CGD	2.02	1.38	1.33
14	A4	801	CLA	C3C-C2C	2.02	1.41	1.36
14	A6	1651	CLA	C1D-ND	2.02	1.40	1.37
14	M1	1201	CLA	OBD-CAD	2.02	1.26	1.22
14	B1	835	CLA	MG-NC	2.02	2.11	2.06
14	B6	824	CLA	C5-C3	2.02	1.55	1.51
16	B5	1846	BCR	C26-C25	2.02	1.37	1.34
14	A3	836	CLA	C3D-C2D	2.02	1.44	1.39
14	A5	803	CLA	C3C-C2C	2.02	1.41	1.36
14	B6	802	CLA	MG-NC	2.02	2.11	2.06
14	B3	1826	CLA	OBD-CAD	2.02	1.26	1.22
14	B3	1838	CLA	C1C-C2C	2.02	1.48	1.44
14	B6	836	CLA	C1C-C2C	2.02	1.48	1.44
14	A1	836	CLA	C3D-C2D	2.02	1.44	1.39
14	A6	1625	CLA	C1C-C2C	2.02	1.48	1.44
14	B3	1805	CLA	CHD-C4C	2.02	1.43	1.39
14	B1	827	CLA	CHD-C1D	2.02	1.42	1.38
16	B5	1846	BCR	C7-C6	2.02	1.52	1.45
14	B1	840	CLA	C3C-C2C	2.02	1.41	1.36
14	B3	1818	CLA	C5-C3	2.02	1.55	1.51
14	A5	816	CLA	C3C-C2C	2.02	1.41	1.36
14	B4	805	CLA	C4C-C3C	2.02	1.48	1.45
14	A2	1607	CLA	CHD-C4C	2.02	1.43	1.39
14	A4	853	CLA	C1C-C2C	2.02	1.48	1.44
14	J5	101	CLA	C1D-ND	2.02	1.40	1.37
14	B5	1825	CLA	C3D-C2D	2.02	1.44	1.39
14	A4	822	CLA	MG-NC	2.02	2.11	2.06
14	A4	825	CLA	MG-NA	2.02	2.11	2.06
14	B4	852	CLA	C1C-C2C	2.02	1.48	1.44
14	A4	820	CLA	OBD-CAD	2.02	1.26	1.22
14	A3	829	CLA	C3C-C2C	2.02	1.41	1.36
14	A1	824	CLA	C1C-C2C	2.02	1.48	1.44
14	B4	805	CLA	CHD-C4C	2.02	1.43	1.39
14	B6	824	CLA	CHD-C4C	2.02	1.43	1.39
14	B6	838	CLA	CHD-C4C	2.02	1.43	1.39
14	A4	818	CLA	C3B-CAB	2.02	1.52	1.47
14	B5	1841	CLA	OBD-CAD	2.02	1.25	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A6	1603	CLA	MG-NA	2.02	2.11	2.06
14	A5	822	CLA	MG-NC	2.01	2.11	2.06
14	A5	805	CLA	CHD-C4C	2.01	1.43	1.39
14	A5	828	CLA	C4B-NB	2.01	1.37	1.35
14	A1	809	CLA	C1C-C2C	2.01	1.48	1.44
14	A3	819	CLA	C2-C3	2.01	1.37	1.33
14	A1	824	CLA	C1D-ND	2.01	1.40	1.37
14	B1	814	CLA	C1D-ND	2.01	1.40	1.37
14	B5	1824	CLA	C3D-C2D	2.01	1.44	1.39
14	A5	814	CLA	C1C-C2C	2.01	1.48	1.44
14	A5	837	CLA	C3C-C2C	2.01	1.41	1.36
14	A4	829	CLA	C3D-C2D	2.01	1.44	1.39
14	A1	833	CLA	C1C-C2C	2.01	1.48	1.44
14	B2	838	CLA	O2A-CGA	2.01	1.39	1.33
14	B6	821	CLA	C1D-ND	2.01	1.40	1.37
14	L3	203	CLA	O2A-CGA	2.01	1.39	1.33
14	M1	1201	CLA	CHD-C1D	2.01	1.42	1.38
14	A4	809	CLA	CHD-C4C	2.01	1.43	1.39
14	B4	808	CLA	MG-NC	2.01	2.11	2.06
14	A4	803	CLA	O2A-CGA	2.01	1.39	1.33
14	A1	813	CLA	C1C-C2C	2.01	1.48	1.44
14	B1	823	CLA	C3D-C2D	2.01	1.44	1.39
14	B6	807	CLA	MG-NC	2.01	2.11	2.06
14	A3	837	CLA	C1D-ND	2.01	1.40	1.37
14	A3	806	CLA	C3D-C2D	2.01	1.44	1.39
14	A6	1630	CLA	C1C-C2C	2.01	1.48	1.44
14	A5	819	CLA	C3C-C2C	2.01	1.41	1.36
14	A4	839	CLA	C3D-C2D	2.01	1.44	1.39
14	A1	821	CLA	MG-NC	2.01	2.11	2.06
14	A4	842	CLA	MG-NC	2.01	2.11	2.06
14	J6	1102	CLA	C3D-C2D	2.01	1.44	1.39
14	B1	826	CLA	CHD-C4C	2.01	1.43	1.39
14	B5	1827	CLA	CHD-C4C	2.01	1.43	1.39
14	A3	829	CLA	OBD-CAD	2.01	1.25	1.22
14	B6	816	CLA	C3C-C2C	2.01	1.41	1.36
14	B3	1826	CLA	CHD-C4C	2.01	1.43	1.39
14	A3	830	CLA	C1D-ND	2.01	1.40	1.37
16	J3	104	BCR	C2-C1	2.01	1.58	1.54
14	A1	817	CLA	C1C-C2C	2.01	1.48	1.44
14	B2	822	CLA	C1C-C2C	2.01	1.48	1.44
14	A3	827	CLA	C5-C3	2.01	1.55	1.51
14	B4	831	CLA	C4B-NB	2.01	1.37	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A3	827	CLA	O2D-CGD	2.01	1.38	1.33
14	K5	102	CLA	C3D-C2D	2.01	1.44	1.39
14	A6	1623	CLA	MG-NC	2.01	2.11	2.06
14	A4	837	CLA	CHD-C4C	2.01	1.43	1.39
14	B2	821	CLA	C3D-C2D	2.01	1.44	1.39
14	A1	817	CLA	MG-NC	2.01	2.11	2.06
14	A4	841	CLA	CHD-C1D	2.01	1.42	1.38
14	A5	830	CLA	OBD-CAD	2.01	1.25	1.22
14	A5	801	CLA	MG-NC	2.01	2.11	2.06
14	L6	206	CLA	C3D-C2D	2.01	1.44	1.39
14	A4	818	CLA	C2-C3	2.01	1.37	1.33
14	B2	826	CLA	C3C-C2C	2.01	1.41	1.36
14	B2	823	CLA	C5-C3	2.01	1.55	1.51
16	B1	845	BCR	C5-C6	2.01	1.37	1.34
14	B2	838	CLA	C1C-C2C	2.01	1.48	1.44
14	B4	841	CLA	MG-NC	2.01	2.11	2.06
14	A6	1615	CLA	CHD-C4C	2.01	1.43	1.39
14	A3	834	CLA	MG-NA	2.01	2.11	2.06
14	A4	836	CLA	MG-NC	2.01	2.11	2.06
14	B3	1824	CLA	C3D-C2D	2.00	1.44	1.39
14	A4	841	CLA	C3D-C2D	2.00	1.44	1.39
14	B2	803	CLA	MG-NC	2.00	2.11	2.06
14	A5	806	CLA	C4B-NB	2.00	1.37	1.35
14	B6	813	CLA	C3C-C2C	2.00	1.41	1.36
14	A5	819	CLA	C2-C3	2.00	1.37	1.33
14	A4	810	CLA	O2A-CGA	2.00	1.39	1.33
14	B1	829	CLA	CHD-C4C	2.00	1.43	1.39
14	B3	1802	CLA	CHD-C4C	2.00	1.43	1.39
14	B1	819	CLA	C3D-C2D	2.00	1.44	1.39
14	B4	807	CLA	MG-NC	2.00	2.11	2.06
14	A3	838	CLA	C3D-C2D	2.00	1.44	1.39
14	A1	837	CLA	C3C-C2C	2.00	1.41	1.36
14	B1	831	CLA	C3D-C2D	2.00	1.44	1.39
14	A4	837	CLA	C3D-C2D	2.00	1.44	1.39
14	A5	840	CLA	C3C-C2C	2.00	1.41	1.36
14	B4	818	CLA	C5-C3	2.00	1.55	1.51
14	L6	203	CLA	C4B-NB	2.00	1.37	1.35
14	A2	1616	CLA	CHD-C4C	2.00	1.43	1.39
14	B3	1840	CLA	CHD-C4C	2.00	1.43	1.39
14	L5	203	CLA	MG-NC	2.00	2.11	2.06
14	L2	205	CLA	C3C-C2C	2.00	1.41	1.36
14	L4	203	CLA	C3C-C2C	2.00	1.41	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B6	816	CLA	C5-C3	2.00	1.55	1.51
14	B4	823	CLA	C3D-C2D	2.00	1.44	1.39
14	B1	816	CLA	C3C-C2C	2.00	1.41	1.36
14	A3	826	CLA	C1D-ND	2.00	1.40	1.37
14	A5	811	CLA	CHD-C1D	2.00	1.42	1.38
14	B6	835	CLA	MG-NC	2.00	2.11	2.06
14	A2	1615	CLA	C3C-C2C	2.00	1.41	1.36
14	B2	821	CLA	C3B-C2B	2.00	1.43	1.40
16	B1	848	BCR	C5-C6	2.00	1.37	1.34
16	J1	104	BCR	C2-C1	2.00	1.58	1.54
14	B4	821	CLA	C1C-C2C	2.00	1.48	1.44
14	B6	806	CLA	C3D-C2D	2.00	1.44	1.39

All (10218) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A3	801	CLA	O2D-CGD-CBD	9.55	128.23	111.27
14	A4	801	CLA	O2D-CGD-CBD	9.44	128.05	111.27
14	A5	801	CLA	O2D-CGD-CBD	9.35	127.88	111.27
14	A1	801	CLA	O2D-CGD-CBD	9.32	127.83	111.27
14	A2	1602	CLA	O2D-CGD-CBD	9.22	127.65	111.27
14	A6	1602	CLA	O2D-CGD-CBD	9.04	127.33	111.27
14	B5	1822	CLA	C4A-NA-C1A	7.64	110.14	106.71
14	B3	1822	CLA	C4A-NA-C1A	7.37	110.02	106.71
14	B1	821	CLA	C4A-NA-C1A	7.25	109.97	106.71
14	A3	832	CLA	C4A-NA-C1A	7.19	109.94	106.71
14	B4	822	CLA	C4A-NA-C1A	7.14	109.92	106.71
14	A1	819	CLA	C4A-NA-C1A	7.13	109.91	106.71
14	A2	1622	CLA	C4A-NA-C1A	7.11	109.90	106.71
14	A5	820	CLA	C4A-NA-C1A	7.07	109.89	106.71
14	A2	1634	CLA	C4A-NA-C1A	6.99	109.85	106.71
14	L1	201	CLA	C4A-NA-C1A	6.96	109.84	106.71
14	A6	1620	CLA	C4A-NA-C1A	6.91	109.81	106.71
14	B2	819	CLA	C4A-NA-C1A	6.89	109.81	106.71
14	A3	820	CLA	C4A-NA-C1A	6.89	109.81	106.71
14	A4	831	CLA	C4A-NA-C1A	6.82	109.77	106.71
14	A5	832	CLA	C4A-NA-C1A	6.79	109.76	106.71
15	A4	843	PQN	C14-C13-C15	6.75	126.62	115.27
15	A2	1646	PQN	C14-C13-C15	6.73	126.59	115.27
15	A3	846	PQN	C14-C13-C15	6.73	126.58	115.27
14	B3	1814	CLA	C4A-NA-C1A	6.71	109.72	106.71
15	A6	1642	PQN	C14-C13-C15	6.67	126.49	115.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
15	A5	844	PQN	C14-C13-C15	6.67	126.49	115.27
14	A4	819	CLA	C4A-NA-C1A	6.64	109.69	106.71
14	B6	820	CLA	C4A-NA-C1A	6.60	109.67	106.71
15	A1	841	PQN	C14-C13-C15	6.52	126.24	115.27
14	M3	1601	CLA	C4A-NA-C1A	6.46	109.61	106.71
14	B5	1814	CLA	C4A-NA-C1A	6.39	109.58	106.71
14	L6	202	CLA	C4A-NA-C1A	6.32	109.55	106.71
14	B2	811	CLA	C4A-NA-C1A	6.19	109.49	106.71
14	L5	202	CLA	C4A-NA-C1A	6.18	109.49	106.71
14	A2	1601	CLA	C4A-NA-C1A	6.17	109.48	106.71
14	B6	821	CLA	C4A-NA-C1A	6.15	109.47	106.71
14	A6	1601	CLA	C4A-NA-C1A	6.15	109.47	106.71
14	A4	814	CLA	C4A-NA-C1A	6.13	109.46	106.71
14	L3	202	CLA	C4A-NA-C1A	6.08	109.44	106.71
14	J4	101	CLA	C4A-NA-C1A	6.04	109.42	106.71
14	X4	102	CLA	C4A-NA-C1A	6.02	109.41	106.71
14	B6	812	CLA	C4A-NA-C1A	6.00	109.40	106.71
14	B3	1823	CLA	C4A-NA-C1A	5.98	109.39	106.71
14	A4	853	CLA	C4A-NA-C1A	5.96	109.39	106.71
14	B1	841	CLA	C1D-ND-C4D	-5.90	102.14	106.33
14	B5	1843	CLA	C1D-ND-C4D	-5.89	102.15	106.33
14	B1	813	CLA	C4A-NA-C1A	5.88	109.35	106.71
15	A2	1646	PQN	C15-C13-C12	-5.87	109.23	121.12
14	B5	1835	CLA	C4A-NA-C1A	5.87	109.34	106.71
14	B4	804	CLA	O2D-CGD-CBD	5.86	121.68	111.27
14	A2	1617	CLA	C4A-NA-C1A	5.86	109.34	106.71
14	B4	814	CLA	C4A-NA-C1A	5.85	109.34	106.71
15	A5	844	PQN	C15-C13-C12	-5.83	109.31	121.12
14	A6	1651	CLA	O2D-CGD-CBD	5.82	121.61	111.27
15	A4	843	PQN	C15-C13-C12	-5.79	109.40	121.12
15	A6	1642	PQN	C15-C13-C12	-5.77	109.44	121.12
14	A3	815	CLA	C4A-NA-C1A	5.76	109.30	106.71
14	B2	820	CLA	C4A-NA-C1A	5.76	109.30	106.71
15	A1	841	PQN	C15-C13-C12	-5.75	109.47	121.12
14	B5	1804	CLA	O2D-CGD-CBD	5.75	121.49	111.27
14	X2	1701	CLA	C4A-NA-C1A	5.75	109.29	106.71
14	B3	1804	CLA	O2D-CGD-CBD	5.75	121.48	111.27
14	B2	840	CLA	C1D-ND-C4D	-5.74	102.26	106.33
14	B2	802	CLA	O2D-CGD-CBD	5.74	121.47	111.27
14	L1	206	CLA	C1D-ND-C4D	-5.73	102.27	106.33
15	A3	846	PQN	C15-C13-C12	-5.71	109.56	121.12
14	B1	822	CLA	C4A-NA-C1A	5.71	109.27	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A5	815	CLA	C4A-NA-C1A	5.70	109.27	106.71
14	A3	834	CLA	O2D-CGD-CBD	5.69	121.38	111.27
14	A6	1615	CLA	C4A-NA-C1A	5.69	109.26	106.71
14	J5	101	CLA	C4A-NA-C1A	5.68	109.26	106.71
14	B3	1843	CLA	C1D-ND-C4D	-5.68	102.30	106.33
15	B5	1844	PQN	C11-C12-C13	-5.66	117.37	126.79
14	B6	841	CLA	C1D-ND-C4D	-5.65	102.32	106.33
14	B4	823	CLA	C4A-NA-C1A	5.65	109.24	106.71
14	A1	814	CLA	C4A-NA-C1A	5.64	109.24	106.71
14	A4	835	CLA	C4A-NA-C1A	5.64	109.24	106.71
14	B5	1841	CLA	C1D-ND-C4D	-5.62	102.34	106.33
14	B1	805	CLA	O2D-CGD-CBD	5.61	121.24	111.27
14	L2	206	CLA	C1D-ND-C4D	-5.61	102.35	106.33
14	A3	812	CLA	C4A-NA-C1A	5.60	109.22	106.71
14	A3	837	CLA	C4A-NA-C1A	5.60	109.22	106.71
14	A6	1612	CLA	C4A-NA-C1A	5.59	109.22	106.71
14	X6	1701	CLA	C4A-NA-C1A	5.59	109.22	106.71
14	B4	843	CLA	C1D-ND-C4D	-5.57	102.38	106.33
14	A6	1633	CLA	O2D-CGD-CBD	5.57	121.17	111.27
14	L5	203	CLA	O2D-CGD-CBD	5.56	121.15	111.27
15	B4	844	PQN	C11-C12-C13	-5.55	117.55	126.79
14	B2	825	CLA	C4A-NA-C1A	5.53	109.19	106.71
14	B5	1823	CLA	C4A-NA-C1A	5.53	109.19	106.71
15	B3	1844	PQN	C11-C12-C13	-5.52	117.60	126.79
15	B1	842	PQN	C11-C12-C13	-5.50	117.64	126.79
15	B2	841	PQN	C11-C12-C13	-5.50	117.64	126.79
14	L4	201	CLA	O2D-CGD-CBD	5.49	121.03	111.27
14	L5	205	CLA	C1D-ND-C4D	-5.48	102.44	106.33
15	B6	842	PQN	C11-C12-C13	-5.48	117.67	126.79
14	A5	838	CLA	C1D-ND-C4D	-5.45	102.46	106.33
14	A5	812	CLA	C4A-NA-C1A	5.42	109.14	106.71
14	L3	204	CLA	C1D-ND-C4D	-5.42	102.48	106.33
14	A5	810	CLA	C1D-ND-C4D	-5.41	102.50	106.33
15	A2	1646	PQN	C11-C12-C13	-5.40	117.81	126.79
14	A6	1636	CLA	C4A-NA-C1A	5.39	109.13	106.71
14	B1	828	CLA	C1D-ND-C4D	-5.38	102.51	106.33
14	A2	1614	CLA	C4A-NA-C1A	5.36	109.12	106.71
14	A5	809	CLA	C4A-NA-C1A	5.36	109.12	106.71
15	A1	841	PQN	C11-C12-C13	-5.35	117.88	126.79
14	A1	811	CLA	C4A-NA-C1A	5.34	109.11	106.71
14	B6	839	CLA	C1D-ND-C4D	-5.34	102.54	106.33
14	L4	204	CLA	C1D-ND-C4D	-5.32	102.56	106.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
15	A4	843	PQN	C11-C12-C13	-5.31	117.95	126.79
14	A1	816	CLA	C1D-ND-C4D	-5.31	102.56	106.33
14	A2	1638	CLA	C4A-NA-C1A	5.30	109.09	106.71
14	J3	101	CLA	C4A-NA-C1A	5.29	109.08	106.71
14	B3	1812	CLA	C4A-NA-C1A	5.28	109.08	106.71
15	A5	844	PQN	C11-C12-C13	-5.28	118.00	126.79
14	L1	202	CLA	O2D-CGD-CBD	5.28	120.65	111.27
14	X1	1701	CLA	C4A-NA-C1A	5.26	109.07	106.71
14	A4	825	CLA	C1D-ND-C4D	-5.26	102.60	106.33
14	A1	826	CLA	C4A-NA-C1A	5.26	109.07	106.71
14	A1	803	CLA	O2D-CGD-CBD	5.23	120.57	111.27
14	A3	813	CLA	C4A-NA-C1A	5.23	109.06	106.71
14	B4	810	CLA	O2D-CGD-CBD	5.22	120.55	111.27
14	B1	834	CLA	C4A-NA-C1A	5.22	109.05	106.71
14	A5	835	CLA	C4A-NA-C1A	5.21	109.05	106.71
14	A4	801	CLA	O1D-CGD-CBD	-5.21	113.83	124.48
14	B4	838	CLA	C4A-NA-C1A	5.20	109.04	106.71
14	X5	101	CLA	C4A-NA-C1A	5.20	109.04	106.71
14	B4	841	CLA	C1D-ND-C4D	-5.19	102.65	106.33
14	A3	804	CLA	O2D-CGD-CBD	5.19	120.49	111.27
14	A3	817	CLA	C1D-ND-C4D	-5.18	102.65	106.33
14	A4	811	CLA	C4A-NA-C1A	5.18	109.04	106.71
14	A6	1617	CLA	C1D-ND-C4D	-5.18	102.66	106.33
14	B5	1801	CLA	O2D-CGD-CBD	5.18	120.47	111.27
14	B1	827	CLA	C4A-NA-C1A	5.18	109.03	106.71
15	A3	846	PQN	C11-C12-C13	-5.16	118.21	126.79
14	A4	803	CLA	O2D-CGD-CBD	5.15	120.42	111.27
14	B6	815	CLA	C1D-ND-C4D	-5.15	102.68	106.33
14	J2	101	CLA	C4A-NA-C1A	5.14	109.02	106.71
14	A5	822	CLA	C4A-NA-C1A	5.14	109.02	106.71
14	J6	1102	CLA	C4A-NA-C1A	5.14	109.02	106.71
14	A5	817	CLA	C1D-ND-C4D	-5.14	102.69	106.33
14	B3	1812	CLA	C2C-C1C-NC	5.14	114.78	109.97
14	B6	829	CLA	O2D-CGD-CBD	5.13	120.39	111.27
14	B4	827	CLA	C4A-NA-C1A	5.13	109.01	106.71
14	A2	1612	CLA	C1D-ND-C4D	-5.12	102.69	106.33
14	B3	1831	CLA	O2D-CGD-CBD	5.12	120.37	111.27
14	A2	1615	CLA	C4A-NA-C1A	5.12	109.01	106.71
14	L2	202	CLA	O2D-CGD-CBD	5.12	120.37	111.27
15	A6	1642	PQN	C11-C12-C13	-5.12	118.27	126.79
14	A1	831	CLA	C1D-ND-C4D	-5.12	102.70	106.33
14	X3	102	CLA	C4A-NA-C1A	5.12	109.01	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A5	807	CLA	C1D-ND-C4D	-5.11	102.70	106.33
14	A2	1611	CLA	C4A-NA-C1A	5.11	109.00	106.71
14	B6	808	CLA	C1D-ND-C4D	-5.10	102.71	106.33
14	A1	809	CLA	C1D-ND-C4D	-5.10	102.71	106.33
14	A5	813	CLA	C4A-NA-C1A	5.10	109.00	106.71
14	B6	810	CLA	C2C-C1C-NC	5.10	114.75	109.97
14	B2	809	CLA	C2C-C1C-NC	5.10	114.75	109.97
14	A5	801	CLA	O1D-CGD-CBD	-5.09	114.06	124.48
14	B3	1806	CLA	O2D-CGD-CBD	5.09	120.32	111.27
14	L3	203	CLA	O2D-CGD-CBD	5.09	120.32	111.27
14	A3	836	CLA	C4A-NA-C1A	5.09	108.99	106.71
14	A4	808	CLA	C4A-NA-C1A	5.09	108.99	106.71
14	B2	838	CLA	C1D-ND-C4D	-5.08	102.72	106.33
14	A2	1643	CLA	C1D-ND-C4D	-5.08	102.73	106.33
14	B4	806	CLA	C4A-NA-C1A	5.08	108.99	106.71
14	A4	816	CLA	C1D-ND-C4D	-5.07	102.73	106.33
14	B6	838	CLA	C4A-NA-C1A	5.07	108.99	106.71
14	A6	1604	CLA	O2D-CGD-CBD	5.07	120.27	111.27
14	B5	1817	CLA	C1D-ND-C4D	-5.06	102.74	106.33
14	B1	837	CLA	C4A-NA-C1A	5.06	108.98	106.71
14	B1	833	CLA	O2D-CGD-CBD	5.06	120.26	111.27
14	B1	854	CLA	C2C-C1C-NC	5.05	114.71	109.97
14	M2	1201	CLA	O2D-CGD-CBD	5.05	120.25	111.27
14	A4	809	CLA	C1D-ND-C4D	-5.05	102.75	106.33
14	A2	1606	CLA	O2D-CGD-CBD	5.05	120.24	111.27
14	A1	812	CLA	C4A-NA-C1A	5.05	108.98	106.71
14	B2	835	CLA	C4A-NA-C1A	5.05	108.98	106.71
14	B4	817	CLA	C1D-ND-C4D	-5.05	102.75	106.33
14	A2	1635	CLA	C1D-ND-C4D	-5.05	102.75	106.33
14	B2	814	CLA	C1D-ND-C4D	-5.04	102.75	106.33
14	A5	826	CLA	C1D-ND-C4D	-5.04	102.75	106.33
14	B4	812	CLA	C4A-NA-C1A	5.03	108.97	106.71
14	L2	207	CLA	C1D-ND-C4D	-5.03	102.76	106.33
14	B5	1812	CLA	C4A-NA-C1A	5.03	108.97	106.71
14	B1	810	CLA	O2D-CGD-CBD	5.02	120.19	111.27
14	A6	1610	CLA	C1D-ND-C4D	-5.02	102.77	106.33
14	B4	835	CLA	C4A-NA-C1A	5.02	108.96	106.71
14	L3	203	CLA	C1D-ND-C4D	-5.02	102.77	106.33
14	A5	843	CLA	O2D-CGD-CBD	5.02	120.18	111.27
14	B6	830	CLA	C4A-NA-C1A	5.02	108.96	106.71
14	A3	810	CLA	C1D-ND-C4D	-5.02	102.77	106.33
14	B5	1838	CLA	C4A-NA-C1A	5.01	108.96	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B2	807	CLA	O2D-CGD-CBD	5.01	120.17	111.27
14	L4	205	CLA	C1D-ND-C4D	-5.01	102.78	106.33
14	A6	1635	CLA	C4A-NA-C1A	5.00	108.96	106.71
14	A1	801	CLA	O1D-CGD-CBD	-5.00	114.24	124.48
14	A2	1602	CLA	O1D-CGD-CBD	-5.00	114.25	124.48
14	L1	205	CLA	C1D-ND-C4D	-5.00	102.78	106.33
14	L5	206	CLA	C1D-ND-C4D	-5.00	102.78	106.33
14	B1	854	CLA	C4A-NA-C1A	5.00	108.95	106.71
14	B1	830	CLA	O2D-CGD-CBD	5.00	120.15	111.27
14	L6	206	CLA	O2D-CGD-CBD	4.99	120.14	111.27
14	B5	1806	CLA	O2D-CGD-CBD	4.99	120.14	111.27
14	A6	1607	CLA	C1D-ND-C4D	-4.99	102.79	106.33
14	A3	801	CLA	O1D-CGD-CBD	-4.99	114.27	124.48
14	B4	828	CLA	C4A-NA-C1A	4.98	108.95	106.71
14	B1	853	CLA	O2D-CGD-CBD	4.98	120.12	111.27
14	A5	804	CLA	O2D-CGD-CBD	4.98	120.11	111.27
14	B3	1806	CLA	C4A-NA-C1A	4.98	108.94	106.71
14	B3	1835	CLA	C4A-NA-C1A	4.98	108.94	106.71
14	A1	810	CLA	C4A-NA-C1A	4.97	108.94	106.71
14	M1	1201	CLA	O2D-CGD-CBD	4.97	120.11	111.27
14	A5	836	CLA	C4A-NA-C1A	4.97	108.94	106.71
14	B6	825	CLA	O2D-CGD-CBD	4.97	120.10	111.27
14	B3	1817	CLA	O2D-CGD-CBD	4.97	120.10	111.27
14	A1	821	CLA	C4A-NA-C1A	4.97	108.94	106.71
14	M6	1201	CLA	O2D-CGD-CBD	4.96	120.08	111.27
14	A6	1613	CLA	C4A-NA-C1A	4.96	108.93	106.71
14	B6	814	CLA	O2D-CGD-CBD	4.96	120.07	111.27
14	B5	1828	CLA	C4A-NA-C1A	4.95	108.93	106.71
14	B1	816	CLA	C1D-ND-C4D	-4.95	102.82	106.33
14	B3	1810	CLA	O2D-CGD-CBD	4.95	120.06	111.27
14	B5	1829	CLA	C1D-ND-C4D	-4.94	102.83	106.33
14	B5	1816	CLA	O2D-CGD-CBD	4.94	120.05	111.27
14	B5	1812	CLA	C2C-C1C-NC	4.94	114.60	109.97
14	B1	840	CLA	C1D-ND-C4D	-4.94	102.83	106.33
14	A6	1602	CLA	O1D-CGD-CBD	-4.93	114.39	124.48
14	B5	1835	CLA	O2D-CGD-CBD	4.93	120.02	111.27
14	A3	811	CLA	C1D-ND-C4D	-4.92	102.84	106.33
14	A1	838	CLA	C1D-ND-C4D	-4.92	102.84	106.33
14	A3	845	CLA	O2D-CGD-CBD	4.92	120.00	111.27
14	A1	810	CLA	C1D-ND-C4D	-4.92	102.84	106.33
14	A3	835	CLA	C4A-NA-C1A	4.91	108.92	106.71
14	B5	1810	CLA	O2D-CGD-CBD	4.91	120.00	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A1	806	CLA	C1D-ND-C4D	-4.91	102.85	106.33
14	B6	833	CLA	C4A-NA-C1A	4.91	108.91	106.71
14	L2	205	CLA	O2D-CGD-CBD	4.91	119.99	111.27
14	B6	836	CLA	C4A-NA-C1A	4.90	108.91	106.71
14	B1	834	CLA	O2D-CGD-CBD	4.90	119.98	111.27
14	B1	833	CLA	C1D-ND-C4D	-4.90	102.85	106.33
14	A5	841	CLA	C1D-ND-C4D	-4.90	102.85	106.33
14	B2	828	CLA	O2D-CGD-CBD	4.90	119.97	111.27
14	L3	205	CLA	C1D-ND-C4D	-4.90	102.86	106.33
14	A4	842	CLA	C4A-NA-C1A	4.89	108.91	106.71
14	B4	812	CLA	C2C-C1C-NC	4.89	114.55	109.97
14	L1	207	CLA	C1D-ND-C4D	-4.89	102.86	106.33
14	B4	806	CLA	O2D-CGD-CBD	4.89	119.95	111.27
14	B2	824	CLA	O2D-CGD-CBD	4.89	119.95	111.27
14	B4	827	CLA	O2D-CGD-CBD	4.89	119.95	111.27
14	B3	1801	CLA	O2D-CGD-CBD	4.89	119.95	111.27
14	B3	1827	CLA	O2D-CGD-CBD	4.88	119.94	111.27
14	B5	1806	CLA	C4A-NA-C1A	4.88	108.90	106.71
14	B6	808	CLA	O2D-CGD-CBD	4.87	119.92	111.27
14	B5	1827	CLA	C4A-NA-C1A	4.87	108.89	106.71
14	B4	842	CLA	C1D-ND-C4D	-4.86	102.88	106.33
14	L6	208	CLA	C1D-ND-C4D	-4.86	102.88	106.33
14	B5	1818	CLA	C1D-ND-C4D	-4.86	102.88	106.33
14	A1	834	CLA	C4A-NA-C1A	4.85	108.89	106.71
14	B1	819	CLA	C4A-NA-C1A	4.85	108.89	106.71
14	B6	820	CLA	O2D-CGD-CBD	4.85	119.89	111.27
14	B3	1829	CLA	C1D-ND-C4D	-4.85	102.89	106.33
14	A3	809	CLA	C4A-NA-C1A	4.84	108.88	106.71
14	A3	826	CLA	C1D-ND-C4D	-4.84	102.90	106.33
14	B1	815	CLA	O2D-CGD-CBD	4.84	119.87	111.27
14	A6	1609	CLA	C4A-NA-C1A	4.84	108.88	106.71
14	L1	205	CLA	O2D-CGD-CBD	4.84	119.86	111.27
14	A4	814	CLA	O2D-CGD-CBD	4.83	119.85	111.27
14	B4	829	CLA	C1D-ND-C4D	-4.83	102.90	106.33
14	A4	840	CLA	C1D-ND-C4D	-4.82	102.91	106.33
14	A6	1615	CLA	O2D-CGD-CBD	4.82	119.84	111.27
14	B3	1838	CLA	C4A-NA-C1A	4.82	108.87	106.71
14	B2	814	CLA	O2D-CGD-CBD	4.82	119.83	111.27
14	B1	812	CLA	C1D-ND-C4D	-4.81	102.92	106.33
14	B1	816	CLA	O2D-CGD-CBD	4.80	119.80	111.27
14	B2	832	CLA	O2D-CGD-CBD	4.80	119.79	111.27
14	B5	1831	CLA	O2D-CGD-CBD	4.80	119.79	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B4	809	CLA	O2D-CGD-CBD	4.79	119.79	111.27
14	B2	826	CLA	C1D-ND-C4D	-4.79	102.93	106.33
14	L4	203	CLA	O2D-CGD-CBD	4.79	119.78	111.27
14	A2	1609	CLA	C1D-ND-C4D	-4.79	102.93	106.33
14	A4	806	CLA	C1D-ND-C4D	-4.79	102.93	106.33
14	A6	1636	CLA	C2C-C1C-NC	4.78	114.45	109.97
14	B4	836	CLA	C4A-NA-C1A	4.78	108.86	106.71
14	A6	1627	CLA	C4A-NA-C1A	4.78	108.86	106.71
14	B2	831	CLA	C1D-ND-C4D	-4.78	102.94	106.33
14	A5	831	CLA	O2D-CGD-CBD	4.78	119.76	111.27
14	B3	1832	CLA	C4A-NA-C1A	4.78	108.85	106.71
14	A6	1626	CLA	C1D-ND-C4D	-4.77	102.94	106.33
14	B4	816	CLA	O2D-CGD-CBD	4.77	119.75	111.27
14	B2	828	CLA	C1D-ND-C4D	-4.77	102.95	106.33
14	B5	1842	CLA	C1D-ND-C4D	-4.77	102.95	106.33
14	A6	1631	CLA	O2D-CGD-CBD	4.77	119.74	111.27
14	A6	1622	CLA	C4A-NA-C1A	4.77	108.85	106.71
15	B5	1844	PQN	C14-C13-C15	4.76	123.28	115.27
14	A1	814	CLA	O2D-CGD-CBD	4.76	119.73	111.27
14	A4	812	CLA	C4A-NA-C1A	4.76	108.84	106.71
14	A6	1634	CLA	C4A-NA-C1A	4.76	108.84	106.71
14	A2	1628	CLA	C1D-ND-C4D	-4.76	102.96	106.33
14	A5	815	CLA	O2D-CGD-CBD	4.76	119.72	111.27
14	B1	853	CLA	C4A-NA-C1A	4.76	108.84	106.71
14	B6	815	CLA	O2D-CGD-CBD	4.75	119.72	111.27
14	B2	824	CLA	C4A-NA-C1A	4.75	108.84	106.71
14	B4	831	CLA	O2D-CGD-CBD	4.75	119.71	111.27
14	A5	827	CLA	C4A-NA-C1A	4.75	108.84	106.71
14	L5	204	CLA	O2D-CGD-CBD	4.75	119.71	111.27
14	L5	202	CLA	O2D-CGD-CBD	4.74	119.70	111.27
14	M2	1201	CLA	C4A-NA-C1A	4.74	108.84	106.71
15	B2	841	PQN	C14-C13-C15	4.74	123.25	115.27
14	L6	207	CLA	C1D-ND-C4D	-4.74	102.97	106.33
14	A5	836	CLA	C2C-C1C-NC	4.74	114.41	109.97
14	A5	837	CLA	C1D-ND-C4D	-4.74	102.97	106.33
14	A5	838	CLA	O2D-CGD-CBD	4.73	119.68	111.27
14	B6	840	CLA	C1D-ND-C4D	-4.73	102.97	106.33
14	B3	1813	CLA	C1D-ND-C4D	-4.73	102.97	106.33
14	B1	817	CLA	C1D-ND-C4D	-4.73	102.98	106.33
14	B4	835	CLA	O2D-CGD-CBD	4.73	119.67	111.27
14	L4	203	CLA	C1D-ND-C4D	-4.72	102.98	106.33
14	A2	1610	CLA	O2D-CGD-CBD	4.72	119.66	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	L5	204	CLA	C1D-ND-C4D	-4.72	102.98	106.33
14	B5	1817	CLA	O2D-CGD-CBD	4.72	119.66	111.27
14	B4	804	CLA	C2C-C1C-NC	4.72	114.39	109.97
14	B1	809	CLA	O2D-CGD-CBD	4.72	119.66	111.27
14	A2	1637	CLA	C4A-NA-C1A	4.72	108.83	106.71
14	A3	822	CLA	C4A-NA-C1A	4.72	108.83	106.71
14	A5	833	CLA	C1D-ND-C4D	-4.72	102.98	106.33
14	B2	809	CLA	C4A-NA-C1A	4.71	108.83	106.71
14	A5	808	CLA	C1D-ND-C4D	-4.71	102.99	106.33
14	B4	852	CLA	O2D-CGD-CBD	4.71	119.64	111.27
14	A1	829	CLA	O2D-CGD-CBD	4.71	119.63	111.27
14	A6	1638	CLA	C1D-ND-C4D	-4.70	102.99	106.33
14	B3	1831	CLA	C1D-ND-C4D	-4.70	102.99	106.33
14	A3	811	CLA	C4A-NA-C1A	4.70	108.82	106.71
14	B1	821	CLA	O2D-CGD-CBD	4.70	119.61	111.27
14	A3	815	CLA	O2D-CGD-CBD	4.70	119.61	111.27
14	B3	1817	CLA	C1D-ND-C4D	-4.69	103.00	106.33
14	B3	1816	CLA	O2D-CGD-CBD	4.69	119.61	111.27
14	A2	1617	CLA	O2D-CGD-CBD	4.69	119.61	111.27
14	B6	825	CLA	C4A-NA-C1A	4.69	108.81	106.71
14	A5	842	CLA	C1D-ND-C4D	-4.69	103.01	106.33
14	B2	813	CLA	O2D-CGD-CBD	4.68	119.59	111.27
14	A6	1611	CLA	C1D-ND-C4D	-4.68	103.01	106.33
14	B4	820	CLA	C4A-NA-C1A	4.68	108.81	106.71
14	B3	1842	CLA	C1D-ND-C4D	-4.68	103.01	106.33
14	B2	829	CLA	C4A-NA-C1A	4.68	108.81	106.71
14	A6	1611	CLA	C4A-NA-C1A	4.68	108.81	106.71
14	B4	817	CLA	O2D-CGD-CBD	4.68	119.58	111.27
14	B2	833	CLA	C4A-NA-C1A	4.67	108.81	106.71
14	B6	833	CLA	O2D-CGD-CBD	4.67	119.57	111.27
14	B5	1834	CLA	O2D-CGD-CBD	4.67	119.56	111.27
14	A2	1606	CLA	C4A-NA-C1A	4.66	108.80	106.71
14	J4	102	CLA	C4A-NA-C1A	4.66	108.80	106.71
14	A4	834	CLA	C4A-NA-C1A	4.66	108.80	106.71
15	B4	844	PQN	C14-C13-C15	4.66	123.11	115.27
14	J3	102	CLA	C4A-NA-C1A	4.66	108.80	106.71
14	A3	830	CLA	O2D-CGD-CBD	4.65	119.53	111.27
14	A1	803	CLA	C4A-NA-C1A	4.65	108.80	106.71
14	A1	808	CLA	C4A-NA-C1A	4.65	108.80	106.71
14	B1	826	CLA	C4A-NA-C1A	4.65	108.80	106.71
14	B4	813	CLA	C1D-ND-C4D	-4.64	103.04	106.33
14	B6	827	CLA	C1D-ND-C4D	-4.64	103.04	106.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B4	832	CLA	O2D-CGD-CBD	4.64	119.52	111.27
14	L2	205	CLA	C1D-ND-C4D	-4.64	103.04	106.33
14	B3	1819	CLA	C1D-ND-C4D	-4.64	103.04	106.33
14	J6	1103	CLA	C4A-NA-C1A	4.64	108.79	106.71
14	A6	1601	CLA	O2D-CGD-CBD	4.64	119.51	111.27
14	A2	1633	CLA	O2D-CGD-CBD	4.64	119.51	111.27
14	B4	832	CLA	C4A-NA-C1A	4.64	108.79	106.71
15	B6	842	PQN	C14-C13-C15	4.63	123.06	115.27
14	B6	830	CLA	O2D-CGD-CBD	4.63	119.49	111.27
14	A5	830	CLA	O2D-CGD-CBD	4.63	119.49	111.27
14	B3	1835	CLA	O2D-CGD-CBD	4.62	119.48	111.27
16	B2	844	BCR	C29-C30-C25	4.62	117.60	110.48
15	B1	842	PQN	C14-C13-C15	4.62	123.05	115.27
14	A3	837	CLA	C2C-C1C-NC	4.62	114.30	109.97
14	A4	807	CLA	C1D-ND-C4D	-4.62	103.05	106.33
16	B6	845	BCR	C29-C30-C25	4.62	117.59	110.48
14	A4	829	CLA	O2D-CGD-CBD	4.62	119.47	111.27
14	B5	1809	CLA	O2D-CGD-CBD	4.62	119.47	111.27
14	B5	1830	CLA	C1D-ND-C4D	-4.61	103.06	106.33
14	A2	1610	CLA	C1D-ND-C4D	-4.61	103.06	106.33
14	A4	805	CLA	O2A-CGA-CBA	4.61	126.38	111.91
14	A6	1632	CLA	C2C-C1C-NC	4.61	114.29	109.97
14	A4	807	CLA	C4A-NA-C1A	4.61	108.78	106.71
14	B4	831	CLA	C1D-ND-C4D	-4.61	103.06	106.33
14	B2	832	CLA	C4A-NA-C1A	4.61	108.78	106.71
14	A2	1636	CLA	C4A-NA-C1A	4.60	108.78	106.71
14	A6	1638	CLA	O2D-CGD-CBD	4.60	119.45	111.27
14	A1	840	CLA	C4A-NA-C1A	4.60	108.78	106.71
14	A1	836	CLA	C1D-ND-C4D	-4.60	103.07	106.33
14	A4	807	CLA	O2D-CGD-CBD	4.60	119.44	111.27
14	B2	829	CLA	O2D-CGD-CBD	4.60	119.44	111.27
14	A2	1633	CLA	C4A-NA-C1A	4.60	108.77	106.71
14	A1	807	CLA	C1D-ND-C4D	-4.60	103.07	106.33
14	A1	805	CLA	O2A-CGA-CBA	4.59	126.32	111.91
14	B4	811	CLA	C2C-C1C-NC	4.59	114.27	109.97
14	A2	1610	CLA	C4A-NA-C1A	4.59	108.77	106.71
14	A5	806	CLA	O2A-CGA-CBA	4.59	126.31	111.91
14	A1	833	CLA	C4A-NA-C1A	4.59	108.77	106.71
14	B3	1820	CLA	C4A-NA-C1A	4.59	108.77	106.71
15	B3	1844	PQN	C14-C13-C15	4.59	122.99	115.27
14	K1	1401	CLA	O2D-CGD-CBD	4.59	119.42	111.27
14	B6	809	CLA	C2C-C1C-NC	4.59	114.27	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A6	1630	CLA	O2D-CGD-CBD	4.59	119.42	111.27
14	B5	1832	CLA	O2D-CGD-CBD	4.58	119.41	111.27
14	B2	810	CLA	C1D-ND-C4D	-4.58	103.08	106.33
14	B4	834	CLA	O2D-CGD-CBD	4.58	119.41	111.27
14	B1	831	CLA	C4A-NA-C1A	4.58	108.77	106.71
14	M1	1201	CLA	C4A-NA-C1A	4.58	108.77	106.71
14	A4	810	CLA	C1D-ND-C4D	-4.58	103.08	106.33
14	A4	837	CLA	C1D-ND-C4D	-4.58	103.08	106.33
14	L3	202	CLA	O2D-CGD-CBD	4.58	119.40	111.27
14	B5	1811	CLA	C2C-C1C-NC	4.58	114.26	109.97
14	A2	1625	CLA	O2D-CGD-CBD	4.57	119.39	111.27
14	B4	833	CLA	O2D-CGD-CBD	4.57	119.39	111.27
14	B5	1827	CLA	O2D-CGD-CBD	4.57	119.39	111.27
14	B3	1809	CLA	O2D-CGD-CBD	4.57	119.39	111.27
14	A2	1624	CLA	C4A-NA-C1A	4.57	108.76	106.71
14	B4	842	CLA	C2C-C1C-NC	4.57	114.25	109.97
14	A2	1632	CLA	O2D-CGD-CBD	4.57	119.38	111.27
14	A3	833	CLA	C2C-C1C-NC	4.56	114.25	109.97
16	B3	1847	BCR	C29-C30-C25	4.56	117.50	110.48
16	B5	1847	BCR	C29-C30-C25	4.56	117.50	110.48
14	A5	808	CLA	O2D-CGD-CBD	4.56	119.37	111.27
14	A6	1608	CLA	C1D-ND-C4D	-4.56	103.10	106.33
14	B6	834	CLA	C4A-NA-C1A	4.56	108.75	106.71
14	B1	830	CLA	C1D-ND-C4D	-4.55	103.10	106.33
14	B2	806	CLA	O2D-CGD-CBD	4.55	119.35	111.27
14	B3	1841	CLA	C1D-ND-C4D	-4.55	103.10	106.33
14	A1	830	CLA	O2D-CGD-CBD	4.55	119.35	111.27
14	A2	1638	CLA	C2C-C1C-NC	4.55	114.23	109.97
14	A4	853	CLA	O2D-CGD-CBD	4.54	119.34	111.27
14	A3	803	CLA	O2D-CGD-CBD	4.54	119.34	111.27
14	A3	831	CLA	C4A-NA-C1A	4.54	108.75	106.71
14	A1	831	CLA	C2C-C1C-NC	4.54	114.22	109.97
14	B5	1832	CLA	C4A-NA-C1A	4.54	108.75	106.71
14	K2	1401	CLA	O2D-CGD-CBD	4.54	119.33	111.27
14	A3	833	CLA	C1D-ND-C4D	-4.54	103.11	106.33
16	B2	842	BCR	C38-C26-C25	4.53	129.62	124.53
14	B3	1834	CLA	O2D-CGD-CBD	4.53	119.32	111.27
14	B3	1828	CLA	C4A-NA-C1A	4.53	108.74	106.71
16	B1	845	BCR	C29-C30-C25	4.53	117.46	110.48
14	I1	101	CLA	C1D-ND-C4D	-4.53	103.12	106.33
14	A4	821	CLA	O2D-CGD-CBD	4.53	119.32	111.27
14	A6	1608	CLA	O2D-CGD-CBD	4.53	119.32	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A1	834	CLA	C2C-C1C-NC	4.53	114.21	109.97
14	A4	821	CLA	C4A-NA-C1A	4.53	108.74	106.71
14	K2	1401	CLA	C1D-ND-C4D	-4.52	103.12	106.33
14	A3	842	CLA	C1D-ND-C4D	-4.52	103.12	106.33
14	B4	830	CLA	C1D-ND-C4D	-4.52	103.12	106.33
14	A3	839	CLA	O2D-CGD-CBD	4.52	119.30	111.27
14	F2	204	CLA	C4A-NA-C1A	4.51	108.73	106.71
14	A4	810	CLA	C4A-NA-C1A	4.51	108.73	106.71
14	A3	808	CLA	C1D-ND-C4D	-4.51	103.13	106.33
14	A1	825	CLA	C1D-ND-C4D	-4.51	103.13	106.33
14	A4	828	CLA	C1D-ND-C4D	-4.51	103.13	106.33
14	A1	822	CLA	O2D-CGD-CBD	4.51	119.28	111.27
14	J6	1101	CLA	O2D-CGD-CBD	4.51	119.28	111.27
14	A6	1623	CLA	O2D-CGD-CBD	4.51	119.28	111.27
14	B5	1820	CLA	C4A-NA-C1A	4.51	108.73	106.71
14	K6	1401	CLA	O2D-CGD-CBD	4.51	119.28	111.27
14	A4	804	CLA	C4A-NA-C1A	4.51	108.73	106.71
14	B6	811	CLA	C1D-ND-C4D	-4.51	103.13	106.33
14	F1	1301	CLA	C4A-NA-C1A	4.50	108.73	106.71
14	B6	810	CLA	C4A-NA-C1A	4.50	108.73	106.71
14	B3	1811	CLA	C2C-C1C-NC	4.50	114.19	109.97
14	B5	1809	CLA	C4A-NA-C1A	4.50	108.73	106.71
14	A3	831	CLA	C1D-ND-C4D	-4.50	103.14	106.33
14	B4	822	CLA	O2D-CGD-CBD	4.50	119.27	111.27
14	A5	823	CLA	C1D-ND-C4D	-4.50	103.14	106.33
14	B1	826	CLA	O2D-CGD-CBD	4.50	119.26	111.27
16	B4	847	BCR	C29-C30-C25	4.50	117.41	110.48
14	B2	802	CLA	C2C-C1C-NC	4.50	114.19	109.97
14	B5	1810	CLA	C1D-ND-C4D	-4.50	103.14	106.33
14	B5	1823	CLA	O2D-CGD-CBD	4.50	119.26	111.27
14	B5	1801	CLA	C4A-NA-C1A	4.49	108.73	106.71
14	A2	1613	CLA	C1D-ND-C4D	-4.49	103.14	106.33
14	L6	206	CLA	C1D-ND-C4D	-4.49	103.14	106.33
14	K1	1401	CLA	C1D-ND-C4D	-4.49	103.14	106.33
16	I5	101	BCR	C2-C1-C6	4.49	117.39	110.48
14	A5	833	CLA	C2C-C1C-NC	4.48	114.17	109.97
14	B2	839	CLA	C2C-C1C-NC	4.48	114.17	109.97
14	A4	830	CLA	O2D-CGD-CBD	4.48	119.23	111.27
14	I6	101	CLA	O2D-CGD-CBD	4.48	119.23	111.27
14	B6	832	CLA	C1D-ND-C4D	-4.48	103.15	106.33
14	A5	811	CLA	C1D-ND-C4D	-4.48	103.15	106.33
14	A5	803	CLA	O2D-CGD-CBD	4.48	119.23	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A4	833	CLA	C4A-NA-C1A	4.48	108.72	106.71
14	A3	827	CLA	O2D-CGD-CBD	4.48	119.23	111.27
14	B4	809	CLA	C4A-NA-C1A	4.48	108.72	106.71
14	B6	840	CLA	C2C-C1C-NC	4.47	114.16	109.97
14	A1	826	CLA	O2D-CGD-CBD	4.47	119.22	111.27
14	A2	1608	CLA	O2A-CGA-CBA	4.47	125.95	111.91
14	A1	807	CLA	C4A-NA-C1A	4.47	108.72	106.71
14	B5	1840	CLA	C4A-NA-C1A	4.47	108.72	106.71
14	A2	1624	CLA	O2D-CGD-CBD	4.47	119.21	111.27
14	K5	102	CLA	O2D-CGD-CBD	4.47	119.21	111.27
14	B1	811	CLA	C2C-C1C-NC	4.47	114.16	109.97
14	B6	828	CLA	C1D-ND-C4D	-4.47	103.16	106.33
14	A2	1640	CLA	C1D-ND-C4D	-4.47	103.16	106.33
14	A2	1613	CLA	C4A-NA-C1A	4.46	108.71	106.71
14	B1	829	CLA	C1D-ND-C4D	-4.46	103.17	106.33
14	B1	805	CLA	C2C-C1C-NC	4.46	114.15	109.97
14	B3	1822	CLA	O2D-CGD-CBD	4.46	119.19	111.27
14	A4	835	CLA	C2C-C1C-NC	4.46	114.15	109.97
14	B6	831	CLA	O2D-CGD-CBD	4.45	119.18	111.27
14	A2	1620	CLA	C1D-ND-C4D	-4.45	103.17	106.33
14	A2	1633	CLA	C1D-ND-C4D	-4.45	103.17	106.33
14	B6	818	CLA	C4A-NA-C1A	4.45	108.71	106.71
14	A4	822	CLA	O2D-CGD-CBD	4.45	119.18	111.27
14	A1	802	CLA	O2D-CGD-CBD	4.45	119.18	111.27
14	B5	1804	CLA	C2C-C1C-NC	4.45	114.14	109.97
14	A6	1651	CLA	C2C-C1C-NC	4.45	114.14	109.97
14	A4	830	CLA	C4A-NA-C1A	4.45	108.70	106.71
14	A6	1608	CLA	C4A-NA-C1A	4.45	108.70	106.71
14	A4	832	CLA	C2C-C1C-NC	4.45	114.14	109.97
14	K4	1401	CLA	O2D-CGD-CBD	4.45	119.17	111.27
14	A3	808	CLA	C4A-NA-C1A	4.44	108.70	106.71
14	B2	830	CLA	O2D-CGD-CBD	4.44	119.15	111.27
14	A1	836	CLA	O2D-CGD-CBD	4.44	119.15	111.27
14	A3	808	CLA	O2D-CGD-CBD	4.43	119.15	111.27
14	A4	826	CLA	O2D-CGD-CBD	4.43	119.14	111.27
14	A2	1640	CLA	O2D-CGD-CBD	4.43	119.14	111.27
14	B5	1822	CLA	O2D-CGD-CBD	4.43	119.14	111.27
14	B4	852	CLA	C4A-NA-C1A	4.43	108.70	106.71
14	I1	101	CLA	C2C-C1C-NC	4.43	114.12	109.97
14	A6	1606	CLA	O2A-CGA-CBA	4.42	125.79	111.91
14	B3	1827	CLA	C4A-NA-C1A	4.42	108.69	106.71
14	A5	831	CLA	C4A-NA-C1A	4.42	108.69	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B1	802	CLA	C4A-NA-C1A	4.42	108.69	106.71
14	K5	101	CLA	C4A-NA-C1A	4.42	108.69	106.71
14	A2	1635	CLA	C2C-C1C-NC	4.42	114.11	109.97
14	A2	1604	CLA	C1D-ND-C4D	-4.42	103.20	106.33
14	K3	1401	CLA	C1D-ND-C4D	-4.42	103.20	106.33
14	A5	834	CLA	C1D-ND-C4D	-4.42	103.20	106.33
14	B1	810	CLA	C1D-ND-C4D	-4.41	103.20	106.33
14	A1	815	CLA	C4A-NA-C1A	4.41	108.69	106.71
14	B2	839	CLA	C1D-ND-C4D	-4.41	103.20	106.33
14	A5	808	CLA	C4A-NA-C1A	4.41	108.69	106.71
14	J2	101	CLA	O2D-CGD-CBD	4.41	119.10	111.27
14	A2	1625	CLA	C1D-ND-C4D	-4.41	103.20	106.33
14	A4	829	CLA	C1D-ND-C4D	-4.41	103.20	106.33
14	K6	1401	CLA	C1D-ND-C4D	-4.40	103.21	106.33
14	A3	822	CLA	O2D-CGD-CBD	4.40	119.09	111.27
14	A2	1601	CLA	O2D-CGD-CBD	4.40	119.09	111.27
14	A5	827	CLA	O2D-CGD-CBD	4.40	119.09	111.27
14	A5	823	CLA	O2D-CGD-CBD	4.40	119.08	111.27
14	A4	833	CLA	C1D-ND-C4D	-4.40	103.21	106.33
14	F5	1301	CLA	C4A-NA-C1A	4.40	108.68	106.71
14	B6	832	CLA	O2D-CGD-CBD	4.40	119.08	111.27
14	B2	820	CLA	O2D-CGD-CBD	4.40	119.08	111.27
14	A4	837	CLA	O2D-CGD-CBD	4.40	119.08	111.27
14	M3	1601	CLA	O2D-CGD-CBD	4.39	119.08	111.27
14	B3	1836	CLA	O2D-CGD-CBD	4.39	119.07	111.27
14	A1	830	CLA	C4A-NA-C1A	4.39	108.68	106.71
14	J5	102	CLA	C4A-NA-C1A	4.39	108.68	106.71
14	A4	826	CLA	C4A-NA-C1A	4.39	108.68	106.71
14	A5	834	CLA	C4A-NA-C1A	4.39	108.68	106.71
14	K4	1401	CLA	C1D-ND-C4D	-4.38	103.22	106.33
14	A2	1629	CLA	C4A-NA-C1A	4.38	108.68	106.71
14	B5	1842	CLA	C2C-C1C-NC	4.38	114.08	109.97
14	A3	818	CLA	C1D-ND-C4D	-4.38	103.22	106.33
14	B1	835	CLA	C4A-NA-C1A	4.38	108.68	106.71
14	A1	839	CLA	C2C-C1C-NC	4.38	114.08	109.97
14	L6	203	CLA	C1D-ND-C4D	-4.38	103.23	106.33
14	A3	831	CLA	O2D-CGD-CBD	4.37	119.04	111.27
14	B6	814	CLA	C1D-ND-C4D	-4.37	103.23	106.33
14	A2	1629	CLA	O2D-CGD-CBD	4.37	119.04	111.27
14	A5	822	CLA	O2D-CGD-CBD	4.37	119.04	111.27
14	B3	1833	CLA	O2D-CGD-CBD	4.37	119.03	111.27
14	B3	1843	CLA	C4A-NA-C1A	4.37	108.67	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B2	831	CLA	O2D-CGD-CBD	4.37	119.03	111.27
14	A3	807	CLA	C1D-ND-C4D	-4.37	103.23	106.33
14	B4	824	CLA	C1D-ND-C4D	-4.37	103.23	106.33
14	A3	827	CLA	C4A-NA-C1A	4.36	108.67	106.71
14	A5	842	CLA	C2C-C1C-NC	4.36	114.06	109.97
14	J3	101	CLA	O2D-CGD-CBD	4.36	119.02	111.27
14	B2	808	CLA	C2C-C1C-NC	4.36	114.05	109.97
14	J1	101	CLA	O2D-CGD-CBD	4.36	119.01	111.27
14	A6	1630	CLA	C1D-ND-C4D	-4.36	103.24	106.33
14	A1	821	CLA	O2D-CGD-CBD	4.36	119.01	111.27
14	A5	811	CLA	C4A-NA-C1A	4.35	108.66	106.71
16	B3	1845	BCR	C38-C26-C25	4.35	129.42	124.53
14	A2	1619	CLA	C1D-ND-C4D	-4.35	103.24	106.33
14	A1	817	CLA	C1D-ND-C4D	-4.35	103.24	106.33
14	A4	817	CLA	C1D-ND-C4D	-4.35	103.24	106.33
16	I1	102	BCR	C2-C1-C6	4.35	117.17	110.48
14	B1	839	CLA	C4A-NA-C1A	4.34	108.66	106.71
14	A4	824	CLA	O2D-CGD-CBD	4.34	118.99	111.27
14	B2	827	CLA	C1D-ND-C4D	-4.34	103.25	106.33
16	A5	850	BCR	C40-C30-C25	4.34	117.34	110.30
16	I3	101	BCR	C2-C1-C6	4.34	117.17	110.48
14	B6	826	CLA	C4A-NA-C1A	4.34	108.66	106.71
14	B1	822	CLA	O2D-CGD-CBD	4.34	118.98	111.27
14	A3	823	CLA	O2D-CGD-CBD	4.34	118.98	111.27
14	A2	1605	CLA	O2D-CGD-CBD	4.34	118.98	111.27
14	L5	206	CLA	O2D-CGD-CBD	4.34	118.97	111.27
14	L6	208	CLA	O2D-CGD-CBD	4.33	118.97	111.27
14	B3	1823	CLA	O2D-CGD-CBD	4.33	118.97	111.27
16	B4	845	BCR	C38-C26-C25	4.33	129.39	124.53
16	I6	102	BCR	C2-C1-C6	4.33	117.15	110.48
14	B6	817	CLA	C1D-ND-C4D	-4.33	103.26	106.33
14	B3	1842	CLA	C2C-C1C-NC	4.33	114.03	109.97
14	A6	1622	CLA	O2D-CGD-CBD	4.33	118.96	111.27
14	B6	821	CLA	O2D-CGD-CBD	4.33	118.96	111.27
14	B3	1803	CLA	C2C-C1C-NC	4.33	114.03	109.97
14	B5	1835	CLA	C1D-ND-C4D	-4.33	103.26	106.33
14	A5	819	CLA	C4A-NA-C1A	4.32	108.65	106.71
14	B4	836	CLA	O2D-CGD-CBD	4.32	118.94	111.27
14	B1	841	CLA	C4A-NA-C1A	4.32	108.65	106.71
14	J1	102	CLA	C4A-NA-C1A	4.32	108.65	106.71
14	X5	101	CLA	O2D-CGD-CBD	4.32	118.94	111.27
14	A2	1645	CLA	C4A-NA-C1A	4.32	108.65	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B5	1834	CLA	C1D-ND-C4D	-4.32	103.27	106.33
14	A3	836	CLA	O2D-CGD-CBD	4.32	118.94	111.27
14	B3	1804	CLA	C2C-C1C-NC	4.31	114.01	109.97
16	A6	1648	BCR	C40-C30-C25	4.31	117.30	110.30
14	B3	1801	CLA	C4A-NA-C1A	4.31	108.64	106.71
14	B5	1836	CLA	O2D-CGD-CBD	4.31	118.93	111.27
14	A4	834	CLA	O2D-CGD-CBD	4.31	118.93	111.27
14	B6	824	CLA	O2D-CGD-CBD	4.31	118.92	111.27
14	A2	1642	CLA	C1D-ND-C4D	-4.31	103.28	106.33
14	A3	823	CLA	C1D-ND-C4D	-4.31	103.28	106.33
14	A6	1605	CLA	C4A-NA-C1A	4.30	108.64	106.71
14	B4	823	CLA	O2D-CGD-CBD	4.30	118.92	111.27
14	B4	803	CLA	C2C-C1C-NC	4.30	114.00	109.97
14	B1	831	CLA	O2D-CGD-CBD	4.30	118.91	111.27
14	K3	1401	CLA	O2D-CGD-CBD	4.30	118.91	111.27
14	A3	816	CLA	C4A-NA-C1A	4.30	108.64	106.71
16	A2	1652	BCR	C40-C30-C25	4.30	117.27	110.30
14	A4	838	CLA	C1D-ND-C4D	-4.30	103.28	106.33
14	A6	1625	CLA	O2D-CGD-CBD	4.30	118.90	111.27
14	B3	1832	CLA	O2D-CGD-CBD	4.29	118.90	111.27
14	B3	1834	CLA	C1D-ND-C4D	-4.29	103.28	106.33
14	B3	1809	CLA	C4A-NA-C1A	4.29	108.64	106.71
14	A1	807	CLA	O2D-CGD-CBD	4.29	118.89	111.27
14	A6	1618	CLA	C1D-ND-C4D	-4.29	103.29	106.33
14	A1	818	CLA	C4A-NA-C1A	4.29	108.63	106.71
14	A6	1627	CLA	O2D-CGD-CBD	4.28	118.88	111.27
14	A3	845	CLA	C4A-NA-C1A	4.28	108.63	106.71
14	B2	819	CLA	O2D-CGD-CBD	4.28	118.88	111.27
14	A4	841	CLA	C1D-ND-C4D	-4.28	103.29	106.33
14	A6	1634	CLA	C1D-ND-C4D	-4.28	103.29	106.33
14	B4	825	CLA	C1D-ND-C4D	-4.28	103.29	106.33
14	B2	823	CLA	O2D-CGD-CBD	4.28	118.88	111.27
14	A1	829	CLA	C1D-ND-C4D	-4.28	103.30	106.33
14	B2	815	CLA	C1D-ND-C4D	-4.28	103.30	106.33
14	A2	1644	CLA	C1D-ND-C4D	-4.28	103.30	106.33
16	A4	849	BCR	C40-C30-C25	4.28	117.23	110.30
14	B1	807	CLA	C4A-NA-C1A	4.28	108.63	106.71
14	B1	829	CLA	C2C-C1C-NC	4.27	113.98	109.97
14	B1	835	CLA	O2D-CGD-CBD	4.27	118.86	111.27
14	F3	202	CLA	C4A-NA-C1A	4.27	108.63	106.71
16	A1	847	BCR	C40-C30-C25	4.27	117.23	110.30
14	A3	843	CLA	C2C-C1C-NC	4.27	113.97	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B6	834	CLA	O2D-CGD-CBD	4.27	118.86	111.27
14	A1	802	CLA	C4A-NA-C1A	4.27	108.63	106.71
14	B2	837	CLA	C4A-NA-C1A	4.27	108.62	106.71
14	A5	825	CLA	O2D-CGD-CBD	4.27	118.85	111.27
14	A5	835	CLA	O2D-CGD-CBD	4.27	118.85	111.27
14	A3	830	CLA	C1D-ND-C4D	-4.26	103.31	106.33
14	B1	818	CLA	C1D-ND-C4D	-4.26	103.31	106.33
14	A6	1633	CLA	C1D-ND-C4D	-4.26	103.31	106.33
14	B3	1815	CLA	C4A-NA-C1A	4.26	108.62	106.71
14	F6	202	CLA	C4A-NA-C1A	4.26	108.62	106.71
14	A1	824	CLA	O2D-CGD-CBD	4.26	118.83	111.27
14	B1	809	CLA	C4A-NA-C1A	4.26	108.62	106.71
14	A5	843	CLA	C4A-NA-C1A	4.26	108.62	106.71
14	A3	806	CLA	O2A-CGA-CBA	4.25	125.25	111.91
14	B2	833	CLA	O2D-CGD-CBD	4.25	118.82	111.27
14	B3	1825	CLA	C1D-ND-C4D	-4.24	103.32	106.33
14	A5	814	CLA	O2D-CGD-CBD	4.24	118.81	111.27
16	B1	843	BCR	C38-C26-C25	4.24	129.29	124.53
16	B5	1845	BCR	C38-C26-C25	4.24	129.28	124.53
14	B4	835	CLA	C1D-ND-C4D	-4.24	103.33	106.33
14	A4	822	CLA	C1D-ND-C4D	-4.23	103.33	106.33
14	B5	1843	CLA	C4A-NA-C1A	4.23	108.61	106.71
14	B3	1836	CLA	C4A-NA-C1A	4.23	108.61	106.71
14	B4	801	CLA	O2D-CGD-CBD	4.23	118.78	111.27
16	A3	852	BCR	C40-C30-C25	4.23	117.16	110.30
14	B3	1820	CLA	O2D-CGD-CBD	4.23	118.78	111.27
14	A2	1641	CLA	C1D-ND-C4D	-4.23	103.33	106.33
14	A3	839	CLA	C1D-ND-C4D	-4.23	103.33	106.33
14	B5	1826	CLA	O2D-CGD-CBD	4.22	118.77	111.27
14	A2	1607	CLA	C4A-NA-C1A	4.22	108.61	106.71
16	I2	101	BCR	C2-C1-C6	4.22	116.98	110.48
14	B4	839	CLA	O2D-CGD-CBD	4.22	118.77	111.27
14	B1	801	CLA	C2C-C1C-NC	4.22	113.93	109.97
14	B2	807	CLA	C1D-ND-C4D	-4.22	103.34	106.33
14	B1	804	CLA	C2C-C1C-NC	4.22	113.93	109.97
14	B3	1808	CLA	C4A-NA-C1A	4.22	108.60	106.71
14	B2	826	CLA	O2A-CGA-CBA	4.22	125.15	111.91
14	B4	802	CLA	C1D-ND-C4D	-4.22	103.34	106.33
14	B6	822	CLA	C4A-NA-C1A	4.22	108.60	106.71
14	J6	1102	CLA	O2D-CGD-CBD	4.21	118.76	111.27
14	B5	1839	CLA	O2D-CGD-CBD	4.21	118.75	111.27
14	B4	818	CLA	O2D-CGD-CBD	4.21	118.75	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A4	804	CLA	C1D-ND-C4D	-4.21	103.34	106.33
14	B5	1819	CLA	C1D-ND-C4D	-4.21	103.34	106.33
14	M6	1201	CLA	C4A-NA-C1A	4.21	108.60	106.71
14	A5	816	CLA	C4A-NA-C1A	4.21	108.60	106.71
14	L3	204	CLA	O2D-CGD-CBD	4.20	118.74	111.27
14	A4	811	CLA	O2D-CGD-CBD	4.20	118.74	111.27
14	A5	829	CLA	C1D-ND-C4D	-4.20	103.35	106.33
14	J4	101	CLA	O2D-CGD-CBD	4.20	118.74	111.27
14	B1	810	CLA	C2C-C1C-NC	4.20	113.91	109.97
14	B6	816	CLA	C1D-ND-C4D	-4.20	103.35	106.33
16	B3	1846	BCR	C38-C26-C25	4.20	129.25	124.53
14	B6	816	CLA	O2D-CGD-CBD	4.20	118.74	111.27
14	A2	1637	CLA	O2D-CGD-CBD	4.20	118.73	111.27
14	B5	1831	CLA	C1D-ND-C4D	-4.20	103.35	106.33
14	A4	802	CLA	O2D-CGD-CBD	4.20	118.73	111.27
14	A2	1616	CLA	O2D-CGD-CBD	4.20	118.73	111.27
16	B6	850	BCR	C2-C1-C6	4.20	116.94	110.48
14	J5	101	CLA	O2D-CGD-CBD	4.20	118.72	111.27
14	A4	830	CLA	C1D-ND-C4D	-4.19	103.36	106.33
14	B3	1826	CLA	O2D-CGD-CBD	4.19	118.72	111.27
14	A4	841	CLA	C2C-C1C-NC	4.19	113.89	109.97
14	B3	1829	CLA	O2A-CGA-CBA	4.19	125.05	111.91
14	B1	833	CLA	C4A-NA-C1A	4.19	108.59	106.71
14	B5	1824	CLA	C4A-NA-C1A	4.19	108.59	106.71
14	B3	1835	CLA	C1D-ND-C4D	-4.18	103.36	106.33
14	A5	818	CLA	C1D-ND-C4D	-4.18	103.36	106.33
14	B2	827	CLA	C2C-C1C-NC	4.18	113.89	109.97
14	A2	1609	CLA	C4A-NA-C1A	4.18	108.58	106.71
14	A6	1619	CLA	C4A-NA-C1A	4.18	108.58	106.71
14	A3	835	CLA	C1D-ND-C4D	-4.18	103.37	106.33
16	I4	101	BCR	C2-C1-C6	4.17	116.91	110.48
14	A1	835	CLA	C1D-ND-C4D	-4.17	103.37	106.33
14	A3	802	CLA	C2C-C1C-NC	4.17	113.88	109.97
14	B6	802	CLA	C2C-C1C-NC	4.17	113.88	109.97
16	B4	846	BCR	C38-C26-C25	4.17	129.21	124.53
14	B2	828	CLA	C2C-C1C-NC	4.17	113.88	109.97
14	B4	801	CLA	C2C-C1C-NC	4.17	113.88	109.97
14	A6	1623	CLA	C1D-ND-C4D	-4.17	103.37	106.33
14	B3	1818	CLA	O2D-CGD-CBD	4.17	118.67	111.27
14	B1	840	CLA	O2D-CGD-CBD	4.16	118.67	111.27
14	A2	1634	CLA	O2D-CGD-CBD	4.16	118.67	111.27
14	A6	1635	CLA	O2D-CGD-CBD	4.16	118.66	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A2	1632	CLA	C1D-ND-C4D	-4.16	103.38	106.33
14	B3	1802	CLA	C1D-ND-C4D	-4.16	103.38	106.33
14	A5	838	CLA	CMD-C2D-C1D	4.16	132.04	124.71
14	B2	801	CLA	C2C-C1C-NC	4.15	113.86	109.97
14	A3	801	CLA	C2C-C1C-NC	4.15	113.86	109.97
14	A6	1614	CLA	O2D-CGD-CBD	4.15	118.64	111.27
14	A4	804	CLA	O2D-CGD-CBD	4.15	118.64	111.27
14	B1	825	CLA	O2D-CGD-CBD	4.15	118.64	111.27
14	B6	818	CLA	O2D-CGD-CBD	4.15	118.64	111.27
14	B1	802	CLA	C1D-ND-C4D	-4.15	103.39	106.33
14	L4	201	CLA	C1D-ND-C4D	-4.14	103.39	106.33
14	B2	836	CLA	O2D-CGD-CBD	4.14	118.63	111.27
14	A1	804	CLA	C4A-NA-C1A	4.14	108.57	106.71
14	B4	818	CLA	C1D-ND-C4D	-4.14	103.39	106.33
14	A6	1605	CLA	O2D-CGD-CBD	4.14	118.63	111.27
14	A2	1636	CLA	C1D-ND-C4D	-4.14	103.39	106.33
14	B1	832	CLA	O2D-CGD-CBD	4.14	118.63	111.27
14	B4	829	CLA	O2A-CGA-CBA	4.14	124.90	111.91
14	B4	807	CLA	C2C-C1C-NC	4.14	113.85	109.97
14	B5	1810	CLA	C2C-C1C-NC	4.14	113.85	109.97
14	B2	816	CLA	C1D-ND-C4D	-4.14	103.39	106.33
14	A6	1641	CLA	C4A-NA-C1A	4.14	108.57	106.71
14	A6	1639	CLA	C2C-C1C-NC	4.14	113.85	109.97
15	B5	1844	PQN	C15-C13-C12	-4.13	112.75	121.12
14	X1	1701	CLA	O2D-CGD-CBD	4.13	118.61	111.27
14	B4	826	CLA	O2D-CGD-CBD	4.13	118.61	111.27
14	B6	802	CLA	O2D-CGD-CBD	4.13	118.61	111.27
14	A5	802	CLA	C2C-C1C-NC	4.13	113.84	109.97
14	X2	1701	CLA	O2D-CGD-CBD	4.13	118.60	111.27
14	B1	801	CLA	O2D-CGD-CBD	4.13	118.60	111.27
14	B3	1810	CLA	C1D-ND-C4D	-4.13	103.40	106.33
14	B5	1803	CLA	C2C-C1C-NC	4.12	113.84	109.97
14	B2	821	CLA	C1D-ND-C4D	-4.12	103.41	106.33
14	A3	841	CLA	C2C-C1C-NC	4.12	113.83	109.97
14	B6	829	CLA	C2C-C1C-NC	4.12	113.83	109.97
14	B5	1820	CLA	O2D-CGD-CBD	4.12	118.59	111.27
14	A4	839	CLA	C2C-C1C-NC	4.12	113.83	109.97
15	B2	841	PQN	C15-C13-C12	-4.12	112.78	121.12
14	B1	820	CLA	C1D-ND-C4D	-4.12	103.41	106.33
14	B6	823	CLA	C1D-ND-C4D	-4.12	103.41	106.33
14	K5	102	CLA	C1D-ND-C4D	-4.12	103.41	106.33
14	B6	804	CLA	C2C-C1C-NC	4.11	113.83	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B2	816	CLA	C4A-NA-C1A	4.11	108.56	106.71
14	A3	803	CLA	C4A-NA-C1A	4.11	108.56	106.71
16	J5	105	BCR	C2-C1-C6	4.11	116.81	110.48
14	B6	817	CLA	C4A-NA-C1A	4.11	108.56	106.71
14	B6	828	CLA	C2C-C1C-NC	4.11	113.82	109.97
14	A3	804	CLA	C4A-NA-C1A	4.11	108.55	106.71
14	A6	1616	CLA	C1D-ND-C4D	-4.11	103.42	106.33
15	B6	842	PQN	C15-C13-C12	-4.11	112.80	121.12
14	B3	1830	CLA	C1D-ND-C4D	-4.11	103.42	106.33
15	B4	844	PQN	C15-C13-C12	-4.11	112.80	121.12
14	L1	202	CLA	C1D-ND-C4D	-4.11	103.42	106.33
14	B4	819	CLA	C1D-ND-C4D	-4.11	103.42	106.33
14	B1	819	CLA	O2D-CGD-CBD	4.11	118.57	111.27
14	B6	803	CLA	C1D-ND-C4D	-4.11	103.42	106.33
14	B5	1830	CLA	C2C-C1C-NC	4.11	113.82	109.97
14	B6	833	CLA	C1D-ND-C4D	-4.10	103.42	106.33
16	B6	843	BCR	C38-C26-C25	4.10	129.14	124.53
14	B5	1829	CLA	O2A-CGA-CBA	4.10	124.79	111.91
14	A2	1643	CLA	C4A-NA-C1A	4.10	108.55	106.71
14	L6	203	CLA	C2C-C1C-NC	4.10	113.81	109.97
14	A5	822	CLA	C1D-ND-C4D	-4.10	103.42	106.33
14	A3	824	CLA	C4A-NA-C1A	4.10	108.55	106.71
14	B3	1830	CLA	C2C-C1C-NC	4.10	113.81	109.97
14	B5	1833	CLA	O2D-CGD-CBD	4.10	118.56	111.27
14	B6	839	CLA	O2D-CGD-CBD	4.10	118.55	111.27
14	B6	838	CLA	O2D-CGD-CBD	4.10	118.55	111.27
14	B5	1836	CLA	C4A-NA-C1A	4.10	108.55	106.71
14	A6	1616	CLA	C4A-NA-C1A	4.10	108.55	106.71
14	B6	837	CLA	O2D-CGD-CBD	4.10	118.55	111.27
14	A1	837	CLA	C2C-C1C-NC	4.09	113.81	109.97
14	B4	810	CLA	C2C-C1C-NC	4.09	113.81	109.97
14	B5	1818	CLA	O2D-CGD-CBD	4.09	118.54	111.27
14	A6	1640	CLA	C1D-ND-C4D	-4.09	103.43	106.33
14	B2	812	CLA	O2D-CGD-CBD	4.09	118.54	111.27
14	B6	806	CLA	C4A-NA-C1A	4.09	108.55	106.71
14	B2	818	CLA	C1D-ND-C4D	-4.09	103.43	106.33
14	B3	1810	CLA	C2C-C1C-NC	4.09	113.80	109.97
14	A3	814	CLA	O2D-CGD-CBD	4.09	118.53	111.27
14	A6	1602	CLA	C2C-C1C-NC	4.09	113.80	109.97
14	A2	1603	CLA	C2C-C1C-NC	4.09	113.80	109.97
14	B1	803	CLA	C1D-ND-C4D	-4.09	103.43	106.33
14	B4	810	CLA	C1D-ND-C4D	-4.09	103.43	106.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A2	1603	CLA	O2D-CGD-CBD	4.08	118.53	111.27
14	A4	813	CLA	O2D-CGD-CBD	4.08	118.53	111.27
14	B1	824	CLA	C1D-ND-C4D	-4.08	103.43	106.33
14	A5	840	CLA	C2C-C1C-NC	4.08	113.80	109.97
14	A6	1639	CLA	C1D-ND-C4D	-4.08	103.44	106.33
14	B4	830	CLA	C2C-C1C-NC	4.08	113.79	109.97
14	A5	831	CLA	C1D-ND-C4D	-4.08	103.44	106.33
14	A5	830	CLA	C1D-ND-C4D	-4.07	103.44	106.33
14	A3	825	CLA	O2D-CGD-CBD	4.07	118.51	111.27
14	B1	803	CLA	C4A-NA-C1A	4.07	108.54	106.71
16	F4	204	BCR	C2-C1-C6	4.07	116.75	110.48
16	B5	1846	BCR	C38-C26-C25	4.07	129.10	124.53
14	B2	817	CLA	C4A-NA-C1A	4.07	108.53	106.71
14	A3	819	CLA	C4A-NA-C1A	4.07	108.53	106.71
14	A5	804	CLA	C4A-NA-C1A	4.07	108.53	106.71
14	B1	828	CLA	O2A-CGA-CBA	4.07	124.67	111.91
14	B6	827	CLA	O2D-CGD-CBD	4.07	118.49	111.27
14	A2	1618	CLA	C4A-NA-C1A	4.07	108.53	106.71
14	I6	101	CLA	C4A-NA-C1A	4.06	108.53	106.71
14	A5	806	CLA	CAA-C2A-C3A	-4.06	101.66	112.78
19	B3	1850	LMG	C30-C29-C28	4.06	128.38	113.62
14	B2	815	CLA	O2D-CGD-CBD	4.06	118.48	111.27
14	B6	841	CLA	C4A-NA-C1A	4.06	108.53	106.71
14	L3	205	CLA	O2D-CGD-CBD	4.06	118.48	111.27
14	A2	1627	CLA	O2D-CGD-CBD	4.06	118.48	111.27
14	A4	828	CLA	O2D-CGD-CBD	4.06	118.48	111.27
14	A6	1637	CLA	C1D-ND-C4D	-4.06	103.45	106.33
14	A5	824	CLA	C4A-NA-C1A	4.05	108.53	106.71
14	A3	840	CLA	C1D-ND-C4D	-4.05	103.45	106.33
14	A5	815	CLA	C1D-ND-C4D	-4.05	103.45	106.33
14	A6	1629	CLA	C1D-ND-C4D	-4.05	103.46	106.33
14	L1	207	CLA	O2D-CGD-CBD	4.05	118.47	111.27
14	A5	805	CLA	O2D-CGD-CBD	4.05	118.47	111.27
14	B4	843	CLA	C4A-NA-C1A	4.05	108.53	106.71
14	A1	801	CLA	C2C-C1C-NC	4.05	113.77	109.97
14	A3	822	CLA	C1D-ND-C4D	-4.05	103.46	106.33
14	A1	832	CLA	C4A-NA-C1A	4.05	108.53	106.71
14	B4	840	CLA	C4A-NA-C1A	4.05	108.53	106.71
14	L4	205	CLA	O2D-CGD-CBD	4.04	118.45	111.27
14	B6	829	CLA	C1D-ND-C4D	-4.04	103.46	106.33
14	A6	1607	CLA	C4A-NA-C1A	4.04	108.52	106.71
16	B6	844	BCR	C38-C26-C25	4.04	129.06	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B3	1815	CLA	O2D-CGD-CBD	4.04	118.44	111.27
14	A2	1639	CLA	C1D-ND-C4D	-4.04	103.47	106.33
14	B3	1839	CLA	O2D-CGD-CBD	4.04	118.44	111.27
14	B2	835	CLA	O2D-CGD-CBD	4.03	118.43	111.27
14	A2	1644	CLA	C2C-C1C-NC	4.03	113.75	109.97
14	A4	805	CLA	CAA-C2A-C3A	-4.03	101.74	112.78
14	B3	1824	CLA	C4A-NA-C1A	4.03	108.52	106.71
14	A2	1608	CLA	CAA-C2A-C3A	-4.03	101.75	112.78
14	B5	1841	CLA	O2D-CGD-CBD	4.03	118.42	111.27
14	A4	801	CLA	C2C-C1C-NC	4.03	113.75	109.97
14	A5	801	CLA	C2C-C1C-NC	4.03	113.74	109.97
14	A6	1603	CLA	C1D-ND-C4D	-4.02	103.48	106.33
14	B1	841	CLA	C2D-C1D-ND	4.02	113.07	110.10
14	B6	827	CLA	O2A-CGA-CBA	4.02	124.53	111.91
14	A2	1630	CLA	C2C-C1C-NC	4.02	113.74	109.97
14	B2	840	CLA	C4A-NA-C1A	4.02	108.51	106.71
14	A4	818	CLA	C4A-NA-C1A	4.02	108.51	106.71
19	B4	851	LMG	C30-C29-C28	4.02	128.23	113.62
14	A5	816	CLA	O2D-CGD-CBD	4.02	118.41	111.27
17	A5	851	LHG	C25-C24-C23	4.02	128.23	113.62
15	B3	1844	PQN	C15-C13-C12	-4.02	112.99	121.12
19	B6	848	LMG	C30-C29-C28	4.01	128.22	113.62
14	L4	205	CLA	C2C-C1C-NC	4.01	113.73	109.97
14	A1	805	CLA	C4A-NA-C1A	4.01	108.51	106.71
14	A2	1642	CLA	C2C-C1C-NC	4.01	113.73	109.97
14	B2	807	CLA	C2C-C1C-NC	4.01	113.73	109.97
17	A4	850	LHG	C25-C24-C23	4.01	128.21	113.62
14	A5	809	CLA	O2D-CGD-CBD	4.01	118.39	111.27
19	B1	850	LMG	C30-C29-C28	4.01	128.20	113.62
14	A2	1614	CLA	O2D-CGD-CBD	4.01	118.39	111.27
14	B6	822	CLA	C1D-ND-C4D	-4.01	103.49	106.33
16	B1	844	BCR	C38-C26-C25	4.01	129.03	124.53
14	A3	820	CLA	O2D-CGD-CBD	4.01	118.39	111.27
14	A3	829	CLA	O2D-CGD-CBD	4.01	118.39	111.27
14	L6	207	CLA	O2D-CGD-CBD	4.00	118.38	111.27
14	A5	806	CLA	C4A-NA-C1A	4.00	108.51	106.71
14	B6	808	CLA	C2C-C1C-NC	4.00	113.72	109.97
14	B1	807	CLA	O2D-CGD-CBD	4.00	118.38	111.27
14	A2	1608	CLA	C4A-NA-C1A	4.00	108.50	106.71
14	A2	1631	CLA	O2D-CGD-CBD	4.00	118.38	111.27
14	B2	804	CLA	O2D-CGD-CBD	4.00	118.37	111.27
14	A2	1624	CLA	C1D-ND-C4D	-4.00	103.50	106.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	B2	843	BCR	C38-C26-C25	4.00	129.01	124.53
15	B1	842	PQN	C15-C13-C12	-4.00	113.03	121.12
14	A1	822	CLA	C1D-ND-C4D	-3.99	103.50	106.33
14	B6	815	CLA	C4A-NA-C1A	3.99	108.50	106.71
16	B2	850	BCR	C2-C1-C6	3.99	116.63	110.48
14	B2	822	CLA	O2D-CGD-CBD	3.99	118.36	111.27
14	X4	102	CLA	O2D-CGD-CBD	3.99	118.36	111.27
14	B4	831	CLA	C2C-C1C-NC	3.99	113.71	109.97
14	A6	1639	CLA	C4A-NA-C1A	3.99	108.50	106.71
14	B1	839	CLA	O2D-CGD-CBD	3.99	118.35	111.27
14	A3	833	CLA	O2D-CGD-CBD	3.98	118.35	111.27
14	A1	823	CLA	C4A-NA-C1A	3.98	108.50	106.71
14	B3	1824	CLA	C1D-ND-C4D	-3.98	103.51	106.33
19	B5	1851	LMG	C30-C29-C28	3.98	128.09	113.62
19	B2	848	LMG	C30-C29-C28	3.98	128.09	113.62
14	B5	1807	CLA	C2C-C1C-NC	3.98	113.70	109.97
14	J4	101	CLA	C1D-ND-C4D	-3.98	103.51	106.33
14	A6	1619	CLA	C2C-C1C-NC	3.98	113.70	109.97
14	X3	102	CLA	O2D-CGD-CBD	3.98	118.33	111.27
17	A2	1653	LHG	C25-C24-C23	3.97	128.07	113.62
14	A2	1607	CLA	O2D-CGD-CBD	3.97	118.33	111.27
14	B6	826	CLA	O2D-CGD-CBD	3.97	118.33	111.27
14	B5	1813	CLA	C1D-ND-C4D	-3.97	103.51	106.33
14	B5	1817	CLA	C2D-C1D-ND	3.97	113.03	110.10
14	A6	1616	CLA	C2C-C1C-NC	3.97	113.69	109.97
14	B5	1839	CLA	C4A-NA-C1A	3.97	108.49	106.71
14	A4	832	CLA	C1D-ND-C4D	-3.97	103.51	106.33
14	A3	832	CLA	O2D-CGD-CBD	3.97	118.32	111.27
14	A1	804	CLA	CMD-C2D-C1D	3.97	131.71	124.71
14	L2	206	CLA	O2D-CGD-CBD	3.97	118.32	111.27
14	B4	808	CLA	C2C-C1C-NC	3.97	113.69	109.97
14	B1	817	CLA	O2D-CGD-CBD	3.97	118.32	111.27
14	A2	1642	CLA	C4A-NA-C1A	3.97	108.49	106.71
14	A3	802	CLA	O2D-CGD-CBD	3.97	118.32	111.27
14	A6	1606	CLA	CAA-C2A-C3A	-3.97	101.92	112.78
14	A1	836	CLA	CMD-C2D-C1D	3.97	131.70	124.71
14	A3	844	CLA	C4A-NA-C1A	3.96	108.49	106.71
14	A4	802	CLA	C4A-NA-C1A	3.96	108.49	106.71
14	A4	806	CLA	C4A-NA-C1A	3.96	108.49	106.71
14	B4	802	CLA	C4A-NA-C1A	3.96	108.49	106.71
14	B4	815	CLA	O2D-CGD-CBD	3.96	118.31	111.27
14	A2	1626	CLA	C4A-NA-C1A	3.96	108.49	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A1	805	CLA	CAA-C2A-C3A	-3.96	101.93	112.78
14	B5	1840	CLA	O2D-CGD-CBD	3.96	118.31	111.27
14	B3	1809	CLA	C2C-C1C-NC	3.96	113.68	109.97
14	A4	836	CLA	C1D-ND-C4D	-3.96	103.52	106.33
14	B6	836	CLA	O2D-CGD-CBD	3.96	118.30	111.27
14	A5	823	CLA	C2C-C1C-NC	3.96	113.68	109.97
14	B3	1805	CLA	C1D-ND-C4D	-3.96	103.52	106.33
14	B1	837	CLA	O2D-CGD-CBD	3.96	118.30	111.27
14	A5	829	CLA	O2D-CGD-CBD	3.96	118.30	111.27
14	A6	1640	CLA	O2A-CGA-CBA	3.96	124.32	111.91
14	B1	823	CLA	C4A-NA-C1A	3.95	108.48	106.71
14	B2	821	CLA	C4A-NA-C1A	3.95	108.48	106.71
14	A6	1629	CLA	O2D-CGD-CBD	3.95	118.29	111.27
14	J1	101	CLA	C4A-NA-C1A	3.95	108.48	106.71
14	A1	838	CLA	O2A-CGA-CBA	3.95	124.31	111.91
14	A4	828	CLA	C4A-NA-C1A	3.95	108.48	106.71
14	A3	816	CLA	C2C-C1C-NC	3.95	113.67	109.97
16	B3	1851	BCR	C2-C1-C6	3.95	116.56	110.48
14	B3	1840	CLA	C4A-NA-C1A	3.95	108.48	106.71
14	B4	815	CLA	C4A-NA-C1A	3.95	108.48	106.71
14	A1	811	CLA	O2D-CGD-CBD	3.95	118.28	111.27
14	X6	1701	CLA	O2D-CGD-CBD	3.95	118.28	111.27
14	A2	1642	CLA	O2D-CGD-CBD	3.95	118.28	111.27
14	B4	838	CLA	O2D-CGD-CBD	3.95	118.28	111.27
14	B5	1829	CLA	O2D-CGD-CBD	3.94	118.28	111.27
14	L5	203	CLA	C1D-ND-C4D	-3.94	103.53	106.33
14	B3	1838	CLA	O2D-CGD-CBD	3.94	118.28	111.27
14	A4	815	CLA	O2D-CGD-CBD	3.94	118.28	111.27
14	L4	204	CLA	O2D-CGD-CBD	3.94	118.27	111.27
14	B3	1802	CLA	C4A-NA-C1A	3.94	108.48	106.71
14	B6	813	CLA	O2D-CGD-CBD	3.94	118.27	111.27
14	A1	821	CLA	C1D-ND-C4D	-3.94	103.54	106.33
14	A3	812	CLA	O2D-CGD-CBD	3.94	118.26	111.27
14	A5	805	CLA	C4A-NA-C1A	3.94	108.48	106.71
14	L2	207	CLA	O2D-CGD-CBD	3.94	118.26	111.27
14	A2	1606	CLA	C1D-ND-C4D	-3.94	103.54	106.33
14	A2	1631	CLA	C1D-ND-C4D	-3.94	103.54	106.33
14	B3	1841	CLA	C2C-C1C-NC	3.93	113.66	109.97
14	B5	1816	CLA	C1D-ND-C4D	-3.93	103.54	106.33
14	A1	833	CLA	O2D-CGD-CBD	3.93	118.26	111.27
14	B2	804	CLA	C2C-C1C-NC	3.93	113.66	109.97
14	B5	1802	CLA	C1D-ND-C4D	-3.93	103.54	106.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B3	1807	CLA	C2C-C1C-NC	3.93	113.65	109.97
14	B6	806	CLA	O2D-CGD-CBD	3.92	118.24	111.27
14	A2	1635	CLA	O2D-CGD-CBD	3.92	118.24	111.27
14	A4	821	CLA	C1D-ND-C4D	-3.92	103.55	106.33
14	B3	1828	CLA	O2D-CGD-CBD	3.92	118.24	111.27
14	A4	827	CLA	C2C-C1C-NC	3.92	113.65	109.97
14	A5	824	CLA	C1D-ND-C4D	-3.92	103.55	106.33
14	B3	1841	CLA	O2D-CGD-CBD	3.92	118.23	111.27
14	A3	823	CLA	C2C-C1C-NC	3.92	113.64	109.97
17	A6	1650	LHG	O8-C23-C24	3.92	121.65	111.38
14	A6	1624	CLA	C4A-NA-C1A	3.91	108.47	106.71
17	A1	848	LHG	C25-C24-C23	3.91	127.86	113.62
16	A2	1649	BCR	C29-C30-C25	3.91	116.51	110.48
14	B1	811	CLA	C4A-NA-C1A	3.91	108.47	106.71
14	A2	1641	CLA	C4A-NA-C1A	3.91	108.47	106.71
14	A1	813	CLA	O2D-CGD-CBD	3.91	118.22	111.27
14	B4	809	CLA	C2C-C1C-NC	3.91	113.64	109.97
14	B1	816	CLA	C2D-C1D-ND	3.91	112.99	110.10
14	B2	840	CLA	C2D-C1D-ND	3.91	112.99	110.10
14	B5	1843	CLA	C2C-C1C-NC	3.91	113.64	109.97
14	B2	832	CLA	C1D-ND-C4D	-3.91	103.56	106.33
14	L6	208	CLA	C2C-C1C-NC	3.91	113.63	109.97
14	A4	822	CLA	C2C-C1C-NC	3.91	113.63	109.97
14	A2	1618	CLA	O2D-CGD-CBD	3.91	118.21	111.27
14	A1	804	CLA	O2D-CGD-CBD	3.91	118.21	111.27
14	A5	805	CLA	CMD-C2D-C1D	3.90	131.59	124.71
14	A2	1618	CLA	C2C-C1C-NC	3.90	113.63	109.97
14	B2	826	CLA	O2D-CGD-CBD	3.90	118.20	111.27
14	A5	812	CLA	O2D-CGD-CBD	3.90	118.20	111.27
14	B2	805	CLA	C2C-C1C-NC	3.90	113.63	109.97
14	A1	837	CLA	O2D-CGD-CBD	3.90	118.20	111.27
14	A2	1604	CLA	C2C-C1C-NC	3.90	113.62	109.97
14	B6	841	CLA	C2C-C1C-NC	3.90	113.62	109.97
14	I6	101	CLA	C2C-C1C-NC	3.90	113.62	109.97
14	B5	1831	CLA	C2C-C1C-NC	3.90	113.62	109.97
14	A6	1632	CLA	O2D-CGD-CBD	3.90	118.20	111.27
14	A6	1628	CLA	C1D-ND-C4D	-3.90	103.56	106.33
14	A5	801	CLA	C1D-ND-C4D	-3.90	103.56	106.33
14	B4	841	CLA	C2C-C1C-NC	3.90	113.62	109.97
14	B5	1843	CLA	O2D-CGD-CBD	3.90	118.19	111.27
14	A6	1620	CLA	O2D-CGD-CBD	3.90	118.19	111.27
14	J6	1101	CLA	C4A-NA-C1A	3.90	108.46	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A5	802	CLA	O2D-CGD-CBD	3.89	118.19	111.27
14	B4	824	CLA	C4A-NA-C1A	3.89	108.46	106.71
14	B4	808	CLA	C4A-NA-C1A	3.89	108.46	106.71
14	A5	819	CLA	C2C-C1C-NC	3.89	113.62	109.97
14	A3	842	CLA	O2A-CGA-CBA	3.89	124.12	111.91
14	B1	838	CLA	O2D-CGD-CBD	3.89	118.18	111.27
14	B3	1825	CLA	O2D-CGD-CBD	3.89	118.18	111.27
14	A6	1604	CLA	C4A-NA-C1A	3.89	108.45	106.71
14	B5	1808	CLA	C4A-NA-C1A	3.89	108.45	106.71
14	L2	206	CLA	C4A-NA-C1A	3.89	108.45	106.71
14	A3	834	CLA	C1D-ND-C4D	-3.89	103.57	106.33
14	A1	822	CLA	C2C-C1C-NC	3.89	113.61	109.97
14	B1	809	CLA	C2C-C1C-NC	3.89	113.61	109.97
14	A2	1618	CLA	C1D-ND-C4D	-3.88	103.58	106.33
14	B3	1831	CLA	C2C-C1C-NC	3.88	113.61	109.97
14	A4	837	CLA	CMD-C2D-C1D	3.88	131.56	124.71
14	A6	1612	CLA	O2D-CGD-CBD	3.88	118.17	111.27
14	B3	1821	CLA	C1D-ND-C4D	-3.88	103.58	106.33
14	A2	1625	CLA	C2C-C1C-NC	3.88	113.61	109.97
14	A2	1634	CLA	C2C-C1C-NC	3.88	113.61	109.97
14	A1	815	CLA	C1D-ND-C4D	-3.88	103.58	106.33
14	A6	1631	CLA	C4A-NA-C1A	3.88	108.45	106.71
14	B5	1802	CLA	C4A-NA-C1A	3.88	108.45	106.71
14	B4	816	CLA	C1D-ND-C4D	-3.88	103.58	106.33
14	B6	814	CLA	CMD-C2D-C1D	3.88	131.54	124.71
14	B5	1807	CLA	O2D-CGD-CBD	3.88	118.15	111.27
14	B1	826	CLA	C2C-C1C-NC	3.87	113.60	109.97
14	B2	836	CLA	C4A-NA-C1A	3.87	108.45	106.71
14	A3	805	CLA	C4A-NA-C1A	3.87	108.45	106.71
14	B1	840	CLA	C2C-C1C-NC	3.87	113.60	109.97
14	A4	831	CLA	C2C-C1C-NC	3.87	113.60	109.97
14	A3	806	CLA	CAA-C2A-C3A	-3.87	102.17	112.78
14	B6	807	CLA	C2C-C1C-NC	3.87	113.60	109.97
14	A5	829	CLA	C4A-NA-C1A	3.87	108.45	106.71
14	B5	1819	CLA	C4A-NA-C1A	3.87	108.45	106.71
14	B4	843	CLA	C2D-C1D-ND	3.87	112.96	110.10
14	B4	827	CLA	C1D-ND-C4D	-3.87	103.59	106.33
14	L6	202	CLA	C2C-C1C-NC	3.87	113.60	109.97
14	A2	1602	CLA	C2C-C1C-NC	3.87	113.60	109.97
14	A5	816	CLA	C2C-C1C-NC	3.87	113.59	109.97
14	A4	838	CLA	C4A-NA-C1A	3.87	108.44	106.71
14	B6	827	CLA	CMD-C2D-C1D	3.87	131.53	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	L1	206	CLA	O2D-CGD-CBD	3.86	118.14	111.27
14	B1	830	CLA	C2C-C1C-NC	3.86	113.59	109.97
14	B4	841	CLA	O2D-CGD-CBD	3.86	118.13	111.27
14	A1	827	CLA	C2C-C1C-NC	3.86	113.59	109.97
14	B1	802	CLA	O2A-CGA-CBA	3.86	124.02	111.91
14	A3	828	CLA	CMD-C2D-C1D	3.86	131.51	124.71
14	B4	814	CLA	O2D-CGD-CBD	3.86	118.12	111.27
14	A5	839	CLA	C1D-ND-C4D	-3.86	103.59	106.33
14	B1	823	CLA	C1D-ND-C4D	-3.86	103.59	106.33
14	A4	840	CLA	C4A-NA-C1A	3.86	108.44	106.71
14	A3	805	CLA	CMD-C2D-C1D	3.85	131.51	124.71
14	A1	828	CLA	O2D-CGD-CBD	3.85	118.12	111.27
14	B2	825	CLA	O2D-CGD-CBD	3.85	118.11	111.27
14	A4	840	CLA	O2A-CGA-CBA	3.85	124.00	111.91
14	A2	1621	CLA	C4A-NA-C1A	3.85	108.44	106.71
14	A1	815	CLA	C2C-C1C-NC	3.85	113.58	109.97
14	A3	843	CLA	C1D-ND-C4D	-3.85	103.60	106.33
14	A2	1605	CLA	C4A-NA-C1A	3.85	108.44	106.71
14	A4	815	CLA	C4A-NA-C1A	3.85	108.44	106.71
14	A6	1606	CLA	C4A-NA-C1A	3.85	108.44	106.71
14	B2	840	CLA	C2C-C1C-NC	3.85	113.58	109.97
14	M2	1201	CLA	C1D-ND-C4D	-3.85	103.60	106.33
14	B5	1825	CLA	O2D-CGD-CBD	3.85	118.10	111.27
14	A2	1643	CLA	O2A-CGA-CBA	3.85	123.98	111.91
14	A6	1632	CLA	C1D-ND-C4D	-3.85	103.60	106.33
16	J5	103	BCR	C29-C30-C25	3.85	116.40	110.48
14	B1	841	CLA	O2D-CGD-CBD	3.84	118.10	111.27
14	A1	818	CLA	C2C-C1C-NC	3.84	113.57	109.97
14	B4	825	CLA	O2D-CGD-CBD	3.84	118.10	111.27
14	A5	841	CLA	O2A-CGA-CBA	3.84	123.97	111.91
14	A5	826	CLA	C2D-C1D-ND	3.84	112.93	110.10
14	B6	838	CLA	C1D-ND-C4D	-3.84	103.61	106.33
14	A5	840	CLA	C1D-ND-C4D	-3.84	103.61	106.33
14	A4	819	CLA	O2D-CGD-CBD	3.84	118.09	111.27
14	B3	1843	CLA	C2D-C1D-ND	3.84	112.93	110.10
14	B5	1802	CLA	O2A-CGA-CBA	3.84	123.95	111.91
14	L2	207	CLA	C2C-C1C-NC	3.84	113.57	109.97
14	A3	841	CLA	C1D-ND-C4D	-3.84	103.61	106.33
14	A4	814	CLA	C1D-ND-C4D	-3.84	103.61	106.33
14	B2	812	CLA	C4A-NA-C1A	3.84	108.43	106.71
14	B2	822	CLA	C1D-ND-C4D	-3.84	103.61	106.33
14	B2	808	CLA	O2D-CGD-CBD	3.84	118.08	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B3	1814	CLA	O2D-CGD-CBD	3.84	118.08	111.27
14	A4	815	CLA	C2C-C1C-NC	3.83	113.56	109.97
14	B5	1843	CLA	C2D-C1D-ND	3.83	112.93	110.10
14	A3	828	CLA	C1D-ND-C4D	-3.83	103.61	106.33
14	B6	819	CLA	C1D-ND-C4D	-3.83	103.61	106.33
14	A1	830	CLA	C1D-ND-C4D	-3.83	103.62	106.33
14	B2	814	CLA	C2D-C1D-ND	3.83	112.92	110.10
14	B1	828	CLA	CMD-C2D-C1D	3.83	131.46	124.71
14	B3	1842	CLA	CMD-C2D-C1D	3.83	131.46	124.71
14	B5	1835	CLA	CMD-C2D-C1D	3.83	131.46	124.71
14	B4	816	CLA	C4A-NA-C1A	3.83	108.43	106.71
14	A3	805	CLA	O2D-CGD-CBD	3.83	118.06	111.27
14	A3	819	CLA	C2C-C1C-NC	3.82	113.56	109.97
14	A6	1638	CLA	C2C-C1C-NC	3.82	113.56	109.97
14	A6	1621	CLA	CMB-C2B-C3B	3.82	131.83	124.68
14	A6	1628	CLA	C2C-C1C-NC	3.82	113.55	109.97
14	B1	815	CLA	C1D-ND-C4D	-3.82	103.62	106.33
14	B5	1824	CLA	C1D-ND-C4D	-3.82	103.62	106.33
14	A1	831	CLA	O2D-CGD-CBD	3.82	118.06	111.27
14	B2	804	CLA	C4A-NA-C1A	3.82	108.42	106.71
14	B6	813	CLA	C4A-NA-C1A	3.82	108.42	106.71
14	B1	807	CLA	C2C-C1C-NC	3.82	113.55	109.97
14	A1	819	CLA	O2D-CGD-CBD	3.82	118.06	111.27
14	B5	1828	CLA	O2D-CGD-CBD	3.82	118.06	111.27
14	A5	841	CLA	C4A-NA-C1A	3.82	108.42	106.71
14	B2	817	CLA	O2D-CGD-CBD	3.82	118.05	111.27
14	B5	1821	CLA	C2C-C1C-NC	3.82	113.55	109.97
14	B6	841	CLA	O2D-CGD-CBD	3.82	118.05	111.27
14	L6	202	CLA	O2D-CGD-CBD	3.82	118.05	111.27
14	B4	834	CLA	C1D-ND-C4D	-3.82	103.62	106.33
14	B5	1827	CLA	C1D-ND-C4D	-3.82	103.62	106.33
14	B3	1802	CLA	C2C-C1C-NC	3.82	113.55	109.97
14	L1	201	CLA	C2C-C1C-NC	3.82	113.55	109.97
14	B5	1809	CLA	C2C-C1C-NC	3.82	113.55	109.97
14	A1	815	CLA	O2D-CGD-CBD	3.81	118.05	111.27
14	B6	831	CLA	C4A-NA-C1A	3.81	108.42	106.71
14	B6	841	CLA	C2D-C1D-ND	3.81	112.91	110.10
14	A5	832	CLA	O2D-CGD-CBD	3.81	118.04	111.27
14	A2	1640	CLA	CMD-C2D-C1D	3.81	131.43	124.71
16	B2	842	BCR	C2-C1-C6	3.81	116.35	110.48
14	B2	840	CLA	O2D-CGD-CBD	3.81	118.04	111.27
14	B4	817	CLA	C2D-C1D-ND	3.81	112.91	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A5	826	CLA	O2D-CGD-CBD	3.81	118.04	111.27
14	B6	809	CLA	O2D-CGD-CBD	3.81	118.04	111.27
14	B1	808	CLA	C4A-NA-C1A	3.81	108.42	106.71
14	A4	823	CLA	C4A-NA-C1A	3.81	108.42	106.71
14	A5	839	CLA	C4A-NA-C1A	3.81	108.42	106.71
17	A6	1649	LHG	C25-C24-C23	3.81	127.47	113.62
14	A2	1604	CLA	C4A-NA-C1A	3.81	108.42	106.71
14	A2	1622	CLA	O2D-CGD-CBD	3.80	118.03	111.27
16	B4	845	BCR	C2-C1-C6	3.80	116.34	110.48
14	A5	837	CLA	CMD-C2D-C1D	3.80	131.42	124.71
16	B1	852	BCR	C2-C1-C6	3.80	116.34	110.48
14	B6	815	CLA	C2D-C1D-ND	3.80	112.91	110.10
14	A2	1611	CLA	C1D-ND-C4D	-3.80	103.64	106.33
14	A6	1616	CLA	O2D-CGD-CBD	3.80	118.02	111.27
14	A2	1631	CLA	C4A-NA-C1A	3.80	108.41	106.71
14	A5	803	CLA	C4A-NA-C1A	3.80	108.41	106.71
14	B4	820	CLA	O2D-CGD-CBD	3.80	118.02	111.27
14	A3	821	CLA	CMB-C2B-C3B	3.80	131.78	124.68
16	B3	1851	BCR	C33-C5-C6	3.80	128.79	124.53
14	B2	806	CLA	C2C-C1C-NC	3.80	113.53	109.97
14	A4	803	CLA	C4A-NA-C1A	3.80	108.41	106.71
14	F1	1301	CLA	O2D-CGD-CBD	3.80	118.01	111.27
14	B4	827	CLA	C2C-C1C-NC	3.80	113.53	109.97
14	A4	840	CLA	O2D-CGD-CBD	3.80	118.01	111.27
14	B5	1841	CLA	C2C-C1C-NC	3.79	113.53	109.97
14	B5	1816	CLA	CMD-C2D-C1D	3.79	131.40	124.71
14	B6	839	CLA	C2C-C1C-NC	3.79	113.53	109.97
16	A3	849	BCR	C29-C30-C25	3.79	116.32	110.48
14	B2	818	CLA	C4A-NA-C1A	3.79	108.41	106.71
14	A6	1624	CLA	C1D-ND-C4D	-3.79	103.64	106.33
14	B6	806	CLA	C2C-C1C-NC	3.79	113.52	109.97
14	M1	1201	CLA	C1D-ND-C4D	-3.79	103.64	106.33
14	L3	205	CLA	C2C-C1C-NC	3.79	113.52	109.97
14	B2	806	CLA	C4A-NA-C1A	3.79	108.41	106.71
14	A6	1603	CLA	C2C-C1C-NC	3.79	113.52	109.97
14	A4	831	CLA	O2D-CGD-CBD	3.79	118.00	111.27
14	B1	838	CLA	C4A-NA-C1A	3.79	108.41	106.71
14	A3	840	CLA	C4A-NA-C1A	3.79	108.41	106.71
14	B2	813	CLA	CMD-C2D-C1D	3.78	131.38	124.71
14	B1	827	CLA	O2D-CGD-CBD	3.78	117.99	111.27
14	A6	1638	CLA	CMD-C2D-C1D	3.78	131.38	124.71
16	A6	1645	BCR	C29-C30-C25	3.78	116.30	110.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B4	816	CLA	CMD-C2D-C1D	3.78	131.38	124.71
14	A1	803	CLA	C1D-ND-C4D	-3.78	103.65	106.33
14	B5	1827	CLA	C2C-C1C-NC	3.78	113.51	109.97
14	B2	830	CLA	C4A-NA-C1A	3.78	108.41	106.71
14	B1	828	CLA	O2D-CGD-CBD	3.78	117.98	111.27
14	B3	1829	CLA	O2D-CGD-CBD	3.77	117.98	111.27
14	B6	825	CLA	C2C-C1C-NC	3.77	113.51	109.97
14	A3	838	CLA	C1D-ND-C4D	-3.77	103.66	106.33
14	B1	802	CLA	C2C-C1C-NC	3.77	113.51	109.97
14	A3	829	CLA	C1D-ND-C4D	-3.77	103.66	106.33
14	B3	1808	CLA	C2C-C1C-NC	3.77	113.50	109.97
14	A6	1626	CLA	C2D-C1D-ND	3.77	112.88	110.10
14	B1	841	CLA	C2C-C1C-NC	3.77	113.50	109.97
14	B4	843	CLA	C2C-C1C-NC	3.77	113.50	109.97
14	A6	1622	CLA	C1D-ND-C4D	-3.77	103.66	106.33
14	A1	835	CLA	CMD-C2D-C1D	3.77	131.35	124.71
14	A4	806	CLA	O2D-CGD-CBD	3.77	117.96	111.27
14	A4	832	CLA	O2D-CGD-CBD	3.77	117.96	111.27
14	B3	1808	CLA	CMD-C2D-C1D	3.76	131.35	124.71
14	A5	809	CLA	C1D-ND-C4D	-3.76	103.66	106.33
14	A1	805	CLA	C2C-C1C-NC	3.76	113.50	109.97
16	B3	1845	BCR	C2-C1-C6	3.76	116.28	110.48
14	A1	832	CLA	C1D-ND-C4D	-3.76	103.66	106.33
14	B4	838	CLA	C2C-C1C-NC	3.76	113.50	109.97
14	B6	807	CLA	C4A-NA-C1A	3.76	108.40	106.71
17	A1	849	LHG	O8-C23-C24	3.76	121.24	111.38
14	A2	1626	CLA	C1D-ND-C4D	-3.76	103.66	106.33
14	B6	833	CLA	CMD-C2D-C1D	3.76	131.34	124.71
14	A5	821	CLA	CMB-C2B-C3B	3.76	131.71	124.68
14	B3	1843	CLA	C2C-C1C-NC	3.76	113.49	109.97
14	B4	802	CLA	C2C-C1C-NC	3.76	113.49	109.97
14	M2	1201	CLA	C2C-C1C-NC	3.76	113.49	109.97
16	I5	102	BCR	C37-C22-C21	-3.76	117.66	122.92
14	B5	1814	CLA	O2D-CGD-CBD	3.76	117.94	111.27
14	B5	1808	CLA	C2C-C1C-NC	3.76	113.49	109.97
14	B3	1807	CLA	O2D-CGD-CBD	3.76	117.94	111.27
14	B3	1806	CLA	CMD-C2D-C1D	3.76	131.33	124.71
14	A5	833	CLA	O2D-CGD-CBD	3.75	117.94	111.27
14	B6	832	CLA	C4A-NA-C1A	3.75	108.39	106.71
14	A3	816	CLA	O2D-CGD-CBD	3.75	117.94	111.27
14	A3	826	CLA	C2D-C1D-ND	3.75	112.87	110.10
14	M1	1201	CLA	CMD-C2D-C1D	3.75	131.32	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	L1	206	CLA	C2D-C1D-ND	3.75	112.87	110.10
14	A3	811	CLA	C2C-C1C-NC	3.75	113.48	109.97
14	A5	828	CLA	C2C-C1C-NC	3.75	113.48	109.97
14	A5	811	CLA	C2C-C1C-NC	3.75	113.48	109.97
14	A5	804	CLA	C2C-C1C-NC	3.75	113.48	109.97
14	B4	839	CLA	C4A-NA-C1A	3.75	108.39	106.71
14	A5	820	CLA	O2D-CGD-CBD	3.75	117.92	111.27
16	A4	846	BCR	C29-C30-C25	3.74	116.25	110.48
14	B2	811	CLA	O2D-CGD-CBD	3.74	117.92	111.27
14	A4	825	CLA	C2D-C1D-ND	3.74	112.86	110.10
16	B6	843	BCR	C2-C1-C6	3.74	116.24	110.48
16	L4	208	BCR	C33-C5-C6	3.74	128.73	124.53
14	B3	1818	CLA	C1D-ND-C4D	-3.74	103.68	106.33
14	B5	1821	CLA	C1D-ND-C4D	-3.74	103.68	106.33
14	B1	828	CLA	C2C-C1C-NC	3.74	113.48	109.97
14	B2	827	CLA	O2A-CGA-CBA	3.74	123.65	111.91
14	A1	825	CLA	C2D-C1D-ND	3.74	112.86	110.10
14	A1	820	CLA	CMB-C2B-C3B	3.74	131.68	124.68
14	A1	810	CLA	C2C-C1C-NC	3.74	113.48	109.97
14	B2	824	CLA	C2C-C1C-NC	3.74	113.48	109.97
14	B1	834	CLA	C1D-ND-C4D	-3.74	103.68	106.33
14	A2	1621	CLA	C2C-C1C-NC	3.74	113.47	109.97
14	A5	837	CLA	C4A-NA-C1A	3.74	108.39	106.71
14	A4	823	CLA	C1D-ND-C4D	-3.74	103.68	106.33
14	A1	827	CLA	CMD-C2D-C1D	3.74	131.30	124.71
14	A2	1635	CLA	C4A-NA-C1A	3.73	108.39	106.71
14	A3	839	CLA	C2C-C1C-NC	3.73	113.47	109.97
14	L1	201	CLA	O2D-CGD-CBD	3.73	117.90	111.27
14	A4	810	CLA	C2C-C1C-NC	3.73	113.47	109.97
14	B3	1843	CLA	O2D-CGD-CBD	3.73	117.90	111.27
14	B4	802	CLA	O2A-CGA-CBA	3.73	123.62	111.91
14	B5	1806	CLA	C1D-ND-C4D	-3.73	103.69	106.33
14	A6	1623	CLA	C2C-C1C-NC	3.73	113.47	109.97
14	B1	808	CLA	CMD-C2D-C1D	3.73	131.29	124.71
14	A2	1628	CLA	O2D-CGD-CBD	3.73	117.89	111.27
14	B1	820	CLA	C4A-NA-C1A	3.73	108.38	106.71
14	B4	807	CLA	O2D-CGD-CBD	3.73	117.89	111.27
14	B4	811	CLA	O2D-CGD-CBD	3.73	117.89	111.27
14	A2	1609	CLA	CMD-C2D-C1D	3.73	131.28	124.71
14	B3	1830	CLA	O2A-CGA-CBA	3.73	123.60	111.91
14	A4	812	CLA	O2D-CGD-CBD	3.73	117.89	111.27
14	B1	808	CLA	C2C-C1C-NC	3.73	113.46	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A5	818	CLA	O2D-CGD-CBD	3.73	117.89	111.27
14	L4	201	CLA	C2C-C1C-NC	3.73	113.46	109.97
14	B4	842	CLA	CMD-C2D-C1D	3.72	131.28	124.71
14	A2	1608	CLA	C2C-C1C-NC	3.72	113.46	109.97
14	B4	829	CLA	O2D-CGD-CBD	3.72	117.89	111.27
16	A5	847	BCR	C29-C30-C25	3.72	116.21	110.48
14	A6	1609	CLA	C1D-ND-C4D	-3.72	103.69	106.33
14	A5	807	CLA	O2D-CGD-CBD	3.72	117.88	111.27
14	B3	1827	CLA	C2C-C1C-NC	3.72	113.46	109.97
14	A5	835	CLA	C1D-ND-C4D	-3.72	103.69	106.33
14	A5	832	CLA	C2C-C1C-NC	3.72	113.46	109.97
14	A3	832	CLA	C2C-C1C-NC	3.72	113.45	109.97
14	A2	1623	CLA	CMB-C2B-C3B	3.72	131.63	124.68
14	L5	205	CLA	O2D-CGD-CBD	3.72	117.87	111.27
16	B5	1845	BCR	C2-C1-C6	3.72	116.20	110.48
14	B1	833	CLA	CMD-C2D-C1D	3.72	131.26	124.71
14	B4	828	CLA	O2D-CGD-CBD	3.71	117.87	111.27
14	A4	818	CLA	C2C-C1C-NC	3.71	113.45	109.97
14	B4	806	CLA	C2C-C1C-NC	3.71	113.45	109.97
14	A3	816	CLA	C1D-ND-C4D	-3.71	103.70	106.33
14	A6	1603	CLA	C4A-NA-C1A	3.71	108.37	106.71
14	A6	1638	CLA	O2A-CGA-CBA	3.71	123.55	111.91
14	A3	828	CLA	C2C-C1C-NC	3.71	113.44	109.97
14	A2	1615	CLA	O2D-CGD-CBD	3.71	117.86	111.27
14	B5	1825	CLA	C1D-ND-C4D	-3.71	103.70	106.33
14	B4	840	CLA	O2D-CGD-CBD	3.71	117.85	111.27
14	B3	1817	CLA	C4A-NA-C1A	3.71	108.37	106.71
14	M2	1201	CLA	CMD-C2D-C1D	3.71	131.24	124.71
14	A1	837	CLA	C1D-ND-C4D	-3.71	103.70	106.33
14	A4	839	CLA	O2D-CGD-CBD	3.70	117.85	111.27
14	B3	1811	CLA	O2D-CGD-CBD	3.70	117.85	111.27
14	B1	810	CLA	O2A-CGA-CBA	3.70	123.53	111.91
14	B3	1840	CLA	O2D-CGD-CBD	3.70	117.85	111.27
14	A6	1628	CLA	CMD-C2D-C1D	3.70	131.24	124.71
14	B2	803	CLA	C1D-ND-C4D	-3.70	103.71	106.33
16	A1	844	BCR	C29-C30-C25	3.70	116.18	110.48
14	A4	825	CLA	O2D-CGD-CBD	3.70	117.84	111.27
14	B1	811	CLA	O2D-CGD-CBD	3.70	117.84	111.27
14	A3	839	CLA	CMD-C2D-C1D	3.70	131.23	124.71
14	A4	804	CLA	CMD-C2D-C1D	3.70	131.23	124.71
16	A3	848	BCR	C2-C1-C6	3.69	116.17	110.48
14	A6	1639	CLA	O2D-CGD-CBD	3.69	117.83	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B2	812	CLA	C2C-C1C-NC	3.69	113.43	109.97
16	I1	103	BCR	C33-C5-C6	3.69	128.68	124.53
14	B6	839	CLA	CMD-C2D-C1D	3.69	131.22	124.71
14	A4	820	CLA	CMB-C2B-C3B	3.69	131.59	124.68
14	B6	828	CLA	O2A-CGA-CBA	3.69	123.50	111.91
14	A5	823	CLA	CMD-C2D-C1D	3.69	131.22	124.71
14	A3	841	CLA	C4A-NA-C1A	3.69	108.37	106.71
14	B3	1808	CLA	C1D-ND-C4D	-3.69	103.71	106.33
14	L1	202	CLA	C2C-C1C-NC	3.69	113.43	109.97
14	A4	805	CLA	C2C-C1C-NC	3.69	113.43	109.97
14	A2	1640	CLA	O2A-CGA-CBA	3.69	123.49	111.91
14	I1	101	CLA	CMD-C2D-C1D	3.69	131.22	124.71
14	A1	838	CLA	O2D-CGD-CBD	3.69	117.83	111.27
14	B5	1841	CLA	CMD-C2D-C1D	3.69	131.22	124.71
14	A1	826	CLA	CMD-C2D-C1D	3.69	131.21	124.71
14	B3	1802	CLA	O2A-CGA-CBA	3.69	123.48	111.91
14	B2	829	CLA	CMD-C2D-C1D	3.69	131.21	124.71
14	A6	1605	CLA	CMD-C2D-C1D	3.69	131.21	124.71
16	B1	843	BCR	C2-C1-C6	3.69	116.16	110.48
14	A1	801	CLA	C1D-ND-C4D	-3.69	103.72	106.33
14	B1	806	CLA	C1D-ND-C4D	-3.69	103.72	106.33
14	B6	812	CLA	O2D-CGD-CBD	3.69	117.82	111.27
14	B6	837	CLA	C4A-NA-C1A	3.69	108.36	106.71
14	A5	818	CLA	C4A-NA-C1A	3.69	108.36	106.71
14	A3	823	CLA	CMD-C2D-C1D	3.69	131.21	124.71
14	A5	816	CLA	C1D-ND-C4D	-3.69	103.72	106.33
16	J2	103	BCR	C2-C1-C6	3.69	116.15	110.48
16	L2	201	BCR	C33-C5-C6	3.68	128.66	124.53
14	L2	202	CLA	C2C-C1C-NC	3.68	113.42	109.97
14	L5	203	CLA	C2C-C1C-NC	3.68	113.42	109.97
14	A6	1637	CLA	C4A-NA-C1A	3.68	108.36	106.71
14	A4	825	CLA	C2C-C1C-NC	3.68	113.42	109.97
14	A5	828	CLA	C1D-ND-C4D	-3.68	103.72	106.33
14	B3	1817	CLA	C2D-C1D-ND	3.68	112.82	110.10
14	A5	828	CLA	CMD-C2D-C1D	3.68	131.20	124.71
14	A4	805	CLA	C4A-NA-C1A	3.68	108.36	106.71
14	A4	820	CLA	C4A-NA-C1A	3.68	108.36	106.71
14	B5	1810	CLA	O2A-CGA-CBA	3.68	123.46	111.91
17	A3	854	LHG	O8-C23-C24	3.68	121.03	111.38
14	B5	1811	CLA	O2D-CGD-CBD	3.68	117.81	111.27
16	A2	1651	BCR	C38-C26-C25	3.68	128.66	124.53
14	A5	807	CLA	C4A-NA-C1A	3.68	108.36	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	L6	207	CLA	CMD-C2D-C1D	3.68	131.20	124.71
14	A3	813	CLA	C2C-C1C-NC	3.68	113.42	109.97
14	B2	838	CLA	O2D-CGD-CBD	3.68	117.80	111.27
14	A2	1604	CLA	O2A-CGA-CBA	3.68	123.45	111.91
14	B6	813	CLA	C2C-C1C-NC	3.68	113.42	109.97
14	B1	834	CLA	CMD-C2D-C1D	3.68	131.19	124.71
14	B4	806	CLA	CMD-C2D-C1D	3.68	131.19	124.71
14	B5	1816	CLA	C2C-C1C-NC	3.68	113.42	109.97
16	B5	1847	BCR	C37-C22-C21	-3.68	117.78	122.92
14	A6	1614	CLA	C4A-NA-C1A	3.67	108.36	106.71
14	A5	841	CLA	O2D-CGD-CBD	3.67	117.80	111.27
16	A4	845	BCR	C2-C1-C6	3.67	116.14	110.48
14	B5	1806	CLA	CMD-C2D-C1D	3.67	131.19	124.71
14	B2	831	CLA	C4A-NA-C1A	3.67	108.36	106.71
16	J2	102	BCR	C29-C30-C25	3.67	116.13	110.48
14	A2	1613	CLA	C2C-C1C-NC	3.67	113.41	109.97
14	B6	814	CLA	C2C-C1C-NC	3.67	113.41	109.97
14	A3	809	CLA	C1D-ND-C4D	-3.67	103.73	106.33
16	A6	1648	BCR	C2-C1-C6	3.67	116.13	110.48
14	B4	843	CLA	O2D-CGD-CBD	3.67	117.79	111.27
14	A2	1638	CLA	O2D-CGD-CBD	3.67	117.79	111.27
14	A2	1612	CLA	C2C-C1C-NC	3.67	113.41	109.97
14	B5	1829	CLA	C2C-C1C-NC	3.67	113.41	109.97
14	B2	838	CLA	C2C-C1C-NC	3.67	113.41	109.97
14	A2	1635	CLA	CMD-C2D-C1D	3.67	131.17	124.71
14	B1	818	CLA	C4A-NA-C1A	3.67	108.35	106.71
14	A6	1626	CLA	C2C-C1C-NC	3.67	113.41	109.97
14	A1	839	CLA	C1D-ND-C4D	-3.67	103.73	106.33
14	A2	1607	CLA	CMD-C2D-C1D	3.67	131.17	124.71
16	A1	843	BCR	C2-C1-C6	3.66	116.12	110.48
17	A5	852	LHG	O8-C23-C24	3.66	120.99	111.38
14	B5	1834	CLA	C4A-NA-C1A	3.66	108.35	106.71
16	A6	1647	BCR	C38-C26-C25	3.66	128.64	124.53
14	A1	825	CLA	O2D-CGD-CBD	3.66	117.77	111.27
16	J1	103	BCR	C29-C30-C25	3.66	116.12	110.48
14	A4	842	CLA	C2C-C1C-NC	3.66	113.40	109.97
14	L5	206	CLA	C2C-C1C-NC	3.66	113.40	109.97
14	F6	202	CLA	O2D-CGD-CBD	3.66	117.77	111.27
14	A2	1617	CLA	C1D-ND-C4D	-3.66	103.73	106.33
16	L6	201	BCR	C33-C5-C6	3.66	128.64	124.53
14	A4	801	CLA	C1D-ND-C4D	-3.66	103.74	106.33
14	B5	1838	CLA	C2C-C1C-NC	3.66	113.40	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B3	1816	CLA	CMD-C2D-C1D	3.66	131.16	124.71
14	L1	207	CLA	C2C-C1C-NC	3.66	113.40	109.97
14	A3	803	CLA	CMD-C2D-C1D	3.66	131.16	124.71
14	A6	1623	CLA	CMD-C2D-C1D	3.66	131.16	124.71
14	A4	837	CLA	O2A-CGA-CBA	3.65	123.38	111.91
16	B1	844	BCR	C34-C9-C10	-3.65	117.80	122.92
14	M6	1201	CLA	CMD-C2D-C1D	3.65	131.15	124.71
14	A6	1603	CLA	O2A-CGA-CBA	3.65	123.37	111.91
14	B4	827	CLA	CMD-C2D-C1D	3.65	131.15	124.71
14	B1	832	CLA	C4A-NA-C1A	3.65	108.35	106.71
14	B6	803	CLA	C4A-NA-C1A	3.65	108.35	106.71
14	J6	1103	CLA	C1D-ND-C4D	-3.65	103.74	106.33
16	B3	1846	BCR	C34-C9-C10	-3.65	117.81	122.92
14	B1	853	CLA	C1D-ND-C4D	-3.65	103.74	106.33
14	A4	808	CLA	C1D-ND-C4D	-3.65	103.74	106.33
14	L2	206	CLA	C2D-C1D-ND	3.65	112.79	110.10
14	B4	837	CLA	C2C-C1C-NC	3.65	113.39	109.97
14	B3	1829	CLA	CMD-C2D-C1D	3.65	131.14	124.71
14	B3	1835	CLA	CMD-C2D-C1D	3.64	131.13	124.71
16	L5	207	BCR	C33-C5-C6	3.64	128.62	124.53
14	A1	827	CLA	C1D-ND-C4D	-3.64	103.75	106.33
14	B3	1816	CLA	C1D-ND-C4D	-3.64	103.75	106.33
14	A6	1614	CLA	C1D-ND-C4D	-3.64	103.75	106.33
14	A1	803	CLA	C2C-C1C-NC	3.64	113.38	109.97
14	A3	811	CLA	C2D-C1D-ND	3.64	112.79	110.10
16	F3	201	BCR	C2-C1-C6	3.64	116.09	110.48
14	A1	838	CLA	C4A-NA-C1A	3.64	108.34	106.71
14	B5	1802	CLA	C2C-C1C-NC	3.64	113.38	109.97
14	B6	823	CLA	O2D-CGD-CBD	3.64	117.74	111.27
14	A6	1633	CLA	C2C-C1C-NC	3.64	113.38	109.97
14	B2	832	CLA	CMD-C2D-C1D	3.64	131.13	124.71
14	B1	813	CLA	O2D-CGD-CBD	3.64	117.73	111.27
14	A3	834	CLA	C2C-C1C-NC	3.64	113.38	109.97
16	F4	201	BCR	C33-C5-C6	3.64	128.61	124.53
14	A5	810	CLA	C2C-C1C-NC	3.64	113.38	109.97
16	B5	1846	BCR	C34-C9-C10	-3.64	117.83	122.92
14	B2	833	CLA	C1D-ND-C4D	-3.64	103.75	106.33
16	J3	104	BCR	C2-C1-C6	3.64	116.08	110.48
16	B2	844	BCR	C37-C22-C21	-3.64	117.83	122.92
14	F5	1301	CLA	O2D-CGD-CBD	3.63	117.73	111.27
14	B6	816	CLA	C4A-NA-C1A	3.63	108.34	106.71
14	B5	1815	CLA	O2D-CGD-CBD	3.63	117.73	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A6	1611	CLA	C2C-C1C-NC	3.63	113.38	109.97
14	A2	1611	CLA	O2A-CGA-CBA	3.63	123.31	111.91
14	A1	831	CLA	CMD-C2D-C1D	3.63	131.12	124.71
16	L2	208	BCR	C33-C5-C6	3.63	128.61	124.53
14	B3	1801	CLA	C1D-ND-C4D	-3.63	103.75	106.33
14	A6	1613	CLA	O2D-CGD-CBD	3.63	117.72	111.27
16	L4	206	BCR	C33-C5-C6	3.63	128.60	124.53
14	A6	1637	CLA	C2C-C1C-NC	3.63	113.37	109.97
14	A5	838	CLA	C2C-C1C-NC	3.63	113.37	109.97
14	B4	810	CLA	O2A-CGA-CBA	3.63	123.30	111.91
14	B6	807	CLA	CMD-C2D-C1D	3.63	131.11	124.71
14	L3	203	CLA	CMD-C2D-C1D	3.63	131.11	124.71
14	A6	1624	CLA	CMD-C2D-C1D	3.63	131.11	124.71
14	B5	1830	CLA	O2A-CGA-CBA	3.63	123.29	111.91
14	A4	806	CLA	CMD-C2D-C1D	3.63	131.11	124.71
14	B5	1829	CLA	CMD-C2D-C1D	3.63	131.11	124.71
14	A3	813	CLA	O2D-CGD-CBD	3.63	117.71	111.27
14	A2	1639	CLA	CMD-C2D-C1D	3.63	131.10	124.71
14	B3	1816	CLA	C2C-C1C-NC	3.62	113.37	109.97
14	A4	837	CLA	C2C-C1C-NC	3.62	113.37	109.97
14	A3	806	CLA	C4A-NA-C1A	3.62	108.33	106.71
14	B4	817	CLA	C4A-NA-C1A	3.62	108.33	106.71
14	A3	826	CLA	C2C-C1C-NC	3.62	113.37	109.97
14	A1	834	CLA	O2A-CGA-CBA	3.62	123.28	111.91
14	B1	814	CLA	O2D-CGD-CBD	3.62	117.70	111.27
14	B2	805	CLA	C4A-NA-C1A	3.62	108.33	106.71
14	A6	1626	CLA	O2D-CGD-CBD	3.62	117.70	111.27
14	A2	1606	CLA	C2C-C1C-NC	3.62	113.36	109.97
14	B5	1840	CLA	C1D-ND-C4D	-3.62	103.76	106.33
16	L4	208	BCR	C2-C1-C6	3.62	116.05	110.48
14	B3	1832	CLA	CMD-C2D-C1D	3.62	131.09	124.71
14	A4	809	CLA	C2C-C1C-NC	3.62	113.36	109.97
14	F3	202	CLA	O2D-CGD-CBD	3.62	117.70	111.27
14	A3	838	CLA	C2C-C1C-NC	3.62	113.36	109.97
14	A6	1610	CLA	C2C-C1C-NC	3.62	113.36	109.97
14	B6	803	CLA	CMD-C2D-C1D	3.61	131.08	124.71
14	A2	1616	CLA	C4A-NA-C1A	3.61	108.33	106.71
14	A1	809	CLA	CMD-C2D-C1D	3.61	131.08	124.71
14	A5	833	CLA	CMD-C2D-C1D	3.61	131.08	124.71
14	A6	1609	CLA	O2D-CGD-CBD	3.61	117.69	111.27
14	B3	1810	CLA	O2A-CGA-CBA	3.61	123.25	111.91
14	B4	836	CLA	C1D-ND-C4D	-3.61	103.77	106.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A2	1611	CLA	C2C-C1C-NC	3.61	113.36	109.97
14	B4	821	CLA	C2C-C1C-NC	3.61	113.36	109.97
14	A6	1640	CLA	O2D-CGD-CBD	3.61	117.69	111.27
14	A2	1609	CLA	O2D-CGD-CBD	3.61	117.69	111.27
14	A1	817	CLA	C4A-NA-C1A	3.61	108.33	106.71
14	B6	811	CLA	C4A-NA-C1A	3.61	108.33	106.71
14	B1	837	CLA	C2C-C1C-NC	3.61	113.36	109.97
16	A3	851	BCR	C38-C26-C25	3.61	128.58	124.53
14	B1	815	CLA	C2C-C1C-NC	3.61	113.35	109.97
14	B6	808	CLA	O2A-CGA-CBA	3.61	123.23	111.91
14	A4	820	CLA	C1D-ND-C4D	-3.61	103.77	106.33
14	A6	1631	CLA	C1D-ND-C4D	-3.61	103.77	106.33
14	A5	825	CLA	C4A-NA-C1A	3.61	108.33	106.71
14	A1	809	CLA	C2C-C1C-NC	3.61	113.35	109.97
14	A5	807	CLA	C2C-C1C-NC	3.61	113.35	109.97
16	A4	849	BCR	C2-C1-C6	3.61	116.03	110.48
14	B3	1815	CLA	C2C-C1C-NC	3.61	113.35	109.97
14	A4	803	CLA	C2C-C1C-NC	3.61	113.35	109.97
14	B5	1838	CLA	O2D-CGD-CBD	3.61	117.67	111.27
14	A1	819	CLA	CMD-C2D-C1D	3.61	131.07	124.71
14	A3	824	CLA	CMD-C2D-C1D	3.61	131.07	124.71
14	A3	801	CLA	C1D-ND-C4D	-3.61	103.77	106.33
14	B5	1808	CLA	CMD-C2D-C1D	3.60	131.06	124.71
14	A4	815	CLA	C1D-ND-C4D	-3.60	103.78	106.33
14	B4	807	CLA	C4A-NA-C1A	3.60	108.33	106.71
16	F6	201	BCR	C2-C1-C6	3.60	116.03	110.48
16	J4	103	BCR	C29-C30-C25	3.60	116.03	110.48
14	B6	822	CLA	O2D-CGD-CBD	3.60	117.67	111.27
14	A3	824	CLA	C2C-C1C-NC	3.60	113.34	109.97
14	A5	810	CLA	CMD-C2D-C1D	3.60	131.06	124.71
14	A1	816	CLA	O2D-CGD-CBD	3.60	117.66	111.27
16	L1	209	BCR	C33-C5-C6	3.60	128.57	124.53
16	J1	103	BCR	C38-C26-C25	3.60	128.57	124.53
14	B5	1817	CLA	C4A-NA-C1A	3.60	108.32	106.71
14	A2	1630	CLA	CMD-C2D-C1D	3.60	131.05	124.71
14	A1	817	CLA	O2D-CGD-CBD	3.59	117.66	111.27
14	B3	1821	CLA	C4A-NA-C1A	3.59	108.32	106.71
16	F4	204	BCR	C33-C5-C6	3.59	128.56	124.53
14	A3	839	CLA	O2A-CGA-CBA	3.59	123.19	111.91
14	B1	819	CLA	CMB-C2B-C3B	3.59	131.40	124.68
16	B4	846	BCR	C34-C9-C10	-3.59	117.89	122.92
14	A1	806	CLA	O2D-CGD-CBD	3.59	117.65	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B2	837	CLA	O2D-CGD-CBD	3.59	117.65	111.27
14	A3	842	CLA	O2D-CGD-CBD	3.59	117.65	111.27
16	F4	201	BCR	C2-C1-C6	3.59	116.01	110.48
16	A5	846	BCR	C2-C1-C6	3.59	116.01	110.48
14	A6	1637	CLA	CMD-C2D-C1D	3.59	131.04	124.71
16	B3	1847	BCR	C2-C1-C6	3.59	116.01	110.48
16	B4	847	BCR	C37-C22-C21	-3.59	117.89	122.92
14	J3	102	CLA	C1D-ND-C4D	-3.59	103.78	106.33
14	L2	207	CLA	C2D-C1D-ND	3.59	112.75	110.10
14	B4	835	CLA	CMD-C2D-C1D	3.59	131.04	124.71
14	B1	829	CLA	O2A-CGA-CBA	3.59	123.17	111.91
14	A2	1611	CLA	O2D-CGD-CBD	3.59	117.65	111.27
14	B1	840	CLA	CMD-C2D-C1D	3.59	131.04	124.71
16	L1	203	BCR	C37-C22-C21	-3.59	117.89	122.92
14	B4	820	CLA	CMB-C2B-C3B	3.59	131.39	124.68
14	A2	1615	CLA	C2C-C1C-NC	3.59	113.33	109.97
17	B2	849	LHG	O7-C7-C8	3.59	119.23	111.50
14	A3	807	CLA	C4A-NA-C1A	3.59	108.32	106.71
14	B2	817	CLA	CMB-C2B-C3B	3.59	131.39	124.68
14	B6	834	CLA	C1D-ND-C4D	-3.59	103.79	106.33
14	B2	834	CLA	C2C-C1C-NC	3.59	113.33	109.97
14	A6	1613	CLA	C2C-C1C-NC	3.59	113.33	109.97
14	L2	206	CLA	CMD-C2D-C1D	3.59	131.03	124.71
14	F4	202	CLA	O2D-CGD-CBD	3.59	117.64	111.27
16	B3	1846	BCR	C29-C30-C25	3.59	116.00	110.48
14	A1	823	CLA	C2C-C1C-NC	3.58	113.33	109.97
14	B6	835	CLA	C2C-C1C-NC	3.58	113.33	109.97
14	B4	841	CLA	CMD-C2D-C1D	3.58	131.03	124.71
14	B2	826	CLA	C3C-C4C-NC	3.58	114.59	110.57
14	A1	806	CLA	C4A-NA-C1A	3.58	108.32	106.71
14	B5	1816	CLA	C4A-NA-C1A	3.58	108.32	106.71
14	A1	808	CLA	O2D-CGD-CBD	3.58	117.64	111.27
14	B4	830	CLA	O2A-CGA-CBA	3.58	123.15	111.91
14	A1	822	CLA	CMD-C2D-C1D	3.58	131.03	124.71
16	L3	206	BCR	C33-C5-C6	3.58	128.55	124.53
16	B6	845	BCR	C37-C22-C21	-3.58	117.91	122.92
14	B3	1819	CLA	C4A-NA-C1A	3.58	108.32	106.71
14	L4	205	CLA	C2D-C1D-ND	3.58	112.74	110.10
14	L5	204	CLA	CMD-C2D-C1D	3.58	131.02	124.71
14	A3	841	CLA	O2D-CGD-CBD	3.58	117.63	111.27
14	A4	816	CLA	O2D-CGD-CBD	3.58	117.63	111.27
16	A6	1644	BCR	C2-C1-C6	3.58	115.99	110.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
17	A3	853	LHG	C25-C24-C23	3.58	126.64	113.62
14	A1	812	CLA	C2C-C1C-NC	3.58	113.33	109.97
14	A2	1639	CLA	C2C-C1C-NC	3.58	113.33	109.97
16	J3	103	BCR	C29-C30-C25	3.58	115.99	110.48
14	B1	820	CLA	O2D-CGD-CBD	3.58	117.63	111.27
14	A1	810	CLA	C2D-C1D-ND	3.58	112.74	110.10
14	A5	838	CLA	O2A-CGA-CBA	3.58	123.14	111.91
14	B2	814	CLA	C4A-NA-C1A	3.58	108.31	106.71
16	L3	201	BCR	C33-C5-C6	3.58	128.54	124.53
14	B3	1833	CLA	C4A-NA-C1A	3.57	108.31	106.71
14	B6	805	CLA	C1D-ND-C4D	-3.57	103.80	106.33
14	B2	813	CLA	C2C-C1C-NC	3.57	113.32	109.97
14	B4	832	CLA	CMD-C2D-C1D	3.57	131.01	124.71
17	B6	849	LHG	O7-C7-C8	3.57	119.20	111.50
14	A6	1609	CLA	C2C-C1C-NC	3.57	113.32	109.97
14	A1	823	CLA	C1D-ND-C4D	-3.57	103.80	106.33
14	A4	836	CLA	CMD-C2D-C1D	3.57	131.01	124.71
14	F2	202	CLA	C4A-NA-C1A	3.57	108.31	106.71
14	A5	819	CLA	C1D-ND-C4D	-3.57	103.80	106.33
16	L1	209	BCR	C2-C1-C6	3.57	115.98	110.48
16	J6	1104	BCR	C29-C30-C25	3.57	115.98	110.48
14	B6	840	CLA	CMD-C2D-C1D	3.57	131.01	124.71
14	A1	808	CLA	C2C-C1C-NC	3.57	113.32	109.97
14	A3	840	CLA	CMD-C2D-C1D	3.57	131.00	124.71
16	A3	852	BCR	C2-C1-C6	3.57	115.98	110.48
14	B2	835	CLA	C2C-C1C-NC	3.57	113.32	109.97
14	A3	810	CLA	C2C-C1C-NC	3.57	113.31	109.97
14	A5	809	CLA	O2A-CGA-CBA	3.57	123.11	111.91
16	B3	1847	BCR	C37-C22-C21	-3.57	117.92	122.92
14	A6	1611	CLA	C2D-C1D-ND	3.57	112.73	110.10
16	J5	104	BCR	C2-C1-C6	3.57	115.97	110.48
14	B2	839	CLA	CMD-C2D-C1D	3.57	131.00	124.71
16	J1	104	BCR	C2-C1-C6	3.57	115.97	110.48
14	A1	818	CLA	O2D-CGD-CBD	3.57	117.60	111.27
14	A4	835	CLA	O2D-CGD-CBD	3.57	117.60	111.27
14	L2	205	CLA	CMD-C2D-C1D	3.56	131.00	124.71
14	B5	1815	CLA	CMD-C2D-C1D	3.56	131.00	124.71
14	A5	836	CLA	O2D-CGD-CBD	3.56	117.60	111.27
14	B5	1840	CLA	CMD-C2D-C1D	3.56	130.99	124.71
14	B2	821	CLA	O2D-CGD-CBD	3.56	117.60	111.27
14	A5	827	CLA	CMD-C2D-C1D	3.56	130.99	124.71
14	M1	1201	CLA	C2C-C1C-NC	3.56	113.31	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A5	809	CLA	C2C-C1C-NC	3.56	113.31	109.97
14	A3	801	CLA	C2D-C1D-ND	3.56	112.73	110.10
14	B5	1820	CLA	CMB-C2B-C3B	3.56	131.34	124.68
14	B4	821	CLA	C4A-NA-C1A	3.56	108.31	106.71
14	B4	816	CLA	C2C-C1C-NC	3.56	113.31	109.97
14	A5	835	CLA	CMD-C2D-C1D	3.56	130.99	124.71
16	B6	844	BCR	C34-C9-C10	-3.56	117.94	122.92
14	B2	807	CLA	O2A-CGA-CBA	3.56	123.08	111.91
14	F4	202	CLA	C4A-NA-C1A	3.56	108.31	106.71
14	B2	826	CLA	C2C-C1C-NC	3.56	113.31	109.97
16	J6	1105	BCR	C2-C1-C6	3.56	115.96	110.48
14	L4	203	CLA	CMD-C2D-C1D	3.56	130.98	124.71
14	A4	840	CLA	CMD-C2D-C1D	3.56	130.98	124.71
14	B1	824	CLA	C4A-NA-C1A	3.56	108.31	106.71
14	A3	838	CLA	CMD-C2D-C1D	3.56	130.98	124.71
14	A4	808	CLA	O2A-CGA-CBA	3.56	123.07	111.91
14	A4	834	CLA	C1D-ND-C4D	-3.56	103.81	106.33
14	A5	824	CLA	C2C-C1C-NC	3.55	113.30	109.97
14	A1	813	CLA	C4A-NA-C1A	3.55	108.30	106.71
14	L1	202	CLA	CMD-C2D-C1D	3.55	130.97	124.71
16	B1	845	BCR	C37-C22-C21	-3.55	117.95	122.92
14	A5	840	CLA	O2D-CGD-CBD	3.55	117.58	111.27
14	B5	1842	CLA	CMD-C2D-C1D	3.55	130.97	124.71
14	A4	835	CLA	O2A-CGA-CBA	3.55	123.05	111.91
14	A4	838	CLA	CMD-C2D-C1D	3.55	130.97	124.71
14	B6	838	CLA	CMD-C2D-C1D	3.55	130.97	124.71
14	A2	1645	CLA	C2C-C1C-NC	3.55	113.30	109.97
14	B2	805	CLA	CMD-C2D-C1D	3.55	130.97	124.71
14	A2	1638	CLA	O2A-CGA-CBA	3.55	123.05	111.91
14	A3	818	CLA	O2D-CGD-CBD	3.55	117.58	111.27
14	B2	818	CLA	C2C-C1C-NC	3.55	113.30	109.97
14	K3	1401	CLA	C2C-C1C-NC	3.55	113.30	109.97
14	A6	1606	CLA	C2C-C1C-NC	3.55	113.30	109.97
14	L2	202	CLA	C1D-ND-C4D	-3.55	103.81	106.33
16	B1	848	BCR	C33-C5-C6	3.55	128.51	124.53
14	B2	838	CLA	CMD-C2D-C1D	3.55	130.97	124.71
14	A6	1609	CLA	O2A-CGA-CBA	3.55	123.04	111.91
14	B4	833	CLA	C4A-NA-C1A	3.55	108.30	106.71
14	A2	1601	CLA	CMD-C2D-C1D	3.55	130.97	124.71
14	B3	1820	CLA	C1D-ND-C4D	-3.55	103.81	106.33
14	A1	806	CLA	C2D-C1D-ND	3.55	112.72	110.10
16	A4	848	BCR	C38-C26-C25	3.55	128.51	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A6	1602	CLA	C1D-ND-C4D	-3.55	103.82	106.33
14	A3	809	CLA	C2C-C1C-NC	3.54	113.29	109.97
14	A3	837	CLA	O2A-CGA-CBA	3.54	123.03	111.91
14	A3	827	CLA	CMD-C2D-C1D	3.54	130.96	124.71
14	K1	1401	CLA	C4A-NA-C1A	3.54	108.30	106.71
14	B4	840	CLA	C1D-ND-C4D	-3.54	103.82	106.33
14	B4	840	CLA	CMD-C2D-C1D	3.54	130.96	124.71
14	L4	204	CLA	CMD-C2D-C1D	3.54	130.96	124.71
14	A4	827	CLA	CMD-C2D-C1D	3.54	130.96	124.71
14	B3	1820	CLA	CMB-C2B-C3B	3.54	131.31	124.68
14	B6	819	CLA	C2C-C1C-NC	3.54	113.29	109.97
14	A3	824	CLA	C1D-ND-C4D	-3.54	103.82	106.33
14	A5	801	CLA	C2D-C1D-ND	3.54	112.71	110.10
14	A2	1615	CLA	CMD-C2D-C1D	3.54	130.95	124.71
14	B6	828	CLA	CMD-C2D-C1D	3.54	130.95	124.71
16	I3	102	BCR	C37-C22-C21	-3.54	117.97	122.92
14	L4	204	CLA	C4A-NA-C1A	3.54	108.30	106.71
16	A2	1648	BCR	C2-C1-C6	3.54	115.93	110.48
16	A5	850	BCR	C2-C1-C6	3.54	115.93	110.48
14	A3	809	CLA	O2D-CGD-CBD	3.54	117.55	111.27
14	A3	826	CLA	O2D-CGD-CBD	3.54	117.55	111.27
14	B4	808	CLA	CMD-C2D-C1D	3.54	130.95	124.71
14	A5	840	CLA	C4A-NA-C1A	3.54	108.30	106.71
14	A1	836	CLA	O2A-CGA-CBA	3.54	123.00	111.91
14	A3	809	CLA	O2A-CGA-CBA	3.54	123.00	111.91
14	B1	835	CLA	C1D-ND-C4D	-3.54	103.82	106.33
16	A2	1652	BCR	C2-C1-C6	3.53	115.92	110.48
14	A2	1625	CLA	CMD-C2D-C1D	3.53	130.94	124.71
16	B1	848	BCR	C2-C1-C6	3.53	115.92	110.48
14	B6	814	CLA	C4A-NA-C1A	3.53	108.29	106.71
14	A4	807	CLA	C2D-C1D-ND	3.53	112.71	110.10
14	A1	825	CLA	C2C-C1C-NC	3.53	113.28	109.97
14	B3	1821	CLA	C2C-C1C-NC	3.53	113.28	109.97
14	A4	808	CLA	C2C-C1C-NC	3.53	113.28	109.97
14	B6	836	CLA	C2C-C1C-NC	3.53	113.28	109.97
14	B3	1806	CLA	C1D-ND-C4D	-3.53	103.83	106.33
14	A4	827	CLA	C1D-ND-C4D	-3.53	103.83	106.33
14	A1	835	CLA	C4A-NA-C1A	3.53	108.29	106.71
14	B4	805	CLA	C1D-ND-C4D	-3.53	103.83	106.33
14	A6	1610	CLA	O2D-CGD-CBD	3.53	117.54	111.27
14	B1	824	CLA	O2D-CGD-CBD	3.53	117.53	111.27
14	A4	808	CLA	O2D-CGD-CBD	3.53	117.53	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	B2	844	BCR	C2-C1-C6	3.53	115.91	110.48
14	A2	1640	CLA	C2C-C1C-NC	3.53	113.28	109.97
14	A4	810	CLA	C2D-C1D-ND	3.53	112.70	110.10
14	A5	808	CLA	C2D-C1D-ND	3.53	112.70	110.10
17	X5	102	LHG	O7-C7-C8	3.53	119.10	111.50
14	A2	1620	CLA	O2A-CGA-CBA	3.52	122.97	111.91
14	B2	817	CLA	C2C-C1C-NC	3.52	113.27	109.97
14	B4	813	CLA	CMD-C2D-C1D	3.52	130.92	124.71
14	A5	840	CLA	O2A-CGA-CBA	3.52	122.96	111.91
16	J5	105	BCR	C33-C5-C6	3.52	128.48	124.53
14	A3	812	CLA	C2C-C1C-NC	3.52	113.27	109.97
14	A4	828	CLA	C2C-C1C-NC	3.52	113.27	109.97
14	A5	806	CLA	C2C-C1C-NC	3.52	113.27	109.97
14	A2	1618	CLA	CMD-C2D-C1D	3.52	130.92	124.71
14	B6	834	CLA	CMD-C2D-C1D	3.52	130.92	124.71
14	B6	818	CLA	CMB-C2B-C3B	3.52	131.27	124.68
14	A5	812	CLA	C2C-C1C-NC	3.52	113.27	109.97
14	B4	803	CLA	C1D-ND-C4D	-3.52	103.83	106.33
14	A3	806	CLA	C2C-C1C-NC	3.52	113.27	109.97
16	A4	844	BCR	C38-C26-C25	3.52	128.48	124.53
14	A1	814	CLA	C1D-ND-C4D	-3.52	103.83	106.33
14	A1	838	CLA	CMD-C2D-C1D	3.52	130.91	124.71
14	B1	816	CLA	C4A-NA-C1A	3.52	108.29	106.71
14	B6	819	CLA	C4A-NA-C1A	3.52	108.29	106.71
14	J5	101	CLA	CMD-C2D-C1D	3.52	130.91	124.71
14	A2	1621	CLA	CMB-C2B-C3B	3.52	131.26	124.68
14	A4	811	CLA	C2C-C1C-NC	3.52	113.27	109.97
14	A5	813	CLA	C2C-C1C-NC	3.52	113.27	109.97
14	A3	833	CLA	CMD-C2D-C1D	3.52	130.91	124.71
14	B2	828	CLA	CMB-C2B-C3B	3.52	131.26	124.68
14	A6	1607	CLA	O2D-CGD-CBD	3.52	117.52	111.27
14	L6	206	CLA	CMD-C2D-C1D	3.52	130.91	124.71
14	A3	822	CLA	O2A-CGA-CBA	3.52	122.94	111.91
14	A4	806	CLA	C2C-C1C-NC	3.52	113.27	109.97
14	B5	1815	CLA	C4A-NA-C1A	3.51	108.29	106.71
16	L2	201	BCR	C2-C1-C6	3.51	115.89	110.48
14	B5	1837	CLA	C2C-C1C-NC	3.51	113.26	109.97
16	B2	843	BCR	C34-C9-C10	-3.51	118.00	122.92
14	B3	1838	CLA	C2C-C1C-NC	3.51	113.26	109.97
14	B6	830	CLA	CMD-C2D-C1D	3.51	130.90	124.71
14	A1	830	CLA	CMD-C2D-C1D	3.51	130.90	124.71
14	B3	1824	CLA	CMD-C2D-C1D	3.51	130.90	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A2	1623	CLA	C4A-NA-C1A	3.51	108.28	106.71
14	K2	1401	CLA	C2C-C1C-NC	3.51	113.26	109.97
14	B1	813	CLA	C2C-C1C-NC	3.51	113.26	109.97
14	A6	1624	CLA	C2C-C1C-NC	3.51	113.26	109.97
16	L2	203	BCR	C37-C22-C21	-3.51	118.01	122.92
14	A4	829	CLA	C4A-NA-C1A	3.51	108.28	106.71
17	A2	1654	LHG	O8-C23-C24	3.51	120.58	111.38
16	L6	209	BCR	C33-C5-C6	3.51	128.47	124.53
14	A4	839	CLA	C1D-ND-C4D	-3.51	103.84	106.33
14	A6	1625	CLA	CMD-C2D-C1D	3.51	130.90	124.71
14	A2	1628	CLA	C2D-C1D-ND	3.51	112.69	110.10
14	L5	205	CLA	C2D-C1D-ND	3.51	112.69	110.10
14	B5	1807	CLA	C4A-NA-C1A	3.51	108.28	106.71
14	A2	1643	CLA	O2D-CGD-CBD	3.51	117.50	111.27
16	B1	852	BCR	C33-C5-C6	3.51	128.47	124.53
14	A6	1607	CLA	C2C-C1C-NC	3.51	113.26	109.97
14	B5	1801	CLA	C1D-ND-C4D	-3.51	103.84	106.33
14	B4	826	CLA	C4A-NA-C1A	3.51	108.28	106.71
14	A5	826	CLA	C4A-NA-C1A	3.51	108.28	106.71
14	A3	804	CLA	C2C-C1C-NC	3.51	113.26	109.97
14	A6	1636	CLA	O2A-CGA-CBA	3.50	122.90	111.91
14	A5	836	CLA	O2A-CGA-CBA	3.50	122.90	111.91
14	A5	837	CLA	C2C-C1C-NC	3.50	113.25	109.97
14	A2	1628	CLA	C4A-NA-C1A	3.50	108.28	106.71
14	B4	825	CLA	CMD-C2D-C1D	3.50	130.89	124.71
14	A5	807	CLA	C2D-C1D-ND	3.50	112.69	110.10
14	A5	824	CLA	O2D-CGD-CBD	3.50	117.49	111.27
14	A4	812	CLA	C2C-C1C-NC	3.50	113.25	109.97
14	A1	801	CLA	C2D-C1D-ND	3.50	112.68	110.10
14	A4	821	CLA	O2A-CGA-CBA	3.50	122.88	111.91
14	B4	831	CLA	CMB-C2B-C3B	3.50	131.22	124.68
14	K1	1401	CLA	C2C-C1C-NC	3.50	113.25	109.97
16	A1	847	BCR	C2-C1-C6	3.50	115.86	110.48
14	B5	1821	CLA	C4A-NA-C1A	3.50	108.28	106.71
14	A1	818	CLA	O2A-CGA-CBA	3.49	122.88	111.91
14	F2	202	CLA	O2D-CGD-CBD	3.49	117.48	111.27
14	A6	1609	CLA	CMD-C2D-C1D	3.49	130.87	124.71
14	F3	202	CLA	C2C-C1C-NC	3.49	113.25	109.97
14	K4	1401	CLA	C2C-C1C-NC	3.49	113.25	109.97
14	A5	829	CLA	C2C-C1C-NC	3.49	113.25	109.97
14	B4	819	CLA	O2D-CGD-CBD	3.49	117.48	111.27
14	A5	813	CLA	O2D-CGD-CBD	3.49	117.48	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B5	1829	CLA	C3C-C4C-NC	3.49	114.49	110.57
16	B2	843	BCR	C29-C30-C25	3.49	115.86	110.48
14	A4	817	CLA	O2A-CGA-CBA	3.49	122.87	111.91
14	B5	1827	CLA	CMD-C2D-C1D	3.49	130.87	124.71
14	A3	814	CLA	C4A-NA-C1A	3.49	108.28	106.71
16	A5	849	BCR	C38-C26-C25	3.49	128.45	124.53
14	A1	828	CLA	C2C-C1C-NC	3.49	113.24	109.97
14	A3	818	CLA	O2A-CGA-CBA	3.49	122.86	111.91
14	A1	824	CLA	C4A-NA-C1A	3.49	108.28	106.71
14	B3	1813	CLA	CMD-C2D-C1D	3.49	130.86	124.71
14	A6	1619	CLA	O2D-CGD-CBD	3.49	117.47	111.27
14	A1	812	CLA	CMD-C2D-C1D	3.49	130.86	124.71
14	A6	1612	CLA	C2C-C1C-NC	3.49	113.24	109.97
14	A2	1641	CLA	CMD-C2D-C1D	3.49	130.86	124.71
14	B5	1834	CLA	CMD-C2D-C1D	3.49	130.86	124.71
14	A5	811	CLA	C2D-C1D-ND	3.49	112.67	110.10
14	A6	1622	CLA	O2A-CGA-CBA	3.49	122.85	111.91
14	A6	1604	CLA	C2C-C1C-NC	3.49	113.24	109.97
16	B2	847	BCR	C2-C1-C6	3.49	115.85	110.48
14	A2	1614	CLA	C2C-C1C-NC	3.48	113.24	109.97
14	A2	1639	CLA	C4A-NA-C1A	3.48	108.27	106.71
14	B1	814	CLA	C2C-C1C-NC	3.48	113.23	109.97
14	B3	1829	CLA	C2C-C1C-NC	3.48	113.23	109.97
17	B1	851	LHG	O7-C7-C8	3.48	119.01	111.50
14	A6	1610	CLA	CMD-C2D-C1D	3.48	130.85	124.71
14	B6	811	CLA	CMD-C2D-C1D	3.48	130.85	124.71
14	A1	831	CLA	C4A-NA-C1A	3.48	108.27	106.71
14	A3	844	CLA	C2C-C1C-NC	3.48	113.23	109.97
14	K5	101	CLA	C2C-C1C-NC	3.48	113.23	109.97
16	J4	104	BCR	C2-C1-C6	3.48	115.84	110.48
14	A4	812	CLA	CMD-C2D-C1D	3.48	130.85	124.71
14	B1	817	CLA	CMD-C2D-C1D	3.48	130.84	124.71
16	A6	1648	BCR	C32-C1-C6	3.48	115.94	110.30
14	A3	809	CLA	CMD-C2D-C1D	3.48	130.84	124.71
17	X4	101	LHG	O7-C7-C8	3.48	119.00	111.50
16	F2	201	BCR	C2-C1-C6	3.48	115.83	110.48
14	B2	812	CLA	CMD-C2D-C1D	3.48	130.84	124.71
14	A4	817	CLA	O2D-CGD-CBD	3.48	117.44	111.27
14	A5	826	CLA	C2C-C1C-NC	3.48	113.23	109.97
14	A1	820	CLA	C4A-NA-C1A	3.47	108.27	106.71
14	A2	1627	CLA	CMD-C2D-C1D	3.47	130.84	124.71
14	A3	821	CLA	C1D-ND-C4D	-3.47	103.87	106.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B2	831	CLA	CMD-C2D-C1D	3.47	130.84	124.71
14	B1	830	CLA	CMB-C2B-C3B	3.47	131.18	124.68
14	L5	205	CLA	CMD-C2D-C1D	3.47	130.83	124.71
14	B6	808	CLA	CMD-C2D-C1D	3.47	130.83	124.71
14	A2	1609	CLA	C2C-C1C-NC	3.47	113.22	109.97
14	B3	1816	CLA	C4A-NA-C1A	3.47	108.27	106.71
14	A6	1626	CLA	C4A-NA-C1A	3.47	108.27	106.71
14	A3	819	CLA	O2A-CGA-CBA	3.47	122.80	111.91
14	A5	841	CLA	CMD-C2D-C1D	3.47	130.83	124.71
14	B5	1818	CLA	CMD-C2D-C1D	3.47	130.83	124.71
14	A3	807	CLA	O2D-CGD-CBD	3.47	117.44	111.27
14	B5	1830	CLA	CMD-C2D-C1D	3.47	130.83	124.71
14	M6	1201	CLA	C2C-C1C-NC	3.47	113.22	109.97
14	A5	843	CLA	C1D-ND-C4D	-3.47	103.87	106.33
14	A5	819	CLA	CMB-C2B-C3B	3.47	131.17	124.68
14	A6	1639	CLA	O2A-CGA-CBA	3.47	122.80	111.91
14	A3	825	CLA	CMD-C2D-C1D	3.47	130.83	124.71
14	B4	829	CLA	CMD-C2D-C1D	3.47	130.83	124.71
14	A2	1623	CLA	C1D-ND-C4D	-3.47	103.87	106.33
14	A1	836	CLA	C2C-C1C-NC	3.47	113.22	109.97
14	F1	1301	CLA	C2C-C1C-NC	3.47	113.22	109.97
14	A3	829	CLA	C2C-C1C-NC	3.47	113.22	109.97
14	A2	1643	CLA	CMD-C2D-C1D	3.47	130.82	124.71
14	A2	1619	CLA	O2D-CGD-CBD	3.47	117.43	111.27
14	B1	814	CLA	C4A-NA-C1A	3.47	108.27	106.71
14	A3	829	CLA	C4A-NA-C1A	3.47	108.27	106.71
14	A6	1629	CLA	C4A-NA-C1A	3.47	108.27	106.71
16	B5	1850	BCR	C2-C1-C6	3.47	115.82	110.48
14	A5	807	CLA	CMD-C2D-C1D	3.47	130.82	124.71
17	A4	851	LHG	O8-C23-C24	3.47	120.47	111.38
14	B3	1820	CLA	CMD-C2D-C1D	3.47	130.82	124.71
16	L5	201	BCR	C33-C5-C6	3.47	128.42	124.53
16	B6	845	BCR	C2-C1-C6	3.47	115.82	110.48
14	A2	1633	CLA	CMD-C2D-C1D	3.47	130.82	124.71
14	A4	822	CLA	CMD-C2D-C1D	3.47	130.82	124.71
14	B5	1836	CLA	C1D-ND-C4D	-3.47	103.87	106.33
14	A4	823	CLA	C2C-C1C-NC	3.46	113.22	109.97
14	B4	824	CLA	CMD-C2D-C1D	3.46	130.82	124.71
16	L6	204	BCR	C37-C22-C21	-3.46	118.07	122.92
14	A3	810	CLA	CMD-C2D-C1D	3.46	130.82	124.71
14	A3	817	CLA	CMD-C2D-C1D	3.46	130.82	124.71
14	A4	823	CLA	CMD-C2D-C1D	3.46	130.82	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B2	825	CLA	C1D-ND-C4D	-3.46	103.88	106.33
14	A6	1624	CLA	O2D-CGD-CBD	3.46	117.42	111.27
16	L5	201	BCR	C2-C1-C6	3.46	115.81	110.48
14	A6	1618	CLA	O2D-CGD-CBD	3.46	117.42	111.27
14	A2	1630	CLA	C1D-ND-C4D	-3.46	103.88	106.33
14	B5	1805	CLA	C1D-ND-C4D	-3.46	103.88	106.33
14	A4	818	CLA	CMB-C2B-C3B	3.46	131.15	124.68
14	A5	813	CLA	CMD-C2D-C1D	3.46	130.81	124.71
14	B5	1833	CLA	C4A-NA-C1A	3.46	108.26	106.71
16	L6	201	BCR	C2-C1-C6	3.46	115.81	110.48
14	A1	806	CLA	C2C-C1C-NC	3.46	113.21	109.97
14	B5	1806	CLA	C2C-C1C-NC	3.46	113.21	109.97
14	L3	204	CLA	C2D-C1D-ND	3.46	112.65	110.10
14	A3	845	CLA	C1D-ND-C4D	-3.46	103.88	106.33
14	A6	1619	CLA	O2A-CGA-CBA	3.46	122.77	111.91
14	A2	1631	CLA	C2C-C1C-NC	3.46	113.21	109.97
14	A2	1612	CLA	CMD-C2D-C1D	3.46	130.81	124.71
14	A4	824	CLA	C4A-NA-C1A	3.46	108.26	106.71
14	A5	814	CLA	C4A-NA-C1A	3.46	108.26	106.71
16	A5	845	BCR	C38-C26-C25	3.46	128.41	124.53
14	A6	1617	CLA	O2D-CGD-CBD	3.46	117.41	111.27
14	A6	1617	CLA	CMD-C2D-C1D	3.46	130.81	124.71
14	A2	1626	CLA	CMD-C2D-C1D	3.46	130.81	124.71
16	A1	846	BCR	C38-C26-C25	3.46	128.41	124.53
14	B1	812	CLA	CMD-C2D-C1D	3.46	130.81	124.71
14	K4	1401	CLA	C4A-NA-C1A	3.46	108.26	106.71
14	A1	808	CLA	O2A-CGA-CBA	3.46	122.75	111.91
14	B5	1821	CLA	O2D-CGD-CBD	3.46	117.41	111.27
14	A1	806	CLA	CMD-C2D-C1D	3.46	130.80	124.71
14	B4	818	CLA	CMD-C2D-C1D	3.46	130.80	124.71
14	B2	833	CLA	CMD-C2D-C1D	3.45	130.80	124.71
14	L5	203	CLA	CMD-C2D-C1D	3.45	130.80	124.71
14	J4	102	CLA	C1D-ND-C4D	-3.45	103.88	106.33
14	A5	822	CLA	O2A-CGA-CBA	3.45	122.75	111.91
14	A2	1620	CLA	O2D-CGD-CBD	3.45	117.41	111.27
14	A1	834	CLA	O2D-CGD-CBD	3.45	117.41	111.27
14	A1	823	CLA	CMD-C2D-C1D	3.45	130.80	124.71
14	A5	824	CLA	CMD-C2D-C1D	3.45	130.80	124.71
14	A6	1617	CLA	C2D-C1D-ND	3.45	112.65	110.10
14	A2	1611	CLA	CMD-C2D-C1D	3.45	130.80	124.71
16	B1	844	BCR	C29-C30-C25	3.45	115.80	110.48
14	B3	1830	CLA	CMD-C2D-C1D	3.45	130.80	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	J4	101	CLA	CMD-C2D-C1D	3.45	130.80	124.71
14	B2	810	CLA	O2D-CGD-CBD	3.45	117.40	111.27
14	B6	827	CLA	C3C-C4C-NC	3.45	114.44	110.57
16	F2	201	BCR	C33-C5-C6	3.45	128.40	124.53
14	L3	204	CLA	CMD-C2D-C1D	3.45	130.79	124.71
16	I4	102	BCR	C37-C22-C21	-3.45	118.09	122.92
14	B4	821	CLA	O2D-CGD-CBD	3.45	117.40	111.27
14	B2	810	CLA	CMD-C2D-C1D	3.45	130.79	124.71
14	B3	1820	CLA	C2C-C1C-NC	3.45	113.20	109.97
14	A4	830	CLA	CMD-C2D-C1D	3.45	130.79	124.71
14	A4	809	CLA	O2D-CGD-CBD	3.45	117.40	111.27
14	A5	819	CLA	O2D-CGD-CBD	3.45	117.39	111.27
14	A1	835	CLA	C2C-C1C-NC	3.45	113.20	109.97
14	B2	815	CLA	CMD-C2D-C1D	3.45	130.79	124.71
14	A1	811	CLA	C1D-ND-C4D	-3.45	103.89	106.33
14	A5	810	CLA	O2D-CGD-CBD	3.45	117.39	111.27
14	L4	204	CLA	C2D-C1D-ND	3.45	112.64	110.10
14	A1	837	CLA	O2A-CGA-CBA	3.45	122.72	111.91
14	B5	1820	CLA	C1D-ND-C4D	-3.45	103.89	106.33
14	A4	827	CLA	O2D-CGD-CBD	3.45	117.39	111.27
16	A5	845	BCR	C29-C30-C25	3.45	115.78	110.48
14	B6	818	CLA	CMD-C2D-C1D	3.45	130.78	124.71
17	X3	101	LHG	O7-C7-C8	3.45	118.93	111.50
14	B6	812	CLA	C2C-C1C-NC	3.44	113.20	109.97
14	A6	1621	CLA	C1D-ND-C4D	-3.44	103.89	106.33
14	A3	824	CLA	O2D-CGD-CBD	3.44	117.39	111.27
14	A2	1609	CLA	C2D-C1D-ND	3.44	112.64	110.10
16	B5	1849	BCR	C2-C1-C6	3.44	115.78	110.48
14	A1	807	CLA	C2D-C1D-ND	3.44	112.64	110.10
14	L1	205	CLA	CMD-C2D-C1D	3.44	130.78	124.71
14	A1	821	CLA	CMD-C2D-C1D	3.44	130.78	124.71
14	A1	812	CLA	O2D-CGD-CBD	3.44	117.38	111.27
14	A2	1626	CLA	C2C-C1C-NC	3.44	113.20	109.97
14	A6	1641	CLA	C2C-C1C-NC	3.44	113.20	109.97
14	A1	823	CLA	O2D-CGD-CBD	3.44	117.38	111.27
14	B3	1807	CLA	C4A-NA-C1A	3.44	108.25	106.71
16	B5	1850	BCR	C33-C5-C6	3.44	128.39	124.53
14	A3	845	CLA	O2A-CGA-CBA	3.44	122.70	111.91
16	B3	1846	BCR	C32-C1-C6	3.44	115.88	110.30
14	B3	1837	CLA	C2C-C1C-NC	3.44	113.19	109.97
14	A1	821	CLA	O2A-CGA-CBA	3.44	122.70	111.91
14	A2	1629	CLA	CMD-C2D-C1D	3.44	130.77	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B1	818	CLA	O2D-CGD-CBD	3.44	117.38	111.27
14	A4	826	CLA	CMD-C2D-C1D	3.44	130.77	124.71
14	B4	815	CLA	CMD-C2D-C1D	3.44	130.77	124.71
14	A4	818	CLA	O2D-CGD-CBD	3.44	117.38	111.27
16	J3	103	BCR	C2-C1-C6	3.44	115.77	110.48
16	B6	844	BCR	C29-C30-C25	3.44	115.77	110.48
16	J2	102	BCR	C38-C26-C25	3.44	128.39	124.53
14	A5	819	CLA	O2A-CGA-CBA	3.44	122.69	111.91
14	B6	832	CLA	CMD-C2D-C1D	3.44	130.77	124.71
16	J5	103	BCR	C2-C1-C6	3.44	115.77	110.48
14	A3	836	CLA	C1D-ND-C4D	-3.44	103.89	106.33
14	L6	203	CLA	CMD-C2D-C1D	3.44	130.77	124.71
14	A1	817	CLA	O2A-CGA-CBA	3.44	122.69	111.91
14	L1	206	CLA	CHD-C1D-ND	-3.44	121.30	124.45
16	B1	847	BCR	C2-C1-C6	3.44	115.77	110.48
14	A4	823	CLA	O2D-CGD-CBD	3.43	117.37	111.27
14	B1	820	CLA	C2C-C1C-NC	3.43	113.19	109.97
14	A3	805	CLA	C2C-C1C-NC	3.43	113.19	109.97
14	A3	807	CLA	C2C-C1C-NC	3.43	113.19	109.97
14	B4	815	CLA	C2C-C1C-NC	3.43	113.19	109.97
14	B2	837	CLA	CMD-C2D-C1D	3.43	130.76	124.71
16	A3	847	BCR	C29-C30-C25	3.43	115.77	110.48
14	L4	203	CLA	C4A-NA-C1A	3.43	108.25	106.71
14	L3	203	CLA	C4A-NA-C1A	3.43	108.25	106.71
16	A6	1652	BCR	C2-C1-C6	3.43	115.76	110.48
14	A3	841	CLA	O2A-CGA-CBA	3.43	122.67	111.91
14	A4	815	CLA	CMD-C2D-C1D	3.43	130.75	124.71
14	B3	1827	CLA	CMD-C2D-C1D	3.43	130.75	124.71
14	A5	831	CLA	CMD-C2D-C1D	3.43	130.75	124.71
14	F5	1301	CLA	C2C-C1C-NC	3.43	113.18	109.97
14	B3	1813	CLA	O2D-CGD-CBD	3.43	117.36	111.27
14	B2	817	CLA	CMD-C2D-C1D	3.43	130.75	124.71
14	B2	826	CLA	CMD-C2D-C1D	3.43	130.75	124.71
14	B5	1820	CLA	CMD-C2D-C1D	3.43	130.75	124.71
14	A4	825	CLA	C4A-NA-C1A	3.43	108.25	106.71
14	B1	836	CLA	C2C-C1C-NC	3.43	113.18	109.97
16	B5	1846	BCR	C29-C30-C25	3.43	115.75	110.48
16	B2	850	BCR	C33-C5-C6	3.42	128.37	124.53
14	K5	102	CLA	C2C-C1C-NC	3.42	113.18	109.97
16	B5	1850	BCR	C12-C13-C14	-3.42	113.69	118.94
14	B1	814	CLA	CMD-C2D-C1D	3.42	130.75	124.71
14	A3	807	CLA	CMD-C2D-C1D	3.42	130.75	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B6	822	CLA	CMD-C2D-C1D	3.42	130.75	124.71
14	A3	817	CLA	C2D-C1D-ND	3.42	112.63	110.10
14	B5	1815	CLA	C2C-C1C-NC	3.42	113.18	109.97
14	A3	818	CLA	C4A-NA-C1A	3.42	108.24	106.71
14	A6	1636	CLA	O2D-CGD-CBD	3.42	117.35	111.27
14	A2	1605	CLA	CMD-C2D-C1D	3.42	130.74	124.71
14	B3	1839	CLA	C4A-NA-C1A	3.42	108.24	106.71
14	B1	823	CLA	O2D-CGD-CBD	3.42	117.34	111.27
14	A1	840	CLA	C2C-C1C-NC	3.42	113.17	109.97
14	A4	819	CLA	O2A-CGA-CBA	3.42	122.63	111.91
14	B5	1831	CLA	CMB-C2B-C3B	3.42	131.07	124.68
14	A6	1619	CLA	C1D-ND-C4D	-3.42	103.91	106.33
14	B3	1825	CLA	CMD-C2D-C1D	3.41	130.73	124.71
14	A1	816	CLA	C2D-C1D-ND	3.41	112.62	110.10
14	A4	818	CLA	O2A-CGA-CBA	3.41	122.62	111.91
14	B6	825	CLA	CMD-C2D-C1D	3.41	130.73	124.71
16	B4	847	BCR	C2-C1-C6	3.41	115.73	110.48
14	B3	1824	CLA	O2D-CGD-CBD	3.41	117.33	111.27
16	B2	844	BCR	C33-C5-C6	3.41	128.36	124.53
16	B4	846	BCR	C29-C30-C25	3.41	115.73	110.48
16	J4	103	BCR	C2-C1-C6	3.41	115.73	110.48
14	A4	829	CLA	C2D-C1D-ND	3.41	112.62	110.10
14	A2	1612	CLA	O2D-CGD-CBD	3.41	117.33	111.27
14	A5	817	CLA	CMD-C2D-C1D	3.41	130.72	124.71
14	B5	1824	CLA	O2D-CGD-CBD	3.41	117.33	111.27
14	A6	1616	CLA	CMD-C2D-C1D	3.41	130.72	124.71
14	B2	821	CLA	C2C-C1C-NC	3.41	113.17	109.97
16	F3	201	BCR	C33-C5-C6	3.41	128.35	124.53
16	B5	1850	BCR	C29-C30-C25	3.41	115.73	110.48
14	A1	816	CLA	C2C-C1C-NC	3.41	113.16	109.97
14	A1	833	CLA	CMD-C2D-C1D	3.41	130.72	124.71
14	B5	1836	CLA	CMD-C2D-C1D	3.41	130.72	124.71
14	B1	830	CLA	C2D-C1D-ND	3.41	112.61	110.10
14	B1	828	CLA	C3C-C4C-NC	3.41	114.39	110.57
14	A2	1619	CLA	C2C-C1C-NC	3.40	113.16	109.97
14	A4	836	CLA	C2C-C1C-NC	3.40	113.16	109.97
16	A2	1650	BCR	C40-C30-C25	3.40	115.82	110.30
14	B5	1818	CLA	C2C-C1C-NC	3.40	113.16	109.97
14	A6	1627	CLA	CMD-C2D-C1D	3.40	130.71	124.71
14	B2	814	CLA	C2C-C1C-NC	3.40	113.16	109.97
14	B1	837	CLA	C1D-ND-C4D	-3.40	103.92	106.33
14	B3	1834	CLA	CMD-C2D-C1D	3.40	130.71	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A6	1629	CLA	C2C-C1C-NC	3.40	113.16	109.97
14	A3	817	CLA	O2D-CGD-CBD	3.40	117.31	111.27
14	A1	816	CLA	CMD-C2D-C1D	3.40	130.70	124.71
14	A3	814	CLA	CMD-C2D-C1D	3.40	130.70	124.71
14	A2	1620	CLA	C4A-NA-C1A	3.40	108.23	106.71
14	A3	831	CLA	CMD-C2D-C1D	3.40	130.70	124.71
16	B6	847	BCR	C2-C1-C6	3.40	115.71	110.48
14	A1	811	CLA	C2C-C1C-NC	3.40	113.16	109.97
14	B3	1819	CLA	C2C-C1C-NC	3.40	113.15	109.97
14	A5	810	CLA	C4A-NA-C1A	3.40	108.23	106.71
14	B5	1811	CLA	C4A-NA-C1A	3.40	108.23	106.71
16	B2	846	BCR	C2-C1-C6	3.40	115.71	110.48
14	L1	206	CLA	CMD-C2D-C1D	3.40	130.70	124.71
14	A5	841	CLA	C2D-C1D-ND	3.40	112.61	110.10
14	L5	206	CLA	C2D-C1D-ND	3.40	112.61	110.10
16	F6	203	BCR	C2-C1-C6	3.39	115.71	110.48
14	A3	815	CLA	C1D-ND-C4D	-3.39	103.92	106.33
14	B1	839	CLA	CMD-C2D-C1D	3.39	130.69	124.71
16	A6	1646	BCR	C40-C30-C25	3.39	115.80	110.30
14	B2	819	CLA	O2A-CGA-CBA	3.39	122.56	111.91
14	A6	1618	CLA	C4A-NA-C1A	3.39	108.23	106.71
14	M3	1601	CLA	C2C-C1C-NC	3.39	113.15	109.97
14	A2	1602	CLA	C4D-CHA-C1A	-3.39	117.12	121.25
14	B3	1831	CLA	C2D-C1D-ND	3.39	112.60	110.10
14	K1	1401	CLA	CMD-C2D-C1D	3.39	130.69	124.71
14	A4	801	CLA	C2D-C1D-ND	3.39	112.60	110.10
14	B3	1819	CLA	O2A-CGA-CBA	3.39	122.55	111.91
14	B3	1818	CLA	C2C-C1C-NC	3.39	113.15	109.97
14	B5	1820	CLA	C2C-C1C-NC	3.39	113.15	109.97
16	L3	201	BCR	C2-C1-C6	3.39	115.70	110.48
14	J6	1101	CLA	CMD-C2D-C1D	3.39	130.69	124.71
14	B1	828	CLA	C2D-C1D-ND	3.39	112.60	110.10
16	J4	104	BCR	C29-C30-C25	3.39	115.70	110.48
14	A5	818	CLA	O2A-CGA-CBA	3.39	122.54	111.91
14	B6	809	CLA	C4A-NA-C1A	3.39	108.23	106.71
16	F4	201	BCR	C12-C13-C14	-3.39	113.74	118.94
14	B1	853	CLA	O2A-CGA-CBA	3.39	122.54	111.91
14	A4	816	CLA	C2C-C1C-NC	3.39	113.14	109.97
14	A1	838	CLA	C2D-C1D-ND	3.39	112.60	110.10
14	A2	1613	CLA	C2D-C1D-ND	3.39	112.60	110.10
14	A6	1608	CLA	C2D-C1D-ND	3.39	112.60	110.10
14	A5	817	CLA	O2D-CGD-CBD	3.39	117.28	111.27

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A2	1621	CLA	O2A-CGA-CBA	3.39	122.53	111.91
14	A3	842	CLA	CMD-C2D-C1D	3.39	130.68	124.71
14	B6	813	CLA	CMD-C2D-C1D	3.39	130.68	124.71
14	B6	827	CLA	C2C-C1C-NC	3.38	113.14	109.97
14	A2	1624	CLA	O2A-CGA-CBA	3.38	122.53	111.91
14	B4	822	CLA	O2A-CGA-CBA	3.38	122.53	111.91
14	A6	1615	CLA	C1D-ND-C4D	-3.38	103.93	106.33
14	A3	837	CLA	O2D-CGD-CBD	3.38	117.28	111.27
14	B3	1815	CLA	CMD-C2D-C1D	3.38	130.68	124.71
14	B6	815	CLA	CMD-C2D-C1D	3.38	130.68	124.71
14	F6	202	CLA	C2C-C1C-NC	3.38	113.14	109.97
14	K3	1401	CLA	CMD-C2D-C1D	3.38	130.67	124.71
14	A1	824	CLA	CMD-C2D-C1D	3.38	130.67	124.71
14	B4	824	CLA	O2D-CGD-CBD	3.38	117.28	111.27
14	A5	817	CLA	C2D-C1D-ND	3.38	112.60	110.10
14	A1	808	CLA	C1D-ND-C4D	-3.38	103.93	106.33
16	A1	847	BCR	C32-C1-C6	3.38	115.78	110.30
14	A6	1618	CLA	O2A-CGA-CBA	3.38	122.52	111.91
16	B4	850	BCR	C2-C1-C6	3.38	115.69	110.48
16	J6	1104	BCR	C2-C1-C6	3.38	115.69	110.48
16	J3	103	BCR	C38-C26-C25	3.38	128.32	124.53
14	B5	1822	CLA	O2A-CGA-CBA	3.38	122.51	111.91
16	A5	850	BCR	C32-C1-C6	3.38	115.78	110.30
14	B5	1832	CLA	CMD-C2D-C1D	3.38	130.67	124.71
14	B4	806	CLA	C1D-ND-C4D	-3.38	103.94	106.33
16	B6	850	BCR	C33-C5-C6	3.38	128.32	124.53
14	B3	1804	CLA	C3C-C4C-NC	3.38	114.36	110.57
14	A4	840	CLA	C2D-C1D-ND	3.38	112.59	110.10
14	B1	832	CLA	CMD-C2D-C1D	3.38	130.66	124.71
14	A4	809	CLA	CMD-C2D-C1D	3.38	130.66	124.71
16	A2	1647	BCR	C2-C1-C6	3.38	115.68	110.48
16	A6	1643	BCR	C29-C30-C25	3.38	115.68	110.48
14	B5	1817	CLA	CMD-C2D-C1D	3.38	130.66	124.71
14	B5	1813	CLA	CMD-C2D-C1D	3.38	130.66	124.71
14	A3	835	CLA	O2D-CGD-CBD	3.38	117.27	111.27
14	B5	1833	CLA	C1D-ND-C4D	-3.38	103.94	106.33
16	B1	845	BCR	C2-C1-C6	3.38	115.68	110.48
14	A6	1640	CLA	CMD-C2D-C1D	3.37	130.66	124.71
14	F2	202	CLA	C2C-C1C-NC	3.37	113.13	109.97
14	A5	817	CLA	C2C-C1C-NC	3.37	113.13	109.97
14	A4	839	CLA	O2A-CGA-CBA	3.37	122.50	111.91
16	F4	203	BCR	C2-C1-C6	3.37	115.67	110.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A3	808	CLA	C2D-C1D-ND	3.37	112.59	110.10
14	A3	820	CLA	O2A-CGA-CBA	3.37	122.49	111.91
16	J3	104	BCR	C29-C30-C25	3.37	115.67	110.48
16	J1	103	BCR	C2-C1-C6	3.37	115.67	110.48
14	A4	832	CLA	CMD-C2D-C1D	3.37	130.66	124.71
14	B6	823	CLA	C4A-NA-C1A	3.37	108.22	106.71
14	B5	1825	CLA	C4A-NA-C1A	3.37	108.22	106.71
14	A6	1613	CLA	CMD-C2D-C1D	3.37	130.66	124.71
14	B4	829	CLA	C2C-C1C-NC	3.37	113.13	109.97
16	M5	101	BCR	C1-C6-C7	3.37	125.31	115.78
14	B1	821	CLA	O2A-CGA-CBA	3.37	122.48	111.91
14	L6	207	CLA	C2D-C1D-ND	3.37	112.59	110.10
14	A4	816	CLA	CMD-C2D-C1D	3.37	130.65	124.71
16	A5	853	BCR	C2-C1-C6	3.37	115.67	110.48
14	A6	1603	CLA	CHD-C1D-ND	-3.37	121.36	124.45
14	B3	1829	CLA	C3C-C4C-NC	3.37	114.35	110.57
16	A1	845	BCR	C40-C30-C25	3.37	115.76	110.30
14	A2	1607	CLA	C2C-C1C-NC	3.37	113.13	109.97
16	J2	103	BCR	C29-C30-C25	3.37	115.66	110.48
14	A2	1602	CLA	C1D-ND-C4D	-3.37	103.94	106.33
14	A2	1627	CLA	C4A-NA-C1A	3.37	108.22	106.71
16	B5	1847	BCR	C33-C5-C6	3.36	128.31	124.53
14	F4	202	CLA	C2C-C1C-NC	3.36	113.12	109.97
14	A4	802	CLA	CMD-C2D-C1D	3.36	130.64	124.71
16	B4	849	BCR	C2-C1-C6	3.36	115.66	110.48
14	B6	820	CLA	O2A-CGA-CBA	3.36	122.46	111.91
14	B1	810	CLA	CMD-C2D-C1D	3.36	130.64	124.71
14	A3	813	CLA	CMD-C2D-C1D	3.36	130.64	124.71
14	A2	1604	CLA	CMD-C2D-C1D	3.36	130.64	124.71
16	A3	850	BCR	C2-C1-C6	3.36	115.66	110.48
14	B6	823	CLA	CMD-C2D-C1D	3.36	130.64	124.71
14	A2	1642	CLA	O2A-CGA-CBA	3.36	122.45	111.91
14	B2	813	CLA	C1D-ND-C4D	-3.36	103.95	106.33
16	B1	848	BCR	C12-C13-C14	-3.36	113.79	118.94
14	A1	820	CLA	C1D-ND-C4D	-3.36	103.95	106.33
14	B2	801	CLA	C4A-NA-C1A	3.36	108.22	106.71
14	A2	1610	CLA	C2D-C1D-ND	3.36	112.58	110.10
14	B3	1841	CLA	CMD-C2D-C1D	3.36	130.63	124.71
14	A3	817	CLA	C2C-C1C-NC	3.36	113.12	109.97
14	A3	829	CLA	O2A-CGA-CBA	3.36	122.44	111.91
14	A1	809	CLA	O2D-CGD-CBD	3.36	117.23	111.27
14	A3	822	CLA	CMD-C2D-C1D	3.36	130.63	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B2	815	CLA	C4A-NA-C1A	3.36	108.22	106.71
14	B6	829	CLA	CMB-C2B-C3B	3.36	130.96	124.68
16	F3	201	BCR	C29-C30-C25	3.36	115.65	110.48
14	A6	1632	CLA	CMD-C2D-C1D	3.35	130.62	124.71
14	B3	1831	CLA	CMB-C2B-C3B	3.35	130.95	124.68
14	B2	827	CLA	CMD-C2D-C1D	3.35	130.62	124.71
16	F2	201	BCR	C29-C30-C25	3.35	115.64	110.48
16	F6	201	BCR	C33-C5-C6	3.35	128.29	124.53
14	K5	102	CLA	CMD-C2D-C1D	3.35	130.62	124.71
14	A2	1628	CLA	C2C-C1C-NC	3.35	113.11	109.97
14	B4	834	CLA	C4A-NA-C1A	3.35	108.21	106.71
16	B1	847	BCR	C33-C5-C6	3.35	128.29	124.53
14	A6	1607	CLA	O2A-CGA-CBA	3.35	122.42	111.91
14	A5	835	CLA	C2C-C1C-NC	3.35	113.11	109.97
14	B5	1802	CLA	CHD-C1D-ND	-3.35	121.38	124.45
14	L3	204	CLA	C4A-NA-C1A	3.35	108.21	106.71
14	B2	801	CLA	C1D-ND-C4D	-3.35	103.96	106.33
14	A6	1619	CLA	CMB-C2B-C3B	3.35	130.94	124.68
14	A4	801	CLA	C4D-CHA-C1A	-3.35	117.17	121.25
14	B4	834	CLA	CMD-C2D-C1D	3.35	130.61	124.71
14	A6	1602	CLA	C2D-C1D-ND	3.35	112.57	110.10
14	B3	1820	CLA	O2A-CGA-CBA	3.35	122.41	111.91
16	A4	844	BCR	C2-C1-C6	3.35	115.63	110.48
14	A5	843	CLA	O2A-CGA-CBA	3.35	122.41	111.91
14	B6	818	CLA	C2C-C1C-NC	3.35	113.11	109.97
16	A1	844	BCR	C2-C1-C6	3.35	115.63	110.48
16	A1	842	BCR	C38-C26-C25	3.35	128.28	124.53
14	B1	807	CLA	CMD-C2D-C1D	3.35	130.61	124.71
14	B1	819	CLA	C2C-C1C-NC	3.35	113.11	109.97
14	B1	831	CLA	CMD-C2D-C1D	3.34	130.61	124.71
14	B1	824	CLA	C2C-C1C-NC	3.34	113.11	109.97
14	B2	822	CLA	CMD-C2D-C1D	3.34	130.61	124.71
14	A4	834	CLA	CMD-C2D-C1D	3.34	130.61	124.71
14	B4	830	CLA	CMD-C2D-C1D	3.34	130.61	124.71
14	A6	1635	CLA	C1D-ND-C4D	-3.34	103.96	106.33
16	A3	852	BCR	C32-C1-C6	3.34	115.72	110.30
14	A6	1634	CLA	O2D-CGD-CBD	3.34	117.21	111.27
14	B4	820	CLA	C2C-C1C-NC	3.34	113.10	109.97
14	B5	1820	CLA	O2A-CGA-CBA	3.34	122.40	111.91
14	B5	1812	CLA	CMD-C2D-C1D	3.34	130.60	124.71
14	A1	837	CLA	C4A-NA-C1A	3.34	108.21	106.71
14	K5	102	CLA	C4A-NA-C1A	3.34	108.21	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B1	803	CLA	CMD-C2D-C1D	3.34	130.60	124.71
14	A6	1607	CLA	CMD-C2D-C1D	3.34	130.60	124.71
16	B5	1847	BCR	C2-C1-C6	3.34	115.62	110.48
14	B4	814	CLA	C2C-C1C-NC	3.34	113.10	109.97
14	A2	1626	CLA	O2D-CGD-CBD	3.34	117.20	111.27
14	B4	852	CLA	O2A-CGA-CBA	3.34	122.39	111.91
14	B1	834	CLA	CHD-C1D-ND	-3.34	121.39	124.45
16	B3	1849	BCR	C2-C1-C6	3.34	115.62	110.48
14	B3	1812	CLA	CMD-C2D-C1D	3.34	130.60	124.71
14	B6	811	CLA	O2D-CGD-CBD	3.34	117.20	111.27
14	A5	820	CLA	CMD-C2D-C1D	3.34	130.59	124.71
14	B6	818	CLA	O2A-CGA-CBA	3.34	122.38	111.91
14	A6	1620	CLA	O2A-CGA-CBA	3.34	122.38	111.91
14	B5	1818	CLA	C4A-NA-C1A	3.34	108.21	106.71
14	A3	807	CLA	O2A-CGA-CBA	3.34	122.38	111.91
14	B2	810	CLA	C2C-C1C-NC	3.33	113.10	109.97
14	A1	828	CLA	C4A-NA-C1A	3.33	108.20	106.71
14	A3	834	CLA	CMD-C2D-C1D	3.33	130.59	124.71
16	A3	856	BCR	C2-C1-C6	3.33	115.61	110.48
14	B2	809	CLA	CMD-C2D-C1D	3.33	130.59	124.71
14	A6	1635	CLA	CMD-C2D-C1D	3.33	130.59	124.71
14	B1	835	CLA	CMD-C2D-C1D	3.33	130.59	124.71
14	A4	853	CLA	CMD-C2D-C1D	3.33	130.59	124.71
14	A5	839	CLA	CMD-C2D-C1D	3.33	130.59	124.71
14	L2	202	CLA	CMD-C2D-C1D	3.33	130.58	124.71
14	B4	838	CLA	CMD-C2D-C1D	3.33	130.58	124.71
16	B1	844	BCR	C2-C1-C6	3.33	115.61	110.48
16	A2	1650	BCR	C2-C1-C6	3.33	115.61	110.48
14	B4	825	CLA	C2C-C1C-NC	3.33	113.09	109.97
14	A6	1617	CLA	C2C-C1C-NC	3.33	113.09	109.97
14	L5	202	CLA	C2C-C1C-NC	3.33	113.09	109.97
14	A6	1629	CLA	O2A-CGA-CBA	3.33	122.35	111.91
14	A5	822	CLA	CMD-C2D-C1D	3.33	130.58	124.71
14	A1	828	CLA	O2A-CGA-CBA	3.33	122.35	111.91
16	J1	104	BCR	C29-C30-C25	3.33	115.60	110.48
14	B4	829	CLA	C3C-C4C-NC	3.33	114.30	110.57
14	B5	1819	CLA	O2A-CGA-CBA	3.33	122.35	111.91
14	A1	803	CLA	CMD-C2D-C1D	3.33	130.58	124.71
14	B2	825	CLA	C2C-C1C-NC	3.33	113.09	109.97
16	F2	203	BCR	C2-C1-C6	3.33	115.60	110.48
16	M1	1202	BCR	C1-C6-C7	3.33	125.19	115.78
14	B3	1806	CLA	C2C-C1C-NC	3.33	113.09	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A4	813	CLA	CMD-C2D-C1D	3.33	130.57	124.71
14	A5	825	CLA	CMD-C2D-C1D	3.33	130.57	124.71
14	B6	827	CLA	CBA-CAA-C2A	3.33	123.68	113.86
14	A3	814	CLA	C1D-ND-C4D	-3.32	103.97	106.33
14	L1	205	CLA	C2D-C1D-ND	3.32	112.55	110.10
14	B2	811	CLA	C2C-C1C-NC	3.32	113.09	109.97
14	B5	1814	CLA	C2C-C1C-NC	3.32	113.09	109.97
14	A3	843	CLA	CMD-C2D-C1D	3.32	130.57	124.71
16	A6	1643	BCR	C2-C1-C6	3.32	115.60	110.48
14	A1	814	CLA	CMD-C2D-C1D	3.32	130.57	124.71
17	A3	854	LHG	O7-C7-C8	3.32	118.66	111.50
16	B2	846	BCR	C33-C5-C6	3.32	128.26	124.53
14	A3	819	CLA	CMB-C2B-C3B	3.32	130.89	124.68
14	L1	206	CLA	C4A-NA-C1A	3.32	108.20	106.71
14	L5	205	CLA	C4A-NA-C1A	3.32	108.20	106.71
14	K6	1401	CLA	C2C-C1C-NC	3.32	113.08	109.97
14	B5	1824	CLA	CMD-C2D-C1D	3.32	130.56	124.71
14	M3	1601	CLA	CMD-C2D-C1D	3.32	130.56	124.71
14	B1	832	CLA	C1D-ND-C4D	-3.32	103.98	106.33
14	A1	814	CLA	C2C-C1C-NC	3.32	113.08	109.97
14	B1	817	CLA	C2C-C1C-NC	3.32	113.08	109.97
14	A3	842	CLA	C4A-NA-C1A	3.32	108.20	106.71
14	B2	818	CLA	O2D-CGD-CBD	3.32	117.17	111.27
14	B3	1834	CLA	C2C-C1C-NC	3.32	113.08	109.97
14	A4	828	CLA	O2A-CGA-CBA	3.32	122.32	111.91
14	B4	819	CLA	O2A-CGA-CBA	3.32	122.32	111.91
14	B4	818	CLA	C2C-C1C-NC	3.32	113.08	109.97
14	B6	822	CLA	C2C-C1C-NC	3.32	113.08	109.97
14	A5	804	CLA	C1D-ND-C4D	-3.32	103.98	106.33
14	A4	813	CLA	C4A-NA-C1A	3.32	108.20	106.71
16	B4	847	BCR	C33-C5-C6	3.32	128.25	124.53
16	A5	845	BCR	C2-C1-C6	3.32	115.58	110.48
14	B3	1826	CLA	CMD-C2D-C1D	3.32	130.56	124.71
14	B3	1840	CLA	CMD-C2D-C1D	3.32	130.56	124.71
14	A6	1636	CLA	CMD-C2D-C1D	3.32	130.56	124.71
14	B6	810	CLA	CMD-C2D-C1D	3.32	130.56	124.71
14	A2	1630	CLA	O2D-CGD-CBD	3.32	117.16	111.27
14	J3	102	CLA	C2C-C1C-NC	3.31	113.08	109.97
14	A2	1616	CLA	CMD-C2D-C1D	3.31	130.55	124.71
14	A4	836	CLA	C4A-NA-C1A	3.31	108.20	106.71
14	A4	806	CLA	C2D-C1D-ND	3.31	112.55	110.10
14	B5	1801	CLA	C2D-C1D-ND	3.31	112.55	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	L3	202	CLA	C2C-C1C-NC	3.31	113.08	109.97
14	B3	1822	CLA	O2A-CGA-CBA	3.31	122.31	111.91
14	A6	1651	CLA	C3C-C4C-NC	3.31	114.29	110.57
14	A6	1633	CLA	CMD-C2D-C1D	3.31	130.55	124.71
16	J6	1105	BCR	C29-C30-C25	3.31	115.58	110.48
16	B6	844	BCR	C32-C1-C6	3.31	115.67	110.30
14	A4	824	CLA	CMD-C2D-C1D	3.31	130.55	124.71
14	A4	835	CLA	CMD-C2D-C1D	3.31	130.55	124.71
14	B6	825	CLA	C1D-ND-C4D	-3.31	103.98	106.33
16	F6	201	BCR	C12-C13-C14	-3.31	113.86	118.94
14	A3	836	CLA	C2C-C1C-NC	3.31	113.07	109.97
16	A6	1645	BCR	C2-C1-C6	3.31	115.58	110.48
14	B4	823	CLA	CMD-C2D-C1D	3.31	130.54	124.71
14	B2	817	CLA	O2A-CGA-CBA	3.31	122.29	111.91
14	B4	836	CLA	CMD-C2D-C1D	3.31	130.54	124.71
14	B6	816	CLA	CMD-C2D-C1D	3.31	130.54	124.71
16	B4	849	BCR	C33-C5-C6	3.31	128.24	124.53
16	A3	847	BCR	C2-C1-C6	3.31	115.57	110.48
14	B5	1819	CLA	CMD-C2D-C1D	3.31	130.54	124.71
14	A1	815	CLA	CMD-C2D-C1D	3.31	130.54	124.71
14	K4	1401	CLA	CMD-C2D-C1D	3.31	130.54	124.71
14	A2	1643	CLA	C2D-C1D-ND	3.31	112.54	110.10
14	B3	1801	CLA	O2A-CGA-CBA	3.31	122.28	111.91
14	A4	834	CLA	C2C-C1C-NC	3.30	113.07	109.97
14	A1	818	CLA	CMB-C2B-C3B	3.30	130.86	124.68
14	B5	1819	CLA	C2C-C1C-NC	3.30	113.07	109.97
14	B3	1825	CLA	C4A-NA-C1A	3.30	108.19	106.71
14	B6	840	CLA	C2D-C1D-ND	3.30	112.54	110.10
14	B4	802	CLA	CHD-C1D-ND	-3.30	121.42	124.45
16	A2	1647	BCR	C38-C26-C25	3.30	128.24	124.53
14	A3	816	CLA	CMD-C2D-C1D	3.30	130.53	124.71
14	A5	815	CLA	CMD-C2D-C1D	3.30	130.53	124.71
16	F2	203	BCR	C35-C13-C14	-3.30	118.30	122.92
14	B6	839	CLA	C2D-C1D-ND	3.30	112.54	110.10
14	L4	201	CLA	CMD-C2D-C1D	3.30	130.53	124.71
14	A2	1637	CLA	CMD-C2D-C1D	3.30	130.53	124.71
16	M3	1602	BCR	C1-C6-C7	3.30	125.11	115.78
14	A6	1626	CLA	CMD-C2D-C1D	3.30	130.53	124.71
14	A6	1631	CLA	CMD-C2D-C1D	3.30	130.53	124.71
14	B4	825	CLA	C4A-NA-C1A	3.30	108.19	106.71
14	B2	835	CLA	C1D-ND-C4D	-3.30	103.99	106.33
14	B5	1843	CLA	CMD-C2D-C1D	3.30	130.53	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	B1	845	BCR	C33-C5-C6	3.30	128.23	124.53
14	B3	1824	CLA	C2C-C1C-NC	3.30	113.06	109.97
14	A5	805	CLA	C2C-C1C-NC	3.30	113.06	109.97
16	A2	1652	BCR	C32-C1-C6	3.30	115.65	110.30
14	A2	1619	CLA	CMD-C2D-C1D	3.30	130.52	124.71
14	L3	204	CLA	CHD-C1D-ND	-3.29	121.43	124.45
14	B1	829	CLA	CMD-C2D-C1D	3.29	130.52	124.71
14	L6	203	CLA	C2D-C1D-ND	3.29	112.53	110.10
16	A3	850	BCR	C40-C30-C25	3.29	115.64	110.30
14	A5	820	CLA	O2A-CGA-CBA	3.29	122.24	111.91
14	A5	823	CLA	O2A-CGA-CBA	3.29	122.24	111.91
16	F4	203	BCR	C35-C13-C14	-3.29	118.31	122.92
16	F3	201	BCR	C12-C13-C14	-3.29	113.89	118.94
14	B3	1810	CLA	CMD-C2D-C1D	3.29	130.51	124.71
16	F4	201	BCR	C29-C30-C25	3.29	115.55	110.48
14	B5	1804	CLA	C3C-C4C-NC	3.29	114.26	110.57
16	B1	849	BCR	C2-C1-C6	3.29	115.55	110.48
14	A3	828	CLA	O2D-CGD-CBD	3.29	117.11	111.27
14	A3	843	CLA	O2D-CGD-CBD	3.29	117.11	111.27
14	J1	102	CLA	C2C-C1C-NC	3.29	113.05	109.97
14	B3	1813	CLA	C2C-C1C-NC	3.29	113.05	109.97
14	B1	853	CLA	C2D-C1D-ND	3.29	112.53	110.10
14	B1	818	CLA	C2C-C1C-NC	3.29	113.05	109.97
14	A4	818	CLA	CMB-C2B-C1B	-3.29	123.41	128.46
14	A4	808	CLA	CMD-C2D-C1D	3.29	130.51	124.71
16	A6	1646	BCR	C2-C1-C6	3.29	115.54	110.48
14	A2	1624	CLA	CMD-C2D-C1D	3.29	130.50	124.71
14	A1	822	CLA	O2A-CGA-CBA	3.29	122.22	111.91
14	L4	203	CLA	C2C-C1C-NC	3.29	113.05	109.97
14	A5	815	CLA	C2C-C1C-NC	3.29	113.05	109.97
14	B1	853	CLA	CMD-C2D-C1D	3.29	130.50	124.71
14	A4	816	CLA	C2D-C1D-ND	3.29	112.53	110.10
14	A3	826	CLA	CMD-C2D-C1D	3.28	130.50	124.71
16	J2	102	BCR	C2-C1-C6	3.28	115.53	110.48
14	A2	1622	CLA	O2A-CGA-CBA	3.28	122.21	111.91
14	B2	837	CLA	C1D-ND-C4D	-3.28	104.00	106.33
14	B6	833	CLA	C2C-C1C-NC	3.28	113.05	109.97
14	B4	812	CLA	CMD-C2D-C1D	3.28	130.50	124.71
16	F3	203	BCR	C2-C1-C6	3.28	115.53	110.48
14	K2	1401	CLA	C4A-NA-C1A	3.28	108.18	106.71
14	A3	838	CLA	C4A-NA-C1A	3.28	108.18	106.71
16	J5	103	BCR	C38-C26-C25	3.28	128.21	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B1	828	CLA	CBA-CAA-C2A	3.28	123.55	113.86
14	A6	1607	CLA	C2D-C1D-ND	3.28	112.52	110.10
16	B5	1846	BCR	C2-C1-C6	3.28	115.53	110.48
14	B2	824	CLA	CMD-C2D-C1D	3.28	130.49	124.71
14	A3	836	CLA	CMD-C2D-C1D	3.28	130.49	124.71
14	A1	839	CLA	O2A-CGA-CBA	3.28	122.20	111.91
14	B4	804	CLA	C3C-C4C-NC	3.28	114.25	110.57
14	A5	833	CLA	C4A-NA-C1A	3.28	108.18	106.71
14	L1	207	CLA	C2D-C1D-ND	3.28	112.52	110.10
14	B3	1832	CLA	C2C-C1C-NC	3.28	113.04	109.97
14	A6	1635	CLA	C2C-C1C-NC	3.28	113.04	109.97
14	A5	834	CLA	O2D-CGD-CBD	3.28	117.09	111.27
14	A3	820	CLA	CMD-C2D-C1D	3.28	130.49	124.71
14	A1	802	CLA	CMD-C2D-C1D	3.28	130.49	124.71
16	F5	1302	BCR	C2-C1-C6	3.28	115.53	110.48
16	B1	843	BCR	C33-C5-C6	3.28	128.21	124.53
16	J6	1104	BCR	C38-C26-C25	3.28	128.21	124.53
16	M2	1202	BCR	C1-C6-C7	3.28	125.05	115.78
14	A3	819	CLA	O2D-CGD-CBD	3.28	117.09	111.27
14	A4	825	CLA	CMD-C2D-C1D	3.28	130.49	124.71
16	B1	844	BCR	C32-C1-C6	3.28	115.61	110.30
16	F5	1302	BCR	C29-C30-C25	3.28	115.52	110.48
14	M1	1201	CLA	O2A-CGA-CBA	3.28	122.19	111.91
14	A6	1627	CLA	O2A-CGA-CBA	3.28	122.19	111.91
16	M4	101	BCR	C1-C6-C7	3.28	125.04	115.78
14	A5	842	CLA	O2D-CGD-CBD	3.28	117.09	111.27
14	A5	810	CLA	C2D-C1D-ND	3.27	112.52	110.10
14	B1	819	CLA	O2A-CGA-CBA	3.27	122.18	111.91
14	A4	806	CLA	O2A-CGA-CBA	3.27	122.18	111.91
14	B4	820	CLA	CMD-C2D-C1D	3.27	130.48	124.71
14	A2	1609	CLA	O2A-CGA-CBA	3.27	122.18	111.91
14	B1	809	CLA	C1D-ND-C4D	-3.27	104.01	106.33
14	A5	829	CLA	O2A-CGA-CBA	3.27	122.18	111.91
16	A1	842	BCR	C29-C30-C25	3.27	115.52	110.48
14	B1	812	CLA	O2D-CGD-CBD	3.27	117.08	111.27
16	A4	847	BCR	C40-C30-C25	3.27	115.61	110.30
16	M6	1202	BCR	C1-C6-C7	3.27	125.03	115.78
14	A6	1639	CLA	C3C-C4C-NC	3.27	114.24	110.57
16	F2	203	BCR	C29-C30-C25	3.27	115.52	110.48
14	B4	820	CLA	O2A-CGA-CBA	3.27	122.17	111.91
14	B4	817	CLA	C2C-C1C-NC	3.27	113.04	109.97
16	F3	203	BCR	C35-C13-C14	-3.27	118.34	122.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B4	824	CLA	C2C-C1C-NC	3.27	113.03	109.97
14	A6	1605	CLA	C2C-C1C-NC	3.27	113.03	109.97
16	B3	1846	BCR	C2-C1-C6	3.27	115.51	110.48
14	A2	1638	CLA	CMD-C2D-C1D	3.27	130.47	124.71
14	J5	102	CLA	C1D-ND-C4D	-3.27	104.01	106.33
14	A5	803	CLA	CMD-C2D-C1D	3.27	130.47	124.71
14	B1	817	CLA	C4A-NA-C1A	3.27	108.17	106.71
14	B5	1833	CLA	CMD-C2D-C1D	3.27	130.47	124.71
14	A6	1620	CLA	CMD-C2D-C1D	3.27	130.47	124.71
14	I6	101	CLA	C1D-ND-C4D	-3.27	104.02	106.33
14	A6	1634	CLA	C2D-C1D-ND	3.26	112.51	110.10
14	B1	854	CLA	CMD-C2D-C1D	3.26	130.47	124.71
16	F2	201	BCR	C12-C13-C14	-3.26	113.93	118.94
14	B3	1812	CLA	O2D-CGD-CBD	3.26	117.06	111.27
14	A3	807	CLA	C2D-C1D-ND	3.26	112.51	110.10
14	L6	208	CLA	C2D-C1D-ND	3.26	112.51	110.10
14	J5	102	CLA	CMD-C2D-C1D	3.26	130.46	124.71
14	X4	102	CLA	CMD-C2D-C1D	3.26	130.46	124.71
14	B3	1829	CLA	CBA-CAA-C2A	3.26	123.49	113.86
17	A6	1650	LHG	O7-C7-C8	3.26	118.53	111.50
16	F4	203	BCR	C29-C30-C25	3.26	115.50	110.48
14	A3	808	CLA	CMD-C2D-C1D	3.26	130.46	124.71
16	A5	848	BCR	C40-C30-C25	3.26	115.58	110.30
14	A4	833	CLA	O2D-CGD-CBD	3.26	117.06	111.27
14	B3	1814	CLA	C2C-C1C-NC	3.26	113.03	109.97
14	A2	1621	CLA	CMB-C2B-C1B	-3.26	123.46	128.46
14	B5	1819	CLA	O2D-CGD-CBD	3.26	117.06	111.27
14	L5	204	CLA	C2C-C1C-NC	3.26	113.02	109.97
14	A4	828	CLA	CMB-C2B-C3B	3.26	130.77	124.68
16	B5	1849	BCR	C33-C5-C6	3.26	128.18	124.53
14	A6	1628	CLA	O2D-CGD-CBD	3.26	117.05	111.27
14	A5	804	CLA	CMD-C2D-C1D	3.25	130.45	124.71
16	A6	1643	BCR	C33-C5-C6	3.25	128.18	124.53
14	A3	838	CLA	O2D-CGD-CBD	3.25	117.05	111.27
14	B5	1824	CLA	C2C-C1C-NC	3.25	113.02	109.97
14	A2	1606	CLA	CMD-C2D-C1D	3.25	130.45	124.71
14	A2	1631	CLA	CMB-C2B-C3B	3.25	130.76	124.68
14	B4	852	CLA	C1D-ND-C4D	-3.25	104.02	106.33
14	B3	1801	CLA	C2D-C1D-ND	3.25	112.50	110.10
14	A6	1608	CLA	CMD-C2D-C1D	3.25	130.44	124.71
16	J4	103	BCR	C38-C26-C25	3.25	128.18	124.53
14	A3	821	CLA	C4A-NA-C1A	3.25	108.17	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A3	823	CLA	O2A-CGA-CBA	3.25	122.11	111.91
14	B2	830	CLA	C1D-ND-C4D	-3.25	104.03	106.33
16	B5	1846	BCR	C32-C1-C6	3.25	115.57	110.30
14	A3	805	CLA	C1D-ND-C4D	-3.25	104.03	106.33
14	B3	1821	CLA	O2D-CGD-CBD	3.25	117.04	111.27
14	A6	1623	CLA	O2A-CGA-CBA	3.25	122.10	111.91
14	A6	1634	CLA	C2C-C1C-NC	3.25	113.02	109.97
14	A3	801	CLA	O2D-CGD-O1D	-3.25	117.49	123.84
14	B2	809	CLA	O2D-CGD-CBD	3.25	117.04	111.27
14	A5	829	CLA	CMB-C2B-C3B	3.25	130.75	124.68
14	A6	1614	CLA	CMD-C2D-C1D	3.25	130.44	124.71
14	A5	842	CLA	CMD-C2D-C1D	3.25	130.44	124.71
14	A2	1637	CLA	C2C-C1C-NC	3.25	113.01	109.97
14	A1	832	CLA	O2D-CGD-CBD	3.25	117.04	111.27
14	J4	102	CLA	C2C-C1C-NC	3.25	113.01	109.97
16	F6	203	BCR	C35-C13-C14	-3.25	118.38	122.92
14	B2	828	CLA	C2D-C1D-ND	3.25	112.50	110.10
14	B2	814	CLA	CMD-C2D-C1D	3.25	130.43	124.71
14	A2	1601	CLA	C2C-C1C-NC	3.25	113.01	109.97
14	B4	813	CLA	C2C-C1C-NC	3.25	113.01	109.97
14	A3	810	CLA	O2D-CGD-CBD	3.24	117.03	111.27
14	L5	204	CLA	C2D-C1D-ND	3.24	112.50	110.10
14	A3	837	CLA	CMD-C2D-C1D	3.24	130.43	124.71
16	A6	1643	BCR	C38-C26-C25	3.24	128.17	124.53
14	A1	825	CLA	C4A-NA-C1A	3.24	108.16	106.71
14	B3	1806	CLA	O2A-CGA-CBA	3.24	122.08	111.91
14	B6	817	CLA	O2A-CGA-CBA	3.24	122.08	111.91
14	B6	823	CLA	C2C-C1C-NC	3.24	113.01	109.97
14	A2	1644	CLA	O2A-CGA-CBA	3.24	122.08	111.91
14	A2	1642	CLA	C3C-C4C-NC	3.24	114.21	110.57
14	A6	1640	CLA	C4A-NA-C1A	3.24	108.16	106.71
14	B2	803	CLA	C2C-C1C-NC	3.24	113.01	109.97
14	B6	836	CLA	C1D-ND-C4D	-3.24	104.03	106.33
14	B5	1841	CLA	C2D-C1D-ND	3.24	112.49	110.10
16	B6	843	BCR	C33-C5-C6	3.24	128.17	124.53
14	B2	822	CLA	C2C-C1C-NC	3.24	113.01	109.97
16	F1	1302	BCR	C29-C30-C25	3.24	115.47	110.48
14	L1	202	CLA	C4A-NA-C1A	3.24	108.16	106.71
14	A4	833	CLA	C2D-C1D-ND	3.24	112.49	110.10
14	B1	824	CLA	CMD-C2D-C1D	3.24	130.42	124.71
14	A2	1604	CLA	CHD-C1D-ND	-3.24	121.48	124.45
14	B5	1807	CLA	CMD-C2D-C1D	3.24	130.42	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B2	826	CLA	CBA-CAA-C2A	3.24	123.42	113.86
14	B6	826	CLA	C2C-C1C-NC	3.24	113.00	109.97
14	B3	1811	CLA	C4A-NA-C1A	3.24	108.16	106.71
14	A6	1622	CLA	CMD-C2D-C1D	3.24	130.42	124.71
16	B4	846	BCR	C32-C1-C6	3.23	115.55	110.30
14	B6	812	CLA	CMD-C2D-C1D	3.23	130.41	124.71
14	A5	809	CLA	CMD-C2D-C1D	3.23	130.41	124.71
14	B6	831	CLA	CMD-C2D-C1D	3.23	130.41	124.71
14	A1	835	CLA	CHD-C1D-ND	-3.23	121.48	124.45
14	L5	203	CLA	C4A-NA-C1A	3.23	108.16	106.71
14	A2	1622	CLA	CMD-C2D-C1D	3.23	130.41	124.71
14	A5	826	CLA	CMD-C2D-C1D	3.23	130.41	124.71
14	A6	1630	CLA	C2D-C1D-ND	3.23	112.48	110.10
14	B4	819	CLA	CMD-C2D-C1D	3.23	130.41	124.71
16	F1	1302	BCR	C2-C1-C6	3.23	115.45	110.48
16	A5	848	BCR	C2-C1-C6	3.23	115.45	110.48
14	B3	1828	CLA	C2C-C1C-NC	3.23	113.00	109.97
14	A5	834	CLA	C2C-C1C-NC	3.23	113.00	109.97
14	A1	839	CLA	O2D-CGD-CBD	3.23	117.00	111.27
16	A1	842	BCR	C2-C1-C6	3.23	115.45	110.48
17	A4	851	LHG	O7-C7-C8	3.23	118.46	111.50
14	A1	828	CLA	CMB-C2B-C3B	3.23	130.72	124.68
14	A6	1629	CLA	CMB-C2B-C3B	3.23	130.72	124.68
14	A2	1629	CLA	O2A-CGA-CBA	3.23	122.03	111.91
14	A3	835	CLA	C2C-C1C-NC	3.23	113.00	109.97
14	A5	814	CLA	C2C-C1C-NC	3.23	113.00	109.97
16	J5	104	BCR	C29-C30-C25	3.23	115.45	110.48
14	L5	205	CLA	CHD-C1D-ND	-3.23	121.49	124.45
16	A3	851	BCR	C29-C30-C25	3.23	115.45	110.48
14	A3	808	CLA	O2A-CGA-CBA	3.23	122.03	111.91
14	K6	1401	CLA	CMD-C2D-C1D	3.23	130.40	124.71
14	B4	813	CLA	O2D-CGD-CBD	3.23	117.00	111.27
16	A3	847	BCR	C38-C26-C25	3.22	128.15	124.53
14	B5	1809	CLA	C1D-ND-C4D	-3.22	104.05	106.33
17	A5	852	LHG	O7-C7-C8	3.22	118.45	111.50
14	B3	1833	CLA	CMD-C2D-C1D	3.22	130.39	124.71
14	B5	1801	CLA	CMD-C2D-C1D	3.22	130.39	124.71
14	J6	1103	CLA	C2C-C1C-NC	3.22	112.99	109.97
14	A3	804	CLA	CMD-C2D-C1D	3.22	130.39	124.71
14	B2	816	CLA	O2D-CGD-CBD	3.22	116.99	111.27
14	B6	810	CLA	O2D-CGD-CBD	3.22	116.99	111.27
14	K2	1401	CLA	CMD-C2D-C1D	3.22	130.39	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B3	1825	CLA	C2C-C1C-NC	3.22	112.99	109.97
14	B1	816	CLA	CMD-C2D-C1D	3.22	130.39	124.71
17	A3	853	LHG	O7-C7-C8	3.22	118.44	111.50
14	B4	831	CLA	C2D-C1D-ND	3.22	112.48	110.10
14	F2	204	CLA	C2C-C1C-NC	3.22	112.99	109.97
14	B1	821	CLA	CMD-C2D-C1D	3.22	130.38	124.71
14	A5	816	CLA	CMD-C2D-C1D	3.22	130.38	124.71
14	L5	202	CLA	CMD-C2D-C1D	3.22	130.38	124.71
14	A2	1637	CLA	C1D-ND-C4D	-3.22	104.05	106.33
14	B3	1834	CLA	C4A-NA-C1A	3.22	108.15	106.71
16	A4	847	BCR	C2-C1-C6	3.22	115.43	110.48
14	B4	831	CLA	CMD-C2D-C1D	3.22	130.38	124.71
16	A2	1652	BCR	C29-C30-C25	3.22	115.43	110.48
14	A3	829	CLA	CMB-C2B-C3B	3.22	130.69	124.68
14	A3	815	CLA	C2C-C1C-NC	3.22	112.98	109.97
14	B4	832	CLA	C2C-C1C-NC	3.22	112.98	109.97
14	A6	1601	CLA	C2C-C1C-NC	3.22	112.98	109.97
16	B6	850	BCR	C29-C30-C25	3.21	115.43	110.48
14	K6	1401	CLA	C4A-NA-C1A	3.21	108.15	106.71
14	A1	809	CLA	C2D-C1D-ND	3.21	112.47	110.10
14	A6	1603	CLA	CMD-C2D-C1D	3.21	130.38	124.71
14	A2	1621	CLA	O2D-CGD-CBD	3.21	116.98	111.27
14	A5	842	CLA	C2D-C1D-ND	3.21	112.47	110.10
14	A3	825	CLA	C4A-NA-C1A	3.21	108.15	106.71
14	B4	819	CLA	C4A-NA-C1A	3.21	108.15	106.71
14	A3	828	CLA	C3C-C4C-NC	3.21	114.17	110.57
14	L6	206	CLA	C2C-C1C-NC	3.21	112.98	109.97
14	B2	838	CLA	C2D-C1D-ND	3.21	112.47	110.10
14	A2	1625	CLA	O2A-CGA-CBA	3.21	121.98	111.91
14	A1	808	CLA	CMD-C2D-C1D	3.21	130.37	124.71
14	A4	814	CLA	C2C-C1C-NC	3.21	112.98	109.97
16	B1	848	BCR	C29-C30-C25	3.21	115.42	110.48
14	A2	1617	CLA	CMD-C2D-C1D	3.21	130.37	124.71
14	A1	838	CLA	C3C-C4C-NC	3.21	114.17	110.57
16	A5	847	BCR	C2-C1-C6	3.21	115.42	110.48
14	B5	1805	CLA	C2C-C1C-NC	3.21	112.98	109.97
16	A3	850	BCR	C29-C30-C25	3.21	115.42	110.48
14	B4	811	CLA	C4A-NA-C1A	3.21	108.15	106.71
14	A6	1615	CLA	CMD-C2D-C1D	3.21	130.37	124.71
14	B1	839	CLA	C1D-ND-C4D	-3.21	104.06	106.33
14	B4	808	CLA	O2D-CGD-CBD	3.21	116.97	111.27
14	B6	804	CLA	C4A-NA-C1A	3.21	108.15	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	B6	844	BCR	C2-C1-C6	3.21	115.42	110.48
17	A2	1654	LHG	O7-C7-C8	3.20	118.41	111.50
14	A4	822	CLA	O2A-CGA-CBA	3.20	121.97	111.91
14	A6	1615	CLA	C2C-C1C-NC	3.20	112.97	109.97
14	B2	824	CLA	C1D-ND-C4D	-3.20	104.06	106.33
14	B6	831	CLA	C1D-ND-C4D	-3.20	104.06	106.33
14	A2	1633	CLA	C2D-C1D-ND	3.20	112.47	110.10
14	A5	807	CLA	C3C-C4C-NC	3.20	114.16	110.57
14	A5	827	CLA	O2A-CGA-CBA	3.20	121.96	111.91
14	A2	1644	CLA	CMD-C2D-C1D	3.20	130.36	124.71
14	B3	1801	CLA	CMD-C2D-C1D	3.20	130.36	124.71
14	B4	826	CLA	CMD-C2D-C1D	3.20	130.36	124.71
14	A3	838	CLA	CHD-C1D-ND	-3.20	121.51	124.45
14	A2	1617	CLA	C2C-C1C-NC	3.20	112.97	109.97
14	B6	811	CLA	C2C-C1C-NC	3.20	112.97	109.97
14	A4	840	CLA	C3C-C4C-NC	3.20	114.16	110.57
14	A6	1630	CLA	C4A-NA-C1A	3.20	108.14	106.71
16	J4	103	BCR	C36-C18-C19	3.20	123.12	118.08
16	A2	1647	BCR	C29-C30-C25	3.20	115.41	110.48
16	B4	846	BCR	C2-C1-C6	3.20	115.41	110.48
14	B1	815	CLA	CMD-C2D-C1D	3.20	130.35	124.71
14	B2	807	CLA	CMD-C2D-C1D	3.20	130.35	124.71
14	B2	835	CLA	CMD-C2D-C1D	3.20	130.35	124.71
16	A4	849	BCR	C29-C30-C25	3.20	115.41	110.48
14	J3	101	CLA	CMD-C2D-C1D	3.20	130.35	124.71
16	F1	1302	BCR	C35-C13-C14	-3.20	118.44	122.92
14	B5	1813	CLA	C2C-C1C-NC	3.20	112.97	109.97
14	B1	826	CLA	CMD-C2D-C1D	3.20	130.35	124.71
14	L6	207	CLA	CHD-C1D-ND	-3.20	121.52	124.45
14	B4	819	CLA	C2C-C1C-NC	3.20	112.97	109.97
14	B6	818	CLA	C1D-ND-C4D	-3.20	104.06	106.33
14	I1	101	CLA	C2D-C1D-ND	3.20	112.46	110.10
14	B4	820	CLA	C1D-ND-C4D	-3.20	104.06	106.33
14	A2	1636	CLA	O2D-CGD-CBD	3.20	116.95	111.27
14	A4	807	CLA	CMD-C2D-C1D	3.20	130.34	124.71
14	B6	817	CLA	C2C-C1C-NC	3.19	112.97	109.97
16	B2	843	BCR	C2-C1-C6	3.19	115.40	110.48
14	B4	829	CLA	CBA-CAA-C2A	3.19	123.29	113.86
14	L3	205	CLA	CMD-C2D-C1D	3.19	130.34	124.71
14	B5	1834	CLA	C2C-C1C-NC	3.19	112.96	109.97
14	L2	206	CLA	CHD-C1D-ND	-3.19	121.52	124.45
16	F5	1302	BCR	C35-C13-C14	-3.19	118.45	122.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A3	815	CLA	CMD-C2D-C1D	3.19	130.34	124.71
14	B6	829	CLA	CMD-C2D-C1D	3.19	130.34	124.71
14	A5	814	CLA	CMD-C2D-C1D	3.19	130.34	124.71
14	B2	802	CLA	C3C-C4C-NC	3.19	114.15	110.57
14	A1	807	CLA	CMD-C2D-C1D	3.19	130.34	124.71
14	A5	808	CLA	CMD-C2D-C1D	3.19	130.34	124.71
14	A1	813	CLA	C2C-C1C-NC	3.19	112.96	109.97
14	A4	818	CLA	CMD-C2D-C1D	3.19	130.34	124.71
14	B5	1825	CLA	C2C-C1C-NC	3.19	112.96	109.97
16	A4	844	BCR	C29-C30-C25	3.19	115.39	110.48
14	A1	832	CLA	C2C-C1C-NC	3.19	112.96	109.97
14	B5	1821	CLA	C3C-C4C-NC	3.19	114.15	110.57
14	B2	825	CLA	CMD-C2D-C1D	3.19	130.33	124.71
14	B3	1831	CLA	CMD-C2D-C1D	3.19	130.33	124.71
16	B2	843	BCR	C32-C1-C6	3.19	115.47	110.30
14	A5	841	CLA	C3C-C4C-NC	3.19	114.15	110.57
14	A4	804	CLA	C2C-C1C-NC	3.19	112.96	109.97
14	A5	842	CLA	O2A-CGA-CBA	3.19	121.91	111.91
14	B3	1813	CLA	C4A-NA-C1A	3.19	108.14	106.71
14	A3	804	CLA	C1D-ND-C4D	-3.19	104.07	106.33
14	B2	811	CLA	CMD-C2D-C1D	3.19	130.33	124.71
14	B2	821	CLA	CMD-C2D-C1D	3.19	130.33	124.71
14	B6	805	CLA	C2C-C1C-NC	3.19	112.96	109.97
14	A1	806	CLA	O2A-CGA-CBA	3.19	121.91	111.91
14	B6	830	CLA	C2C-C1C-NC	3.19	112.96	109.97
14	A4	809	CLA	C4A-NA-C1A	3.19	108.14	106.71
14	A4	841	CLA	O2A-CGA-CBA	3.19	121.90	111.91
16	B3	1849	BCR	C33-C5-C6	3.18	128.10	124.53
14	B1	830	CLA	CMD-C2D-C1D	3.18	130.32	124.71
14	A2	1621	CLA	CMD-C2D-C1D	3.18	130.32	124.71
14	A1	828	CLA	C1D-ND-C4D	-3.18	104.07	106.33
14	B2	816	CLA	O2A-CGA-CBA	3.18	121.90	111.91
14	B3	1818	CLA	CMD-C2D-C1D	3.18	130.32	124.71
14	A4	841	CLA	CMD-C2D-C1D	3.18	130.32	124.71
14	A6	1601	CLA	CMD-C2D-C1D	3.18	130.32	124.71
14	B5	1802	CLA	CMD-C2D-C1D	3.18	130.32	124.71
14	B1	805	CLA	O2A-CGA-CBA	3.18	121.90	111.91
16	A2	1649	BCR	C2-C1-C6	3.18	115.38	110.48
14	A3	826	CLA	C4A-NA-C1A	3.18	108.14	106.71
14	A4	828	CLA	C2D-C1D-ND	3.18	112.45	110.10
14	B2	815	CLA	C2C-C1C-NC	3.18	112.95	109.97
14	B2	804	CLA	CMD-C2D-C1D	3.18	130.32	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B5	1828	CLA	CMD-C2D-C1D	3.18	130.32	124.71
16	B6	847	BCR	C33-C5-C6	3.18	128.10	124.53
14	A2	1609	CLA	C3C-C4C-NC	3.18	114.14	110.57
14	A1	819	CLA	O2A-CGA-CBA	3.18	121.88	111.91
14	A1	829	CLA	C2D-C1D-ND	3.18	112.45	110.10
14	B1	819	CLA	CMD-C2D-C1D	3.18	130.31	124.71
14	B3	1802	CLA	CMD-C2D-C1D	3.18	130.31	124.71
14	B3	1823	CLA	CMD-C2D-C1D	3.18	130.31	124.71
14	B1	818	CLA	O2A-CGA-CBA	3.18	121.88	111.91
14	A2	1616	CLA	C1D-ND-C4D	-3.18	104.08	106.33
14	A2	1602	CLA	CMD-C2D-C1D	3.18	130.31	124.71
14	A2	1612	CLA	C4A-NA-C1A	3.18	108.13	106.71
14	B6	841	CLA	CMD-C2D-C1D	3.18	130.31	124.71
14	A1	826	CLA	O2A-CGA-CBA	3.18	121.87	111.91
14	L1	205	CLA	C2C-C1C-NC	3.18	112.95	109.97
14	B4	812	CLA	O2D-CGD-CBD	3.18	116.91	111.27
14	B1	854	CLA	O2D-CGD-CBD	3.18	116.91	111.27
14	L1	207	CLA	CMD-C2D-C1D	3.17	130.31	124.71
14	B4	842	CLA	C2D-C1D-ND	3.17	112.44	110.10
14	B6	819	CLA	O2D-CGD-CBD	3.17	116.91	111.27
14	A1	813	CLA	CMD-C2D-C1D	3.17	130.30	124.71
14	B3	1809	CLA	C1D-ND-C4D	-3.17	104.08	106.33
14	B4	834	CLA	C2C-C1C-NC	3.17	112.94	109.97
14	A1	805	CLA	CMD-C2D-C1D	3.17	130.30	124.71
14	L5	206	CLA	CMD-C2D-C1D	3.17	130.30	124.71
16	L1	209	BCR	C29-C30-C25	3.17	115.36	110.48
14	B6	816	CLA	C2C-C1C-NC	3.17	112.94	109.97
16	A1	845	BCR	C2-C1-C6	3.17	115.36	110.48
14	A6	1640	CLA	C3C-C4C-NC	3.17	114.13	110.57
14	B2	808	CLA	C4A-NA-C1A	3.17	108.13	106.71
14	A3	814	CLA	C2C-C1C-NC	3.17	112.94	109.97
14	B2	816	CLA	CMD-C2D-C1D	3.17	130.30	124.71
14	A5	843	CLA	C2D-C1D-ND	3.17	112.44	110.10
14	A5	803	CLA	O2A-CGA-CBA	3.17	121.85	111.91
14	A4	817	CLA	C4A-NA-C1A	3.17	108.13	106.71
14	L2	205	CLA	C2C-C1C-NC	3.17	112.94	109.97
14	A2	1631	CLA	O2A-CGA-CBA	3.17	121.85	111.91
16	A4	849	BCR	C32-C1-C6	3.17	115.44	110.30
14	J1	102	CLA	CMD-C2D-C1D	3.17	130.29	124.71
14	B4	814	CLA	CMD-C2D-C1D	3.17	130.29	124.71
16	A3	849	BCR	C2-C1-C6	3.16	115.35	110.48
16	A6	1648	BCR	C29-C30-C25	3.16	115.35	110.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B2	830	CLA	CMD-C2D-C1D	3.16	130.29	124.71
14	B5	1829	CLA	CBA-CAA-C2A	3.16	123.20	113.86
14	A4	821	CLA	CMD-C2D-C1D	3.16	130.29	124.71
14	B5	1838	CLA	CMD-C2D-C1D	3.16	130.29	124.71
17	A2	1653	LHG	O7-C7-C8	3.16	118.32	111.50
14	A4	853	CLA	C2C-C1C-NC	3.16	112.93	109.97
14	A5	821	CLA	C2C-C1C-NC	3.16	112.93	109.97
14	B6	829	CLA	C2D-C1D-ND	3.16	112.43	110.10
14	B2	840	CLA	CMD-C2D-C1D	3.16	130.28	124.71
14	L3	205	CLA	C2D-C1D-ND	3.16	112.43	110.10
14	A5	837	CLA	O2D-CGD-CBD	3.16	116.88	111.27
14	A2	1616	CLA	C2C-C1C-NC	3.16	112.93	109.97
14	A3	835	CLA	CMD-C2D-C1D	3.16	130.28	124.71
16	A1	843	BCR	C40-C30-C25	3.16	115.42	110.30
16	B3	1847	BCR	C33-C5-C6	3.16	128.07	124.53
14	A1	825	CLA	CMD-C2D-C1D	3.16	130.28	124.71
14	A3	801	CLA	CMD-C2D-C1D	3.16	130.28	124.71
16	M1	1202	BCR	C2-C1-C6	3.16	115.34	110.48
16	A3	847	BCR	C33-C5-C6	3.16	128.07	124.53
14	B2	819	CLA	C2C-C1C-NC	3.16	112.93	109.97
14	B6	832	CLA	C2C-C1C-NC	3.16	112.93	109.97
14	A2	1612	CLA	C2D-C1D-ND	3.16	112.43	110.10
14	B1	803	CLA	O2A-CGA-CBA	3.16	121.81	111.91
14	B2	825	CLA	C3C-C4C-NC	3.16	114.11	110.57
14	A1	801	CLA	C4D-CHA-C1A	-3.16	117.41	121.25
16	J1	103	BCR	C36-C18-C19	3.15	123.05	118.08
14	B1	801	CLA	C3C-C4C-NC	3.15	114.11	110.57
16	A6	1647	BCR	C29-C30-C25	3.15	115.34	110.48
14	A2	1636	CLA	C2C-C1C-NC	3.15	112.93	109.97
16	B3	1851	BCR	C29-C30-C25	3.15	115.34	110.48
14	A1	839	CLA	CMD-C2D-C1D	3.15	130.27	124.71
16	A2	1650	BCR	C29-C30-C25	3.15	115.33	110.48
14	A2	1620	CLA	CMD-C2D-C1D	3.15	130.27	124.71
16	I5	102	BCR	C37-C22-C23	3.15	123.04	118.08
14	B6	835	CLA	C1D-ND-C4D	-3.15	104.10	106.33
14	B1	818	CLA	CMD-C2D-C1D	3.15	130.27	124.71
14	L3	202	CLA	CMD-C2D-C1D	3.15	130.27	124.71
14	B3	1837	CLA	C1D-ND-C4D	-3.15	104.10	106.33
16	J5	103	BCR	C36-C18-C19	3.15	123.04	118.08
14	B2	822	CLA	C4A-NA-C1A	3.15	108.12	106.71
14	B6	835	CLA	C4A-NA-C1A	3.15	108.12	106.71
14	B4	839	CLA	C2C-C1C-NC	3.15	112.92	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	B2	842	BCR	C33-C5-C6	3.15	128.06	124.53
17	A5	851	LHG	O7-C7-C8	3.15	118.29	111.50
14	L4	203	CLA	C2D-C1D-ND	3.15	112.42	110.10
16	F3	203	BCR	C29-C30-C25	3.15	115.33	110.48
17	A6	1649	LHG	O7-C7-C8	3.15	118.28	111.50
14	J6	1102	CLA	CMD-C2D-C1D	3.15	130.26	124.71
14	A1	804	CLA	C2C-C1C-NC	3.15	112.92	109.97
14	B4	837	CLA	C1D-ND-C4D	-3.15	104.10	106.33
16	A4	846	BCR	C2-C1-C6	3.15	115.32	110.48
14	A3	841	CLA	C3C-C4C-NC	3.15	114.10	110.57
14	A1	833	CLA	C2C-C1C-NC	3.15	112.92	109.97
14	B1	812	CLA	C2D-C1D-ND	3.15	112.42	110.10
14	B3	1842	CLA	C2D-C1D-ND	3.15	112.42	110.10
14	A3	845	CLA	CMD-C2D-C1D	3.15	130.26	124.71
14	J3	102	CLA	CMD-C2D-C1D	3.15	130.26	124.71
14	A2	1601	CLA	C1D-ND-C4D	-3.14	104.10	106.33
14	L2	205	CLA	C2D-C1D-ND	3.14	112.42	110.10
14	A5	821	CLA	C4A-NA-C1A	3.14	108.12	106.71
14	L4	204	CLA	CHD-C1D-ND	-3.14	121.57	124.45
14	A4	814	CLA	CMD-C2D-C1D	3.14	130.25	124.71
14	B4	817	CLA	C3C-C4C-NC	3.14	114.09	110.57
17	A4	850	LHG	O7-C7-C8	3.14	118.27	111.50
14	B3	1814	CLA	CMD-C2D-C1D	3.14	130.25	124.71
14	A4	806	CLA	C3C-C4C-NC	3.14	114.09	110.57
14	B5	1817	CLA	C2C-C1C-NC	3.14	112.91	109.97
14	A5	836	CLA	CMD-C2D-C1D	3.14	130.25	124.71
14	B6	836	CLA	CMD-C2D-C1D	3.14	130.25	124.71
16	A1	842	BCR	C33-C5-C6	3.14	128.05	124.53
14	B4	830	CLA	O2D-CGD-CBD	3.14	116.85	111.27
14	B3	1828	CLA	CMB-C2B-C3B	3.14	130.55	124.68
14	A4	833	CLA	CMD-C2D-C1D	3.14	130.24	124.71
14	B5	1806	CLA	O2A-CGA-CBA	3.14	121.75	111.91
14	A2	1613	CLA	CMD-C2D-C1D	3.14	130.24	124.71
14	A3	801	CLA	C3C-C4C-NC	3.14	114.09	110.57
14	A4	839	CLA	C3C-C4C-NC	3.14	114.09	110.57
16	A5	848	BCR	C29-C30-C25	3.14	115.31	110.48
14	B1	836	CLA	C1D-ND-C4D	-3.14	104.11	106.33
14	F1	1301	CLA	C1D-ND-C4D	-3.14	104.11	106.33
14	L2	206	CLA	C2C-C1C-NC	3.14	112.91	109.97
14	A4	802	CLA	C2C-C1C-NC	3.14	112.91	109.97
14	B6	817	CLA	CMD-C2D-C1D	3.14	130.24	124.71
14	A2	1632	CLA	C2D-C1D-ND	3.14	112.42	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A2	1602	CLA	C2D-C1D-ND	3.13	112.41	110.10
14	B3	1836	CLA	CMD-C2D-C1D	3.13	130.24	124.71
14	K1	1401	CLA	C2D-C1D-ND	3.13	112.41	110.10
14	A2	1644	CLA	C2D-C1D-ND	3.13	112.41	110.10
14	A3	843	CLA	C2D-C1D-ND	3.13	112.41	110.10
14	B4	841	CLA	C2D-C1D-ND	3.13	112.41	110.10
14	A6	1629	CLA	C2D-C1D-ND	3.13	112.41	110.10
16	A3	852	BCR	C29-C30-C25	3.13	115.30	110.48
14	A1	827	CLA	O2D-CGD-CBD	3.13	116.83	111.27
14	A1	835	CLA	O2D-CGD-CBD	3.13	116.83	111.27
14	B1	840	CLA	C2D-C1D-ND	3.13	112.41	110.10
14	B2	810	CLA	C2D-C1D-ND	3.13	112.41	110.10
14	L1	205	CLA	C4A-NA-C1A	3.13	108.11	106.71
14	A4	839	CLA	C4A-NA-C1A	3.13	108.11	106.71
14	B5	1831	CLA	CMD-C2D-C1D	3.13	130.23	124.71
14	B6	815	CLA	C2C-C1C-NC	3.13	112.91	109.97
14	B5	1812	CLA	O2D-CGD-CBD	3.13	116.83	111.27
14	A2	1628	CLA	CMD-C2D-C1D	3.13	130.23	124.71
14	A5	843	CLA	CMD-C2D-C1D	3.13	130.23	124.71
16	B5	1846	BCR	C30-C25-C26	-3.13	118.20	122.61
14	A3	827	CLA	O2A-CGA-CBA	3.13	121.73	111.91
14	L3	203	CLA	C2D-C1D-ND	3.13	112.41	110.10
14	X2	1701	CLA	CMD-C2D-C1D	3.13	130.23	124.71
14	A4	802	CLA	O2A-CGA-CBA	3.13	121.72	111.91
14	A6	1621	CLA	CMB-C2B-C1B	-3.13	123.66	128.46
14	A4	830	CLA	C2D-C1D-ND	3.13	112.41	110.10
16	J2	102	BCR	C36-C18-C19	3.13	123.00	118.08
14	B3	1805	CLA	C2C-C1C-NC	3.13	112.90	109.97
14	B1	801	CLA	CMD-C2D-C1D	3.13	130.22	124.71
14	B5	1826	CLA	C4A-NA-C1A	3.13	108.11	106.71
14	B3	1833	CLA	C1D-ND-C4D	-3.13	104.11	106.33
14	B4	806	CLA	O2A-CGA-CBA	3.13	121.72	111.91
14	A6	1625	CLA	C4A-NA-C1A	3.13	108.11	106.71
14	A6	1634	CLA	CMD-C2D-C1D	3.12	130.22	124.71
16	B2	842	BCR	C29-C30-C25	3.12	115.29	110.48
14	X5	101	CLA	C2C-C1C-NC	3.12	112.90	109.97
14	A6	1611	CLA	CMD-C2D-C1D	3.12	130.22	124.71
16	A2	1648	BCR	C40-C30-C25	3.12	115.37	110.30
14	A5	819	CLA	CMD-C2D-C1D	3.12	130.22	124.71
16	F4	204	BCR	C29-C30-C25	3.12	115.29	110.48
14	A6	1614	CLA	C2C-C1C-NC	3.12	112.90	109.97
14	B2	826	CLA	CHD-C4C-C3C	-3.12	120.25	124.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B1	823	CLA	C2C-C1C-NC	3.12	112.89	109.97
16	A5	850	BCR	C29-C30-C25	3.12	115.28	110.48
14	A2	1604	CLA	C2D-C1D-ND	3.12	112.40	110.10
14	L6	208	CLA	C3C-C4C-NC	3.12	114.07	110.57
14	A4	841	CLA	O2D-CGD-CBD	3.12	116.81	111.27
14	B3	1819	CLA	CMD-C2D-C1D	3.12	130.21	124.71
14	B4	837	CLA	CMD-C2D-C1D	3.12	130.21	124.71
14	X5	101	CLA	CMD-C2D-C1D	3.12	130.21	124.71
14	B2	814	CLA	C3C-C4C-NC	3.12	114.07	110.57
14	A2	1644	CLA	O2D-CGD-CBD	3.12	116.81	111.27
14	J5	102	CLA	C2C-C1C-NC	3.12	112.89	109.97
16	B4	845	BCR	C33-C5-C6	3.12	128.03	124.53
14	B4	833	CLA	CMD-C2D-C1D	3.12	130.21	124.71
14	A6	1619	CLA	CMD-C2D-C1D	3.12	130.21	124.71
16	F6	201	BCR	C29-C30-C25	3.12	115.28	110.48
14	A6	1608	CLA	O2A-CGA-CBA	3.12	121.69	111.91
14	A3	830	CLA	C4A-NA-C1A	3.12	108.11	106.71
14	A4	832	CLA	C4A-NA-C1A	3.12	108.11	106.71
14	B3	1843	CLA	CMD-C2D-C1D	3.12	130.21	124.71
14	A4	801	CLA	CMD-C2D-C1D	3.12	130.20	124.71
16	A3	849	BCR	C33-C5-C6	3.12	128.03	124.53
14	A2	1614	CLA	O2A-CGA-CBA	3.11	121.68	111.91
14	B2	834	CLA	C4A-NA-C1A	3.11	108.11	106.71
14	B5	1822	CLA	CMD-C2D-C1D	3.11	130.20	124.71
14	A4	828	CLA	C3C-C4C-NC	3.11	114.06	110.57
14	B4	828	CLA	C3C-C4C-NC	3.11	114.06	110.57
14	B2	802	CLA	O2A-CGA-CBA	3.11	121.68	111.91
14	A4	803	CLA	CMD-C2D-C1D	3.11	130.20	124.71
14	B4	843	CLA	CMD-C2D-C1D	3.11	130.20	124.71
14	A2	1620	CLA	C2D-C1D-ND	3.11	112.40	110.10
14	A1	827	CLA	C3C-C4C-NC	3.11	114.06	110.57
16	M5	101	BCR	C2-C1-C6	3.11	115.27	110.48
14	B5	1814	CLA	CMD-C2D-C1D	3.11	130.20	124.71
14	B1	805	CLA	C3C-C4C-NC	3.11	114.06	110.57
14	A4	807	CLA	CHD-C4C-C3C	-3.11	120.27	124.84
16	F6	203	BCR	C29-C30-C25	3.11	115.27	110.48
14	A3	842	CLA	C2D-C1D-ND	3.11	112.40	110.10
14	B2	834	CLA	C1D-ND-C4D	-3.11	104.12	106.33
16	A1	847	BCR	C29-C30-C25	3.11	115.27	110.48
14	B5	1837	CLA	CMD-C2D-C1D	3.11	130.19	124.71
14	A3	821	CLA	CMB-C2B-C1B	-3.11	123.68	128.46
14	B2	831	CLA	C2C-C1C-NC	3.11	112.89	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A2	1643	CLA	C3C-C4C-NC	3.11	114.06	110.57
14	B3	1817	CLA	C3C-C4C-NC	3.11	114.06	110.57
14	A5	840	CLA	C3C-C4C-NC	3.11	114.06	110.57
14	B2	815	CLA	O2A-CGA-CBA	3.11	121.66	111.91
14	A3	843	CLA	O2A-CGA-CBA	3.11	121.66	111.91
14	B2	828	CLA	CMD-C2D-C1D	3.11	130.19	124.71
14	B4	815	CLA	CAC-C3C-C4C	3.11	128.84	124.81
14	B6	806	CLA	CMD-C2D-C1D	3.11	130.19	124.71
16	B6	845	BCR	C33-C5-C6	3.11	128.02	124.53
16	M4	101	BCR	C2-C1-C6	3.11	115.26	110.48
14	A3	818	CLA	CMD-C2D-C1D	3.11	130.19	124.71
14	B4	802	CLA	CMD-C2D-C1D	3.11	130.19	124.71
14	A2	1623	CLA	C2C-C1C-NC	3.11	112.88	109.97
14	B5	1810	CLA	CMD-C2D-C1D	3.10	130.19	124.71
14	B6	833	CLA	CHD-C1D-ND	-3.10	121.60	124.45
14	B1	806	CLA	CHD-C1D-ND	-3.10	121.60	124.45
14	A3	830	CLA	C2D-C1D-ND	3.10	112.39	110.10
14	B3	1802	CLA	C2D-C1D-ND	3.10	112.39	110.10
14	A4	805	CLA	CMB-C2B-C3B	3.10	130.48	124.68
14	J1	102	CLA	C1D-ND-C4D	-3.10	104.13	106.33
14	A2	1634	CLA	C1D-ND-C4D	-3.10	104.13	106.33
16	A4	845	BCR	C40-C30-C25	3.10	115.33	110.30
14	B1	819	CLA	CMB-C2B-C1B	-3.10	123.70	128.46
14	A3	826	CLA	C3C-C4C-NC	3.10	114.05	110.57
14	L3	204	CLA	C2C-C1C-NC	3.10	112.88	109.97
14	A6	1625	CLA	C2C-C1C-NC	3.10	112.88	109.97
14	L6	207	CLA	C2C-C1C-NC	3.10	112.88	109.97
14	A3	801	CLA	C4D-CHA-C1A	-3.10	117.47	121.25
14	A5	807	CLA	O2A-CGA-CBA	3.10	121.64	111.91
14	A6	1606	CLA	CMD-C2D-C1D	3.10	130.18	124.71
14	A4	809	CLA	C2D-C1D-ND	3.10	112.39	110.10
14	A5	829	CLA	C2D-C1D-ND	3.10	112.39	110.10
14	A6	1651	CLA	CMD-C2D-C1D	3.10	130.18	124.71
14	A5	834	CLA	CMD-C2D-C1D	3.10	130.18	124.71
14	A6	1602	CLA	C4D-CHA-C1A	-3.10	117.48	121.25
14	A5	806	CLA	CMD-C2D-C1D	3.10	130.17	124.71
14	B3	1838	CLA	C1D-ND-C4D	-3.10	104.13	106.33
14	A4	841	CLA	C2D-C1D-ND	3.10	112.39	110.10
16	A1	846	BCR	C29-C30-C25	3.10	115.25	110.48
14	B1	802	CLA	CMD-C2D-C1D	3.10	130.17	124.71
14	B2	834	CLA	CMD-C2D-C1D	3.10	130.17	124.71
14	A6	1603	CLA	C2D-C1D-ND	3.10	112.39	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A6	1637	CLA	O2D-CGD-CBD	3.10	116.77	111.27
14	A4	826	CLA	O2A-CGA-CBA	3.10	121.62	111.91
14	A1	802	CLA	O2A-CGA-CBA	3.10	121.62	111.91
14	B2	820	CLA	CMD-C2D-C1D	3.09	130.17	124.71
14	A4	810	CLA	CMD-C2D-C1D	3.09	130.17	124.71
14	B5	1803	CLA	C1D-ND-C4D	-3.09	104.14	106.33
14	B5	1802	CLA	C2D-C1D-ND	3.09	112.38	110.10
14	A2	1607	CLA	C1D-ND-C4D	-3.09	104.14	106.33
14	A3	810	CLA	C2D-C1D-ND	3.09	112.38	110.10
14	B5	1826	CLA	CMD-C2D-C1D	3.09	130.16	124.71
14	B5	1813	CLA	O2D-CGD-CBD	3.09	116.76	111.27
14	A1	820	CLA	CED-O2D-CGD	3.09	122.93	115.94
14	A2	1641	CLA	O2A-CGA-CBA	3.09	121.61	111.91
14	B6	835	CLA	CMD-C2D-C1D	3.09	130.16	124.71
14	B3	1835	CLA	C2C-C1C-NC	3.09	112.87	109.97
14	B5	1804	CLA	O2A-CGA-CBA	3.09	121.60	111.91
14	A5	823	CLA	C4A-NA-C1A	3.09	108.09	106.71
14	A5	821	CLA	C1D-ND-C4D	-3.09	104.14	106.33
14	A2	1603	CLA	C3C-C4C-NC	3.09	114.03	110.57
16	B3	1845	BCR	C33-C5-C6	3.09	128.00	124.53
14	B3	1802	CLA	CHD-C1D-ND	-3.09	121.62	124.45
14	B1	821	CLA	C2C-C1C-NC	3.09	112.86	109.97
14	B3	1819	CLA	O2D-CGD-CBD	3.09	116.75	111.27
14	X3	102	CLA	CMD-C2D-C1D	3.09	130.15	124.71
14	A6	1637	CLA	CHD-C1D-ND	-3.09	121.62	124.45
16	M6	1202	BCR	C2-C1-C6	3.09	115.23	110.48
14	A4	827	CLA	C3C-C4C-NC	3.09	114.03	110.57
14	A4	842	CLA	CMD-C2D-C1D	3.08	130.15	124.71
14	B1	802	CLA	C2D-C1D-ND	3.08	112.38	110.10
14	A3	845	CLA	C2D-C1D-ND	3.08	112.38	110.10
14	B4	833	CLA	C1D-ND-C4D	-3.08	104.14	106.33
16	J3	103	BCR	C36-C18-C19	3.08	122.94	118.08
14	L3	205	CLA	C3C-C4C-NC	3.08	114.03	110.57
14	A2	1636	CLA	CMD-C2D-C1D	3.08	130.15	124.71
14	B6	830	CLA	C1D-ND-C4D	-3.08	104.14	106.33
14	B3	1817	CLA	C2C-C1C-NC	3.08	112.86	109.97
14	A2	1610	CLA	CHD-C4C-C3C	-3.08	120.31	124.84
14	B3	1804	CLA	CMD-C2D-C1D	3.08	130.15	124.71
14	B1	816	CLA	C2C-C1C-NC	3.08	112.86	109.97
16	B1	843	BCR	C29-C30-C25	3.08	115.22	110.48
14	B2	817	CLA	C1D-ND-C4D	-3.08	104.15	106.33
14	F6	202	CLA	C1D-ND-C4D	-3.08	104.15	106.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	J2	101	CLA	CMD-C2D-C1D	3.08	130.14	124.71
16	A5	849	BCR	C29-C30-C25	3.08	115.22	110.48
14	J6	1103	CLA	CMD-C2D-C1D	3.08	130.14	124.71
14	X6	1701	CLA	CMD-C2D-C1D	3.08	130.14	124.71
14	J4	102	CLA	CMD-C2D-C1D	3.08	130.14	124.71
14	A3	819	CLA	CMD-C2D-C1D	3.08	130.14	124.71
14	B4	803	CLA	CMD-C2D-C1D	3.08	130.14	124.71
14	A2	1639	CLA	CHD-C1D-ND	-3.08	121.62	124.45
14	B3	1836	CLA	CHD-C1D-ND	-3.08	121.62	124.45
14	B5	1801	CLA	O2A-CGA-CBA	3.08	121.57	111.91
14	B1	841	CLA	CMD-C2D-C1D	3.08	130.14	124.71
14	A6	1610	CLA	C2D-C1D-ND	3.08	112.37	110.10
14	B2	832	CLA	C2C-C1C-NC	3.08	112.86	109.97
14	L2	207	CLA	CMD-C2D-C1D	3.08	130.14	124.71
16	L4	206	BCR	C30-C25-C24	3.08	124.48	115.78
14	A5	811	CLA	CMD-C2D-C1D	3.08	130.13	124.71
14	A1	811	CLA	O2A-CGA-CBA	3.08	121.56	111.91
14	A2	1608	CLA	CMB-C2B-C3B	3.08	130.43	124.68
16	J6	1104	BCR	C36-C18-C19	3.08	122.92	118.08
14	A6	1619	CLA	CMB-C2B-C1B	-3.08	123.74	128.46
14	A5	819	CLA	CMB-C2B-C1B	-3.07	123.74	128.46
14	B2	808	CLA	C1D-ND-C4D	-3.07	104.15	106.33
14	A2	1603	CLA	CMD-C2D-C1D	3.07	130.13	124.71
14	A3	811	CLA	CMD-C2D-C1D	3.07	130.13	124.71
16	B5	1848	BCR	C29-C30-C25	3.07	115.21	110.48
14	A2	1610	CLA	O2A-CGA-CBA	3.07	121.55	111.91
14	A3	802	CLA	C3C-C4C-NC	3.07	114.02	110.57
14	J3	101	CLA	C2C-C1C-NC	3.07	112.85	109.97
14	L2	205	CLA	C4A-NA-C1A	3.07	108.09	106.71
14	B3	1818	CLA	C4A-NA-C1A	3.07	108.09	106.71
14	A6	1610	CLA	C4A-NA-C1A	3.07	108.09	106.71
14	B1	819	CLA	C1D-ND-C4D	-3.07	104.15	106.33
16	B1	848	BCR	C8-C9-C10	-3.07	114.23	118.94
14	A5	814	CLA	C1D-ND-C4D	-3.07	104.15	106.33
16	B4	845	BCR	C29-C30-C25	3.07	115.21	110.48
14	A2	1642	CLA	C2D-C1D-ND	3.07	112.37	110.10
14	B1	837	CLA	CMD-C2D-C1D	3.07	130.12	124.71
14	L4	204	CLA	C2C-C1C-NC	3.07	112.85	109.97
14	B3	1828	CLA	C3C-C4C-NC	3.07	114.01	110.57
14	A6	1633	CLA	C4A-NA-C1A	3.07	108.08	106.71
14	A1	828	CLA	C3C-C4C-NC	3.07	114.01	110.57
14	B5	1804	CLA	CMD-C2D-C1D	3.07	130.12	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B1	830	CLA	C4A-NA-C1A	3.07	108.08	106.71
16	B3	1845	BCR	C29-C30-C25	3.06	115.20	110.48
16	A5	846	BCR	C40-C30-C25	3.06	115.27	110.30
14	B6	802	CLA	C3C-C4C-NC	3.06	114.01	110.57
14	B1	822	CLA	CMD-C2D-C1D	3.06	130.11	124.71
14	B5	1825	CLA	CMD-C2D-C1D	3.06	130.11	124.71
14	B3	1835	CLA	CHD-C1D-ND	-3.06	121.64	124.45
14	B3	1838	CLA	CMD-C2D-C1D	3.06	130.11	124.71
16	A2	1647	BCR	C33-C5-C6	3.06	127.97	124.53
14	B3	1820	CLA	CMB-C2B-C1B	-3.06	123.76	128.46
14	B1	812	CLA	C2C-C1C-NC	3.06	112.84	109.97
14	J6	1101	CLA	C2C-C1C-NC	3.06	112.84	109.97
14	B4	813	CLA	C2D-C1D-ND	3.06	112.36	110.10
14	B1	804	CLA	C4A-NA-C1A	3.06	108.08	106.71
14	B4	828	CLA	C2C-C1C-NC	3.06	112.84	109.97
14	A5	830	CLA	C2D-C1D-ND	3.06	112.36	110.10
16	M3	1602	BCR	C2-C1-C6	3.06	115.19	110.48
14	I6	101	CLA	O2A-CGA-CBA	3.06	121.51	111.91
14	B5	1832	CLA	CHD-C1D-ND	-3.06	121.64	124.45
14	A3	831	CLA	C2D-C1D-ND	3.06	112.36	110.10
14	B2	809	CLA	O2A-CGA-CBA	3.06	121.51	111.91
14	A6	1604	CLA	CMD-C2D-C1D	3.06	130.10	124.71
14	B4	802	CLA	C2D-C1D-ND	3.06	112.36	110.10
14	B1	827	CLA	C2C-C1C-NC	3.06	112.84	109.97
14	A1	810	CLA	CMD-C2D-C1D	3.06	130.10	124.71
14	B1	815	CLA	C4A-NA-C1A	3.06	108.08	106.71
14	A6	1630	CLA	C2C-C1C-NC	3.06	112.83	109.97
14	B3	1832	CLA	C1D-ND-C4D	-3.06	104.16	106.33
14	L6	203	CLA	O2A-CGA-CBA	3.06	121.50	111.91
14	B2	826	CLA	C2D-C1D-ND	3.06	112.36	110.10
14	A2	1639	CLA	O2D-CGD-CBD	3.06	116.70	111.27
14	A1	813	CLA	C1D-ND-C4D	-3.05	104.17	106.33
14	A1	809	CLA	C4A-NA-C1A	3.05	108.08	106.71
14	A1	801	CLA	CMD-C2D-C1D	3.05	130.09	124.71
14	L4	205	CLA	CMD-C2D-C1D	3.05	130.09	124.71
14	B5	1839	CLA	CMD-C2D-C1D	3.05	130.09	124.71
14	J4	101	CLA	C2C-C1C-NC	3.05	112.83	109.97
14	B1	820	CLA	C3C-C4C-NC	3.05	113.99	110.57
14	K5	101	CLA	C1D-ND-C4D	-3.05	104.17	106.33
14	B4	822	CLA	CMD-C2D-C1D	3.05	130.09	124.71
14	B6	826	CLA	CMB-C2B-C3B	3.05	130.39	124.68
14	A4	807	CLA	C3C-C4C-NC	3.05	113.99	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	L3	203	CLA	C2C-C1C-NC	3.05	112.83	109.97
14	A3	819	CLA	CMB-C2B-C1B	-3.05	123.78	128.46
16	A4	847	BCR	C29-C30-C25	3.05	115.18	110.48
14	A1	806	CLA	C3C-C4C-NC	3.05	113.99	110.57
14	A3	842	CLA	C3C-C4C-NC	3.05	113.99	110.57
14	B4	829	CLA	C2D-C1D-ND	3.05	112.35	110.10
14	B2	818	CLA	C3C-C4C-NC	3.05	113.99	110.57
14	B2	805	CLA	O2D-CGD-CBD	3.05	116.69	111.27
14	F1	1301	CLA	CMD-C2D-C1D	3.05	130.09	124.71
16	A2	1651	BCR	C29-C30-C25	3.05	115.17	110.48
14	A1	825	CLA	C3C-C4C-NC	3.05	113.99	110.57
14	A6	1617	CLA	C4A-NA-C1A	3.05	108.08	106.71
14	L6	208	CLA	CMD-C2D-C1D	3.05	130.08	124.71
14	B1	802	CLA	CHD-C1D-ND	-3.05	121.65	124.45
14	A6	1636	CLA	C3C-C4C-NC	3.05	113.99	110.57
14	A2	1627	CLA	C2C-C1C-NC	3.05	112.83	109.97
16	B5	1845	BCR	C33-C5-C6	3.05	127.95	124.53
14	A4	819	CLA	CMD-C2D-C1D	3.05	130.08	124.71
14	A5	802	CLA	C3C-C4C-NC	3.05	113.99	110.57
14	B3	1817	CLA	CMD-C2D-C1D	3.05	130.08	124.71
16	A2	1651	BCR	C37-C22-C23	3.05	122.88	118.08
14	B3	1815	CLA	C3C-C4C-NC	3.05	113.99	110.57
14	A6	1628	CLA	C3C-C4C-NC	3.05	113.99	110.57
14	L6	203	CLA	O2D-CGD-CBD	3.05	116.68	111.27
14	K2	1401	CLA	C2D-C1D-ND	3.05	112.35	110.10
14	K4	1401	CLA	C2D-C1D-ND	3.05	112.35	110.10
14	A5	838	CLA	C2D-C1D-ND	3.05	112.35	110.10
14	B5	1811	CLA	C3C-C4C-NC	3.04	113.98	110.57
14	B3	1828	CLA	CMD-C2D-C1D	3.04	130.08	124.71
14	A5	839	CLA	O2A-CGA-CBA	3.04	121.46	111.91
16	J2	103	BCR	C40-C30-C25	3.04	115.24	110.30
14	A4	817	CLA	CMD-C2D-C1D	3.04	130.08	124.71
14	A1	807	CLA	C3C-C4C-NC	3.04	113.98	110.57
14	B5	1829	CLA	CHD-C4C-C3C	-3.04	120.37	124.84
14	B6	809	CLA	CMD-C2D-C1D	3.04	130.08	124.71
14	B3	1805	CLA	CMD-C2D-C1D	3.04	130.07	124.71
14	A1	833	CLA	C1D-ND-C4D	-3.04	104.17	106.33
14	B4	838	CLA	C1D-ND-C4D	-3.04	104.17	106.33
14	A5	836	CLA	C3C-C4C-NC	3.04	113.98	110.57
16	B6	843	BCR	C29-C30-C25	3.04	115.16	110.48
14	B1	804	CLA	CED-O2D-CGD	3.04	122.82	115.94
14	A4	833	CLA	C2C-C1C-NC	3.04	112.82	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B6	828	CLA	O2D-CGD-CBD	3.04	116.67	111.27
14	A4	836	CLA	CHD-C1D-ND	-3.04	121.66	124.45
14	A3	812	CLA	C1D-ND-C4D	-3.04	104.18	106.33
14	I6	101	CLA	CMD-C2D-C1D	3.04	130.07	124.71
14	B4	820	CLA	CMB-C2B-C1B	-3.04	123.79	128.46
14	B2	829	CLA	C2C-C1C-NC	3.04	112.82	109.97
14	A2	1638	CLA	C3C-C4C-NC	3.04	113.98	110.57
14	B4	801	CLA	C3C-C4C-NC	3.04	113.98	110.57
14	B4	831	CLA	C4A-NA-C1A	3.04	108.07	106.71
14	A2	1619	CLA	C2D-C1D-ND	3.04	112.34	110.10
14	A3	818	CLA	C2D-C1D-ND	3.04	112.34	110.10
16	F4	201	BCR	C8-C9-C10	-3.04	114.28	118.94
14	X1	1701	CLA	C2C-C1C-NC	3.04	112.82	109.97
14	A5	828	CLA	O2D-CGD-CBD	3.04	116.67	111.27
14	B1	816	CLA	C3C-C4C-NC	3.04	113.98	110.57
14	A6	1608	CLA	CHD-C4C-C3C	-3.04	120.38	124.84
14	A2	1605	CLA	O2A-CGA-CBA	3.04	121.44	111.91
16	J1	104	BCR	C40-C30-C25	3.04	115.22	110.30
14	K3	1401	CLA	C2D-C1D-ND	3.04	112.34	110.10
14	B1	841	CLA	C3D-C4D-ND	3.04	115.15	110.24
14	B5	1811	CLA	C1D-ND-C4D	-3.03	104.18	106.33
14	A2	1632	CLA	C2C-C1C-NC	3.03	112.81	109.97
14	A3	821	CLA	C2C-C1C-NC	3.03	112.81	109.97
14	A5	826	CLA	C3C-C4C-NC	3.03	113.97	110.57
14	B5	1842	CLA	C2D-C1D-ND	3.03	112.34	110.10
14	B5	1809	CLA	O2A-CGA-CBA	3.03	121.43	111.91
14	J6	1102	CLA	C2C-C1C-NC	3.03	112.81	109.97
16	A1	845	BCR	C29-C30-C25	3.03	115.15	110.48
14	B3	1841	CLA	C2D-C1D-ND	3.03	112.34	110.10
14	A6	1602	CLA	CMD-C2D-C1D	3.03	130.06	124.71
14	A1	837	CLA	C3C-C4C-NC	3.03	113.97	110.57
14	B3	1836	CLA	C1D-ND-C4D	-3.03	104.18	106.33
14	B1	825	CLA	C4A-NA-C1A	3.03	108.07	106.71
14	B5	1817	CLA	C3C-C4C-NC	3.03	113.97	110.57
14	A3	818	CLA	C2C-C1C-NC	3.03	112.81	109.97
14	A5	834	CLA	C2D-C1D-ND	3.03	112.34	110.10
17	A1	849	LHG	O7-C7-C8	3.03	118.03	111.50
14	B6	817	CLA	O2D-CGD-CBD	3.03	116.65	111.27
16	B1	852	BCR	C29-C30-C25	3.03	115.15	110.48
16	M2	1202	BCR	C2-C1-C6	3.03	115.14	110.48
14	B4	809	CLA	C1D-ND-C4D	-3.03	104.18	106.33
14	A1	834	CLA	CMD-C2D-C1D	3.03	130.05	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	B3	1846	BCR	C30-C25-C26	-3.03	118.35	122.61
16	B2	850	BCR	C29-C30-C25	3.03	115.14	110.48
14	A3	803	CLA	O2A-CGA-CBA	3.03	121.41	111.91
14	A1	801	CLA	O2D-CGD-O1D	-3.03	117.92	123.84
16	M4	101	BCR	C29-C30-C25	3.03	115.14	110.48
14	A6	1626	CLA	C3C-C4C-NC	3.03	113.97	110.57
14	A5	828	CLA	C3C-C4C-NC	3.03	113.97	110.57
14	A5	831	CLA	C2D-C1D-ND	3.03	112.33	110.10
14	F2	204	CLA	CMD-C2D-C1D	3.03	130.05	124.71
14	A3	837	CLA	C3B-C4B-NB	3.03	113.12	109.21
14	A6	1618	CLA	C2C-C1C-NC	3.03	112.81	109.97
14	A4	818	CLA	C1D-ND-C4D	-3.03	104.19	106.33
14	B2	810	CLA	C4A-NA-C1A	3.03	108.07	106.71
14	A2	1611	CLA	C2D-C1D-ND	3.02	112.33	110.10
14	L6	206	CLA	C2D-C1D-ND	3.02	112.33	110.10
14	A3	807	CLA	C3C-C4C-NC	3.02	113.96	110.57
14	A6	1636	CLA	C3B-C4B-NB	3.02	113.12	109.21
14	B5	1832	CLA	C2C-C1C-NC	3.02	112.81	109.97
14	A1	819	CLA	C1D-ND-C4D	-3.02	104.19	106.33
14	B3	1804	CLA	O2D-CGD-O1D	-3.02	117.93	123.84
14	X4	102	CLA	C2C-C1C-NC	3.02	112.80	109.97
14	B4	811	CLA	CMD-C2D-C1D	3.02	130.04	124.71
14	A1	817	CLA	C2D-C1D-ND	3.02	112.33	110.10
14	A6	1618	CLA	CMD-C2D-C1D	3.02	130.04	124.71
14	B3	1813	CLA	C2D-C1D-ND	3.02	112.33	110.10
14	F3	202	CLA	CMD-C2D-C1D	3.02	130.04	124.71
14	B2	827	CLA	O2D-CGD-CBD	3.02	116.64	111.27
14	B6	827	CLA	CHD-C4C-C3C	-3.02	120.40	124.84
14	A4	817	CLA	C2D-C1D-ND	3.02	112.33	110.10
16	B5	1849	BCR	C40-C30-C25	3.02	115.20	110.30
16	I2	101	BCR	C33-C5-C6	3.02	127.92	124.53
16	A1	847	BCR	C30-C25-C24	3.02	124.32	115.78
14	B1	836	CLA	CMD-C2D-C1D	3.02	130.03	124.71
14	B4	852	CLA	CMD-C2D-C1D	3.02	130.03	124.71
14	B5	1811	CLA	CMD-C2D-C1D	3.02	130.03	124.71
16	I1	103	BCR	C30-C25-C24	3.02	124.31	115.78
16	A6	1645	BCR	C33-C5-C6	3.02	127.92	124.53
14	A2	1613	CLA	O2D-CGD-CBD	3.02	116.63	111.27
14	A2	1632	CLA	CMD-C2D-C1D	3.02	130.03	124.71
16	B1	844	BCR	C30-C25-C26	-3.02	118.37	122.61
14	A4	820	CLA	C2C-C1C-NC	3.02	112.80	109.97
14	A6	1621	CLA	C2C-C1C-NC	3.02	112.80	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	I3	101	BCR	C33-C5-C6	3.02	127.91	124.53
14	A5	812	CLA	O2A-CGA-CBA	3.01	121.37	111.91
14	B5	1840	CLA	O2A-CGA-CBA	3.01	121.37	111.91
14	B6	820	CLA	CMD-C2D-C1D	3.01	130.03	124.71
16	A4	844	BCR	C33-C5-C6	3.01	127.91	124.53
14	L1	206	CLA	C2C-C1C-NC	3.01	112.80	109.97
14	A4	825	CLA	C3C-C4C-NC	3.01	113.95	110.57
14	B4	852	CLA	C2D-C1D-ND	3.01	112.32	110.10
14	B2	817	CLA	CMB-C2B-C1B	-3.01	123.83	128.46
14	B4	812	CLA	O2A-CGA-CBA	3.01	121.36	111.91
16	A4	848	BCR	C29-C30-C25	3.01	115.12	110.48
14	A3	828	CLA	CHD-C1D-ND	-3.01	121.69	124.45
16	B1	844	BCR	C1-C6-C5	-3.01	118.37	122.61
14	A4	835	CLA	C3C-C4C-NC	3.01	113.95	110.57
14	A5	808	CLA	O2A-CGA-CBA	3.01	121.35	111.91
14	B6	818	CLA	CMB-C2B-C1B	-3.01	123.84	128.46
14	F2	202	CLA	CMD-C2D-C1D	3.01	130.02	124.71
14	A5	842	CLA	C4A-NA-C1A	3.01	108.06	106.71
14	A5	843	CLA	C3C-C4C-NC	3.01	113.95	110.57
14	B1	834	CLA	C2C-C1C-NC	3.01	112.79	109.97
14	A2	1610	CLA	CMD-C2D-C1D	3.01	130.02	124.71
14	B2	808	CLA	CMD-C2D-C1D	3.01	130.02	124.71
14	B6	811	CLA	C2D-C1D-ND	3.01	112.32	110.10
14	B4	815	CLA	O2A-CGA-CBA	3.01	121.35	111.91
14	B6	837	CLA	CMD-C2D-C1D	3.01	130.01	124.71
14	B5	1813	CLA	CHD-C1D-ND	-3.01	121.69	124.45
14	B1	802	CLA	O2A-CGA-O1A	-3.01	116.00	123.59
14	A4	807	CLA	O2A-CGA-CBA	3.01	121.34	111.91
14	L1	207	CLA	C3C-C4C-NC	3.01	113.94	110.57
14	B1	853	CLA	CHD-C4C-C3C	-3.01	120.42	124.84
16	L5	207	BCR	C30-C25-C24	3.01	124.28	115.78
14	B4	817	CLA	CMD-C2D-C1D	3.00	130.01	124.71
14	B4	815	CLA	C3C-C4C-NC	3.00	113.94	110.57
14	A4	827	CLA	CHD-C1D-ND	-3.00	121.69	124.45
14	A6	1617	CLA	C3C-C4C-NC	3.00	113.94	110.57
14	A1	829	CLA	C4A-NA-C1A	3.00	108.06	106.71
14	A3	830	CLA	CMD-C2D-C1D	3.00	130.00	124.71
14	A5	826	CLA	CMB-C2B-C3B	3.00	130.30	124.68
14	A3	840	CLA	O2A-CGA-CBA	3.00	121.33	111.91
14	B1	802	CLA	CED-O2D-CGD	3.00	122.73	115.94
14	A6	1640	CLA	C2D-C1D-ND	3.00	112.32	110.10
14	B3	1804	CLA	O2A-CGA-CBA	3.00	121.33	111.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A3	837	CLA	C3C-C4C-NC	3.00	113.94	110.57
14	B1	833	CLA	C2C-C1C-NC	3.00	112.78	109.97
14	B4	837	CLA	C4A-NA-C1A	3.00	108.05	106.71
16	I4	102	BCR	C33-C5-C6	3.00	127.89	124.53
14	A5	829	CLA	C3C-C4C-NC	3.00	113.93	110.57
16	B4	848	BCR	C29-C30-C25	3.00	115.09	110.48
16	L2	201	BCR	C38-C26-C25	3.00	127.89	124.53
14	F4	202	CLA	CMD-C2D-C1D	3.00	129.99	124.71
14	A1	817	CLA	C2C-C1C-NC	3.00	112.78	109.97
14	B4	840	CLA	C2C-C1C-NC	3.00	112.78	109.97
14	A6	1608	CLA	C3C-C4C-NC	3.00	113.93	110.57
14	B5	1819	CLA	C2D-C1D-ND	2.99	112.31	110.10
14	B2	801	CLA	CMD-C2D-C1D	2.99	129.99	124.71
14	A6	1628	CLA	CHD-C1D-ND	-2.99	121.70	124.45
16	M6	1202	BCR	C29-C30-C25	2.99	115.09	110.48
14	B1	827	CLA	C3C-C4C-NC	2.99	113.93	110.57
14	A6	1630	CLA	CMD-C2D-C1D	2.99	129.99	124.71
14	B2	816	CLA	C2C-C1C-NC	2.99	112.78	109.97
14	B3	1803	CLA	C1D-ND-C4D	-2.99	104.21	106.33
14	A1	832	CLA	CMD-C2D-C1D	2.99	129.99	124.71
16	L2	208	BCR	C30-C25-C24	2.99	124.25	115.78
14	B2	833	CLA	CHD-C1D-ND	-2.99	121.70	124.45
14	B6	826	CLA	C3C-C4C-NC	2.99	113.93	110.57
14	B6	838	CLA	O2A-CGA-CBA	2.99	121.30	111.91
14	A1	829	CLA	C2C-C1C-NC	2.99	112.78	109.97
14	A1	807	CLA	O2A-CGA-CBA	2.99	121.30	111.91
14	B2	829	CLA	CHD-C1D-ND	-2.99	121.70	124.45
14	B4	840	CLA	CED-O2D-CGD	2.99	122.70	115.94
14	A2	1602	CLA	O2A-CGA-CBA	2.99	121.30	111.91
14	K5	102	CLA	C2D-C1D-ND	2.99	112.31	110.10
14	B1	828	CLA	CHD-C4C-C3C	-2.99	120.44	124.84
14	J2	101	CLA	C2C-C1C-NC	2.99	112.78	109.97
14	A5	801	CLA	C4D-CHA-C1A	-2.99	117.61	121.25
14	B3	1826	CLA	C4A-NA-C1A	2.99	108.05	106.71
14	B3	1808	CLA	O2D-CGD-CBD	2.99	116.58	111.27
14	A4	811	CLA	O2A-CGA-CBA	2.99	121.30	111.91
14	B3	1836	CLA	C2C-C1C-NC	2.99	112.77	109.97
14	A5	801	CLA	CMD-C2D-C1D	2.99	129.98	124.71
14	B5	1829	CLA	C2D-C1D-ND	2.99	112.31	110.10
16	M3	1602	BCR	C29-C30-C25	2.99	115.08	110.48
14	B2	829	CLA	C1D-ND-C4D	-2.99	104.21	106.33
14	A6	1612	CLA	C1D-ND-C4D	-2.99	104.21	106.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A4	813	CLA	C2C-C1C-NC	2.99	112.77	109.97
14	A2	1631	CLA	C2D-C1D-ND	2.99	112.31	110.10
16	A4	848	BCR	C37-C22-C23	2.99	122.79	118.08
14	A4	838	CLA	O2A-CGA-CBA	2.99	121.29	111.91
14	A2	1630	CLA	C3C-C4C-NC	2.99	113.92	110.57
14	A5	817	CLA	C3C-C4C-NC	2.99	113.92	110.57
14	B6	809	CLA	C1D-ND-C4D	-2.99	104.21	106.33
14	B3	1812	CLA	O2A-CGA-CBA	2.99	121.28	111.91
14	B3	1819	CLA	C2D-C1D-ND	2.99	112.31	110.10
14	A6	1629	CLA	C3C-C4C-NC	2.99	113.92	110.57
14	B6	810	CLA	O2A-CGA-CBA	2.99	121.28	111.91
14	L4	205	CLA	C3C-C4C-NC	2.99	113.92	110.57
14	A5	821	CLA	CMB-C2B-C1B	-2.99	123.87	128.46
14	B3	1807	CLA	CMD-C2D-C1D	2.99	129.97	124.71
14	B3	1822	CLA	CMD-C2D-C1D	2.99	129.97	124.71
14	B6	804	CLA	CMD-C2D-C1D	2.99	129.97	124.71
14	A3	810	CLA	C4A-NA-C1A	2.99	108.05	106.71
14	A6	1612	CLA	O2A-CGA-CBA	2.98	121.28	111.91
14	J6	1101	CLA	O2A-CGA-CBA	2.98	121.28	111.91
14	A5	808	CLA	CHD-C4C-C3C	-2.98	120.45	124.84
14	B5	1828	CLA	C2C-C1C-NC	2.98	112.77	109.97
16	B2	843	BCR	C30-C25-C26	-2.98	118.41	122.61
16	B5	1850	BCR	C8-C9-C10	-2.98	114.36	118.94
14	B6	821	CLA	CMD-C2D-C1D	2.98	129.97	124.71
14	A3	825	CLA	C2C-C1C-NC	2.98	112.77	109.97
14	B3	1811	CLA	C1D-ND-C4D	-2.98	104.22	106.33
14	B1	813	CLA	CMD-C2D-C1D	2.98	129.97	124.71
14	A5	808	CLA	C3C-C4C-NC	2.98	113.92	110.57
16	A4	849	BCR	C30-C25-C24	2.98	124.22	115.78
14	B1	817	CLA	O2A-CGA-CBA	2.98	121.27	111.91
14	A1	807	CLA	CHD-C4C-C3C	-2.98	120.46	124.84
14	X6	1701	CLA	C2C-C1C-NC	2.98	112.77	109.97
14	A5	825	CLA	C2C-C1C-NC	2.98	112.77	109.97
14	B5	1822	CLA	C2C-C1C-NC	2.98	112.77	109.97
14	B4	829	CLA	CHD-C4C-C3C	-2.98	120.46	124.84
17	A5	851	LHG	O8-C23-C24	2.98	121.26	111.91
14	A3	801	CLA	O2A-CGA-CBA	2.98	121.26	111.91
14	M6	1201	CLA	O2A-CGA-CBA	2.98	121.26	111.91
14	B5	1823	CLA	CMD-C2D-C1D	2.98	129.96	124.71
14	B1	814	CLA	O2A-CGA-CBA	2.98	121.26	111.91
14	A6	1651	CLA	O2A-CGA-CBA	2.98	121.26	111.91
16	J5	105	BCR	C29-C30-C25	2.98	115.07	110.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B6	807	CLA	O2D-CGD-CBD	2.98	116.56	111.27
14	A5	842	CLA	C3C-C4C-NC	2.98	113.91	110.57
14	A1	818	CLA	CMB-C2B-C1B	-2.98	123.89	128.46
14	A1	830	CLA	C2D-C1D-ND	2.98	112.30	110.10
14	B2	830	CLA	C2C-C1C-NC	2.98	112.76	109.97
14	A4	817	CLA	C2C-C1C-NC	2.98	112.76	109.97
14	J5	101	CLA	C2C-C1C-NC	2.98	112.76	109.97
16	I1	102	BCR	C36-C18-C19	2.98	122.77	118.08
16	A6	1648	BCR	C30-C25-C24	2.98	124.20	115.78
14	B6	815	CLA	C3C-C4C-NC	2.98	113.91	110.57
16	A5	850	BCR	C30-C25-C24	2.98	124.20	115.78
14	B4	803	CLA	C4A-NA-C1A	2.98	108.04	106.71
14	B6	804	CLA	C1D-ND-C4D	-2.98	104.22	106.33
14	A6	1651	CLA	O2D-CGD-O1D	-2.98	118.02	123.84
14	A2	1605	CLA	C2C-C1C-NC	2.97	112.76	109.97
14	B4	821	CLA	C3C-C4C-NC	2.97	113.91	110.57
14	A1	802	CLA	C2C-C1C-NC	2.97	112.76	109.97
14	A1	838	CLA	C2C-C1C-NC	2.97	112.76	109.97
14	X2	1701	CLA	C2C-C1C-NC	2.97	112.76	109.97
14	B6	834	CLA	C2C-C1C-NC	2.97	112.76	109.97
14	L4	201	CLA	C4A-NA-C1A	2.97	108.04	106.71
14	A6	1641	CLA	CMD-C2D-C1D	2.97	129.95	124.71
14	B4	835	CLA	C2C-C1C-NC	2.97	112.76	109.97
14	A2	1623	CLA	CMB-C2B-C1B	-2.97	123.90	128.46
14	B1	839	CLA	O2A-CGA-CBA	2.97	121.23	111.91
16	B4	846	BCR	C30-C25-C26	-2.97	118.43	122.61
14	B4	803	CLA	CED-O2D-CGD	2.97	122.66	115.94
16	I3	102	BCR	C33-C5-C6	2.97	127.86	124.53
14	B4	835	CLA	CHD-C1D-ND	-2.97	121.72	124.45
14	B5	1809	CLA	CMD-C2D-C1D	2.97	129.95	124.71
14	B2	837	CLA	O2A-CGA-CBA	2.97	121.23	111.91
14	B5	1839	CLA	C2C-C1C-NC	2.97	112.75	109.97
14	A3	808	CLA	CHD-C4C-C3C	-2.97	120.47	124.84
14	A1	804	CLA	CHD-C1D-ND	-2.97	121.72	124.45
14	A5	801	CLA	O2D-CGD-O1D	-2.97	118.03	123.84
16	L3	206	BCR	C30-C25-C24	2.97	124.17	115.78
14	X4	102	CLA	C1D-ND-C4D	-2.97	104.23	106.33
14	A1	834	CLA	C3C-C4C-NC	2.97	113.90	110.57
14	K6	1401	CLA	C2D-C1D-ND	2.97	112.29	110.10
14	B4	818	CLA	O2A-CGA-CBA	2.97	121.22	111.91
14	B4	811	CLA	C1D-ND-C4D	-2.97	104.23	106.33
14	A5	837	CLA	CHD-C1D-ND	-2.97	121.73	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	L2	205	CLA	C3C-C4C-NC	2.96	113.90	110.57
14	A3	816	CLA	C3C-C4C-NC	2.96	113.90	110.57
14	M2	1201	CLA	O2A-CGA-CBA	2.96	121.21	111.91
14	B4	836	CLA	C2C-C1C-NC	2.96	112.75	109.97
14	B4	840	CLA	O2A-CGA-CBA	2.96	121.21	111.91
14	B4	834	CLA	CHD-C1D-ND	-2.96	121.73	124.45
14	B3	1815	CLA	CAC-C3C-C4C	2.96	128.66	124.81
14	B5	1835	CLA	CHD-C1D-ND	-2.96	121.73	124.45
14	B3	1828	CLA	O2A-CGA-CBA	2.96	121.20	111.91
14	A2	1636	CLA	C2D-C1D-ND	2.96	112.29	110.10
16	L5	207	BCR	C2-C1-C6	2.96	115.04	110.48
14	B6	816	CLA	O2A-CGA-CBA	2.96	121.20	111.91
14	A5	841	CLA	CHD-C4C-C3C	-2.96	120.49	124.84
14	B4	810	CLA	CMD-C2D-C1D	2.96	129.93	124.71
14	B3	1811	CLA	C3C-C4C-NC	2.96	113.89	110.57
14	B2	812	CLA	O2A-CGA-CBA	2.96	121.19	111.91
14	A6	1606	CLA	CMB-C2B-C3B	2.96	130.21	124.68
14	A3	835	CLA	C2D-C1D-ND	2.96	112.28	110.10
14	B5	1828	CLA	O2A-CGA-CBA	2.96	121.19	111.91
14	A3	812	CLA	O2A-CGA-CBA	2.96	121.19	111.91
14	B5	1818	CLA	O2A-CGA-CBA	2.96	121.19	111.91
14	A6	1602	CLA	C3C-C4C-NC	2.96	113.89	110.57
14	A1	826	CLA	C1D-ND-C4D	-2.96	104.23	106.33
14	B2	839	CLA	CED-O2D-CGD	2.96	122.62	115.94
14	B1	812	CLA	CHD-C1D-ND	-2.96	121.74	124.45
14	B1	809	CLA	O2A-CGA-CBA	2.96	121.18	111.91
14	B6	824	CLA	CMD-C2D-C1D	2.96	129.92	124.71
14	B6	840	CLA	CED-O2D-CGD	2.95	122.62	115.94
14	B2	833	CLA	C2C-C1C-NC	2.95	112.74	109.97
14	A1	820	CLA	CMB-C2B-C1B	-2.95	123.92	128.46
14	B5	1811	CLA	CBC-CAC-C3C	-2.95	104.29	112.43
14	A5	806	CLA	CMB-C2B-C3B	2.95	130.20	124.68
16	A5	845	BCR	C33-C5-C6	2.95	127.84	124.53
14	B4	828	CLA	CMD-C2D-C1D	2.95	129.92	124.71
14	B3	1811	CLA	CBC-CAC-C3C	-2.95	104.29	112.43
14	B3	1829	CLA	CHD-C4C-C3C	-2.95	120.50	124.84
14	B2	819	CLA	CMD-C2D-C1D	2.95	129.92	124.71
14	A2	1630	CLA	CHD-C1D-ND	-2.95	121.74	124.45
14	A2	1615	CLA	O2A-CGA-CBA	2.95	121.17	111.91
14	A2	1602	CLA	O2D-CGD-O1D	-2.95	118.07	123.84
14	B2	808	CLA	CBC-CAC-C3C	-2.95	104.29	112.43
14	B3	1829	CLA	C2D-C1D-ND	2.95	112.28	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B3	1818	CLA	O2A-CGA-CBA	2.95	121.17	111.91
14	B6	839	CLA	O2A-CGA-CBA	2.95	121.17	111.91
14	B2	804	CLA	O2A-CGA-CBA	2.95	121.17	111.91
16	B6	844	BCR	C30-C25-C26	-2.95	118.46	122.61
14	B6	827	CLA	C2D-C1D-ND	2.95	112.28	110.10
14	A4	836	CLA	O2D-CGD-CBD	2.95	116.51	111.27
14	A6	1626	CLA	CMB-C2B-C3B	2.95	130.20	124.68
14	B2	840	CLA	C3C-C4C-NC	2.95	113.88	110.57
14	A3	813	CLA	O2A-CGA-CBA	2.95	121.16	111.91
14	A1	816	CLA	C4A-NA-C1A	2.95	108.03	106.71
14	A5	839	CLA	C2C-C1C-NC	2.95	112.73	109.97
14	A4	820	CLA	CMB-C2B-C1B	-2.95	123.93	128.46
14	B2	806	CLA	O2A-CGA-CBA	2.95	121.16	111.91
14	B3	1840	CLA	O2A-CGA-CBA	2.95	121.16	111.91
14	B4	804	CLA	O2A-CGA-CBA	2.95	121.16	111.91
16	A3	851	BCR	C37-C22-C23	2.95	122.72	118.08
14	A5	832	CLA	C1D-ND-C4D	-2.95	104.24	106.33
14	I1	101	CLA	CED-O2D-CGD	2.95	122.60	115.94
17	A1	848	LHG	O7-C7-C8	2.95	117.85	111.50
14	B6	803	CLA	O2A-CGA-CBA	2.95	121.16	111.91
14	A1	827	CLA	CHD-C1D-ND	-2.95	121.75	124.45
14	B3	1827	CLA	C1D-ND-C4D	-2.95	104.24	106.33
14	M3	1601	CLA	C1D-ND-C4D	-2.95	104.24	106.33
14	A6	1636	CLA	C1D-ND-C4D	-2.95	104.24	106.33
14	F5	1301	CLA	C1D-ND-C4D	-2.95	104.24	106.33
14	L5	205	CLA	C2C-C1C-NC	2.95	112.73	109.97
14	A2	1610	CLA	C3C-C4C-NC	2.95	113.88	110.57
14	B5	1812	CLA	C3D-C2D-C1D	-2.95	101.81	105.83
14	B4	811	CLA	O2A-CGA-CBA	2.95	121.15	111.91
14	B5	1805	CLA	CHD-C1D-ND	-2.95	121.75	124.45
14	B5	1838	CLA	C1D-ND-C4D	-2.94	104.24	106.33
14	B5	1818	CLA	C2D-C1D-ND	2.94	112.27	110.10
16	L6	209	BCR	C30-C25-C24	2.94	124.11	115.78
14	B3	1815	CLA	O2A-CGA-CBA	2.94	121.15	111.91
14	A6	1628	CLA	O2A-CGA-CBA	2.94	121.15	111.91
14	A3	806	CLA	CMD-C2D-C1D	2.94	129.90	124.71
16	L1	203	BCR	C37-C22-C23	2.94	122.72	118.08
14	B1	831	CLA	C2C-C1C-NC	2.94	112.73	109.97
16	M5	101	BCR	C29-C30-C25	2.94	115.01	110.48
14	B1	810	CLA	C3C-C4C-NC	2.94	113.87	110.57
14	B5	1813	CLA	C4A-NA-C1A	2.94	108.03	106.71
14	X3	102	CLA	C2C-C1C-NC	2.94	112.73	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B1	854	CLA	O2A-CGA-CBA	2.94	121.13	111.91
14	B2	832	CLA	CHD-C1D-ND	-2.94	121.75	124.45
14	B1	825	CLA	O2A-CGA-CBA	2.94	121.13	111.91
14	A1	838	CLA	CHD-C4C-C3C	-2.94	120.52	124.84
14	L6	203	CLA	C3C-C4C-NC	2.94	113.87	110.57
14	B4	807	CLA	CMD-C2D-C1D	2.94	129.89	124.71
14	A2	1621	CLA	C1D-ND-C4D	-2.94	104.25	106.33
14	M6	1201	CLA	C1D-ND-C4D	-2.94	104.25	106.33
14	A3	830	CLA	C2C-C1C-NC	2.94	112.72	109.97
14	B1	828	CLA	CHD-C1D-ND	-2.94	121.75	124.45
14	B4	804	CLA	CMD-C2D-C1D	2.94	129.89	124.71
14	B5	1843	CLA	C3D-C4D-ND	2.94	114.99	110.24
16	I5	101	BCR	C36-C18-C19	2.94	122.70	118.08
14	B3	1817	CLA	CHD-C4C-C3C	-2.94	120.53	124.84
14	B5	1837	CLA	C1D-ND-C4D	-2.94	104.25	106.33
14	B1	806	CLA	CMD-C2D-C1D	2.93	129.88	124.71
14	X1	1701	CLA	CMD-C2D-C1D	2.93	129.88	124.71
14	A6	1605	CLA	CHD-C1D-ND	-2.93	121.76	124.45
14	B6	806	CLA	O2A-CGA-CBA	2.93	121.11	111.91
14	A2	1631	CLA	C3C-C4C-NC	2.93	113.86	110.57
14	B4	811	CLA	C3C-C4C-NC	2.93	113.86	110.57
14	A3	844	CLA	CMD-C2D-C1D	2.93	129.88	124.71
14	B1	827	CLA	CMB-C2B-C3B	2.93	130.17	124.68
14	B3	1821	CLA	C3C-C4C-NC	2.93	113.86	110.57
14	A5	811	CLA	O2D-CGD-CBD	2.93	116.48	111.27
14	B3	1803	CLA	CMD-C2D-C1D	2.93	129.88	124.71
14	A5	803	CLA	C2C-C1C-NC	2.93	112.72	109.97
14	B1	817	CLA	C2D-C1D-ND	2.93	112.26	110.10
14	A6	1609	CLA	C2D-C1D-ND	2.93	112.26	110.10
14	A3	828	CLA	O2A-CGA-CBA	2.93	121.10	111.91
14	M6	1201	CLA	CHD-C1D-ND	-2.93	121.76	124.45
14	A4	801	CLA	O2D-CGD-O1D	-2.93	118.11	123.84
14	A1	825	CLA	CHD-C4C-C3C	-2.93	120.53	124.84
14	A5	843	CLA	CHD-C4C-C3C	-2.93	120.53	124.84
14	A6	1632	CLA	C4A-NA-C1A	2.93	108.02	106.71
14	B2	808	CLA	C3C-C4C-NC	2.93	113.86	110.57
16	A6	1647	BCR	C37-C22-C23	2.93	122.69	118.08
14	A5	818	CLA	CMD-C2D-C1D	2.93	129.88	124.71
16	I4	101	BCR	C33-C5-C6	2.93	127.82	124.53
17	A1	848	LHG	O8-C23-C24	2.93	121.10	111.91
16	F2	201	BCR	C8-C9-C10	-2.93	114.45	118.94
14	A6	1639	CLA	C2D-C1D-ND	2.93	112.26	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	A6	1644	BCR	C40-C30-C25	2.93	115.05	110.30
14	A2	1608	CLA	CMD-C2D-C1D	2.93	129.87	124.71
14	A2	1604	CLA	O2A-CGA-O1A	-2.93	116.20	123.59
14	B4	809	CLA	O2A-CGA-CBA	2.93	121.09	111.91
14	A6	1604	CLA	O2A-CGA-CBA	2.93	121.09	111.91
14	A1	839	CLA	C3C-C4C-NC	2.93	113.85	110.57
14	A4	840	CLA	CHD-C4C-C3C	-2.93	120.54	124.84
14	A1	812	CLA	O2A-CGA-CBA	2.93	121.09	111.91
16	A3	852	BCR	C30-C25-C24	2.93	124.06	115.78
14	B6	835	CLA	C3C-C4C-NC	2.93	113.85	110.57
14	A5	839	CLA	O2D-CGD-CBD	2.93	116.47	111.27
14	B2	806	CLA	C1D-ND-C4D	-2.93	104.26	106.33
14	B6	839	CLA	C3C-C4C-NC	2.92	113.85	110.57
14	B5	1842	CLA	C3C-C4C-NC	2.92	113.85	110.57
14	F6	202	CLA	CMD-C2D-C1D	2.92	129.87	124.71
16	B6	847	BCR	C40-C30-C25	2.92	115.04	110.30
14	A4	831	CLA	C3C-C4C-NC	2.92	113.85	110.57
14	B2	817	CLA	CED-O2D-CGD	2.92	122.55	115.94
16	A1	844	BCR	C33-C5-C6	2.92	127.81	124.53
14	B1	804	CLA	C1D-ND-C4D	-2.92	104.26	106.33
14	B4	832	CLA	CHD-C1D-ND	-2.92	121.77	124.45
16	L4	208	BCR	C29-C30-C25	2.92	114.98	110.48
14	A3	817	CLA	C4A-NA-C1A	2.92	108.02	106.71
14	A4	824	CLA	O2A-CGA-CBA	2.92	121.07	111.91
14	A3	825	CLA	O2A-CGA-CBA	2.92	121.07	111.91
14	A1	805	CLA	CMB-C2B-C3B	2.92	130.14	124.68
14	A1	801	CLA	O2A-CGA-CBA	2.92	121.07	111.91
14	B1	807	CLA	C1D-ND-C4D	-2.92	104.26	106.33
14	B6	824	CLA	C2C-C1C-NC	2.92	112.71	109.97
14	B6	802	CLA	CMD-C2D-C1D	2.92	129.86	124.71
16	A6	1646	BCR	C29-C30-C25	2.92	114.97	110.48
14	B2	813	CLA	C4A-NA-C1A	2.92	108.02	106.71
14	B1	803	CLA	C2C-C1C-NC	2.92	112.70	109.97
14	B3	1830	CLA	O2D-CGD-CBD	2.92	116.45	111.27
16	A2	1652	BCR	C30-C25-C24	2.92	124.03	115.78
14	B3	1807	CLA	O2A-CGA-CBA	2.92	121.06	111.91
14	F2	204	CLA	C1D-ND-C4D	-2.92	104.26	106.33
14	B6	819	CLA	C3C-C4C-NC	2.92	113.84	110.57
14	A5	817	CLA	C4A-NA-C1A	2.92	108.02	106.71
14	B3	1809	CLA	O2A-CGA-CBA	2.92	121.06	111.91
16	L3	206	BCR	C2-C1-C6	2.92	114.97	110.48
14	B3	1839	CLA	C2C-C1C-NC	2.92	112.70	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A4	841	CLA	CHD-C1D-ND	-2.92	121.78	124.45
14	B1	827	CLA	O2A-CGA-CBA	2.91	121.06	111.91
14	A6	1640	CLA	CHD-C4C-C3C	-2.91	120.56	124.84
14	A1	821	CLA	CHD-C1D-ND	-2.91	121.78	124.45
14	B5	1842	CLA	CED-O2D-CGD	2.91	122.53	115.94
14	B4	837	CLA	C3C-C4C-NC	2.91	113.84	110.57
14	L5	203	CLA	C3C-C4C-NC	2.91	113.84	110.57
14	B2	825	CLA	O2A-CGA-CBA	2.91	121.05	111.91
14	A5	813	CLA	O2A-CGA-CBA	2.91	121.05	111.91
14	A4	834	CLA	C2D-C1D-ND	2.91	112.25	110.10
14	A1	824	CLA	C2C-C1C-NC	2.91	112.70	109.97
16	B5	1845	BCR	C29-C30-C25	2.91	114.96	110.48
14	B2	831	CLA	CHD-C1D-ND	-2.91	121.78	124.45
14	B5	1812	CLA	O2A-CGA-CBA	2.91	121.04	111.91
14	B1	807	CLA	O2A-CGA-CBA	2.91	121.04	111.91
14	B2	807	CLA	O1D-CGD-CBD	-2.91	118.53	124.48
14	A1	825	CLA	CMB-C2B-C3B	2.91	130.12	124.68
14	A6	1607	CLA	C3C-C4C-NC	2.91	113.83	110.57
14	A5	801	CLA	O2A-CGA-CBA	2.91	121.03	111.91
14	B1	854	CLA	C3D-C2D-C1D	-2.91	101.86	105.83
14	B6	830	CLA	CHD-C1D-ND	-2.91	121.78	124.45
14	B3	1811	CLA	CMD-C2D-C1D	2.91	129.84	124.71
16	L4	206	BCR	C2-C1-C6	2.91	114.96	110.48
14	A2	1604	CLA	CED-O2D-CGD	2.91	122.51	115.94
14	A3	845	CLA	C3C-C4C-NC	2.91	113.83	110.57
16	A5	849	BCR	C37-C22-C23	2.91	122.66	118.08
14	B1	826	CLA	C1D-ND-C4D	-2.91	104.27	106.33
14	B1	811	CLA	CBC-CAC-C3C	-2.90	104.42	112.43
14	B6	810	CLA	C3D-C2D-C1D	-2.90	101.87	105.83
14	B3	1815	CLA	CMB-C2B-C3B	2.90	130.11	124.68
14	A2	1641	CLA	CED-O2D-CGD	2.90	122.50	115.94
14	A1	816	CLA	C3C-C4C-NC	2.90	113.83	110.57
14	B1	853	CLA	C3C-C4C-NC	2.90	113.83	110.57
14	A3	808	CLA	C3C-C4C-NC	2.90	113.83	110.57
14	A5	828	CLA	CHD-C1D-ND	-2.90	121.79	124.45
17	A6	1649	LHG	O8-C23-C24	2.90	121.02	111.91
16	I6	102	BCR	C33-C5-C6	2.90	127.79	124.53
14	A1	825	CLA	CHD-C1D-ND	-2.90	121.79	124.45
14	B2	810	CLA	CHD-C1D-ND	-2.90	121.79	124.45
14	B6	834	CLA	CHD-C1D-ND	-2.90	121.79	124.45
14	A2	1630	CLA	O2A-CGA-CBA	2.90	121.02	111.91
14	B4	807	CLA	O2A-CGA-CBA	2.90	121.02	111.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A3	829	CLA	C3C-C4C-NC	2.90	113.82	110.57
14	A6	1621	CLA	C4A-NA-C1A	2.90	108.01	106.71
14	B5	1841	CLA	O2A-CGA-CBA	2.90	121.01	111.91
14	A1	817	CLA	CMD-C2D-C1D	2.90	129.82	124.71
16	B6	844	BCR	C1-C6-C5	-2.90	118.53	122.61
14	B5	1820	CLA	CMB-C2B-C1B	-2.90	124.01	128.46
16	M4	101	BCR	C1-C6-C5	-2.90	118.53	122.61
16	L2	208	BCR	C2-C1-C6	2.90	114.94	110.48
14	A2	1628	CLA	C3C-C4C-NC	2.90	113.82	110.57
14	A6	1602	CLA	O2A-CGA-CBA	2.90	121.00	111.91
14	B3	1835	CLA	C2D-C1D-ND	2.90	112.24	110.10
14	A1	818	CLA	C1D-ND-C4D	-2.90	104.28	106.33
14	A4	801	CLA	O2A-CGA-CBA	2.90	121.00	111.91
16	A1	846	BCR	C37-C22-C23	2.90	122.64	118.08
14	F5	1301	CLA	CMD-C2D-C1D	2.90	129.82	124.71
14	B5	1835	CLA	C2C-C1C-NC	2.90	112.69	109.97
16	B5	1846	BCR	C1-C6-C5	-2.90	118.53	122.61
14	B3	1810	CLA	C3C-C4C-NC	2.90	113.82	110.57
14	A4	816	CLA	C3C-C4C-NC	2.90	113.82	110.57
14	B5	1837	CLA	C3C-C4C-NC	2.90	113.82	110.57
16	B1	846	BCR	C29-C30-C25	2.90	114.94	110.48
14	B3	1825	CLA	C2D-C1D-ND	2.90	112.24	110.10
14	B4	821	CLA	C1D-ND-C4D	-2.90	104.28	106.33
14	B1	805	CLA	CMD-C2D-C1D	2.89	129.81	124.71
14	B2	825	CLA	CMB-C2B-C3B	2.89	130.09	124.68
14	A5	816	CLA	C3C-C4C-NC	2.89	113.82	110.57
14	B5	1801	CLA	CHD-C4C-C3C	-2.89	120.59	124.84
16	A5	846	BCR	C32-C1-C6	2.89	114.99	110.30
14	B3	1833	CLA	C2C-C1C-NC	2.89	112.68	109.97
16	I1	102	BCR	C33-C5-C6	2.89	127.78	124.53
14	A5	828	CLA	O2A-CGA-CBA	2.89	120.98	111.91
14	A3	803	CLA	C2C-C1C-NC	2.89	112.68	109.97
16	M1	1202	BCR	C29-C30-C25	2.89	114.93	110.48
14	A2	1627	CLA	O2A-CGA-CBA	2.89	120.98	111.91
14	B4	805	CLA	C2C-C1C-NC	2.89	112.68	109.97
14	B4	811	CLA	CBC-CAC-C3C	-2.89	104.47	112.43
14	B5	1805	CLA	CMD-C2D-C1D	2.89	129.81	124.71
14	B1	841	CLA	C3C-C4C-NC	2.89	113.81	110.57
16	L6	209	BCR	C2-C1-C6	2.89	114.93	110.48
14	B3	1840	CLA	C1D-ND-C4D	-2.89	104.28	106.33
16	B3	1846	BCR	C1-C6-C5	-2.89	118.55	122.61
14	A6	1616	CLA	C3C-C4C-NC	2.89	113.81	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B5	1828	CLA	C3C-C4C-NC	2.89	113.81	110.57
14	A3	826	CLA	CMB-C2B-C3B	2.89	130.08	124.68
14	A4	825	CLA	CMB-C2B-C3B	2.89	130.08	124.68
14	A1	827	CLA	O2A-CGA-CBA	2.89	120.97	111.91
14	A5	841	CLA	C2C-C1C-NC	2.89	112.68	109.97
16	A3	848	BCR	C40-C30-C25	2.89	114.98	110.30
14	A3	816	CLA	O2A-CGA-CBA	2.89	120.97	111.91
16	A5	847	BCR	C33-C5-C6	2.89	127.77	124.53
14	A1	820	CLA	C2C-C1C-NC	2.89	112.68	109.97
14	A4	824	CLA	C2C-C1C-NC	2.89	112.68	109.97
14	B1	816	CLA	CHD-C4C-C3C	-2.89	120.60	124.84
14	B1	804	CLA	CMD-C2D-C1D	2.89	129.80	124.71
14	B4	833	CLA	C2C-C1C-NC	2.89	112.67	109.97
14	A5	821	CLA	CED-O2D-CGD	2.89	122.46	115.94
14	B4	852	CLA	CHD-C4C-C3C	-2.89	120.60	124.84
14	B2	839	CLA	C2D-C1D-ND	2.88	112.23	110.10
14	A4	839	CLA	C2D-C1D-ND	2.88	112.23	110.10
14	B3	1805	CLA	O2A-CGA-CBA	2.88	120.96	111.91
14	B1	840	CLA	C3C-C4C-NC	2.88	113.81	110.57
14	A4	812	CLA	O2A-CGA-CBA	2.88	120.96	111.91
14	B5	1807	CLA	O2A-CGA-CBA	2.88	120.96	111.91
16	L4	208	BCR	C38-C26-C25	2.88	127.77	124.53
16	J6	1105	BCR	C40-C30-C25	2.88	114.97	110.30
14	F1	1301	CLA	C3C-C4C-NC	2.88	113.80	110.57
14	L1	202	CLA	C3C-C4C-NC	2.88	113.80	110.57
16	I1	103	BCR	C2-C1-C6	2.88	114.92	110.48
16	M2	1202	BCR	C1-C6-C5	-2.88	118.55	122.61
14	B3	1841	CLA	O2A-CGA-CBA	2.88	120.95	111.91
14	A3	817	CLA	C3C-C4C-NC	2.88	113.80	110.57
16	B6	850	BCR	C1-C6-C5	-2.88	118.56	122.61
14	A5	826	CLA	CHD-C4C-C3C	-2.88	120.61	124.84
14	B5	1817	CLA	CHD-C4C-C3C	-2.88	120.61	124.84
14	B3	1831	CLA	C4A-NA-C1A	2.88	108.00	106.71
14	A2	1645	CLA	CMD-C2D-C1D	2.88	129.79	124.71
14	B6	837	CLA	C2C-C1C-NC	2.88	112.67	109.97
14	B5	1828	CLA	CMB-C2B-C3B	2.88	130.06	124.68
14	A3	821	CLA	CED-O2D-CGD	2.88	122.45	115.94
14	B3	1812	CLA	C3D-C2D-C1D	-2.88	101.90	105.83
14	A3	833	CLA	C4A-NA-C1A	2.88	108.00	106.71
14	B3	1809	CLA	CMD-C2D-C1D	2.88	129.78	124.71
14	B3	1803	CLA	C3C-C4C-NC	2.88	113.80	110.57
14	B6	809	CLA	C3C-C4C-NC	2.88	113.80	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	J5	104	BCR	C40-C30-C25	2.88	114.97	110.30
14	A4	827	CLA	O2A-CGA-CBA	2.88	120.94	111.91
14	A5	840	CLA	C2D-C1D-ND	2.88	112.22	110.10
14	A1	818	CLA	CMD-C2D-C1D	2.88	129.78	124.71
14	A5	818	CLA	C2C-C1C-NC	2.88	112.67	109.97
14	B4	826	CLA	O2A-CGA-CBA	2.88	120.94	111.91
14	L5	204	CLA	C3C-C4C-NC	2.88	113.80	110.57
14	B4	828	CLA	O2A-CGA-CBA	2.88	120.93	111.91
14	A2	1643	CLA	CHD-C4C-C3C	-2.88	120.61	124.84
14	B3	1801	CLA	CHD-C4C-C3C	-2.88	120.61	124.84
16	L6	201	BCR	C29-C30-C25	2.88	114.91	110.48
14	A1	834	CLA	C3B-C4B-NB	2.88	112.93	109.21
14	B4	815	CLA	CMB-C2B-C3B	2.87	130.06	124.68
14	A5	825	CLA	O2A-CGA-CBA	2.87	120.93	111.91
16	B2	845	BCR	C29-C30-C25	2.87	114.91	110.48
14	L5	206	CLA	C3C-C4C-NC	2.87	113.79	110.57
14	B6	818	CLA	CED-O2D-CGD	2.87	122.44	115.94
14	B1	809	CLA	CMD-C2D-C1D	2.87	129.78	124.71
14	A3	821	CLA	CMD-C2D-C1D	2.87	129.78	124.71
14	A5	830	CLA	C2C-C1C-NC	2.87	112.66	109.97
14	B1	823	CLA	CMD-C2D-C1D	2.87	129.78	124.71
14	A4	805	CLA	CMD-C2D-C1D	2.87	129.78	124.71
16	I4	101	BCR	C36-C18-C19	2.87	122.60	118.08
14	A6	1639	CLA	CMD-C2D-C1D	2.87	129.77	124.71
14	A3	845	CLA	CHD-C4C-C3C	-2.87	120.62	124.84
14	A5	831	CLA	O2A-CGA-CBA	2.87	120.92	111.91
14	F3	202	CLA	C1D-ND-C4D	-2.87	104.30	106.33
14	B3	1827	CLA	CMB-C2B-C3B	2.87	130.05	124.68
14	B1	818	CLA	C2D-C1D-ND	2.87	112.22	110.10
14	B4	824	CLA	C2D-C1D-ND	2.87	112.22	110.10
16	A4	849	BCR	C23-C22-C21	-2.87	114.54	118.94
14	L1	201	CLA	C1D-ND-C4D	-2.87	104.30	106.33
14	A1	824	CLA	O2A-CGA-CBA	2.87	120.91	111.91
14	L2	207	CLA	C3C-C4C-NC	2.87	113.79	110.57
14	B6	808	CLA	C3C-C4C-NC	2.87	113.79	110.57
14	A3	802	CLA	CMD-C2D-C1D	2.87	129.77	124.71
14	B3	1837	CLA	C3C-C4C-NC	2.87	113.79	110.57
14	B6	832	CLA	CHD-C1D-ND	-2.87	121.82	124.45
14	B5	1808	CLA	O2D-CGD-CBD	2.87	116.36	111.27
14	B6	813	CLA	CMB-C2B-C3B	2.87	130.04	124.68
14	B6	820	CLA	C2C-C1C-NC	2.87	112.66	109.97
14	K5	101	CLA	CMD-C2D-C1D	2.87	129.76	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A6	1618	CLA	C2D-C1D-ND	2.87	112.22	110.10
14	A3	811	CLA	C3C-C4C-NC	2.87	113.78	110.57
16	I5	101	BCR	C33-C5-C6	2.87	127.75	124.53
14	B2	802	CLA	CMD-C2D-C1D	2.87	129.76	124.71
14	B4	822	CLA	C2C-C1C-NC	2.87	112.66	109.97
14	B6	808	CLA	O1D-CGD-CBD	-2.86	118.62	124.48
14	A6	1623	CLA	C4A-NA-C1A	2.86	107.99	106.71
14	B3	1837	CLA	CMD-C2D-C1D	2.86	129.76	124.71
16	L2	203	BCR	C37-C22-C23	2.86	122.59	118.08
14	B3	1834	CLA	O2A-CGA-CBA	2.86	120.89	111.91
14	A6	1633	CLA	C2D-C1D-ND	2.86	112.21	110.10
16	J5	105	BCR	C1-C6-C5	-2.86	118.58	122.61
14	A2	1632	CLA	C3C-C4C-NC	2.86	113.78	110.57
14	A5	804	CLA	C3C-C4C-NC	2.86	113.78	110.57
14	B5	1811	CLA	O2A-CGA-CBA	2.86	120.89	111.91
14	B1	833	CLA	O2A-CGA-CBA	2.86	120.89	111.91
16	A3	848	BCR	C32-C1-C6	2.86	114.94	110.30
14	B3	1830	CLA	CHD-C1D-ND	-2.86	121.82	124.45
14	B3	1841	CLA	CHD-C1D-ND	-2.86	121.82	124.45
14	B5	1834	CLA	CHD-C1D-ND	-2.86	121.82	124.45
14	A1	839	CLA	C2D-C1D-ND	2.86	112.21	110.10
14	A3	812	CLA	CMD-C2D-C1D	2.86	129.76	124.71
14	A3	834	CLA	C3C-C4C-NC	2.86	113.78	110.57
16	J3	104	BCR	C40-C30-C25	2.86	114.94	110.30
14	A2	1632	CLA	C4A-NA-C1A	2.86	107.99	106.71
14	B3	1837	CLA	C4A-NA-C1A	2.86	107.99	106.71
14	A6	1602	CLA	O2D-CGD-O1D	-2.86	118.25	123.84
14	B5	1807	CLA	C1D-ND-C4D	-2.86	104.30	106.33
14	A3	806	CLA	CMB-C2B-C3B	2.86	130.03	124.68
14	B6	809	CLA	CBC-CAC-C3C	-2.86	104.55	112.43
14	B5	1843	CLA	C3C-C4C-NC	2.86	113.78	110.57
14	A5	831	CLA	CHD-C1D-ND	-2.86	121.83	124.45
14	B5	1834	CLA	O2A-CGA-CBA	2.86	120.88	111.91
14	B1	840	CLA	O2A-CGA-CBA	2.86	120.88	111.91
14	B5	1815	CLA	O2A-CGA-CBA	2.86	120.88	111.91
14	A4	835	CLA	C3B-C4B-NB	2.86	112.91	109.21
14	B5	1830	CLA	C2D-C1D-ND	2.86	112.21	110.10
14	B4	832	CLA	C1D-ND-C4D	-2.86	104.31	106.33
14	A6	1604	CLA	C1D-ND-C4D	-2.86	104.31	106.33
14	B1	827	CLA	CMD-C2D-C1D	2.86	129.75	124.71
14	A2	1612	CLA	C3C-C4C-NC	2.86	113.77	110.57
14	B2	838	CLA	C3C-C4C-NC	2.86	113.77	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B5	1831	CLA	C2D-C1D-ND	2.86	112.21	110.10
16	B6	846	BCR	C29-C30-C25	2.85	114.88	110.48
14	B2	803	CLA	CMD-C2D-C1D	2.85	129.74	124.71
14	L6	203	CLA	CHD-C1D-ND	-2.85	121.83	124.45
14	F3	202	CLA	C3C-C4C-NC	2.85	113.77	110.57
14	B6	833	CLA	O2A-CGA-CBA	2.85	120.86	111.91
14	A3	840	CLA	CED-O2D-CGD	2.85	122.39	115.94
14	A1	837	CLA	C2D-C1D-ND	2.85	112.21	110.10
14	B1	806	CLA	C2C-C1C-NC	2.85	112.64	109.97
14	A2	1633	CLA	CHD-C1D-ND	-2.85	121.83	124.45
14	B6	815	CLA	CHD-C4C-C3C	-2.85	120.65	124.84
14	B3	1812	CLA	C1D-ND-C4D	-2.85	104.31	106.33
14	B4	803	CLA	O2A-CGA-CBA	2.85	120.86	111.91
14	A4	810	CLA	O2D-CGD-CBD	2.85	116.33	111.27
14	L1	205	CLA	O2A-CGA-CBA	2.85	120.86	111.91
14	B6	832	CLA	O2A-CGA-CBA	2.85	120.86	111.91
14	B5	1803	CLA	CED-O2D-CGD	2.85	122.39	115.94
14	A4	838	CLA	C2C-C1C-NC	2.85	112.64	109.97
16	L6	204	BCR	C33-C5-C6	2.85	127.73	124.53
16	M2	1202	BCR	C29-C30-C25	2.85	114.87	110.48
14	B3	1826	CLA	C2C-C1C-NC	2.85	112.64	109.97
16	A4	846	BCR	C33-C5-C6	2.85	127.73	124.53
14	A3	836	CLA	C2D-C1D-ND	2.85	112.20	110.10
14	A2	1628	CLA	CMB-C2B-C3B	2.85	130.01	124.68
14	B1	835	CLA	C2C-C1C-NC	2.85	112.64	109.97
14	L2	205	CLA	O2A-CGA-CBA	2.85	120.84	111.91
14	B3	1829	CLA	CMC-C2C-C1C	2.85	129.38	125.04
14	A1	801	CLA	C3C-C4C-NC	2.85	113.76	110.57
14	B1	838	CLA	C2C-C1C-NC	2.85	112.64	109.97
14	B1	838	CLA	CMD-C2D-C1D	2.85	129.73	124.71
14	A4	813	CLA	C1D-ND-C4D	-2.85	104.31	106.33
14	B2	809	CLA	C3D-C2D-C1D	-2.85	101.95	105.83
16	B3	1851	BCR	C1-C6-C5	-2.85	118.61	122.61
14	A4	815	CLA	O2A-CGA-CBA	2.85	120.84	111.91
14	A3	809	CLA	C2D-C1D-ND	2.85	112.20	110.10
14	A4	829	CLA	C3C-C4C-NC	2.85	113.76	110.57
14	B2	814	CLA	CHD-C4C-C3C	-2.85	120.66	124.84
16	B1	849	BCR	C29-C30-C25	2.84	114.86	110.48
14	J1	101	CLA	CMD-C2D-C1D	2.84	129.73	124.71
14	A6	1613	CLA	O2A-CGA-CBA	2.84	120.83	111.91
14	B5	1833	CLA	C2C-C1C-NC	2.84	112.64	109.97
14	B2	801	CLA	O2A-CGA-CBA	2.84	120.83	111.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B4	812	CLA	C3D-C2D-C1D	-2.84	101.95	105.83
14	L2	205	CLA	CHD-C4C-C3C	-2.84	120.66	124.84
14	B6	813	CLA	C3C-C4C-NC	2.84	113.76	110.57
16	B2	843	BCR	C1-C6-C5	-2.84	118.61	122.61
14	B4	836	CLA	CHD-C1D-ND	-2.84	121.84	124.45
14	B5	1805	CLA	O2A-CGA-CBA	2.84	120.83	111.91
14	B6	813	CLA	O2A-CGA-CBA	2.84	120.83	111.91
14	A5	818	CLA	C2D-C1D-ND	2.84	112.20	110.10
16	L2	201	BCR	C29-C30-C25	2.84	114.86	110.48
14	A3	805	CLA	CHD-C1D-ND	-2.84	121.84	124.45
14	A3	826	CLA	CHD-C1D-ND	-2.84	121.84	124.45
14	A5	812	CLA	C1D-ND-C4D	-2.84	104.32	106.33
14	A4	801	CLA	C3C-C4C-NC	2.84	113.76	110.57
14	A3	811	CLA	O2A-CGA-CBA	2.84	120.82	111.91
14	B3	1821	CLA	CMD-C2D-C1D	2.84	129.72	124.71
14	B2	837	CLA	CED-O2D-CGD	2.84	122.36	115.94
14	B4	817	CLA	CHD-C4C-C3C	-2.84	120.67	124.84
14	A2	1623	CLA	CMD-C2D-C1D	2.84	129.72	124.71
16	A3	848	BCR	C29-C30-C25	2.84	114.85	110.48
14	A4	840	CLA	C2C-C1C-NC	2.84	112.63	109.97
16	M1	1202	BCR	C1-C6-C5	-2.84	118.62	122.61
14	A6	1625	CLA	O2A-CGA-CBA	2.84	120.81	111.91
14	A4	830	CLA	CHD-C1D-ND	-2.84	121.85	124.45
14	B1	811	CLA	C1D-ND-C4D	-2.84	104.32	106.33
14	A6	1618	CLA	C3C-C4C-NC	2.84	113.75	110.57
14	B5	1821	CLA	O2A-CGA-CBA	2.84	120.81	111.91
14	B3	1835	CLA	O2A-CGA-CBA	2.84	120.81	111.91
14	A3	828	CLA	CMB-C2B-C3B	2.84	129.98	124.68
14	B5	1836	CLA	C2C-C1C-NC	2.84	112.63	109.97
14	A3	830	CLA	C3C-C4C-NC	2.83	113.75	110.57
14	L3	202	CLA	C3C-C4C-NC	2.83	113.75	110.57
14	L1	201	CLA	CMD-C2D-C1D	2.83	129.71	124.71
16	J4	104	BCR	C40-C30-C25	2.83	114.90	110.30
14	B4	820	CLA	CED-O2D-CGD	2.83	122.35	115.94
14	A1	809	CLA	C3C-C4C-NC	2.83	113.75	110.57
14	B6	826	CLA	O2A-CGA-CBA	2.83	120.80	111.91
14	A5	836	CLA	O2A-CGA-O1A	-2.83	116.44	123.59
14	B2	838	CLA	O2A-CGA-CBA	2.83	120.80	111.91
16	A5	853	BCR	C29-C30-C25	2.83	114.84	110.48
14	L1	201	CLA	C3C-C4C-NC	2.83	113.75	110.57
16	B2	846	BCR	C40-C30-C25	2.83	114.89	110.30
14	B2	834	CLA	C3C-C4C-NC	2.83	113.75	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A4	829	CLA	C2C-C1C-NC	2.83	112.62	109.97
14	A2	1625	CLA	C4A-NA-C1A	2.83	107.98	106.71
14	B4	813	CLA	C4A-NA-C1A	2.83	107.98	106.71
14	B4	809	CLA	CMD-C2D-C1D	2.83	129.70	124.71
14	B1	810	CLA	O2A-CGA-O1A	-2.83	116.45	123.59
14	B2	821	CLA	O2A-CGA-CBA	2.83	120.78	111.91
17	A4	850	LHG	O8-C23-C24	2.83	120.78	111.91
16	F3	201	BCR	C8-C9-C10	-2.83	114.60	118.94
14	A2	1615	CLA	C1D-ND-C4D	-2.83	104.33	106.33
14	B1	804	CLA	O2A-CGA-CBA	2.83	120.78	111.91
14	A2	1630	CLA	CMB-C2B-C3B	2.83	129.97	124.68
14	B3	1803	CLA	O2A-CGA-CBA	2.83	120.78	111.91
14	A4	803	CLA	O2A-CGA-CBA	2.83	120.78	111.91
14	A4	827	CLA	CMB-C2B-C3B	2.83	129.97	124.68
14	A5	816	CLA	O2A-CGA-CBA	2.83	120.78	111.91
14	B2	812	CLA	CMB-C2B-C3B	2.83	129.97	124.68
14	F6	202	CLA	C3C-C4C-NC	2.82	113.74	110.57
14	A5	818	CLA	C3C-C4C-NC	2.82	113.74	110.57
14	F6	202	CLA	CED-O2D-CGD	2.82	122.33	115.94
14	B6	805	CLA	O2A-CGA-CBA	2.82	120.77	111.91
16	A2	1649	BCR	C33-C5-C6	2.82	127.70	124.53
14	B2	808	CLA	O2A-CGA-CBA	2.82	120.77	111.91
17	A2	1653	LHG	O8-C23-C24	2.82	120.77	111.91
14	A6	1630	CLA	C3C-C4C-NC	2.82	113.74	110.57
14	L5	202	CLA	C1D-ND-C4D	-2.82	104.33	106.33
14	A6	1626	CLA	CHD-C1D-ND	-2.82	121.86	124.45
16	A6	1644	BCR	C32-C1-C6	2.82	114.88	110.30
14	A1	832	CLA	C2D-C1D-ND	2.82	112.18	110.10
14	A3	811	CLA	O2D-CGD-CBD	2.82	116.28	111.27
14	B5	1842	CLA	CAC-C3C-C4C	2.82	128.47	124.81
16	B3	1849	BCR	C40-C30-C25	2.82	114.87	110.30
14	B1	811	CLA	CMD-C2D-C1D	2.82	129.68	124.71
14	B1	829	CLA	C3C-C4C-NC	2.82	113.73	110.57
14	B3	1807	CLA	C3B-C4B-NB	2.82	112.86	109.21
14	L1	202	CLA	C2D-C1D-ND	2.82	112.18	110.10
14	A6	1638	CLA	C2D-C1D-ND	2.82	112.18	110.10
14	A2	1619	CLA	CHD-C1D-ND	-2.82	121.86	124.45
14	A4	809	CLA	CHD-C1D-ND	-2.82	121.86	124.45
14	B5	1837	CLA	O2D-CGD-CBD	2.82	116.28	111.27
14	A6	1631	CLA	O2A-CGA-CBA	2.82	120.75	111.91
16	F4	204	BCR	C1-C6-C5	-2.82	118.64	122.61
16	I3	101	BCR	C36-C18-C19	2.82	122.52	118.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B3	1843	CLA	C3D-C4D-ND	2.82	114.80	110.24
14	A1	808	CLA	C2D-C1D-ND	2.82	112.18	110.10
14	A3	842	CLA	C2C-C1C-NC	2.82	112.61	109.97
14	B3	1840	CLA	C2C-C1C-NC	2.82	112.61	109.97
14	B2	804	CLA	C1D-ND-C4D	-2.82	104.33	106.33
14	A4	812	CLA	C1D-ND-C4D	-2.82	104.33	106.33
14	A1	809	CLA	CHD-C1D-ND	-2.82	121.87	124.45
14	A6	1612	CLA	CMD-C2D-C1D	2.82	129.68	124.71
14	B2	828	CLA	C3C-C4C-NC	2.82	113.73	110.57
14	B3	1801	CLA	C3C-C4C-NC	2.82	113.73	110.57
16	F4	201	BCR	C34-C9-C8	2.82	122.51	118.08
14	B6	824	CLA	O2A-CGA-CBA	2.82	120.74	111.91
14	A3	843	CLA	C3C-C4C-NC	2.82	113.73	110.57
14	B3	1822	CLA	C2C-C1C-NC	2.81	112.61	109.97
14	B6	809	CLA	O2A-CGA-CBA	2.81	120.74	111.91
14	A5	832	CLA	CMD-C2D-C1D	2.81	129.67	124.71
14	B3	1840	CLA	CHD-C1D-ND	-2.81	121.87	124.45
14	B5	1830	CLA	CHD-C1D-ND	-2.81	121.87	124.45
14	B1	815	CLA	O2A-CGA-CBA	2.81	120.74	111.91
14	L6	207	CLA	C4A-NA-C1A	2.81	107.97	106.71
14	B2	835	CLA	C3C-C4C-NC	2.81	113.73	110.57
14	A6	1604	CLA	C3C-C4C-NC	2.81	113.73	110.57
14	A2	1618	CLA	O2A-CGA-CBA	2.81	120.73	111.91
14	L6	206	CLA	C3C-C4C-NC	2.81	113.72	110.57
14	A5	828	CLA	CMB-C2B-C3B	2.81	129.94	124.68
14	A6	1603	CLA	C1-O2A-CGA	2.81	123.82	116.44
14	B5	1802	CLA	C1-O2A-CGA	2.81	123.82	116.44
14	A5	802	CLA	CMD-C2D-C1D	2.81	129.67	124.71
14	B4	827	CLA	CMB-C2B-C3B	2.81	129.94	124.68
14	A5	826	CLA	CHD-C1D-ND	-2.81	121.87	124.45
14	L5	202	CLA	C3C-C4C-NC	2.81	113.72	110.57
14	A1	815	CLA	O2A-CGA-CBA	2.81	120.73	111.91
14	B1	834	CLA	O2A-CGA-CBA	2.81	120.73	111.91
14	B2	815	CLA	C2D-C1D-ND	2.81	112.17	110.10
14	B6	819	CLA	O2A-CGA-CBA	2.81	120.73	111.91
14	L4	201	CLA	C3C-C4C-NC	2.81	113.72	110.57
14	A2	1642	CLA	CMD-C2D-C1D	2.81	129.66	124.71
16	A5	849	BCR	C38-C26-C27	-2.81	108.22	113.62
14	B2	827	CLA	C3C-C4C-NC	2.81	113.72	110.57
14	B3	1832	CLA	CHD-C1D-ND	-2.81	121.87	124.45
14	B1	825	CLA	CED-O2D-CGD	2.81	122.29	115.94
14	F2	202	CLA	C1D-ND-C4D	-2.81	104.34	106.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B4	802	CLA	O2A-CGA-O1A	-2.81	116.50	123.59
14	B4	842	CLA	C3C-C4C-NC	2.81	113.72	110.57
14	B2	826	CLA	CHD-C1D-ND	-2.81	121.87	124.45
14	B3	1802	CLA	C1-O2A-CGA	2.81	123.81	116.44
14	A3	833	CLA	C3B-C4B-NB	2.81	112.84	109.21
14	B5	1815	CLA	CAC-C3C-C4C	2.81	128.45	124.81
14	B5	1836	CLA	CHD-C1D-ND	-2.81	121.88	124.45
14	A2	1609	CLA	CHD-C4C-C3C	-2.81	120.72	124.84
14	A3	829	CLA	C2D-C1D-ND	2.81	112.17	110.10
14	M1	1201	CLA	C3C-C4C-NC	2.81	113.72	110.57
14	B1	826	CLA	CMB-C2B-C3B	2.81	129.93	124.68
14	A1	810	CLA	O2A-CGA-CBA	2.81	120.71	111.91
14	B2	832	CLA	O2A-CGA-CBA	2.81	120.71	111.91
14	B4	828	CLA	CMB-C2B-C3B	2.80	129.93	124.68
14	B4	830	CLA	C2D-C1D-ND	2.80	112.17	110.10
14	A1	803	CLA	O2A-CGA-CBA	2.80	120.71	111.91
14	B1	817	CLA	C3C-C4C-NC	2.80	113.72	110.57
14	A6	1633	CLA	C3C-C4C-NC	2.80	113.72	110.57
14	A5	807	CLA	CHD-C4C-C3C	-2.80	120.72	124.84
14	B5	1810	CLA	O2A-CGA-O1A	-2.80	116.52	123.59
16	I6	102	BCR	C29-C30-C25	2.80	114.80	110.48
14	B2	831	CLA	O2A-CGA-CBA	2.80	120.70	111.91
14	B1	829	CLA	O2D-CGD-CBD	2.80	116.25	111.27
14	B1	803	CLA	CED-O2D-CGD	2.80	122.27	115.94
14	L3	205	CLA	O2A-CGA-CBA	2.80	120.70	111.91
14	A5	811	CLA	O2A-CGA-CBA	2.80	120.70	111.91
14	A2	1627	CLA	C3C-C4C-NC	2.80	113.71	110.57
14	B5	1810	CLA	C3C-C4C-NC	2.80	113.71	110.57
14	B4	821	CLA	O2A-CGA-CBA	2.80	120.70	111.91
14	A1	834	CLA	O2A-CGA-O1A	-2.80	116.52	123.59
16	J2	103	BCR	C30-C25-C24	2.80	123.70	115.78
14	B6	803	CLA	C2C-C1C-NC	2.80	112.60	109.97
14	A3	843	CLA	CHD-C1D-ND	-2.80	121.88	124.45
14	B3	1811	CLA	O2A-CGA-CBA	2.80	120.70	111.91
14	A5	804	CLA	O2A-CGA-CBA	2.80	120.70	111.91
14	B1	839	CLA	C2C-C1C-NC	2.80	112.59	109.97
14	I1	101	CLA	C3C-C4C-NC	2.80	113.71	110.57
14	A5	811	CLA	C3C-C4C-NC	2.80	113.71	110.57
16	L5	201	BCR	C29-C30-C25	2.80	114.79	110.48
14	A5	836	CLA	C3B-C4B-NB	2.80	112.83	109.21
14	A2	1611	CLA	C3C-C4C-NC	2.80	113.71	110.57
14	B5	1841	CLA	C3C-C4C-NC	2.80	113.71	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	A4	848	BCR	C2-C1-C6	2.80	114.79	110.48
14	B1	805	CLA	O2D-CGD-O1D	-2.80	118.37	123.84
14	B1	836	CLA	C4A-NA-C1A	2.80	107.96	106.71
14	A3	843	CLA	C4A-NA-C1A	2.80	107.96	106.71
14	A4	822	CLA	C4A-NA-C1A	2.80	107.96	106.71
14	B4	805	CLA	O2A-CGA-CBA	2.80	120.69	111.91
16	L1	203	BCR	C33-C5-C6	2.80	127.67	124.53
14	A1	820	CLA	CMD-C2D-C1D	2.80	129.64	124.71
14	K3	1401	CLA	C4A-NA-C1A	2.80	107.96	106.71
14	B5	1831	CLA	C4A-NA-C1A	2.80	107.96	106.71
14	B5	1827	CLA	CMB-C2B-C3B	2.80	129.91	124.68
14	A2	1620	CLA	C2C-C1C-NC	2.80	112.59	109.97
14	B4	835	CLA	C2D-C1D-ND	2.80	112.16	110.10
14	B3	1826	CLA	O2A-CGA-CBA	2.80	120.68	111.91
14	B1	825	CLA	C2C-C1C-NC	2.79	112.59	109.97
16	I6	102	BCR	C36-C18-C19	2.79	122.48	118.08
14	A5	827	CLA	C2C-C1C-NC	2.79	112.59	109.97
14	A3	826	CLA	CHD-C4C-C3C	-2.79	120.73	124.84
14	A3	826	CLA	C3D-C2D-C1D	-2.79	102.02	105.83
14	A1	833	CLA	CHD-C1D-ND	-2.79	121.89	124.45
14	A4	810	CLA	O2A-CGA-CBA	2.79	120.67	111.91
14	A2	1618	CLA	C3C-C4C-NC	2.79	113.70	110.57
14	B4	803	CLA	C3C-C4C-NC	2.79	113.70	110.57
14	A4	808	CLA	C2D-C1D-ND	2.79	112.16	110.10
14	A3	838	CLA	O2A-CGA-CBA	2.79	120.67	111.91
16	A1	843	BCR	C32-C1-C6	2.79	114.83	110.30
14	B5	1840	CLA	C2C-C1C-NC	2.79	112.59	109.97
16	J1	104	BCR	C30-C25-C24	2.79	123.67	115.78
16	B2	850	BCR	C1-C6-C5	-2.79	118.68	122.61
14	A5	830	CLA	C3C-C4C-NC	2.79	113.70	110.57
16	I5	102	BCR	C33-C5-C6	2.79	127.66	124.53
14	B4	819	CLA	C2D-C1D-ND	2.79	112.16	110.10
14	A5	835	CLA	C2D-C1D-ND	2.79	112.16	110.10
14	A3	843	CLA	C3D-C2D-C1D	-2.79	102.02	105.83
14	B3	1842	CLA	C3C-C4C-NC	2.79	113.70	110.57
14	A1	830	CLA	O2A-CGA-CBA	2.79	120.66	111.91
14	A6	1631	CLA	C2D-C1D-ND	2.79	112.16	110.10
16	I4	102	BCR	C33-C5-C4	-2.79	108.26	113.62
16	A4	845	BCR	C29-C30-C25	2.79	114.77	110.48
14	A3	804	CLA	O2A-CGA-CBA	2.79	120.66	111.91
16	F6	201	BCR	C8-C9-C10	-2.79	114.66	118.94
16	A4	844	BCR	C37-C22-C23	2.79	122.47	118.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A2	1602	CLA	C3C-C4C-NC	2.79	113.70	110.57
14	A2	1619	CLA	C3C-C4C-NC	2.79	113.70	110.57
14	B4	831	CLA	C3C-C4C-NC	2.79	113.70	110.57
14	B6	829	CLA	C3C-C4C-NC	2.79	113.70	110.57
14	A5	801	CLA	C3C-C4C-NC	2.79	113.70	110.57
14	X5	101	CLA	C1D-ND-C4D	-2.79	104.36	106.33
16	J3	104	BCR	C30-C25-C24	2.79	123.66	115.78
14	B6	808	CLA	C3D-C4D-ND	2.79	114.75	110.24
14	A6	1639	CLA	CHD-C4C-C3C	-2.79	120.74	124.84
14	A2	1634	CLA	C3C-C4C-NC	2.79	113.70	110.57
14	A6	1601	CLA	C3C-C4C-NC	2.79	113.70	110.57
14	J1	101	CLA	C2C-C1C-NC	2.79	112.58	109.97
14	B4	805	CLA	CMD-C2D-C1D	2.79	129.62	124.71
14	L1	206	CLA	C3D-C4D-ND	2.79	114.74	110.24
14	A6	1610	CLA	C3C-C4C-NC	2.79	113.69	110.57
16	A6	1647	BCR	C38-C26-C27	-2.79	108.27	113.62
14	B2	818	CLA	CMD-C2D-C1D	2.79	129.62	124.71
14	A3	817	CLA	O2A-CGA-CBA	2.79	120.65	111.91
16	I2	101	BCR	C36-C18-C19	2.78	122.47	118.08
14	A1	815	CLA	C3C-C4C-NC	2.78	113.69	110.57
14	A3	841	CLA	C2D-C1D-ND	2.78	112.16	110.10
14	A6	1621	CLA	CED-O2D-CGD	2.78	122.23	115.94
14	B1	814	CLA	C3C-C4C-NC	2.78	113.69	110.57
14	F2	202	CLA	C3C-C4C-NC	2.78	113.69	110.57
14	B1	829	CLA	C2D-C1D-ND	2.78	112.16	110.10
14	A2	1635	CLA	C2D-C1D-ND	2.78	112.16	110.10
16	A3	847	BCR	C37-C22-C23	2.78	122.46	118.08
16	L6	201	BCR	C38-C26-C25	2.78	127.65	124.53
14	B3	1802	CLA	O2A-CGA-O1A	-2.78	116.57	123.59
14	B3	1803	CLA	C4A-NA-C1A	2.78	107.96	106.71
14	L6	203	CLA	C4A-NA-C1A	2.78	107.96	106.71
14	B2	803	CLA	CHD-C1D-ND	-2.78	121.90	124.45
14	A6	1611	CLA	O2D-CGD-CBD	2.78	116.21	111.27
14	B1	815	CLA	C3C-C4C-NC	2.78	113.69	110.57
14	A4	814	CLA	C2D-C1D-ND	2.78	112.15	110.10
14	A1	811	CLA	CMD-C2D-C1D	2.78	129.61	124.71
14	A1	833	CLA	CED-O2D-CGD	2.78	122.23	115.94
14	B1	806	CLA	C4A-NA-C1A	2.78	107.96	106.71
16	A2	1651	BCR	C38-C26-C27	-2.78	108.28	113.62
14	B2	803	CLA	O2A-CGA-CBA	2.78	120.63	111.91
14	B5	1830	CLA	O2D-CGD-CBD	2.78	116.21	111.27
16	B6	847	BCR	C36-C18-C19	2.78	122.46	118.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A1	804	CLA	O2A-CGA-CBA	2.78	120.63	111.91
14	B2	804	CLA	C3C-C4C-NC	2.78	113.69	110.57
14	K5	102	CLA	C3C-C4C-NC	2.78	113.69	110.57
14	A3	837	CLA	O2A-CGA-O1A	-2.78	116.58	123.59
14	A4	836	CLA	O2A-CGA-CBA	2.78	120.63	111.91
14	B5	1820	CLA	CED-O2D-CGD	2.78	122.22	115.94
14	B2	836	CLA	C2C-C1C-NC	2.78	112.58	109.97
14	L6	202	CLA	C3C-C4C-NC	2.78	113.69	110.57
14	L5	204	CLA	O2A-CGA-CBA	2.78	120.63	111.91
14	A6	1603	CLA	O2A-CGA-O1A	-2.78	116.58	123.59
14	A1	813	CLA	CED-O2D-CGD	2.78	122.22	115.94
14	B6	803	CLA	CED-O2D-CGD	2.78	122.22	115.94
16	B2	842	BCR	C38-C26-C27	-2.78	108.28	113.62
16	A6	1648	BCR	C23-C22-C21	-2.78	114.68	118.94
14	B4	801	CLA	CMD-C2D-C1D	2.78	129.61	124.71
14	A3	842	CLA	CHD-C4C-C3C	-2.78	120.76	124.84
14	A1	833	CLA	C2D-C1D-ND	2.78	112.15	110.10
14	B4	825	CLA	C2D-C1D-ND	2.78	112.15	110.10
14	L6	206	CLA	O2A-CGA-CBA	2.78	120.62	111.91
16	I3	102	BCR	C37-C22-C23	2.78	122.45	118.08
14	B4	824	CLA	CHD-C1D-ND	-2.78	121.90	124.45
14	B6	836	CLA	C3C-C4C-NC	2.78	113.69	110.57
14	A1	829	CLA	CMD-C2D-C1D	2.78	129.61	124.71
14	A1	827	CLA	CMB-C2B-C3B	2.78	129.87	124.68
16	M6	1202	BCR	C1-C6-C5	-2.78	118.70	122.61
14	A6	1605	CLA	O2A-CGA-CBA	2.78	120.62	111.91
14	B5	1802	CLA	O2A-CGA-O1A	-2.78	116.59	123.59
14	B1	833	CLA	C2D-C1D-ND	2.77	112.15	110.10
14	B1	836	CLA	C3C-C4C-NC	2.77	113.68	110.57
14	A2	1606	CLA	C3C-C4C-NC	2.77	113.68	110.57
14	A4	817	CLA	C3C-C4C-NC	2.77	113.68	110.57
14	B6	804	CLA	C3C-C4C-NC	2.77	113.68	110.57
14	A3	822	CLA	CHD-C1D-ND	-2.77	121.90	124.45
16	L6	204	BCR	C37-C22-C23	2.77	122.45	118.08
14	B6	841	CLA	C3C-C4C-NC	2.77	113.68	110.57
14	B6	829	CLA	C3B-C4B-NB	2.77	112.80	109.21
14	A6	1611	CLA	O2A-CGA-CBA	2.77	120.61	111.91
14	B6	823	CLA	C2D-C1D-ND	2.77	112.15	110.10
14	A5	822	CLA	C2D-C1D-ND	2.77	112.15	110.10
16	B5	1850	BCR	C34-C9-C8	2.77	122.45	118.08
14	M2	1201	CLA	C3C-C4C-NC	2.77	113.68	110.57
14	B5	1801	CLA	C3C-C4C-NC	2.77	113.68	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A1	808	CLA	C3C-C4C-NC	2.77	113.68	110.57
14	B4	841	CLA	C3C-C4C-NC	2.77	113.68	110.57
14	B4	824	CLA	O2A-CGA-CBA	2.77	120.60	111.91
14	B6	822	CLA	O2A-CGA-CBA	2.77	120.60	111.91
14	A6	1640	CLA	C2C-C1C-NC	2.77	112.57	109.97
16	I4	102	BCR	C37-C22-C23	2.77	122.44	118.08
14	A2	1606	CLA	O2A-CGA-CBA	2.77	120.60	111.91
14	A1	828	CLA	C2D-C1D-ND	2.77	112.14	110.10
14	A6	1635	CLA	C2D-C1D-ND	2.77	112.14	110.10
14	B5	1813	CLA	C2D-C1D-ND	2.77	112.14	110.10
14	M6	1201	CLA	CHD-C4C-C3C	-2.77	120.77	124.84
14	A6	1634	CLA	O2A-CGA-CBA	2.77	120.60	111.91
14	A2	1644	CLA	O2A-CGA-O1A	-2.77	116.60	123.59
14	A4	808	CLA	C3C-C4C-NC	2.77	113.68	110.57
14	A5	832	CLA	C3C-C4C-NC	2.77	113.68	110.57
14	B1	806	CLA	O2A-CGA-CBA	2.77	120.60	111.91
14	A4	829	CLA	CMD-C2D-C1D	2.77	129.59	124.71
14	B6	826	CLA	CMD-C2D-C1D	2.77	129.59	124.71
16	B5	1845	BCR	C38-C26-C27	-2.77	108.30	113.62
14	B2	839	CLA	C3C-C4C-NC	2.77	113.67	110.57
14	B3	1813	CLA	C3C-C4C-NC	2.77	113.67	110.57
14	A2	1601	CLA	CED-O2D-CGD	2.77	122.20	115.94
14	A1	829	CLA	C3C-C4C-NC	2.77	113.67	110.57
14	A1	832	CLA	O2A-CGA-CBA	2.77	120.59	111.91
14	A6	1621	CLA	CMD-C2D-C1D	2.77	129.59	124.71
14	B2	803	CLA	CED-O2D-CGD	2.77	122.19	115.94
14	A2	1641	CLA	C2C-C1C-NC	2.77	112.56	109.97
14	B2	831	CLA	C2D-C1D-ND	2.77	112.14	110.10
14	A4	833	CLA	CED-O2D-CGD	2.77	122.19	115.94
14	A1	810	CLA	CHD-C1D-ND	-2.77	121.91	124.45
14	B6	835	CLA	O2D-CGD-CBD	2.76	116.18	111.27
14	B5	1818	CLA	C3C-C4C-NC	2.76	113.67	110.57
16	B1	852	BCR	C38-C26-C25	2.76	127.63	124.53
14	B6	817	CLA	C2D-C1D-ND	2.76	112.14	110.10
16	A6	1643	BCR	C37-C22-C23	2.76	122.43	118.08
14	L6	206	CLA	CHD-C4C-C3C	-2.76	120.78	124.84
14	A1	817	CLA	C3C-C4C-NC	2.76	113.67	110.57
14	A3	833	CLA	CHD-C1D-ND	-2.76	121.92	124.45
14	A4	833	CLA	O2A-CGA-CBA	2.76	120.58	111.91
14	B3	1841	CLA	C3C-C4C-NC	2.76	113.67	110.57
14	B4	852	CLA	C3C-C4C-NC	2.76	113.67	110.57
14	B1	811	CLA	O2A-CGA-CBA	2.76	120.57	111.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A1	839	CLA	CHD-C1D-ND	-2.76	121.92	124.45
14	A4	807	CLA	C2C-C1C-NC	2.76	112.56	109.97
14	B2	807	CLA	C4A-NA-C1A	2.76	107.95	106.71
14	B1	830	CLA	C3B-C4B-NB	2.76	112.78	109.21
14	B2	812	CLA	C3C-C4C-NC	2.76	113.67	110.57
14	F4	202	CLA	C3C-C4C-NC	2.76	113.67	110.57
14	A3	839	CLA	CHD-C1D-ND	-2.76	121.92	124.45
14	M1	1201	CLA	CHD-C4C-C3C	-2.76	120.78	124.84
14	B2	840	CLA	C3D-C4D-ND	2.76	114.70	110.24
14	B3	1839	CLA	C3C-C4C-NC	2.76	113.67	110.57
14	A2	1614	CLA	CMD-C2D-C1D	2.76	129.57	124.71
14	A5	805	CLA	CHD-C1D-ND	-2.76	121.92	124.45
14	A6	1617	CLA	O2A-CGA-CBA	2.76	120.56	111.91
14	B1	832	CLA	C2C-C1C-NC	2.76	112.56	109.97
14	B3	1823	CLA	C2C-C1C-NC	2.76	112.56	109.97
16	B2	847	BCR	C29-C30-C25	2.76	114.73	110.48
14	A5	834	CLA	O2A-CGA-CBA	2.76	120.56	111.91
16	B6	846	BCR	C40-C30-C25	2.76	114.77	110.30
14	B3	1824	CLA	O2A-CGA-CBA	2.76	120.56	111.91
14	B4	830	CLA	CHD-C1D-ND	-2.76	121.92	124.45
14	A6	1616	CLA	O2A-CGA-CBA	2.76	120.56	111.91
14	A4	841	CLA	C3C-C4C-NC	2.76	113.66	110.57
14	B3	1842	CLA	CED-O2D-CGD	2.76	122.17	115.94
14	A3	819	CLA	CHD-C1D-ND	-2.76	121.92	124.45
14	A6	1622	CLA	CHD-C1D-ND	-2.76	121.92	124.45
16	L2	203	BCR	C33-C5-C6	2.76	127.62	124.53
14	B5	1839	CLA	C3C-C4C-NC	2.76	113.66	110.57
16	B1	848	BCR	C34-C9-C8	2.76	122.42	118.08
14	A2	1613	CLA	O2A-CGA-CBA	2.76	120.56	111.91
14	B6	804	CLA	O2A-CGA-CBA	2.76	120.56	111.91
16	M2	1202	BCR	C37-C22-C23	2.76	122.42	118.08
14	A6	1621	CLA	O2D-CGD-CBD	2.75	116.16	111.27
14	A5	837	CLA	C3D-C4D-ND	2.75	114.69	110.24
14	A3	832	CLA	CMD-C2D-C1D	2.75	129.57	124.71
14	A6	1632	CLA	CHD-C1D-ND	-2.75	121.92	124.45
16	B4	845	BCR	C38-C26-C27	-2.75	108.33	113.62
16	J4	104	BCR	C30-C25-C24	2.75	123.57	115.78
16	B1	846	BCR	C40-C30-C25	2.75	114.77	110.30
14	L3	203	CLA	CHD-C4C-C3C	-2.75	120.79	124.84
14	A5	811	CLA	CHD-C1D-ND	-2.75	121.92	124.45
14	B3	1831	CLA	C3B-C4B-NB	2.75	112.77	109.21
16	L3	206	BCR	C36-C18-C19	2.75	122.41	118.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A2	1644	CLA	C3C-C4C-NC	2.75	113.66	110.57
14	K2	1401	CLA	C3C-C4C-NC	2.75	113.66	110.57
14	L1	202	CLA	CHD-C4C-C3C	-2.75	120.79	124.84
14	B6	825	CLA	CMB-C2B-C3B	2.75	129.83	124.68
16	A1	842	BCR	C37-C22-C23	2.75	122.41	118.08
16	A4	849	BCR	C37-C22-C23	2.75	122.41	118.08
14	A3	836	CLA	CHD-C1D-ND	-2.75	121.92	124.45
14	B1	803	CLA	O2D-CGD-CBD	2.75	116.16	111.27
16	J5	105	BCR	C38-C26-C25	2.75	127.62	124.53
14	B2	824	CLA	CMB-C2B-C3B	2.75	129.83	124.68
16	B4	846	BCR	C1-C6-C5	-2.75	118.74	122.61
14	B1	820	CLA	O2A-CGA-CBA	2.75	120.54	111.91
14	B6	827	CLA	CHD-C1D-ND	-2.75	121.93	124.45
14	B3	1838	CLA	C3C-C4C-NC	2.75	113.66	110.57
14	B4	810	CLA	C3C-C4C-NC	2.75	113.66	110.57
14	A4	820	CLA	CMD-C2D-C1D	2.75	129.56	124.71
14	B2	816	CLA	C2D-C1D-ND	2.75	112.13	110.10
14	L2	205	CLA	C3D-C2D-C1D	-2.75	102.08	105.83
14	L5	204	CLA	C3D-C2D-C1D	-2.75	102.08	105.83
17	A3	853	LHG	O8-C23-C24	2.75	120.54	111.91
14	K3	1401	CLA	C3C-C4C-NC	2.75	113.66	110.57
14	A6	1626	CLA	C3D-C2D-C1D	-2.75	102.08	105.83
14	B6	803	CLA	C2D-C1D-ND	2.75	112.13	110.10
14	A1	830	CLA	CHD-C1D-ND	-2.75	121.93	124.45
14	A6	1631	CLA	CHD-C1D-ND	-2.75	121.93	124.45
16	A1	846	BCR	C2-C1-C6	2.75	114.71	110.48
14	B6	813	CLA	CAC-C3C-C4C	2.75	128.38	124.81
14	B3	1802	CLA	CMB-C2B-C3B	2.75	129.82	124.68
14	A4	832	CLA	CHD-C1D-ND	-2.75	121.93	124.45
14	B1	822	CLA	C2C-C1C-NC	2.75	112.55	109.97
14	B6	819	CLA	CMD-C2D-C1D	2.75	129.56	124.71
14	B3	1818	CLA	C3C-C4C-NC	2.75	113.65	110.57
14	B5	1804	CLA	O2D-CGD-O1D	-2.75	118.47	123.84
14	B5	1837	CLA	C4A-NA-C1A	2.75	107.94	106.71
14	A4	838	CLA	CED-O2D-CGD	2.75	122.15	115.94
14	B2	827	CLA	C2D-C1D-ND	2.75	112.13	110.10
14	A6	1616	CLA	C2D-C1D-ND	2.75	112.13	110.10
14	B5	1803	CLA	C7-C6-C5	-2.75	105.90	113.36
16	L5	201	BCR	C38-C26-C25	2.75	127.61	124.53
14	A3	811	CLA	CHD-C1D-ND	-2.75	121.93	124.45
14	B4	828	CLA	CHD-C4C-C3C	-2.75	120.81	124.84
14	B5	1814	CLA	C1D-ND-C4D	-2.74	104.39	106.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B1	812	CLA	C4A-NA-C1A	2.74	107.94	106.71
14	B1	811	CLA	C3C-C4C-NC	2.74	113.65	110.57
14	A1	802	CLA	CAC-C3C-C4C	2.74	128.37	124.81
14	A5	805	CLA	O2A-CGA-CBA	2.74	120.52	111.91
14	A3	802	CLA	CHD-C1D-ND	-2.74	121.93	124.45
14	B1	814	CLA	CMB-C2B-C3B	2.74	129.81	124.68
14	A4	815	CLA	C3C-C4C-NC	2.74	113.65	110.57
14	A5	810	CLA	CHD-C1D-ND	-2.74	121.93	124.45
14	I1	101	CLA	CAC-C3C-C4C	2.74	128.37	124.81
16	A3	852	BCR	C23-C22-C21	-2.74	114.73	118.94
14	B1	854	CLA	C3C-C4C-NC	2.74	113.65	110.57
14	B5	1815	CLA	C3C-C4C-NC	2.74	113.65	110.57
14	A1	835	CLA	O2A-CGA-CBA	2.74	120.52	111.91
14	A3	805	CLA	O2A-CGA-CBA	2.74	120.51	111.91
16	B2	845	BCR	C40-C30-C25	2.74	114.75	110.30
16	A3	851	BCR	C38-C26-C27	-2.74	108.35	113.62
14	A2	1644	CLA	CHD-C1D-ND	-2.74	121.93	124.45
14	B1	820	CLA	CMD-C2D-C1D	2.74	129.54	124.71
14	A2	1638	CLA	C3B-C4B-NB	2.74	112.75	109.21
14	B5	1805	CLA	CED-O2D-CGD	2.74	122.14	115.94
14	B3	1829	CLA	CHD-C1D-ND	-2.74	121.94	124.45
14	B4	834	CLA	O2A-CGA-CBA	2.74	120.51	111.91
14	L2	206	CLA	C3D-C4D-ND	2.74	114.67	110.24
14	B1	808	CLA	O2A-CGA-CBA	2.74	120.50	111.91
14	B5	1803	CLA	O2A-CGA-CBA	2.74	120.50	111.91
14	A5	810	CLA	C3C-C4C-NC	2.74	113.64	110.57
14	A1	839	CLA	O2A-CGA-O1A	-2.74	116.68	123.59
14	B4	804	CLA	C1C-C2C-C3C	-2.74	104.08	106.96
14	B2	834	CLA	O2D-CGD-CBD	2.74	116.13	111.27
14	A1	826	CLA	C3D-C2D-C1D	-2.74	102.09	105.83
14	B5	1824	CLA	O2A-CGA-CBA	2.74	120.50	111.91
14	B4	803	CLA	C7-C6-C5	-2.74	105.92	113.36
16	M5	101	BCR	C1-C6-C5	-2.74	118.76	122.61
14	A5	837	CLA	O2A-CGA-CBA	2.74	120.50	111.91
14	A5	842	CLA	C3D-C4D-ND	2.74	114.67	110.24
14	B1	810	CLA	O1D-CGD-CBD	-2.74	118.88	124.48
14	A4	804	CLA	CHD-C1D-ND	-2.74	121.94	124.45
14	B4	830	CLA	C3C-C4C-NC	2.74	113.64	110.57
14	L4	203	CLA	O2A-CGA-CBA	2.74	120.50	111.91
14	B3	1840	CLA	CED-O2D-CGD	2.74	122.13	115.94
14	B1	836	CLA	O2D-CGD-CBD	2.74	116.13	111.27
16	B1	852	BCR	C1-C6-C5	-2.74	118.76	122.61

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B1	817	CLA	CHD-C1D-ND	-2.74	121.94	124.45
14	B3	1828	CLA	C3D-C2D-C1D	-2.73	102.10	105.83
14	L1	205	CLA	C3C-C4C-NC	2.73	113.64	110.57
14	A3	832	CLA	C1D-ND-C4D	-2.73	104.39	106.33
14	B4	805	CLA	CHD-C1D-ND	-2.73	121.94	124.45
14	B6	833	CLA	C2D-C1D-ND	2.73	112.12	110.10
16	B3	1848	BCR	C29-C30-C25	2.73	114.69	110.48
14	A1	821	CLA	C2C-C1C-NC	2.73	112.53	109.97
14	B6	838	CLA	C2C-C1C-NC	2.73	112.53	109.97
14	B1	835	CLA	CHD-C1D-ND	-2.73	121.94	124.45
14	A4	816	CLA	O2A-CGA-CBA	2.73	120.48	111.91
14	B5	1816	CLA	O2A-CGA-CBA	2.73	120.48	111.91
14	B1	824	CLA	C2D-C1D-ND	2.73	112.12	110.10
14	B5	1803	CLA	C4A-NA-C1A	2.73	107.93	106.71
14	A2	1628	CLA	CHD-C1D-ND	-2.73	121.94	124.45
14	B1	828	CLA	CMC-C2C-C1C	2.73	129.20	125.04
14	B6	827	CLA	CMC-C2C-C1C	2.73	129.20	125.04
16	J5	104	BCR	C30-C25-C24	2.73	123.50	115.78
14	B4	807	CLA	CMB-C2B-C3B	2.73	129.79	124.68
16	J5	103	BCR	C32-C1-C6	2.73	114.73	110.30
14	A6	1632	CLA	C3B-C4B-NB	2.73	112.74	109.21
14	A1	831	CLA	C2D-C1D-ND	2.73	112.12	110.10
14	B1	803	CLA	C2D-C1D-ND	2.73	112.12	110.10
14	B3	1834	CLA	CHD-C1D-ND	-2.73	121.94	124.45
14	B1	832	CLA	CHD-C4C-C3C	-2.73	120.83	124.84
14	A4	838	CLA	CHD-C4C-C3C	-2.73	120.83	124.84
14	B2	840	CLA	O2A-CGA-CBA	2.73	120.47	111.91
14	L5	204	CLA	C4A-NA-C1A	2.73	107.93	106.71
14	A6	1601	CLA	CED-O2D-CGD	2.73	122.11	115.94
14	A3	806	CLA	CBA-CAA-C2A	2.73	121.92	113.86
16	A3	856	BCR	C29-C30-C25	2.73	114.68	110.48
14	A2	1620	CLA	C3C-C4C-NC	2.73	113.63	110.57
16	L2	208	BCR	C36-C18-C19	2.73	122.38	118.08
14	B2	837	CLA	C2C-C1C-NC	2.73	112.53	109.97
14	A5	806	CLA	CED-O2D-CGD	2.73	122.11	115.94
14	A4	809	CLA	C3C-C4C-NC	2.73	113.63	110.57
14	B5	1807	CLA	C3B-C4B-NB	2.73	112.74	109.21
14	A1	824	CLA	C3C-C4C-NC	2.73	113.63	110.57
14	B2	807	CLA	C3C-C4C-NC	2.73	113.63	110.57
14	B6	837	CLA	C3C-C4C-NC	2.73	113.63	110.57
16	L6	209	BCR	C36-C18-C19	2.73	122.37	118.08
14	A2	1638	CLA	O2A-CGA-O1A	-2.73	116.71	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B5	1828	CLA	C3D-C2D-C1D	-2.73	102.11	105.83
14	B3	1843	CLA	C3C-C4C-NC	2.73	113.63	110.57
14	A4	834	CLA	CHD-C1D-ND	-2.73	121.95	124.45
14	B6	805	CLA	CMD-C2D-C1D	2.73	129.52	124.71
14	L4	204	CLA	O2A-CGA-CBA	2.73	120.46	111.91
14	K1	1401	CLA	C3C-C4C-NC	2.72	113.63	110.57
14	A3	831	CLA	O2A-CGA-CBA	2.72	120.46	111.91
14	A2	1617	CLA	C2D-C1D-ND	2.72	112.11	110.10
14	A6	1628	CLA	CMB-C2B-C3B	2.72	129.78	124.68
14	A1	810	CLA	C3C-C4C-NC	2.72	113.63	110.57
14	B4	806	CLA	C3C-C4C-NC	2.72	113.63	110.57
14	L1	201	CLA	CED-O2D-CGD	2.72	122.10	115.94
14	A1	825	CLA	C3D-C2D-C1D	-2.72	102.11	105.83
14	B3	1833	CLA	CHD-C1D-ND	-2.72	121.95	124.45
14	A4	821	CLA	CHD-C1D-ND	-2.72	121.95	124.45
14	K5	102	CLA	CHD-C1D-ND	-2.72	121.95	124.45
14	A2	1623	CLA	CED-O2D-CGD	2.72	122.10	115.94
14	B4	835	CLA	O2A-CGA-CBA	2.72	120.45	111.91
14	A5	830	CLA	C4A-NA-C1A	2.72	107.93	106.71
16	L3	201	BCR	C29-C30-C25	2.72	114.67	110.48
14	I1	101	CLA	C3D-C2D-C1D	-2.72	102.12	105.83
14	B2	812	CLA	C3D-C2D-C1D	-2.72	102.12	105.83
16	A2	1648	BCR	C29-C30-C25	2.72	114.67	110.48
16	A5	845	BCR	C37-C22-C23	2.72	122.36	118.08
14	B5	1803	CLA	C3C-C4C-NC	2.72	113.62	110.57
14	L1	207	CLA	O2A-CGA-CBA	2.72	120.44	111.91
14	M3	1601	CLA	O2A-CGA-CBA	2.72	122.77	114.03
14	A1	807	CLA	C2C-C1C-NC	2.72	112.52	109.97
14	M6	1201	CLA	C3C-C4C-NC	2.72	113.62	110.57
14	A5	815	CLA	C2D-C1D-ND	2.72	112.11	110.10
14	L1	205	CLA	C3D-C2D-C1D	-2.72	102.12	105.83
14	B1	803	CLA	CHD-C4C-C3C	-2.72	120.84	124.84
14	A1	837	CLA	CMD-C2D-C1D	2.72	129.50	124.71
16	B1	843	BCR	C38-C26-C27	-2.72	108.39	113.62
14	B6	831	CLA	CHD-C1D-ND	-2.72	121.96	124.45
14	A4	832	CLA	C3B-C4B-NB	2.72	112.72	109.21
14	B4	807	CLA	C3B-C4B-NB	2.72	112.72	109.21
14	A6	1606	CLA	CBA-CAA-C2A	2.72	121.89	113.86
14	L6	203	CLA	C3D-C2D-C1D	-2.72	102.12	105.83
14	A1	810	CLA	O2D-CGD-CBD	2.72	116.10	111.27
14	A6	1617	CLA	CHD-C4C-C3C	-2.72	120.85	124.84
14	B4	828	CLA	C3D-C2D-C1D	-2.72	102.12	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	F4	204	BCR	C38-C26-C25	2.72	127.58	124.53
14	B4	810	CLA	O2A-CGA-O1A	-2.72	116.73	123.59
14	B2	836	CLA	C3C-C4C-NC	2.72	113.62	110.57
14	A4	839	CLA	CMD-C2D-C1D	2.72	129.50	124.71
14	A5	830	CLA	CMD-C2D-C1D	2.72	129.50	124.71
14	A1	821	CLA	C2D-C1D-ND	2.72	112.11	110.10
14	A2	1641	CLA	C2D-C1D-ND	2.72	112.11	110.10
14	B3	1801	CLA	C2C-C1C-NC	2.72	112.52	109.97
14	L3	203	CLA	O2A-CGA-CBA	2.72	120.43	111.91
14	A4	837	CLA	O2A-CGA-O1A	-2.72	116.74	123.59
14	A3	834	CLA	C4A-NA-C1A	2.72	107.93	106.71
14	A4	826	CLA	C2C-C1C-NC	2.72	112.52	109.97
14	B6	828	CLA	C2D-C1D-ND	2.72	112.11	110.10
16	A6	1648	BCR	C37-C22-C23	2.72	122.36	118.08
16	F2	201	BCR	C34-C9-C8	2.71	122.35	118.08
14	A5	821	CLA	CMD-C2D-C1D	2.71	129.50	124.71
14	M3	1601	CLA	C3C-C4C-NC	2.71	113.61	110.57
14	A2	1614	CLA	C1D-ND-C4D	-2.71	104.41	106.33
14	A3	841	CLA	CMD-C2D-C1D	2.71	129.50	124.71
14	A3	840	CLA	C2C-C1C-NC	2.71	112.51	109.97
14	L4	203	CLA	C3C-C4C-NC	2.71	113.61	110.57
14	B5	1830	CLA	C3C-C4C-NC	2.71	113.61	110.57
16	A6	1644	BCR	C29-C30-C25	2.71	114.66	110.48
14	B5	1829	CLA	CMC-C2C-C1C	2.71	129.17	125.04
14	A6	1601	CLA	O2A-CGA-CBA	2.71	122.75	114.03
14	A4	812	CLA	CHD-C1D-ND	-2.71	121.96	124.45
14	B1	804	CLA	C3C-C4C-NC	2.71	113.61	110.57
16	B4	850	BCR	C29-C30-C25	2.71	114.66	110.48
14	L2	207	CLA	O2A-CGA-CBA	2.71	120.42	111.91
14	A4	806	CLA	CHD-C4C-C3C	-2.71	120.85	124.84
16	B4	845	BCR	C1-C6-C5	-2.71	118.79	122.61
14	B5	1810	CLA	C4A-NA-C1A	2.71	107.92	106.71
14	A6	1603	CLA	CMB-C2B-C3B	2.71	129.75	124.68
14	B2	823	CLA	C2C-C1C-NC	2.71	112.51	109.97
14	B5	1835	CLA	O2A-CGA-CBA	2.71	120.42	111.91
14	A6	1637	CLA	O2A-CGA-CBA	2.71	120.42	111.91
14	A2	1608	CLA	CBA-CAA-C2A	2.71	121.86	113.86
14	A2	1604	CLA	CMB-C2B-C3B	2.71	129.75	124.68
14	B5	1816	CLA	C3C-C4C-NC	2.71	113.61	110.57
14	B1	823	CLA	O2A-CGA-CBA	2.71	120.41	111.91
14	A3	835	CLA	O2A-CGA-CBA	2.71	120.41	111.91
14	A4	835	CLA	O2A-CGA-O1A	-2.71	116.75	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B4	810	CLA	O1D-CGD-CBD	-2.71	118.94	124.48
14	A5	809	CLA	C3C-C4C-NC	2.71	113.61	110.57
14	A2	1624	CLA	CHD-C1D-ND	-2.71	121.96	124.45
14	A2	1641	CLA	CHD-C1D-ND	-2.71	121.96	124.45
14	A2	1618	CLA	C2D-C1D-ND	2.71	112.10	110.10
16	B3	1851	BCR	C33-C5-C4	-2.71	108.41	113.62
14	A3	819	CLA	C1D-ND-C4D	-2.71	104.41	106.33
14	B5	1826	CLA	O2A-CGA-CBA	2.71	120.41	111.91
16	A1	843	BCR	C29-C30-C25	2.71	114.65	110.48
16	M4	101	BCR	C37-C22-C23	2.71	122.34	118.08
14	B1	833	CLA	C3D-C4D-ND	2.71	114.62	110.24
14	A5	809	CLA	C2D-C1D-ND	2.71	112.10	110.10
14	A3	832	CLA	C3C-C4C-NC	2.71	113.61	110.57
14	B6	840	CLA	C3C-C4C-NC	2.71	113.61	110.57
14	A2	1607	CLA	O2A-CGA-CBA	2.71	120.40	111.91
14	A5	822	CLA	C2C-C1C-NC	2.71	112.51	109.97
14	B1	838	CLA	CHD-C4C-C3C	-2.71	120.86	124.84
14	A3	804	CLA	C3C-C4C-NC	2.71	113.61	110.57
14	B6	841	CLA	C3D-C4D-ND	2.71	114.61	110.24
14	B5	1843	CLA	O2A-CGA-CBA	2.71	120.40	111.91
14	L5	203	CLA	C2D-C1D-ND	2.71	112.10	110.10
14	A2	1628	CLA	CHD-C4C-C3C	-2.71	120.86	124.84
14	B3	1804	CLA	C1D-ND-C4D	-2.71	104.41	106.33
14	A1	803	CLA	C3C-C4C-NC	2.71	113.61	110.57
14	A4	816	CLA	CHD-C1D-ND	-2.71	121.97	124.45
16	A2	1652	BCR	C23-C22-C21	-2.71	114.79	118.94
16	A5	846	BCR	C29-C30-C25	2.70	114.64	110.48
14	B2	818	CLA	O2A-CGA-CBA	2.70	120.40	111.91
14	B4	818	CLA	C4A-NA-C1A	2.70	107.92	106.71
14	B3	1821	CLA	O2A-CGA-CBA	2.70	120.39	111.91
14	A3	803	CLA	CAC-C3C-C4C	2.70	128.32	124.81
14	B3	1814	CLA	C1D-ND-C4D	-2.70	104.41	106.33
14	B6	826	CLA	C3D-C2D-C1D	-2.70	102.14	105.83
14	B2	836	CLA	CMD-C2D-C1D	2.70	129.48	124.71
14	A3	807	CLA	CHD-C4C-C3C	-2.70	120.87	124.84
14	B5	1806	CLA	CHD-C4C-C3C	-2.70	120.87	124.84
14	B2	828	CLA	O2A-CGA-CBA	2.70	120.39	111.91
14	A4	804	CLA	O2A-CGA-CBA	2.70	120.39	111.91
14	B6	808	CLA	O2A-CGA-O1A	-2.70	116.77	123.59
14	A2	1607	CLA	CHD-C1D-ND	-2.70	121.97	124.45
14	B4	840	CLA	CHD-C1D-ND	-2.70	121.97	124.45
14	B5	1823	CLA	C2C-C1C-NC	2.70	112.50	109.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B5	1806	CLA	C3C-C4C-NC	2.70	113.60	110.57
14	A2	1613	CLA	CHD-C1D-ND	-2.70	121.97	124.45
14	A3	822	CLA	C2D-C1D-ND	2.70	112.09	110.10
14	B6	826	CLA	CHD-C4C-C3C	-2.70	120.87	124.84
14	A4	830	CLA	O2A-CGA-CBA	2.70	120.39	111.91
14	A5	815	CLA	CMB-C2B-C3B	2.70	129.73	124.68
16	A4	848	BCR	C38-C26-C27	-2.70	108.43	113.62
14	B2	823	CLA	O2A-CGA-CBA	2.70	120.38	111.91
16	A1	846	BCR	C38-C26-C27	-2.70	108.43	113.62
14	A1	812	CLA	C3D-C2D-C1D	-2.70	102.15	105.83
14	L6	207	CLA	C3D-C2D-C1D	-2.70	102.15	105.83
14	B3	1813	CLA	CHD-C1D-ND	-2.70	121.97	124.45
14	B4	802	CLA	CMB-C2B-C3B	2.70	129.73	124.68
14	B6	816	CLA	C3C-C4C-NC	2.70	113.60	110.57
14	A1	806	CLA	CHD-C4C-C3C	-2.70	120.87	124.84
14	B4	813	CLA	CED-O2D-CGD	2.70	122.04	115.94
14	B5	1835	CLA	C2D-C1D-ND	2.70	112.09	110.10
14	A2	1642	CLA	CHD-C4C-C3C	-2.70	120.88	124.84
14	B5	1819	CLA	CED-O2D-CGD	2.70	122.04	115.94
14	B5	1807	CLA	C3C-C4C-NC	2.70	113.60	110.57
14	A5	840	CLA	CMD-C2D-C1D	2.70	129.47	124.71
14	B1	827	CLA	C3D-C2D-C1D	-2.70	102.15	105.83
14	A3	832	CLA	O2A-CGA-CBA	2.70	120.37	111.91
14	A2	1612	CLA	CHD-C1D-ND	-2.70	121.98	124.45
14	K3	1401	CLA	CHD-C1D-ND	-2.70	121.98	124.45
14	B6	811	CLA	CHD-C1D-ND	-2.70	121.98	124.45
14	A2	1643	CLA	C2C-C1C-NC	2.70	112.50	109.97
14	A6	1626	CLA	CHD-C4C-C3C	-2.70	120.88	124.84
16	A3	847	BCR	C30-C25-C26	-2.70	118.82	122.61
16	F6	201	BCR	C34-C9-C8	2.70	122.32	118.08
14	A5	819	CLA	CHD-C1D-ND	-2.70	121.98	124.45
14	A2	1639	CLA	O2A-CGA-CBA	2.69	120.36	111.91
14	X6	1701	CLA	C1D-ND-C4D	-2.69	104.42	106.33
14	A4	820	CLA	CED-O2D-CGD	2.69	122.03	115.94
14	A4	821	CLA	C2C-C1C-NC	2.69	112.50	109.97
14	B5	1801	CLA	C2C-C1C-NC	2.69	112.50	109.97
14	K4	1401	CLA	C3C-C4C-NC	2.69	113.59	110.57
14	B6	838	CLA	CHD-C1D-ND	-2.69	121.98	124.45
14	B1	805	CLA	C1C-C2C-C3C	-2.69	104.12	106.96
16	L4	206	BCR	C36-C18-C19	2.69	122.32	118.08
14	J6	1101	CLA	CAC-C3C-C4C	2.69	128.30	124.81
14	B1	838	CLA	C3C-C4C-NC	2.69	113.59	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B6	829	CLA	O2A-CGA-CBA	2.69	120.36	111.91
16	B3	1848	BCR	C40-C30-C25	2.69	114.67	110.30
16	B4	849	BCR	C40-C30-C25	2.69	114.67	110.30
14	A4	825	CLA	CHD-C4C-C3C	-2.69	120.88	124.84
14	B4	843	CLA	C3C-C4C-NC	2.69	113.59	110.57
14	B3	1805	CLA	CHD-C1D-ND	-2.69	121.98	124.45
14	A4	835	CLA	C3D-C2D-C1D	-2.69	102.16	105.83
16	A3	852	BCR	C37-C22-C23	2.69	122.32	118.08
14	B4	802	CLA	CED-O2D-CGD	2.69	122.02	115.94
14	B4	841	CLA	O2A-CGA-CBA	2.69	120.35	111.91
14	A3	817	CLA	CHD-C4C-C3C	-2.69	120.89	124.84
14	A5	811	CLA	CHD-C4C-C3C	-2.69	120.89	124.84
14	A1	836	CLA	CHD-C1D-ND	-2.69	121.98	124.45
14	A1	805	CLA	CBA-CAA-C2A	2.69	121.80	113.86
14	L5	203	CLA	CHD-C4C-C3C	-2.69	120.89	124.84
14	B6	805	CLA	CHD-C1D-ND	-2.69	121.98	124.45
14	B2	828	CLA	C3B-C4B-NB	2.69	112.69	109.21
14	X2	1701	CLA	C1D-ND-C4D	-2.69	104.42	106.33
14	A3	818	CLA	C3C-C4C-NC	2.69	113.59	110.57
14	A5	835	CLA	C3C-C4C-NC	2.69	113.59	110.57
14	A4	811	CLA	CMD-C2D-C1D	2.69	129.45	124.71
14	A4	807	CLA	C3D-C2D-C1D	-2.69	102.16	105.83
16	B3	1845	BCR	C1-C6-C5	-2.69	118.83	122.61
14	A2	1615	CLA	CAC-C3C-C4C	2.69	128.30	124.81
14	L3	203	CLA	C3C-C4C-NC	2.69	113.58	110.57
14	A6	1611	CLA	C3C-C4C-NC	2.69	113.58	110.57
14	B5	1811	CLA	CHD-C4C-C3C	-2.69	120.89	124.84
14	A3	832	CLA	CMB-C2B-C3B	2.69	129.71	124.68
14	L4	201	CLA	C2D-C1D-ND	2.69	112.08	110.10
14	A3	810	CLA	CHD-C1D-ND	-2.69	121.98	124.45
14	B4	813	CLA	CHD-C1D-ND	-2.69	121.98	124.45
14	L1	205	CLA	CHD-C4C-C3C	-2.69	120.89	124.84
14	A3	841	CLA	CHD-C4C-C3C	-2.69	120.89	124.84
14	B4	831	CLA	C3B-C4B-NB	2.69	112.68	109.21
16	J6	1104	BCR	C37-C22-C23	2.69	122.31	118.08
14	B4	823	CLA	C2C-C1C-NC	2.69	112.49	109.97
14	A2	1644	CLA	C3D-C2D-C1D	-2.69	102.17	105.83
14	L3	203	CLA	CHD-C1D-ND	-2.69	121.99	124.45
14	B4	801	CLA	CED-O2D-CGD	2.69	122.01	115.94
14	A4	837	CLA	C2D-C1D-ND	2.69	112.08	110.10
14	A4	807	CLA	CMC-C2C-C1C	2.69	129.13	125.04
14	K6	1401	CLA	C3C-C4C-NC	2.68	113.58	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B1	810	CLA	CHD-C4C-C3C	-2.68	120.89	124.84
14	B3	1828	CLA	CHD-C4C-C3C	-2.68	120.89	124.84
16	J6	1105	BCR	C30-C25-C24	2.68	123.37	115.78
14	B5	1826	CLA	C2C-C1C-NC	2.68	112.49	109.97
14	B6	828	CLA	CHD-C1D-ND	-2.68	121.99	124.45
14	A5	822	CLA	CHD-C1D-ND	-2.68	121.99	124.45
14	A4	839	CLA	CHD-C4C-C3C	-2.68	120.90	124.84
16	L5	207	BCR	C36-C18-C19	2.68	122.30	118.08
16	M6	1202	BCR	C37-C22-C23	2.68	122.30	118.08
14	A3	825	CLA	C3C-C4C-NC	2.68	113.58	110.57
14	B4	815	CLA	C3D-C2D-C1D	-2.68	102.17	105.83
14	B4	831	CLA	CMB-C2B-C1B	-2.68	124.34	128.46
14	A5	817	CLA	CHD-C4C-C3C	-2.68	120.90	124.84
14	B5	1821	CLA	CMD-C2D-C1D	2.68	129.44	124.71
16	A1	844	BCR	C38-C26-C25	2.68	127.54	124.53
14	B2	823	CLA	CMD-C2D-C1D	2.68	129.44	124.71
14	A1	836	CLA	C3C-C4C-NC	2.68	113.58	110.57
14	B5	1806	CLA	CHD-C1D-ND	-2.68	121.99	124.45
14	A2	1633	CLA	O2A-CGA-CBA	2.68	120.32	111.91
16	A2	1652	BCR	C36-C18-C17	-2.68	119.17	122.92
16	A5	847	BCR	C38-C26-C25	2.68	127.54	124.53
14	B2	801	CLA	C3C-C4C-NC	2.68	113.58	110.57
14	A5	821	CLA	O2D-CGD-CBD	2.68	116.03	111.27
14	B5	1810	CLA	O1D-CGD-CBD	-2.68	119.00	124.48
14	A1	816	CLA	O2A-CGA-CBA	2.68	120.31	111.91
14	L4	203	CLA	C3D-C2D-C1D	-2.68	102.17	105.83
14	A6	1635	CLA	CHD-C4C-C3C	-2.68	120.90	124.84
14	A2	1624	CLA	C2C-C1C-NC	2.68	112.48	109.97
14	A1	816	CLA	CHD-C4C-C3C	-2.68	120.90	124.84
14	A2	1634	CLA	CMD-C2D-C1D	2.68	129.43	124.71
14	B3	1826	CLA	CED-O2D-CGD	2.68	121.99	115.94
14	B2	811	CLA	C1D-ND-C4D	-2.68	104.43	106.33
14	B3	1824	CLA	C2D-C1D-ND	2.68	112.08	110.10
14	B3	1802	CLA	C3B-C4B-NB	2.68	112.67	109.21
14	B4	804	CLA	O2D-CGD-O1D	-2.68	118.60	123.84
14	B4	808	CLA	C4-C3-C5	2.68	119.77	115.27
14	B3	1812	CLA	C3C-C4C-NC	2.68	113.57	110.57
14	A6	1636	CLA	O2A-CGA-O1A	-2.68	116.84	123.59
14	B2	830	CLA	O2A-CGA-CBA	2.68	120.31	111.91
16	L1	209	BCR	C38-C26-C25	2.68	127.53	124.53
14	B5	1831	CLA	O2A-CGA-CBA	2.68	120.31	111.91
16	A5	849	BCR	C2-C1-C6	2.68	114.60	110.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B5	1817	CLA	C3D-C2D-C1D	-2.68	102.18	105.83
14	L6	202	CLA	O2A-CGA-CBA	2.68	120.30	111.91
14	A3	820	CLA	C2C-C1C-NC	2.68	112.48	109.97
16	A6	1652	BCR	C29-C30-C25	2.67	114.60	110.48
14	B4	813	CLA	C3C-C4C-NC	2.67	113.57	110.57
14	B6	828	CLA	C3C-C4C-NC	2.67	113.57	110.57
16	B3	1847	BCR	C1-C6-C5	-2.67	118.85	122.61
14	B2	828	CLA	CMB-C2B-C1B	-2.67	124.35	128.46
16	A6	1645	BCR	C37-C22-C23	2.67	122.29	118.08
14	B2	812	CLA	CAC-C3C-C4C	2.67	128.28	124.81
14	B1	828	CLA	C3D-C2D-C1D	-2.67	102.18	105.83
14	B4	843	CLA	O2A-CGA-CBA	2.67	120.30	111.91
16	J1	103	BCR	C32-C1-C6	2.67	114.63	110.30
16	B3	1845	BCR	C38-C26-C27	-2.67	108.48	113.62
14	A2	1635	CLA	C3B-C4B-NB	2.67	112.67	109.21
14	B1	812	CLA	C3C-C4C-NC	2.67	113.57	110.57
14	A3	808	CLA	C2C-C1C-NC	2.67	112.47	109.97
14	B2	804	CLA	CMB-C2B-C3B	2.67	129.68	124.68
14	A5	839	CLA	CHD-C4C-C3C	-2.67	120.91	124.84
14	A2	1629	CLA	C2C-C1C-NC	2.67	112.47	109.97
14	A6	1633	CLA	CHD-C4C-C3C	-2.67	120.92	124.84
14	B3	1810	CLA	O2A-CGA-O1A	-2.67	116.85	123.59
14	A5	838	CLA	C3D-C4D-ND	2.67	114.56	110.24
14	A2	1601	CLA	O2A-CGA-CBA	2.67	122.61	114.03
14	A5	842	CLA	CAC-C3C-C4C	2.67	128.27	124.81
14	B4	839	CLA	C3C-C4C-NC	2.67	113.56	110.57
16	L2	203	BCR	C19-C18-C17	-2.67	114.84	118.94
14	A4	802	CLA	CAC-C3C-C4C	2.67	128.27	124.81
14	B6	806	CLA	C3C-C4C-NC	2.67	113.56	110.57
14	A5	839	CLA	CED-O2D-CGD	2.67	121.97	115.94
14	B6	831	CLA	C2C-C1C-NC	2.67	112.47	109.97
14	A3	831	CLA	CHD-C1D-ND	-2.67	122.00	124.45
14	B4	829	CLA	CHD-C1D-ND	-2.67	122.00	124.45
14	B5	1820	CLA	CHD-C1D-ND	-2.67	122.00	124.45
16	I3	102	BCR	C33-C5-C4	-2.67	108.49	113.62
14	L5	205	CLA	C3D-C4D-ND	2.67	114.55	110.24
14	B1	814	CLA	CAC-C3C-C4C	2.67	128.27	124.81
14	A6	1619	CLA	CHD-C1D-ND	-2.67	122.00	124.45
16	B4	845	BCR	C37-C22-C23	2.67	122.28	118.08
16	A5	850	BCR	C23-C22-C21	-2.67	114.85	118.94
14	A2	1641	CLA	CHD-C4C-C3C	-2.67	120.92	124.84
14	L5	202	CLA	O2A-CGA-CBA	2.67	122.59	114.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	L3	202	CLA	CED-O2D-CGD	2.67	121.97	115.94
14	B2	836	CLA	CHD-C4C-C3C	-2.67	120.92	124.84
14	A5	842	CLA	O2A-CGA-O1A	-2.67	116.86	123.59
14	B4	831	CLA	O2A-CGA-CBA	2.67	120.27	111.91
14	A6	1635	CLA	C3C-C4C-NC	2.67	113.56	110.57
14	A1	814	CLA	C2D-C1D-ND	2.67	112.07	110.10
14	B1	831	CLA	CHD-C1D-ND	-2.66	122.00	124.45
14	A5	840	CLA	CHD-C4C-C3C	-2.66	120.92	124.84
14	A1	804	CLA	C1D-ND-C4D	-2.66	104.44	106.33
14	J4	101	CLA	C3C-C4C-NC	2.66	113.56	110.57
14	A3	834	CLA	CHD-C4C-C3C	-2.66	120.92	124.84
14	A3	840	CLA	CHD-C4C-C3C	-2.66	120.92	124.84
14	L5	204	CLA	CHD-C4C-C3C	-2.66	120.92	124.84
16	I2	101	BCR	C29-C30-C25	2.66	114.58	110.48
14	B2	817	CLA	CHD-C1D-ND	-2.66	122.01	124.45
14	B3	1830	CLA	C2D-C1D-ND	2.66	112.07	110.10
14	B4	818	CLA	C2D-C1D-ND	2.66	112.07	110.10
16	B6	843	BCR	C38-C26-C27	-2.66	108.50	113.62
14	A6	1638	CLA	C3C-C4C-NC	2.66	113.56	110.57
14	B5	1815	CLA	CMB-C2B-C3B	2.66	129.66	124.68
14	A1	831	CLA	C3B-C4B-NB	2.66	112.65	109.21
14	B3	1842	CLA	C3D-C2D-C1D	-2.66	102.20	105.83
14	A2	1610	CLA	CMC-C2C-C1C	2.66	129.09	125.04
14	B1	808	CLA	C4-C3-C5	2.66	119.75	115.27
14	A6	1625	CLA	C3C-C4C-NC	2.66	113.56	110.57
14	A5	825	CLA	C3C-C4C-NC	2.66	113.56	110.57
14	A2	1619	CLA	O2A-CGA-CBA	2.66	120.26	111.91
14	A5	842	CLA	CHD-C1D-ND	-2.66	122.01	124.45
14	B5	1803	CLA	CMD-C2D-C1D	2.66	129.40	124.71
16	F3	203	BCR	C38-C26-C25	2.66	127.52	124.53
16	A2	1651	BCR	C2-C1-C6	2.66	114.58	110.48
14	B6	806	CLA	C1D-ND-C4D	-2.66	104.44	106.33
14	L3	202	CLA	O2A-CGA-CBA	2.66	122.58	114.03
14	A3	830	CLA	CHD-C4C-C3C	-2.66	120.93	124.84
14	B3	1812	CLA	C1C-C2C-C3C	-2.66	104.16	106.96
14	A3	837	CLA	CHD-C4C-C3C	-2.66	120.93	124.84
14	A2	1638	CLA	C3D-C2D-C1D	-2.66	102.20	105.83
14	B3	1825	CLA	C3C-C4C-NC	2.66	113.55	110.57
14	B6	811	CLA	C3C-C4C-NC	2.66	113.55	110.57
14	A3	822	CLA	C2C-C1C-NC	2.66	112.46	109.97
14	A4	831	CLA	O2A-CGA-CBA	2.66	120.25	111.91
16	I1	102	BCR	C29-C30-C25	2.66	114.57	110.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	M1	1201	CLA	CHD-C1D-ND	-2.66	122.01	124.45
16	I1	103	BCR	C36-C18-C19	2.66	122.26	118.08
14	B5	1802	CLA	CED-O2D-CGD	2.66	121.95	115.94
14	B6	840	CLA	C3D-C2D-C1D	-2.66	102.21	105.83
14	B3	1803	CLA	CED-O2D-CGD	2.66	121.94	115.94
14	B2	820	CLA	C2C-C1C-NC	2.66	112.46	109.97
14	A5	808	CLA	C3D-C2D-C1D	-2.66	102.21	105.83
14	A6	1638	CLA	O2A-CGA-O1A	-2.66	116.89	123.59
14	A4	831	CLA	C1D-ND-C4D	-2.65	104.45	106.33
14	A4	825	CLA	C3D-C2D-C1D	-2.65	102.21	105.83
14	B6	841	CLA	O2A-CGA-CBA	2.65	120.24	111.91
16	B2	842	BCR	C1-C6-C5	-2.65	118.88	122.61
14	B1	830	CLA	CMB-C2B-C1B	-2.65	124.39	128.46
16	A2	1647	BCR	C37-C22-C23	2.65	122.26	118.08
14	B4	843	CLA	CHD-C1D-ND	-2.65	122.02	124.45
14	A1	801	CLA	CMC-C2C-C1C	2.65	129.08	125.04
14	A3	836	CLA	C3C-C4C-NC	2.65	113.55	110.57
14	A3	839	CLA	C3C-C4C-NC	2.65	113.55	110.57
14	B6	827	CLA	C3D-C2D-C1D	-2.65	102.21	105.83
14	A2	1636	CLA	O2A-CGA-CBA	2.65	120.23	111.91
14	B6	803	CLA	CHD-C4C-C3C	-2.65	120.94	124.84
14	A1	816	CLA	CHD-C1D-ND	-2.65	122.02	124.45
14	A3	809	CLA	C3C-C4C-NC	2.65	113.55	110.57
14	A4	803	CLA	C3C-C4C-NC	2.65	113.55	110.57
14	A5	808	CLA	C2C-C1C-NC	2.65	112.46	109.97
14	A5	843	CLA	C2C-C1C-NC	2.65	112.46	109.97
14	A6	1622	CLA	C2D-C1D-ND	2.65	112.06	110.10
14	A5	826	CLA	C3D-C2D-C1D	-2.65	102.21	105.83
14	B2	801	CLA	C7-C6-C5	-2.65	106.16	113.36
14	B5	1804	CLA	C1D-ND-C4D	-2.65	104.45	106.33
14	B4	842	CLA	O2D-CGD-CBD	2.65	115.98	111.27
16	M6	1202	BCR	C38-C26-C25	2.65	127.50	124.53
14	A3	831	CLA	C2C-C1C-NC	2.65	112.45	109.97
16	L6	204	BCR	C33-C5-C4	-2.65	108.53	113.62
14	L4	203	CLA	CHD-C4C-C3C	-2.65	120.95	124.84
14	B6	806	CLA	C3B-C4B-NB	2.65	112.63	109.21
14	A2	1621	CLA	CED-O2D-CGD	2.65	121.93	115.94
14	B1	809	CLA	CHD-C1D-ND	-2.65	122.02	124.45
14	B3	1818	CLA	C2D-C1D-ND	2.65	112.06	110.10
14	B6	816	CLA	C2D-C1D-ND	2.65	112.06	110.10
16	A3	851	BCR	C2-C1-C6	2.65	114.56	110.48
16	B5	1846	BCR	C38-C26-C27	-2.65	108.53	113.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A3	827	CLA	C3C-C4C-NC	2.65	113.54	110.57
14	A4	810	CLA	C3C-C4C-NC	2.65	113.54	110.57
14	A2	1616	CLA	CHD-C1D-ND	-2.65	122.02	124.45
14	B4	809	CLA	CHD-C1D-ND	-2.65	122.02	124.45
14	B4	807	CLA	C1D-ND-C4D	-2.65	104.46	106.33
14	B5	1832	CLA	C1D-ND-C4D	-2.65	104.46	106.33
14	B1	807	CLA	C3B-C4B-NB	2.64	112.63	109.21
14	B5	1813	CLA	CHD-C4C-C3C	-2.64	120.95	124.84
16	A4	845	BCR	C32-C1-C6	2.64	114.59	110.30
14	A3	817	CLA	CHD-C1D-ND	-2.64	122.02	124.45
14	B3	1831	CLA	C3C-C4C-NC	2.64	113.54	110.57
14	F5	1301	CLA	C3C-C4C-NC	2.64	113.54	110.57
14	B4	842	CLA	CED-O2D-CGD	2.64	121.92	115.94
14	B3	1824	CLA	CHD-C1D-ND	-2.64	122.03	124.45
14	A4	805	CLA	CBA-CAA-C2A	2.64	121.66	113.86
16	B6	843	BCR	C30-C25-C26	-2.64	118.89	122.61
14	A4	838	CLA	C2D-C1D-ND	2.64	112.05	110.10
14	A5	832	CLA	O2A-CGA-CBA	2.64	120.20	111.91
14	A6	1636	CLA	CHD-C4C-C3C	-2.64	120.96	124.84
14	A2	1615	CLA	CHD-C1D-ND	-2.64	122.03	124.45
14	B5	1808	CLA	C1D-ND-C4D	-2.64	104.46	106.33
14	A2	1634	CLA	O2A-CGA-CBA	2.64	120.19	111.91
14	A2	1640	CLA	O2A-CGA-O1A	-2.64	116.93	123.59
14	A6	1636	CLA	CMB-C2B-C3B	2.64	129.62	124.68
14	A3	814	CLA	CHD-C1D-ND	-2.64	122.03	124.45
14	B3	1804	CLA	CHD-C4C-C3C	-2.64	120.96	124.84
14	A2	1631	CLA	CMB-C2B-C1B	-2.64	124.41	128.46
14	B3	1843	CLA	O2A-CGA-CBA	2.64	120.19	111.91
16	L3	201	BCR	C38-C26-C25	2.64	127.49	124.53
14	A5	805	CLA	C1D-ND-C4D	-2.64	104.46	106.33
16	M3	1602	BCR	C1-C6-C5	-2.64	118.90	122.61
14	A1	836	CLA	C2D-C1D-ND	2.64	112.05	110.10
14	A2	1640	CLA	C2D-C1D-ND	2.64	112.05	110.10
14	A5	806	CLA	CBA-CAA-C2A	2.64	121.65	113.86
14	B4	833	CLA	O2A-CGA-CBA	2.64	120.19	111.91
14	L5	205	CLA	O2A-CGA-CBA	2.64	120.19	111.91
14	A4	814	CLA	CHD-C1D-ND	-2.64	122.03	124.45
14	A6	1610	CLA	CHD-C1D-ND	-2.64	122.03	124.45
14	B5	1840	CLA	CHD-C1D-ND	-2.64	122.03	124.45
14	B2	813	CLA	O2A-CGA-CBA	2.64	120.19	111.91
14	B4	807	CLA	C3C-C4C-NC	2.64	113.53	110.57
14	A6	1615	CLA	CMB-C2B-C3B	2.64	129.61	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	I4	102	BCR	C19-C18-C17	-2.64	114.89	118.94
14	B5	1818	CLA	CHD-C1D-ND	-2.64	122.03	124.45
14	L5	204	CLA	CHD-C1D-ND	-2.64	122.03	124.45
14	B6	803	CLA	O2D-CGD-CBD	2.64	115.95	111.27
14	L3	204	CLA	C3D-C4D-ND	2.64	114.50	110.24
14	A2	1615	CLA	CED-O2D-CGD	2.64	121.90	115.94
16	F3	201	BCR	C34-C9-C8	2.64	122.23	118.08
14	L2	202	CLA	C3C-C4C-NC	2.64	113.53	110.57
14	B1	818	CLA	CHD-C1D-ND	-2.64	122.03	124.45
14	B1	834	CLA	C2D-C1D-ND	2.64	112.05	110.10
14	L3	204	CLA	O2A-CGA-CBA	2.64	120.18	111.91
16	M3	1602	BCR	C37-C22-C23	2.64	122.23	118.08
14	A2	1602	CLA	CGD-CBD-CAD	2.64	119.27	110.73
14	B1	839	CLA	CHD-C1D-ND	-2.64	122.03	124.45
14	A1	815	CLA	C2D-C1D-ND	2.64	112.05	110.10
14	B6	822	CLA	C2D-C1D-ND	2.64	112.05	110.10
14	B6	832	CLA	C2D-C1D-ND	2.64	112.05	110.10
14	A4	824	CLA	C3C-C4C-NC	2.63	113.53	110.57
14	A4	834	CLA	C3C-C4C-NC	2.63	113.53	110.57
14	A5	824	CLA	O2A-CGA-CBA	2.63	120.18	111.91
14	B5	1802	CLA	CMB-C2B-C3B	2.63	129.61	124.68
14	L6	206	CLA	C3D-C2D-C1D	-2.63	102.24	105.83
14	A2	1610	CLA	C2C-C1C-NC	2.63	112.44	109.97
16	B2	850	BCR	C38-C26-C25	2.63	127.48	124.53
14	B1	812	CLA	CED-O2D-CGD	2.63	121.89	115.94
14	A5	842	CLA	CMC-C2C-C1C	2.63	129.05	125.04
14	B2	805	CLA	C4-C3-C5	2.63	119.70	115.27
14	B1	841	CLA	O2A-CGA-CBA	2.63	120.17	111.91
14	B2	810	CLA	CED-O2D-CGD	2.63	121.89	115.94
14	A1	819	CLA	C2C-C1C-NC	2.63	112.44	109.97
14	B6	821	CLA	C2C-C1C-NC	2.63	112.44	109.97
14	A5	820	CLA	C2C-C1C-NC	2.63	112.44	109.97
14	A6	1624	CLA	CAC-C3C-C4C	2.63	128.22	124.81
14	B1	832	CLA	O2A-CGA-CBA	2.63	120.17	111.91
14	A2	1609	CLA	CED-O2D-CGD	2.63	121.89	115.94
14	A6	1602	CLA	C4A-NA-C1A	2.63	107.89	106.71
16	A2	1648	BCR	C32-C1-C6	2.63	114.57	110.30
14	B1	832	CLA	CHD-C1D-ND	-2.63	122.04	124.45
14	B1	839	CLA	CED-O2D-CGD	2.63	121.89	115.94
14	L4	205	CLA	O2A-CGA-CBA	2.63	120.16	111.91
14	B3	1830	CLA	C3C-C4C-NC	2.63	113.52	110.57
14	A6	1609	CLA	C3C-C4C-NC	2.63	113.52	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A1	823	CLA	O2A-CGA-CBA	2.63	120.16	111.91
14	A2	1619	CLA	CED-O2D-CGD	2.63	121.89	115.94
14	B3	1820	CLA	CHD-C1D-ND	-2.63	122.04	124.45
14	B3	1834	CLA	C2D-C1D-ND	2.63	112.04	110.10
14	B3	1810	CLA	O1D-CGD-CBD	-2.63	119.10	124.48
14	B3	1816	CLA	O2A-CGA-CBA	2.63	120.16	111.91
14	A5	832	CLA	CED-O2D-CGD	2.63	121.88	115.94
14	A2	1644	CLA	C4A-NA-C1A	2.63	107.89	106.71
14	B2	823	CLA	C4A-NA-C1A	2.63	107.89	106.71
14	B6	808	CLA	CHD-C4C-C3C	-2.63	120.98	124.84
14	A1	839	CLA	CMC-C2C-C1C	2.63	129.04	125.04
14	B5	1801	CLA	C3D-C2D-C1D	-2.63	102.24	105.83
14	A1	820	CLA	C11-C10-C8	2.63	124.42	115.92
14	L6	203	CLA	C4-C3-C5	2.63	119.69	115.27
14	B2	807	CLA	O2A-CGA-O1A	-2.63	116.96	123.59
14	A4	825	CLA	C3D-C4D-ND	2.63	114.49	110.24
16	B6	845	BCR	C1-C6-C5	-2.63	118.91	122.61
14	A3	837	CLA	CMB-C2B-C3B	2.63	129.59	124.68
14	L6	203	CLA	CAC-C3C-C4C	2.63	128.22	124.81
14	A3	834	CLA	C2D-C1D-ND	2.63	112.04	110.10
14	B1	813	CLA	O2A-CGA-CBA	2.63	122.47	114.03
14	A3	828	CLA	CHD-C4C-C3C	-2.63	120.98	124.84
14	B4	833	CLA	CHD-C4C-C3C	-2.63	120.98	124.84
14	B6	823	CLA	C3C-C4C-NC	2.63	113.52	110.57
14	A1	838	CLA	O2A-C1-C2	2.63	115.53	108.64
14	B2	814	CLA	C3D-C2D-C1D	-2.62	102.25	105.83
14	A2	1637	CLA	CHD-C1D-ND	-2.62	122.04	124.45
14	A4	853	CLA	O2A-CGA-CBA	2.62	122.46	114.03
16	F1	1302	BCR	C33-C5-C6	2.62	127.47	124.53
14	B6	831	CLA	O2A-CGA-CBA	2.62	120.14	111.91
14	A3	840	CLA	O2D-CGD-CBD	2.62	115.93	111.27
14	A4	838	CLA	O2D-CGD-CBD	2.62	115.93	111.27
14	A6	1607	CLA	CHD-C4C-C3C	-2.62	120.98	124.84
14	B5	1833	CLA	CHD-C4C-C3C	-2.62	120.98	124.84
14	B4	837	CLA	O2D-CGD-CBD	2.62	115.93	111.27
14	B2	839	CLA	CAC-C3C-C4C	2.62	128.21	124.81
14	A5	803	CLA	CAC-C3C-C4C	2.62	128.21	124.81
14	B3	1807	CLA	CHD-C4C-C3C	-2.62	120.98	124.84
14	B2	809	CLA	C1C-C2C-C3C	-2.62	104.20	106.96
14	B2	837	CLA	CHD-C1D-ND	-2.62	122.04	124.45
14	B2	811	CLA	O2A-CGA-CBA	2.62	122.45	114.03
16	J5	104	BCR	C32-C1-C6	2.62	114.55	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A6	1627	CLA	C2C-C1C-NC	2.62	112.43	109.97
14	B6	817	CLA	CHD-C1D-ND	-2.62	122.05	124.45
14	A4	816	CLA	CHD-C4C-C3C	-2.62	120.99	124.84
14	A2	1609	CLA	C3D-C2D-C1D	-2.62	102.25	105.83
14	B3	1830	CLA	O2A-C1-C2	2.62	115.52	108.64
14	A6	1624	CLA	O2A-CGA-CBA	2.62	120.13	111.91
14	A3	845	CLA	C2C-C1C-NC	2.62	112.43	109.97
14	F6	202	CLA	C2D-C1D-ND	2.62	112.03	110.10
14	B3	1805	CLA	C3D-C4D-ND	2.62	114.48	110.24
14	A6	1608	CLA	C2C-C1C-NC	2.62	112.43	109.97
14	B6	818	CLA	CHD-C1D-ND	-2.62	122.05	124.45
14	A6	1607	CLA	CED-O2D-CGD	2.62	121.86	115.94
14	A6	1651	CLA	CHD-C4C-C3C	-2.62	120.99	124.84
16	A6	1647	BCR	C2-C1-C6	2.62	114.51	110.48
14	B4	818	CLA	CHD-C1D-ND	-2.62	122.05	124.45
14	B4	833	CLA	CHD-C1D-ND	-2.62	122.05	124.45
14	B4	833	CLA	C3C-C4C-NC	2.62	113.51	110.57
14	A2	1617	CLA	CMB-C2B-C3B	2.62	129.58	124.68
14	L5	202	CLA	CED-O2D-CGD	2.62	121.86	115.94
14	B1	813	CLA	C1D-ND-C4D	-2.62	104.48	106.33
14	A5	801	CLA	CMC-C2C-C1C	2.62	129.02	125.04
14	A6	1622	CLA	C2C-C1C-NC	2.62	112.42	109.97
14	A5	814	CLA	CHD-C1D-ND	-2.62	122.05	124.45
14	B1	802	CLA	C1-O2A-CGA	2.62	123.31	116.44
14	A6	1603	CLA	CED-O2D-CGD	2.62	121.85	115.94
14	B6	828	CLA	O2A-C1-C2	2.62	115.51	108.64
14	B5	1839	CLA	C1D-ND-C4D	-2.62	104.48	106.33
14	B3	1842	CLA	O2D-CGD-CBD	2.62	115.92	111.27
14	A1	831	CLA	CHD-C1D-ND	-2.61	122.05	124.45
14	B2	830	CLA	CHD-C1D-ND	-2.61	122.05	124.45
14	L2	205	CLA	CHD-C1D-ND	-2.61	122.05	124.45
14	A6	1608	CLA	C3D-C2D-C1D	-2.61	102.26	105.83
14	A5	839	CLA	C3C-C4C-NC	2.61	113.50	110.57
14	A2	1626	CLA	O2A-CGA-CBA	2.61	120.11	111.91
14	A2	1605	CLA	CAC-C3C-C4C	2.61	128.20	124.81
14	B6	840	CLA	CAC-C3C-C4C	2.61	128.20	124.81
14	A5	833	CLA	CHD-C1D-ND	-2.61	122.05	124.45
14	B5	1840	CLA	CED-O2D-CGD	2.61	121.85	115.94
14	B6	810	CLA	C1C-C2C-C3C	-2.61	104.21	106.96
14	B3	1831	CLA	O2A-CGA-CBA	2.61	120.11	111.91
14	F3	202	CLA	CED-O2D-CGD	2.61	121.85	115.94
14	A1	828	CLA	CHD-C4C-C3C	-2.61	121.00	124.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B5	1824	CLA	C2D-C1D-ND	2.61	112.03	110.10
14	A3	808	CLA	CMC-C2C-C1C	2.61	129.02	125.04
16	L3	206	BCR	C33-C5-C4	-2.61	108.60	113.62
14	A4	804	CLA	C3D-C4D-ND	2.61	114.46	110.24
16	F3	203	BCR	C33-C5-C6	2.61	127.46	124.53
14	A3	836	CLA	CHD-C4C-C3C	-2.61	121.00	124.84
14	B1	804	CLA	C7-C6-C5	-2.61	106.27	113.36
14	B2	802	CLA	O2D-CGD-O1D	-2.61	118.73	123.84
14	A3	843	CLA	O2A-CGA-O1A	-2.61	117.00	123.59
14	A4	801	CLA	CMC-C2C-C1C	2.61	129.02	125.04
14	B6	835	CLA	CED-O2D-CGD	2.61	121.84	115.94
16	I1	103	BCR	C33-C5-C4	-2.61	108.60	113.62
14	B6	814	CLA	O2A-CGA-CBA	2.61	120.10	111.91
14	A3	810	CLA	C3C-C4C-NC	2.61	113.50	110.57
14	B4	812	CLA	C1C-C2C-C3C	-2.61	104.21	106.96
14	L4	204	CLA	C3D-C4D-ND	2.61	114.46	110.24
14	B3	1807	CLA	C3D-C2D-C1D	-2.61	102.27	105.83
14	A4	831	CLA	CMD-C2D-C1D	2.61	129.31	124.71
16	A6	1645	BCR	C1-C6-C7	2.61	123.16	115.78
14	B4	814	CLA	O2A-CGA-CBA	2.61	122.42	114.03
14	A5	812	CLA	CMD-C2D-C1D	2.61	129.31	124.71
16	B1	843	BCR	C30-C25-C26	-2.61	118.94	122.61
14	A2	1637	CLA	C2D-C1D-ND	2.61	112.03	110.10
14	A1	822	CLA	C4A-NA-C1A	2.61	107.88	106.71
14	B4	803	CLA	O2D-CGD-CBD	2.61	115.90	111.27
16	A4	844	BCR	C1-C6-C5	-2.61	118.94	122.61
14	A5	836	CLA	C1D-ND-C4D	-2.61	104.48	106.33
14	B1	812	CLA	CHD-C4C-C3C	-2.61	121.01	124.84
14	B5	1829	CLA	CHD-C1D-ND	-2.61	122.06	124.45
14	B1	816	CLA	C3D-C2D-C1D	-2.61	102.27	105.83
16	L6	204	BCR	C36-C18-C19	2.61	122.19	118.08
16	L2	208	BCR	C33-C5-C4	-2.61	108.61	113.62
14	X6	1701	CLA	C3C-C4C-NC	2.61	113.50	110.57
14	A4	837	CLA	CHD-C1D-ND	-2.61	122.06	124.45
14	B6	812	CLA	C1D-ND-C4D	-2.61	104.48	106.33
17	A5	852	LHG	C6-C5-C4	-2.61	105.62	111.79
14	A4	820	CLA	O2D-CGD-CBD	2.61	115.90	111.27
14	A1	807	CLA	C3D-C2D-C1D	-2.61	102.27	105.83
14	A6	1635	CLA	C3D-C2D-C1D	-2.61	102.28	105.83
14	B4	804	CLA	C1D-ND-C4D	-2.61	104.48	106.33
14	A6	1608	CLA	CMC-C2C-C1C	2.61	129.01	125.04
16	A2	1647	BCR	C1-C6-C5	-2.61	118.94	122.61

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B1	840	CLA	CHD-C1D-ND	-2.61	122.06	124.45
16	M1	1202	BCR	C37-C22-C23	2.60	122.18	118.08
16	J5	103	BCR	C30-C25-C26	-2.60	118.94	122.61
14	B5	1831	CLA	C3B-C4B-NB	2.60	112.58	109.21
14	A1	806	CLA	C3D-C2D-C1D	-2.60	102.28	105.83
14	B1	831	CLA	C1D-ND-C4D	-2.60	104.48	106.33
16	J4	104	BCR	C32-C1-C6	2.60	114.52	110.30
14	A1	806	CLA	CED-O2D-CGD	2.60	121.83	115.94
14	B5	1823	CLA	CED-O2D-CGD	2.60	121.83	115.94
14	B2	822	CLA	C2D-C1D-ND	2.60	112.02	110.10
14	L6	202	CLA	CMB-C2B-C3B	2.60	129.55	124.68
14	B1	854	CLA	C1C-C2C-C3C	-2.60	104.22	106.96
14	A2	1604	CLA	C1-O2A-CGA	2.60	123.28	116.44
14	B3	1808	CLA	C4-C3-C5	2.60	119.65	115.27
14	A1	826	CLA	C2C-C1C-NC	2.60	112.41	109.97
14	A4	806	CLA	CED-O2D-CGD	2.60	121.82	115.94
14	B1	827	CLA	CHD-C4C-C3C	-2.60	121.02	124.84
14	B1	801	CLA	CHD-C1D-ND	-2.60	122.06	124.45
14	B1	803	CLA	CHD-C1D-ND	-2.60	122.06	124.45
14	B3	1819	CLA	CHD-C1D-ND	-2.60	122.06	124.45
14	B5	1807	CLA	CMB-C2B-C3B	2.60	129.54	124.68
14	B2	804	CLA	C3B-C4B-NB	2.60	112.57	109.21
14	B4	838	CLA	C3C-C4C-NC	2.60	113.49	110.57
14	A5	817	CLA	O2A-CGA-CBA	2.60	120.07	111.91
14	L6	203	CLA	CHD-C4C-C3C	-2.60	121.02	124.84
14	A1	812	CLA	CAC-C3C-C4C	2.60	128.18	124.81
16	J3	103	BCR	C37-C22-C23	2.60	122.17	118.08
14	B4	814	CLA	C1D-ND-C4D	-2.60	104.49	106.33
14	A3	833	CLA	C2D-C1D-ND	2.60	112.02	110.10
14	A4	805	CLA	O2D-CGD-CBD	2.60	115.89	111.27
14	L1	201	CLA	O2A-CGA-CBA	2.60	120.07	111.91
14	B4	806	CLA	CHD-C4C-C3C	-2.60	121.02	124.84
14	B5	1813	CLA	C3C-C4C-NC	2.60	113.49	110.57
14	A6	1628	CLA	C3D-C2D-C1D	-2.60	102.28	105.83
14	A5	827	CLA	C3D-C2D-C1D	-2.60	102.28	105.83
14	B4	816	CLA	O2A-CGA-CBA	2.60	120.06	111.91
14	A3	843	CLA	C4-C3-C5	2.60	119.64	115.27
14	B2	840	CLA	CHD-C4C-C3C	-2.60	121.02	124.84
14	B3	1812	CLA	C2D-C1D-ND	2.60	112.02	110.10
14	B5	1841	CLA	C3D-C4D-ND	2.60	114.44	110.24
14	B3	1801	CLA	C3D-C2D-C1D	-2.60	102.28	105.83
14	B4	839	CLA	CMD-C2D-C1D	2.60	129.29	124.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B1	823	CLA	CMB-C2B-C3B	2.60	129.54	124.68
14	B2	828	CLA	C4A-NA-C1A	2.60	107.87	106.71
14	A4	801	CLA	C4A-NA-C1A	2.60	107.87	106.71
14	A5	823	CLA	C3C-C4C-NC	2.60	113.48	110.57
14	B4	842	CLA	CAC-C3C-C4C	2.60	128.18	124.81
14	B5	1833	CLA	O2A-CGA-CBA	2.60	120.06	111.91
14	B1	830	CLA	C3C-C4C-NC	2.60	113.48	110.57
14	A5	838	CLA	C3C-C4C-NC	2.60	113.48	110.57
14	B1	807	CLA	CMB-C2B-C3B	2.60	129.54	124.68
14	A3	821	CLA	O2D-CGD-CBD	2.60	115.88	111.27
14	B2	804	CLA	CHD-C4C-C3C	-2.60	121.03	124.84
14	B2	827	CLA	O2A-C1-C2	2.60	115.46	108.64
14	B4	802	CLA	C3B-C4B-NB	2.60	112.56	109.21
14	A2	1625	CLA	C3C-C4C-NC	2.59	113.48	110.57
14	A6	1635	CLA	CHD-C1D-ND	-2.59	122.07	124.45
14	A6	1604	CLA	O1D-CGD-CBD	-2.59	119.18	124.48
17	A6	1650	LHG	C25-C24-C23	2.59	126.70	114.15
16	L2	203	BCR	C33-C5-C4	-2.59	108.63	113.62
14	B6	811	CLA	CHD-C4C-C3C	-2.59	121.03	124.84
16	F6	201	BCR	C33-C5-C4	-2.59	108.63	113.62
16	I3	101	BCR	C29-C30-C25	2.59	114.47	110.48
14	A4	822	CLA	C3C-C4C-NC	2.59	113.48	110.57
14	B6	810	CLA	C3C-C4C-NC	2.59	113.48	110.57
14	A1	805	CLA	O2A-CGA-O1A	-2.59	117.05	123.59
14	A3	829	CLA	CMB-C2B-C1B	-2.59	124.48	128.46
16	J2	102	BCR	C32-C1-C6	2.59	114.50	110.30
14	A2	1628	CLA	C3D-C2D-C1D	-2.59	102.29	105.83
14	M1	1201	CLA	C2D-C1D-ND	2.59	112.01	110.10
14	A4	819	CLA	C2C-C1C-NC	2.59	112.40	109.97
14	A3	801	CLA	CHD-C4C-C3C	-2.59	121.03	124.84
14	L5	203	CLA	O1D-CGD-CBD	-2.59	119.18	124.48
14	M2	1201	CLA	CHD-C4C-C3C	-2.59	121.03	124.84
14	A4	823	CLA	O2A-CGA-CBA	2.59	120.04	111.91
14	A2	1613	CLA	C3C-C4C-NC	2.59	113.48	110.57
14	B4	802	CLA	C1-O2A-CGA	2.59	123.24	116.44
14	A1	809	CLA	CHD-C4C-C3C	-2.59	121.03	124.84
14	B5	1841	CLA	CHD-C1D-ND	-2.59	122.07	124.45
14	B5	1827	CLA	O1D-CGD-CBD	-2.59	119.19	124.48
16	B1	848	BCR	C33-C5-C4	-2.59	108.64	113.62
14	A5	833	CLA	C3B-C4B-NB	2.59	112.56	109.21
16	A3	847	BCR	C1-C6-C5	-2.59	118.97	122.61
14	B2	821	CLA	CMB-C2B-C3B	2.59	129.52	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B3	1802	CLA	CBC-CAC-C3C	-2.59	105.29	112.43
14	A5	829	CLA	CMB-C2B-C1B	-2.59	124.48	128.46
14	A1	814	CLA	CMB-C2B-C3B	2.59	129.52	124.68
14	A6	1603	CLA	C3B-C4B-NB	2.59	112.56	109.21
14	A4	841	CLA	C3D-C2D-C1D	-2.59	102.30	105.83
14	A5	842	CLA	C3D-C2D-C1D	-2.59	102.30	105.83
16	B4	849	BCR	C36-C18-C19	2.59	122.16	118.08
14	A3	813	CLA	CAC-C3C-C4C	2.59	128.17	124.81
16	A3	849	BCR	C38-C26-C25	2.59	127.44	124.53
14	B6	803	CLA	CHD-C1D-ND	-2.59	122.08	124.45
14	A6	1628	CLA	CHD-C4C-C3C	-2.59	121.03	124.84
14	A1	807	CLA	CMC-C2C-C1C	2.59	128.98	125.04
16	F3	201	BCR	C33-C5-C4	-2.59	108.64	113.62
14	B3	1837	CLA	O2D-CGD-CBD	2.59	115.87	111.27
16	B4	848	BCR	C40-C30-C25	2.59	114.50	110.30
16	A4	845	BCR	C1-C6-C5	-2.59	118.97	122.61
14	B4	821	CLA	CMD-C2D-C1D	2.59	129.27	124.71
14	B1	830	CLA	O2A-CGA-CBA	2.59	120.03	111.91
14	B4	824	CLA	CMB-C2B-C3B	2.59	129.52	124.68
14	A5	833	CLA	C3C-C4C-NC	2.59	113.47	110.57
14	A4	834	CLA	CHD-C4C-C3C	-2.59	121.04	124.84
14	A1	814	CLA	CHD-C1D-ND	-2.59	122.08	124.45
14	B1	829	CLA	CHD-C1D-ND	-2.59	122.08	124.45
14	A2	1603	CLA	CHD-C1D-ND	-2.59	122.08	124.45
14	A6	1611	CLA	CHD-C1D-ND	-2.59	122.08	124.45
14	A4	813	CLA	CED-O2D-CGD	2.59	121.79	115.94
14	A3	808	CLA	C3D-C2D-C1D	-2.59	102.30	105.83
14	A5	813	CLA	C3D-C2D-C1D	-2.59	102.30	105.83
14	A5	843	CLA	C3D-C2D-C1D	-2.59	102.30	105.83
17	A3	854	LHG	C25-C24-C23	2.59	126.66	114.15
14	A6	1630	CLA	CHD-C4C-C3C	-2.59	121.04	124.84
14	A5	835	CLA	CHD-C4C-C3C	-2.59	121.04	124.84
14	A1	820	CLA	O2D-CGD-CBD	2.58	115.86	111.27
14	B6	806	CLA	CHD-C4C-C3C	-2.58	121.04	124.84
14	B2	836	CLA	C1D-ND-C4D	-2.58	104.50	106.33
14	A1	837	CLA	CHD-C4C-C3C	-2.58	121.04	124.84
14	B5	1834	CLA	C2D-C1D-ND	2.58	112.01	110.10
14	B3	1807	CLA	C3C-C4C-NC	2.58	113.47	110.57
16	L4	206	BCR	C33-C5-C4	-2.58	108.66	113.62
14	L2	202	CLA	C4A-NA-C1A	2.58	107.87	106.71
14	L2	206	CLA	C3D-C2D-C1D	-2.58	102.31	105.83
14	A4	810	CLA	CHD-C1D-ND	-2.58	122.08	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B5	1804	CLA	CHD-C4C-C3C	-2.58	121.05	124.84
16	B4	846	BCR	C38-C26-C27	-2.58	108.66	113.62
14	A5	840	CLA	CAC-C3C-C4C	2.58	128.16	124.81
14	A5	836	CLA	CMB-C2B-C3B	2.58	129.51	124.68
14	B6	807	CLA	C4-C3-C5	2.58	119.61	115.27
14	B4	818	CLA	C3C-C4C-NC	2.58	113.47	110.57
14	A6	1638	CLA	CHD-C1D-ND	-2.58	122.08	124.45
14	B6	837	CLA	CHD-C4C-C3C	-2.58	121.05	124.84
14	A3	845	CLA	C3D-C2D-C1D	-2.58	102.31	105.83
14	B5	1824	CLA	CED-O2D-CGD	2.58	121.77	115.94
16	A1	844	BCR	C1-C6-C7	2.58	123.08	115.78
14	A3	807	CLA	CED-O2D-CGD	2.58	121.77	115.94
14	B3	1807	CLA	CMB-C2B-C3B	2.58	129.50	124.68
16	I5	101	BCR	C29-C30-C25	2.58	114.45	110.48
14	B3	1806	CLA	C3C-C4C-NC	2.58	113.46	110.57
14	B6	815	CLA	C3D-C2D-C1D	-2.58	102.31	105.83
14	A1	810	CLA	CHD-C4C-C3C	-2.58	121.05	124.84
14	B4	826	CLA	C2C-C1C-NC	2.58	112.39	109.97
14	B5	1812	CLA	C3C-C4C-NC	2.58	113.46	110.57
14	A4	829	CLA	CHD-C4C-C3C	-2.58	121.05	124.84
16	J1	104	BCR	C36-C18-C19	2.58	122.14	118.08
16	J3	103	BCR	C33-C5-C6	2.58	127.42	124.53
14	B1	841	CLA	CHD-C4C-C3C	-2.58	121.05	124.84
14	A2	1619	CLA	CHD-C4C-C3C	-2.58	121.05	124.84
14	B3	1819	CLA	C3C-C4C-NC	2.58	113.46	110.57
14	B3	1834	CLA	C3C-C4C-NC	2.58	113.46	110.57
14	B4	806	CLA	CHD-C1D-ND	-2.58	122.09	124.45
14	A3	805	CLA	CMB-C2B-C3B	2.58	129.50	124.68
16	I3	102	BCR	C19-C18-C17	-2.58	114.99	118.94
14	A1	813	CLA	CHD-C1D-ND	-2.58	122.09	124.45
14	L5	206	CLA	CHD-C1D-ND	-2.58	122.09	124.45
14	B1	802	CLA	CMB-C2B-C3B	2.58	129.50	124.68
14	L6	208	CLA	C3D-C4D-ND	2.58	114.40	110.24
16	A5	845	BCR	C1-C6-C5	-2.58	118.99	122.61
16	A6	1645	BCR	C38-C26-C25	2.58	127.42	124.53
14	A2	1634	CLA	CMB-C2B-C3B	2.58	129.50	124.68
14	B3	1833	CLA	CHD-C4C-C3C	-2.58	121.06	124.84
14	A2	1642	CLA	CAC-C3C-C4C	2.57	128.15	124.81
14	A4	823	CLA	CAC-C3C-C4C	2.57	128.15	124.81
14	A2	1604	CLA	C3B-C4B-NB	2.57	112.54	109.21
14	A1	833	CLA	C3D-C2D-C1D	-2.57	102.32	105.83
14	B3	1809	CLA	CHD-C1D-ND	-2.57	122.09	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B3	1803	CLA	C7-C6-C5	-2.57	106.37	113.36
14	A3	811	CLA	CHD-C4C-C3C	-2.57	121.06	124.84
14	A5	830	CLA	CHD-C4C-C3C	-2.57	121.06	124.84
14	B2	815	CLA	C3C-C4C-NC	2.57	113.46	110.57
14	B6	832	CLA	C3C-C4C-NC	2.57	113.46	110.57
14	B5	1838	CLA	C3C-C4C-NC	2.57	113.46	110.57
14	A4	803	CLA	CMB-C2B-C3B	2.57	129.49	124.68
14	B3	1811	CLA	CHD-C4C-C3C	-2.57	121.06	124.84
14	B5	1810	CLA	CHD-C4C-C3C	-2.57	121.06	124.84
14	B4	805	CLA	C4A-NA-C1A	2.57	107.86	106.71
14	B3	1842	CLA	CAC-C3C-C4C	2.57	128.15	124.81
16	A5	847	BCR	C1-C6-C7	2.57	123.06	115.78
14	L4	204	CLA	C3D-C2D-C1D	-2.57	102.32	105.83
17	A1	849	LHG	C6-C5-C4	-2.57	105.70	111.79
14	A5	838	CLA	O2A-CGA-O1A	-2.57	117.10	123.59
16	B4	845	BCR	C30-C25-C26	-2.57	118.99	122.61
14	A1	812	CLA	C3C-C4C-NC	2.57	113.46	110.57
14	A4	853	CLA	C3C-C4C-NC	2.57	113.46	110.57
14	B4	825	CLA	C3C-C4C-NC	2.57	113.46	110.57
14	A3	815	CLA	CMB-C2B-C3B	2.57	129.49	124.68
14	B5	1819	CLA	CHD-C1D-ND	-2.57	122.09	124.45
14	B2	839	CLA	O2D-CGD-CBD	2.57	115.84	111.27
14	B6	806	CLA	CMB-C2B-C3B	2.57	129.49	124.68
14	A4	828	CLA	CMB-C2B-C1B	-2.57	124.51	128.46
14	A4	826	CLA	C3C-C4C-NC	2.57	113.45	110.57
14	A3	815	CLA	C2D-C1D-ND	2.57	112.00	110.10
14	B2	806	CLA	CHD-C1D-ND	-2.57	122.09	124.45
14	B2	813	CLA	CHD-C1D-ND	-2.57	122.09	124.45
14	B3	1806	CLA	CHD-C1D-ND	-2.57	122.09	124.45
14	B3	1810	CLA	CHD-C4C-C3C	-2.57	121.06	124.84
14	B4	819	CLA	CED-O2D-CGD	2.57	121.75	115.94
16	B5	1848	BCR	C40-C30-C25	2.57	114.47	110.30
16	I3	102	BCR	C36-C18-C19	2.57	122.13	118.08
14	B1	853	CLA	C2C-C1C-NC	2.57	112.38	109.97
14	B3	1839	CLA	CHD-C4C-C3C	-2.57	121.06	124.84
14	B2	840	CLA	CHD-C1D-ND	-2.57	122.09	124.45
14	A5	817	CLA	CHD-C1D-ND	-2.57	122.09	124.45
16	A1	847	BCR	C23-C22-C21	-2.57	115.00	118.94
14	B1	808	CLA	C3D-C2D-C1D	-2.57	102.32	105.83
14	B1	853	CLA	C3D-C2D-C1D	-2.57	102.32	105.83
14	L5	206	CLA	O2A-CGA-CBA	2.57	119.97	111.91
16	B5	1845	BCR	C37-C22-C23	2.57	122.12	118.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	I4	101	BCR	C29-C30-C25	2.57	114.44	110.48
14	A4	834	CLA	C3D-C2D-C1D	-2.57	102.33	105.83
14	A6	1624	CLA	C3C-C4C-NC	2.57	113.45	110.57
14	B3	1813	CLA	CHD-C4C-C3C	-2.57	121.06	124.84
14	L2	206	CLA	O2A-CGA-CBA	2.57	119.97	111.91
16	A4	846	BCR	C1-C6-C5	-2.57	119.00	122.61
14	A3	834	CLA	O2A-CGA-CBA	2.57	119.97	111.91
14	A5	827	CLA	C3C-C4C-NC	2.57	113.45	110.57
14	A1	804	CLA	CHB-C4A-NA	2.57	128.06	124.51
14	L1	206	CLA	O2A-CGA-CBA	2.57	119.97	111.91
14	A1	830	CLA	C3D-C2D-C1D	-2.57	102.33	105.83
14	L6	202	CLA	CMD-C2D-C1D	2.57	129.24	124.71
16	A5	850	BCR	C37-C22-C23	2.57	122.12	118.08
14	A6	1621	CLA	C3C-C4C-NC	2.57	113.45	110.57
14	A4	814	CLA	CMB-C2B-C3B	2.57	129.48	124.68
14	A5	820	CLA	CHD-C1D-ND	-2.57	122.09	124.45
14	B2	806	CLA	CED-O2D-CGD	2.57	121.74	115.94
14	B3	1802	CLA	CED-O2D-CGD	2.57	121.74	115.94
14	B2	826	CLA	C3D-C2D-C1D	-2.57	102.33	105.83
16	L2	203	BCR	C36-C18-C19	2.57	122.12	118.08
16	B4	850	BCR	C37-C22-C23	2.57	122.12	118.08
16	B5	1849	BCR	C36-C18-C19	2.57	122.12	118.08
14	A4	831	CLA	CMB-C2B-C3B	2.57	129.48	124.68
16	A2	1649	BCR	C1-C6-C7	2.57	123.04	115.78
14	B3	1825	CLA	CHD-C4C-C3C	-2.57	121.07	124.84
14	M1	1201	CLA	C3D-C2D-C1D	-2.57	102.33	105.83
14	B4	841	CLA	CHD-C1D-ND	-2.57	122.10	124.45
14	B5	1808	CLA	C4-C3-C5	2.57	119.59	115.27
16	B6	845	BCR	C38-C26-C25	2.57	127.41	124.53
14	B3	1837	CLA	CHD-C4C-C3C	-2.57	121.07	124.84
14	A5	831	CLA	C3D-C2D-C1D	-2.57	102.33	105.83
14	A4	830	CLA	C3D-C2D-C1D	-2.56	102.33	105.83
14	A5	833	CLA	C2D-C1D-ND	2.56	111.99	110.10
14	A6	1605	CLA	CMB-C2B-C3B	2.56	129.48	124.68
14	B5	1831	CLA	CMB-C2B-C1B	-2.56	124.52	128.46
14	B4	843	CLA	C3D-C4D-ND	2.56	114.39	110.24
14	A6	1608	CLA	CHD-C1D-ND	-2.56	122.10	124.45
14	A1	815	CLA	CHD-C4C-C3C	-2.56	121.07	124.84
14	B2	824	CLA	O1D-CGD-CBD	-2.56	119.24	124.48
14	B4	842	CLA	C3D-C2D-C1D	-2.56	102.33	105.83
14	L3	205	CLA	C3D-C4D-ND	2.56	114.38	110.24
14	B3	1813	CLA	CED-O2D-CGD	2.56	121.73	115.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A5	808	CLA	CMC-C2C-C1C	2.56	128.94	125.04
14	B5	1833	CLA	C3C-C4C-NC	2.56	113.44	110.57
16	A1	844	BCR	C1-C6-C5	-2.56	119.00	122.61
14	B4	829	CLA	C3D-C2D-C1D	-2.56	102.33	105.83
14	A3	824	CLA	O2A-CGA-CBA	2.56	119.95	111.91
14	L2	202	CLA	C2D-C1D-ND	2.56	111.99	110.10
14	A6	1636	CLA	C2D-C1D-ND	2.56	111.99	110.10
14	X3	102	CLA	C3C-C4C-NC	2.56	113.44	110.57
14	A4	841	CLA	O2A-CGA-O1A	-2.56	117.13	123.59
14	B2	807	CLA	CHD-C4C-C3C	-2.56	121.08	124.84
16	J5	103	BCR	C37-C22-C23	2.56	122.11	118.08
14	A2	1637	CLA	CED-O2D-CGD	2.56	121.73	115.94
14	A3	840	CLA	C2D-C1D-ND	2.56	111.99	110.10
17	A4	851	LHG	C6-C5-C4	-2.56	105.73	111.79
14	A2	1630	CLA	C3D-C2D-C1D	-2.56	102.34	105.83
16	L3	206	BCR	C38-C26-C25	2.56	127.40	124.53
16	A5	850	BCR	C33-C5-C6	2.56	127.40	124.53
14	A1	831	CLA	C3C-C4C-NC	2.56	113.44	110.57
14	L3	203	CLA	C3D-C2D-C1D	-2.56	102.34	105.83
14	L5	206	CLA	C3D-C4D-ND	2.56	114.38	110.24
14	A6	1633	CLA	O1D-CGD-CBD	-2.56	119.25	124.48
14	A2	1641	CLA	O2D-CGD-CBD	2.56	115.82	111.27
16	I4	101	BCR	C38-C26-C25	2.56	127.40	124.53
14	B6	802	CLA	CHD-C1D-ND	-2.56	122.10	124.45
14	B2	825	CLA	C2D-C1D-ND	2.56	111.99	110.10
14	B2	832	CLA	C2D-C1D-ND	2.56	111.99	110.10
14	A1	822	CLA	C3C-C4C-NC	2.56	113.44	110.57
14	A3	843	CLA	CHD-C4C-C3C	-2.56	121.08	124.84
14	A3	806	CLA	CED-O2D-CGD	2.56	121.72	115.94
16	L6	204	BCR	C19-C18-C17	-2.56	115.02	118.94
16	F5	1302	BCR	C38-C26-C25	2.56	127.40	124.53
14	B5	1816	CLA	CHD-C1D-ND	-2.56	122.10	124.45
14	B6	803	CLA	C3C-C4C-NC	2.56	113.44	110.57
14	B2	802	CLA	C1C-C2C-C3C	-2.56	104.27	106.96
14	A2	1632	CLA	CHD-C4C-C3C	-2.56	121.08	124.84
14	A5	835	CLA	C3D-C2D-C1D	-2.56	102.34	105.83
14	B3	1838	CLA	C2D-C1D-ND	2.56	111.99	110.10
14	A5	839	CLA	C2D-C1D-ND	2.56	111.99	110.10
14	A5	834	CLA	CED-O2D-CGD	2.56	121.72	115.94
14	A1	822	CLA	CHD-C1D-ND	-2.56	122.11	124.45
14	A5	838	CLA	CHD-C1D-ND	-2.56	122.11	124.45
16	I5	102	BCR	C33-C5-C4	-2.56	108.71	113.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B1	837	CLA	C3C-C4C-NC	2.56	113.44	110.57
14	L1	202	CLA	O2A-CGA-CBA	2.56	119.93	111.91
14	A1	804	CLA	CMB-C2B-C3B	2.55	129.46	124.68
14	B1	817	CLA	CHD-C4C-C3C	-2.55	121.09	124.84
14	B5	1823	CLA	CHD-C1D-ND	-2.55	122.11	124.45
14	A3	823	CLA	C3C-C4C-NC	2.55	113.44	110.57
14	L6	206	CLA	C4A-NA-C1A	2.55	107.85	106.71
16	B2	846	BCR	C36-C18-C19	2.55	122.10	118.08
16	B3	1847	BCR	C34-C9-C10	-2.55	119.35	122.92
14	K1	1401	CLA	CHD-C1D-ND	-2.55	122.11	124.45
14	B2	838	CLA	CHD-C1D-ND	-2.55	122.11	124.45
14	B4	801	CLA	CHD-C1D-ND	-2.55	122.11	124.45
16	B6	843	BCR	C1-C6-C5	-2.55	119.02	122.61
14	B6	811	CLA	CED-O2D-CGD	2.55	121.71	115.94
14	B2	821	CLA	C2D-C1D-ND	2.55	111.98	110.10
14	X1	1701	CLA	C3C-C4C-NC	2.55	113.43	110.57
14	A1	839	CLA	C3D-C2D-C1D	-2.55	102.35	105.83
14	A3	828	CLA	C3D-C2D-C1D	-2.55	102.35	105.83
14	A1	807	CLA	CHD-C1D-ND	-2.55	122.11	124.45
14	A6	1617	CLA	CHD-C1D-ND	-2.55	122.11	124.45
16	F4	203	BCR	C38-C26-C25	2.55	127.39	124.53
14	B6	822	CLA	CED-O2D-CGD	2.55	121.70	115.94
14	A1	834	CLA	CMB-C2B-C3B	2.55	129.45	124.68
14	I6	101	CLA	CHD-C1D-ND	-2.55	122.11	124.45
14	B6	839	CLA	C3D-C2D-C1D	-2.55	102.35	105.83
16	B6	845	BCR	C34-C9-C10	-2.55	119.35	122.92
14	A2	1622	CLA	C2C-C1C-NC	2.55	112.36	109.97
14	B5	1828	CLA	CHD-C4C-C3C	-2.55	121.09	124.84
14	A4	823	CLA	C3C-C4C-NC	2.55	113.43	110.57
14	A6	1634	CLA	CED-O2D-CGD	2.55	121.70	115.94
14	A6	1606	CLA	O2D-CGD-CBD	2.55	115.80	111.27
14	A3	824	CLA	CAC-C3C-C4C	2.55	128.12	124.81
14	A4	835	CLA	CMB-C2B-C3B	2.55	129.44	124.68
16	F2	201	BCR	C33-C5-C4	-2.55	108.72	113.62
14	B2	821	CLA	CHD-C1D-ND	-2.55	122.11	124.45
16	A6	1643	BCR	C30-C25-C26	-2.55	119.03	122.61
17	A6	1650	LHG	C6-C5-C4	-2.55	105.76	111.79
14	B6	824	CLA	C4A-NA-C1A	2.55	107.85	106.71
14	A3	834	CLA	O1D-CGD-CBD	-2.55	119.27	124.48
14	B2	825	CLA	C3D-C2D-C1D	-2.55	102.36	105.83
14	B6	812	CLA	CHD-C1D-ND	-2.55	122.11	124.45
14	B5	1843	CLA	CHD-C4C-C3C	-2.55	121.10	124.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A5	824	CLA	C3C-C4C-NC	2.55	113.43	110.57
14	B2	835	CLA	C2D-C1D-ND	2.55	111.98	110.10
14	A1	838	CLA	C3D-C2D-C1D	-2.55	102.36	105.83
14	M2	1201	CLA	CHD-C1D-ND	-2.55	122.11	124.45
14	B3	1808	CLA	C3D-C4D-ND	2.54	114.35	110.24
16	F2	203	BCR	C38-C26-C25	2.54	127.39	124.53
14	L1	202	CLA	C3D-C2D-C1D	-2.54	102.36	105.83
14	A3	836	CLA	C3D-C2D-C1D	-2.54	102.36	105.83
16	I1	102	BCR	C19-C18-C17	-2.54	115.04	118.94
14	B3	1818	CLA	CHD-C1D-ND	-2.54	122.12	124.45
14	K6	1401	CLA	CHD-C1D-ND	-2.54	122.12	124.45
14	A5	835	CLA	CHD-C1D-ND	-2.54	122.12	124.45
14	B2	809	CLA	C3C-C4C-NC	2.54	113.42	110.57
14	A2	1606	CLA	O1D-CGD-CBD	-2.54	119.28	124.48
14	A1	833	CLA	CHD-C4C-C3C	-2.54	121.10	124.84
14	A4	841	CLA	CMC-C2C-C1C	2.54	128.91	125.04
14	A4	804	CLA	CMB-C2B-C3B	2.54	129.44	124.68
14	B1	832	CLA	C3D-C2D-C1D	-2.54	102.36	105.83
14	A5	821	CLA	C3C-C4C-NC	2.54	113.42	110.57
16	A4	846	BCR	C1-C6-C7	2.54	122.97	115.78
16	A2	1649	BCR	C1-C6-C5	-2.54	119.03	122.61
14	B1	826	CLA	CHD-C1D-ND	-2.54	122.12	124.45
14	B5	1820	CLA	C3B-C4B-NB	2.54	112.50	109.21
14	A6	1618	CLA	CHD-C4C-C3C	-2.54	121.10	124.84
16	F6	203	BCR	C38-C26-C25	2.54	127.38	124.53
16	B5	1845	BCR	C1-C6-C5	-2.54	119.03	122.61
14	B2	831	CLA	C3C-C4C-NC	2.54	113.42	110.57
14	B4	806	CLA	C3D-C2D-C1D	-2.54	102.36	105.83
14	A2	1620	CLA	CHD-C4C-C3C	-2.54	121.11	124.84
14	L3	203	CLA	O1D-CGD-CBD	-2.54	119.28	124.48
14	B6	840	CLA	O2D-CGD-CBD	2.54	115.78	111.27
16	F4	201	BCR	C33-C5-C4	-2.54	108.73	113.62
14	B5	1807	CLA	C3D-C2D-C1D	-2.54	102.36	105.83
14	A1	824	CLA	CHD-C4C-C3C	-2.54	121.11	124.84
14	B4	804	CLA	CMC-C2C-C1C	2.54	128.91	125.04
14	A3	819	CLA	CED-O2D-CGD	2.54	121.68	115.94
14	B3	1814	CLA	CED-O2D-CGD	2.54	121.68	115.94
14	A6	1606	CLA	CED-O2D-CGD	2.54	121.68	115.94
14	A4	803	CLA	C1D-ND-C4D	-2.54	104.53	106.33
14	A2	1633	CLA	C2C-C1C-NC	2.54	112.35	109.97
14	B1	820	CLA	CED-O2D-CGD	2.54	121.68	115.94
14	A6	1611	CLA	CHD-C4C-C3C	-2.54	121.11	124.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	F1	1301	CLA	C2D-C1D-ND	2.54	111.97	110.10
14	A2	1624	CLA	C2D-C1D-ND	2.54	111.97	110.10
16	B1	849	BCR	C34-C9-C8	2.54	122.08	118.08
14	A4	807	CLA	CHD-C1D-ND	-2.54	122.12	124.45
14	B5	1843	CLA	CHD-C1D-ND	-2.54	122.12	124.45
14	A4	840	CLA	O2A-C1-C2	2.54	115.31	108.64
16	B1	845	BCR	C34-C9-C10	-2.54	119.37	122.92
14	L2	202	CLA	C3D-C2D-C1D	-2.54	102.37	105.83
14	M3	1601	CLA	CHD-C4C-C3C	-2.54	121.11	124.84
14	A4	824	CLA	CHD-C4C-C3C	-2.54	121.11	124.84
16	F4	204	BCR	C33-C5-C4	-2.54	108.74	113.62
14	A1	839	CLA	C4A-NA-C1A	2.54	107.85	106.71
16	B5	1845	BCR	C30-C25-C26	-2.54	119.04	122.61
14	B3	1838	CLA	CHD-C4C-C3C	-2.54	121.11	124.84
14	K1	1401	CLA	C3D-C2D-C1D	-2.54	102.37	105.83
14	B4	833	CLA	C3D-C2D-C1D	-2.54	102.37	105.83
14	A6	1629	CLA	CMB-C2B-C1B	-2.54	124.56	128.46
14	A4	801	CLA	CHD-C4C-C3C	-2.54	121.11	124.84
14	A3	817	CLA	CED-O2D-CGD	2.54	121.67	115.94
14	A4	837	CLA	CED-O2D-CGD	2.54	121.67	115.94
14	B5	1813	CLA	CED-O2D-CGD	2.54	121.67	115.94
14	B2	830	CLA	C3D-C2D-C1D	-2.54	102.37	105.83
16	J2	102	BCR	C37-C22-C23	2.54	122.07	118.08
14	A2	1615	CLA	C3C-C4C-NC	2.54	113.42	110.57
14	L1	207	CLA	C3D-C4D-ND	2.54	114.34	110.24
14	L1	205	CLA	CMC-C2C-C1C	2.54	128.90	125.04
14	B1	808	CLA	O2D-CGD-CBD	2.54	115.78	111.27
14	A6	1626	CLA	O2A-CGA-CBA	2.54	119.87	111.91
16	I6	102	BCR	C38-C26-C25	2.54	127.38	124.53
14	A2	1633	CLA	C3D-C2D-C1D	-2.54	102.37	105.83
14	B2	804	CLA	C3D-C2D-C1D	-2.54	102.37	105.83
14	B6	802	CLA	C1C-C2C-C3C	-2.54	104.29	106.96
14	B3	1819	CLA	CED-O2D-CGD	2.54	121.67	115.94
14	A6	1617	CLA	CED-O2D-CGD	2.54	121.67	115.94
14	B4	834	CLA	C3C-C4C-NC	2.54	113.42	110.57
14	B5	1809	CLA	CHD-C1D-ND	-2.54	122.12	124.45
14	B5	1833	CLA	CHD-C1D-ND	-2.54	122.12	124.45
14	A4	827	CLA	C3D-C2D-C1D	-2.54	102.37	105.83
14	B1	825	CLA	C3C-C4C-NC	2.54	113.41	110.57
14	A2	1601	CLA	C3C-C4C-NC	2.54	113.41	110.57
16	B2	842	BCR	C30-C25-C26	-2.53	119.04	122.61
14	A3	816	CLA	C2D-C1D-ND	2.53	111.97	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	F6	203	BCR	C33-C5-C6	2.53	127.37	124.53
16	A3	849	BCR	C1-C6-C7	2.53	122.95	115.78
14	A5	802	CLA	CED-O2D-CGD	2.53	121.67	115.94
14	A5	828	CLA	CHD-C4C-C3C	-2.53	121.11	124.84
14	B3	1803	CLA	O2D-CGD-CBD	2.53	115.77	111.27
14	B6	803	CLA	C3D-C2D-C1D	-2.53	102.37	105.83
16	B1	843	BCR	C37-C22-C23	2.53	122.07	118.08
16	B3	1845	BCR	C30-C25-C26	-2.53	119.05	122.61
16	A6	1645	BCR	C1-C6-C5	-2.53	119.05	122.61
16	A5	845	BCR	C30-C25-C26	-2.53	119.05	122.61
14	A2	1612	CLA	CHD-C4C-C3C	-2.53	121.12	124.84
14	A6	1606	CLA	O2A-CGA-O1A	-2.53	117.20	123.59
14	B1	825	CLA	CMD-C2D-C1D	2.53	129.18	124.71
14	A4	841	CLA	C4A-NA-C1A	2.53	107.84	106.71
14	L1	205	CLA	CHD-C1D-ND	-2.53	122.13	124.45
14	A5	804	CLA	O1D-CGD-CBD	-2.53	119.30	124.48
16	B1	852	BCR	C33-C5-C4	-2.53	108.75	113.62
16	B3	1851	BCR	C38-C26-C25	2.53	127.37	124.53
14	B6	822	CLA	CMB-C2B-C3B	2.53	129.42	124.68
14	A3	810	CLA	O2A-CGA-CBA	2.53	122.17	114.03
14	A2	1638	CLA	CHD-C4C-C3C	-2.53	121.12	124.84
14	L2	202	CLA	CHD-C4C-C3C	-2.53	121.12	124.84
14	A2	1602	CLA	CMC-C2C-C1C	2.53	128.90	125.04
14	A4	840	CLA	C3D-C2D-C1D	-2.53	102.38	105.83
14	B3	1831	CLA	CMB-C2B-C1B	-2.53	124.57	128.46
14	A5	842	CLA	CHD-C4C-C3C	-2.53	121.12	124.84
16	B6	843	BCR	C37-C22-C23	2.53	122.06	118.08
14	B1	822	CLA	CHD-C1D-ND	-2.53	122.13	124.45
14	B3	1816	CLA	CHD-C1D-ND	-2.53	122.13	124.45
14	L4	203	CLA	CHD-C1D-ND	-2.53	122.13	124.45
14	B5	1824	CLA	CHD-C1D-ND	-2.53	122.13	124.45
14	L4	201	CLA	CHD-C4C-C3C	-2.53	121.12	124.84
14	B5	1824	CLA	CMB-C2B-C3B	2.53	129.41	124.68
14	A6	1619	CLA	C2D-C1D-ND	2.53	111.97	110.10
14	A2	1629	CLA	C3C-C4C-NC	2.53	113.41	110.57
14	A6	1623	CLA	C3C-C4C-NC	2.53	113.41	110.57
14	A1	840	CLA	CMD-C2D-C1D	2.53	129.17	124.71
14	A3	827	CLA	CHD-C4C-C3C	-2.53	121.12	124.84
14	B6	817	CLA	CED-O2D-CGD	2.53	121.66	115.94
14	B1	802	CLA	C3B-C4B-NB	2.53	112.48	109.21
14	B3	1833	CLA	O2A-CGA-CBA	2.53	119.84	111.91
14	B6	812	CLA	O2A-CGA-CBA	2.53	122.16	114.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A6	1629	CLA	CMD-C2D-C1D	2.53	129.17	124.71
14	A6	1618	CLA	CED-O2D-CGD	2.53	121.66	115.94
14	B2	827	CLA	CHD-C1D-ND	-2.53	122.13	124.45
14	A5	828	CLA	C3D-C2D-C1D	-2.53	102.38	105.83
14	A2	1635	CLA	O2A-CGA-CBA	2.53	119.84	111.91
14	L4	205	CLA	C3D-C4D-ND	2.53	114.33	110.24
14	L1	202	CLA	CHD-C1D-ND	-2.53	122.13	124.45
14	A1	828	CLA	CMB-C2B-C1B	-2.53	124.58	128.46
14	B5	1821	CLA	CED-O2D-CGD	2.53	121.65	115.94
14	A2	1607	CLA	CHB-C4A-NA	2.53	128.01	124.51
14	B1	822	CLA	C3D-C2D-C1D	-2.53	102.38	105.83
14	L1	206	CLA	C3D-C2D-C1D	-2.53	102.38	105.83
16	F2	203	BCR	C33-C5-C6	2.53	127.37	124.53
16	M5	101	BCR	C38-C26-C25	2.53	127.37	124.53
16	B5	1847	BCR	C34-C9-C10	-2.53	119.38	122.92
14	B6	814	CLA	C3C-C4C-NC	2.53	113.41	110.57
14	A5	825	CLA	C1D-ND-C4D	-2.53	104.54	106.33
14	B4	821	CLA	CHD-C4C-C3C	-2.53	121.13	124.84
14	B5	1804	CLA	C1C-C2C-C3C	-2.53	104.30	106.96
14	B2	817	CLA	C3B-C4B-NB	2.53	112.48	109.21
16	L1	203	BCR	C33-C5-C4	-2.53	108.76	113.62
16	J5	105	BCR	C33-C5-C4	-2.53	108.76	113.62
16	A3	849	BCR	C37-C22-C23	2.53	122.06	118.08
14	B6	837	CLA	O2A-CGA-CBA	2.53	119.83	111.91
16	M1	1202	BCR	C38-C26-C25	2.53	127.36	124.53
14	B6	810	CLA	C3B-C4B-NB	2.53	112.47	109.21
14	B5	1839	CLA	CHD-C4C-C3C	-2.53	121.13	124.84
14	A6	1603	CLA	C3D-C2D-C1D	-2.53	102.39	105.83
14	A2	1607	CLA	CMB-C2B-C3B	2.52	129.40	124.68
14	B4	807	CLA	CHD-C4C-C3C	-2.52	121.13	124.84
16	F5	1302	BCR	C33-C5-C6	2.52	127.36	124.53
14	B3	1805	CLA	C4A-NA-C1A	2.52	107.84	106.71
14	B5	1841	CLA	C4A-NA-C1A	2.52	107.84	106.71
16	A1	844	BCR	C37-C22-C23	2.52	122.05	118.08
16	B2	842	BCR	C37-C22-C23	2.52	122.05	118.08
16	A5	847	BCR	C37-C22-C23	2.52	122.05	118.08
14	A5	835	CLA	CED-O2D-CGD	2.52	121.65	115.94
14	I1	101	CLA	O2D-CGD-CBD	2.52	115.75	111.27
14	B2	801	CLA	O2D-CGD-CBD	2.52	115.75	111.27
14	B2	808	CLA	CHD-C4C-C3C	-2.52	121.13	124.84
14	A6	1601	CLA	CHD-C4C-C3C	-2.52	121.13	124.84
16	F3	201	BCR	C36-C18-C19	2.52	122.05	118.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	M3	1602	BCR	C38-C26-C25	2.52	127.36	124.53
14	A4	815	CLA	C2D-C1D-ND	2.52	111.96	110.10
16	B3	1849	BCR	C33-C5-C4	-2.52	108.77	113.62
14	B1	832	CLA	C3C-C4C-NC	2.52	113.40	110.57
14	A2	1637	CLA	C3C-C4C-NC	2.52	113.40	110.57
14	B2	810	CLA	C3C-C4C-NC	2.52	113.40	110.57
14	A2	1643	CLA	C3D-C2D-C1D	-2.52	102.39	105.83
14	A5	816	CLA	CHD-C4C-C3C	-2.52	121.13	124.84
16	L5	207	BCR	C33-C5-C4	-2.52	108.77	113.62
14	B2	826	CLA	CMC-C2C-C1C	2.52	128.88	125.04
14	A2	1606	CLA	CMB-C2B-C3B	2.52	129.40	124.68
14	B2	806	CLA	CMD-C2D-C1D	2.52	129.16	124.71
14	M3	1601	CLA	CED-O2D-CGD	2.52	121.64	115.94
16	M5	101	BCR	C32-C1-C6	2.52	114.39	110.30
14	A4	809	CLA	O2A-CGA-CBA	2.52	122.13	114.03
14	A1	819	CLA	C3D-C2D-C1D	-2.52	102.39	105.83
16	I5	102	BCR	C19-C18-C17	-2.52	115.07	118.94
14	B5	1802	CLA	CBC-CAC-C3C	-2.52	105.48	112.43
14	B4	814	CLA	CED-O2D-CGD	2.52	121.64	115.94
14	A5	805	CLA	CED-O2D-CGD	2.52	121.64	115.94
14	L5	204	CLA	CMC-C2C-C1C	2.52	128.88	125.04
16	A3	848	BCR	C1-C6-C5	-2.52	119.06	122.61
14	B3	1817	CLA	C3D-C2D-C1D	-2.52	102.39	105.83
16	L6	209	BCR	C33-C5-C4	-2.52	108.78	113.62
14	B4	813	CLA	CHD-C4C-C3C	-2.52	121.14	124.84
14	B5	1825	CLA	C2D-C1D-ND	2.52	111.96	110.10
14	X5	101	CLA	C3C-C4C-NC	2.52	113.40	110.57
14	B3	1815	CLA	C1D-ND-C4D	-2.52	104.55	106.33
17	A3	854	LHG	C6-C5-C4	-2.52	105.83	111.79
14	B6	806	CLA	C3D-C2D-C1D	-2.52	102.39	105.83
14	L5	202	CLA	CHD-C4C-C3C	-2.52	121.14	124.84
16	B4	849	BCR	C29-C30-C25	2.52	114.36	110.48
14	A4	825	CLA	CHD-C1D-ND	-2.52	122.14	124.45
16	F6	201	BCR	C36-C18-C19	2.52	122.05	118.08
14	J6	1102	CLA	C3C-C4C-NC	2.52	113.40	110.57
14	B6	825	CLA	O1D-CGD-CBD	-2.52	119.33	124.48
14	A4	817	CLA	CHD-C4C-C3C	-2.52	121.14	124.84
14	B4	810	CLA	CHD-C4C-C3C	-2.52	121.14	124.84
14	B2	840	CLA	C3D-C2D-C1D	-2.52	102.39	105.83
14	B6	838	CLA	CED-O2D-CGD	2.52	121.63	115.94
14	A2	1635	CLA	CHD-C1D-ND	-2.52	122.14	124.45
14	L2	202	CLA	CHD-C1D-ND	-2.52	122.14	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	L5	206	CLA	C4A-NA-C1A	2.52	107.84	106.71
14	A2	1644	CLA	C4-C3-C5	2.52	119.51	115.27
14	B3	1831	CLA	O1D-CGD-CBD	-2.52	119.33	124.48
14	B3	1806	CLA	CHD-C4C-C3C	-2.52	121.14	124.84
14	A4	828	CLA	CHD-C4C-C3C	-2.52	121.14	124.84
16	A2	1652	BCR	C37-C22-C23	2.52	122.04	118.08
16	A2	1648	BCR	C1-C6-C5	-2.52	119.07	122.61
14	B2	835	CLA	CHD-C4C-C3C	-2.52	121.14	124.84
14	B1	823	CLA	CED-O2D-CGD	2.52	121.63	115.94
14	B2	818	CLA	CED-O2D-CGD	2.52	121.63	115.94
14	M2	1201	CLA	C3D-C2D-C1D	-2.51	102.40	105.83
14	B5	1839	CLA	C3D-C2D-C1D	-2.51	102.40	105.83
14	A5	840	CLA	O2A-CGA-O1A	-2.51	117.25	123.59
14	A6	1639	CLA	CAC-C3C-C4C	2.51	128.07	124.81
15	B3	1844	PQN	C2M-C2-C3	-2.51	120.30	124.40
14	A1	834	CLA	CHD-C1D-ND	-2.51	122.14	124.45
14	X4	102	CLA	C3C-C4C-NC	2.51	113.39	110.57
14	A5	820	CLA	CHD-C4C-C3C	-2.51	121.14	124.84
14	A1	836	CLA	O2A-CGA-O1A	-2.51	117.25	123.59
14	A4	821	CLA	C2D-C1D-ND	2.51	111.96	110.10
14	B1	829	CLA	O2A-C1-C2	2.51	115.24	108.64
14	B2	822	CLA	C3C-C4C-NC	2.51	113.39	110.57
14	A3	840	CLA	C3C-C4C-NC	2.51	113.39	110.57
14	I6	101	CLA	CED-O2D-CGD	2.51	121.62	115.94
14	B1	841	CLA	C3D-C2D-C1D	-2.51	102.40	105.83
14	A6	1627	CLA	C3C-C4C-NC	2.51	113.39	110.57
14	A6	1633	CLA	CHD-C1D-ND	-2.51	122.15	124.45
16	J5	104	BCR	C36-C18-C19	2.51	122.03	118.08
14	B4	801	CLA	C1C-C2C-C3C	-2.51	104.32	106.96
14	A3	827	CLA	C3D-C2D-C1D	-2.51	102.40	105.83
14	A5	810	CLA	O2A-CGA-CBA	2.51	122.10	114.03
14	A4	801	CLA	CBC-CAC-C3C	-2.51	105.51	112.43
14	B1	834	CLA	O1D-CGD-CBD	-2.51	119.35	124.48
14	B1	833	CLA	CHD-C1D-ND	-2.51	122.15	124.45
14	J3	102	CLA	C3C-C4C-NC	2.51	113.39	110.57
14	J5	101	CLA	C1D-ND-C4D	-2.51	104.55	106.33
14	B3	1829	CLA	C3D-C2D-C1D	-2.51	102.41	105.83
14	A4	837	CLA	C3C-C4C-NC	2.51	113.39	110.57
14	A2	1636	CLA	CED-O2D-CGD	2.51	121.61	115.94
14	A6	1620	CLA	C2C-C1C-NC	2.51	112.32	109.97
14	A5	831	CLA	O1D-CGD-CBD	-2.51	119.35	124.48
16	A4	849	BCR	C36-C18-C17	-2.51	119.41	122.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	J6	1104	BCR	C33-C5-C6	2.51	127.34	124.53
14	B5	1818	CLA	C3D-C4D-ND	2.51	114.29	110.24
14	A5	838	CLA	C3D-C2D-C1D	-2.51	102.41	105.83
16	B2	850	BCR	C33-C5-C4	-2.51	108.80	113.62
14	A1	833	CLA	C3C-C4C-NC	2.51	113.38	110.57
14	L1	201	CLA	CMB-C2B-C3B	2.51	129.37	124.68
14	B3	1801	CLA	O1D-CGD-CBD	-2.51	119.36	124.48
14	A2	1644	CLA	CMC-C2C-C1C	2.51	128.86	125.04
14	A4	835	CLA	CHD-C4C-C3C	-2.51	121.16	124.84
14	A2	1641	CLA	C3D-C2D-C1D	-2.51	102.41	105.83
14	A6	1633	CLA	O2A-CGA-CBA	2.51	119.77	111.91
14	B1	806	CLA	CED-O2D-CGD	2.51	121.61	115.94
14	B6	816	CLA	CHD-C4C-C3C	-2.51	121.16	124.84
14	A5	806	CLA	O2A-CGA-O1A	-2.51	117.27	123.59
14	J4	101	CLA	C3D-C4D-ND	2.51	114.29	110.24
14	B1	805	CLA	CMC-C2C-C1C	2.51	128.85	125.04
14	B1	807	CLA	C2D-C1D-ND	2.50	111.95	110.10
14	A5	816	CLA	C2D-C1D-ND	2.50	111.95	110.10
14	B4	819	CLA	CHD-C1D-ND	-2.50	122.15	124.45
14	A2	1641	CLA	C3C-C4C-NC	2.50	113.38	110.57
14	B2	823	CLA	C3C-C4C-NC	2.50	113.38	110.57
14	A2	1627	CLA	CHD-C4C-C3C	-2.50	121.16	124.84
14	L5	203	CLA	O2A-CGA-CBA	2.50	119.77	111.91
16	A5	853	BCR	C37-C22-C23	2.50	122.02	118.08
14	L2	202	CLA	O2A-CGA-CBA	2.50	119.77	111.91
14	B5	1812	CLA	C1C-C2C-C3C	-2.50	104.32	106.96
14	B4	834	CLA	C2D-C1D-ND	2.50	111.95	110.10
16	A5	850	BCR	C36-C18-C17	-2.50	119.42	122.92
14	A2	1643	CLA	O2A-C1-C2	2.50	115.21	108.64
14	A1	827	CLA	CHD-C4C-C3C	-2.50	121.16	124.84
14	B1	807	CLA	CHD-C4C-C3C	-2.50	121.16	124.84
14	A2	1611	CLA	CHD-C4C-C3C	-2.50	121.16	124.84
14	A3	814	CLA	C3C-C4C-NC	2.50	113.38	110.57
14	A4	838	CLA	C3C-C4C-NC	2.50	113.38	110.57
14	A6	1614	CLA	C3C-C4C-NC	2.50	113.38	110.57
14	A5	833	CLA	O2A-CGA-CBA	2.50	119.76	111.91
14	A3	837	CLA	C3D-C2D-C1D	-2.50	102.42	105.83
14	A5	830	CLA	CHD-C1D-ND	-2.50	122.16	124.45
14	B5	1825	CLA	CHD-C1D-ND	-2.50	122.16	124.45
16	F6	203	BCR	C1-C6-C5	-2.50	119.09	122.61
16	L1	203	BCR	C36-C18-C19	2.50	122.02	118.08
16	B1	847	BCR	C40-C30-C25	2.50	114.36	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	A6	1643	BCR	C1-C6-C5	-2.50	119.09	122.61
14	B4	843	CLA	CHD-C4C-C3C	-2.50	121.16	124.84
14	A3	839	CLA	O2A-CGA-O1A	-2.50	117.28	123.59
14	A1	815	CLA	CHD-C1D-ND	-2.50	122.16	124.45
16	A6	1648	BCR	C33-C5-C6	2.50	127.34	124.53
14	A2	1602	CLA	CBC-CAC-C3C	-2.50	105.54	112.43
14	A1	817	CLA	CHD-C4C-C3C	-2.50	121.17	124.84
14	B2	838	CLA	CHD-C4C-C3C	-2.50	121.17	124.84
14	B4	839	CLA	CHD-C4C-C3C	-2.50	121.17	124.84
14	A5	818	CLA	CHD-C4C-C3C	-2.50	121.17	124.84
14	L2	207	CLA	C3D-C4D-ND	2.50	114.28	110.24
14	B5	1802	CLA	C3B-C4B-NB	2.50	112.44	109.21
14	B6	839	CLA	CHD-C4C-C3C	-2.50	121.17	124.84
14	K4	1401	CLA	CHD-C1D-ND	-2.50	122.16	124.45
14	A6	1651	CLA	CHD-C1D-ND	-2.50	122.16	124.45
16	J5	104	BCR	C1-C6-C5	-2.50	119.09	122.61
14	A1	834	CLA	CHD-C4C-C3C	-2.50	121.17	124.84
14	A3	839	CLA	C2D-C1D-ND	2.50	111.94	110.10
14	B6	831	CLA	CHD-C4C-C3C	-2.50	121.17	124.84
14	A4	818	CLA	CED-O2D-CGD	2.50	121.59	115.94
14	A3	806	CLA	O2D-CGD-CBD	2.50	115.71	111.27
14	B1	840	CLA	CHD-C4C-C3C	-2.50	121.17	124.84
14	J3	102	CLA	CHD-C1D-ND	-2.50	122.16	124.45
14	A3	843	CLA	CMC-C2C-C1C	2.50	128.84	125.04
16	A4	846	BCR	C38-C26-C25	2.50	127.33	124.53
14	B5	1801	CLA	O1D-CGD-CBD	-2.50	119.38	124.48
14	A2	1637	CLA	CHD-C4C-C3C	-2.50	121.17	124.84
14	A5	829	CLA	CHD-C4C-C3C	-2.50	121.17	124.84
14	B5	1805	CLA	C3C-C4C-NC	2.50	113.37	110.57
14	B5	1815	CLA	C3D-C2D-C1D	-2.50	102.42	105.83
14	A2	1626	CLA	CAC-C3C-C4C	2.50	128.05	124.81
14	A2	1631	CLA	CHD-C4C-C3C	-2.50	121.17	124.84
14	A5	841	CLA	O2A-C1-C2	2.50	115.19	108.64
16	A1	843	BCR	C1-C6-C5	-2.50	119.10	122.61
14	B1	840	CLA	C3D-C2D-C1D	-2.50	102.42	105.83
14	B1	818	CLA	C3C-C4C-NC	2.50	113.37	110.57
14	A2	1640	CLA	C3C-C4C-NC	2.50	113.37	110.57
14	B4	810	CLA	C4A-NA-C1A	2.50	107.83	106.71
14	A2	1622	CLA	CHD-C4C-C3C	-2.50	121.17	124.84
16	B6	847	BCR	C33-C5-C4	-2.50	108.82	113.62
14	A1	826	CLA	C3C-C4C-NC	2.49	113.37	110.57
14	B5	1826	CLA	C3C-C4C-NC	2.49	113.37	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	L6	208	CLA	CAC-C3C-C4C	2.49	128.05	124.81
14	A5	810	CLA	C3D-C4D-ND	2.49	114.27	110.24
16	B5	1850	BCR	C33-C5-C4	-2.49	108.82	113.62
16	B2	844	BCR	C1-C6-C5	-2.49	119.10	122.61
14	A3	811	CLA	CED-O2D-CGD	2.49	121.58	115.94
14	B3	1808	CLA	C3C-C4C-NC	2.49	113.37	110.57
14	A4	812	CLA	CAC-C3C-C4C	2.49	128.04	124.81
14	A6	1636	CLA	CAC-C3C-C4C	2.49	128.04	124.81
14	J5	102	CLA	CHD-C1D-ND	-2.49	122.16	124.45
14	L2	207	CLA	C3D-C2D-C1D	-2.49	102.43	105.83
14	A4	838	CLA	C3D-C2D-C1D	-2.49	102.43	105.83
14	K5	102	CLA	C3D-C2D-C1D	-2.49	102.43	105.83
16	A2	1651	BCR	C23-C22-C21	-2.49	115.12	118.94
16	B4	849	BCR	C33-C5-C4	-2.49	108.83	113.62
14	A3	802	CLA	C1C-C2C-C3C	-2.49	104.34	106.96
14	B6	836	CLA	C2D-C1D-ND	2.49	111.94	110.10
14	B2	830	CLA	CHD-C4C-C3C	-2.49	121.18	124.84
14	X2	1701	CLA	CHD-C4C-C3C	-2.49	121.18	124.84
14	B3	1814	CLA	CAC-C3C-C4C	2.49	128.04	124.81
14	B2	818	CLA	C2D-C1D-ND	2.49	111.94	110.10
14	A1	832	CLA	CED-O2D-CGD	2.49	121.57	115.94
14	A2	1637	CLA	C3D-C2D-C1D	-2.49	102.43	105.83
14	B2	805	CLA	C3D-C2D-C1D	-2.49	102.43	105.83
16	M5	101	BCR	C37-C22-C23	2.49	122.00	118.08
16	B1	844	BCR	C38-C26-C27	-2.49	108.83	113.62
14	B4	820	CLA	CHD-C1D-ND	-2.49	122.17	124.45
14	B6	816	CLA	CHD-C1D-ND	-2.49	122.17	124.45
16	A5	849	BCR	C30-C25-C26	-2.49	119.11	122.61
14	A2	1638	CLA	CAC-C3C-C4C	2.49	128.04	124.81
14	A6	1602	CLA	CMC-C2C-C1C	2.49	128.83	125.04
14	A2	1638	CLA	CMB-C2B-C3B	2.49	129.34	124.68
16	I1	102	BCR	C38-C26-C25	2.49	127.32	124.53
16	B3	1846	BCR	C38-C26-C27	-2.49	108.83	113.62
14	A1	816	CLA	CED-O2D-CGD	2.49	121.57	115.94
14	A2	1640	CLA	CHD-C1D-ND	-2.49	122.17	124.45
16	L5	207	BCR	C37-C22-C23	2.49	122.00	118.08
14	L5	205	CLA	C3D-C2D-C1D	-2.49	102.44	105.83
14	B6	818	CLA	C3B-C4B-NB	2.49	112.43	109.21
16	J2	103	BCR	C1-C6-C5	-2.49	119.11	122.61
14	B1	803	CLA	C3C-C4C-NC	2.49	113.36	110.57
14	A3	834	CLA	CHD-C1D-ND	-2.49	122.17	124.45
14	A3	840	CLA	CHD-C1D-ND	-2.49	122.17	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B2	825	CLA	CHD-C4C-C3C	-2.49	121.18	124.84
14	B6	835	CLA	CHD-C4C-C3C	-2.49	121.18	124.84
14	A1	831	CLA	C3D-C4D-ND	2.49	114.26	110.24
14	B2	810	CLA	C3D-C2D-C1D	-2.49	102.44	105.83
14	B4	807	CLA	C3D-C2D-C1D	-2.49	102.44	105.83
14	B1	824	CLA	C3C-C4C-NC	2.49	113.36	110.57
16	B3	1845	BCR	C37-C22-C23	2.49	122.00	118.08
14	A5	810	CLA	CHD-C4C-C3C	-2.49	121.19	124.84
14	B5	1814	CLA	CHD-C1D-ND	-2.49	122.17	124.45
14	L3	204	CLA	C3D-C2D-C1D	-2.49	102.44	105.83
14	J5	101	CLA	CED-O2D-CGD	2.49	121.56	115.94
14	A5	826	CLA	O2A-CGA-CBA	2.49	119.71	111.91
14	A1	839	CLA	CHD-C4C-C3C	-2.49	121.19	124.84
14	A3	834	CLA	C3D-C2D-C1D	-2.49	102.44	105.83
14	B6	814	CLA	CHD-C1D-ND	-2.49	122.17	124.45
14	B2	812	CLA	O1D-CGD-CBD	-2.49	119.40	124.48
14	B3	1827	CLA	O1D-CGD-CBD	-2.49	119.40	124.48
14	B1	807	CLA	C3D-C2D-C1D	-2.48	102.44	105.83
14	A3	801	CLA	CMC-C2C-C1C	2.48	128.82	125.04
14	M2	1201	CLA	C2D-C1D-ND	2.48	111.94	110.10
14	B1	834	CLA	CHD-C4C-C3C	-2.48	121.19	124.84
14	B3	1818	CLA	CHD-C4C-C3C	-2.48	121.19	124.84
14	A6	1602	CLA	CHD-C4C-C3C	-2.48	121.19	124.84
14	B2	813	CLA	C3C-C4C-NC	2.48	113.36	110.57
14	B2	817	CLA	C3C-C4C-NC	2.48	113.36	110.57
14	B6	833	CLA	C3C-C4C-NC	2.48	113.36	110.57
14	B5	1829	CLA	C3D-C2D-C1D	-2.48	102.44	105.83
16	B2	846	BCR	C33-C5-C4	-2.48	108.84	113.62
14	B3	1811	CLA	C12-C11-C10	-2.48	101.83	113.24
14	B1	830	CLA	O1D-CGD-CBD	-2.48	119.40	124.48
14	A1	804	CLA	CED-O2D-CGD	2.48	121.55	115.94
14	J3	101	CLA	C3C-C4C-NC	2.48	113.36	110.57
14	A1	811	CLA	C2D-C1D-ND	2.48	111.93	110.10
14	B2	818	CLA	CHD-C4C-C3C	-2.48	121.19	124.84
16	A4	848	BCR	C23-C22-C21	-2.48	115.13	118.94
14	B3	1808	CLA	C3D-C2D-C1D	-2.48	102.44	105.83
14	A5	801	CLA	CHD-C4C-C3C	-2.48	121.19	124.84
14	A3	843	CLA	CAC-C3C-C4C	2.48	128.03	124.81
14	A2	1626	CLA	C3C-C4C-NC	2.48	113.36	110.57
14	B3	1827	CLA	C3C-C4C-NC	2.48	113.36	110.57
16	A5	853	BCR	C34-C9-C8	2.48	121.99	118.08
14	A3	807	CLA	C3D-C2D-C1D	-2.48	102.44	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A6	1620	CLA	C3D-C2D-C1D	-2.48	102.44	105.83
14	X3	102	CLA	CHD-C4C-C3C	-2.48	121.19	124.84
16	B3	1849	BCR	C36-C18-C19	2.48	121.99	118.08
16	L1	203	BCR	C19-C18-C17	-2.48	115.13	118.94
14	B5	1804	CLA	CMC-C2C-C1C	2.48	128.82	125.04
14	A2	1608	CLA	O2A-CGA-O1A	-2.48	117.33	123.59
14	B3	1805	CLA	CED-O2D-CGD	2.48	121.55	115.94
14	A3	818	CLA	CHD-C4C-C3C	-2.48	121.19	124.84
14	B4	803	CLA	C1C-C2C-C3C	-2.48	104.35	106.96
14	L2	207	CLA	CHD-C1D-ND	-2.48	122.17	124.45
14	A4	819	CLA	CHD-C1D-ND	-2.48	122.17	124.45
14	B2	836	CLA	O2A-CGA-CBA	2.48	119.69	111.91
14	B4	852	CLA	C2C-C1C-NC	2.48	112.30	109.97
14	A5	832	CLA	CMB-C2B-C3B	2.48	129.32	124.68
14	A6	1603	CLA	CBC-CAC-C3C	-2.48	105.60	112.43
14	A1	839	CLA	CAC-C3C-C4C	2.48	128.03	124.81
14	A2	1623	CLA	O2D-CGD-CBD	2.48	115.67	111.27
14	A4	805	CLA	O2A-CGA-O1A	-2.48	117.34	123.59
14	B2	803	CLA	C4A-NA-C1A	2.48	107.82	106.71
14	B6	829	CLA	C4A-NA-C1A	2.48	107.82	106.71
14	B5	1842	CLA	C4A-NA-C1A	2.48	107.82	106.71
14	B2	804	CLA	C2D-C1D-ND	2.48	111.93	110.10
14	A5	819	CLA	C2D-C1D-ND	2.48	111.93	110.10
14	B5	1821	CLA	CHD-C4C-C3C	-2.48	121.20	124.84
14	A2	1629	CLA	CHD-C4C-C3C	-2.48	121.20	124.84
16	J2	102	BCR	C19-C18-C17	-2.48	115.14	118.94
14	B6	815	CLA	O1D-CGD-CBD	-2.48	119.42	124.48
14	A4	827	CLA	CHD-C4C-C3C	-2.48	121.20	124.84
14	A6	1629	CLA	CHD-C4C-C3C	-2.48	121.20	124.84
14	B5	1823	CLA	CHD-C4C-C3C	-2.48	121.20	124.84
14	A1	832	CLA	C3C-C4C-NC	2.48	113.35	110.57
14	A3	833	CLA	C3C-C4C-NC	2.48	113.35	110.57
14	A4	804	CLA	CHB-C4A-NA	2.48	127.94	124.51
14	A5	817	CLA	C3D-C4D-ND	2.48	114.24	110.24
14	A6	1636	CLA	C3D-C2D-C1D	-2.48	102.45	105.83
16	F4	203	BCR	C1-C6-C5	-2.48	119.13	122.61
14	A2	1643	CLA	C1-O2A-CGA	2.48	122.94	116.44
14	A3	804	CLA	O1D-CGD-CBD	-2.48	119.42	124.48
14	B6	808	CLA	C4A-NA-C1A	2.48	107.82	106.71
14	B5	1807	CLA	CHD-C4C-C3C	-2.48	121.20	124.84
14	A3	837	CLA	CAC-C3C-C4C	2.47	128.02	124.81
14	A6	1613	CLA	CAC-C3C-C4C	2.47	128.02	124.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	J6	1105	BCR	C32-C1-C6	2.47	114.31	110.30
16	J4	103	BCR	C30-C25-C26	-2.47	119.13	122.61
14	B1	803	CLA	C3D-C2D-C1D	-2.47	102.45	105.83
14	J1	102	CLA	CHD-C1D-ND	-2.47	122.18	124.45
14	B4	826	CLA	C3C-C4C-NC	2.47	113.35	110.57
14	B5	1819	CLA	C3C-C4C-NC	2.47	113.35	110.57
14	A4	808	CLA	CHD-C4C-C3C	-2.47	121.20	124.84
14	A4	830	CLA	C2C-C1C-NC	2.47	112.29	109.97
14	A3	817	CLA	C3D-C4D-ND	2.47	114.24	110.24
16	B3	1847	BCR	C38-C26-C25	2.47	127.31	124.53
14	B6	829	CLA	CMB-C2B-C1B	-2.47	124.66	128.46
14	A4	813	CLA	C3C-C4C-NC	2.47	113.34	110.57
14	A5	801	CLA	C4A-NA-C1A	2.47	107.82	106.71
14	B3	1843	CLA	CHD-C1D-ND	-2.47	122.18	124.45
14	B4	814	CLA	CHD-C1D-ND	-2.47	122.18	124.45
14	L6	203	CLA	O2A-CGA-O1A	-2.47	117.35	123.59
14	A6	1638	CLA	C3D-C2D-C1D	-2.47	102.46	105.83
14	B4	801	CLA	CMC-C2C-C1C	2.47	128.81	125.04
14	A1	805	CLA	CED-O2D-CGD	2.47	121.53	115.94
16	I1	103	BCR	C37-C22-C23	2.47	121.97	118.08
14	A4	812	CLA	C3C-C4C-NC	2.47	113.34	110.57
14	B3	1838	CLA	O2A-CGA-CBA	2.47	121.97	114.03
14	B3	1815	CLA	C3D-C2D-C1D	-2.47	102.46	105.83
14	A2	1610	CLA	CHD-C1D-ND	-2.47	122.18	124.45
14	B2	811	CLA	CHD-C1D-ND	-2.47	122.18	124.45
14	B3	1837	CLA	CHD-C1D-ND	-2.47	122.18	124.45
14	A6	1610	CLA	CHD-C4C-C3C	-2.47	121.21	124.84
16	I5	101	BCR	C38-C26-C25	2.47	127.30	124.53
14	A4	841	CLA	C4-C3-C5	2.47	119.43	115.27
14	B4	816	CLA	C3C-C4C-NC	2.47	113.34	110.57
14	A1	829	CLA	CHD-C4C-C3C	-2.47	121.21	124.84
14	L6	207	CLA	O2A-CGA-CBA	2.47	119.66	111.91
14	A1	806	CLA	CHD-C1D-ND	-2.47	122.18	124.45
14	B3	1835	CLA	O1D-CGD-CBD	-2.47	119.43	124.48
14	L1	207	CLA	CAC-C3C-C4C	2.47	128.01	124.81
14	J4	101	CLA	CED-O2D-CGD	2.47	121.52	115.94
14	B4	805	CLA	C3C-C4C-NC	2.47	113.34	110.57
14	A5	815	CLA	C3C-C4C-NC	2.47	113.34	110.57
14	A1	810	CLA	CED-O2D-CGD	2.47	121.52	115.94
14	A4	806	CLA	C3D-C2D-C1D	-2.47	102.46	105.83
14	A4	826	CLA	C3D-C2D-C1D	-2.47	102.46	105.83
14	B5	1802	CLA	C3D-C2D-C1D	-2.47	102.46	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A3	832	CLA	CED-O2D-CGD	2.47	121.52	115.94
14	B1	801	CLA	C1D-ND-C4D	-2.47	104.58	106.33
14	B4	835	CLA	O1D-CGD-CBD	-2.47	119.43	124.48
14	B6	822	CLA	CHD-C1D-ND	-2.47	122.19	124.45
14	A5	808	CLA	CHD-C1D-ND	-2.47	122.19	124.45
14	A3	825	CLA	CHD-C4C-C3C	-2.47	121.21	124.84
14	A6	1615	CLA	C2D-C1D-ND	2.47	111.92	110.10
14	B5	1827	CLA	C3C-C4C-NC	2.47	113.34	110.57
14	B1	802	CLA	C3D-C2D-C1D	-2.47	102.46	105.83
14	B1	824	CLA	CHD-C1D-ND	-2.47	122.19	124.45
14	B6	823	CLA	CHD-C1D-ND	-2.47	122.19	124.45
14	A1	809	CLA	O2A-CGA-CBA	2.47	121.96	114.03
16	A2	1650	BCR	C30-C25-C24	2.47	122.76	115.78
14	A2	1643	CLA	C3D-C4D-ND	2.47	114.23	110.24
14	B3	1816	CLA	C3C-C4C-NC	2.47	113.34	110.57
14	A5	814	CLA	C3C-C4C-NC	2.47	113.34	110.57
14	B1	819	CLA	C3D-C2D-C1D	-2.47	102.46	105.83
14	B4	852	CLA	C3D-C2D-C1D	-2.47	102.46	105.83
16	J4	103	BCR	C19-C18-C17	-2.47	115.16	118.94
14	F5	1301	CLA	C2D-C1D-ND	2.47	111.92	110.10
14	A2	1617	CLA	CHD-C1D-ND	-2.47	122.19	124.45
14	A3	810	CLA	CHD-C4C-C3C	-2.47	121.21	124.84
14	A4	810	CLA	CHD-C4C-C3C	-2.47	121.21	124.84
16	B1	843	BCR	C1-C6-C5	-2.47	119.14	122.61
14	A3	842	CLA	O2A-C1-C2	2.47	115.12	108.64
14	A1	839	CLA	C1C-C2C-C3C	-2.47	104.36	106.96
14	A5	805	CLA	CMB-C2B-C3B	2.47	129.29	124.68
16	B6	850	BCR	C8-C7-C6	2.47	134.13	127.20
14	A6	1634	CLA	C3C-C4C-NC	2.47	113.34	110.57
14	B6	824	CLA	C3C-C4C-NC	2.47	113.34	110.57
14	A4	826	CLA	CHD-C4C-C3C	-2.47	121.22	124.84
19	B5	1851	LMG	O8-C28-C29	2.47	119.65	111.91
14	A2	1635	CLA	C3D-C2D-C1D	-2.47	102.47	105.83
14	B2	831	CLA	C3D-C4D-ND	2.47	114.23	110.24
14	A6	1617	CLA	C3D-C4D-ND	2.47	114.23	110.24
14	B3	1835	CLA	C3C-C4C-NC	2.47	113.34	110.57
16	A5	847	BCR	C1-C6-C5	-2.47	119.14	122.61
14	A3	845	CLA	O1D-CGD-CBD	-2.47	119.44	124.48
14	B6	807	CLA	C3D-C2D-C1D	-2.47	102.47	105.83
14	B3	1839	CLA	O2A-CGA-CBA	2.46	119.64	111.91
14	B5	1842	CLA	O2D-CGD-CBD	2.46	115.65	111.27
14	A2	1618	CLA	CED-O2D-CGD	2.46	121.51	115.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B5	1834	CLA	C3C-C4C-NC	2.46	113.33	110.57
14	B4	829	CLA	C4A-NA-C1A	2.46	107.81	106.71
14	A6	1611	CLA	CED-O2D-CGD	2.46	121.51	115.94
14	A1	816	CLA	C3D-C4D-ND	2.46	114.22	110.24
14	A5	832	CLA	C2D-C1D-ND	2.46	111.92	110.10
16	J2	103	BCR	C32-C1-C6	2.46	114.30	110.30
16	J1	103	BCR	C19-C18-C17	-2.46	115.16	118.94
14	B4	808	CLA	O2A-CGA-CBA	2.46	119.64	111.91
14	A1	812	CLA	CED-O2D-CGD	2.46	121.51	115.94
14	B1	818	CLA	CED-O2D-CGD	2.46	121.51	115.94
14	A3	824	CLA	C3C-C4C-NC	2.46	113.33	110.57
14	B6	825	CLA	CHD-C1D-ND	-2.46	122.19	124.45
14	A6	1611	CLA	C3D-C2D-C1D	-2.46	102.47	105.83
14	A2	1602	CLA	CHD-C4C-C3C	-2.46	121.22	124.84
14	B5	1814	CLA	O2A-CGA-CBA	2.46	121.94	114.03
16	A5	848	BCR	C30-C25-C24	2.46	122.75	115.78
14	B2	809	CLA	C2D-C1D-ND	2.46	111.92	110.10
14	L4	205	CLA	C3D-C2D-C1D	-2.46	102.47	105.83
14	B1	819	CLA	CED-O2D-CGD	2.46	121.51	115.94
14	A2	1643	CLA	CED-O2D-CGD	2.46	121.51	115.94
14	A6	1605	CLA	CHB-C4A-NA	2.46	127.92	124.51
14	B4	802	CLA	CBC-CAC-C3C	-2.46	105.64	112.43
14	B6	814	CLA	O1D-CGD-CBD	-2.46	119.45	124.48
14	A5	803	CLA	C3D-C2D-C1D	-2.46	102.47	105.83
14	X1	1701	CLA	CHD-C4C-C3C	-2.46	121.22	124.84
14	A6	1634	CLA	CHD-C4C-C3C	-2.46	121.22	124.84
16	B1	849	BCR	C37-C22-C23	2.46	121.96	118.08
16	J4	103	BCR	C1-C6-C5	-2.46	119.15	122.61
14	B6	807	CLA	O2A-CGA-CBA	2.46	119.63	111.91
14	B6	813	CLA	C3D-C2D-C1D	-2.46	102.47	105.83
14	L5	203	CLA	C3D-C2D-C1D	-2.46	102.47	105.83
14	B1	833	CLA	C3C-C4C-NC	2.46	113.33	110.57
14	A3	813	CLA	CMB-C2B-C3B	2.46	129.28	124.68
14	A2	1644	CLA	CHD-C4C-C3C	-2.46	121.22	124.84
14	X4	102	CLA	CHD-C4C-C3C	-2.46	121.22	124.84
14	B6	833	CLA	CHD-C4C-C3C	-2.46	121.22	124.84
16	I4	101	BCR	C19-C18-C17	-2.46	115.17	118.94
14	A2	1627	CLA	C1D-ND-C4D	-2.46	104.59	106.33
14	B1	824	CLA	CAC-C3C-C4C	2.46	128.00	124.81
14	A5	841	CLA	C3D-C2D-C1D	-2.46	102.47	105.83
14	L6	202	CLA	CED-O2D-CGD	2.46	121.50	115.94
16	F1	1302	BCR	C38-C26-C25	2.46	127.29	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A6	1632	CLA	O2A-CGA-CBA	2.46	119.62	111.91
14	B1	812	CLA	C3D-C2D-C1D	-2.46	102.48	105.83
14	B5	1841	CLA	C3D-C2D-C1D	-2.46	102.48	105.83
14	A1	823	CLA	C3C-C4C-NC	2.46	113.33	110.57
14	B4	809	CLA	O2D-CGD-O1D	-2.46	119.03	123.84
14	B6	805	CLA	C4A-NA-C1A	2.46	107.81	106.71
14	B3	1823	CLA	C1D-ND-C4D	-2.46	104.59	106.33
14	A3	839	CLA	CED-O2D-CGD	2.46	121.50	115.94
14	A2	1629	CLA	C3D-C2D-C1D	-2.46	102.48	105.83
14	A4	833	CLA	C3D-C2D-C1D	-2.46	102.48	105.83
14	A5	842	CLA	C4-C3-C5	2.46	119.41	115.27
14	B3	1812	CLA	C3B-C4B-NB	2.46	112.39	109.21
14	B1	820	CLA	CHD-C4C-C3C	-2.46	121.23	124.84
14	A3	827	CLA	C2C-C1C-NC	2.46	112.27	109.97
14	A1	825	CLA	O2A-CGA-CBA	2.46	119.62	111.91
14	B5	1826	CLA	CED-O2D-CGD	2.46	121.49	115.94
16	J2	102	BCR	C30-C25-C26	-2.46	119.15	122.61
14	B6	841	CLA	CHD-C4C-C3C	-2.46	121.23	124.84
14	A5	805	CLA	CHB-C4A-NA	2.46	127.91	124.51
14	X6	1701	CLA	CHD-C4C-C3C	-2.46	121.23	124.84
16	A1	847	BCR	C36-C18-C17	-2.46	119.48	122.92
14	A1	819	CLA	C2D-C1D-ND	2.45	111.91	110.10
14	A5	824	CLA	CAC-C3C-C4C	2.45	128.00	124.81
14	A2	1608	CLA	CED-O2D-CGD	2.45	121.49	115.94
14	B4	824	CLA	CED-O2D-CGD	2.45	121.49	115.94
14	A3	829	CLA	CMD-C2D-C1D	2.45	129.04	124.71
17	A1	849	LHG	C25-C24-C23	2.45	126.02	114.15
14	A5	810	CLA	CED-O2D-CGD	2.45	121.49	115.94
14	A5	839	CLA	C3D-C2D-C1D	-2.45	102.48	105.83
14	B4	835	CLA	CHD-C4C-C3C	-2.45	121.23	124.84
14	B1	829	CLA	CAC-C3C-C4C	2.45	127.99	124.81
16	A6	1648	BCR	C1-C6-C7	2.45	122.72	115.78
14	B2	838	CLA	C3D-C2D-C1D	-2.45	102.48	105.83
14	B3	1833	CLA	C3D-C2D-C1D	-2.45	102.48	105.83
14	B6	841	CLA	C3D-C2D-C1D	-2.45	102.48	105.83
14	B5	1819	CLA	C3D-C2D-C1D	-2.45	102.48	105.83
14	B3	1822	CLA	CED-O2D-CGD	2.45	121.48	115.94
16	A1	845	BCR	C30-C25-C24	2.45	122.72	115.78
14	X2	1701	CLA	C3C-C4C-NC	2.45	113.32	110.57
14	B3	1821	CLA	C2D-C1D-ND	2.45	111.91	110.10
14	F3	202	CLA	C2D-C1D-ND	2.45	111.91	110.10
14	K5	102	CLA	CAC-C3C-C4C	2.45	127.99	124.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B3	1816	CLA	O1D-CGD-CBD	-2.45	119.47	124.48
14	L2	207	CLA	CHD-C4C-C3C	-2.45	121.24	124.84
16	J1	104	BCR	C1-C6-C5	-2.45	119.16	122.61
14	A5	838	CLA	C4A-NA-C1A	2.45	107.81	106.71
16	F4	201	BCR	C36-C18-C19	2.45	121.94	118.08
14	B1	814	CLA	C3D-C2D-C1D	-2.45	102.49	105.83
14	K3	1401	CLA	C3D-C2D-C1D	-2.45	102.49	105.83
14	A4	835	CLA	CAC-C3C-C4C	2.45	127.99	124.81
14	B4	814	CLA	CAC-C3C-C4C	2.45	127.99	124.81
14	B5	1807	CLA	C2D-C1D-ND	2.45	111.91	110.10
16	A2	1647	BCR	C30-C25-C26	-2.45	119.16	122.61
14	B2	832	CLA	C3C-C4C-NC	2.45	113.32	110.57
14	L4	205	CLA	CAC-C3C-C4C	2.45	127.99	124.81
16	J3	103	BCR	C32-C1-C6	2.45	114.27	110.30
14	A4	804	CLA	C2D-C1D-ND	2.45	111.91	110.10
14	A6	1612	CLA	C2D-C1D-ND	2.45	111.91	110.10
16	A1	842	BCR	C30-C25-C26	-2.45	119.16	122.61
14	A4	832	CLA	O2A-CGA-CBA	2.45	119.59	111.91
14	L6	203	CLA	C3D-C4D-ND	2.45	114.20	110.24
16	A3	850	BCR	C30-C25-C24	2.45	122.71	115.78
16	L6	209	BCR	C37-C22-C23	2.45	121.94	118.08
14	K5	101	CLA	C3C-C4C-NC	2.45	113.32	110.57
14	A1	808	CLA	CHD-C4C-C3C	-2.45	121.24	124.84
14	A2	1630	CLA	CHD-C4C-C3C	-2.45	121.24	124.84
14	B3	1824	CLA	CMB-C2B-C3B	2.45	129.26	124.68
14	L3	202	CLA	C1D-ND-C4D	-2.45	104.60	106.33
14	A2	1613	CLA	CHD-C4C-C3C	-2.45	121.24	124.84
14	A5	813	CLA	CED-O2D-CGD	2.45	121.47	115.94
14	B1	838	CLA	C3D-C2D-C1D	-2.45	102.49	105.83
14	A3	840	CLA	C3D-C2D-C1D	-2.45	102.49	105.83
14	B1	813	CLA	CHD-C1D-ND	-2.45	122.20	124.45
14	B3	1825	CLA	CHD-C1D-ND	-2.45	122.20	124.45
16	B2	844	BCR	C34-C9-C10	-2.45	119.50	122.92
16	B6	844	BCR	C38-C26-C27	-2.45	108.92	113.62
14	A3	833	CLA	C3D-C2D-C1D	-2.45	102.49	105.83
14	B6	831	CLA	C3D-C2D-C1D	-2.45	102.49	105.83
14	A4	838	CLA	C3D-C4D-ND	2.45	114.19	110.24
14	B6	841	CLA	CHD-C1D-ND	-2.45	122.21	124.45
14	B3	1802	CLA	C3D-C2D-C1D	-2.45	102.49	105.83
14	A5	807	CLA	C3D-C2D-C1D	-2.45	102.49	105.83
14	B5	1831	CLA	C3C-C4C-NC	2.45	113.31	110.57
14	B5	1830	CLA	CAC-C3C-C4C	2.45	127.98	124.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	B5	1850	BCR	C36-C18-C19	2.45	121.93	118.08
14	B1	801	CLA	CED-O2D-CGD	2.45	121.47	115.94
14	A1	836	CLA	C3D-C2D-C1D	-2.45	102.49	105.83
14	B1	854	CLA	C3B-C4B-NB	2.45	112.37	109.21
16	J4	104	BCR	C36-C18-C19	2.44	121.93	118.08
14	A1	804	CLA	C3D-C2D-C1D	-2.44	102.50	105.83
14	A2	1610	CLA	C3D-C2D-C1D	-2.44	102.50	105.83
14	B4	802	CLA	C3D-C2D-C1D	-2.44	102.50	105.83
16	A4	846	BCR	C40-C30-C25	2.44	114.26	110.30
15	B2	841	PQN	C2M-C2-C3	-2.44	120.41	124.40
14	B3	1820	CLA	C3B-C4B-NB	2.44	112.37	109.21
16	L2	208	BCR	C37-C22-C23	2.44	121.93	118.08
16	A5	846	BCR	C1-C6-C5	-2.44	119.17	122.61
14	B4	829	CLA	CMC-C2C-C1C	2.44	128.76	125.04
14	B2	815	CLA	CHD-C1D-ND	-2.44	122.21	124.45
14	B3	1804	CLA	C3D-C2D-C1D	-2.44	102.50	105.83
14	B2	811	CLA	CED-O2D-CGD	2.44	121.46	115.94
14	B2	814	CLA	CMC-C2C-C1C	2.44	128.76	125.04
14	A2	1635	CLA	C3C-C4C-NC	2.44	113.31	110.57
14	K4	1401	CLA	C3D-C2D-C1D	-2.44	102.50	105.83
14	A6	1617	CLA	C3D-C2D-C1D	-2.44	102.50	105.83
14	A4	809	CLA	CHD-C4C-C3C	-2.44	121.25	124.84
14	A6	1609	CLA	CHD-C1D-ND	-2.44	122.21	124.45
16	J6	1104	BCR	C32-C1-C6	2.44	114.26	110.30
14	A6	1627	CLA	CHD-C4C-C3C	-2.44	121.25	124.84
14	A6	1651	CLA	C3D-C2D-C1D	-2.44	102.50	105.83
14	L1	205	CLA	C3D-C4D-ND	2.44	114.19	110.24
14	A5	828	CLA	C3B-C4B-NB	2.44	112.37	109.21
15	B6	842	PQN	C2M-C2-C3	-2.44	120.42	124.40
14	A1	836	CLA	CAC-C3C-C4C	2.44	127.98	124.81
14	A3	819	CLA	CAC-C3C-C4C	2.44	127.98	124.81
16	J1	103	BCR	C37-C22-C23	2.44	121.92	118.08
14	A1	827	CLA	C3D-C2D-C1D	-2.44	102.50	105.83
14	B1	805	CLA	O2A-CGA-O1A	-2.44	117.43	123.59
14	B1	826	CLA	C3C-C4C-NC	2.44	113.31	110.57
14	B5	1835	CLA	O1D-CGD-CBD	-2.44	119.49	124.48
16	J4	103	BCR	C37-C22-C23	2.44	121.92	118.08
14	B2	839	CLA	C3D-C2D-C1D	-2.44	102.50	105.83
14	A5	823	CLA	CHD-C1D-ND	-2.44	122.21	124.45
14	B2	819	CLA	CED-O2D-CGD	2.44	121.46	115.94
19	B4	851	LMG	O8-C28-C29	2.44	119.57	111.91
16	I4	102	BCR	C36-C18-C19	2.44	121.92	118.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B3	1835	CLA	CHD-C4C-C3C	-2.44	121.25	124.84
14	B5	1835	CLA	C3D-C2D-C1D	-2.44	102.50	105.83
14	A6	1635	CLA	CED-O2D-CGD	2.44	121.46	115.94
14	L6	208	CLA	O2A-CGA-CBA	2.44	119.56	111.91
14	B1	853	CLA	C1-C2-C3	2.44	130.26	126.04
14	B3	1814	CLA	O2A-CGA-CBA	2.44	121.87	114.03
16	J2	103	BCR	C36-C18-C19	2.44	121.92	118.08
14	A5	839	CLA	CHD-C1D-ND	-2.44	122.21	124.45
14	B6	836	CLA	CHD-C4C-C3C	-2.44	121.25	124.84
14	B6	812	CLA	CED-O2D-CGD	2.44	121.45	115.94
14	B1	828	CLA	C3D-C4D-ND	2.44	114.18	110.24
14	B6	802	CLA	C1D-ND-C4D	-2.44	104.60	106.33
14	L6	203	CLA	CMC-C2C-C1C	2.44	128.75	125.04
14	B4	813	CLA	C3D-C2D-C1D	-2.44	102.50	105.83
14	A5	817	CLA	C3D-C2D-C1D	-2.44	102.50	105.83
14	A3	830	CLA	O2A-CGA-CBA	2.44	119.56	111.91
14	B1	811	CLA	C1C-C2C-C3C	-2.44	104.39	106.96
14	B2	830	CLA	C3C-C4C-NC	2.44	113.31	110.57
14	A2	1611	CLA	CHD-C1D-ND	-2.44	122.21	124.45
14	A3	808	CLA	CHD-C1D-ND	-2.44	122.21	124.45
14	B2	810	CLA	CHD-C4C-C3C	-2.44	121.26	124.84
16	B1	847	BCR	C33-C5-C4	-2.44	108.93	113.62
14	A5	817	CLA	CED-O2D-CGD	2.44	121.45	115.94
14	L4	205	CLA	C4A-NA-C1A	2.44	107.80	106.71
14	A2	1618	CLA	CBC-CAC-C3C	-2.44	105.71	112.43
14	A3	826	CLA	O2A-CGA-CBA	2.44	119.56	111.91
14	A1	803	CLA	CMB-C2B-C3B	2.44	129.24	124.68
16	J1	104	BCR	C32-C1-C6	2.44	114.25	110.30
14	J2	101	CLA	C3C-C4C-NC	2.44	113.30	110.57
14	A6	1601	CLA	O2D-CGD-O1D	-2.44	119.07	123.84
16	J3	104	BCR	C36-C18-C19	2.44	121.92	118.08
14	A4	815	CLA	C3D-C2D-C1D	-2.44	102.51	105.83
14	A6	1634	CLA	C3D-C2D-C1D	-2.44	102.51	105.83
14	B6	823	CLA	C3D-C2D-C1D	-2.44	102.51	105.83
14	L5	206	CLA	C3D-C2D-C1D	-2.44	102.51	105.83
14	B1	811	CLA	CHD-C4C-C3C	-2.44	121.26	124.84
14	B4	812	CLA	C3C-C4C-NC	2.44	113.30	110.57
14	A5	831	CLA	C2C-C1C-NC	2.44	112.25	109.97
16	B5	1849	BCR	C33-C5-C4	-2.44	108.94	113.62
16	A3	851	BCR	C30-C25-C26	-2.44	119.18	122.61
14	A1	839	CLA	C4-C3-C5	2.44	119.37	115.27
14	F2	204	CLA	CAA-C2A-C3A	-2.44	110.42	116.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A3	830	CLA	CHD-C1D-ND	-2.44	122.22	124.45
14	A6	1601	CLA	C1D-ND-C4D	-2.44	104.61	106.33
14	B5	1818	CLA	CHD-C4C-C3C	-2.43	121.26	124.84
14	A1	830	CLA	C2C-C1C-NC	2.43	112.25	109.97
14	J1	101	CLA	CED-O2D-CGD	2.43	121.44	115.94
14	A5	806	CLA	CAC-C3C-C4C	2.43	127.97	124.81
14	B5	1820	CLA	C2D-C1D-ND	2.43	111.90	110.10
14	B6	809	CLA	CHD-C4C-C3C	-2.43	121.26	124.84
16	A6	1644	BCR	C1-C6-C5	-2.43	119.19	122.61
16	A1	846	BCR	C23-C22-C21	-2.43	115.21	118.94
14	B1	833	CLA	C3D-C2D-C1D	-2.43	102.51	105.83
14	B4	817	CLA	C3D-C2D-C1D	-2.43	102.51	105.83
14	A1	809	CLA	CED-O2D-CGD	2.43	121.44	115.94
14	L5	206	CLA	CAC-C3C-C4C	2.43	127.97	124.81
14	K2	1401	CLA	CHD-C1D-ND	-2.43	122.22	124.45
14	A1	820	CLA	C12-C11-C10	-2.43	102.06	113.24
14	A5	806	CLA	C3C-C4C-NC	2.43	113.30	110.57
14	B4	811	CLA	CHD-C4C-C3C	-2.43	121.27	124.84
14	B5	1840	CLA	CBC-CAC-C3C	-2.43	105.73	112.43
14	A5	821	CLA	CAC-C3C-C4C	2.43	127.97	124.81
14	B3	1803	CLA	C1C-C2C-C3C	-2.43	104.40	106.96
14	B5	1820	CLA	C3D-C2D-C1D	-2.43	102.51	105.83
14	A3	805	CLA	CHB-C4A-NA	2.43	127.87	124.51
14	A2	1603	CLA	CED-O2D-CGD	2.43	121.44	115.94
14	L1	202	CLA	O1D-CGD-CBD	-2.43	119.51	124.48
16	A6	1652	BCR	C37-C22-C23	2.43	121.91	118.08
14	A6	1613	CLA	C3D-C2D-C1D	-2.43	102.51	105.83
14	A4	825	CLA	O2A-CGA-CBA	2.43	119.53	111.91
14	B3	1841	CLA	CHD-C4C-C3C	-2.43	121.27	124.84
14	A5	825	CLA	CHD-C4C-C3C	-2.43	121.27	124.84
14	A3	811	CLA	C3D-C2D-C1D	-2.43	102.52	105.83
14	J5	101	CLA	C3C-C4C-NC	2.43	113.30	110.57
16	B4	850	BCR	C34-C9-C8	2.43	121.91	118.08
14	L4	205	CLA	CHD-C4C-C3C	-2.43	121.27	124.84
14	A3	820	CLA	C3D-C2D-C1D	-2.43	102.52	105.83
14	A5	820	CLA	C3D-C2D-C1D	-2.43	102.52	105.83
14	L4	201	CLA	O1D-CGD-CBD	-2.43	119.52	124.48
16	A5	848	BCR	C30-C25-C26	-2.43	119.19	122.61
16	A4	849	BCR	C33-C5-C6	2.43	127.25	124.53
14	F4	202	CLA	C1D-ND-C4D	-2.43	104.61	106.33
14	A2	1608	CLA	O2D-CGD-CBD	2.43	115.58	111.27
14	A3	815	CLA	CHD-C1D-ND	-2.43	122.22	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A6	1613	CLA	CHD-C1D-ND	-2.43	122.22	124.45
14	B4	841	CLA	C3D-C2D-C1D	-2.43	102.52	105.83
14	B4	843	CLA	C3D-C2D-C1D	-2.43	102.52	105.83
14	A6	1631	CLA	C2C-C1C-NC	2.43	112.25	109.97
14	A3	835	CLA	C3C-C4C-NC	2.43	113.29	110.57
14	A3	837	CLA	C1D-ND-C4D	-2.43	104.61	106.33
16	A6	1652	BCR	C33-C5-C6	2.43	127.25	124.53
14	A6	1613	CLA	CMB-C2B-C3B	2.43	129.22	124.68
14	A2	1613	CLA	CED-O2D-CGD	2.43	121.42	115.94
14	B2	832	CLA	O1D-CGD-CBD	-2.43	119.52	124.48
14	A1	826	CLA	CHD-C4C-C3C	-2.43	121.27	124.84
14	A1	831	CLA	O2A-CGA-CBA	2.43	119.52	111.91
14	K2	1401	CLA	C3D-C2D-C1D	-2.43	102.52	105.83
14	A3	809	CLA	C3D-C2D-C1D	-2.43	102.52	105.83
14	A2	1603	CLA	C1D-ND-C4D	-2.43	104.61	106.33
14	B2	821	CLA	CED-O2D-CGD	2.43	121.42	115.94
14	A6	1651	CLA	C1C-C2C-C3C	-2.42	104.41	106.96
14	A3	813	CLA	C3C-C4C-NC	2.42	113.29	110.57
14	B6	825	CLA	C3C-C4C-NC	2.42	113.29	110.57
14	A1	819	CLA	CHD-C1D-ND	-2.42	122.23	124.45
14	B2	822	CLA	CHD-C1D-ND	-2.42	122.23	124.45
14	A4	838	CLA	CHD-C1D-ND	-2.42	122.23	124.45
14	B2	813	CLA	O1D-CGD-CBD	-2.42	119.52	124.48
14	B1	801	CLA	C1C-C2C-C3C	-2.42	104.41	106.96
14	L4	201	CLA	O2A-CGA-CBA	2.42	119.51	111.91
14	B2	802	CLA	CHD-C4C-C3C	-2.42	121.28	124.84
14	A3	819	CLA	C3D-C2D-C1D	-2.42	102.52	105.83
16	J3	104	BCR	C1-C6-C5	-2.42	119.20	122.61
14	B2	834	CLA	CHD-C4C-C3C	-2.42	121.28	124.84
14	A2	1622	CLA	C1D-ND-C4D	-2.42	104.61	106.33
14	L3	205	CLA	C4A-NA-C1A	2.42	107.80	106.71
16	A1	847	BCR	C37-C22-C23	2.42	121.89	118.08
16	A3	851	BCR	C23-C22-C21	-2.42	115.22	118.94
14	A4	853	CLA	CED-O2D-CGD	2.42	121.41	115.94
16	J6	1104	BCR	C35-C13-C12	2.42	121.89	118.08
16	A4	847	BCR	C30-C25-C24	2.42	122.63	115.78
14	A4	806	CLA	CHD-C1D-ND	-2.42	122.23	124.45
14	B3	1809	CLA	CED-O2D-CGD	2.42	121.41	115.94
14	L1	205	CLA	O1D-CGD-CBD	-2.42	119.53	124.48
14	A3	836	CLA	CED-O2D-CGD	2.42	121.41	115.94
14	B4	821	CLA	CED-O2D-CGD	2.42	121.41	115.94
14	B6	838	CLA	C3D-C4D-ND	2.42	114.15	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A6	1616	CLA	C3D-C2D-C1D	-2.42	102.53	105.83
14	L1	207	CLA	CHD-C1D-ND	-2.42	122.23	124.45
14	A3	806	CLA	CAC-C3C-C4C	2.42	127.95	124.81
14	B1	804	CLA	C1C-C2C-C3C	-2.42	104.41	106.96
16	A1	845	BCR	C30-C25-C26	-2.42	119.20	122.61
16	A1	846	BCR	C30-C25-C26	-2.42	119.20	122.61
14	B6	805	CLA	CED-O2D-CGD	2.42	121.41	115.94
14	B2	805	CLA	O2A-CGA-CBA	2.42	119.50	111.91
14	F1	1301	CLA	C3D-C2D-C1D	-2.42	102.53	105.83
14	B3	1843	CLA	C3D-C2D-C1D	-2.42	102.53	105.83
14	A3	835	CLA	CHD-C4C-C3C	-2.42	121.28	124.84
14	B3	1823	CLA	CHD-C4C-C3C	-2.42	121.28	124.84
14	B6	823	CLA	CHD-C4C-C3C	-2.42	121.28	124.84
14	A3	820	CLA	CHD-C1D-ND	-2.42	122.23	124.45
14	B4	805	CLA	CED-O2D-CGD	2.42	121.41	115.94
14	B5	1822	CLA	CED-O2D-CGD	2.42	121.41	115.94
16	I3	101	BCR	C19-C18-C17	-2.42	115.23	118.94
14	B1	803	CLA	O2A-CGA-O1A	-2.42	117.49	123.59
16	B6	850	BCR	C38-C26-C25	2.42	127.24	124.53
16	B2	847	BCR	C37-C22-C23	2.42	121.89	118.08
14	B1	829	CLA	CED-O2D-CGD	2.42	121.40	115.94
14	A3	814	CLA	CED-O2D-CGD	2.42	121.40	115.94
14	A4	804	CLA	CED-O2D-CGD	2.42	121.40	115.94
16	B1	848	BCR	C35-C13-C12	2.42	121.89	118.08
14	L4	205	CLA	CHD-C1D-ND	-2.42	122.23	124.45
14	A4	841	CLA	C3D-C4D-ND	2.42	114.15	110.24
14	B5	1806	CLA	C3D-C2D-C1D	-2.42	102.53	105.83
14	A1	813	CLA	C3C-C4C-NC	2.42	113.28	110.57
14	A6	1632	CLA	C3C-C4C-NC	2.42	113.28	110.57
14	B6	830	CLA	O1D-CGD-CBD	-2.42	119.54	124.48
14	B3	1843	CLA	CHD-C4C-C3C	-2.42	121.29	124.84
16	B4	847	BCR	C1-C6-C5	-2.42	119.21	122.61
16	A3	852	BCR	C34-C9-C8	2.42	121.88	118.08
14	A6	1605	CLA	C1D-ND-C4D	-2.42	104.62	106.33
16	I4	102	BCR	C32-C1-C6	2.42	114.22	110.30
14	A6	1605	CLA	CED-O2D-CGD	2.42	121.40	115.94
16	B5	1850	BCR	C38-C26-C25	2.42	127.24	124.53
14	B6	815	CLA	CMB-C2B-C3B	2.41	129.20	124.68
14	A6	1614	CLA	CHD-C1D-ND	-2.41	122.23	124.45
16	I6	102	BCR	C19-C18-C17	-2.41	115.24	118.94
19	B1	850	LMG	O8-C28-C29	2.41	119.48	111.91
16	A1	847	BCR	C1-C6-C7	2.41	122.61	115.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A3	831	CLA	C3D-C4D-ND	2.41	114.14	110.24
16	F4	203	BCR	C33-C5-C6	2.41	127.24	124.53
16	A4	846	BCR	C33-C5-C4	-2.41	108.98	113.62
14	A2	1624	CLA	CHD-C4C-C3C	-2.41	121.29	124.84
16	M1	1202	BCR	C32-C1-C6	2.41	114.21	110.30
16	J4	103	BCR	C32-C1-C6	2.41	114.21	110.30
14	B5	1842	CLA	C3D-C2D-C1D	-2.41	102.54	105.83
16	J3	103	BCR	C30-C25-C26	-2.41	119.22	122.61
14	B4	806	CLA	C2D-C1D-ND	2.41	111.88	110.10
14	A5	823	CLA	C2D-C1D-ND	2.41	111.88	110.10
14	B3	1801	CLA	O2A-CGA-O1A	-2.41	117.50	123.59
14	B5	1809	CLA	CED-O2D-CGD	2.41	121.39	115.94
14	B3	1820	CLA	C3C-C4C-NC	2.41	113.28	110.57
14	B4	827	CLA	C3C-C4C-NC	2.41	113.28	110.57
14	B4	830	CLA	CED-O2D-CGD	2.41	121.39	115.94
14	B2	832	CLA	CHD-C4C-C3C	-2.41	121.30	124.84
14	B4	825	CLA	CHD-C4C-C3C	-2.41	121.30	124.84
16	J1	103	BCR	C38-C26-C27	-2.41	108.98	113.62
14	B3	1826	CLA	C4-C3-C5	2.41	119.33	115.27
14	L1	201	CLA	C3D-C2D-C1D	-2.41	102.54	105.83
14	B4	835	CLA	C3D-C2D-C1D	-2.41	102.54	105.83
14	B5	1843	CLA	C3D-C2D-C1D	-2.41	102.54	105.83
14	A4	801	CLA	CGD-CBD-CAD	2.41	118.55	110.73
19	B2	848	LMG	O8-C28-C29	2.41	119.47	111.91
14	L4	203	CLA	C3D-C4D-ND	2.41	114.14	110.24
16	F4	201	BCR	C35-C13-C12	2.41	121.88	118.08
14	B4	837	CLA	CHD-C4C-C3C	-2.41	121.30	124.84
14	A6	1613	CLA	CED-O2D-CGD	2.41	121.39	115.94
14	A4	824	CLA	C3D-C2D-C1D	-2.41	102.54	105.83
14	B1	829	CLA	CMC-C2C-C1C	2.41	128.71	125.04
14	A6	1631	CLA	C3D-C2D-C1D	-2.41	102.54	105.83
14	A6	1640	CLA	C3D-C2D-C1D	-2.41	102.54	105.83
14	A2	1604	CLA	CBC-CAC-C3C	-2.41	105.79	112.43
14	B2	834	CLA	CED-O2D-CGD	2.41	121.39	115.94
14	B1	838	CLA	C1D-ND-C4D	-2.41	104.62	106.33
14	L3	202	CLA	CHD-C4C-C3C	-2.41	121.30	124.84
14	A5	827	CLA	CHD-C4C-C3C	-2.41	121.30	124.84
14	B6	802	CLA	CBC-CAC-C3C	-2.41	105.79	112.43
14	B4	808	CLA	CMB-C2B-C3B	2.41	129.19	124.68
14	L1	207	CLA	C3D-C2D-C1D	-2.41	102.54	105.83
16	A3	856	BCR	C37-C22-C23	2.41	121.87	118.08
14	A4	819	CLA	CHD-C4C-C3C	-2.41	121.30	124.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	L2	207	CLA	C4A-NA-C1A	2.41	107.79	106.71
14	A3	801	CLA	CBC-CAC-C3C	-2.41	105.79	112.43
14	B5	1813	CLA	O2A-CGA-O1A	-2.41	117.30	123.30
14	J6	1103	CLA	CAA-C2A-C3A	-2.41	110.48	116.10
14	B6	811	CLA	C3D-C2D-C1D	-2.41	102.54	105.83
14	B6	814	CLA	C2D-C1D-ND	2.41	111.88	110.10
14	A5	804	CLA	CMB-C2B-C3B	2.41	129.18	124.68
14	A3	816	CLA	CHD-C4C-C3C	-2.41	121.30	124.84
14	A5	836	CLA	CHD-C4C-C3C	-2.41	121.30	124.84
14	B6	819	CLA	CED-O2D-CGD	2.41	121.38	115.94
14	A4	818	CLA	CHD-C1D-ND	-2.41	122.24	124.45
14	L5	203	CLA	CHD-C1D-ND	-2.41	122.24	124.45
14	B4	811	CLA	C12-C11-C10	-2.41	102.17	113.24
14	A4	853	CLA	O2D-CGD-O1D	-2.41	119.13	123.84
16	J5	103	BCR	C19-C18-C17	-2.41	115.25	118.94
14	A2	1604	CLA	C3D-C2D-C1D	-2.41	102.55	105.83
14	B6	833	CLA	C3D-C2D-C1D	-2.41	102.55	105.83
16	J6	1104	BCR	C30-C25-C26	-2.41	119.22	122.61
14	B3	1821	CLA	CED-O2D-CGD	2.41	121.38	115.94
14	B4	841	CLA	CHD-C4C-C3C	-2.41	121.30	124.84
14	B3	1837	CLA	CED-O2D-CGD	2.41	121.38	115.94
14	A6	1634	CLA	CHD-C1D-ND	-2.41	122.24	124.45
14	A4	810	CLA	CED-O2D-CGD	2.41	121.38	115.94
16	A3	852	BCR	C1-C6-C7	2.41	122.59	115.78
14	B2	805	CLA	CMB-C2B-C3B	2.41	129.18	124.68
14	B4	829	CLA	CMB-C2B-C3B	2.41	129.18	124.68
14	A4	832	CLA	C3C-C4C-NC	2.41	113.27	110.57
14	A4	816	CLA	CED-O2D-CGD	2.41	121.38	115.94
16	F2	203	BCR	C1-C6-C5	-2.41	119.22	122.61
14	A5	811	CLA	C3D-C2D-C1D	-2.41	102.55	105.83
14	B5	1842	CLA	CHD-C4C-C3C	-2.41	121.30	124.84
14	A2	1628	CLA	O2A-CGA-CBA	2.41	119.46	111.91
14	A2	1621	CLA	CHD-C1D-ND	-2.41	122.24	124.45
14	A4	810	CLA	C3D-C2D-C1D	-2.41	102.55	105.83
14	B4	826	CLA	CHD-C4C-C3C	-2.41	121.30	124.84
14	A5	841	CLA	C1-O2A-CGA	2.41	122.75	116.44
16	L5	207	BCR	C38-C26-C25	2.41	127.23	124.53
16	A3	850	BCR	C30-C25-C26	-2.41	119.23	122.61
14	A5	843	CLA	O1D-CGD-CBD	-2.41	119.56	124.48
14	L6	208	CLA	CHD-C4C-C3C	-2.40	121.31	124.84
14	B1	813	CLA	CAC-C3C-C4C	2.40	127.93	124.81
14	J3	102	CLA	C2D-C1D-ND	2.40	111.88	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	A3	852	BCR	C33-C5-C6	2.40	127.23	124.53
14	B2	808	CLA	C12-C11-C10	-2.40	102.19	113.24
14	L3	205	CLA	CHD-C4C-C3C	-2.40	121.31	124.84
14	A2	1640	CLA	C3D-C2D-C1D	-2.40	102.55	105.83
14	B6	804	CLA	O2D-CGD-CBD	2.40	115.54	111.27
14	B4	827	CLA	O1D-CGD-CBD	-2.40	119.56	124.48
14	B3	1830	CLA	CAC-C3C-C4C	2.40	127.93	124.81
16	A3	852	BCR	C36-C18-C17	-2.40	119.56	122.92
14	A5	829	CLA	CMD-C2D-C1D	2.40	128.95	124.71
14	A3	839	CLA	C3D-C2D-C1D	-2.40	102.55	105.83
14	B6	818	CLA	C3D-C2D-C1D	-2.40	102.55	105.83
14	B1	807	CLA	C3C-C4C-NC	2.40	113.27	110.57
14	A2	1604	CLA	C3C-C4C-NC	2.40	113.27	110.57
14	B3	1823	CLA	C3C-C4C-NC	2.40	113.27	110.57
14	A4	853	CLA	C1D-ND-C4D	-2.40	104.63	106.33
14	L5	204	CLA	O1D-CGD-CBD	-2.40	119.57	124.48
16	A6	1647	BCR	C30-C25-C26	-2.40	119.23	122.61
14	A3	815	CLA	C3C-C4C-NC	2.40	113.27	110.57
14	A4	820	CLA	C3C-C4C-NC	2.40	113.27	110.57
14	A6	1614	CLA	CED-O2D-CGD	2.40	121.37	115.94
14	B1	818	CLA	CMB-C2B-C3B	2.40	129.17	124.68
14	B5	1808	CLA	CMB-C2B-C3B	2.40	129.17	124.68
14	A6	1619	CLA	O2A-CGA-O1A	-2.40	117.53	123.59
14	L3	203	CLA	C3D-C4D-ND	2.40	114.12	110.24
14	B5	1801	CLA	CHD-C1D-ND	-2.40	122.25	124.45
14	B6	839	CLA	C3D-C4D-ND	2.40	114.12	110.24
14	A4	808	CLA	CMB-C2B-C3B	2.40	129.17	124.68
16	A4	847	BCR	C30-C25-C26	-2.40	119.23	122.61
16	A6	1648	BCR	C36-C18-C17	-2.40	119.56	122.92
14	B1	839	CLA	CBC-CAC-C3C	-2.40	105.81	112.43
14	B3	1810	CLA	CHD-C1D-ND	-2.40	122.25	124.45
14	B2	815	CLA	CHD-C4C-C3C	-2.40	121.31	124.84
14	B5	1812	CLA	C3B-C4B-NB	2.40	112.31	109.21
14	A4	820	CLA	CAC-C3C-C4C	2.40	127.92	124.81
14	B3	1808	CLA	O2A-CGA-CBA	2.40	119.44	111.91
14	B3	1835	CLA	C3D-C2D-C1D	-2.40	102.56	105.83
14	B4	825	CLA	C3D-C2D-C1D	-2.40	102.56	105.83
14	B4	819	CLA	C3C-C4C-NC	2.40	113.26	110.57
14	A2	1618	CLA	CHD-C1D-ND	-2.40	122.25	124.45
14	B1	811	CLA	C12-C11-C10	-2.40	102.22	113.24
14	B4	823	CLA	CED-O2D-CGD	2.40	121.36	115.94
14	B1	821	CLA	CHD-C4C-C3C	-2.40	121.31	124.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A5	832	CLA	CHD-C4C-C3C	-2.40	121.31	124.84
16	J3	103	BCR	C19-C18-C17	-2.40	115.26	118.94
14	A5	823	CLA	CAC-C3C-C4C	2.40	127.92	124.81
14	B2	817	CLA	C3D-C2D-C1D	-2.40	102.56	105.83
16	I3	101	BCR	C38-C26-C25	2.40	127.22	124.53
14	A5	802	CLA	C1C-C2C-C3C	-2.40	104.44	106.96
14	B4	834	CLA	CHD-C4C-C3C	-2.40	121.31	124.84
14	B5	1823	CLA	O2A-CGA-CBA	2.40	121.73	114.03
14	B1	823	CLA	C2D-C1D-ND	2.40	111.87	110.10
14	B5	1808	CLA	C3C-C4C-NC	2.40	113.26	110.57
14	A3	804	CLA	CMB-C2B-C3B	2.40	129.16	124.68
14	B3	1806	CLA	C3D-C2D-C1D	-2.40	102.56	105.83
14	X3	102	CLA	C1D-ND-C4D	-2.40	104.63	106.33
14	A1	818	CLA	CHD-C1D-ND	-2.40	122.25	124.45
14	B6	805	CLA	C12-C11-C10	-2.40	102.22	113.24
14	A2	1627	CLA	C3D-C2D-C1D	-2.40	102.56	105.83
14	B1	837	CLA	C2D-C1D-ND	2.40	111.87	110.10
14	A2	1612	CLA	CED-O2D-CGD	2.40	121.36	115.94
14	A5	814	CLA	CED-O2D-CGD	2.40	121.36	115.94
14	A3	831	CLA	C3D-C2D-C1D	-2.40	102.56	105.83
14	A6	1639	CLA	C3D-C2D-C1D	-2.40	102.56	105.83
14	B4	825	CLA	CHD-C1D-ND	-2.40	122.25	124.45
14	A3	829	CLA	CHD-C4C-C3C	-2.40	121.32	124.84
14	A6	1609	CLA	CHD-C4C-C3C	-2.40	121.32	124.84
14	A2	1623	CLA	C12-C11-C10	-2.40	102.23	113.24
14	J3	102	CLA	CAA-C2A-C3A	-2.40	110.51	116.10
14	B4	836	CLA	CHB-C4A-NA	2.40	127.83	124.51
14	A2	1611	CLA	C3D-C2D-C1D	-2.40	102.56	105.83
14	A2	1613	CLA	C3D-C2D-C1D	-2.40	102.56	105.83
14	A6	1619	CLA	C3D-C2D-C1D	-2.40	102.56	105.83
14	B4	842	CLA	C3D-C4D-ND	2.40	114.11	110.24
14	J4	102	CLA	CAA-C2A-C3A	-2.40	110.51	116.10
14	B3	1833	CLA	C3C-C4C-NC	2.40	113.26	110.57
14	B5	1823	CLA	O1D-CGD-CBD	-2.39	119.58	124.48
16	I5	101	BCR	C19-C18-C17	-2.39	115.27	118.94
14	A3	819	CLA	C3C-C4C-NC	2.39	113.26	110.57
14	A3	820	CLA	CHD-C4C-C3C	-2.39	121.32	124.84
16	A2	1649	BCR	C37-C22-C23	2.39	121.85	118.08
14	A1	825	CLA	C3B-C4B-NB	2.39	112.31	109.21
14	B4	824	CLA	C3B-C4B-NB	2.39	112.31	109.21
14	A5	826	CLA	C3D-C4D-ND	2.39	114.11	110.24
16	M2	1202	BCR	C38-C26-C25	2.39	127.22	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	A1	842	BCR	C1-C6-C5	-2.39	119.24	122.61
16	B5	1847	BCR	C33-C5-C4	-2.39	109.02	113.62
14	A1	805	CLA	C3C-C4C-NC	2.39	113.25	110.57
14	B3	1805	CLA	C3C-C4C-NC	2.39	113.25	110.57
14	A2	1644	CLA	C3D-C4D-ND	2.39	114.11	110.24
14	A2	1618	CLA	C3D-C2D-C1D	-2.39	102.56	105.83
14	A6	1633	CLA	C3D-C2D-C1D	-2.39	102.56	105.83
14	A5	832	CLA	C3D-C2D-C1D	-2.39	102.56	105.83
14	A2	1621	CLA	C3B-C4B-NB	2.39	112.30	109.21
14	B6	810	CLA	CAC-C3C-C4C	2.39	127.92	124.81
14	A4	815	CLA	CBC-CAC-C3C	-2.39	105.83	112.43
14	B3	1827	CLA	CHD-C1D-ND	-2.39	122.25	124.45
14	B6	833	CLA	O1D-CGD-CBD	-2.39	119.59	124.48
14	B4	815	CLA	CHD-C4C-C3C	-2.39	121.32	124.84
14	A6	1625	CLA	C3D-C2D-C1D	-2.39	102.57	105.83
14	B6	813	CLA	O1D-CGD-CBD	-2.39	119.59	124.48
14	K3	1401	CLA	CAC-C3C-C4C	2.39	127.91	124.81
16	B1	845	BCR	C1-C6-C5	-2.39	119.24	122.61
16	I5	102	BCR	C36-C18-C19	2.39	121.85	118.08
16	B2	843	BCR	C38-C26-C27	-2.39	109.02	113.62
14	A6	1602	CLA	CBC-CAC-C3C	-2.39	105.84	112.43
14	A3	813	CLA	C3D-C2D-C1D	-2.39	102.57	105.83
14	A4	842	CLA	C3D-C2D-C1D	-2.39	102.57	105.83
14	J6	1103	CLA	C3C-C4C-NC	2.39	113.25	110.57
14	A4	833	CLA	CHD-C4C-C3C	-2.39	121.33	124.84
16	B3	1848	BCR	C38-C26-C25	2.39	127.21	124.53
14	A3	837	CLA	C2D-C1D-ND	2.39	111.87	110.10
16	A5	848	BCR	C37-C22-C23	2.39	121.84	118.08
14	A4	841	CLA	CAC-C3C-C4C	2.39	127.91	124.81
14	A5	813	CLA	CAC-C3C-C4C	2.39	127.91	124.81
14	A5	814	CLA	CAC-C3C-C4C	2.39	127.91	124.81
14	A4	816	CLA	C3D-C4D-ND	2.39	114.11	110.24
14	B6	836	CLA	O2A-CGA-CBA	2.39	121.71	114.03
14	B2	824	CLA	CHD-C1D-ND	-2.39	122.26	124.45
14	A3	833	CLA	O2A-CGA-CBA	2.39	119.41	111.91
14	A6	1615	CLA	C3C-C4C-NC	2.39	113.25	110.57
14	B2	816	CLA	CED-O2D-CGD	2.39	121.34	115.94
14	B6	812	CLA	CAC-C3C-C4C	2.39	127.91	124.81
14	K5	101	CLA	CAC-C3C-C4C	2.39	127.91	124.81
14	B5	1825	CLA	C3C-C4C-NC	2.39	113.25	110.57
14	B6	839	CLA	O2A-CGA-O1A	-2.39	117.56	123.59
14	A4	837	CLA	C3D-C2D-C1D	-2.39	102.57	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	A6	1652	BCR	C34-C9-C8	2.39	121.84	118.08
14	A2	1635	CLA	C3D-C4D-ND	2.39	114.10	110.24
14	A4	818	CLA	C3B-C4B-NB	2.39	112.30	109.21
14	B4	812	CLA	C3B-C4B-NB	2.39	112.30	109.21
14	B4	804	CLA	CHD-C4C-C3C	-2.39	121.33	124.84
14	B5	1825	CLA	CHD-C4C-C3C	-2.39	121.33	124.84
14	B4	830	CLA	O2A-C1-C2	2.39	114.91	108.64
14	A3	802	CLA	O2D-CGD-O1D	-2.39	119.17	123.84
14	B1	822	CLA	C1D-ND-C4D	-2.39	104.64	106.33
14	F6	202	CLA	CHD-C4C-C3C	-2.39	121.33	124.84
16	B4	847	BCR	C38-C26-C25	2.39	127.21	124.53
14	A2	1620	CLA	CED-O2D-CGD	2.39	121.34	115.94
14	B1	832	CLA	C2D-C1D-ND	2.39	111.86	110.10
14	B4	827	CLA	C2D-C1D-ND	2.39	111.86	110.10
14	L6	202	CLA	CMC-C2C-C1C	2.39	128.68	125.04
14	A1	801	CLA	CHD-C4C-C3C	-2.39	121.33	124.84
14	A6	1619	CLA	C3C-C4C-NC	2.39	113.25	110.57
14	B6	833	CLA	CED-O2D-CGD	2.39	121.34	115.94
14	A2	1616	CLA	CAC-C3C-C4C	2.39	127.91	124.81
14	B2	811	CLA	CAC-C3C-C4C	2.39	127.91	124.81
14	A6	1616	CLA	CMC-C2C-C1C	2.39	128.68	125.04
14	B1	819	CLA	CHD-C1D-ND	-2.39	122.26	124.45
14	A2	1626	CLA	CHD-C1D-ND	-2.39	122.26	124.45
14	A4	833	CLA	CHD-C1D-ND	-2.39	122.26	124.45
14	A6	1608	CLA	O2A-CGA-O1A	-2.39	117.57	123.59
14	B4	807	CLA	C2D-C1D-ND	2.39	111.86	110.10
14	B6	819	CLA	C2D-C1D-ND	2.39	111.86	110.10
14	B3	1841	CLA	C3D-C2D-C1D	-2.39	102.57	105.83
14	A6	1627	CLA	C3D-C2D-C1D	-2.39	102.57	105.83
14	A2	1625	CLA	CHD-C1D-ND	-2.39	122.26	124.45
15	B3	1844	PQN	C17-C16-C15	-2.39	106.88	113.36
14	A2	1621	CLA	CAC-C3C-C4C	2.39	127.91	124.81
14	B3	1840	CLA	CBC-CAC-C3C	-2.39	105.85	112.43
16	L1	203	BCR	C2-C1-C6	2.39	114.15	110.48
14	A4	831	CLA	CHD-C4C-C3C	-2.39	121.33	124.84
16	J6	1104	BCR	C19-C18-C17	-2.39	115.28	118.94
14	B3	1804	CLA	C1C-C2C-C3C	-2.39	104.45	106.96
14	A4	805	CLA	CED-O2D-CGD	2.39	121.33	115.94
16	A4	849	BCR	C1-C6-C7	2.39	122.53	115.78
14	L1	201	CLA	C2D-C1D-ND	2.39	111.86	110.10
14	B1	816	CLA	CMC-C2C-C1C	2.38	128.67	125.04
14	A4	824	CLA	CMC-C2C-C1C	2.38	128.67	125.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	I1	103	BCR	C38-C26-C25	2.38	127.21	124.53
14	A3	805	CLA	CED-O2D-CGD	2.38	121.33	115.94
14	J1	102	CLA	CAA-C2A-C3A	-2.38	110.53	116.10
14	A2	1618	CLA	CHD-C4C-C3C	-2.38	121.33	124.84
14	A6	1631	CLA	O1D-CGD-CBD	-2.38	119.61	124.48
14	A3	823	CLA	C4A-NA-C1A	2.38	107.78	106.71
14	A2	1617	CLA	C3C-C4C-NC	2.38	113.25	110.57
14	F2	204	CLA	C3C-C4C-NC	2.38	113.25	110.57
14	B4	842	CLA	O2A-CGA-CBA	2.38	119.39	111.91
14	B4	833	CLA	C2D-C1D-ND	2.38	111.86	110.10
14	B1	801	CLA	C3D-C2D-C1D	-2.38	102.58	105.83
14	A3	842	CLA	C3D-C2D-C1D	-2.38	102.58	105.83
14	B5	1833	CLA	C3D-C2D-C1D	-2.38	102.58	105.83
14	A1	808	CLA	CMB-C2B-C3B	2.38	129.14	124.68
14	B1	815	CLA	CHD-C4C-C3C	-2.38	121.34	124.84
14	A2	1603	CLA	C1C-C2C-C3C	-2.38	104.45	106.96
14	A6	1619	CLA	CAC-C3C-C4C	2.38	127.90	124.81
16	B3	1851	BCR	C8-C7-C6	2.38	133.89	127.20
14	L6	208	CLA	CHD-C1D-ND	-2.38	122.27	124.45
14	A5	813	CLA	C3C-C4C-NC	2.38	113.24	110.57
14	A5	818	CLA	CAC-C3C-C4C	2.38	127.90	124.81
14	A5	810	CLA	C3D-C2D-C1D	-2.38	102.58	105.83
14	A5	836	CLA	C3D-C2D-C1D	-2.38	102.58	105.83
14	B6	806	CLA	C2D-C1D-ND	2.38	111.86	110.10
14	A1	817	CLA	O2A-CGA-O1A	-2.38	117.58	123.59
16	A4	847	BCR	C37-C22-C23	2.38	121.83	118.08
14	B1	828	CLA	C1C-C2C-C3C	-2.38	104.45	106.96
14	B2	801	CLA	C1C-C2C-C3C	-2.38	104.45	106.96
14	A5	807	CLA	CHD-C1D-ND	-2.38	122.27	124.45
14	A4	833	CLA	C3C-C4C-NC	2.38	113.24	110.57
16	A2	1650	BCR	C30-C25-C26	-2.38	119.26	122.61
14	B2	817	CLA	C2D-C1D-ND	2.38	111.86	110.10
14	A3	817	CLA	C3D-C2D-C1D	-2.38	102.58	105.83
14	A3	818	CLA	CED-O2D-CGD	2.38	121.32	115.94
14	A4	831	CLA	CED-O2D-CGD	2.38	121.32	115.94
16	A6	1646	BCR	C30-C25-C26	-2.38	119.26	122.61
14	K6	1401	CLA	C3D-C2D-C1D	-2.38	102.58	105.83
14	B4	830	CLA	CAC-C3C-C4C	2.38	127.90	124.81
14	B5	1817	CLA	CMC-C2C-C1C	2.38	128.66	125.04
14	A3	812	CLA	C2D-C1D-ND	2.38	111.86	110.10
14	A5	804	CLA	CAC-C3C-C4C	2.38	127.90	124.81
14	B2	834	CLA	CMB-C2B-C3B	2.38	129.13	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A6	1609	CLA	CMC-C2C-C1C	2.38	128.66	125.04
14	A4	807	CLA	O1D-CGD-CBD	-2.38	119.62	124.48
16	B2	847	BCR	C34-C9-C8	2.38	121.82	118.08
16	L3	206	BCR	C37-C22-C23	2.38	121.82	118.08
16	J4	103	BCR	C35-C13-C12	2.38	121.82	118.08
16	F4	204	BCR	C8-C7-C6	2.38	133.88	127.20
14	B4	835	CLA	C3C-C4C-NC	2.38	113.24	110.57
14	A6	1613	CLA	C3C-C4C-NC	2.38	113.24	110.57
16	J3	104	BCR	C32-C1-C6	2.38	114.16	110.30
14	I6	101	CLA	C3D-C2D-C1D	-2.38	102.59	105.83
14	B6	820	CLA	CED-O2D-CGD	2.38	121.31	115.94
14	B2	802	CLA	CMC-C2C-C1C	2.38	128.66	125.04
14	B5	1805	CLA	CAC-C3C-C4C	2.38	127.89	124.81
14	B1	804	CLA	O2D-CGD-CBD	2.38	115.49	111.27
14	B6	839	CLA	CHD-C1D-ND	-2.38	122.27	124.45
14	A6	1638	CLA	CED-O2D-CGD	2.38	121.31	115.94
14	B1	806	CLA	C3C-C4C-NC	2.38	113.24	110.57
14	A1	816	CLA	C3D-C2D-C1D	-2.38	102.59	105.83
14	B1	839	CLA	C3D-C2D-C1D	-2.38	102.59	105.83
14	B2	827	CLA	C3D-C2D-C1D	-2.38	102.59	105.83
14	A6	1605	CLA	C3D-C2D-C1D	-2.38	102.59	105.83
16	B2	850	BCR	C8-C7-C6	2.38	133.88	127.20
16	M4	101	BCR	C38-C26-C25	2.38	127.20	124.53
14	J4	102	CLA	CHD-C1D-ND	-2.38	122.27	124.45
14	A4	840	CLA	CED-O2D-CGD	2.38	121.31	115.94
14	B4	832	CLA	C3D-C2D-C1D	-2.38	102.59	105.83
16	A2	1652	BCR	C1-C6-C7	2.38	122.50	115.78
14	A1	827	CLA	C3B-C4B-NB	2.38	112.28	109.21
14	A1	824	CLA	C1D-ND-C4D	-2.38	104.65	106.33
16	J1	103	BCR	C30-C25-C26	-2.38	119.27	122.61
14	A1	830	CLA	O1D-CGD-CBD	-2.38	119.62	124.48
14	B5	1841	CLA	CHD-C4C-C3C	-2.38	121.35	124.84
14	B1	835	CLA	CHB-C4A-NA	2.38	127.80	124.51
14	A4	817	CLA	CAC-C3C-C4C	2.38	127.89	124.81
16	B4	850	BCR	C33-C5-C6	2.38	127.19	124.53
14	B4	852	CLA	O1D-CGD-CBD	-2.37	119.62	124.48
14	J5	102	CLA	CAA-C2A-C3A	-2.37	110.56	116.10
14	A3	813	CLA	CHD-C1D-ND	-2.37	122.27	124.45
16	A4	846	BCR	C37-C22-C23	2.37	121.82	118.08
14	B5	1816	CLA	CHD-C4C-C3C	-2.37	121.35	124.84
16	B1	848	BCR	C36-C18-C19	2.37	121.82	118.08
14	B6	818	CLA	C3C-C4C-NC	2.37	113.23	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A4	829	CLA	C3D-C2D-C1D	-2.37	102.59	105.83
14	A6	1610	CLA	C3D-C2D-C1D	-2.37	102.59	105.83
16	B6	850	BCR	C33-C5-C4	-2.37	109.06	113.62
14	B6	814	CLA	CHD-C4C-C3C	-2.37	121.35	124.84
14	A1	817	CLA	CED-O2D-CGD	2.37	121.30	115.94
14	A3	816	CLA	C3D-C2D-C1D	-2.37	102.59	105.83
14	B5	1804	CLA	C3D-C2D-C1D	-2.37	102.59	105.83
14	A3	808	CLA	O2A-CGA-O1A	-2.37	117.60	123.59
14	B6	829	CLA	CMC-C2C-C1C	2.37	128.65	125.04
14	B5	1831	CLA	C1C-C2C-C3C	-2.37	104.46	106.96
14	B4	826	CLA	CED-O2D-CGD	2.37	121.30	115.94
14	A3	821	CLA	C3C-C4C-NC	2.37	113.23	110.57
14	A5	834	CLA	C3C-C4C-NC	2.37	113.23	110.57
14	A4	803	CLA	O1D-CGD-CBD	-2.37	119.63	124.48
14	A2	1604	CLA	C3D-C4D-ND	2.37	114.07	110.24
14	X5	101	CLA	CHD-C4C-C3C	-2.37	121.35	124.84
16	A6	1647	BCR	C23-C22-C21	-2.37	115.30	118.94
14	A1	831	CLA	C3D-C2D-C1D	-2.37	102.59	105.83
14	B2	829	CLA	CMC-C2C-C1C	2.37	128.65	125.04
14	A3	816	CLA	CMC-C2C-C1C	2.37	128.65	125.04
14	B3	1811	CLA	CMC-C2C-C1C	2.37	128.65	125.04
14	B5	1805	CLA	C4A-NA-C1A	2.37	107.77	106.71
14	B1	853	CLA	CHD-C1D-ND	-2.37	122.28	124.45
14	A2	1622	CLA	CHD-C1D-ND	-2.37	122.28	124.45
14	B6	822	CLA	C3C-C4C-NC	2.37	113.23	110.57
14	B4	812	CLA	C2D-C1D-ND	2.37	111.85	110.10
14	A5	836	CLA	C2D-C1D-ND	2.37	111.85	110.10
14	A2	1636	CLA	C3C-C4C-NC	2.37	113.23	110.57
14	A2	1620	CLA	CAC-C3C-C4C	2.37	127.89	124.81
14	F6	202	CLA	CAC-C3C-C4C	2.37	127.89	124.81
16	A2	1652	BCR	C33-C5-C6	2.37	127.19	124.53
16	F3	201	BCR	C38-C26-C25	2.37	127.19	124.53
14	B3	1811	CLA	C1C-C2C-C3C	-2.37	104.47	106.96
14	J6	1103	CLA	C2D-C1D-ND	2.37	111.85	110.10
14	X6	1701	CLA	CMC-C2C-C1C	2.37	128.65	125.04
14	B4	839	CLA	C1D-ND-C4D	-2.37	104.65	106.33
16	J3	103	BCR	C38-C26-C27	-2.37	109.06	113.62
14	B5	1808	CLA	O2A-CGA-CBA	2.37	119.34	111.91
14	B4	811	CLA	C1C-C2C-C3C	-2.37	104.47	106.96
14	B6	824	CLA	CMC-C2C-C1C	2.37	128.65	125.04
14	B2	828	CLA	C3D-C4D-ND	2.37	114.07	110.24
14	B3	1819	CLA	C3D-C4D-ND	2.37	114.07	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B4	820	CLA	C3B-C4B-NB	2.37	112.27	109.21
14	A6	1640	CLA	CED-O2D-CGD	2.37	121.29	115.94
14	B1	806	CLA	CAC-C3C-C4C	2.37	127.88	124.81
14	B2	827	CLA	CAC-C3C-C4C	2.37	127.88	124.81
14	A1	809	CLA	C3D-C2D-C1D	-2.37	102.60	105.83
14	A5	833	CLA	C3D-C2D-C1D	-2.37	102.60	105.83
16	A3	849	BCR	C33-C5-C4	-2.37	109.07	113.62
16	A5	850	BCR	C34-C9-C8	2.37	121.81	118.08
14	A3	814	CLA	O2A-CGA-O1A	-2.37	117.40	123.30
14	B3	1814	CLA	CHD-C1D-ND	-2.37	122.28	124.45
14	A2	1611	CLA	CMB-C2B-C3B	2.37	129.11	124.68
14	A1	815	CLA	CBC-CAC-C3C	-2.37	105.90	112.43
14	L1	207	CLA	CHD-C4C-C3C	-2.37	121.36	124.84
14	A5	822	CLA	CHD-C4C-C3C	-2.37	121.36	124.84
14	A6	1610	CLA	O2A-CGA-CBA	2.37	121.64	114.03
14	A2	1623	CLA	C3C-C4C-NC	2.37	113.23	110.57
14	B3	1802	CLA	C3C-C4C-NC	2.37	113.23	110.57
14	A6	1651	CLA	CMB-C2B-C3B	2.37	129.11	124.68
14	B1	832	CLA	CED-O2D-CGD	2.37	121.29	115.94
16	F2	201	BCR	C38-C26-C25	2.37	127.19	124.53
16	A2	1649	BCR	C33-C5-C4	-2.37	109.07	113.62
14	A2	1633	CLA	O1D-CGD-CBD	-2.37	119.64	124.48
14	B3	1804	CLA	CHD-C1D-ND	-2.37	122.28	124.45
14	A4	818	CLA	O2A-CGA-O1A	-2.37	117.62	123.59
14	B1	830	CLA	O2A-CGA-O1A	-2.37	117.62	123.59
16	M2	1202	BCR	C32-C1-C6	2.37	114.14	110.30
14	A1	832	CLA	CHD-C4C-C3C	-2.37	121.36	124.84
14	B3	1821	CLA	CHD-C4C-C3C	-2.37	121.36	124.84
14	B6	832	CLA	CHD-C4C-C3C	-2.37	121.36	124.84
14	B1	819	CLA	C3B-C4B-NB	2.37	112.27	109.21
14	L6	208	CLA	C3D-C2D-C1D	-2.37	102.60	105.83
14	L6	206	CLA	CHD-C1D-ND	-2.37	122.28	124.45
14	B6	809	CLA	C12-C11-C10	-2.37	102.37	113.24
14	F6	202	CLA	C3D-C2D-C1D	-2.37	102.60	105.83
14	A4	812	CLA	CED-O2D-CGD	2.37	121.29	115.94
16	B2	844	BCR	C33-C5-C4	-2.36	109.07	113.62
14	A1	838	CLA	C3D-C4D-ND	2.36	114.06	110.24
14	B1	822	CLA	CHD-C4C-C3C	-2.36	121.36	124.84
14	A4	814	CLA	C3C-C4C-NC	2.36	113.22	110.57
14	A1	837	CLA	CAC-C3C-C4C	2.36	127.88	124.81
14	A3	802	CLA	CBC-CAC-C3C	-2.36	105.91	112.43
16	F2	201	BCR	C36-C18-C19	2.36	121.80	118.08

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A6	1634	CLA	O2A-CGA-O1A	-2.36	117.63	123.59
16	J5	105	BCR	C8-C7-C6	2.36	133.84	127.20
14	A6	1606	CLA	C3C-C4C-NC	2.36	113.22	110.57
14	L6	207	CLA	C3C-C4C-NC	2.36	113.22	110.57
16	J3	103	BCR	C35-C13-C12	2.36	121.80	118.08
14	B1	810	CLA	CHD-C1D-ND	-2.36	122.28	124.45
14	M1	1201	CLA	CMC-C2C-C1C	2.36	128.64	125.04
14	B4	820	CLA	C3D-C2D-C1D	-2.36	102.61	105.83
14	A2	1607	CLA	CED-O2D-CGD	2.36	121.28	115.94
14	A3	841	CLA	CAC-C3C-C4C	2.36	127.88	124.81
14	B1	817	CLA	C3D-C4D-ND	2.36	114.06	110.24
14	B4	803	CLA	CHD-C4C-C3C	-2.36	121.37	124.84
14	A4	823	CLA	O2A-CGA-O1A	-2.36	117.63	123.59
16	A4	848	BCR	C30-C25-C26	-2.36	119.29	122.61
14	B3	1816	CLA	CED-O2D-CGD	2.36	121.28	115.94
14	B6	819	CLA	CHD-C4C-C3C	-2.36	121.37	124.84
14	B6	804	CLA	C7-C6-C5	-2.36	106.94	113.36
14	A1	810	CLA	C3D-C2D-C1D	-2.36	102.61	105.83
14	B6	809	CLA	CMC-C2C-C1C	2.36	128.63	125.04
14	A4	820	CLA	C12-C11-C10	-2.36	102.39	113.24
14	B5	1809	CLA	C3D-C2D-C1D	-2.36	102.61	105.83
14	F2	202	CLA	CAC-C3C-C4C	2.36	127.87	124.81
14	B4	801	CLA	O2D-CGD-O1D	-2.36	119.22	123.84
14	B4	808	CLA	C3C-C4C-NC	2.36	113.22	110.57
14	X6	1701	CLA	O2A-CGA-CBA	2.36	121.61	114.03
14	A4	813	CLA	CHD-C1D-ND	-2.36	122.28	124.45
14	B2	839	CLA	O2A-CGA-CBA	2.36	119.31	111.91
14	L1	201	CLA	CHD-C4C-C3C	-2.36	121.37	124.84
14	B2	801	CLA	CHD-C4C-C3C	-2.36	121.37	124.84
14	A6	1620	CLA	CHD-C4C-C3C	-2.36	121.37	124.84
14	A2	1640	CLA	CED-O2D-CGD	2.36	121.28	115.94
14	A3	823	CLA	CAC-C3C-C4C	2.36	127.87	124.81
14	B3	1812	CLA	CAC-C3C-C4C	2.36	127.87	124.81
14	A5	838	CLA	CAC-C3C-C4C	2.36	127.87	124.81
14	A1	829	CLA	CHD-C1D-ND	-2.36	122.29	124.45
14	A3	823	CLA	CHD-C1D-ND	-2.36	122.29	124.45
14	B5	1830	CLA	CMC-C2C-C1C	2.36	128.63	125.04
14	B3	1824	CLA	CED-O2D-CGD	2.36	121.27	115.94
14	A1	801	CLA	CBC-CAC-C3C	-2.36	105.93	112.43
14	A4	801	CLA	C1C-C2C-C3C	-2.36	104.48	106.96
14	B6	829	CLA	C1C-C2C-C3C	-2.36	104.48	106.96
14	A3	821	CLA	C12-C11-C10	-2.36	102.41	113.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B2	816	CLA	CHD-C1D-ND	-2.36	122.29	124.45
14	A6	1606	CLA	CAC-C3C-C4C	2.36	127.87	124.81
14	B6	805	CLA	C11-C10-C8	2.36	123.54	115.92
14	A4	826	CLA	O2A-CGA-O1A	-2.36	117.64	123.59
14	B4	838	CLA	CHD-C4C-C3C	-2.36	121.38	124.84
14	A1	835	CLA	C3D-C2D-C1D	-2.36	102.61	105.83
14	A3	841	CLA	C3D-C2D-C1D	-2.36	102.61	105.83
14	L4	201	CLA	C3D-C2D-C1D	-2.36	102.61	105.83
16	B2	845	BCR	C19-C18-C17	-2.36	115.33	118.94
14	B4	818	CLA	CED-O2D-CGD	2.36	121.27	115.94
14	A5	809	CLA	CMB-C2B-C3B	2.36	129.09	124.68
14	A2	1621	CLA	C3D-C2D-C1D	-2.36	102.62	105.83
14	F2	204	CLA	CHD-C1D-ND	-2.36	122.29	124.45
14	A4	805	CLA	C3C-C4C-NC	2.36	113.21	110.57
14	A4	831	CLA	CMC-C2C-C1C	2.36	128.63	125.04
16	B5	1847	BCR	C1-C6-C5	-2.36	119.30	122.61
14	B5	1835	CLA	CHD-C4C-C3C	-2.36	121.38	124.84
14	B6	830	CLA	C3D-C2D-C1D	-2.36	102.62	105.83
14	B1	801	CLA	CMB-C2B-C3B	2.35	129.08	124.68
16	F3	203	BCR	C1-C6-C5	-2.35	119.30	122.61
14	A2	1636	CLA	C3D-C2D-C1D	-2.35	102.62	105.83
14	A6	1609	CLA	C3D-C2D-C1D	-2.35	102.62	105.83
14	A1	835	CLA	C2D-C1D-ND	2.35	111.84	110.10
14	B1	820	CLA	C2D-C1D-ND	2.35	111.84	110.10
14	A4	841	CLA	CHD-C4C-C3C	-2.35	121.38	124.84
14	A6	1625	CLA	CHD-C4C-C3C	-2.35	121.38	124.84
16	M6	1202	BCR	C32-C1-C6	2.35	114.12	110.30
16	J4	103	BCR	C12-C13-C14	-2.35	115.33	118.94
14	A2	1601	CLA	O2D-CGD-O1D	-2.35	119.24	123.84
14	X2	1701	CLA	O2A-CGA-CBA	2.35	121.59	114.03
14	B5	1827	CLA	CHD-C1D-ND	-2.35	122.29	124.45
14	A4	816	CLA	C3D-C2D-C1D	-2.35	102.62	105.83
14	A1	836	CLA	C4A-NA-C1A	2.35	107.76	106.71
14	A1	835	CLA	CAC-C3C-C4C	2.35	127.86	124.81
14	B6	818	CLA	C2D-C1D-ND	2.35	111.84	110.10
14	A3	803	CLA	C3D-C2D-C1D	-2.35	102.62	105.83
16	B2	842	BCR	C33-C5-C4	-2.35	109.10	113.62
14	A6	1604	CLA	CMB-C2B-C3B	2.35	129.08	124.68
16	B6	845	BCR	C36-C18-C19	2.35	121.78	118.08
14	A1	819	CLA	CHD-C4C-C3C	-2.35	121.38	124.84
14	B4	840	CLA	CBC-CAC-C3C	-2.35	105.95	112.43
14	B1	813	CLA	C3C-C4C-NC	2.35	113.21	110.57

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	A1	847	BCR	C24-C25-C26	-2.35	115.76	121.46
14	B3	1820	CLA	C3D-C2D-C1D	-2.35	102.62	105.83
14	A4	830	CLA	CMC-C2C-C1C	2.35	128.62	125.04
14	A6	1616	CLA	CHD-C4C-C3C	-2.35	121.38	124.84
14	M1	1201	CLA	O2A-CGA-O1A	-2.35	117.66	123.59
14	B4	839	CLA	O2A-CGA-CBA	2.35	119.29	111.91
14	B6	828	CLA	CAC-C3C-C4C	2.35	127.86	124.81
16	A5	850	BCR	C1-C6-C7	2.35	122.43	115.78
14	B1	839	CLA	CHD-C4C-C3C	-2.35	121.38	124.84
14	A2	1612	CLA	O2A-CGA-CBA	2.35	121.58	114.03
14	A4	842	CLA	C1D-ND-C4D	-2.35	104.67	106.33
16	B6	843	BCR	C33-C5-C4	-2.35	109.10	113.62
14	A3	805	CLA	C3D-C2D-C1D	-2.35	102.62	105.83
14	A2	1606	CLA	CHD-C4C-C3C	-2.35	121.39	124.84
14	B6	817	CLA	C3C-C4C-NC	2.35	113.21	110.57
14	A4	822	CLA	CHD-C1D-ND	-2.35	122.29	124.45
14	B6	808	CLA	C2D-C1D-ND	2.35	111.84	110.10
14	B2	832	CLA	C3D-C2D-C1D	-2.35	102.62	105.83
14	B5	1810	CLA	C3D-C4D-ND	2.35	114.04	110.24
16	A6	1645	BCR	C33-C5-C4	-2.35	109.10	113.62
14	B2	805	CLA	C3C-C4C-NC	2.35	113.21	110.57
14	A5	819	CLA	C3C-C4C-NC	2.35	113.21	110.57
14	B3	1830	CLA	CMC-C2C-C1C	2.35	128.62	125.04
16	B4	849	BCR	C19-C18-C17	-2.35	115.34	118.94
14	B4	808	CLA	C3D-C2D-C1D	-2.35	102.62	105.83
16	B5	1847	BCR	C38-C26-C25	2.35	127.17	124.53
14	B4	808	CLA	C3B-C4B-NB	2.35	112.25	109.21
14	B6	825	CLA	C2D-C1D-ND	2.35	111.83	110.10
14	B5	1838	CLA	C2D-C1D-ND	2.35	111.83	110.10
14	A6	1621	CLA	C12-C11-C10	-2.35	102.45	113.24
14	B5	1831	CLA	O1D-CGD-CBD	-2.35	119.68	124.48
14	B4	837	CLA	CMB-C2B-C3B	2.35	129.07	124.68
14	A1	803	CLA	CHD-C4C-C3C	-2.35	121.39	124.84
14	L3	205	CLA	CAC-C3C-C4C	2.35	127.86	124.81
14	A6	1628	CLA	C3B-C4B-NB	2.35	112.25	109.21
14	B5	1810	CLA	CHD-C1D-ND	-2.35	122.30	124.45
16	M4	101	BCR	C33-C5-C4	-2.35	109.11	113.62
14	B1	830	CLA	C1C-C2C-C3C	-2.35	104.49	106.96
16	F3	203	BCR	C33-C5-C4	-2.35	109.11	113.62
14	A4	832	CLA	C2D-C1D-ND	2.35	111.83	110.10
14	A1	824	CLA	C9-C8-C10	2.35	119.79	111.29
14	B4	831	CLA	O1D-CGD-CBD	-2.35	119.68	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B3	1817	CLA	CHD-C1D-ND	-2.35	122.30	124.45
14	B6	829	CLA	CHD-C1D-ND	-2.35	122.30	124.45
14	A5	802	CLA	CHD-C1D-ND	-2.35	122.30	124.45
14	A3	835	CLA	C3D-C2D-C1D	-2.35	102.63	105.83
19	B3	1850	LMG	O8-C28-C29	2.35	119.27	111.91
19	B6	848	LMG	O8-C28-C29	2.35	119.27	111.91
14	K1	1401	CLA	CAC-C3C-C4C	2.35	127.86	124.81
14	B6	809	CLA	C1C-C2C-C3C	-2.35	104.49	106.96
14	B5	1806	CLA	C2D-C1D-ND	2.35	111.83	110.10
16	A2	1651	BCR	C30-C25-C26	-2.35	119.31	122.61
14	B2	828	CLA	C1C-C2C-C3C	-2.35	104.49	106.96
14	B2	820	CLA	CHD-C4C-C3C	-2.35	121.39	124.84
14	A4	853	CLA	CHD-C4C-C3C	-2.35	121.39	124.84
14	A2	1636	CLA	O2A-CGA-O1A	-2.35	117.67	123.59
14	A1	808	CLA	C3D-C2D-C1D	-2.35	102.63	105.83
14	B6	836	CLA	C3D-C2D-C1D	-2.35	102.63	105.83
14	A5	819	CLA	CAC-C3C-C4C	2.35	127.85	124.81
14	A3	819	CLA	C3B-C4B-NB	2.35	112.24	109.21
14	B1	802	CLA	CHB-C4A-NA	2.35	127.75	124.51
14	B1	822	CLA	C3C-C4C-NC	2.35	113.20	110.57
14	B6	831	CLA	C3C-C4C-NC	2.35	113.20	110.57
14	L3	205	CLA	CHD-C1D-ND	-2.34	122.30	124.45
14	A1	802	CLA	C3D-C2D-C1D	-2.34	102.63	105.83
14	A4	831	CLA	C3D-C2D-C1D	-2.34	102.63	105.83
16	M3	1602	BCR	C32-C1-C6	2.34	114.10	110.30
14	A6	1618	CLA	CAC-C3C-C4C	2.34	127.85	124.81
16	J6	1105	BCR	C36-C18-C19	2.34	121.77	118.08
16	B1	852	BCR	C8-C7-C6	2.34	133.79	127.20
16	A6	1646	BCR	C30-C25-C24	2.34	122.41	115.78
14	A6	1630	CLA	O2A-CGA-CBA	2.34	119.26	111.91
14	B5	1826	CLA	C4-C3-C5	2.34	119.21	115.27
16	F6	201	BCR	C38-C26-C25	2.34	127.16	124.53
14	B5	1842	CLA	C4C-C3C-C2C	-2.34	103.48	106.90
14	B1	821	CLA	C3C-C4C-NC	2.34	113.20	110.57
14	B5	1824	CLA	C3C-C4C-NC	2.34	113.20	110.57
16	A3	856	BCR	C34-C9-C8	2.34	121.77	118.08
16	J5	103	BCR	C33-C5-C6	2.34	127.16	124.53
14	A3	825	CLA	C3D-C2D-C1D	-2.34	102.63	105.83
14	A5	805	CLA	C3D-C2D-C1D	-2.34	102.63	105.83
14	B5	1834	CLA	CHD-C4C-C3C	-2.34	121.40	124.84
14	B5	1811	CLA	C12-C11-C10	-2.34	102.48	113.24
14	A6	1628	CLA	C2D-C1D-ND	2.34	111.83	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A2	1619	CLA	C3D-C2D-C1D	-2.34	102.64	105.83
14	B2	823	CLA	CHD-C4C-C3C	-2.34	121.40	124.84
16	A1	844	BCR	C33-C5-C4	-2.34	109.12	113.62
14	A2	1632	CLA	O2A-CGA-CBA	2.34	119.25	111.91
16	A1	843	BCR	C38-C26-C25	2.34	127.16	124.53
14	B3	1820	CLA	C2D-C1D-ND	2.34	111.83	110.10
14	B6	823	CLA	CAC-C3C-C4C	2.34	127.85	124.81
14	A2	1616	CLA	C3C-C4C-NC	2.34	113.20	110.57
14	B5	1830	CLA	C3D-C2D-C1D	-2.34	102.64	105.83
14	B2	837	CLA	CBC-CAC-C3C	-2.34	105.98	112.43
14	B2	822	CLA	CHD-C4C-C3C	-2.34	121.40	124.84
16	A3	856	BCR	C33-C5-C6	2.34	127.16	124.53
16	M5	101	BCR	C7-C6-C5	-2.34	115.79	121.46
14	B2	807	CLA	C3D-C4D-ND	2.34	114.02	110.24
14	K4	1401	CLA	CAC-C3C-C4C	2.34	127.85	124.81
14	B2	809	CLA	C3B-C4B-NB	2.34	112.23	109.21
14	B3	1834	CLA	C3D-C2D-C1D	-2.34	102.64	105.83
14	A5	825	CLA	O1D-CGD-CBD	-2.34	119.70	124.48
16	J6	1104	BCR	C12-C13-C14	-2.34	115.35	118.94
16	A1	847	BCR	C33-C5-C6	2.34	127.16	124.53
14	K5	102	CLA	CHD-C4C-C3C	-2.34	121.40	124.84
16	I2	101	BCR	C19-C18-C17	-2.34	115.35	118.94
14	B6	807	CLA	C3C-C4C-NC	2.34	113.19	110.57
14	B6	817	CLA	CHB-C4A-NA	2.34	127.75	124.51
14	A4	813	CLA	CAC-C3C-C4C	2.34	127.84	124.81
14	B4	804	CLA	O1D-CGD-CBD	-2.34	119.70	124.48
14	B1	810	CLA	C4A-NA-C1A	2.34	107.76	106.71
14	F4	202	CLA	CAC-C3C-C4C	2.34	127.84	124.81
14	B1	824	CLA	CHD-C4C-C3C	-2.34	121.40	124.84
14	B5	1837	CLA	CHD-C4C-C3C	-2.34	121.40	124.84
14	B2	821	CLA	C3C-C4C-NC	2.34	113.19	110.57
14	B2	823	CLA	CED-O2D-CGD	2.34	121.22	115.94
14	B6	804	CLA	CED-O2D-CGD	2.34	121.22	115.94
14	A5	816	CLA	CED-O2D-CGD	2.34	121.22	115.94
14	A5	819	CLA	CED-O2D-CGD	2.34	121.22	115.94
14	A2	1627	CLA	CMC-C2C-C1C	2.34	128.60	125.04
14	A4	805	CLA	CAC-C3C-C4C	2.34	127.84	124.81
16	B3	1845	BCR	C33-C5-C4	-2.34	109.13	113.62
14	M3	1601	CLA	C2D-C1D-ND	2.34	111.83	110.10
14	A1	805	CLA	O2D-CGD-CBD	2.34	115.42	111.27
14	A1	818	CLA	O2A-CGA-O1A	-2.34	117.70	123.59
14	B2	822	CLA	C3D-C2D-C1D	-2.34	102.64	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A6	1632	CLA	C3D-C2D-C1D	-2.34	102.64	105.83
14	A2	1628	CLA	C3B-C4B-NB	2.34	112.23	109.21
16	B1	848	BCR	C38-C26-C25	2.34	127.15	124.53
14	A3	839	CLA	C4A-NA-C1A	2.34	107.76	106.71
14	B1	838	CLA	C2D-C1D-ND	2.34	111.83	110.10
14	B6	823	CLA	O2A-CGA-CBA	2.34	121.53	114.03
16	J4	103	BCR	C1-C6-C7	2.34	122.38	115.78
16	M2	1202	BCR	C33-C5-C4	-2.33	109.13	113.62
14	B1	834	CLA	C3D-C2D-C1D	-2.33	102.64	105.83
14	B2	803	CLA	C3C-C4C-NC	2.33	113.19	110.57
14	B3	1819	CLA	CHD-C4C-C3C	-2.33	121.41	124.84
14	L6	202	CLA	CHD-C4C-C3C	-2.33	121.41	124.84
14	A1	824	CLA	C3D-C2D-C1D	-2.33	102.65	105.83
14	B3	1808	CLA	CMB-C2B-C3B	2.33	129.04	124.68
14	B2	831	CLA	CHD-C4C-C3C	-2.33	121.41	124.84
14	B3	1824	CLA	C3C-C4C-NC	2.33	113.19	110.57
14	B6	834	CLA	CHB-C4A-NA	2.33	127.74	124.51
14	A4	827	CLA	C3B-C4B-NB	2.33	112.23	109.21
14	X3	102	CLA	O2A-CGA-CBA	2.33	121.53	114.03
14	B1	801	CLA	O2A-CGA-CBA	2.33	119.23	111.91
14	B3	1805	CLA	C2D-C1D-ND	2.33	111.82	110.10
14	B4	827	CLA	C3D-C2D-C1D	-2.33	102.65	105.83
14	B2	828	CLA	CMC-C2C-C1C	2.33	128.59	125.04
14	A4	817	CLA	CED-O2D-CGD	2.33	121.21	115.94
14	A2	1609	CLA	CHD-C1D-ND	-2.33	122.31	124.45
14	B3	1826	CLA	C3C-C4C-NC	2.33	113.19	110.57
14	J4	102	CLA	C3C-C4C-NC	2.33	113.19	110.57
14	B5	1822	CLA	C3C-C4C-NC	2.33	113.19	110.57
14	A2	1632	CLA	C3D-C2D-C1D	-2.33	102.65	105.83
14	A4	818	CLA	C3D-C2D-C1D	-2.33	102.65	105.83
14	M6	1201	CLA	C3D-C2D-C1D	-2.33	102.65	105.83
14	B6	804	CLA	C1C-C2C-C3C	-2.33	104.50	106.96
14	A3	804	CLA	CHD-C4C-C3C	-2.33	121.41	124.84
14	B3	1819	CLA	CAC-C3C-C4C	2.33	127.83	124.81
14	B6	829	CLA	C3D-C2D-C1D	-2.33	102.65	105.83
14	L2	206	CLA	CHD-C4C-C3C	-2.33	121.41	124.84
14	B2	828	CLA	O1D-CGD-CBD	-2.33	119.72	124.48
16	A3	850	BCR	C37-C22-C23	2.33	121.75	118.08
16	B5	1846	BCR	C33-C5-C6	2.33	127.14	124.53
14	B5	1834	CLA	C12-C11-C10	-2.33	102.53	113.24
14	A2	1643	CLA	CMB-C2B-C3B	2.33	129.04	124.68
14	B3	1802	CLA	CHB-C4A-NA	2.33	127.73	124.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A3	816	CLA	CED-O2D-CGD	2.33	121.21	115.94
14	A5	807	CLA	CED-O2D-CGD	2.33	121.21	115.94
14	B3	1814	CLA	C3C-C4C-NC	2.33	113.18	110.57
14	A3	823	CLA	C2D-C1D-ND	2.33	111.82	110.10
14	M6	1201	CLA	C2D-C1D-ND	2.33	111.82	110.10
14	B1	828	CLA	CMB-C2B-C3B	2.33	129.04	124.68
16	J4	104	BCR	C1-C6-C5	-2.33	119.33	122.61
17	A4	851	LHG	O2-C2-C3	2.33	117.73	109.56
14	A5	840	CLA	C3D-C2D-C1D	-2.33	102.65	105.83
14	F5	1301	CLA	O2A-CGA-O1A	-2.33	117.49	123.30
14	A6	1625	CLA	CMC-C2C-C1C	2.33	128.59	125.04
14	A6	1627	CLA	O2A-CGA-O1A	-2.33	117.71	123.59
14	A2	1612	CLA	C3D-C4D-ND	2.33	114.00	110.24
16	A5	847	BCR	C33-C5-C4	-2.33	109.14	113.62
14	B3	1803	CLA	CHD-C4C-C3C	-2.33	121.42	124.84
14	A4	815	CLA	CHD-C1D-ND	-2.33	122.31	124.45
14	B5	1833	CLA	C2D-C1D-ND	2.33	111.82	110.10
14	B2	806	CLA	O2D-CGD-O1D	-2.33	119.29	123.84
14	L6	203	CLA	CED-O2D-CGD	2.33	121.20	115.94
14	B3	1825	CLA	O2A-CGA-CBA	2.33	121.51	114.03
14	A5	806	CLA	O2D-CGD-CBD	2.33	115.41	111.27
16	B4	847	BCR	C36-C18-C19	2.33	121.75	118.08
16	I3	102	BCR	C32-C1-C6	2.33	114.08	110.30
14	A5	843	CLA	C1-C2-C3	2.33	130.07	126.04
14	B4	805	CLA	C11-C10-C8	2.33	123.44	115.92
14	B4	823	CLA	O2A-CGA-CBA	2.33	121.51	114.03
16	L4	206	BCR	C37-C22-C23	2.33	121.74	118.08
14	M2	1201	CLA	CMC-C2C-C1C	2.33	128.58	125.04
14	L3	203	CLA	CMC-C2C-C1C	2.33	128.58	125.04
14	B5	1803	CLA	O2D-CGD-CBD	2.33	115.40	111.27
16	A3	849	BCR	C1-C6-C5	-2.33	119.34	122.61
14	A5	842	CLA	C1C-C2C-C3C	-2.33	104.51	106.96
14	B5	1803	CLA	C1C-C2C-C3C	-2.33	104.51	106.96
16	A6	1646	BCR	C37-C22-C23	2.33	121.74	118.08
14	A2	1602	CLA	C4A-NA-C1A	2.33	107.75	106.71
14	B2	829	CLA	C3D-C2D-C1D	-2.33	102.66	105.83
14	A6	1624	CLA	CHD-C1D-ND	-2.33	122.32	124.45
15	B1	842	PQN	C17-C16-C15	-2.33	107.04	113.36
16	J1	103	BCR	C35-C13-C12	2.33	121.74	118.08
14	A6	1621	CLA	CAC-C3C-C4C	2.33	127.83	124.81
14	A1	821	CLA	CHD-C4C-C3C	-2.33	121.42	124.84
14	A2	1630	CLA	C3B-C4B-NB	2.33	112.22	109.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A2	1610	CLA	O1D-CGD-CBD	-2.33	119.72	124.48
14	A4	834	CLA	CMC-C2C-C1C	2.33	128.58	125.04
14	A4	842	CLA	C3C-C4C-NC	2.33	113.18	110.57
14	B3	1831	CLA	CHD-C1D-ND	-2.33	122.32	124.45
14	A6	1630	CLA	CHD-C1D-ND	-2.33	122.32	124.45
14	B1	802	CLA	C3D-C4D-ND	2.33	114.00	110.24
14	A5	811	CLA	CED-O2D-CGD	2.33	121.20	115.94
14	A3	810	CLA	C3D-C2D-C1D	-2.33	102.66	105.83
16	B1	847	BCR	C36-C18-C19	2.32	121.74	118.08
14	A6	1640	CLA	O2A-C1-C2	2.32	114.75	108.64
14	A2	1637	CLA	CMC-C2C-C1C	2.32	128.58	125.04
14	B2	827	CLA	CED-O2D-CGD	2.32	121.19	115.94
14	A5	814	CLA	O2A-CGA-O1A	-2.32	117.51	123.30
14	X4	102	CLA	O2A-CGA-CBA	2.32	121.50	114.03
14	B1	827	CLA	C11-C10-C8	2.32	123.43	115.92
14	L4	201	CLA	C3D-C4D-ND	2.32	114.00	110.24
14	A5	833	CLA	CHD-C4C-C3C	-2.32	121.42	124.84
14	B2	825	CLA	CAC-C3C-C4C	2.32	127.83	124.81
14	B3	1809	CLA	O2D-CGD-O1D	-2.32	119.30	123.84
16	B1	852	BCR	C37-C22-C23	2.32	121.74	118.08
14	A5	819	CLA	O2A-CGA-O1A	-2.32	117.73	123.59
14	L4	203	CLA	O1D-CGD-CBD	-2.32	119.73	124.48
14	B4	823	CLA	CHD-C4C-C3C	-2.32	121.42	124.84
14	B6	815	CLA	CMC-C2C-C1C	2.32	128.58	125.04
14	A3	808	CLA	CBC-CAC-C3C	-2.32	106.03	112.43
14	A6	1628	CLA	CED-O2D-CGD	2.32	121.19	115.94
14	X1	1701	CLA	O2A-CGA-CBA	2.32	121.49	114.03
14	A1	837	CLA	C3D-C2D-C1D	-2.32	102.66	105.83
14	A2	1612	CLA	C3D-C2D-C1D	-2.32	102.66	105.83
14	A6	1607	CLA	C3D-C2D-C1D	-2.32	102.66	105.83
14	A5	834	CLA	C3D-C2D-C1D	-2.32	102.66	105.83
16	F5	1302	BCR	C1-C6-C5	-2.32	119.34	122.61
14	F2	202	CLA	O2A-CGA-CBA	2.32	121.49	114.03
14	A4	827	CLA	C4A-NA-C1A	2.32	107.75	106.71
16	A5	850	BCR	C24-C25-C26	-2.32	115.84	121.46
14	A1	814	CLA	C3D-C2D-C1D	-2.32	102.66	105.83
14	A5	819	CLA	C3D-C2D-C1D	-2.32	102.66	105.83
16	F6	203	BCR	C33-C5-C4	-2.32	109.16	113.62
14	A1	832	CLA	CHD-C1D-ND	-2.32	122.32	124.45
14	B3	1801	CLA	CHD-C1D-ND	-2.32	122.32	124.45
14	A5	814	CLA	O2A-CGA-CBA	2.32	121.49	114.03
14	B3	1813	CLA	C3D-C4D-ND	2.32	113.99	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B3	1825	CLA	C3D-C2D-C1D	-2.32	102.66	105.83
14	B6	835	CLA	C3D-C2D-C1D	-2.32	102.66	105.83
14	F5	1301	CLA	CED-O2D-CGD	2.32	121.19	115.94
16	B4	847	BCR	C33-C5-C4	-2.32	109.16	113.62
14	A3	824	CLA	CHD-C1D-ND	-2.32	122.32	124.45
14	A2	1610	CLA	O2A-CGA-O1A	-2.32	117.74	123.59
14	A3	845	CLA	O2A-CGA-O1A	-2.32	117.74	123.59
14	A2	1644	CLA	CAC-C3C-C4C	2.32	127.82	124.81
14	A6	1651	CLA	C1D-ND-C4D	-2.32	104.69	106.33
14	B4	852	CLA	C1-C2-C3	2.32	130.06	126.04
14	A3	802	CLA	O2A-CGA-CBA	2.32	119.19	111.91
16	B1	845	BCR	C33-C5-C4	-2.32	109.16	113.62
14	B3	1839	CLA	CMD-C2D-C1D	2.32	128.80	124.71
14	B6	838	CLA	CBC-CAC-C3C	-2.32	106.04	112.43
14	B3	1813	CLA	C3D-C2D-C1D	-2.32	102.67	105.83
14	B1	816	CLA	O1D-CGD-CBD	-2.32	119.74	124.48
14	B3	1806	CLA	O1D-CGD-CBD	-2.32	119.74	124.48
14	B5	1814	CLA	CED-O2D-CGD	2.32	121.18	115.94
14	K1	1401	CLA	CHD-C4C-C3C	-2.32	121.43	124.84
14	K2	1401	CLA	CHD-C4C-C3C	-2.32	121.43	124.84
14	K4	1401	CLA	CHD-C4C-C3C	-2.32	121.43	124.84
14	B2	833	CLA	CHB-C4A-NA	2.32	127.72	124.51
14	B2	828	CLA	CAC-C3C-C4C	2.32	127.82	124.81
14	A6	1630	CLA	CMC-C2C-C1C	2.32	128.57	125.04
14	A2	1611	CLA	O2A-CGA-O1A	-2.32	117.74	123.59
14	A6	1604	CLA	CHD-C4C-C3C	-2.32	121.43	124.84
14	B1	834	CLA	C3C-C4C-NC	2.32	113.17	110.57
14	A4	814	CLA	C3B-C4B-NB	2.32	112.21	109.21
16	A5	849	BCR	C23-C22-C21	-2.32	115.39	118.94
16	J2	102	BCR	C33-C5-C6	2.32	127.13	124.53
14	B1	830	CLA	C3D-C2D-C1D	-2.32	102.67	105.83
17	A5	852	LHG	O2-C2-C3	2.32	117.68	109.56
14	A6	1623	CLA	CHD-C1D-ND	-2.32	122.33	124.45
14	A2	1645	CLA	C3C-C4C-NC	2.32	113.17	110.57
14	A4	812	CLA	C3D-C2D-C1D	-2.32	102.67	105.83
14	B5	1813	CLA	C3D-C2D-C1D	-2.32	102.67	105.83
16	I3	102	BCR	C30-C25-C24	2.32	122.33	115.78
16	L2	208	BCR	C38-C26-C25	2.32	127.13	124.53
14	A4	840	CLA	C1-O2A-CGA	2.32	122.52	116.44
16	B1	844	BCR	C33-C5-C6	2.32	127.13	124.53
14	L1	206	CLA	CHD-C4C-C3C	-2.32	121.44	124.84
14	A2	1601	CLA	CHD-C4C-C3C	-2.32	121.44	124.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	B4	847	BCR	C34-C9-C10	-2.32	119.68	122.92
14	B2	808	CLA	C3B-C4B-NB	2.32	112.20	109.21
14	B1	812	CLA	C3D-C4D-ND	2.31	113.98	110.24
14	B5	1840	CLA	C3D-C4D-ND	2.31	113.98	110.24
14	A4	823	CLA	CHD-C1D-ND	-2.31	122.33	124.45
16	I5	102	BCR	C30-C25-C24	2.31	122.33	115.78
14	A6	1630	CLA	C3D-C2D-C1D	-2.31	102.67	105.83
14	B6	821	CLA	C3D-C2D-C1D	-2.31	102.67	105.83
16	A1	847	BCR	C34-C9-C8	2.31	121.72	118.08
14	B2	816	CLA	C3C-C4C-NC	2.31	113.17	110.57
16	B3	1847	BCR	C33-C5-C4	-2.31	109.17	113.62
16	A5	850	BCR	C33-C5-C4	-2.31	109.17	113.62
14	B2	809	CLA	CAC-C3C-C4C	2.31	127.81	124.81
14	B5	1827	CLA	C2D-C1D-ND	2.31	111.81	110.10
14	B2	802	CLA	O2A-CGA-O1A	-2.31	117.75	123.59
14	B2	831	CLA	C3D-C2D-C1D	-2.31	102.67	105.83
15	A2	1646	PQN	C2M-C2-C3	-2.31	120.63	124.40
14	B1	805	CLA	CHD-C4C-C3C	-2.31	121.44	124.84
14	L5	205	CLA	CHD-C4C-C3C	-2.31	121.44	124.84
14	B3	1829	CLA	C3D-C4D-ND	2.31	113.98	110.24
14	A4	841	CLA	C1C-C2C-C3C	-2.31	104.53	106.96
14	A6	1638	CLA	CHD-C4C-C3C	-2.31	121.44	124.84
14	I1	101	CLA	C4C-C3C-C2C	-2.31	103.53	106.90
14	A3	826	CLA	C3B-C4B-NB	2.31	112.20	109.21
14	B3	1833	CLA	CED-O2D-CGD	2.31	121.17	115.94
14	A4	809	CLA	CED-O2D-CGD	2.31	121.17	115.94
14	A1	838	CLA	C4C-C3C-C2C	-2.31	103.53	106.90
14	B5	1816	CLA	O1D-CGD-CBD	-2.31	119.75	124.48
14	B3	1809	CLA	C3D-C2D-C1D	-2.31	102.68	105.83
14	A4	813	CLA	C3D-C2D-C1D	-2.31	102.68	105.83
16	B1	845	BCR	C38-C26-C25	2.31	127.12	124.53
14	B5	1834	CLA	C3D-C2D-C1D	-2.31	102.68	105.83
14	B1	820	CLA	C3D-C4D-ND	2.31	113.97	110.24
14	B5	1829	CLA	C3D-C4D-ND	2.31	113.97	110.24
14	B1	823	CLA	C3C-C4C-NC	2.31	113.16	110.57
14	J1	101	CLA	C3C-C4C-NC	2.31	113.16	110.57
16	B6	845	BCR	C33-C5-C4	-2.31	109.18	113.62
14	A4	840	CLA	C4C-C3C-C2C	-2.31	103.53	106.90
14	B1	837	CLA	O2A-CGA-CBA	2.31	121.45	114.03
16	M3	1602	BCR	C7-C6-C5	-2.31	115.87	121.46
14	J2	101	CLA	C3D-C2D-C1D	-2.31	102.68	105.83
14	F3	202	CLA	CHD-C4C-C3C	-2.31	121.44	124.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	B2	844	BCR	C36-C18-C19	2.31	121.72	118.08
14	B3	1833	CLA	C2D-C1D-ND	2.31	111.81	110.10
14	A3	806	CLA	C3C-C4C-NC	2.31	113.16	110.57
16	A4	844	BCR	C30-C25-C26	-2.31	119.36	122.61
14	B3	1823	CLA	O2A-CGA-CBA	2.31	121.45	114.03
14	B3	1815	CLA	C3B-C4B-NB	2.31	112.19	109.21
14	A5	835	CLA	CMC-C2C-C1C	2.31	128.56	125.04
14	A6	1610	CLA	CED-O2D-CGD	2.31	121.16	115.94
16	J2	102	BCR	C38-C26-C27	-2.31	109.18	113.62
14	A3	810	CLA	C3D-C4D-ND	2.31	113.97	110.24
14	A1	820	CLA	C3C-C4C-NC	2.31	113.16	110.57
16	L1	209	BCR	C1-C6-C5	-2.31	119.36	122.61
16	B6	845	BCR	C30-C25-C26	-2.31	119.36	122.61
14	A2	1629	CLA	O2A-CGA-O1A	-2.31	117.77	123.59
14	B1	833	CLA	CHD-C4C-C3C	-2.31	121.45	124.84
14	A3	809	CLA	CHD-C4C-C3C	-2.31	121.45	124.84
14	A4	834	CLA	CED-O2D-CGD	2.31	121.16	115.94
14	B5	1814	CLA	CAC-C3C-C4C	2.31	127.81	124.81
14	A6	1608	CLA	O1D-CGD-CBD	-2.31	119.76	124.48
14	A2	1622	CLA	C3D-C2D-C1D	-2.31	102.68	105.83
14	A2	1642	CLA	C3D-C2D-C1D	-2.31	102.68	105.83
14	A5	816	CLA	CMC-C2C-C1C	2.31	128.55	125.04
14	B4	827	CLA	CHD-C1D-ND	-2.31	122.33	124.45
14	A2	1615	CLA	CMB-C2B-C3B	2.31	129.00	124.68
15	B4	844	PQN	C17-C16-C15	-2.31	107.09	113.36
14	B4	823	CLA	C3C-C4C-NC	2.31	113.16	110.57
14	B5	1835	CLA	C3C-C4C-NC	2.31	113.16	110.57
16	B3	1849	BCR	C19-C18-C17	-2.31	115.40	118.94
16	A1	845	BCR	C33-C5-C6	2.31	127.12	124.53
14	B2	803	CLA	C3D-C4D-ND	2.31	113.97	110.24
16	I3	102	BCR	C30-C25-C26	-2.31	119.36	122.61
14	B4	818	CLA	CHD-C4C-C3C	-2.31	121.45	124.84
14	B1	821	CLA	C3D-C2D-C1D	-2.31	102.68	105.83
16	M3	1602	BCR	C33-C5-C6	2.31	127.12	124.53
14	B1	804	CLA	CHD-C4C-C3C	-2.31	121.45	124.84
14	L5	206	CLA	CHD-C4C-C3C	-2.31	121.45	124.84
14	B6	807	CLA	CMB-C2B-C3B	2.31	128.99	124.68
14	B4	817	CLA	CMC-C2C-C1C	2.31	128.55	125.04
14	A1	822	CLA	CAC-C3C-C4C	2.31	127.80	124.81
14	A6	1641	CLA	C3C-C4C-NC	2.31	113.16	110.57
14	A1	818	CLA	C3B-C4B-NB	2.31	112.19	109.21
16	I5	101	BCR	C1-C6-C5	-2.31	119.37	122.61

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A2	1621	CLA	C2D-C1D-ND	2.31	111.80	110.10
14	A2	1625	CLA	C2D-C1D-ND	2.31	111.80	110.10
14	L3	205	CLA	C3D-C2D-C1D	-2.31	102.69	105.83
14	A4	809	CLA	C3D-C2D-C1D	-2.31	102.69	105.83
14	J5	101	CLA	C3D-C2D-C1D	-2.31	102.69	105.83
14	F5	1301	CLA	O2A-CGA-CBA	2.31	121.44	114.03
16	J6	1105	BCR	C1-C6-C5	-2.30	119.37	122.61
14	A6	1622	CLA	CHD-C4C-C3C	-2.30	121.45	124.84
14	A5	804	CLA	CHD-C4C-C3C	-2.30	121.45	124.84
14	B3	1830	CLA	C3D-C2D-C1D	-2.30	102.69	105.83
14	F5	1301	CLA	C3D-C2D-C1D	-2.30	102.69	105.83
14	B3	1828	CLA	CMB-C2B-C1B	-2.30	124.92	128.46
14	A4	829	CLA	O2A-CGA-CBA	2.30	119.14	111.91
14	B3	1834	CLA	CHD-C4C-C3C	-2.30	121.45	124.84
14	B2	826	CLA	C3D-C4D-ND	2.30	113.97	110.24
14	B5	1834	CLA	C3D-C4D-ND	2.30	113.97	110.24
14	F3	202	CLA	O2A-CGA-CBA	2.30	121.43	114.03
14	A2	1633	CLA	CMC-C2C-C1C	2.30	128.55	125.04
16	B1	847	BCR	C29-C30-C25	2.30	114.03	110.48
14	J6	1101	CLA	C3C-C4C-NC	2.30	113.16	110.57
16	B6	850	BCR	C37-C22-C23	2.30	121.71	118.08
14	F1	1301	CLA	CAC-C3C-C4C	2.30	127.80	124.81
14	A6	1616	CLA	CBC-CAC-C3C	-2.30	106.08	112.43
14	B5	1802	CLA	C3C-C4C-NC	2.30	113.15	110.57
14	A1	823	CLA	CAC-C3C-C4C	2.30	127.80	124.81
14	A5	809	CLA	CHD-C4C-C3C	-2.30	121.45	124.84
14	A3	810	CLA	CED-O2D-CGD	2.30	121.14	115.94
14	B1	823	CLA	CHD-C1D-ND	-2.30	122.34	124.45
14	B1	808	CLA	CMB-C2B-C3B	2.30	128.99	124.68
14	B6	805	CLA	C3D-C4D-ND	2.30	113.96	110.24
14	A1	832	CLA	C3D-C2D-C1D	-2.30	102.69	105.83
14	A3	832	CLA	C3D-C2D-C1D	-2.30	102.69	105.83
14	B5	1823	CLA	C3D-C2D-C1D	-2.30	102.69	105.83
17	A2	1654	LHG	C6-C5-C4	-2.30	106.34	111.79
14	A2	1603	CLA	O2D-CGD-O1D	-2.30	119.34	123.84
14	B5	1804	CLA	CHD-C1D-ND	-2.30	122.34	124.45
14	A3	844	CLA	C3C-C4C-NC	2.30	113.15	110.57
14	B4	820	CLA	C3C-C4C-NC	2.30	113.15	110.57
16	A2	1650	BCR	C37-C22-C23	2.30	121.70	118.08
16	B5	1850	BCR	C35-C13-C12	2.30	121.70	118.08
16	L2	208	BCR	C24-C25-C26	-2.30	115.89	121.46
16	J5	103	BCR	C38-C26-C27	-2.30	109.20	113.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B4	828	CLA	CAC-C3C-C4C	2.30	127.80	124.81
14	F6	202	CLA	O2A-CGA-O1A	-2.30	117.56	123.30
14	A3	807	CLA	CHD-C1D-ND	-2.30	122.34	124.45
14	B3	1832	CLA	C3D-C2D-C1D	-2.30	102.69	105.83
14	A5	801	CLA	C1C-C2C-C3C	-2.30	104.54	106.96
16	B6	844	BCR	C36-C18-C19	2.30	121.70	118.08
16	B5	1847	BCR	C36-C18-C19	2.30	121.70	118.08
14	A2	1619	CLA	C4A-NA-C1A	2.30	107.74	106.71
14	B6	839	CLA	C4A-NA-C1A	2.30	107.74	106.71
14	B2	822	CLA	CMC-C2C-C1C	2.30	128.54	125.04
14	A3	831	CLA	CMC-C2C-C1C	2.30	128.54	125.04
16	L6	209	BCR	C24-C25-C26	-2.30	115.89	121.46
14	A1	810	CLA	C3D-C4D-ND	2.30	113.96	110.24
14	A6	1637	CLA	C3D-C4D-ND	2.30	113.96	110.24
14	I1	101	CLA	CHD-C1D-ND	-2.30	122.34	124.45
14	B2	822	CLA	CAC-C3C-C4C	2.30	127.79	124.81
14	A3	839	CLA	CAC-C3C-C4C	2.30	127.79	124.81
14	B3	1805	CLA	CAC-C3C-C4C	2.30	127.79	124.81
14	J1	102	CLA	C3C-C4C-NC	2.30	113.15	110.57
14	A3	824	CLA	C3D-C2D-C1D	-2.30	102.69	105.83
14	A6	1632	CLA	C2D-C1D-ND	2.30	111.80	110.10
14	A5	837	CLA	C2D-C1D-ND	2.30	111.80	110.10
16	A6	1645	BCR	C40-C30-C25	2.30	114.03	110.30
14	B1	822	CLA	O2A-CGA-CBA	2.30	121.41	114.03
14	A5	807	CLA	CMC-C2C-C1C	2.30	128.54	125.04
14	A2	1639	CLA	C3D-C4D-ND	2.30	113.95	110.24
14	A4	839	CLA	C3D-C2D-C1D	-2.30	102.69	105.83
14	B4	830	CLA	C3D-C2D-C1D	-2.30	102.69	105.83
14	A6	1612	CLA	C3D-C2D-C1D	-2.30	102.69	105.83
15	A4	843	PQN	C2M-C2-C3	-2.30	120.65	124.40
16	J2	102	BCR	C12-C13-C14	-2.30	115.42	118.94
14	A1	823	CLA	O2A-CGA-O1A	-2.30	117.79	123.59
14	A3	834	CLA	O2D-CGD-O1D	-2.30	119.35	123.84
14	B6	802	CLA	O2D-CGD-O1D	-2.30	119.35	123.84
14	A2	1623	CLA	CAC-C3C-C4C	2.30	127.79	124.81
14	A3	826	CLA	C3D-C4D-ND	2.30	113.95	110.24
14	B6	802	CLA	O2A-CGA-CBA	2.30	119.12	111.91
14	B3	1805	CLA	C3D-C2D-C1D	-2.30	102.70	105.83
14	B5	1801	CLA	CMB-C2B-C3B	2.30	128.98	124.68
14	A3	835	CLA	CHD-C1D-ND	-2.30	122.34	124.45
14	L4	203	CLA	CMC-C2C-C1C	2.30	128.54	125.04
14	A4	833	CLA	O2A-CGA-O1A	-2.30	117.80	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B3	1815	CLA	O1D-CGD-CBD	-2.30	119.78	124.48
14	A1	812	CLA	CMB-C2B-C3B	2.30	128.97	124.68
14	A5	834	CLA	CHD-C4C-C3C	-2.30	121.47	124.84
14	B4	815	CLA	O1D-CGD-CBD	-2.30	119.79	124.48
15	B4	844	PQN	C2M-C2-C3	-2.30	120.65	124.40
14	A5	829	CLA	C3D-C2D-C1D	-2.30	102.70	105.83
15	B5	1844	PQN	C17-C16-C15	-2.30	107.12	113.36
16	L5	201	BCR	C1-C6-C5	-2.30	119.38	122.61
14	B3	1842	CLA	CHD-C4C-C3C	-2.30	121.47	124.84
14	B6	824	CLA	C4-C3-C5	2.30	119.13	115.27
14	A3	828	CLA	CED-O2D-CGD	2.30	121.13	115.94
14	A2	1632	CLA	CHD-C1D-ND	-2.29	122.34	124.45
14	A2	1636	CLA	CHD-C1D-ND	-2.29	122.34	124.45
14	A6	1615	CLA	CHD-C1D-ND	-2.29	122.34	124.45
14	B1	837	CLA	CHD-C4C-C3C	-2.29	121.47	124.84
14	B6	821	CLA	CHD-C4C-C3C	-2.29	121.47	124.84
14	A1	834	CLA	C2D-C1D-ND	2.29	111.80	110.10
14	F4	202	CLA	CED-O2D-CGD	2.29	121.13	115.94
14	A3	825	CLA	C1D-ND-C4D	-2.29	104.70	106.33
14	B6	816	CLA	C3D-C4D-ND	2.29	113.95	110.24
14	A2	1618	CLA	CMC-C2C-C1C	2.29	128.53	125.04
14	A2	1617	CLA	C3D-C2D-C1D	-2.29	102.70	105.83
14	F3	202	CLA	C3D-C2D-C1D	-2.29	102.70	105.83
14	L6	202	CLA	C3D-C2D-C1D	-2.29	102.70	105.83
14	B2	829	CLA	O1D-CGD-CBD	-2.29	119.79	124.48
14	A4	812	CLA	CMB-C2B-C3B	2.29	128.97	124.68
14	B5	1804	CLA	CMB-C2B-C3B	2.29	128.97	124.68
16	B4	846	BCR	C33-C5-C6	2.29	127.10	124.53
14	A6	1616	CLA	CHD-C1D-ND	-2.29	122.35	124.45
14	B4	816	CLA	C3D-C4D-ND	2.29	113.95	110.24
14	A1	836	CLA	CED-O2D-CGD	2.29	121.12	115.94
16	I4	102	BCR	C38-C26-C27	-2.29	109.21	113.62
14	A1	836	CLA	CHD-C4C-C3C	-2.29	121.47	124.84
14	A4	815	CLA	CHD-C4C-C3C	-2.29	121.47	124.84
14	B6	829	CLA	O1D-CGD-CBD	-2.29	119.79	124.48
16	F1	1302	BCR	C33-C5-C4	-2.29	109.21	113.62
14	B5	1825	CLA	O2A-CGA-CBA	2.29	121.40	114.03
14	A4	821	CLA	CHD-C4C-C3C	-2.29	121.47	124.84
16	B2	843	BCR	C36-C18-C19	2.29	121.69	118.08
14	A3	814	CLA	O2A-CGA-CBA	2.29	121.39	114.03
14	A4	815	CLA	CED-O2D-CGD	2.29	121.12	115.94
16	F4	201	BCR	C38-C26-C25	2.29	127.10	124.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A3	806	CLA	O2A-CGA-O1A	-2.29	117.81	123.59
14	A6	1622	CLA	C3D-C2D-C1D	-2.29	102.70	105.83
14	B5	1840	CLA	CHD-C4C-C3C	-2.29	121.47	124.84
14	A4	825	CLA	C3B-C4B-NB	2.29	112.17	109.21
14	B2	824	CLA	C3C-C4C-NC	2.29	113.14	110.57
16	F2	203	BCR	C33-C5-C4	-2.29	109.21	113.62
14	B2	823	CLA	C3D-C2D-C1D	-2.29	102.70	105.83
14	B6	838	CLA	C3D-C2D-C1D	-2.29	102.70	105.83
14	A1	834	CLA	CAC-C3C-C4C	2.29	127.78	124.81
14	A3	821	CLA	CAC-C3C-C4C	2.29	127.78	124.81
14	B2	826	CLA	CMB-C2B-C3B	2.29	128.97	124.68
14	A5	813	CLA	CMB-C2B-C3B	2.29	128.97	124.68
16	A2	1648	BCR	C38-C26-C25	2.29	127.10	124.53
16	B2	847	BCR	C33-C5-C6	2.29	127.10	124.53
14	B4	815	CLA	C3B-C4B-NB	2.29	112.17	109.21
14	A3	816	CLA	CBC-CAC-C3C	-2.29	106.11	112.43
14	A2	1643	CLA	C4C-C3C-C2C	-2.29	103.56	106.90
16	L4	206	BCR	C24-C25-C26	-2.29	115.91	121.46
14	A3	803	CLA	C3C-C4C-NC	2.29	113.14	110.57
14	A3	827	CLA	O1D-CGD-CBD	-2.29	119.80	124.48
14	B2	817	CLA	CHD-C4C-C3C	-2.29	121.47	124.84
14	B2	815	CLA	C3D-C2D-C1D	-2.29	102.70	105.83
14	B4	834	CLA	C3D-C2D-C1D	-2.29	102.70	105.83
14	B6	834	CLA	C3D-C2D-C1D	-2.29	102.70	105.83
14	A5	821	CLA	O2A-CGA-CBA	2.29	119.10	111.91
14	A3	835	CLA	O2A-CGA-O1A	-2.29	117.81	123.59
14	L2	207	CLA	CAC-C3C-C4C	2.29	127.78	124.81
14	A1	808	CLA	CHD-C1D-ND	-2.29	122.35	124.45
14	B2	822	CLA	O2A-CGA-CBA	2.29	121.39	114.03
16	A2	1649	BCR	C38-C26-C25	2.29	127.10	124.53
14	A3	819	CLA	O2A-CGA-O1A	-2.29	117.81	123.59
14	B4	805	CLA	C3D-C4D-ND	2.29	113.94	110.24
14	B4	831	CLA	C3D-C4D-ND	2.29	113.94	110.24
14	A2	1617	CLA	CHD-C4C-C3C	-2.29	121.47	124.84
14	B1	836	CLA	C3D-C2D-C1D	-2.29	102.71	105.83
16	L2	203	BCR	C38-C26-C27	-2.29	109.22	113.62
14	B5	1828	CLA	CAC-C3C-C4C	2.29	127.78	124.81
14	A1	815	CLA	CMC-C2C-C1C	2.29	128.53	125.04
14	A2	1620	CLA	O2A-CGA-O1A	-2.29	117.81	123.59
14	M3	1601	CLA	O2D-CGD-O1D	-2.29	119.36	123.84
14	B6	810	CLA	CHD-C4C-C3C	-2.29	121.47	124.84
14	B2	830	CLA	C2D-C1D-ND	2.29	111.79	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B6	832	CLA	C3D-C2D-C1D	-2.29	102.71	105.83
14	A1	838	CLA	C1-O2A-CGA	2.29	122.45	116.44
16	L3	206	BCR	C29-C30-C25	2.29	114.00	110.48
14	L6	206	CLA	CMC-C2C-C1C	2.29	128.53	125.04
14	B2	819	CLA	C3C-C4C-NC	2.29	113.14	110.57
14	A3	811	CLA	C3D-C4D-ND	2.29	113.94	110.24
16	J1	103	BCR	C33-C5-C6	2.29	127.10	124.53
14	B2	813	CLA	CHD-C4C-C3C	-2.29	121.48	124.84
14	J3	102	CLA	CHD-C4C-C3C	-2.29	121.48	124.84
14	K6	1401	CLA	CHD-C4C-C3C	-2.29	121.48	124.84
14	A1	818	CLA	C3D-C2D-C1D	-2.29	102.71	105.83
14	A4	805	CLA	C3D-C2D-C1D	-2.29	102.71	105.83
16	J2	102	BCR	C1-C6-C7	2.29	122.25	115.78
14	F6	202	CLA	O2A-CGA-CBA	2.29	121.38	114.03
16	A3	852	BCR	C33-C5-C4	-2.29	109.22	113.62
14	B2	802	CLA	O1D-CGD-CBD	-2.29	119.80	124.48
14	B1	808	CLA	CED-O2D-CGD	2.29	121.11	115.94
14	F2	202	CLA	CED-O2D-CGD	2.29	121.11	115.94
14	A2	1636	CLA	CHD-C4C-C3C	-2.29	121.48	124.84
14	A5	827	CLA	O2A-CGA-O1A	-2.29	117.82	123.59
14	L1	201	CLA	CMC-C2C-C1C	2.29	128.52	125.04
16	I2	101	BCR	C38-C26-C25	2.29	127.10	124.53
14	B2	835	CLA	CAC-C3C-C4C	2.29	127.78	124.81
14	A4	839	CLA	CAC-C3C-C4C	2.29	127.78	124.81
16	B1	844	BCR	C36-C18-C19	2.29	121.68	118.08
16	A6	1648	BCR	C34-C9-C8	2.29	121.68	118.08
14	A4	802	CLA	C3C-C4C-NC	2.29	113.14	110.57
14	A4	820	CLA	C3D-C4D-ND	2.29	113.94	110.24
14	A1	813	CLA	CAC-C3C-C4C	2.29	127.78	124.81
14	A5	801	CLA	CBC-CAC-C3C	-2.29	106.13	112.43
14	B4	820	CLA	C2D-C1D-ND	2.29	111.79	110.10
14	A3	843	CLA	C3D-C4D-ND	2.29	113.94	110.24
14	A4	808	CLA	C3D-C2D-C1D	-2.29	102.71	105.83
14	A4	817	CLA	O2A-CGA-O1A	-2.29	117.82	123.59
14	A5	815	CLA	O2A-CGA-CBA	2.29	121.38	114.03
16	B3	1847	BCR	C36-C18-C19	2.29	121.68	118.08
14	F3	202	CLA	CAC-C3C-C4C	2.29	127.78	124.81
14	A5	837	CLA	CAC-C3C-C4C	2.29	127.78	124.81
14	A4	831	CLA	C1C-C2C-C3C	-2.29	104.55	106.96
14	B3	1836	CLA	CHB-C4A-NA	2.29	127.67	124.51
14	F4	202	CLA	CHD-C4C-C3C	-2.29	121.48	124.84
14	B4	830	CLA	CMC-C2C-C1C	2.29	128.52	125.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	M2	1201	CLA	O2D-CGD-O1D	-2.29	119.37	123.84
16	B4	845	BCR	C33-C5-C4	-2.29	109.22	113.62
14	B5	1830	CLA	C3D-C4D-ND	2.29	113.94	110.24
14	B5	1837	CLA	C3D-C2D-C1D	-2.29	102.71	105.83
14	B6	840	CLA	CHD-C4C-C3C	-2.29	121.48	124.84
14	B5	1838	CLA	CHD-C4C-C3C	-2.29	121.48	124.84
14	B5	1842	CLA	O2A-CGA-CBA	2.29	119.08	111.91
14	B3	1831	CLA	C3D-C4D-ND	2.29	113.93	110.24
16	A2	1649	BCR	C30-C25-C26	-2.29	119.39	122.61
14	A6	1632	CLA	C1C-C2C-C3C	-2.28	104.55	106.96
16	B4	846	BCR	C37-C22-C23	2.28	121.68	118.08
14	B3	1817	CLA	O1D-CGD-CBD	-2.28	119.81	124.48
14	B6	830	CLA	O2A-CGA-CBA	2.28	121.37	114.03
14	B5	1826	CLA	CHD-C4C-C3C	-2.28	121.48	124.84
14	B4	825	CLA	C3D-C4D-ND	2.28	113.93	110.24
14	B1	824	CLA	C3D-C2D-C1D	-2.28	102.71	105.83
14	B4	823	CLA	C3D-C2D-C1D	-2.28	102.71	105.83
14	A6	1616	CLA	CED-O2D-CGD	2.28	121.10	115.94
14	A5	841	CLA	C3D-C4D-ND	2.28	113.93	110.24
16	B3	1847	BCR	C30-C25-C26	-2.28	119.40	122.61
14	A1	817	CLA	CAC-C3C-C4C	2.28	127.77	124.81
14	A3	818	CLA	O2A-CGA-O1A	-2.28	117.83	123.59
14	A5	834	CLA	O2A-CGA-O1A	-2.28	117.83	123.59
14	A1	813	CLA	O2A-CGA-CBA	2.28	121.36	114.03
16	J5	103	BCR	C1-C6-C7	2.28	122.24	115.78
14	B1	823	CLA	C3B-C4B-NB	2.28	112.16	109.21
14	B2	820	CLA	C3D-C2D-C1D	-2.28	102.72	105.83
14	B2	835	CLA	C3D-C2D-C1D	-2.28	102.72	105.83
14	B3	1838	CLA	C3D-C2D-C1D	-2.28	102.72	105.83
14	F4	202	CLA	C2D-C1D-ND	2.28	111.79	110.10
14	B5	1817	CLA	O1D-CGD-CBD	-2.28	119.81	124.48
14	B5	1833	CLA	CED-O2D-CGD	2.28	121.10	115.94
14	I1	101	CLA	C4A-NA-C1A	2.28	107.73	106.71
14	A3	814	CLA	CAC-C3C-C4C	2.28	127.77	124.81
14	B3	1829	CLA	C1C-C2C-C3C	-2.28	104.56	106.96
14	A3	816	CLA	CHD-C1D-ND	-2.28	122.36	124.45
14	A4	811	CLA	C3D-C2D-C1D	-2.28	102.72	105.83
16	J3	103	BCR	C12-C13-C14	-2.28	115.44	118.94
14	B3	1806	CLA	O2A-CGA-O1A	-2.28	117.83	123.59
14	A3	815	CLA	O1D-CGD-CBD	-2.28	119.82	124.48
14	B5	1842	CLA	C3D-C4D-ND	2.28	113.93	110.24
14	A2	1640	CLA	CAC-C3C-C4C	2.28	127.77	124.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A4	814	CLA	O2A-CGA-CBA	2.28	121.36	114.03
14	L5	202	CLA	O2D-CGD-O1D	-2.28	119.38	123.84
14	B1	854	CLA	CHD-C4C-C3C	-2.28	121.49	124.84
14	B5	1839	CLA	O2A-CGA-CBA	2.28	119.06	111.91
14	K3	1401	CLA	CMC-C2C-C1C	2.28	128.51	125.04
14	B6	821	CLA	CED-O2D-CGD	2.28	121.09	115.94
17	A5	852	LHG	C25-C24-C23	2.28	125.18	114.15
14	L3	203	CLA	C12-C11-C10	-2.28	102.76	113.24
14	A2	1616	CLA	CED-O2D-CGD	2.28	121.09	115.94
14	B1	839	CLA	C3C-C4C-NC	2.28	113.13	110.57
14	L6	208	CLA	C4A-NA-C1A	2.28	107.73	106.71
14	B5	1831	CLA	O2A-CGA-O1A	-2.28	117.84	123.59
14	A6	1651	CLA	CMC-C2C-C1C	2.28	128.51	125.04
14	A4	829	CLA	CHD-C1D-ND	-2.28	122.36	124.45
14	B1	829	CLA	C3D-C2D-C1D	-2.28	102.72	105.83
14	B3	1823	CLA	C3D-C2D-C1D	-2.28	102.72	105.83
14	B5	1808	CLA	C3D-C2D-C1D	-2.28	102.72	105.83
14	A3	827	CLA	O2A-CGA-O1A	-2.28	117.84	123.59
14	B5	1834	CLA	C11-C10-C8	2.28	123.29	115.92
14	B1	801	CLA	O2D-CGD-O1D	-2.28	119.38	123.84
14	L4	204	CLA	CHD-C4C-C3C	-2.28	121.49	124.84
14	A1	840	CLA	C1D-ND-C4D	-2.28	104.72	106.33
14	B2	802	CLA	C1D-ND-C4D	-2.28	104.72	106.33
14	B1	806	CLA	CMB-C2B-C3B	2.28	128.94	124.68
14	B4	832	CLA	O2A-CGA-CBA	2.28	121.35	114.03
16	J1	103	BCR	C12-C13-C14	-2.28	115.44	118.94
14	A5	833	CLA	C3D-C4D-ND	2.28	113.92	110.24
14	A3	828	CLA	C3B-C4B-NB	2.28	112.16	109.21
14	B2	814	CLA	CHD-C1D-ND	-2.28	122.36	124.45
14	A6	1601	CLA	O2A-CGA-O1A	-2.28	117.62	123.30
14	B6	821	CLA	O2A-CGA-CBA	2.28	121.35	114.03
14	B2	836	CLA	C2D-C1D-ND	2.28	111.78	110.10
14	J5	102	CLA	C2D-C1D-ND	2.28	111.78	110.10
14	A1	827	CLA	O2A-CGA-O1A	-2.28	117.84	123.59
14	A2	1628	CLA	C3D-C4D-ND	2.28	113.92	110.24
14	B4	835	CLA	C3D-C4D-ND	2.28	113.92	110.24
14	A1	803	CLA	O1D-CGD-CBD	-2.28	119.82	124.48
14	B1	808	CLA	C3B-C4B-NB	2.28	112.16	109.21
14	A2	1634	CLA	CMC-C2C-C1C	2.28	128.51	125.04
14	B1	813	CLA	CED-O2D-CGD	2.28	121.09	115.94
14	B1	821	CLA	C1D-ND-C4D	-2.28	104.72	106.33
14	B4	804	CLA	CHD-C1D-ND	-2.28	122.36	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B1	854	CLA	CAC-C3C-C4C	2.28	127.77	124.81
14	B5	1814	CLA	C3C-C4C-NC	2.28	113.12	110.57
14	X5	101	CLA	CMC-C2C-C1C	2.28	128.51	125.04
14	B4	811	CLA	C3B-C4B-NB	2.28	112.15	109.21
14	A2	1621	CLA	O2A-CGA-O1A	-2.28	117.84	123.59
14	B3	1805	CLA	C12-C11-C10	-2.28	102.78	113.24
14	B4	809	CLA	CED-O2D-CGD	2.28	121.09	115.94
16	A4	849	BCR	C24-C25-C26	-2.28	115.95	121.46
16	A1	845	BCR	C37-C22-C23	2.28	121.66	118.08
14	B2	827	CLA	CMC-C2C-C1C	2.28	128.51	125.04
16	L3	201	BCR	C1-C6-C5	-2.28	119.41	122.61
15	A6	1642	PQN	C2M-C2-C3	-2.28	120.69	124.40
14	B6	834	CLA	CHD-C4C-C3C	-2.28	121.49	124.84
16	L6	204	BCR	C30-C25-C24	2.28	122.22	115.78
14	B4	832	CLA	CMC-C2C-C1C	2.28	128.50	125.04
14	B6	828	CLA	CMC-C2C-C1C	2.28	128.50	125.04
14	A6	1629	CLA	CAC-C3C-C4C	2.28	127.76	124.81
14	B5	1832	CLA	O2A-CGA-CBA	2.28	121.34	114.03
14	A5	834	CLA	C3D-C4D-ND	2.28	113.92	110.24
16	J3	103	BCR	C1-C6-C7	2.28	122.22	115.78
14	A3	819	CLA	C2D-C1D-ND	2.28	111.78	110.10
14	B1	825	CLA	C4-C3-C5	2.28	119.10	115.27
14	A2	1621	CLA	C3C-C4C-NC	2.28	113.12	110.57
14	B2	820	CLA	C3C-C4C-NC	2.28	113.12	110.57
16	L5	207	BCR	C24-C25-C26	-2.28	115.95	121.46
14	A2	1634	CLA	C1C-C2C-C3C	-2.28	104.56	106.96
14	J1	101	CLA	O2A-CGA-CBA	2.28	121.34	114.03
14	A1	815	CLA	C3D-C2D-C1D	-2.28	102.73	105.83
14	A1	835	CLA	C3D-C4D-ND	2.28	113.92	110.24
14	A2	1608	CLA	CAC-C3C-C4C	2.28	127.76	124.81
16	J2	102	BCR	C1-C6-C5	-2.28	119.41	122.61
16	A3	848	BCR	C30-C25-C26	-2.28	119.41	122.61
14	B1	829	CLA	CHD-C4C-C3C	-2.28	121.50	124.84
14	B3	1815	CLA	CHD-C4C-C3C	-2.28	121.50	124.84
16	B6	847	BCR	C19-C18-C17	-2.27	115.45	118.94
14	B4	813	CLA	C3D-C4D-ND	2.27	113.92	110.24
14	F2	202	CLA	C2D-C1D-ND	2.27	111.78	110.10
14	B1	853	CLA	O1D-CGD-CBD	-2.27	119.83	124.48
14	A4	802	CLA	CMC-C2C-C1C	2.27	128.50	125.04
14	A6	1610	CLA	C3D-C4D-ND	2.27	113.92	110.24
14	B5	1835	CLA	C3D-C4D-ND	2.27	113.92	110.24
14	A1	821	CLA	C3D-C2D-C1D	-2.27	102.73	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A3	801	CLA	C3D-C2D-C1D	-2.27	102.73	105.83
14	A4	832	CLA	C3D-C2D-C1D	-2.27	102.73	105.83
14	L4	204	CLA	C3C-C4C-NC	2.27	113.12	110.57
14	A5	802	CLA	O2A-CGA-CBA	2.27	119.04	111.91
14	B5	1813	CLA	O2A-CGA-CBA	2.27	121.33	114.03
14	B1	811	CLA	CED-O2D-CGD	2.27	121.08	115.94
14	L2	205	CLA	O1D-CGD-CBD	-2.27	119.83	124.48
14	B3	1822	CLA	O1D-CGD-CBD	-2.27	119.83	124.48
14	B2	840	CLA	C4C-C3C-C2C	-2.27	103.58	106.90
14	A5	816	CLA	C3D-C2D-C1D	-2.27	102.73	105.83
14	A2	1624	CLA	CED-O2D-CGD	2.27	121.08	115.94
14	A6	1623	CLA	C2D-C1D-ND	2.27	111.78	110.10
14	A1	814	CLA	C3C-C4C-NC	2.27	113.12	110.57
16	L2	203	BCR	C30-C25-C24	2.27	122.21	115.78
14	B2	817	CLA	O2A-CGA-O1A	-2.27	117.86	123.59
14	B5	1805	CLA	C3D-C4D-ND	2.27	113.91	110.24
16	L6	209	BCR	C38-C26-C25	2.27	127.08	124.53
14	B5	1819	CLA	CMB-C2B-C3B	2.27	128.93	124.68
14	B1	826	CLA	O1D-CGD-CBD	-2.27	119.83	124.48
14	B3	1824	CLA	C3B-C4B-NB	2.27	112.15	109.21
14	A1	818	CLA	CED-O2D-CGD	2.27	121.08	115.94
16	B6	844	BCR	C37-C22-C23	2.27	121.66	118.08
14	A1	818	CLA	CAC-C3C-C4C	2.27	127.76	124.81
14	B4	811	CLA	CHD-C1D-ND	-2.27	122.37	124.45
14	L2	205	CLA	CMC-C2C-C1C	2.27	128.50	125.04
14	X3	102	CLA	CMC-C2C-C1C	2.27	128.50	125.04
16	A6	1648	BCR	C24-C25-C26	-2.27	115.96	121.46
14	I1	101	CLA	CHD-C4C-C3C	-2.27	121.50	124.84
14	M3	1601	CLA	C3D-C2D-C1D	-2.27	102.73	105.83
15	B1	842	PQN	C2M-C2-C3	-2.27	120.69	124.40
14	A4	815	CLA	CMC-C2C-C1C	2.27	128.50	125.04
14	A3	821	CLA	O2A-CGA-CBA	2.27	119.03	111.91
16	A6	1648	BCR	C33-C5-C4	-2.27	109.25	113.62
14	A1	814	CLA	C3B-C4B-NB	2.27	112.15	109.21
14	A4	808	CLA	CHD-C1D-ND	-2.27	122.37	124.45
14	A5	834	CLA	CHD-C1D-ND	-2.27	122.37	124.45
16	F2	201	BCR	C35-C13-C12	2.27	121.66	118.08
14	B3	1826	CLA	C3D-C2D-C1D	-2.27	102.73	105.83
14	B1	810	CLA	C3D-C4D-ND	2.27	113.91	110.24
14	A3	845	CLA	C1-C2-C3	2.27	129.97	126.04
14	A1	805	CLA	CAC-C3C-C4C	2.27	127.76	124.81
14	B4	825	CLA	CAC-C3C-C4C	2.27	127.76	124.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	L2	205	CLA	O2A-CGA-O1A	-2.27	117.86	123.59
14	F5	1301	CLA	CHD-C4C-C3C	-2.27	121.50	124.84
14	A2	1634	CLA	C2D-C1D-ND	2.27	111.78	110.10
14	A5	812	CLA	C2D-C1D-ND	2.27	111.78	110.10
14	A3	832	CLA	CMC-C2C-C1C	2.27	128.50	125.04
14	A3	843	CLA	CED-O2D-CGD	2.27	121.07	115.94
14	A3	805	CLA	C3D-C4D-ND	2.27	113.91	110.24
14	B4	830	CLA	C3D-C4D-ND	2.27	113.91	110.24
16	F1	1302	BCR	C1-C6-C5	-2.27	119.42	122.61
14	A2	1605	CLA	C3C-C4C-NC	2.27	113.12	110.57
14	L6	206	CLA	O1D-CGD-CBD	-2.27	119.84	124.48
14	B4	841	CLA	C3D-C4D-ND	2.27	113.91	110.24
14	A3	816	CLA	CMB-C2B-C3B	2.27	128.92	124.68
14	B1	818	CLA	C3D-C2D-C1D	-2.27	102.73	105.83
15	B5	1844	PQN	C2M-C2-C3	-2.27	120.70	124.40
14	B1	836	CLA	CMB-C2B-C3B	2.27	128.92	124.68
14	A5	807	CLA	CAC-C3C-C4C	2.27	127.75	124.81
14	B5	1840	CLA	C3D-C2D-C1D	-2.27	102.74	105.83
16	L1	203	BCR	C30-C25-C24	2.27	122.19	115.78
14	B3	1819	CLA	CMB-C2B-C3B	2.27	128.92	124.68
14	A5	843	CLA	CHD-C1D-ND	-2.27	122.37	124.45
14	B5	1812	CLA	CAA-C2A-C1A	2.27	119.41	111.97
14	A3	836	CLA	CMC-C2C-C1C	2.27	128.49	125.04
16	A4	845	BCR	C30-C25-C26	-2.27	119.42	122.61
16	I6	102	BCR	C1-C6-C5	-2.27	119.42	122.61
16	A5	853	BCR	C33-C5-C6	2.27	127.07	124.53
14	A3	831	CLA	CED-O2D-CGD	2.27	121.06	115.94
14	B3	1831	CLA	C1C-C2C-C3C	-2.27	104.57	106.96
14	B3	1812	CLA	CHD-C4C-C3C	-2.27	121.51	124.84
14	B3	1840	CLA	CHD-C4C-C3C	-2.27	121.51	124.84
14	A1	815	CLA	CED-O2D-CGD	2.27	121.06	115.94
14	A2	1619	CLA	CMC-C2C-C1C	2.27	128.49	125.04
14	A6	1609	CLA	CMB-C2B-C3B	2.27	128.92	124.68
14	A3	842	CLA	C1-O2A-CGA	2.27	122.39	116.44
14	L1	206	CLA	C3C-C4C-NC	2.27	113.11	110.57
14	B6	812	CLA	C3C-C4C-NC	2.27	113.11	110.57
14	A4	828	CLA	C3D-C4D-ND	2.27	113.90	110.24
14	B6	832	CLA	C3D-C4D-ND	2.27	113.90	110.24
14	B2	816	CLA	CHB-C4A-NA	2.27	127.65	124.51
14	B5	1802	CLA	CHB-C4A-NA	2.27	127.65	124.51
14	A4	811	CLA	O2D-CGD-O1D	-2.27	119.41	123.84
14	A4	821	CLA	CED-O2D-CGD	2.27	121.06	115.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B2	823	CLA	C4-C3-C5	2.27	119.08	115.27
14	A6	1608	CLA	CBC-CAC-C3C	-2.27	106.18	112.43
14	A3	843	CLA	C1C-C2C-C3C	-2.27	104.57	106.96
16	F3	201	BCR	C35-C13-C12	2.27	121.65	118.08
16	L5	201	BCR	C37-C22-C23	2.27	121.65	118.08
14	B6	821	CLA	C3C-C4C-NC	2.27	113.11	110.57
14	B4	826	CLA	C3D-C2D-C1D	-2.27	102.74	105.83
14	B5	1837	CLA	CMB-C2B-C3B	2.27	128.92	124.68
14	B2	820	CLA	O2A-CGA-CBA	2.27	121.31	114.03
14	B2	802	CLA	CHD-C1D-ND	-2.27	122.37	124.45
14	L6	207	CLA	CHD-C4C-C3C	-2.27	121.51	124.84
14	A3	823	CLA	CMB-C2B-C3B	2.27	128.92	124.68
14	A2	1614	CLA	C3D-C2D-C1D	-2.26	102.74	105.83
14	B6	837	CLA	O2A-CGA-O1A	-2.26	117.88	123.59
14	B6	840	CLA	O2A-CGA-CBA	2.26	119.02	111.91
14	M6	1201	CLA	O2D-CGD-O1D	-2.26	119.41	123.84
14	A2	1603	CLA	CMC-C2C-C1C	2.26	128.49	125.04
14	B1	806	CLA	C2D-C1D-ND	2.26	111.77	110.10
14	B4	838	CLA	C2D-C1D-ND	2.26	111.77	110.10
14	B4	821	CLA	CHD-C1D-ND	-2.26	122.37	124.45
14	A2	1620	CLA	C3D-C2D-C1D	-2.26	102.74	105.83
14	B4	824	CLA	C3D-C4D-ND	2.26	113.90	110.24
14	B1	805	CLA	CMB-C2B-C3B	2.26	128.91	124.68
14	B1	816	CLA	CMB-C2B-C3B	2.26	128.91	124.68
14	B1	802	CLA	C3C-C4C-NC	2.26	113.11	110.57
14	B5	1823	CLA	C3C-C4C-NC	2.26	113.11	110.57
16	M6	1202	BCR	C33-C5-C4	-2.26	109.27	113.62
14	A1	837	CLA	O2A-CGA-O1A	-2.26	117.88	123.59
14	B1	817	CLA	CMB-C2B-C3B	2.26	128.91	124.68
14	A3	832	CLA	CHD-C4C-C3C	-2.26	121.51	124.84
14	A4	818	CLA	C2D-C1D-ND	2.26	111.77	110.10
16	L4	206	BCR	C29-C30-C25	2.26	113.97	110.48
14	L6	206	CLA	C3D-C4D-ND	2.26	113.90	110.24
14	A1	826	CLA	O1D-CGD-CBD	-2.26	119.85	124.48
14	B6	837	CLA	C3D-C2D-C1D	-2.26	102.74	105.83
14	A6	1640	CLA	C4C-C3C-C2C	-2.26	103.60	106.90
14	B5	1803	CLA	C12-C11-C10	-2.26	102.84	113.24
14	A6	1603	CLA	C3C-C4C-NC	2.26	113.11	110.57
14	B6	805	CLA	C3C-C4C-NC	2.26	113.11	110.57
14	F1	1301	CLA	CHD-C4C-C3C	-2.26	121.52	124.84
14	A2	1634	CLA	CHD-C4C-C3C	-2.26	121.52	124.84
14	A4	819	CLA	C3D-C2D-C1D	-2.26	102.74	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A1	806	CLA	CAC-C3C-C4C	2.26	127.75	124.81
14	A2	1614	CLA	C2D-C1D-ND	2.26	111.77	110.10
16	A3	849	BCR	C40-C30-C25	2.26	113.97	110.30
16	B3	1851	BCR	C37-C22-C23	2.26	121.64	118.08
14	A3	813	CLA	CED-O2D-CGD	2.26	121.05	115.94
16	L1	209	BCR	C30-C25-C26	-2.26	119.43	122.61
14	B5	1838	CLA	O2A-CGA-CBA	2.26	121.30	114.03
14	A2	1606	CLA	C12-C11-C10	-2.26	105.62	113.62
14	A1	830	CLA	CED-O2D-CGD	2.26	121.05	115.94
14	L2	202	CLA	CED-O2D-CGD	2.26	121.05	115.94
14	B3	1837	CLA	CMB-C2B-C3B	2.26	128.91	124.68
14	J2	101	CLA	O2A-CGA-CBA	2.26	121.30	114.03
16	A3	848	BCR	C38-C26-C25	2.26	127.07	124.53
14	A6	1604	CLA	CMC-C2C-C1C	2.26	128.48	125.04
14	M6	1201	CLA	CMC-C2C-C1C	2.26	128.48	125.04
14	B2	829	CLA	O2A-CGA-CBA	2.26	121.29	114.03
14	A6	1633	CLA	C3D-C4D-ND	2.26	113.89	110.24
14	A1	801	CLA	C1C-C2C-C3C	-2.26	104.58	106.96
14	B6	840	CLA	CHD-C1D-ND	-2.26	122.38	124.45
14	A1	830	CLA	CHD-C4C-C3C	-2.26	121.52	124.84
14	A2	1635	CLA	CHD-C4C-C3C	-2.26	121.52	124.84
14	B6	818	CLA	CHD-C4C-C3C	-2.26	121.52	124.84
16	B3	1849	BCR	C29-C30-C25	2.26	113.96	110.48
14	B4	818	CLA	C3D-C2D-C1D	-2.26	102.75	105.83
14	B3	1824	CLA	CAC-C3C-C4C	2.26	127.74	124.81
14	A4	818	CLA	CAC-C3C-C4C	2.26	127.74	124.81
14	B6	822	CLA	CAC-C3C-C4C	2.26	127.74	124.81
14	K6	1401	CLA	O2A-CGA-CBA	2.26	121.29	114.03
16	A3	847	BCR	C38-C26-C27	-2.26	109.28	113.62
14	B4	837	CLA	CED-O2D-CGD	2.26	121.05	115.94
14	B2	805	CLA	C3B-C4B-NB	2.26	112.13	109.21
14	A3	803	CLA	CHD-C4C-C3C	-2.26	121.52	124.84
14	B1	853	CLA	O2A-CGA-O1A	-2.26	117.89	123.59
14	B2	815	CLA	CMB-C2B-C3B	2.26	128.91	124.68
16	L3	206	BCR	C38-C26-C27	-2.26	109.28	113.62
14	B5	1838	CLA	C3D-C2D-C1D	-2.26	102.75	105.83
14	B3	1825	CLA	CAC-C3C-C4C	2.26	127.74	124.81
14	L4	204	CLA	CAC-C3C-C4C	2.26	127.74	124.81
16	F1	1302	BCR	C40-C30-C25	2.26	113.96	110.30
14	B3	1804	CLA	CMC-C2C-C1C	2.26	128.48	125.04
16	B4	849	BCR	C30-C25-C26	-2.26	119.43	122.61
14	B4	852	CLA	O2A-CGA-O1A	-2.26	117.89	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B5	1829	CLA	C1C-C2C-C3C	-2.26	104.58	106.96
14	A3	828	CLA	C2D-C1D-ND	2.26	111.77	110.10
14	A5	843	CLA	O2A-CGA-O1A	-2.26	117.89	123.59
14	A5	809	CLA	C3D-C2D-C1D	-2.26	102.75	105.83
15	B6	842	PQN	C17-C16-C15	-2.26	107.23	113.36
14	B5	1836	CLA	CHB-C4A-NA	2.26	127.63	124.51
14	B6	828	CLA	C3D-C2D-C1D	-2.26	102.75	105.83
17	A2	1654	LHG	C25-C24-C23	2.26	125.07	114.15
14	A6	1623	CLA	CAC-C3C-C4C	2.26	127.74	124.81
14	A4	822	CLA	C2D-C1D-ND	2.26	111.77	110.10
16	B2	846	BCR	C37-C22-C23	2.26	121.63	118.08
14	A3	818	CLA	C3D-C2D-C1D	-2.26	102.75	105.83
16	B5	1848	BCR	C19-C18-C17	-2.26	115.48	118.94
14	L2	205	CLA	C3D-C4D-ND	2.26	113.89	110.24
14	B5	1822	CLA	CHD-C4C-C3C	-2.26	121.52	124.84
14	A5	816	CLA	CHD-C1D-ND	-2.26	122.38	124.45
16	A4	845	BCR	C38-C26-C25	2.26	127.06	124.53
14	B3	1808	CLA	C3B-C4B-NB	2.26	112.13	109.21
14	B1	815	CLA	O1D-CGD-CBD	-2.26	119.87	124.48
14	B4	816	CLA	O1D-CGD-CBD	-2.26	119.87	124.48
14	B1	817	CLA	C3D-C2D-C1D	-2.26	102.75	105.83
14	A1	809	CLA	C3D-C4D-ND	2.26	113.89	110.24
14	A6	1607	CLA	C3D-C4D-ND	2.26	113.89	110.24
14	B4	838	CLA	CED-O2D-CGD	2.26	121.04	115.94
14	A1	840	CLA	C3C-C4C-NC	2.26	113.10	110.57
14	A6	1616	CLA	CMB-C2B-C3B	2.25	128.90	124.68
14	A3	814	CLA	C3D-C2D-C1D	-2.25	102.75	105.83
14	B2	820	CLA	CHD-C1D-ND	-2.25	122.38	124.45
14	B6	815	CLA	CHD-C1D-ND	-2.25	122.38	124.45
14	A4	814	CLA	CHD-C4C-C3C	-2.25	121.53	124.84
16	L2	203	BCR	C30-C25-C26	-2.25	119.44	122.61
14	B1	827	CLA	CAC-C3C-C4C	2.25	127.73	124.81
14	A3	838	CLA	CAC-C3C-C4C	2.25	127.73	124.81
14	B4	841	CLA	CMC-C2C-C1C	2.25	128.47	125.04
14	A5	832	CLA	CMC-C2C-C1C	2.25	128.47	125.04
14	B2	826	CLA	O2A-CGA-O1A	-2.25	117.90	123.59
14	L4	201	CLA	CHD-C1D-ND	-2.25	122.38	124.45
14	M1	1201	CLA	O2D-CGD-O1D	-2.25	119.43	123.84
14	A4	830	CLA	O1D-CGD-CBD	-2.25	119.87	124.48
14	A5	824	CLA	O2A-CGA-O1A	-2.25	117.91	123.59
14	A3	815	CLA	CHD-C4C-C3C	-2.25	121.53	124.84
14	A3	801	CLA	C4A-NA-C1A	2.25	107.72	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	B1	847	BCR	C30-C25-C26	-2.25	119.44	122.61
14	B2	814	CLA	O1D-CGD-CBD	-2.25	119.87	124.48
14	A3	809	CLA	CMC-C2C-C1C	2.25	128.47	125.04
16	L6	204	BCR	C38-C26-C27	-2.25	109.29	113.62
14	B6	814	CLA	C3D-C4D-ND	2.25	113.88	110.24
14	B4	838	CLA	O2A-CGA-CBA	2.25	121.27	114.03
14	B5	1812	CLA	CAC-C3C-C4C	2.25	127.73	124.81
14	B6	810	CLA	C2D-C1D-ND	2.25	111.76	110.10
14	B2	827	CLA	CHD-C4C-C3C	-2.25	121.53	124.84
14	B2	839	CLA	CHD-C4C-C3C	-2.25	121.53	124.84
14	B6	838	CLA	CHD-C4C-C3C	-2.25	121.53	124.84
14	B5	1840	CLA	C3C-C4C-NC	2.25	113.10	110.57
14	B5	1806	CLA	CMC-C2C-C1C	2.25	128.47	125.04
14	B3	1804	CLA	CMB-C2B-C3B	2.25	128.89	124.68
14	X1	1701	CLA	C1D-ND-C4D	-2.25	104.73	106.33
14	J4	101	CLA	O2A-CGA-CBA	2.25	121.27	114.03
16	I3	102	BCR	C38-C26-C27	-2.25	109.29	113.62
14	A5	816	CLA	CBC-CAC-C3C	-2.25	106.22	112.43
14	B2	834	CLA	C3D-C2D-C1D	-2.25	102.76	105.83
14	B5	1822	CLA	C3D-C2D-C1D	-2.25	102.76	105.83
14	A6	1631	CLA	C3C-C4C-NC	2.25	113.10	110.57
14	A2	1634	CLA	CED-O2D-CGD	2.25	121.03	115.94
16	M4	101	BCR	C33-C5-C6	2.25	127.06	124.53
16	A5	848	BCR	C33-C5-C6	2.25	127.06	124.53
14	B3	1806	CLA	C2D-C1D-ND	2.25	111.76	110.10
14	B4	842	CLA	CHD-C4C-C3C	-2.25	121.53	124.84
14	B4	829	CLA	C3D-C4D-ND	2.25	113.88	110.24
14	F1	1301	CLA	O2A-CGA-CBA	2.25	121.26	114.03
14	A4	834	CLA	CMB-C2B-C3B	2.25	128.89	124.68
16	F4	204	BCR	C37-C22-C23	2.25	121.62	118.08
14	A3	822	CLA	CHD-C4C-C3C	-2.25	121.53	124.84
14	L2	206	CLA	CAC-C3C-C4C	2.25	127.73	124.81
14	B2	835	CLA	CED-O2D-CGD	2.25	121.03	115.94
14	A5	822	CLA	C3D-C2D-C1D	-2.25	102.76	105.83
16	F5	1302	BCR	C33-C5-C4	-2.25	109.29	113.62
14	A5	831	CLA	O2A-CGA-O1A	-2.25	117.91	123.59
14	B2	830	CLA	CED-O2D-CGD	2.25	121.03	115.94
14	A6	1638	CLA	C3D-C4D-ND	2.25	113.88	110.24
14	A3	801	CLA	C1C-C2C-C3C	-2.25	104.59	106.96
14	L6	202	CLA	C1C-C2C-C3C	-2.25	104.59	106.96
14	B2	818	CLA	CAC-C3C-C4C	2.25	127.73	124.81
14	A1	837	CLA	C4-C3-C5	2.25	118.56	115.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	M3	1601	CLA	O2A-CGA-O1A	-2.25	117.69	123.30
16	L5	207	BCR	C29-C30-C25	2.25	113.94	110.48
16	B1	849	BCR	C33-C5-C6	2.25	127.05	124.53
14	B4	842	CLA	C12-C11-C10	-2.25	102.90	113.24
14	L1	202	CLA	C3D-C4D-ND	2.25	113.88	110.24
14	B2	810	CLA	C3D-C4D-ND	2.25	113.88	110.24
14	B2	821	CLA	C3D-C4D-ND	2.25	113.88	110.24
14	B3	1817	CLA	CMB-C2B-C3B	2.25	128.89	124.68
14	B4	802	CLA	CHB-C4A-NA	2.25	127.62	124.51
14	B6	812	CLA	C3D-C2D-C1D	-2.25	102.76	105.83
14	B6	820	CLA	O1D-CGD-CBD	-2.25	119.88	124.48
14	B1	806	CLA	C3D-C4D-ND	2.25	113.88	110.24
14	A6	1624	CLA	C2D-C1D-ND	2.25	111.76	110.10
16	I4	102	BCR	C30-C25-C24	2.25	122.14	115.78
14	X4	102	CLA	CMC-C2C-C1C	2.25	128.46	125.04
14	A6	1639	CLA	CMC-C2C-C1C	2.25	128.46	125.04
16	J6	1104	BCR	C38-C26-C27	-2.25	109.30	113.62
14	B1	830	CLA	C3D-C4D-ND	2.25	113.87	110.24
14	A5	823	CLA	C3D-C4D-ND	2.25	113.87	110.24
14	A1	829	CLA	O2A-CGA-CBA	2.25	118.96	111.91
14	K3	1401	CLA	O2A-CGA-CBA	2.25	121.25	114.03
14	A6	1639	CLA	O2A-CGA-O1A	-2.25	117.92	123.59
14	A6	1624	CLA	C3D-C2D-C1D	-2.25	102.76	105.83
14	X6	1701	CLA	C3D-C2D-C1D	-2.25	102.76	105.83
16	L3	201	BCR	C33-C5-C4	-2.25	109.30	113.62
14	B6	835	CLA	C2D-C1D-ND	2.25	111.76	110.10
14	B3	1803	CLA	CHD-C1D-ND	-2.25	122.39	124.45
14	B4	826	CLA	C4-C3-C5	2.25	119.05	115.27
14	A6	1635	CLA	CMC-C2C-C1C	2.25	128.46	125.04
14	B6	835	CLA	CMB-C2B-C3B	2.25	128.88	124.68
16	I2	101	BCR	C1-C6-C5	-2.25	119.45	122.61
14	A4	817	CLA	C3D-C2D-C1D	-2.25	102.77	105.83
14	A1	807	CLA	O2A-CGA-O1A	-2.25	117.92	123.59
14	A5	843	CLA	CMB-C2B-C3B	2.25	128.88	124.68
14	A3	833	CLA	CBC-CAC-C3C	-2.25	106.24	112.43
14	A2	1623	CLA	C3D-C4D-ND	2.25	113.87	110.24
14	A6	1619	CLA	CED-O2D-CGD	2.25	121.02	115.94
14	B1	805	CLA	C3D-C2D-C1D	-2.25	102.77	105.83
14	B3	1820	CLA	O2A-CGA-O1A	-2.25	117.92	123.59
14	A6	1607	CLA	CMC-C2C-C1C	2.25	128.46	125.04
14	B6	821	CLA	C1D-ND-C4D	-2.25	104.74	106.33
14	B4	805	CLA	CAC-C3C-C4C	2.25	127.72	124.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A1	831	CLA	CBC-CAC-C3C	-2.24	106.24	112.43
16	B2	845	BCR	C36-C18-C19	2.24	121.61	118.08
14	B6	807	CLA	C3B-C4B-NB	2.24	112.11	109.21
14	B5	1819	CLA	CHB-C4A-NA	2.24	127.62	124.51
14	A1	817	CLA	C3D-C2D-C1D	-2.24	102.77	105.83
14	B1	809	CLA	C3D-C2D-C1D	-2.24	102.77	105.83
14	B4	810	CLA	C3D-C4D-ND	2.24	113.87	110.24
14	A6	1626	CLA	C3D-C4D-ND	2.24	113.87	110.24
14	B1	831	CLA	O2A-CGA-CBA	2.24	121.24	114.03
14	B6	821	CLA	CHD-C1D-ND	-2.24	122.39	124.45
14	B5	1837	CLA	CED-O2D-CGD	2.24	121.01	115.94
14	A3	815	CLA	C3D-C2D-C1D	-2.24	102.77	105.83
14	A1	831	CLA	CHD-C4C-C3C	-2.24	121.54	124.84
16	A2	1649	BCR	C40-C30-C25	2.24	113.94	110.30
16	J6	1104	BCR	C1-C6-C7	2.24	122.12	115.78
14	A2	1614	CLA	C3C-C4C-NC	2.24	113.09	110.57
14	A3	825	CLA	CMC-C2C-C1C	2.24	128.46	125.04
14	B4	819	CLA	C3D-C2D-C1D	-2.24	102.77	105.83
14	B6	816	CLA	C3D-C2D-C1D	-2.24	102.77	105.83
14	B5	1825	CLA	C3D-C2D-C1D	-2.24	102.77	105.83
14	B4	819	CLA	CAC-C3C-C4C	2.24	127.72	124.81
14	B1	853	CLA	CMB-C2B-C3B	2.24	128.87	124.68
14	J5	102	CLA	C3C-C4C-NC	2.24	113.09	110.57
14	A5	825	CLA	CMC-C2C-C1C	2.24	128.45	125.04
14	B4	816	CLA	CHD-C4C-C3C	-2.24	121.54	124.84
16	B3	1847	BCR	C40-C30-C25	2.24	113.94	110.30
14	I1	101	CLA	O2A-CGA-CBA	2.24	118.94	111.91
14	B3	1842	CLA	C4A-NA-C1A	2.24	107.71	106.71
16	L1	203	BCR	C38-C26-C27	-2.24	109.31	113.62
16	A4	844	BCR	C38-C26-C27	-2.24	109.31	113.62
14	A4	816	CLA	CMC-C2C-C1C	2.24	128.45	125.04
14	J6	1101	CLA	CMC-C2C-C1C	2.24	128.45	125.04
14	X4	102	CLA	C2D-C1D-ND	2.24	111.76	110.10
16	A4	849	BCR	C34-C9-C8	2.24	121.61	118.08
14	A5	815	CLA	C3D-C2D-C1D	-2.24	102.77	105.83
14	B6	818	CLA	O2A-CGA-O1A	-2.24	117.94	123.59
14	B6	826	CLA	CMB-C2B-C1B	-2.24	125.02	128.46
14	L4	201	CLA	O2D-CGD-O1D	-2.24	119.46	123.84
16	J5	103	BCR	C12-C13-C14	-2.24	115.50	118.94
16	J2	102	BCR	C35-C13-C12	2.24	121.61	118.08
14	A3	814	CLA	CHD-C4C-C3C	-2.24	121.55	124.84
16	A2	1647	BCR	C38-C26-C27	-2.24	109.31	113.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B4	838	CLA	C3D-C2D-C1D	-2.24	102.77	105.83
14	L2	202	CLA	O1D-CGD-CBD	-2.24	119.90	124.48
16	A4	847	BCR	C33-C5-C6	2.24	127.04	124.53
14	A4	822	CLA	CAC-C3C-C4C	2.24	127.72	124.81
14	A2	1604	CLA	CHB-C4A-NA	2.24	127.61	124.51
14	B4	801	CLA	O2A-CGA-CBA	2.24	118.94	111.91
14	B2	815	CLA	O2A-CGA-O1A	-2.24	117.94	123.59
14	B5	1824	CLA	C3B-C4B-NB	2.24	112.11	109.21
14	A4	839	CLA	O2A-CGA-O1A	-2.24	117.94	123.59
14	B6	840	CLA	C4A-NA-C1A	2.24	107.71	106.71
14	B1	817	CLA	CED-O2D-CGD	2.24	121.00	115.94
14	A4	819	CLA	O2A-CGA-O1A	-2.24	117.94	123.59
14	B6	816	CLA	CED-O2D-CGD	2.24	121.00	115.94
14	B5	1809	CLA	C3C-C4C-NC	2.24	113.08	110.57
14	B6	804	CLA	CHD-C4C-C3C	-2.24	121.55	124.84
14	A6	1632	CLA	CMB-C2B-C3B	2.24	128.87	124.68
14	L5	204	CLA	C3D-C4D-ND	2.24	113.86	110.24
14	B6	825	CLA	C3D-C2D-C1D	-2.24	102.78	105.83
16	B4	846	BCR	C36-C18-C19	2.24	121.60	118.08
14	A4	820	CLA	O2A-CGA-CBA	2.24	118.93	111.91
14	B1	836	CLA	CHD-C4C-C3C	-2.24	121.55	124.84
14	B5	1819	CLA	CHD-C4C-C3C	-2.24	121.55	124.84
14	A1	823	CLA	C3D-C2D-C1D	-2.24	102.78	105.83
14	A6	1619	CLA	C3B-C4B-NB	2.24	112.10	109.21
14	B6	834	CLA	C2D-C1D-ND	2.24	111.75	110.10
14	A3	817	CLA	CMC-C2C-C1C	2.24	128.45	125.04
14	A1	811	CLA	C3D-C2D-C1D	-2.24	102.78	105.83
14	B3	1818	CLA	C3D-C2D-C1D	-2.24	102.78	105.83
14	A4	803	CLA	CHD-C4C-C3C	-2.24	121.55	124.84
14	B3	1804	CLA	O2A-CGA-O1A	-2.24	117.95	123.59
14	L1	206	CLA	CAC-C3C-C4C	2.24	127.71	124.81
14	A6	1614	CLA	CAC-C3C-C4C	2.24	127.71	124.81
14	A6	1640	CLA	CAC-C3C-C4C	2.24	127.71	124.81
16	A1	846	BCR	C1-C6-C5	-2.24	119.46	122.61
16	J1	103	BCR	C1-C6-C5	-2.24	119.46	122.61
14	A4	830	CLA	CED-O2D-CGD	2.24	120.99	115.94
14	M6	1201	CLA	CBC-CAC-C3C	-2.24	106.27	112.43
14	B4	814	CLA	C3C-C4C-NC	2.24	113.08	110.57
14	B4	824	CLA	C3C-C4C-NC	2.24	113.08	110.57
16	A6	1644	BCR	C38-C26-C25	2.24	127.04	124.53
14	A6	1618	CLA	O2A-CGA-O1A	-2.24	117.95	123.59
14	B3	1828	CLA	CAC-C3C-C4C	2.24	127.71	124.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A6	1618	CLA	C3D-C2D-C1D	-2.23	102.78	105.83
16	A6	1643	BCR	C33-C5-C4	-2.23	109.32	113.62
14	B2	839	CLA	C4C-C3C-C2C	-2.23	103.64	106.90
14	L1	201	CLA	C1C-C2C-C3C	-2.23	104.61	106.96
14	B4	831	CLA	C1C-C2C-C3C	-2.23	104.61	106.96
14	A6	1625	CLA	O1D-CGD-CBD	-2.23	119.91	124.48
14	K2	1401	CLA	C3D-C4D-ND	2.23	113.85	110.24
14	B5	1808	CLA	CAC-C3C-C4C	2.23	127.71	124.81
16	B2	845	BCR	C38-C26-C25	2.23	127.04	124.53
14	A2	1605	CLA	C3D-C2D-C1D	-2.23	102.78	105.83
14	A4	813	CLA	O2A-CGA-CBA	2.23	121.21	114.03
14	L3	204	CLA	CHD-C4C-C3C	-2.23	121.56	124.84
14	A2	1604	CLA	O2D-CGD-CBD	2.23	115.24	111.27
14	B3	1801	CLA	CMB-C2B-C3B	2.23	128.86	124.68
14	B2	820	CLA	O1D-CGD-CBD	-2.23	119.91	124.48
14	A5	821	CLA	C12-C11-C10	-2.23	102.97	113.24
14	B4	852	CLA	CMC-C2C-C1C	2.23	128.44	125.04
14	A3	809	CLA	CMB-C2B-C3B	2.23	128.86	124.68
14	A5	815	CLA	CHD-C4C-C3C	-2.23	121.56	124.84
14	B6	809	CLA	C3D-C2D-C1D	-2.23	102.78	105.83
14	B4	825	CLA	O2A-CGA-CBA	2.23	121.20	114.03
16	J5	103	BCR	C1-C6-C5	-2.23	119.47	122.61
14	L6	207	CLA	C3D-C4D-ND	2.23	113.85	110.24
14	B4	822	CLA	CED-O2D-CGD	2.23	120.99	115.94
14	B6	810	CLA	CAA-C2A-C1A	2.23	119.29	111.97
14	A3	831	CLA	CHD-C4C-C3C	-2.23	121.56	124.84
14	K6	1401	CLA	CAC-C3C-C4C	2.23	127.71	124.81
14	A5	808	CLA	O2A-CGA-O1A	-2.23	117.96	123.59
14	A2	1608	CLA	C3C-C4C-NC	2.23	113.08	110.57
14	L2	206	CLA	C3C-C4C-NC	2.23	113.08	110.57
14	B4	811	CLA	CMC-C2C-C1C	2.23	128.44	125.04
14	A3	842	CLA	CMB-C2B-C3B	2.23	128.85	124.68
16	J1	103	BCR	C1-C6-C7	2.23	122.09	115.78
14	A3	826	CLA	C9-C8-C10	2.23	119.38	111.29
14	B1	806	CLA	C3D-C2D-C1D	-2.23	102.78	105.83
14	B4	825	CLA	CMC-C2C-C1C	2.23	128.44	125.04
14	A5	803	CLA	C3C-C4C-NC	2.23	113.07	110.57
14	B5	1801	CLA	C1-C2-C3	2.23	129.90	126.04
14	A5	818	CLA	CED-O2D-CGD	2.23	120.98	115.94
14	A1	823	CLA	CHD-C1D-ND	-2.23	122.40	124.45
14	B3	1842	CLA	CHD-C1D-ND	-2.23	122.40	124.45
14	B5	1811	CLA	C1C-C2C-C3C	-2.23	104.61	106.96

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B2	809	CLA	CHD-C4C-C3C	-2.23	121.56	124.84
14	B3	1816	CLA	CHD-C4C-C3C	-2.23	121.56	124.84
14	A3	802	CLA	C3D-C2D-C1D	-2.23	102.79	105.83
17	A4	851	LHG	C25-C24-C23	2.23	124.94	114.15
14	B3	1823	CLA	CHD-C1D-ND	-2.23	122.40	124.45
14	B3	1801	CLA	CMC-C2C-C1C	2.23	128.44	125.04
14	A3	822	CLA	C3D-C2D-C1D	-2.23	102.79	105.83
14	A2	1614	CLA	CAC-C3C-C4C	2.23	127.70	124.81
16	B6	847	BCR	C37-C22-C23	2.23	121.59	118.08
14	A1	814	CLA	CHD-C4C-C3C	-2.23	121.56	124.84
14	B2	819	CLA	CHD-C4C-C3C	-2.23	121.56	124.84
14	A4	818	CLA	C3C-C4C-NC	2.23	113.07	110.57
16	J4	103	BCR	C38-C26-C27	-2.23	109.33	113.62
14	A2	1617	CLA	C3B-C4B-NB	2.23	112.09	109.21
14	A5	826	CLA	C3B-C4B-NB	2.23	112.09	109.21
14	B4	806	CLA	O2A-CGA-O1A	-2.23	117.96	123.59
14	A6	1617	CLA	CMC-C2C-C1C	2.23	128.44	125.04
14	B1	814	CLA	C1D-ND-C4D	-2.23	104.75	106.33
14	A6	1603	CLA	CHB-C4A-NA	2.23	127.59	124.51
14	A2	1626	CLA	O2A-CGA-O1A	-2.23	117.97	123.59
14	A2	1644	CLA	CED-O2D-CGD	2.23	120.98	115.94
14	A5	841	CLA	C4C-C3C-C2C	-2.23	103.65	106.90
14	B3	1827	CLA	C3D-C2D-C1D	-2.23	102.79	105.83
14	A3	832	CLA	C1C-C2C-C3C	-2.23	104.61	106.96
14	A1	813	CLA	CHD-C4C-C3C	-2.23	121.56	124.84
14	J6	1103	CLA	CHD-C1D-ND	-2.23	122.41	124.45
14	A6	1640	CLA	C12-C11-C10	-2.23	103.00	113.24
14	A6	1612	CLA	O2D-CGD-O1D	-2.23	119.48	123.84
14	B6	822	CLA	C3D-C2D-C1D	-2.23	102.79	105.83
14	A1	818	CLA	C3C-C4C-NC	2.23	113.07	110.57
14	A4	840	CLA	CMB-C2B-C3B	2.23	128.85	124.68
14	B6	819	CLA	CAC-C3C-C4C	2.23	127.70	124.81
15	A1	841	PQN	C2M-C2-C3	-2.23	120.77	124.40
14	B1	802	CLA	CBC-CAC-C3C	-2.23	106.29	112.43
14	B4	815	CLA	C4C-C3C-C2C	-2.23	103.65	106.90
14	B5	1826	CLA	C3D-C2D-C1D	-2.23	102.79	105.83
14	B2	801	CLA	CED-O2D-CGD	2.23	120.97	115.94
14	B4	802	CLA	C3C-C4C-NC	2.23	113.07	110.57
14	A4	832	CLA	CHD-C4C-C3C	-2.23	121.57	124.84
16	M1	1202	BCR	C7-C6-C5	-2.23	116.07	121.46
14	B1	829	CLA	C3D-C4D-ND	2.23	113.84	110.24
14	B3	1802	CLA	C3D-C4D-ND	2.23	113.84	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B4	802	CLA	C3D-C4D-ND	2.23	113.84	110.24
14	J4	102	CLA	C2D-C1D-ND	2.23	111.75	110.10
16	B4	847	BCR	C40-C30-C25	2.23	113.91	110.30
14	A4	814	CLA	C3D-C2D-C1D	-2.23	102.79	105.83
14	A5	806	CLA	C3D-C2D-C1D	-2.23	102.79	105.83
14	A5	825	CLA	C3D-C2D-C1D	-2.23	102.79	105.83
14	A1	813	CLA	O2A-CGA-O1A	-2.23	117.75	123.30
14	A3	821	CLA	C3D-C4D-ND	2.23	113.84	110.24
14	B1	821	CLA	CED-O2D-CGD	2.23	120.97	115.94
14	B6	813	CLA	C1D-ND-C4D	-2.23	104.75	106.33
16	A4	849	BCR	C33-C5-C4	-2.23	109.34	113.62
14	B6	822	CLA	C3B-C4B-NB	2.23	112.09	109.21
14	B5	1806	CLA	O1D-CGD-CBD	-2.23	119.93	124.48
14	B6	816	CLA	CMB-C2B-C3B	2.23	128.84	124.68
16	B4	848	BCR	C19-C18-C17	-2.22	115.53	118.94
14	B1	825	CLA	CHD-C4C-C3C	-2.22	121.57	124.84
14	A3	839	CLA	CHD-C4C-C3C	-2.22	121.57	124.84
14	M6	1201	CLA	C3B-C4B-NB	2.22	112.09	109.21
14	K1	1401	CLA	C3D-C4D-ND	2.22	113.84	110.24
14	A5	815	CLA	C3D-C4D-ND	2.22	113.84	110.24
14	B5	1820	CLA	O2A-CGA-O1A	-2.22	117.98	123.59
14	A6	1621	CLA	O2A-CGA-CBA	2.22	118.89	111.91
14	A1	801	CLA	C4A-NA-C1A	2.22	107.71	106.71
14	A5	816	CLA	CAC-C3C-C4C	2.22	127.70	124.81
14	B4	852	CLA	CHD-C1D-ND	-2.22	122.41	124.45
14	B5	1821	CLA	C2D-C1D-ND	2.22	111.74	110.10
14	A6	1602	CLA	C1C-C2C-C3C	-2.22	104.62	106.96
14	J3	102	CLA	C3D-C2D-C1D	-2.22	102.80	105.83
16	B1	846	BCR	C36-C18-C19	2.22	121.58	118.08
14	A4	809	CLA	C3D-C4D-ND	2.22	113.83	110.24
16	I1	103	BCR	C29-C30-C25	2.22	113.90	110.48
14	A6	1640	CLA	CMB-C2B-C3B	2.22	128.84	124.68
14	B4	836	CLA	O2D-CGD-O1D	-2.22	119.49	123.84
14	A2	1615	CLA	O1D-CGD-CBD	-2.22	119.94	124.48
14	A2	1603	CLA	CBC-CAC-C3C	-2.22	106.30	112.43
14	A1	838	CLA	CAC-C3C-C4C	2.22	127.69	124.81
14	B4	830	CLA	C5-C3-C2	2.22	125.61	121.12
16	I1	102	BCR	C1-C6-C5	-2.22	119.48	122.61
14	A3	833	CLA	CMB-C2B-C3B	2.22	128.84	124.68
14	A5	804	CLA	CMC-C2C-C1C	2.22	128.42	125.04
16	J3	103	BCR	C1-C6-C5	-2.22	119.48	122.61
14	B3	1818	CLA	CMB-C2B-C3B	2.22	128.84	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B4	817	CLA	CMB-C2B-C3B	2.22	128.84	124.68
14	A6	1623	CLA	CMB-C2B-C3B	2.22	128.84	124.68
14	A6	1639	CLA	C4-C3-C5	2.22	118.52	115.98
14	L4	203	CLA	O2A-CGA-O1A	-2.22	117.98	123.59
14	B4	828	CLA	C4C-C3C-C2C	-2.22	103.66	106.90
16	B1	846	BCR	C19-C18-C17	-2.22	115.53	118.94
14	A5	805	CLA	C3B-C4B-NB	2.22	112.08	109.21
14	B2	818	CLA	C3D-C4D-ND	2.22	113.83	110.24
14	B6	831	CLA	C2D-C1D-ND	2.22	111.74	110.10
14	A2	1637	CLA	CMB-C2B-C3B	2.22	128.83	124.68
14	B4	824	CLA	CHD-C4C-C3C	-2.22	121.58	124.84
14	A2	1602	CLA	C1C-C2C-C3C	-2.22	104.62	106.96
14	B6	820	CLA	C3C-C4C-NC	2.22	113.06	110.57
14	A1	814	CLA	O2A-CGA-CBA	2.22	121.17	114.03
14	A1	832	CLA	O2A-CGA-O1A	-2.22	117.99	123.59
14	A5	824	CLA	C3D-C4D-ND	2.22	113.83	110.24
14	B3	1814	CLA	CHD-C4C-C3C	-2.22	121.58	124.84
14	B1	829	CLA	C4-C3-C5	-2.22	111.54	115.27
14	B1	808	CLA	C3C-C4C-NC	2.22	113.06	110.57
14	A5	820	CLA	C2D-C1D-ND	2.22	111.74	110.10
17	A2	1654	LHG	O2-C2-C3	2.22	117.34	109.56
14	B5	1824	CLA	C1-O2A-CGA	2.22	122.27	116.44
14	A2	1610	CLA	CBC-CAC-C3C	-2.22	106.31	112.43
14	B5	1808	CLA	C3B-C4B-NB	2.22	112.08	109.21
14	A3	841	CLA	C4-C3-C5	2.22	118.52	115.98
16	L1	203	BCR	C30-C25-C26	-2.22	119.49	122.61
16	B5	1847	BCR	C30-C25-C26	-2.22	119.49	122.61
14	F5	1301	CLA	CAC-C3C-C4C	2.22	127.69	124.81
14	A3	845	CLA	CMC-C2C-C1C	2.22	128.42	125.04
14	B2	807	CLA	CHD-C1D-ND	-2.22	122.42	124.45
14	B5	1820	CLA	C3C-C4C-NC	2.22	113.06	110.57
16	A5	846	BCR	C30-C25-C26	-2.22	119.49	122.61
16	I4	102	BCR	C38-C26-C25	2.22	127.02	124.53
14	B3	1842	CLA	C4C-C3C-C2C	-2.22	103.66	106.90
14	B6	834	CLA	CAC-C3C-C4C	2.22	127.69	124.81
14	B2	811	CLA	C3D-C2D-C1D	-2.22	102.80	105.83
14	B3	1818	CLA	CED-O2D-CGD	2.22	120.95	115.94
14	A2	1623	CLA	O2A-CGA-CBA	2.22	118.87	111.91
16	I1	103	BCR	C24-C25-C26	-2.22	116.09	121.46
14	A6	1629	CLA	C3D-C2D-C1D	-2.22	102.81	105.83
14	B6	824	CLA	C3D-C2D-C1D	-2.22	102.81	105.83
14	X5	101	CLA	C3D-C2D-C1D	-2.22	102.81	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B6	837	CLA	C2D-C1D-ND	2.22	111.74	110.10
14	B4	803	CLA	CHB-C4A-NA	2.22	127.58	124.51
14	J6	1102	CLA	O2A-CGA-CBA	2.22	121.15	114.03
14	A2	1633	CLA	C3C-C4C-NC	2.22	113.06	110.57
14	A3	829	CLA	C3D-C2D-C1D	-2.22	102.81	105.83
14	A6	1623	CLA	C3D-C2D-C1D	-2.22	102.81	105.83
14	B6	814	CLA	C3D-C2D-C1D	-2.22	102.81	105.83
14	B1	841	CLA	CHD-C1D-ND	-2.22	122.42	124.45
14	A4	837	CLA	C3D-C4D-ND	2.22	113.82	110.24
16	M1	1202	BCR	C33-C5-C4	-2.22	109.36	113.62
14	B6	817	CLA	C3D-C2D-C1D	-2.22	102.81	105.83
14	A1	803	CLA	CAC-C3C-C4C	2.22	127.69	124.81
14	A3	818	CLA	CAC-C3C-C4C	2.22	127.69	124.81
14	B5	1837	CLA	O2A-CGA-CBA	2.22	121.15	114.03
14	B3	1806	CLA	CMC-C2C-C1C	2.22	128.41	125.04
14	A4	803	CLA	CMC-C2C-C1C	2.22	128.41	125.04
14	A2	1630	CLA	C1C-C2C-C3C	-2.22	104.63	106.96
14	B3	1811	CLA	CHD-C1D-ND	-2.22	122.42	124.45
16	A1	847	BCR	C33-C5-C4	-2.22	109.36	113.62
16	M3	1602	BCR	C33-C5-C4	-2.22	109.36	113.62
14	B1	828	CLA	CED-O2D-CGD	2.22	120.95	115.94
14	A4	828	CLA	CMD-C2D-C1D	2.22	128.62	124.71
14	A6	1614	CLA	CHD-C4C-C3C	-2.22	121.58	124.84
14	A6	1632	CLA	CHD-C4C-C3C	-2.22	121.58	124.84
14	B3	1841	CLA	O2A-CGA-O1A	-2.21	118.00	123.59
14	A2	1617	CLA	O2A-CGA-CBA	2.21	121.15	114.03
14	B5	1833	CLA	CMB-C2B-C3B	2.21	128.82	124.68
16	J4	103	BCR	C33-C5-C6	2.21	127.02	124.53
14	B1	812	CLA	O2A-CGA-O1A	-2.21	117.78	123.30
14	A4	824	CLA	CED-O2D-CGD	2.21	120.95	115.94
14	A2	1642	CLA	O2A-CGA-O1A	-2.21	118.00	123.59
14	A2	1615	CLA	C3D-C2D-C1D	-2.21	102.81	105.83
14	B3	1831	CLA	C3D-C2D-C1D	-2.21	102.81	105.83
16	F4	203	BCR	C33-C5-C4	-2.21	109.36	113.62
14	B3	1819	CLA	CHB-C4A-NA	2.21	127.57	124.51
14	A4	832	CLA	CMB-C2B-C3B	2.21	128.82	124.68
16	B3	1846	BCR	C36-C18-C19	2.21	121.56	118.08
14	A4	802	CLA	C3D-C2D-C1D	-2.21	102.81	105.83
14	A3	813	CLA	O1D-CGD-CBD	-2.21	119.95	124.48
14	X4	102	CLA	CHD-C1D-ND	-2.21	122.42	124.45
14	A6	1620	CLA	CHD-C1D-ND	-2.21	122.42	124.45
14	A5	815	CLA	CHD-C1D-ND	-2.21	122.42	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B4	841	CLA	O2D-CGD-O1D	-2.21	119.51	123.84
14	B1	823	CLA	CHD-C4C-C3C	-2.21	121.59	124.84
14	B6	820	CLA	CHD-C4C-C3C	-2.21	121.59	124.84
14	F4	202	CLA	C3D-C2D-C1D	-2.21	102.81	105.83
14	A5	803	CLA	CMC-C2C-C1C	2.21	128.41	125.04
14	J3	102	CLA	CAC-C3C-C4C	2.21	127.68	124.81
14	B6	826	CLA	CAC-C3C-C4C	2.21	127.68	124.81
14	B5	1809	CLA	CAC-C3C-C4C	2.21	127.68	124.81
16	B6	845	BCR	C40-C30-C25	2.21	113.89	110.30
15	A3	846	PQN	C2M-C2-C3	-2.21	120.79	124.40
14	B4	818	CLA	O2A-CGA-O1A	-2.21	118.01	123.59
14	B6	802	CLA	CMC-C2C-C1C	2.21	128.41	125.04
14	J6	1101	CLA	C3D-C2D-C1D	-2.21	102.81	105.83
14	X5	101	CLA	O2A-CGA-CBA	2.21	121.14	114.03
14	A1	807	CLA	CBC-CAC-C3C	-2.21	106.33	112.43
16	J5	103	BCR	C35-C13-C12	2.21	121.56	118.08
14	A4	823	CLA	C2D-C1D-ND	2.21	111.73	110.10
14	A2	1618	CLA	CMB-C2B-C3B	2.21	128.82	124.68
14	A1	806	CLA	CMC-C2C-C1C	2.21	128.41	125.04
14	A5	807	CLA	C3D-C4D-ND	2.21	113.81	110.24
14	A4	804	CLA	C3D-C2D-C1D	-2.21	102.81	105.83
14	B1	814	CLA	O1D-CGD-CBD	-2.21	119.96	124.48
14	A6	1626	CLA	C3B-C4B-NB	2.21	112.07	109.21
14	B1	807	CLA	CHB-C4A-NA	2.21	127.57	124.51
14	A3	812	CLA	C3C-C4C-NC	2.21	113.05	110.57
16	M5	101	BCR	C33-C5-C4	-2.21	109.37	113.62
14	B5	1821	CLA	CAC-C3C-C4C	2.21	127.68	124.81
16	B2	843	BCR	C33-C5-C6	2.21	127.01	124.53
14	A1	838	CLA	CMB-C2B-C3B	2.21	128.81	124.68
14	A5	813	CLA	CHD-C1D-ND	-2.21	122.42	124.45
14	A6	1633	CLA	CED-O2D-CGD	2.21	120.94	115.94
14	A1	824	CLA	CMC-C2C-C1C	2.21	128.41	125.04
14	A6	1606	CLA	C3D-C2D-C1D	-2.21	102.81	105.83
16	A5	845	BCR	C38-C26-C27	-2.21	109.37	113.62
14	K1	1401	CLA	O2D-CGD-O1D	-2.21	119.52	123.84
14	B5	1817	CLA	CHD-C1D-ND	-2.21	122.42	124.45
14	B3	1819	CLA	C3D-C2D-C1D	-2.21	102.81	105.83
14	A5	808	CLA	O1D-CGD-CBD	-2.21	119.96	124.48
14	L6	203	CLA	CHB-C4A-NA	2.21	127.57	124.51
14	B1	801	CLA	CBC-CAC-C3C	-2.21	106.34	112.43
16	L1	209	BCR	C33-C5-C4	-2.21	109.37	113.62
16	A3	847	BCR	C33-C5-C4	-2.21	109.37	113.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B6	815	CLA	C3D-C4D-ND	2.21	113.81	110.24
14	X1	1701	CLA	CMC-C2C-C1C	2.21	128.40	125.04
14	B2	811	CLA	C3C-C4C-NC	2.21	113.05	110.57
16	L4	206	BCR	C38-C26-C25	2.21	127.01	124.53
14	B2	816	CLA	C3D-C2D-C1D	-2.21	102.82	105.83
14	A5	837	CLA	C3D-C2D-C1D	-2.21	102.82	105.83
14	A5	819	CLA	C3B-C4B-NB	2.21	112.07	109.21
14	B3	1835	CLA	C3D-C4D-ND	2.21	113.81	110.24
14	B4	812	CLA	CHD-C4C-C3C	-2.21	121.59	124.84
14	A6	1635	CLA	CMB-C2B-C3B	2.21	128.81	124.68
14	B2	808	CLA	CHD-C1D-ND	-2.21	122.42	124.45
14	B6	817	CLA	CAC-C3C-C4C	2.21	127.68	124.81
14	J2	101	CLA	CED-O2D-CGD	2.21	120.93	115.94
16	F6	201	BCR	C35-C13-C12	2.21	121.56	118.08
14	A2	1633	CLA	C3D-C4D-ND	2.21	113.81	110.24
16	A2	1648	BCR	C30-C25-C26	-2.21	119.50	122.61
16	A5	849	BCR	C1-C6-C5	-2.21	119.50	122.61
14	F2	202	CLA	CHD-C4C-C3C	-2.21	121.59	124.84
14	B4	830	CLA	CHD-C4C-C3C	-2.21	121.59	124.84
16	L6	201	BCR	C33-C5-C4	-2.21	109.37	113.62
14	A5	830	CLA	O2A-CGA-CBA	2.21	118.84	111.91
14	A3	802	CLA	CED-O2D-CGD	2.21	120.93	115.94
14	A1	830	CLA	C3C-C4C-NC	2.21	113.05	110.57
14	A3	811	CLA	CMC-C2C-C1C	2.21	128.40	125.04
16	M2	1202	BCR	C33-C5-C6	2.21	127.01	124.53
14	B3	1832	CLA	O2A-CGA-CBA	2.21	121.12	114.03
14	B3	1818	CLA	O2A-CGA-O1A	-2.21	118.02	123.59
14	A6	1614	CLA	C2D-C1D-ND	2.21	111.73	110.10
14	A5	828	CLA	C2D-C1D-ND	2.21	111.73	110.10
14	A3	812	CLA	C3D-C2D-C1D	-2.21	102.82	105.83
14	A4	801	CLA	CHB-C4A-NA	2.21	127.56	124.51
14	B5	1805	CLA	CHB-C4A-NA	2.21	127.56	124.51
14	A1	833	CLA	CMC-C2C-C1C	2.21	128.40	125.04
14	A1	815	CLA	CMB-C2B-C3B	2.21	128.81	124.68
14	B2	816	CLA	CMB-C2B-C3B	2.21	128.81	124.68
14	K3	1401	CLA	CHD-C4C-C3C	-2.21	121.60	124.84
14	A5	838	CLA	CHD-C4C-C3C	-2.21	121.60	124.84
14	B5	1824	CLA	CHD-C4C-C3C	-2.21	121.60	124.84
16	I5	102	BCR	C30-C25-C26	-2.21	119.51	122.61
16	I1	103	BCR	C38-C26-C27	-2.21	109.38	113.62
14	B4	805	CLA	C12-C11-C10	-2.21	103.10	113.24
16	B6	847	BCR	C15-C16-C17	-2.21	118.95	123.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B6	836	CLA	CED-O2D-CGD	2.21	120.93	115.94
14	A5	822	CLA	CED-O2D-CGD	2.21	120.93	115.94
14	A4	801	CLA	C3D-C2D-C1D	-2.21	102.82	105.83
14	A5	842	CLA	CHB-C4A-NA	2.21	127.56	124.51
14	B3	1836	CLA	CHD-C4C-C3C	-2.21	121.60	124.84
16	B5	1847	BCR	C34-C9-C8	2.21	121.55	118.08
14	B2	832	CLA	CED-O2D-CGD	2.21	120.92	115.94
14	B4	803	CLA	CMC-C2C-C1C	2.21	128.40	125.04
14	B3	1824	CLA	C3D-C2D-C1D	-2.20	102.82	105.83
16	B2	850	BCR	C37-C22-C23	2.20	121.55	118.08
14	A3	845	CLA	CMB-C2B-C3B	2.20	128.80	124.68
14	B4	804	CLA	CMB-C2B-C3B	2.20	128.80	124.68
14	B4	806	CLA	CMC-C2C-C1C	2.20	128.40	125.04
14	A3	844	CLA	CAC-C3C-C4C	2.20	127.67	124.81
14	B3	1829	CLA	O2A-CGA-O1A	-2.20	118.03	123.59
14	A1	829	CLA	C3D-C2D-C1D	-2.20	102.82	105.83
14	B1	811	CLA	C3D-C2D-C1D	-2.20	102.82	105.83
14	A5	818	CLA	C3D-C2D-C1D	-2.20	102.82	105.83
14	B2	824	CLA	CHB-C4A-NA	2.20	127.56	124.51
16	B4	847	BCR	C30-C25-C26	-2.20	119.51	122.61
14	A2	1641	CLA	C3D-C4D-ND	2.20	113.80	110.24
14	B5	1839	CLA	C2D-C1D-ND	2.20	111.73	110.10
14	B1	824	CLA	O2A-CGA-CBA	2.20	121.11	114.03
14	A4	815	CLA	CMB-C2B-C3B	2.20	128.80	124.68
14	A4	836	CLA	C3D-C4D-ND	2.20	113.80	110.24
14	A2	1616	CLA	C3D-C2D-C1D	-2.20	102.82	105.83
14	A5	802	CLA	CBC-CAC-C3C	-2.20	106.36	112.43
14	A1	822	CLA	CMB-C2B-C3B	2.20	128.80	124.68
14	B3	1828	CLA	C4C-C3C-C2C	-2.20	103.69	106.90
16	A1	842	BCR	C38-C26-C27	-2.20	109.38	113.62
14	L3	204	CLA	C3B-C4B-NB	2.20	112.06	109.21
14	B4	822	CLA	CHD-C4C-C3C	-2.20	121.60	124.84
14	B6	824	CLA	CHD-C4C-C3C	-2.20	121.60	124.84
14	B6	822	CLA	C3D-C4D-ND	2.20	113.80	110.24
14	A3	815	CLA	O2A-CGA-CBA	2.20	121.11	114.03
14	A3	812	CLA	CAC-C3C-C4C	2.20	127.67	124.81
16	J1	104	BCR	C19-C18-C17	-2.20	115.56	118.94
14	A2	1617	CLA	CED-O2D-CGD	2.20	120.92	115.94
14	B4	812	CLA	CAA-C2A-C1A	2.20	119.19	111.97
14	A5	841	CLA	CED-O2D-CGD	2.20	120.92	115.94
14	B2	808	CLA	C1C-C2C-C3C	-2.20	104.64	106.96
14	A1	827	CLA	C4A-NA-C1A	2.20	107.70	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	A3	850	BCR	C1-C6-C5	-2.20	119.51	122.61
14	A2	1634	CLA	C3D-C2D-C1D	-2.20	102.83	105.83
14	B5	1812	CLA	CHD-C4C-C3C	-2.20	121.60	124.84
16	B1	843	BCR	C33-C5-C4	-2.20	109.39	113.62
14	B4	827	CLA	C3B-C4B-NB	2.20	112.06	109.21
14	A6	1637	CLA	CAC-C3C-C4C	2.20	127.67	124.81
14	L6	207	CLA	CAC-C3C-C4C	2.20	127.67	124.81
14	A3	840	CLA	C3D-C4D-ND	2.20	113.80	110.24
14	A2	1622	CLA	C2D-C1D-ND	2.20	111.73	110.10
14	B3	1841	CLA	CMB-C2B-C3B	2.20	128.80	124.68
16	A2	1647	BCR	C33-C5-C4	-2.20	109.39	113.62
16	B1	845	BCR	C30-C25-C26	-2.20	119.51	122.61
16	L6	204	BCR	C30-C25-C26	-2.20	119.51	122.61
14	K1	1401	CLA	O2A-CGA-CBA	2.20	121.10	114.03
14	A6	1637	CLA	CED-O2D-CGD	2.20	120.91	115.94
14	A6	1630	CLA	C3D-C4D-ND	2.20	113.80	110.24
14	A6	1621	CLA	CHD-C1D-ND	-2.20	122.43	124.45
14	B1	801	CLA	CHD-C4C-C3C	-2.20	121.61	124.84
14	B4	813	CLA	O2A-CGA-CBA	2.20	121.10	114.03
14	K4	1401	CLA	O2A-CGA-CBA	2.20	121.10	114.03
14	B6	834	CLA	O2D-CGD-O1D	-2.20	119.54	123.84
14	B4	809	CLA	C3D-C2D-C1D	-2.20	102.83	105.83
14	B3	1831	CLA	CMC-C2C-C1C	2.20	128.39	125.04
14	B4	822	CLA	C3C-C4C-NC	2.20	113.04	110.57
14	A2	1608	CLA	CMB-C2B-C1B	-2.20	125.08	128.46
14	B2	834	CLA	C2D-C1D-ND	2.20	111.72	110.10
14	A4	831	CLA	C2D-C1D-ND	2.20	111.72	110.10
14	A3	842	CLA	C4C-C3C-C2C	-2.20	103.69	106.90
14	B6	840	CLA	C4C-C3C-C2C	-2.20	103.69	106.90
16	M5	101	BCR	C33-C5-C6	2.20	127.00	124.53
14	B5	1805	CLA	C12-C11-C10	-2.20	103.13	113.24
14	B3	1830	CLA	C5-C3-C2	2.20	125.57	121.12
14	A4	837	CLA	CHD-C4C-C3C	-2.20	121.61	124.84
14	B4	824	CLA	C3D-C2D-C1D	-2.20	102.83	105.83
14	A6	1615	CLA	C3D-C2D-C1D	-2.20	102.83	105.83
14	B3	1809	CLA	C3C-C4C-NC	2.20	113.04	110.57
14	A4	830	CLA	C3C-C4C-NC	2.20	113.04	110.57
16	M6	1202	BCR	C33-C5-C6	2.20	127.00	124.53
14	A3	803	CLA	CMC-C2C-C1C	2.20	128.39	125.04
14	F2	202	CLA	C3D-C2D-C1D	-2.20	102.83	105.83
14	A3	830	CLA	C3D-C2D-C1D	-2.20	102.83	105.83
14	B5	1816	CLA	CED-O2D-CGD	2.20	120.91	115.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B2	831	CLA	C12-C11-C10	-2.20	103.14	113.24
14	A6	1621	CLA	C3D-C4D-ND	2.20	113.79	110.24
14	B5	1809	CLA	O2D-CGD-O1D	-2.20	119.54	123.84
14	B4	815	CLA	CED-O2D-CGD	2.20	120.91	115.94
14	B4	827	CLA	CHB-C4A-NA	2.20	127.55	124.51
14	B5	1832	CLA	C3D-C2D-C1D	-2.20	102.83	105.83
14	A2	1637	CLA	O2A-CGA-O1A	-2.20	117.82	123.30
14	A1	805	CLA	C1D-ND-C4D	-2.20	104.77	106.33
14	A2	1606	CLA	CAC-C3C-C4C	2.20	127.66	124.81
14	B5	1824	CLA	CAC-C3C-C4C	2.20	127.66	124.81
14	B3	1834	CLA	C3D-C4D-ND	2.20	113.79	110.24
16	B5	1846	BCR	C36-C18-C19	2.20	121.54	118.08
14	B2	838	CLA	O2A-CGA-O1A	-2.20	118.05	123.59
14	A6	1628	CLA	O2A-CGA-O1A	-2.20	118.05	123.59
17	A1	849	LHG	O2-C2-C3	2.20	117.26	109.56
14	A3	838	CLA	C3D-C2D-C1D	-2.20	102.83	105.83
14	A1	826	CLA	O2A-CGA-O1A	-2.20	118.05	123.59
16	A1	844	BCR	C40-C30-C25	2.20	113.86	110.30
14	A2	1603	CLA	O2A-CGA-CBA	2.20	118.80	111.91
14	K2	1401	CLA	O2A-CGA-CBA	2.20	121.09	114.03
14	B4	801	CLA	CBC-CAC-C3C	-2.20	106.38	112.43
14	A4	841	CLA	CHB-C4A-NA	2.20	127.55	124.51
14	B2	812	CLA	C3B-C4B-NB	2.20	112.05	109.21
14	A1	803	CLA	O2A-CGA-O1A	-2.20	118.05	123.59
14	A2	1629	CLA	CMC-C2C-C1C	2.20	128.38	125.04
14	B4	842	CLA	C4C-C3C-C2C	-2.20	103.70	106.90
14	A2	1630	CLA	O2A-CGA-O1A	-2.20	118.05	123.59
14	A4	810	CLA	C3D-C4D-ND	2.20	113.79	110.24
14	B3	1842	CLA	O2A-CGA-CBA	2.20	118.80	111.91
14	B2	806	CLA	C3C-C4C-NC	2.20	113.03	110.57
14	A6	1651	CLA	CBC-CAC-C3C	-2.20	106.38	112.43
14	A6	1624	CLA	O2A-CGA-O1A	-2.20	118.05	123.59
14	L3	202	CLA	O2A-CGA-O1A	-2.20	117.83	123.30
14	B4	817	CLA	O1D-CGD-CBD	-2.19	119.99	124.48
16	J3	104	BCR	C19-C18-C17	-2.19	115.57	118.94
14	B4	806	CLA	O2D-CGD-O1D	-2.19	119.55	123.84
14	B3	1820	CLA	CED-O2D-CGD	2.19	120.90	115.94
14	B2	803	CLA	C3D-C2D-C1D	-2.19	102.84	105.83
14	K2	1401	CLA	CAC-C3C-C4C	2.19	127.66	124.81
14	B2	812	CLA	CHD-C4C-C3C	-2.19	121.61	124.84
14	B2	836	CLA	C3D-C2D-C1D	-2.19	102.84	105.83
14	A1	834	CLA	CMC-C2C-C1C	2.19	128.38	125.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B3	1803	CLA	CMC-C2C-C1C	2.19	128.38	125.04
14	B6	814	CLA	CED-O2D-CGD	2.19	120.90	115.94
14	B1	805	CLA	CHD-C1D-ND	-2.19	122.44	124.45
14	A5	824	CLA	CHD-C1D-ND	-2.19	122.44	124.45
16	M6	1202	BCR	C7-C6-C5	-2.19	116.15	121.46
14	B1	821	CLA	O2D-CGD-O1D	-2.19	119.55	123.84
14	B6	833	CLA	C3D-C4D-ND	2.19	113.79	110.24
14	B3	1829	CLA	CMB-C2B-C3B	2.19	128.78	124.68
16	B2	844	BCR	C30-C25-C26	-2.19	119.52	122.61
14	K4	1401	CLA	C3D-C4D-ND	2.19	113.78	110.24
16	B2	846	BCR	C19-C18-C17	-2.19	115.58	118.94
14	A2	1640	CLA	CHD-C4C-C3C	-2.19	121.62	124.84
14	L3	202	CLA	O2D-CGD-O1D	-2.19	119.55	123.84
14	B6	831	CLA	O2D-CGD-O1D	-2.19	119.55	123.84
14	B4	840	CLA	C3C-C4C-NC	2.19	113.03	110.57
14	A3	834	CLA	CMC-C2C-C1C	2.19	128.38	125.04
14	A2	1601	CLA	C3D-C2D-C1D	-2.19	102.84	105.83
16	A2	1652	BCR	C33-C5-C4	-2.19	109.41	113.62
14	A4	813	CLA	CHD-C4C-C3C	-2.19	121.62	124.84
14	B5	1815	CLA	O1D-CGD-CBD	-2.19	120.00	124.48
14	M3	1601	CLA	CMC-C2C-C1C	2.19	128.38	125.04
14	B1	809	CLA	C3C-C4C-NC	2.19	113.03	110.57
14	F4	202	CLA	O2A-CGA-CBA	2.19	121.07	114.03
14	B1	819	CLA	C2D-C1D-ND	2.19	111.72	110.10
14	B3	1815	CLA	C2D-C1D-ND	2.19	111.72	110.10
16	L6	201	BCR	C1-C6-C5	-2.19	119.53	122.61
14	B5	1829	CLA	CMB-C2B-C3B	2.19	128.78	124.68
14	A2	1633	CLA	CHD-C4C-C3C	-2.19	121.62	124.84
14	B3	1826	CLA	CHD-C4C-C3C	-2.19	121.62	124.84
14	A1	830	CLA	O2A-CGA-O1A	-2.19	118.06	123.59
14	A2	1630	CLA	C4A-NA-C1A	2.19	107.69	106.71
14	B4	818	CLA	CMB-C2B-C3B	2.19	128.78	124.68
14	A5	802	CLA	CMB-C2B-C3B	2.19	128.78	124.68
14	J6	1101	CLA	CHD-C4C-C3C	-2.19	121.62	124.84
14	B6	813	CLA	C3B-C4B-NB	2.19	112.04	109.21
14	A6	1627	CLA	O1D-CGD-CBD	-2.19	120.00	124.48
14	J4	102	CLA	CAC-C3C-C4C	2.19	127.65	124.81
14	A4	841	CLA	CED-O2D-CGD	2.19	120.89	115.94
14	A4	812	CLA	C2D-C1D-ND	2.19	111.72	110.10
14	A4	830	CLA	CHD-C4C-C3C	-2.19	121.62	124.84
14	A4	811	CLA	C3C-C4C-NC	2.19	113.03	110.57
14	B3	1810	CLA	C3D-C4D-ND	2.19	113.78	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A1	821	CLA	CED-O2D-CGD	2.19	120.89	115.94
14	B6	827	CLA	CMB-C2B-C3B	2.19	128.78	124.68
14	X4	102	CLA	C3D-C2D-C1D	-2.19	102.84	105.83
14	A3	831	CLA	O1D-CGD-CBD	-2.19	120.00	124.48
14	B4	842	CLA	CHD-C1D-ND	-2.19	122.44	124.45
14	L5	202	CLA	CMC-C2C-C1C	2.19	128.37	125.04
14	A2	1636	CLA	CMB-C2B-C3B	2.19	128.77	124.68
14	A2	1622	CLA	C3C-C4C-NC	2.19	113.03	110.57
14	B6	834	CLA	C3C-C4C-NC	2.19	113.03	110.57
16	I6	102	BCR	C37-C22-C23	2.19	121.53	118.08
16	B5	1846	BCR	C37-C22-C23	2.19	121.53	118.08
14	B4	812	CLA	CAC-C3C-C4C	2.19	127.65	124.81
14	B3	1828	CLA	C2D-C1D-ND	2.19	111.72	110.10
14	B1	832	CLA	CMB-C2B-C3B	2.19	128.77	124.68
14	A2	1635	CLA	CMB-C2B-C3B	2.19	128.77	124.68
14	A5	815	CLA	C3B-C4B-NB	2.19	112.04	109.21
14	A6	1612	CLA	C3C-C4C-NC	2.19	113.03	110.57
14	B5	1831	CLA	C3D-C4D-ND	2.19	113.78	110.24
14	A3	808	CLA	O1D-CGD-CBD	-2.19	120.01	124.48
14	B5	1822	CLA	O1D-CGD-CBD	-2.19	120.01	124.48
14	A6	1615	CLA	CHD-C4C-C3C	-2.19	121.62	124.84
14	B1	833	CLA	C12-C11-C10	-2.19	103.19	113.24
14	A6	1651	CLA	O2A-CGA-O1A	-2.19	118.07	123.59
14	A5	831	CLA	C3D-C4D-ND	2.19	113.78	110.24
14	J6	1103	CLA	C3D-C2D-C1D	-2.19	102.85	105.83
14	J5	102	CLA	C3D-C2D-C1D	-2.19	102.85	105.83
14	B6	811	CLA	C3D-C4D-ND	2.19	113.78	110.24
14	B3	1838	CLA	CAC-C3C-C4C	2.19	127.65	124.81
14	B4	834	CLA	C12-C11-C10	-2.19	103.19	113.24
16	J6	1104	BCR	C1-C6-C5	-2.19	119.53	122.61
14	B2	815	CLA	CED-O2D-CGD	2.19	120.88	115.94
14	B4	811	CLA	CED-O2D-CGD	2.19	120.88	115.94
14	A1	801	CLA	CGD-CBD-CAD	2.19	117.81	110.73
14	A5	820	CLA	C1D-ND-C4D	-2.19	104.78	106.33
14	A4	811	CLA	CHD-C1D-ND	-2.19	122.44	124.45
14	B5	1803	CLA	CHB-C4A-NA	2.19	127.53	124.51
14	B5	1837	CLA	C2D-C1D-ND	2.19	111.72	110.10
14	A3	833	CLA	C1C-C2C-C3C	-2.19	104.66	106.96
14	B5	1824	CLA	C3D-C2D-C1D	-2.19	102.85	105.83
14	B5	1818	CLA	CED-O2D-CGD	2.19	120.88	115.94
14	J4	101	CLA	CAC-C3C-C4C	2.19	127.65	124.81
14	B4	819	CLA	CMB-C2B-C3B	2.19	128.77	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B5	1806	CLA	O2A-CGA-O1A	-2.19	118.08	123.59
14	A2	1603	CLA	C3D-C2D-C1D	-2.19	102.85	105.83
14	A4	811	CLA	CAC-C3C-C4C	2.18	127.64	124.81
14	B1	828	CLA	O2A-CGA-O1A	-2.18	118.08	123.59
14	A5	811	CLA	CMC-C2C-C1C	2.18	128.37	125.04
14	J4	101	CLA	CHD-C4C-C3C	-2.18	121.63	124.84
14	B6	828	CLA	CHD-C4C-C3C	-2.18	121.63	124.84
14	B4	839	CLA	C3D-C2D-C1D	-2.18	102.85	105.83
14	F2	204	CLA	CAC-C3C-C4C	2.18	127.64	124.81
14	A4	836	CLA	CAC-C3C-C4C	2.18	127.64	124.81
14	B3	1826	CLA	CMC-C2C-C1C	2.18	128.37	125.04
14	B6	810	CLA	CMC-C2C-C1C	2.18	128.37	125.04
14	A5	843	CLA	CMC-C2C-C1C	2.18	128.37	125.04
14	B1	806	CLA	C12-C11-C10	-2.18	103.20	113.24
14	B4	819	CLA	CHD-C4C-C3C	-2.18	121.63	124.84
14	A5	830	CLA	O1D-CGD-CBD	-2.18	120.02	124.48
14	B4	816	CLA	CED-O2D-CGD	2.18	120.88	115.94
16	A2	1652	BCR	C24-C25-C26	-2.18	116.17	121.46
14	A1	822	CLA	C2D-C1D-ND	2.18	111.71	110.10
14	B2	819	CLA	C1D-ND-C4D	-2.18	104.78	106.33
14	B1	841	CLA	C4C-C3C-C2C	-2.18	103.72	106.90
14	B5	1818	CLA	C3D-C2D-C1D	-2.18	102.85	105.83
14	A6	1632	CLA	CBC-CAC-C3C	-2.18	106.41	112.43
14	B3	1838	CLA	CHD-C1D-ND	-2.18	122.45	124.45
14	F1	1301	CLA	CED-O2D-CGD	2.18	120.87	115.94
14	B2	834	CLA	CMC-C2C-C1C	2.18	128.36	125.04
14	A3	807	CLA	CMC-C2C-C1C	2.18	128.36	125.04
14	B4	821	CLA	CAC-C3C-C4C	2.18	127.64	124.81
14	A3	802	CLA	CHD-C4C-C3C	-2.18	121.63	124.84
14	A6	1631	CLA	CHD-C4C-C3C	-2.18	121.63	124.84
14	B6	817	CLA	C3D-C4D-ND	2.18	113.77	110.24
15	B2	841	PQN	C17-C16-C15	-2.18	107.43	113.36
14	F3	202	CLA	O2A-CGA-O1A	-2.18	117.86	123.30
14	A2	1613	CLA	CMC-C2C-C1C	2.18	128.36	125.04
14	A4	826	CLA	CMC-C2C-C1C	2.18	128.36	125.04
16	I4	101	BCR	C34-C9-C8	2.18	121.52	118.08
14	B1	833	CLA	O2D-CGD-O1D	-2.18	119.57	123.84
14	B5	1830	CLA	CED-O2D-CGD	2.18	120.87	115.94
14	B4	840	CLA	CHD-C4C-C3C	-2.18	121.63	124.84
14	A6	1612	CLA	CHD-C4C-C3C	-2.18	121.63	124.84
16	A3	850	BCR	C38-C26-C25	2.18	126.98	124.53
14	A4	807	CLA	CBC-CAC-C3C	-2.18	106.42	112.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A1	801	CLA	C3D-C2D-C1D	-2.18	102.85	105.83
14	A5	840	CLA	C4-C3-C5	2.18	118.48	115.98
14	B4	841	CLA	CED-O2D-CGD	2.18	120.87	115.94
14	B5	1827	CLA	C3B-C4B-NB	2.18	112.03	109.21
14	A3	827	CLA	CAC-C3C-C4C	2.18	127.64	124.81
16	A6	1643	BCR	C38-C26-C27	-2.18	109.43	113.62
14	A2	1645	CLA	O2A-CGA-O1A	-2.18	117.86	123.30
14	A6	1640	CLA	C1-O2A-CGA	2.18	122.17	116.44
16	A3	852	BCR	C24-C25-C26	-2.18	116.18	121.46
14	A5	809	CLA	CMC-C2C-C1C	2.18	128.36	125.04
14	A5	823	CLA	CMB-C2B-C3B	2.18	128.76	124.68
14	A4	826	CLA	C1D-ND-C4D	-2.18	104.79	106.33
14	A2	1644	CLA	C1C-C2C-C3C	-2.18	104.66	106.96
14	B6	809	CLA	C7-C6-C5	-2.18	107.44	113.36
14	B2	833	CLA	O2D-CGD-O1D	-2.18	119.58	123.84
14	A2	1605	CLA	CHD-C4C-C3C	-2.18	121.64	124.84
14	B6	813	CLA	CHD-C4C-C3C	-2.18	121.64	124.84
14	B6	829	CLA	CAC-C3C-C4C	2.18	127.64	124.81
14	A1	838	CLA	CHD-C1D-ND	-2.18	122.45	124.45
14	B4	837	CLA	CHD-C1D-ND	-2.18	122.45	124.45
16	A4	846	BCR	C38-C26-C27	-2.18	109.43	113.62
14	B2	815	CLA	C3D-C4D-ND	2.18	113.76	110.24
14	K6	1401	CLA	C3D-C4D-ND	2.18	113.76	110.24
16	B6	850	BCR	C30-C25-C26	-2.18	119.54	122.61
14	A3	822	CLA	CED-O2D-CGD	2.18	120.87	115.94
14	B3	1812	CLA	CAA-C2A-C1A	2.18	119.12	111.97
14	A6	1609	CLA	O2A-CGA-O1A	-2.18	118.09	123.59
14	A4	842	CLA	CAC-C3C-C4C	2.18	127.64	124.81
14	A5	838	CLA	CED-O2D-CGD	2.18	120.86	115.94
14	B4	840	CLA	C3D-C4D-ND	2.18	113.76	110.24
16	J1	104	BCR	C12-C13-C14	-2.18	115.60	118.94
14	B5	1841	CLA	O2A-CGA-O1A	-2.18	118.09	123.59
14	F2	204	CLA	CHD-C4C-C3C	-2.18	121.64	124.84
14	A6	1624	CLA	CHD-C4C-C3C	-2.18	121.64	124.84
14	B5	1803	CLA	CHD-C4C-C3C	-2.18	121.64	124.84
14	B4	833	CLA	CED-O2D-CGD	2.18	120.86	115.94
14	A6	1611	CLA	C3D-C4D-ND	2.18	113.76	110.24
14	L3	204	CLA	O2A-CGA-O1A	-2.18	118.09	123.59
14	A5	841	CLA	CAC-C3C-C4C	2.18	127.64	124.81
14	B1	841	CLA	CMB-C2B-C3B	2.18	128.75	124.68
14	J2	101	CLA	CHD-C4C-C3C	-2.18	121.64	124.84
14	A6	1615	CLA	O2A-CGA-CBA	2.18	121.03	114.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	B5	1847	BCR	C40-C30-C25	2.18	113.83	110.30
14	B2	830	CLA	CMB-C2B-C3B	2.18	128.75	124.68
14	B5	1817	CLA	CMB-C2B-C3B	2.18	128.75	124.68
14	B1	807	CLA	CHD-C1D-ND	-2.18	122.45	124.45
14	A4	840	CLA	CHD-C1D-ND	-2.18	122.45	124.45
14	L5	206	CLA	O2D-CGD-O1D	-2.18	119.58	123.84
14	B4	829	CLA	O1D-CGD-CBD	-2.18	120.03	124.48
14	B1	818	CLA	CAC-C3C-C4C	2.18	127.64	124.81
14	A2	1608	CLA	C3D-C2D-C1D	-2.18	102.86	105.83
14	B2	820	CLA	CED-O2D-CGD	2.18	120.86	115.94
14	B5	1805	CLA	CMB-C2B-C3B	2.18	128.75	124.68
14	B1	804	CLA	CMC-C2C-C1C	2.18	128.35	125.04
14	B1	818	CLA	CHB-C4A-NA	2.18	127.52	124.51
14	K5	101	CLA	C2D-C1D-ND	2.18	111.71	110.10
14	A2	1639	CLA	CAC-C3C-C4C	2.18	127.63	124.81
14	B4	840	CLA	C3D-C2D-C1D	-2.18	102.86	105.83
14	A6	1614	CLA	C3D-C2D-C1D	-2.18	102.86	105.83
14	A2	1617	CLA	O1D-CGD-CBD	-2.18	120.03	124.48
14	B5	1832	CLA	O1D-CGD-CBD	-2.18	120.03	124.48
14	B3	1842	CLA	C3D-C4D-ND	2.18	113.76	110.24
14	A4	806	CLA	C3D-C4D-ND	2.18	113.76	110.24
14	A3	838	CLA	C9-C8-C7	2.18	119.17	111.29
14	A2	1601	CLA	O2A-CGA-O1A	-2.18	117.88	123.30
14	B3	1831	CLA	O2A-CGA-O1A	-2.18	118.10	123.59
14	B2	801	CLA	CHB-C4A-NA	2.18	127.52	124.51
16	A1	847	BCR	C34-C9-C10	-2.18	119.88	122.92
14	A1	833	CLA	CMB-C2B-C3B	2.18	128.75	124.68
14	A1	829	CLA	O1D-CGD-CBD	-2.18	120.03	124.48
14	B3	1822	CLA	CHD-C4C-C3C	-2.18	121.64	124.84
14	B2	802	CLA	CBC-CAC-C3C	-2.18	106.43	112.43
14	B1	827	CLA	C7-C6-C5	-2.18	107.45	113.36
14	A6	1633	CLA	O2D-CGD-O1D	-2.18	119.58	123.84
14	A2	1616	CLA	CHD-C4C-C3C	-2.17	121.64	124.84
14	A5	809	CLA	O2A-CGA-O1A	-2.17	118.10	123.59
16	L5	201	BCR	C33-C5-C4	-2.17	109.44	113.62
14	A6	1627	CLA	C1D-ND-C4D	-2.17	104.79	106.33
14	A1	802	CLA	CMC-C2C-C1C	2.17	128.35	125.04
14	J2	101	CLA	O2D-CGD-O1D	-2.17	119.59	123.84
14	A1	831	CLA	C1C-C2C-C3C	-2.17	104.67	106.96
14	B6	827	CLA	C3D-C4D-ND	2.17	113.75	110.24
14	A4	803	CLA	CAC-C3C-C4C	2.17	127.63	124.81
14	A5	802	CLA	C6-C5-C3	-2.17	107.75	113.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A1	838	CLA	CED-O2D-CGD	2.17	120.85	115.94
16	L3	206	BCR	C24-C25-C26	-2.17	116.20	121.46
14	B1	826	CLA	C2D-C1D-ND	2.17	111.71	110.10
14	A5	822	CLA	C3D-C4D-ND	2.17	113.75	110.24
14	F2	202	CLA	O2A-CGA-O1A	-2.17	117.88	123.30
16	L4	208	BCR	C1-C6-C5	-2.17	119.55	122.61
14	A3	842	CLA	C3D-C4D-ND	2.17	113.75	110.24
14	A1	811	CLA	C3C-C4C-NC	2.17	113.01	110.57
16	I1	103	BCR	C19-C18-C17	-2.17	115.61	118.94
14	B1	823	CLA	C3D-C4D-ND	2.17	113.75	110.24
14	B6	813	CLA	C2D-C1D-ND	2.17	111.70	110.10
14	A4	805	CLA	CMB-C2B-C1B	-2.17	125.12	128.46
14	B5	1804	CLA	O1D-CGD-CBD	-2.17	120.04	124.48
14	J3	101	CLA	CED-O2D-CGD	2.17	120.85	115.94
14	B6	835	CLA	CHD-C1D-ND	-2.17	122.46	124.45
14	A1	815	CLA	CAC-C3C-C4C	2.17	127.63	124.81
14	B3	1834	CLA	O2D-CGD-O1D	-2.17	119.59	123.84
14	A4	832	CLA	CBC-CAC-C3C	-2.17	106.44	112.43
14	J1	101	CLA	CHD-C4C-C3C	-2.17	121.65	124.84
14	A5	816	CLA	CMB-C2B-C3B	2.17	128.74	124.68
14	B6	828	CLA	C3D-C4D-ND	2.17	113.75	110.24
14	A2	1613	CLA	C3B-C4B-NB	2.17	112.02	109.21
14	A6	1638	CLA	CAC-C3C-C4C	2.17	127.63	124.81
14	A1	821	CLA	CMB-C2B-C3B	2.17	128.74	124.68
14	B2	834	CLA	CHD-C1D-ND	-2.17	122.46	124.45
14	B1	824	CLA	CMC-C2C-C1C	2.17	128.34	125.04
14	A2	1611	CLA	CMC-C2C-C1C	2.17	128.34	125.04
14	B2	825	CLA	C4C-C3C-C2C	-2.17	103.73	106.90
14	A1	836	CLA	C3D-C4D-ND	2.17	113.75	110.24
16	B3	1848	BCR	C19-C18-C17	-2.17	115.61	118.94
16	A1	844	BCR	C38-C26-C27	-2.17	109.45	113.62
14	X3	102	CLA	C3D-C2D-C1D	-2.17	102.87	105.83
14	A4	810	CLA	C3B-C4B-NB	2.17	112.02	109.21
14	A2	1625	CLA	O2D-CGD-O1D	-2.17	119.59	123.84
14	A1	833	CLA	O2A-CGA-O1A	-2.17	117.89	123.30
16	L2	208	BCR	C19-C18-C17	-2.17	115.61	118.94
14	A2	1636	CLA	C1-C2-C3	2.17	129.80	126.04
14	L5	203	CLA	CED-O2D-CGD	2.17	120.84	115.94
14	B6	820	CLA	O2A-CGA-O1A	-2.17	118.12	123.59
14	A6	1614	CLA	O2A-CGA-CBA	2.17	121.00	114.03
14	A3	835	CLA	CED-O2D-CGD	2.17	120.84	115.94
14	B6	831	CLA	CED-O2D-CGD	2.17	120.84	115.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A5	815	CLA	CED-O2D-CGD	2.17	120.84	115.94
14	K3	1401	CLA	C3D-C4D-ND	2.17	113.75	110.24
14	A6	1634	CLA	C3D-C4D-ND	2.17	113.75	110.24
14	B3	1810	CLA	CAC-C3C-C4C	2.17	127.62	124.81
14	B4	803	CLA	CHD-C1D-ND	-2.17	122.46	124.45
16	L2	201	BCR	C33-C5-C4	-2.17	109.45	113.62
14	B5	1804	CLA	O2A-CGA-O1A	-2.17	118.12	123.59
14	A2	1643	CLA	C12-C11-C10	-2.17	103.28	113.24
14	B2	824	CLA	C2D-C1D-ND	2.17	111.70	110.10
16	B5	1849	BCR	C29-C30-C25	2.17	113.82	110.48
14	B4	804	CLA	C3D-C2D-C1D	-2.17	102.87	105.83
14	B6	825	CLA	CHB-C4A-NA	2.17	127.51	124.51
14	J1	101	CLA	CMB-C2B-C3B	2.17	128.73	124.68
14	J6	1102	CLA	CED-O2D-CGD	2.17	120.84	115.94
14	J1	101	CLA	CHD-C1D-ND	-2.17	122.46	124.45
14	A6	1612	CLA	CHD-C1D-ND	-2.17	122.46	124.45
14	B2	810	CLA	O2A-CGA-CBA	2.17	120.99	114.03
14	A3	806	CLA	C3D-C2D-C1D	-2.17	102.87	105.83
14	A4	812	CLA	CHD-C4C-C3C	-2.17	121.65	124.84
14	B4	852	CLA	CMB-C2B-C3B	2.17	128.73	124.68
14	B1	826	CLA	CHB-C4A-NA	2.17	127.51	124.51
14	A1	820	CLA	CAC-C3C-C4C	2.17	127.62	124.81
14	B4	839	CLA	C2D-C1D-ND	2.17	111.70	110.10
14	A3	835	CLA	C3D-C4D-ND	2.17	113.74	110.24
14	A4	853	CLA	CMC-C2C-C1C	2.17	128.34	125.04
14	A1	805	CLA	CAA-CBA-CGA	2.17	119.58	113.25
14	B5	1818	CLA	CMB-C2B-C3B	2.17	128.73	124.68
14	B4	831	CLA	C9-C8-C10	2.17	119.14	111.29
16	L2	201	BCR	C1-C6-C5	-2.17	119.56	122.61
14	A2	1627	CLA	CAC-C3C-C4C	2.17	127.62	124.81
14	A3	816	CLA	CAC-C3C-C4C	2.17	127.62	124.81
14	A3	824	CLA	O2A-CGA-O1A	-2.17	118.12	123.59
14	B5	1830	CLA	O2A-C1-C2	2.17	114.33	108.64
14	B2	837	CLA	CHD-C4C-C3C	-2.17	121.66	124.84
14	J6	1103	CLA	CHD-C4C-C3C	-2.17	121.66	124.84
14	B4	814	CLA	C3D-C2D-C1D	-2.17	102.88	105.83
14	B1	837	CLA	CED-O2D-CGD	2.17	120.84	115.94
14	A6	1637	CLA	C3C-C4C-NC	2.17	113.00	110.57
16	I1	103	BCR	C30-C25-C26	-2.17	119.56	122.61
14	B2	838	CLA	C3D-C4D-ND	2.17	113.74	110.24
14	B6	824	CLA	CAC-C3C-C4C	2.17	127.62	124.81
14	B1	834	CLA	CED-O2D-CGD	2.17	120.83	115.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B2	835	CLA	O2A-CGA-CBA	2.17	120.99	114.03
14	A2	1625	CLA	CMB-C2B-C3B	2.17	128.73	124.68
14	B4	819	CLA	C3D-C4D-ND	2.17	113.74	110.24
14	B6	805	CLA	CAC-C3C-C4C	2.16	127.62	124.81
14	A1	835	CLA	CHD-C4C-C3C	-2.16	121.66	124.84
14	A5	841	CLA	C12-C11-C10	-2.16	103.29	113.24
14	B5	1827	CLA	CHB-C4A-NA	2.16	127.50	124.51
14	B2	801	CLA	CMC-C2C-C1C	2.16	128.34	125.04
14	B1	817	CLA	O2A-CGA-O1A	-2.16	118.13	123.59
14	X2	1701	CLA	C3D-C2D-C1D	-2.16	102.88	105.83
14	B3	1823	CLA	CED-O2D-CGD	2.16	120.83	115.94
14	B4	801	CLA	C1D-ND-C4D	-2.16	104.80	106.33
14	A4	836	CLA	C3D-C2D-C1D	-2.16	102.88	105.83
14	A6	1605	CLA	O1D-CGD-CBD	-2.16	120.06	124.48
14	A4	822	CLA	CMB-C2B-C3B	2.16	128.72	124.68
14	A5	841	CLA	CMB-C2B-C3B	2.16	128.72	124.68
14	A4	808	CLA	O2A-CGA-O1A	-2.16	118.13	123.59
14	A1	803	CLA	O2D-CGD-O1D	-2.16	119.61	123.84
14	B1	810	CLA	C2D-C1D-ND	2.16	111.70	110.10
14	A5	824	CLA	C2D-C1D-ND	2.16	111.70	110.10
14	B2	808	CLA	CMC-C2C-C1C	2.16	128.33	125.04
14	A2	1637	CLA	O2A-CGA-CBA	2.16	120.98	114.03
14	A3	838	CLA	CHD-C4C-C3C	-2.16	121.66	124.84
14	A1	839	CLA	C3D-C4D-ND	2.16	113.74	110.24
14	B3	1818	CLA	CAC-C3C-C4C	2.16	127.62	124.81
14	B1	840	CLA	O2D-CGD-O1D	-2.16	119.61	123.84
14	A4	823	CLA	C3D-C2D-C1D	-2.16	102.88	105.83
14	B3	1830	CLA	CED-O2D-CGD	2.16	120.83	115.94
14	A5	828	CLA	O2A-CGA-O1A	-2.16	118.14	123.59
14	B4	837	CLA	O2A-CGA-O1A	-2.16	117.91	123.30
14	B3	1821	CLA	CAC-C3C-C4C	2.16	127.61	124.81
14	A5	836	CLA	CAC-C3C-C4C	2.16	127.61	124.81
14	B3	1824	CLA	C1-O2A-CGA	2.16	122.12	116.44
14	B3	1817	CLA	CMC-C2C-C1C	2.16	128.33	125.04
14	F2	204	CLA	C3D-C2D-C1D	-2.16	102.88	105.83
16	B6	846	BCR	C19-C18-C17	-2.16	115.62	118.94
16	F4	204	BCR	C30-C25-C26	-2.16	119.57	122.61
16	L4	206	BCR	C30-C25-C26	-2.16	119.57	122.61
16	A6	1652	BCR	C1-C6-C5	-2.16	119.57	122.61
14	A3	833	CLA	CHD-C4C-C3C	-2.16	121.66	124.84
16	B6	846	BCR	C38-C26-C25	2.16	126.95	124.53
14	A3	830	CLA	O1D-CGD-CBD	-2.16	120.06	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A1	828	CLA	CAC-C3C-C4C	2.16	127.61	124.81
14	B1	826	CLA	C3D-C2D-C1D	-2.16	102.88	105.83
14	B1	822	CLA	CED-O2D-CGD	2.16	120.82	115.94
14	A2	1645	CLA	CAC-C3C-C4C	2.16	127.61	124.81
14	B2	833	CLA	C2D-C1D-ND	2.16	111.70	110.10
14	L5	203	CLA	C3D-C4D-ND	2.16	113.73	110.24
14	B3	1836	CLA	O2D-CGD-O1D	-2.16	119.61	123.84
14	B6	816	CLA	O2A-CGA-O1A	-2.16	118.14	123.59
16	A6	1645	BCR	C38-C26-C27	-2.16	109.47	113.62
16	B5	1845	BCR	C33-C5-C4	-2.16	109.47	113.62
14	A5	831	CLA	CMC-C2C-C1C	2.16	128.33	125.04
14	A6	1609	CLA	CAA-C2A-C1A	2.16	119.05	111.97
14	A5	812	CLA	C3D-C2D-C1D	-2.16	102.88	105.83
14	B6	828	CLA	CED-O2D-CGD	2.16	120.82	115.94
16	B5	1848	BCR	C36-C18-C19	2.16	121.48	118.08
14	A1	826	CLA	C2D-C1D-ND	2.16	111.69	110.10
14	B2	810	CLA	O2A-CGA-O1A	-2.16	117.92	123.30
14	B5	1835	CLA	CED-O2D-CGD	2.16	120.82	115.94
14	B5	1811	CLA	C3B-C4B-NB	2.16	112.00	109.21
14	X4	102	CLA	CMB-C2B-C3B	2.16	128.72	124.68
14	A3	804	CLA	CMC-C2C-C1C	2.16	128.33	125.04
14	A5	836	CLA	CMC-C2C-C1C	2.16	128.33	125.04
14	A3	830	CLA	O2A-CGA-O1A	-2.16	118.14	123.59
14	B2	814	CLA	CMB-C2B-C3B	2.16	128.72	124.68
14	A3	804	CLA	C3D-C2D-C1D	-2.16	102.89	105.83
16	J3	104	BCR	C30-C25-C26	-2.16	119.57	122.61
14	B1	802	CLA	CHD-C4C-C3C	-2.16	121.67	124.84
16	B2	843	BCR	C37-C22-C23	2.16	121.48	118.08
14	A5	833	CLA	CBC-CAC-C3C	-2.16	106.48	112.43
14	B3	1808	CLA	C2D-C1D-ND	2.16	111.69	110.10
14	B5	1822	CLA	O2A-CGA-O1A	-2.16	118.15	123.59
16	L2	208	BCR	C38-C26-C27	-2.16	109.47	113.62
14	A1	816	CLA	CMB-C2B-C3B	2.16	128.71	124.68
14	B2	839	CLA	C3D-C4D-ND	2.16	113.73	110.24
14	A2	1606	CLA	C3D-C2D-C1D	-2.16	102.89	105.83
14	A6	1601	CLA	C3D-C2D-C1D	-2.16	102.89	105.83
14	B3	1824	CLA	C3D-C4D-ND	2.16	113.73	110.24
14	A3	843	CLA	CHB-C4A-NA	2.16	127.49	124.51
14	A3	838	CLA	C3C-C4C-NC	2.16	112.99	110.57
14	B3	1803	CLA	C3D-C2D-C1D	-2.16	102.89	105.83
14	J4	101	CLA	C3D-C2D-C1D	-2.16	102.89	105.83
14	A6	1605	CLA	C3B-C4B-NB	2.16	112.00	109.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A5	832	CLA	C1C-C2C-C3C	-2.16	104.69	106.96
14	A5	834	CLA	CMB-C2B-C3B	2.16	128.71	124.68
14	B3	1816	CLA	C1-C2-C3	2.16	129.77	126.04
14	A4	807	CLA	C3D-C4D-ND	2.16	113.72	110.24
14	B3	1802	CLA	CHD-C4C-C3C	-2.16	121.67	124.84
14	B3	1824	CLA	CHD-C4C-C3C	-2.16	121.67	124.84
14	A1	835	CLA	C3C-C4C-NC	2.16	112.99	110.57
16	A4	847	BCR	C1-C6-C5	-2.16	119.58	122.61
14	X1	1701	CLA	C3D-C2D-C1D	-2.16	102.89	105.83
14	A2	1626	CLA	C3D-C2D-C1D	-2.16	102.89	105.83
14	B2	811	CLA	CMC-C2C-C1C	2.15	128.32	125.04
14	A4	840	CLA	C3D-C4D-ND	2.15	113.72	110.24
14	A2	1627	CLA	CED-O2D-CGD	2.15	120.81	115.94
14	B1	830	CLA	CHD-C4C-C3C	-2.15	121.67	124.84
14	A4	823	CLA	CHD-C4C-C3C	-2.15	121.67	124.84
15	A5	844	PQN	C2M-C2-C3	-2.15	120.89	124.40
14	A3	842	CLA	C12-C11-C10	-2.15	103.34	113.24
14	A3	821	CLA	C11-C10-C8	2.15	122.88	115.92
16	B1	845	BCR	C40-C30-C25	2.15	113.79	110.30
14	B1	836	CLA	C2D-C1D-ND	2.15	111.69	110.10
14	J1	102	CLA	C2D-C1D-ND	2.15	111.69	110.10
14	B2	801	CLA	CHD-C1D-ND	-2.15	122.47	124.45
14	A6	1607	CLA	CHD-C1D-ND	-2.15	122.47	124.45
14	B6	808	CLA	CHD-C1D-ND	-2.15	122.47	124.45
14	A5	817	CLA	CMB-C2B-C3B	2.15	128.71	124.68
14	A6	1629	CLA	C3B-C4B-NB	2.15	111.99	109.21
14	A6	1604	CLA	CAC-C3C-C4C	2.15	127.60	124.81
14	B5	1819	CLA	CAC-C3C-C4C	2.15	127.60	124.81
16	L2	203	BCR	C12-C13-C14	-2.15	115.64	118.94
14	B1	837	CLA	C3D-C2D-C1D	-2.15	102.89	105.83
14	B4	822	CLA	C3D-C2D-C1D	-2.15	102.89	105.83
14	A5	838	CLA	O2D-CGD-O1D	-2.15	119.63	123.84
14	B4	831	CLA	CAC-C3C-C4C	2.15	127.60	124.81
14	B4	831	CLA	CHD-C4C-C3C	-2.15	121.68	124.84
14	B3	1840	CLA	C3C-C4C-NC	2.15	112.98	110.57
14	B5	1801	CLA	CMC-C2C-C1C	2.15	128.32	125.04
14	A3	809	CLA	O2A-CGA-O1A	-2.15	118.16	123.59
16	B6	847	BCR	C34-C9-C8	2.15	121.47	118.08
14	A1	818	CLA	C2D-C1D-ND	2.15	111.69	110.10
14	X5	101	CLA	C2D-C1D-ND	2.15	111.69	110.10
14	B6	822	CLA	CHD-C4C-C3C	-2.15	121.68	124.84
14	B5	1841	CLA	CAC-C3C-C4C	2.15	127.60	124.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B5	1830	CLA	C5-C3-C2	2.15	125.47	121.12
14	A3	804	CLA	C12-C11-C10	-2.15	106.01	113.62
14	B1	830	CLA	CHD-C1D-ND	-2.15	122.48	124.45
14	A2	1623	CLA	CHD-C1D-ND	-2.15	122.48	124.45
14	B3	1807	CLA	CHD-C1D-ND	-2.15	122.48	124.45
14	A5	835	CLA	CMB-C2B-C3B	2.15	128.70	124.68
14	B1	819	CLA	O2A-CGA-O1A	-2.15	118.16	123.59
14	B6	837	CLA	C1D-ND-C4D	-2.15	104.81	106.33
16	A6	1646	BCR	C1-C6-C5	-2.15	119.58	122.61
14	B3	1841	CLA	C1C-C2C-C3C	-2.15	104.69	106.96
14	B4	841	CLA	C1C-C2C-C3C	-2.15	104.69	106.96
14	B6	820	CLA	C3D-C2D-C1D	-2.15	102.90	105.83
16	L3	206	BCR	C19-C18-C17	-2.15	115.64	118.94
14	B3	1816	CLA	CMC-C2C-C1C	2.15	128.31	125.04
14	A4	820	CLA	CHD-C4C-C3C	-2.15	121.68	124.84
14	B3	1801	CLA	CED-O2D-CGD	2.15	120.80	115.94
14	A4	811	CLA	O2A-CGA-O1A	-2.15	118.17	123.59
14	A4	828	CLA	C3B-C4B-NB	2.15	111.99	109.21
14	B2	825	CLA	CMB-C2B-C1B	-2.15	125.16	128.46
14	A4	853	CLA	O2A-CGA-O1A	-2.15	117.94	123.30
14	J3	101	CLA	CMC-C2C-C1C	2.15	128.31	125.04
16	B1	847	BCR	C37-C22-C23	2.15	121.46	118.08
14	B4	823	CLA	C1D-ND-C4D	-2.15	104.81	106.33
14	A1	803	CLA	C2D-C1D-ND	2.15	111.69	110.10
14	A2	1638	CLA	C2D-C1D-ND	2.15	111.69	110.10
14	B1	813	CLA	C3D-C2D-C1D	-2.15	102.90	105.83
14	B2	802	CLA	C3D-C2D-C1D	-2.15	102.90	105.83
14	A5	830	CLA	C3D-C2D-C1D	-2.15	102.90	105.83
14	A3	841	CLA	CMC-C2C-C1C	2.15	128.31	125.04
14	A6	1605	CLA	CHD-C4C-C3C	-2.15	121.68	124.84
14	B3	1826	CLA	CHD-C1D-ND	-2.15	122.48	124.45
14	A2	1613	CLA	C3D-C4D-ND	2.15	113.71	110.24
16	A3	850	BCR	C36-C18-C19	2.15	121.46	118.08
14	A2	1633	CLA	CED-O2D-CGD	2.15	120.80	115.94
14	A1	809	CLA	CMB-C2B-C3B	2.15	128.70	124.68
14	B5	1841	CLA	CMC-C2C-C1C	2.15	128.31	125.04
14	A2	1644	CLA	CHB-C4A-NA	2.15	127.48	124.51
14	B1	803	CLA	C3D-C4D-ND	2.15	113.71	110.24
14	B3	1808	CLA	CHD-C4C-C3C	-2.15	121.68	124.84
14	B6	825	CLA	CHD-C4C-C3C	-2.15	121.68	124.84
14	A3	825	CLA	O1D-CGD-CBD	-2.15	120.09	124.48
16	M2	1202	BCR	C7-C6-C5	-2.15	116.26	121.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	L4	201	CLA	CED-O2D-CGD	2.15	120.80	115.94
14	B3	1815	CLA	C4C-C3C-C2C	-2.15	103.77	106.90
16	I4	102	BCR	C30-C25-C26	-2.15	119.59	122.61
14	A2	1617	CLA	CAC-C3C-C4C	2.15	127.60	124.81
14	A4	837	CLA	CAC-C3C-C4C	2.15	127.60	124.81
14	B3	1812	CLA	CMC-C2C-C1C	2.15	128.31	125.04
14	A5	802	CLA	CHD-C4C-C3C	-2.15	121.68	124.84
14	B3	1827	CLA	CHB-C4A-NA	2.15	127.48	124.51
14	A3	823	CLA	C3D-C2D-C1D	-2.15	102.90	105.83
14	B3	1803	CLA	CBC-CAC-C3C	-2.15	106.51	112.43
14	A4	807	CLA	O2A-CGA-O1A	-2.15	118.17	123.59
14	A4	827	CLA	O2A-CGA-O1A	-2.15	118.17	123.59
14	B4	815	CLA	O2A-CGA-O1A	-2.15	118.17	123.59
14	A3	810	CLA	CMB-C2B-C3B	2.15	128.70	124.68
14	A2	1607	CLA	CAA-C2A-C3A	-2.15	106.90	112.78
14	B4	809	CLA	C3C-C4C-NC	2.15	112.98	110.57
14	A4	816	CLA	CMB-C2B-C3B	2.15	128.69	124.68
14	I1	101	CLA	C3D-C4D-ND	2.15	113.71	110.24
14	A4	842	CLA	C3D-C4D-ND	2.15	113.71	110.24
14	B1	831	CLA	C3D-C2D-C1D	-2.15	102.90	105.83
14	A2	1607	CLA	C3D-C4D-ND	2.15	113.71	110.24
16	B3	1851	BCR	C30-C25-C26	-2.15	119.59	122.61
16	A4	848	BCR	C1-C6-C5	-2.15	119.59	122.61
14	A3	835	CLA	CMB-C2B-C3B	2.15	128.69	124.68
14	B3	1822	CLA	CMB-C2B-C3B	2.15	128.69	124.68
16	I3	101	BCR	C34-C9-C8	2.15	121.46	118.08
14	B3	1838	CLA	O2A-CGA-O1A	-2.15	117.95	123.30
14	A2	1630	CLA	C2D-C1D-ND	2.15	111.69	110.10
16	I4	102	BCR	C12-C13-C14	-2.15	115.65	118.94
14	A4	834	CLA	O2A-CGA-O1A	-2.15	117.95	123.30
16	F3	203	BCR	C36-C18-C19	2.15	121.46	118.08
16	L4	208	BCR	C33-C5-C4	-2.15	109.50	113.62
14	A3	825	CLA	CED-O2D-CGD	2.15	120.79	115.94
14	K3	1401	CLA	CED-O2D-CGD	2.15	120.79	115.94
14	B6	817	CLA	CHD-C4C-C3C	-2.15	121.69	124.84
14	J5	102	CLA	CAC-C3C-C4C	2.14	127.59	124.81
14	A5	814	CLA	C3D-C2D-C1D	-2.14	102.90	105.83
14	B3	1821	CLA	CHD-C1D-ND	-2.14	122.48	124.45
14	A4	811	CLA	CHD-C4C-C3C	-2.14	121.69	124.84
14	A5	831	CLA	CHD-C4C-C3C	-2.14	121.69	124.84
16	B1	846	BCR	C38-C26-C25	2.14	126.94	124.53
14	A4	833	CLA	CMB-C2B-C3B	2.14	128.69	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A3	805	CLA	CAA-C2A-C3A	-2.14	106.91	112.78
16	A5	847	BCR	C38-C26-C27	-2.14	109.50	113.62
14	A4	815	CLA	CAC-C3C-C4C	2.14	127.59	124.81
14	B5	1814	CLA	C3D-C2D-C1D	-2.14	102.91	105.83
14	B6	830	CLA	C2D-C1D-ND	2.14	111.68	110.10
14	A6	1610	CLA	CMC-C2C-C1C	2.14	128.30	125.04
16	L5	207	BCR	C38-C26-C27	-2.14	109.50	113.62
14	A1	838	CLA	O2A-CGA-O1A	-2.14	118.18	123.59
14	A3	831	CLA	C3C-C4C-NC	2.14	112.97	110.57
14	L3	204	CLA	C3C-C4C-NC	2.14	112.97	110.57
14	B2	823	CLA	O1D-CGD-CBD	-2.14	120.10	124.48
14	A5	827	CLA	O1D-CGD-CBD	-2.14	120.10	124.48
14	J4	101	CLA	CMC-C2C-C1C	2.14	128.30	125.04
16	B2	850	BCR	C30-C25-C26	-2.14	119.59	122.61
14	A6	1637	CLA	CHD-C4C-C3C	-2.14	121.69	124.84
16	I3	102	BCR	C12-C13-C14	-2.14	115.65	118.94
14	B5	1811	CLA	C3D-C2D-C1D	-2.14	102.91	105.83
14	B5	1805	CLA	C1B-CHB-C4A	-2.14	125.87	130.12
14	B3	1811	CLA	C3B-C4B-NB	2.14	111.98	109.21
14	B5	1842	CLA	CHD-C1D-ND	-2.14	122.48	124.45
14	A2	1631	CLA	CMD-C2D-C1D	2.14	128.49	124.71
16	J4	104	BCR	C19-C18-C17	-2.14	115.65	118.94
14	B6	810	CLA	O2A-CGA-O1A	-2.14	118.19	123.59
14	B3	1843	CLA	C4C-C3C-C2C	-2.14	103.78	106.90
14	B1	810	CLA	C3D-C2D-C1D	-2.14	102.91	105.83
14	A4	840	CLA	CAC-C3C-C4C	2.14	127.59	124.81
16	A6	1644	BCR	C30-C25-C26	-2.14	119.60	122.61
14	J6	1102	CLA	CMB-C2B-C3B	2.14	128.69	124.68
14	B5	1843	CLA	CMB-C2B-C3B	2.14	128.69	124.68
14	J1	102	CLA	CHD-C4C-C3C	-2.14	121.69	124.84
14	B3	1830	CLA	CHD-C4C-C3C	-2.14	121.69	124.84
16	A3	849	BCR	C38-C26-C27	-2.14	109.50	113.62
14	B1	811	CLA	CHD-C1D-ND	-2.14	122.49	124.45
14	B6	841	CLA	C4C-C3C-C2C	-2.14	103.78	106.90
14	A6	1641	CLA	CAC-C3C-C4C	2.14	127.59	124.81
14	L6	207	CLA	C3B-C4B-NB	2.14	111.98	109.21
14	A5	814	CLA	CHD-C4C-C3C	-2.14	121.69	124.84
14	B5	1802	CLA	CHD-C4C-C3C	-2.14	121.69	124.84
16	L3	206	BCR	C30-C25-C26	-2.14	119.60	122.61
14	A1	828	CLA	CMD-C2D-C1D	2.14	128.49	124.71
14	A6	1631	CLA	O2A-CGA-O1A	-2.14	118.19	123.59
14	J6	1103	CLA	CAC-C3C-C4C	2.14	127.59	124.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	B5	1849	BCR	C30-C25-C26	-2.14	119.60	122.61
16	J2	103	BCR	C19-C18-C17	-2.14	115.66	118.94
14	B2	803	CLA	C2D-C1D-ND	2.14	111.68	110.10
16	A5	846	BCR	C38-C26-C25	2.14	126.93	124.53
14	B1	827	CLA	CMB-C2B-C1B	-2.14	125.17	128.46
14	A2	1625	CLA	C3D-C4D-ND	2.14	113.70	110.24
14	A6	1603	CLA	C3D-C4D-ND	2.14	113.70	110.24
14	A5	824	CLA	C3D-C2D-C1D	-2.14	102.91	105.83
16	A2	1649	BCR	C38-C26-C27	-2.14	109.51	113.62
16	B1	847	BCR	C19-C18-C17	-2.14	115.66	118.94
14	K2	1401	CLA	CMC-C2C-C1C	2.14	128.30	125.04
14	L3	202	CLA	CMC-C2C-C1C	2.14	128.30	125.04
14	A5	820	CLA	O2A-CGA-O1A	-2.14	118.19	123.59
14	B5	1838	CLA	CED-O2D-CGD	2.14	120.78	115.94
14	A4	837	CLA	O2D-CGD-O1D	-2.14	119.66	123.84
14	A1	805	CLA	C3D-C2D-C1D	-2.14	102.91	105.83
16	A4	846	BCR	C36-C18-C19	2.14	121.45	118.08
16	F6	203	BCR	C36-C18-C19	2.14	121.45	118.08
16	F5	1302	BCR	C30-C25-C26	-2.14	119.60	122.61
14	B1	820	CLA	CAC-C3C-C4C	2.14	127.58	124.81
14	B2	823	CLA	CAC-C3C-C4C	2.14	127.58	124.81
14	B1	822	CLA	O1D-CGD-CBD	-2.14	120.11	124.48
14	A4	832	CLA	C1C-C2C-C3C	-2.14	104.71	106.96
14	A5	835	CLA	O2A-CGA-O1A	-2.14	117.97	123.30
14	B6	804	CLA	CHD-C1D-ND	-2.14	122.49	124.45
14	B3	1840	CLA	C3D-C2D-C1D	-2.14	102.91	105.83
16	A5	850	BCR	C34-C9-C10	-2.14	119.93	122.92
14	X2	1701	CLA	CMC-C2C-C1C	2.14	128.29	125.04
14	J3	101	CLA	O2A-CGA-CBA	2.14	120.90	114.03
14	B1	818	CLA	C3D-C4D-ND	2.14	113.70	110.24
16	B3	1848	BCR	C38-C26-C27	-2.14	109.51	113.62
14	B5	1829	CLA	CED-O2D-CGD	2.14	120.77	115.94
14	A2	1602	CLA	C3D-C2D-C1D	-2.14	102.91	105.83
14	A2	1607	CLA	C3D-C2D-C1D	-2.14	102.91	105.83
14	B2	806	CLA	C3D-C2D-C1D	-2.14	102.91	105.83
14	B5	1836	CLA	C3D-C2D-C1D	-2.14	102.91	105.83
14	L4	201	CLA	CMC-C2C-C1C	2.14	128.29	125.04
14	L1	205	CLA	O2A-CGA-O1A	-2.14	118.20	123.59
16	M1	1202	BCR	C33-C5-C6	2.14	126.93	124.53
14	B2	803	CLA	CAC-C3C-C4C	2.14	127.58	124.81
14	A4	805	CLA	C11-C10-C8	2.14	122.83	115.92
14	A3	825	CLA	CAC-C3C-C4C	2.14	127.58	124.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B4	822	CLA	O1D-CGD-CBD	-2.14	120.11	124.48
14	B3	1831	CLA	CHD-C4C-C3C	-2.14	121.70	124.84
14	A1	820	CLA	O2A-CGA-CBA	2.14	118.61	111.91
14	B2	812	CLA	O2A-CGA-O1A	-2.14	118.20	123.59
16	I3	101	BCR	C1-C6-C5	-2.14	119.61	122.61
16	F6	201	BCR	C37-C22-C23	2.14	121.44	118.08
14	B2	833	CLA	CAC-C3C-C4C	2.14	127.58	124.81
14	B1	811	CLA	C3B-C4B-NB	2.14	111.97	109.21
14	A1	827	CLA	CED-O2D-CGD	2.14	120.77	115.94
14	A4	808	CLA	CMC-C2C-C1C	2.14	128.29	125.04
14	B5	1843	CLA	C4C-C3C-C2C	-2.14	103.78	106.90
16	B6	846	BCR	C36-C18-C19	2.14	121.44	118.08
14	B2	832	CLA	C3D-C4D-ND	2.13	113.69	110.24
14	A5	802	CLA	O2D-CGD-O1D	-2.13	119.66	123.84
14	B6	837	CLA	O1D-CGD-CBD	-2.13	120.12	124.48
14	B6	805	CLA	CHB-C4A-NA	2.13	127.46	124.51
14	X2	1701	CLA	CMB-C2B-C3B	2.13	128.67	124.68
14	B4	816	CLA	C1-C2-C3	2.13	129.74	126.04
14	B6	806	CLA	CED-O2D-CGD	2.13	120.77	115.94
14	B3	1813	CLA	O2A-CGA-O1A	-2.13	117.98	123.30
16	L4	206	BCR	C19-C18-C17	-2.13	115.67	118.94
14	A4	836	CLA	CHD-C4C-C3C	-2.13	121.70	124.84
14	B4	809	CLA	CAC-C3C-C4C	2.13	127.58	124.81
14	A4	839	CLA	CMC-C2C-C1C	2.13	128.29	125.04
14	B5	1829	CLA	O2A-CGA-O1A	-2.13	118.21	123.59
14	A5	811	CLA	C3B-C4B-NB	2.13	111.97	109.21
16	L2	208	BCR	C29-C30-C25	2.13	113.77	110.48
14	B1	808	CLA	CHD-C1D-ND	-2.13	122.49	124.45
14	L5	203	CLA	O2D-CGD-O1D	-2.13	119.67	123.84
14	A2	1631	CLA	C3D-C2D-C1D	-2.13	102.92	105.83
14	B4	831	CLA	C3D-C2D-C1D	-2.13	102.92	105.83
14	A6	1637	CLA	C3D-C2D-C1D	-2.13	102.92	105.83
16	B6	845	BCR	C34-C9-C8	2.13	121.44	118.08
14	B4	803	CLA	CBC-CAC-C3C	-2.13	106.55	112.43
14	A2	1625	CLA	CAC-C3C-C4C	2.13	127.58	124.81
14	A6	1612	CLA	CAC-C3C-C4C	2.13	127.58	124.81
14	B6	808	CLA	CHB-C4A-NA	2.13	127.46	124.51
14	A4	812	CLA	O1D-CGD-CBD	-2.13	120.12	124.48
16	B5	1849	BCR	C37-C22-C23	2.13	121.44	118.08
14	A3	838	CLA	C2D-C1D-ND	2.13	111.68	110.10
14	A3	802	CLA	CMB-C2B-C3B	2.13	128.67	124.68
17	A3	854	LHG	O2-C2-C3	2.13	117.04	109.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	M1	1201	CLA	C3B-C4B-NB	2.13	111.97	109.21
14	A1	803	CLA	C3D-C2D-C1D	-2.13	102.92	105.83
14	B3	1814	CLA	C3D-C2D-C1D	-2.13	102.92	105.83
14	B3	1841	CLA	CMC-C2C-C1C	2.13	128.29	125.04
14	B5	1828	CLA	CMB-C2B-C1B	-2.13	125.19	128.46
14	B4	805	CLA	C1B-CHB-C4A	-2.13	125.89	130.12
16	B2	844	BCR	C38-C26-C25	2.13	126.92	124.53
16	A2	1651	BCR	C34-C9-C8	2.13	121.44	118.08
14	B5	1818	CLA	CAC-C3C-C4C	2.13	127.58	124.81
14	B4	833	CLA	O2D-CGD-O1D	-2.13	119.67	123.84
14	A1	820	CLA	C3D-C4D-ND	2.13	113.69	110.24
14	A4	810	CLA	C1C-C2C-C3C	-2.13	104.72	106.96
14	A3	803	CLA	CHD-C1D-ND	-2.13	122.50	124.45
14	F4	202	CLA	O2A-CGA-O1A	-2.13	117.99	123.30
14	B4	801	CLA	C3D-C2D-C1D	-2.13	102.92	105.83
14	A5	801	CLA	C3D-C2D-C1D	-2.13	102.92	105.83
14	B3	1810	CLA	C4A-NA-C1A	2.13	107.66	106.71
16	B5	1849	BCR	C15-C16-C17	-2.13	119.11	123.47
14	A2	1629	CLA	O1D-CGD-CBD	-2.13	120.12	124.48
14	A1	810	CLA	CMC-C2C-C1C	2.13	128.28	125.04
16	L2	203	BCR	C32-C1-C6	2.13	113.75	110.30
14	B3	1839	CLA	O2A-CGA-O1A	-2.13	118.22	123.59
14	B5	1818	CLA	O2A-CGA-O1A	-2.13	118.22	123.59
14	B2	804	CLA	CAC-C3C-C4C	2.13	127.57	124.81
14	A3	811	CLA	C3B-C4B-NB	2.13	111.96	109.21
14	B5	1816	CLA	C1-C2-C3	2.13	129.73	126.04
14	A3	820	CLA	O2A-CGA-O1A	-2.13	118.22	123.59
16	F4	203	BCR	C30-C25-C26	-2.13	119.61	122.61
14	A5	838	CLA	CMC-C2C-C1C	2.13	128.28	125.04
14	B2	813	CLA	C3D-C2D-C1D	-2.13	102.92	105.83
14	B5	1827	CLA	C3D-C2D-C1D	-2.13	102.92	105.83
14	B5	1808	CLA	CHD-C4C-C3C	-2.13	121.71	124.84
14	B3	1814	CLA	CMB-C2B-C3B	2.13	128.66	124.68
14	A3	841	CLA	O2A-CGA-O1A	-2.13	118.22	123.59
14	A2	1609	CLA	C3D-C4D-ND	2.13	113.68	110.24
14	A2	1640	CLA	C3D-C4D-ND	2.13	113.68	110.24
14	A6	1616	CLA	C3D-C4D-ND	2.13	113.68	110.24
14	A3	832	CLA	C2D-C1D-ND	2.13	111.67	110.10
16	M4	101	BCR	C7-C6-C5	-2.13	116.31	121.46
14	B1	813	CLA	CMC-C2C-C1C	2.13	128.28	125.04
14	A2	1632	CLA	CMC-C2C-C1C	2.13	128.28	125.04
14	J2	101	CLA	CMC-C2C-C1C	2.13	128.28	125.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A5	803	CLA	CHD-C4C-C3C	-2.13	121.71	124.84
14	B2	833	CLA	C3D-C2D-C1D	-2.13	102.93	105.83
16	A4	844	BCR	C33-C5-C4	-2.13	109.53	113.62
14	A5	809	CLA	CHD-C1D-ND	-2.13	122.50	124.45
16	B5	1849	BCR	C19-C18-C17	-2.13	115.67	118.94
14	B4	810	CLA	CHB-C4A-NA	2.13	127.45	124.51
14	A6	1601	CLA	CMC-C2C-C1C	2.13	128.28	125.04
14	A5	840	CLA	CMC-C2C-C1C	2.13	128.28	125.04
14	B5	1833	CLA	O2A-CGA-O1A	-2.13	118.22	123.59
14	B2	815	CLA	CAC-C3C-C4C	2.13	127.57	124.81
14	B2	801	CLA	C12-C11-C10	-2.13	103.46	113.24
14	A4	827	CLA	C2D-C1D-ND	2.13	111.67	110.10
14	A6	1634	CLA	C4-C3-C5	2.13	118.85	115.27
16	L6	209	BCR	C38-C26-C27	-2.13	109.53	113.62
16	A6	1648	BCR	C1-C6-C5	-2.13	119.62	122.61
14	B4	802	CLA	O2D-CGD-CBD	2.13	115.05	111.27
14	L5	205	CLA	O2A-CGA-O1A	-2.13	118.22	123.59
16	B3	1847	BCR	C35-C13-C12	2.13	121.43	118.08
14	B2	833	CLA	CHD-C4C-C3C	-2.13	121.71	124.84
14	A3	819	CLA	CHD-C4C-C3C	-2.13	121.71	124.84
14	A1	802	CLA	C3C-C4C-NC	2.13	112.96	110.57
16	L4	206	BCR	C38-C26-C27	-2.13	109.53	113.62
14	B5	1825	CLA	CAC-C3C-C4C	2.13	127.57	124.81
14	L5	202	CLA	CAC-C3C-C4C	2.13	127.57	124.81
14	B5	1818	CLA	C4-C3-C5	2.13	118.85	115.27
14	A3	824	CLA	C2D-C1D-ND	2.13	111.67	110.10
14	A3	809	CLA	CHD-C1D-ND	-2.13	122.50	124.45
14	L3	203	CLA	O2A-CGA-O1A	-2.13	118.23	123.59
14	A5	833	CLA	CMB-C2B-C3B	2.13	128.66	124.68
14	A5	827	CLA	C1D-ND-C4D	-2.13	104.83	106.33
14	A6	1631	CLA	CMC-C2C-C1C	2.13	128.28	125.04
16	A3	851	BCR	C1-C6-C5	-2.13	119.62	122.61
14	A3	816	CLA	C1C-C2C-C3C	-2.13	104.72	106.96
14	A6	1610	CLA	CMB-C2B-C3B	2.13	128.65	124.68
14	B3	1817	CLA	O2A-CGA-CBA	2.12	120.86	114.03
14	K5	102	CLA	O2A-CGA-CBA	2.12	120.86	114.03
14	B4	806	CLA	CBC-CAC-C3C	-2.12	106.57	112.43
14	A5	820	CLA	C3C-C4C-NC	2.12	112.95	110.57
14	A3	845	CLA	CED-O2D-CGD	2.12	120.74	115.94
14	B3	1835	CLA	CED-O2D-CGD	2.12	120.74	115.94
14	A3	836	CLA	O2A-CGA-CBA	2.12	120.86	114.03
14	B1	826	CLA	CHD-C4C-C3C	-2.12	121.72	124.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A3	840	CLA	O2A-CGA-O1A	-2.12	118.23	123.59
14	K6	1401	CLA	CED-O2D-CGD	2.12	120.74	115.94
14	B1	811	CLA	CMC-C2C-C1C	2.12	128.27	125.04
14	B1	816	CLA	CHD-C1D-ND	-2.12	122.50	124.45
14	L4	204	CLA	C3B-C4B-NB	2.12	111.96	109.21
14	B6	824	CLA	CED-O2D-CGD	2.12	120.74	115.94
16	L2	203	BCR	C38-C26-C25	2.12	126.91	124.53
16	A5	850	BCR	C12-C13-C14	-2.12	115.68	118.94
14	L4	204	CLA	O2A-CGA-O1A	-2.12	118.23	123.59
14	X6	1701	CLA	C2D-C1D-ND	2.12	111.67	110.10
16	A3	851	BCR	C34-C9-C8	2.12	121.42	118.08
14	B1	804	CLA	C12-C11-C10	-2.12	103.48	113.24
14	A5	823	CLA	C3D-C2D-C1D	-2.12	102.93	105.83
14	A6	1634	CLA	CMB-C2B-C3B	2.12	128.65	124.68
16	I5	102	BCR	C38-C26-C27	-2.12	109.54	113.62
14	A2	1636	CLA	C3D-C4D-ND	2.12	113.67	110.24
14	B3	1812	CLA	O2A-CGA-O1A	-2.12	118.23	123.59
14	A4	817	CLA	CMB-C2B-C3B	2.12	128.65	124.68
14	B1	840	CLA	CMC-C2C-C1C	2.12	128.27	125.04
14	A6	1611	CLA	CMC-C2C-C1C	2.12	128.27	125.04
14	A4	853	CLA	C3D-C2D-C1D	-2.12	102.93	105.83
14	A5	802	CLA	C1D-ND-C4D	-2.12	104.83	106.33
14	A3	842	CLA	CED-O2D-CGD	2.12	120.74	115.94
14	K5	101	CLA	CHD-C4C-C3C	-2.12	121.72	124.84
14	A2	1618	CLA	CAC-C3C-C4C	2.12	127.56	124.81
14	A6	1608	CLA	C3D-C4D-ND	2.12	113.67	110.24
14	J6	1103	CLA	C3D-C4D-ND	2.12	113.67	110.24
16	B3	1849	BCR	C30-C25-C26	-2.12	119.62	122.61
14	A1	832	CLA	CMB-C2B-C3B	2.12	128.65	124.68
16	J5	105	BCR	C37-C22-C23	2.12	121.42	118.08
14	B4	829	CLA	O2A-CGA-O1A	-2.12	118.24	123.59
14	B1	809	CLA	CED-O2D-CGD	2.12	120.74	115.94
14	B3	1837	CLA	O2A-CGA-CBA	2.12	120.85	114.03
14	A4	820	CLA	CHD-C1D-ND	-2.12	122.50	124.45
14	A3	804	CLA	CAC-C3C-C4C	2.12	127.56	124.81
14	B1	806	CLA	CHB-C4A-NA	2.12	127.45	124.51
14	A2	1616	CLA	O2A-CGA-CBA	2.12	120.85	114.03
14	B3	1822	CLA	C3D-C2D-C1D	-2.12	102.94	105.83
14	A6	1616	CLA	C1C-C2C-C3C	-2.12	104.73	106.96
16	A1	847	BCR	C1-C6-C5	-2.12	119.63	122.61
14	A3	830	CLA	CMC-C2C-C1C	2.12	128.27	125.04
14	A4	810	CLA	CMC-C2C-C1C	2.12	128.27	125.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A5	817	CLA	CMC-C2C-C1C	2.12	128.27	125.04
14	B1	822	CLA	C2D-C1D-ND	2.12	111.67	110.10
16	A5	847	BCR	C40-C30-C25	2.12	113.74	110.30
14	A3	836	CLA	CMB-C2B-C3B	2.12	128.65	124.68
14	B2	816	CLA	C3D-C4D-ND	2.12	113.67	110.24
14	A1	807	CLA	O1D-CGD-CBD	-2.12	120.14	124.48
14	B4	803	CLA	C12-C11-C10	-2.12	103.50	113.24
16	B3	1849	BCR	C37-C22-C23	2.12	121.42	118.08
14	A1	827	CLA	C1C-C2C-C3C	-2.12	104.73	106.96
14	A2	1618	CLA	C1C-C2C-C3C	-2.12	104.73	106.96
14	A2	1645	CLA	O2A-CGA-CBA	2.12	120.84	114.03
14	A1	839	CLA	CHB-C4A-NA	2.12	127.44	124.51
14	M2	1201	CLA	C3B-C4B-NB	2.12	111.95	109.21
14	B3	1823	CLA	O1D-CGD-CBD	-2.12	120.15	124.48
14	B3	1811	CLA	C7-C6-C5	-2.12	107.60	113.36
14	J3	101	CLA	C3D-C2D-C1D	-2.12	102.94	105.83
14	B6	832	CLA	C12-C11-C10	-2.12	103.50	113.24
14	A4	806	CLA	CMC-C2C-C1C	2.12	128.27	125.04
14	B1	833	CLA	O1D-CGD-CBD	-2.12	120.15	124.48
14	B1	823	CLA	CAC-C3C-C4C	2.12	127.56	124.81
14	A2	1624	CLA	C3D-C4D-ND	2.12	113.67	110.24
14	L4	201	CLA	C1C-C2C-C3C	-2.12	104.73	106.96
14	A1	804	CLA	CAA-C2A-C3A	-2.12	106.97	112.78
14	A3	829	CLA	C3B-C4B-NB	2.12	111.95	109.21
14	K4	1401	CLA	CMC-C2C-C1C	2.12	128.27	125.04
14	J6	1103	CLA	CMC-C2C-C1C	2.12	128.27	125.04
14	B5	1811	CLA	CMC-C2C-C1C	2.12	128.27	125.04
14	A3	823	CLA	C3D-C4D-ND	2.12	113.67	110.24
14	B6	804	CLA	CBC-CAC-C3C	-2.12	106.59	112.43
14	B3	1808	CLA	CAC-C3C-C4C	2.12	127.56	124.81
16	B2	846	BCR	C15-C16-C17	-2.12	119.13	123.47
14	B2	837	CLA	C3C-C4C-NC	2.12	112.95	110.57
14	B3	1822	CLA	C3C-C4C-NC	2.12	112.95	110.57
14	A2	1615	CLA	CHD-C4C-C3C	-2.12	121.73	124.84
14	B2	805	CLA	CHD-C4C-C3C	-2.12	121.73	124.84
14	A3	812	CLA	CHD-C4C-C3C	-2.12	121.73	124.84
14	B2	814	CLA	O2A-CGA-CBA	2.12	120.83	114.03
16	B3	1848	BCR	C36-C18-C19	2.12	121.41	118.08
14	B5	1828	CLA	C3B-C4B-NB	2.12	111.95	109.21
14	A4	840	CLA	C12-C11-C10	-2.12	103.51	113.24
16	L6	204	BCR	C2-C1-C6	2.12	113.74	110.48
14	A3	845	CLA	CHD-C1D-ND	-2.12	122.51	124.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B4	816	CLA	CHD-C1D-ND	-2.12	122.51	124.45
14	B6	813	CLA	CHD-C1D-ND	-2.12	122.51	124.45
14	A5	821	CLA	CHD-C1D-ND	-2.12	122.51	124.45
14	B6	828	CLA	C4-C3-C5	-2.12	111.71	115.27
14	A6	1604	CLA	O2A-CGA-O1A	-2.12	118.25	123.59
14	B1	854	CLA	C2D-C1D-ND	2.12	111.66	110.10
14	A6	1636	CLA	CHC-C1C-C2C	-2.12	120.87	126.72
14	A5	808	CLA	CBC-CAC-C3C	-2.12	106.60	112.43
14	B6	839	CLA	CMB-C2B-C3B	2.12	128.64	124.68
14	A2	1645	CLA	CHD-C4C-C3C	-2.12	121.73	124.84
14	B2	839	CLA	CHD-C1D-ND	-2.12	122.51	124.45
14	B4	818	CLA	C3D-C4D-ND	2.12	113.66	110.24
16	A3	852	BCR	C1-C6-C5	-2.12	119.63	122.61
16	B1	845	BCR	C35-C13-C12	2.12	121.41	118.08
14	B1	854	CLA	CHC-C1C-C2C	-2.12	120.87	126.72
14	K1	1401	CLA	CMC-C2C-C1C	2.12	128.26	125.04
14	B2	803	CLA	CMC-C2C-C1C	2.12	128.26	125.04
14	A5	810	CLA	CMC-C2C-C1C	2.12	128.26	125.04
14	B1	817	CLA	CAC-C3C-C4C	2.12	127.56	124.81
14	B3	1810	CLA	C3B-C4B-NB	2.12	111.94	109.21
14	A5	841	CLA	CHD-C1D-ND	-2.12	122.51	124.45
14	B5	1816	CLA	C3D-C4D-ND	2.12	113.66	110.24
14	B6	802	CLA	CMB-C2B-C3B	2.11	128.63	124.68
16	A6	1647	BCR	C1-C6-C5	-2.11	119.64	122.61
16	L6	204	BCR	C12-C13-C14	-2.11	115.70	118.94
16	L6	209	BCR	C19-C18-C17	-2.11	115.70	118.94
14	A5	806	CLA	CAA-CBA-CGA	2.11	119.43	113.25
14	A1	816	CLA	CMC-C2C-C1C	2.11	128.26	125.04
14	B5	1815	CLA	C1D-ND-C4D	-2.11	104.83	106.33
14	B1	815	CLA	CHD-C1D-ND	-2.11	122.51	124.45
14	X6	1701	CLA	CHD-C1D-ND	-2.11	122.51	124.45
14	A3	820	CLA	C2D-C1D-ND	2.11	111.66	110.10
14	A4	836	CLA	C2D-C1D-ND	2.11	111.66	110.10
14	A1	840	CLA	O2A-CGA-CBA	2.11	120.82	114.03
14	B6	805	CLA	C3D-C2D-C1D	-2.11	102.95	105.83
14	A3	833	CLA	C3D-C4D-ND	2.11	113.66	110.24
14	A5	842	CLA	CED-O2D-CGD	2.11	120.72	115.94
16	B5	1845	BCR	C34-C9-C8	2.11	121.41	118.08
16	J5	104	BCR	C19-C18-C17	-2.11	115.70	118.94
14	A1	811	CLA	O2D-CGD-O1D	-2.11	119.71	123.84
14	B3	1801	CLA	C1-C2-C3	2.11	129.70	126.04
14	B5	1817	CLA	C3D-C4D-ND	2.11	113.66	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	B2	847	BCR	C1-C6-C5	-2.11	119.64	122.61
16	A4	849	BCR	C1-C6-C5	-2.11	119.64	122.61
14	B3	1827	CLA	C3B-C4B-NB	2.11	111.94	109.21
14	A4	819	CLA	C3C-C4C-NC	2.11	112.94	110.57
14	B4	810	CLA	CHD-C1D-ND	-2.11	122.51	124.45
14	B5	1815	CLA	CHD-C1D-ND	-2.11	122.51	124.45
14	A4	833	CLA	C3D-C4D-ND	2.11	113.65	110.24
16	B5	1848	BCR	C35-C13-C12	2.11	119.27	114.60
14	A1	837	CLA	CMC-C2C-C1C	2.11	128.25	125.04
14	B2	828	CLA	CHD-C4C-C3C	-2.11	121.74	124.84
14	A4	840	CLA	O2A-CGA-O1A	-2.11	118.26	123.59
16	A2	1648	BCR	C33-C5-C6	2.11	126.90	124.53
16	A3	850	BCR	C33-C5-C6	2.11	126.90	124.53
14	B1	815	CLA	C3D-C4D-ND	2.11	113.65	110.24
14	B2	833	CLA	C3D-C4D-ND	2.11	113.65	110.24
14	A6	1641	CLA	O2A-CGA-CBA	2.11	120.81	114.03
14	B1	811	CLA	C7-C6-C5	-2.11	107.62	113.36
14	M2	1201	CLA	O2A-CGA-O1A	-2.11	118.26	123.59
14	B3	1820	CLA	CHD-C4C-C3C	-2.11	121.74	124.84
14	B3	1827	CLA	CHD-C4C-C3C	-2.11	121.74	124.84
14	J5	102	CLA	CHD-C4C-C3C	-2.11	121.74	124.84
14	B4	818	CLA	CAC-C3C-C4C	2.11	127.55	124.81
16	B1	847	BCR	C34-C9-C8	2.11	121.40	118.08
14	L1	207	CLA	C4A-NA-C1A	2.11	107.66	106.71
14	B2	827	CLA	C3D-C4D-ND	2.11	113.65	110.24
14	A6	1602	CLA	CGD-CBD-CAD	2.11	117.57	110.73
14	B2	828	CLA	C3D-C2D-C1D	-2.11	102.95	105.83
14	B1	835	CLA	O2D-CGD-O1D	-2.11	119.71	123.84
14	B2	805	CLA	CAC-C3C-C4C	2.11	127.55	124.81
14	B2	802	CLA	C9-C8-C10	2.11	118.93	111.29
14	B5	1819	CLA	C3D-C4D-ND	2.11	113.65	110.24
14	B6	807	CLA	C1D-ND-C4D	-2.11	104.84	106.33
14	B1	836	CLA	CHD-C1D-ND	-2.11	122.52	124.45
14	B4	838	CLA	CHD-C1D-ND	-2.11	122.52	124.45
14	B2	828	CLA	O2A-CGA-O1A	-2.11	118.27	123.59
14	A1	834	CLA	C1C-C2C-C3C	-2.11	104.74	106.96
14	B1	815	CLA	C1-C2-C3	2.11	129.69	126.04
16	A5	845	BCR	C33-C5-C4	-2.11	109.56	113.62
14	B5	1836	CLA	CHD-C4C-C3C	-2.11	121.74	124.84
14	A1	838	CLA	C12-C11-C10	-2.11	103.55	113.24
14	A2	1620	CLA	CMB-C2B-C3B	2.11	128.62	124.68
14	B2	816	CLA	CAC-C3C-C4C	2.11	127.55	124.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B5	1811	CLA	C7-C6-C5	-2.11	107.63	113.36
14	B5	1841	CLA	CED-O2D-CGD	2.11	120.71	115.94
14	B1	810	CLA	C3B-C4B-NB	2.11	111.94	109.21
14	B5	1842	CLA	C3B-C4B-NB	2.11	111.94	109.21
14	B4	831	CLA	CMC-C2C-C1C	2.11	128.25	125.04
14	A2	1636	CLA	C4-C3-C5	2.11	118.82	115.27
14	B4	837	CLA	O2A-CGA-CBA	2.11	120.81	114.03
16	A4	847	BCR	C36-C18-C19	2.11	121.40	118.08
14	A4	802	CLA	CHD-C4C-C3C	-2.11	121.74	124.84
14	A3	820	CLA	C1C-C2C-C3C	-2.11	104.74	106.96
14	B4	817	CLA	C3D-C4D-ND	2.11	113.65	110.24
14	A1	803	CLA	C12-C11-C10	-2.11	106.16	113.62
16	B4	849	BCR	C30-C25-C24	2.11	121.74	115.78
14	A1	829	CLA	O2A-CGA-O1A	-2.11	118.27	123.59
14	B2	807	CLA	CHB-C4A-NA	2.11	127.43	124.51
14	A2	1612	CLA	CMB-C2B-C3B	2.11	128.62	124.68
14	B1	853	CLA	CMC-C2C-C1C	2.11	128.25	125.04
16	A2	1652	BCR	C34-C9-C8	2.11	121.40	118.08
14	B5	1812	CLA	CHC-C1C-C2C	-2.11	120.89	126.72
14	A5	802	CLA	C3D-C2D-C1D	-2.11	102.95	105.83
14	A2	1619	CLA	CMB-C2B-C3B	2.11	128.62	124.68
14	A5	818	CLA	O2A-CGA-O1A	-2.11	118.27	123.59
14	B4	808	CLA	CAC-C3C-C4C	2.11	127.55	124.81
14	A2	1624	CLA	C3C-C4C-NC	2.11	112.94	110.57
16	B1	844	BCR	C37-C22-C23	2.11	121.40	118.08
14	B2	821	CLA	CHD-C4C-C3C	-2.11	121.74	124.84
14	J4	102	CLA	CHD-C4C-C3C	-2.11	121.74	124.84
14	A5	812	CLA	CHD-C4C-C3C	-2.11	121.74	124.84
14	A2	1626	CLA	C2D-C1D-ND	2.11	111.66	110.10
14	B6	805	CLA	C2D-C1D-ND	2.11	111.66	110.10
14	B2	809	CLA	C1D-ND-C4D	-2.11	104.84	106.33
14	B2	823	CLA	CMC-C2C-C1C	2.11	128.25	125.04
14	B5	1808	CLA	C11-C10-C8	2.11	122.73	115.92
16	B3	1846	BCR	C37-C22-C23	2.11	121.40	118.08
14	B1	802	CLA	C1C-C2C-C3C	-2.11	104.74	106.96
16	B6	847	BCR	C1-C6-C5	-2.11	119.65	122.61
14	J4	102	CLA	C3D-C2D-C1D	-2.11	102.96	105.83
14	B5	1821	CLA	CHD-C1D-ND	-2.11	122.52	124.45
14	A3	838	CLA	C11-C10-C8	2.11	122.73	115.92
16	B4	846	BCR	C35-C13-C12	2.11	121.40	118.08
14	A4	816	CLA	C4A-NA-C1A	2.11	107.65	106.71
14	A2	1643	CLA	CAC-C3C-C4C	2.11	127.54	124.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A1	828	CLA	C3B-C4B-NB	2.11	111.93	109.21
14	A2	1604	CLA	C1C-C2C-C3C	-2.11	104.74	106.96
14	B3	1837	CLA	C2D-C1D-ND	2.11	111.66	110.10
14	A3	803	CLA	C1D-ND-C4D	-2.11	104.84	106.33
14	A4	802	CLA	C1D-ND-C4D	-2.11	104.84	106.33
14	B1	808	CLA	CHD-C4C-C3C	-2.11	121.75	124.84
14	K5	101	CLA	CHD-C1D-ND	-2.11	122.52	124.45
14	A6	1622	CLA	CMB-C2B-C3B	2.11	128.62	124.68
14	A5	808	CLA	C3D-C4D-ND	2.11	113.64	110.24
14	A2	1606	CLA	CMC-C2C-C1C	2.11	128.25	125.04
16	A1	842	BCR	C33-C5-C4	-2.11	109.57	113.62
16	F6	201	BCR	C32-C1-C6	2.10	113.71	110.30
14	A5	835	CLA	O2A-CGA-CBA	2.10	120.79	114.03
14	B1	838	CLA	C1-C2-C3	2.10	129.68	126.04
16	F1	1302	BCR	C37-C22-C23	2.10	121.39	118.08
14	B4	811	CLA	C3D-C2D-C1D	-2.10	102.96	105.83
14	B5	1811	CLA	CHD-C1D-ND	-2.10	122.52	124.45
14	A5	815	CLA	O1D-CGD-CBD	-2.10	120.18	124.48
16	B6	845	BCR	C38-C26-C27	-2.10	109.57	113.62
14	B1	840	CLA	C3D-C4D-ND	2.10	113.64	110.24
14	B6	803	CLA	C3D-C4D-ND	2.10	113.64	110.24
14	B3	1838	CLA	CMC-C2C-C1C	2.10	128.24	125.04
14	B4	837	CLA	CMC-C2C-C1C	2.10	128.24	125.04
14	A3	814	CLA	CMB-C2B-C3B	2.10	128.61	124.68
14	A2	1614	CLA	CHD-C4C-C3C	-2.10	121.75	124.84
14	A5	831	CLA	C3C-C4C-NC	2.10	112.93	110.57
14	B4	823	CLA	CHD-C1D-ND	-2.10	122.52	124.45
16	A2	1650	BCR	C33-C5-C6	2.10	126.89	124.53
14	A3	808	CLA	C3D-C4D-ND	2.10	113.64	110.24
16	B4	849	BCR	C37-C22-C23	2.10	121.39	118.08
14	L3	204	CLA	CAC-C3C-C4C	2.10	127.54	124.81
14	A5	815	CLA	CAC-C3C-C4C	2.10	127.54	124.81
14	A2	1642	CLA	CMC-C2C-C1C	2.10	128.24	125.04
14	B4	835	CLA	CED-O2D-CGD	2.10	120.69	115.94
14	B6	826	CLA	C7-C6-C5	-2.10	107.65	113.36
14	J6	1102	CLA	C3D-C2D-C1D	-2.10	102.96	105.83
14	B4	823	CLA	O1D-CGD-CBD	-2.10	120.18	124.48
16	A2	1652	BCR	C12-C13-C14	-2.10	115.71	118.94
14	A5	801	CLA	CHB-C4A-NA	2.10	127.42	124.51
14	A6	1619	CLA	CHD-C4C-C3C	-2.10	121.75	124.84
14	B5	1815	CLA	CHD-C4C-C3C	-2.10	121.75	124.84
14	B1	827	CLA	C4C-C3C-C2C	-2.10	103.83	106.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B6	840	CLA	C12-C11-C10	-2.10	103.58	113.24
16	A1	844	BCR	C36-C18-C19	2.10	121.39	118.08
14	B2	824	CLA	C3D-C2D-C1D	-2.10	102.96	105.83
14	B1	820	CLA	CMB-C2B-C3B	2.10	128.61	124.68
14	A2	1624	CLA	O1D-CGD-CBD	-2.10	120.18	124.48
14	B4	803	CLA	C2D-C1D-ND	2.10	111.65	110.10
14	L5	202	CLA	O2A-CGA-O1A	-2.10	118.06	123.30
14	B4	812	CLA	CHC-C1C-C2C	-2.10	120.91	126.72
14	A3	842	CLA	CAC-C3C-C4C	2.10	127.54	124.81
14	B3	1839	CLA	C3D-C2D-C1D	-2.10	102.96	105.83
14	B4	833	CLA	CMB-C2B-C3B	2.10	128.61	124.68
14	A3	833	CLA	CHC-C1C-C2C	-2.10	120.91	126.72
14	A3	823	CLA	CED-O2D-CGD	2.10	120.69	115.94
14	A5	828	CLA	CED-O2D-CGD	2.10	120.69	115.94
14	B1	821	CLA	CHD-C1D-ND	-2.10	122.52	124.45
14	L2	202	CLA	O2D-CGD-O1D	-2.10	119.73	123.84
14	B3	1804	CLA	CBC-CAC-C3C	-2.10	106.64	112.43
14	B6	802	CLA	C3D-C2D-C1D	-2.10	102.96	105.83
14	A2	1603	CLA	CHD-C4C-C3C	-2.10	121.75	124.84
14	B4	806	CLA	C3B-C4B-NB	2.10	111.93	109.21
14	B5	1812	CLA	C2D-C1D-ND	2.10	111.65	110.10
14	B1	814	CLA	O2A-CGA-O1A	-2.10	118.29	123.59
14	B6	840	CLA	C3D-C4D-ND	2.10	113.64	110.24
16	B4	847	BCR	C34-C9-C8	2.10	121.39	118.08
14	A1	828	CLA	C3D-C2D-C1D	-2.10	102.97	105.83
14	L2	205	CLA	C12-C11-C10	-2.10	103.59	113.24
14	A3	818	CLA	CMB-C2B-C3B	2.10	128.61	124.68
14	B5	1803	CLA	CMC-C2C-C1C	2.10	128.24	125.04
14	B6	838	CLA	C3C-C4C-NC	2.10	112.93	110.57
16	F4	203	BCR	C40-C30-C25	2.10	113.70	110.30
14	B4	814	CLA	CHD-C4C-C3C	-2.10	121.75	124.84
14	J6	1102	CLA	CHD-C4C-C3C	-2.10	121.75	124.84
14	B2	806	CLA	CAC-C3C-C4C	2.10	127.53	124.81
14	B5	1803	CLA	C3D-C2D-C1D	-2.10	102.97	105.83
14	B4	819	CLA	CHB-C4A-NA	2.10	127.42	124.51
14	A5	840	CLA	C3B-C4B-NB	2.10	111.92	109.21
14	X2	1701	CLA	C2D-C1D-ND	2.10	111.65	110.10
14	A4	802	CLA	CHD-C1D-ND	-2.10	122.53	124.45
14	B3	1821	CLA	C3D-C4D-ND	2.10	113.63	110.24
16	B1	844	BCR	C33-C5-C4	-2.10	109.58	113.62
14	A5	812	CLA	O2A-CGA-O1A	-2.10	118.30	123.59
14	B1	819	CLA	CHD-C4C-C3C	-2.10	121.75	124.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B1	807	CLA	CED-O2D-CGD	2.10	120.68	115.94
14	A1	811	CLA	CAC-C3C-C4C	2.10	127.53	124.81
14	J5	102	CLA	CMC-C2C-C1C	2.10	128.24	125.04
14	K2	1401	CLA	O2D-CGD-O1D	-2.10	119.73	123.84
14	A1	806	CLA	C3D-C4D-ND	2.10	113.63	110.24
14	B4	831	CLA	O2A-CGA-O1A	-2.10	118.30	123.59
14	B5	1830	CLA	C4A-NA-C1A	2.10	107.65	106.71
14	A3	837	CLA	CHC-C1C-C2C	-2.10	120.92	126.72
14	J3	102	CLA	CMC-C2C-C1C	2.10	128.23	125.04
14	A3	820	CLA	C3C-C4C-NC	2.10	112.92	110.57
14	A2	1624	CLA	C3D-C2D-C1D	-2.10	102.97	105.83
16	B3	1846	BCR	C33-C5-C6	2.10	126.88	124.53
14	B5	1840	CLA	CHB-C4A-NA	2.10	127.41	124.51
16	A3	856	BCR	C1-C6-C5	-2.10	119.66	122.61
14	A6	1624	CLA	CMB-C2B-C3B	2.10	128.60	124.68
14	A4	842	CLA	O2A-CGA-CBA	2.10	120.77	114.03
14	A5	839	CLA	C3D-C4D-ND	2.10	113.63	110.24
14	L6	202	CLA	C1-C2-C3	2.10	129.67	126.04
14	B5	1828	CLA	C7-C6-C5	-2.10	107.67	113.36
14	A1	813	CLA	C3D-C2D-C1D	-2.10	102.97	105.83
14	A1	840	CLA	CAC-C3C-C4C	2.10	127.53	124.81
16	B2	844	BCR	C35-C13-C12	2.10	121.38	118.08
16	B5	1848	BCR	C38-C26-C25	2.10	126.88	124.53
14	B6	805	CLA	C1B-CHB-C4A	-2.10	125.97	130.12
14	B4	808	CLA	CHD-C4C-C3C	-2.10	121.76	124.84
14	B4	820	CLA	O2A-CGA-O1A	-2.10	118.30	123.59
14	A6	1633	CLA	CMC-C2C-C1C	2.10	128.23	125.04
14	B6	808	CLA	C3D-C2D-C1D	-2.10	102.97	105.83
16	A2	1649	BCR	C36-C18-C19	2.10	121.38	118.08
14	A1	812	CLA	O2A-CGA-O1A	-2.10	118.30	123.59
14	B1	854	CLA	O2A-CGA-O1A	-2.10	118.30	123.59
14	B3	1822	CLA	O2A-CGA-O1A	-2.10	118.30	123.59
14	A2	1630	CLA	CED-O2D-CGD	2.10	120.68	115.94
14	B2	832	CLA	CAC-C3C-C4C	2.10	127.53	124.81
14	A5	834	CLA	C4-C3-C5	2.10	118.80	115.27
14	A1	802	CLA	CHD-C4C-C3C	-2.10	121.76	124.84
14	A1	840	CLA	CHD-C4C-C3C	-2.10	121.76	124.84
14	A1	809	CLA	CMC-C2C-C1C	2.10	128.23	125.04
14	A4	830	CLA	C3D-C4D-ND	2.10	113.63	110.24
14	B4	836	CLA	C3D-C4D-ND	2.10	113.63	110.24
14	B4	843	CLA	C4C-C3C-C2C	-2.10	103.84	106.90
14	A3	828	CLA	C4A-NA-C1A	2.10	107.65	106.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B3	1812	CLA	CHC-C1C-C2C	-2.10	120.93	126.72
14	B6	810	CLA	CHC-C1C-C2C	-2.10	120.93	126.72
14	A2	1606	CLA	C2D-C1D-ND	2.10	111.65	110.10
14	B5	1828	CLA	C2D-C1D-ND	2.10	111.65	110.10
16	J6	1105	BCR	C12-C13-C14	-2.10	115.73	118.94
14	B4	813	CLA	O2A-CGA-O1A	-2.10	118.08	123.30
14	A1	822	CLA	C3D-C2D-C1D	-2.09	102.97	105.83
14	A4	830	CLA	O2A-CGA-O1A	-2.09	118.31	123.59
14	B6	837	CLA	CED-O2D-CGD	2.09	120.67	115.94
14	A3	830	CLA	C3D-C4D-ND	2.09	113.63	110.24
14	J5	101	CLA	CMB-C2B-C3B	2.09	128.60	124.68
16	J6	1105	BCR	C19-C18-C17	-2.09	115.73	118.94
16	L5	207	BCR	C19-C18-C17	-2.09	115.73	118.94
16	B2	845	BCR	C35-C13-C12	2.09	119.23	114.60
14	A1	824	CLA	O1D-CGD-CBD	-2.09	120.20	124.48
14	B1	840	CLA	O2A-CGA-O1A	-2.09	118.31	123.59
14	A4	826	CLA	CAC-C3C-C4C	2.09	127.53	124.81
14	A3	805	CLA	CHD-C4C-C3C	-2.09	121.76	124.84
14	A2	1607	CLA	C3B-C4B-NB	2.09	111.92	109.21
14	B4	828	CLA	C3B-C4B-NB	2.09	111.92	109.21
14	A6	1620	CLA	C2D-C1D-ND	2.09	111.65	110.10
16	M4	101	BCR	C32-C1-C6	2.09	113.69	110.30
14	M2	1201	CLA	CBC-CAC-C3C	-2.09	106.66	112.43
14	B6	819	CLA	CHD-C1D-ND	-2.09	122.53	124.45
14	X5	101	CLA	CHD-C1D-ND	-2.09	122.53	124.45
14	B5	1805	CLA	C3D-C2D-C1D	-2.09	102.97	105.83
14	L5	204	CLA	CAC-C3C-C4C	2.09	127.53	124.81
14	A6	1632	CLA	CHC-C1C-C2C	-2.09	120.93	126.72
14	A5	828	CLA	C4A-NA-C1A	2.09	107.65	106.71
14	B1	818	CLA	O2A-CGA-O1A	-2.09	118.31	123.59
14	B6	804	CLA	C3D-C2D-C1D	-2.09	102.97	105.83
14	B4	832	CLA	C1C-C2C-C3C	-2.09	104.76	106.96
14	B3	1832	CLA	C3C-C4C-NC	2.09	112.92	110.57
14	B4	832	CLA	O1D-CGD-CBD	-2.09	120.20	124.48
14	A3	824	CLA	CHD-C4C-C3C	-2.09	121.76	124.84
14	A1	812	CLA	CHD-C1D-ND	-2.09	122.53	124.45
14	M2	1201	CLA	CMB-C2B-C3B	2.09	128.59	124.68
14	B4	841	CLA	CMB-C2B-C3B	2.09	128.59	124.68
14	B2	836	CLA	O2A-CGA-O1A	-2.09	118.31	123.59
14	B5	1837	CLA	O2A-CGA-O1A	-2.09	118.08	123.30
14	B2	803	CLA	C1B-CHB-C4A	-2.09	125.97	130.12
14	J1	102	CLA	CMC-C2C-C1C	2.09	128.22	125.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A2	1635	CLA	CHC-C1C-C2C	-2.09	120.94	126.72
14	A4	803	CLA	C12-C11-C10	-2.09	106.22	113.62
14	L6	203	CLA	C1C-C2C-C3C	-2.09	104.76	106.96
14	B2	809	CLA	CAA-C2A-C1A	2.09	118.83	111.97
14	A2	1626	CLA	C3D-C4D-ND	2.09	113.62	110.24
14	A6	1606	CLA	C3B-C4B-NB	2.09	111.91	109.21
14	B1	854	CLA	CAA-C2A-C1A	2.09	118.83	111.97
14	B2	840	CLA	CMB-C2B-C3B	2.09	128.59	124.68
14	A4	809	CLA	CMB-C2B-C3B	2.09	128.59	124.68
14	B1	835	CLA	CHD-C4C-C3C	-2.09	121.77	124.84
16	B1	845	BCR	C34-C9-C8	2.09	121.37	118.08
14	B3	1838	CLA	CED-O2D-CGD	2.09	120.67	115.94
16	J5	104	BCR	C12-C13-C14	-2.09	115.73	118.94
14	B2	809	CLA	CHC-C1C-C2C	-2.09	120.94	126.72
16	J5	104	BCR	C37-C22-C23	2.09	121.37	118.08
14	B1	804	CLA	C3D-C2D-C1D	-2.09	102.98	105.83
14	B4	822	CLA	CHD-C1D-ND	-2.09	122.53	124.45
14	A3	822	CLA	CMB-C2B-C3B	2.09	128.59	124.68
16	B3	1847	BCR	C38-C26-C27	-2.09	109.60	113.62
16	F3	203	BCR	C37-C22-C23	2.09	121.37	118.08
14	A4	827	CLA	C1C-C2C-C3C	-2.09	104.76	106.96
14	B3	1825	CLA	C3D-C4D-ND	2.09	113.62	110.24
14	A2	1601	CLA	C2D-C1D-ND	2.09	111.64	110.10
14	A4	835	CLA	C2D-C1D-ND	2.09	111.64	110.10
14	L6	206	CLA	O2A-CGA-O1A	-2.09	118.32	123.59
14	A5	833	CLA	CAC-C3C-C4C	2.09	127.52	124.81
14	B4	812	CLA	O2A-CGA-O1A	-2.09	118.32	123.59
14	A3	818	CLA	CHD-C1D-ND	-2.09	122.53	124.45
14	B1	819	CLA	C3C-C4C-NC	2.09	112.91	110.57
16	A2	1650	BCR	C1-C6-C5	-2.09	119.67	122.61
14	A3	815	CLA	CED-O2D-CGD	2.09	120.66	115.94
14	B4	817	CLA	O2A-CGA-CBA	2.09	120.74	114.03
14	A1	812	CLA	O1D-CGD-CBD	-2.09	120.21	124.48
16	A3	856	BCR	C12-C13-C14	-2.09	115.74	118.94
14	B4	837	CLA	C2D-C1D-ND	2.09	111.64	110.10
14	K4	1401	CLA	O2D-CGD-O1D	-2.09	119.75	123.84
14	B2	838	CLA	CMC-C2C-C1C	2.09	128.22	125.04
14	A2	1604	CLA	CHD-C4C-C3C	-2.09	121.77	124.84
14	A5	833	CLA	CED-O2D-CGD	2.09	120.66	115.94
14	A4	835	CLA	C1D-ND-C4D	-2.09	104.85	106.33
14	B6	822	CLA	C1-O2A-CGA	2.09	121.92	116.44
14	A2	1605	CLA	CMC-C2C-C1C	2.09	128.22	125.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	A1	846	BCR	C34-C9-C8	2.09	121.37	118.08
16	L4	208	BCR	C37-C22-C23	2.09	121.37	118.08
14	B2	826	CLA	O1D-CGD-CBD	-2.09	120.21	124.48
14	A3	809	CLA	CAA-C2A-C1A	2.09	118.81	111.97
14	B5	1807	CLA	CED-O2D-CGD	2.09	120.66	115.94
14	A3	835	CLA	C4-C3-C5	2.09	118.78	115.27
14	A5	825	CLA	CAC-C3C-C4C	2.09	127.52	124.81
16	B4	848	BCR	C36-C18-C19	2.09	121.36	118.08
14	L4	203	CLA	C12-C11-C10	-2.09	103.65	113.24
14	B1	824	CLA	C3D-C4D-ND	2.09	113.61	110.24
14	A3	822	CLA	C3D-C4D-ND	2.09	113.61	110.24
14	A1	831	CLA	CMB-C2B-C3B	2.09	128.58	124.68
14	A6	1613	CLA	CHD-C4C-C3C	-2.09	121.77	124.84
16	A2	1650	BCR	C38-C26-C25	2.09	126.87	124.53
14	A4	806	CLA	O2D-CGD-O1D	-2.09	119.76	123.84
16	J2	103	BCR	C37-C22-C23	2.09	121.36	118.08
16	M4	101	BCR	C35-C13-C12	2.09	121.36	118.08
14	A6	1636	CLA	C1C-C2C-C3C	-2.09	104.76	106.96
14	A1	822	CLA	CHD-C4C-C3C	-2.09	121.77	124.84
16	I4	101	BCR	C1-C6-C5	-2.09	119.68	122.61
14	B3	1810	CLA	CHB-C4A-NA	2.09	127.40	124.51
14	B4	805	CLA	CHB-C4A-NA	2.09	127.40	124.51
14	B6	833	CLA	CAC-C3C-C4C	2.09	127.52	124.81
16	A6	1646	BCR	C36-C18-C19	2.09	121.36	118.08
14	B6	812	CLA	CMB-C2B-C3B	2.09	128.58	124.68
14	A5	810	CLA	CMB-C2B-C3B	2.09	128.58	124.68
14	A3	826	CLA	CED-O2D-CGD	2.09	120.65	115.94
14	A4	829	CLA	C3D-C4D-ND	2.09	113.61	110.24
14	A5	822	CLA	O1D-CGD-CBD	-2.09	120.22	124.48
16	F3	203	BCR	C40-C30-C25	2.09	113.68	110.30
16	F6	203	BCR	C40-C30-C25	2.09	113.68	110.30
14	A1	807	CLA	C3D-C4D-ND	2.08	113.61	110.24
14	B2	824	CLA	CHD-C4C-C3C	-2.08	121.78	124.84
14	L1	207	CLA	CMB-C2B-C3B	2.08	128.58	124.68
14	B1	838	CLA	O2A-CGA-CBA	2.08	118.45	111.91
14	L2	202	CLA	C1C-C2C-C3C	-2.08	104.77	106.96
14	A2	1638	CLA	CMC-C2C-C1C	2.08	128.21	125.04
14	B6	812	CLA	CMC-C2C-C1C	2.08	128.21	125.04
14	B2	801	CLA	C3D-C2D-C1D	-2.08	102.99	105.83
14	A1	808	CLA	CAA-C2A-C1A	2.08	118.80	111.97
14	A5	824	CLA	CHD-C4C-C3C	-2.08	121.78	124.84
14	K4	1401	CLA	CED-O2D-CGD	2.08	120.65	115.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A2	1610	CLA	C3D-C4D-ND	2.08	113.61	110.24
14	B2	837	CLA	C3D-C4D-ND	2.08	113.61	110.24
14	A3	810	CLA	CMC-C2C-C1C	2.08	128.21	125.04
14	A3	810	CLA	O2A-CGA-O1A	-2.08	118.11	123.30
14	B4	808	CLA	C1D-ND-C4D	-2.08	104.86	106.33
14	A2	1635	CLA	CBC-CAC-C3C	-2.08	106.69	112.43
14	A1	840	CLA	O2A-CGA-O1A	-2.08	118.11	123.30
14	A5	812	CLA	C3C-C4C-NC	2.08	112.91	110.57
14	A1	823	CLA	C2D-C1D-ND	2.08	111.64	110.10
16	A5	846	BCR	C33-C5-C6	2.08	126.87	124.53
14	A4	834	CLA	O2A-CGA-CBA	2.08	120.72	114.03
14	L6	206	CLA	CMB-C2B-C3B	2.08	128.57	124.68
16	B1	843	BCR	C34-C9-C8	2.08	121.36	118.08
16	J4	104	BCR	C12-C13-C14	-2.08	115.75	118.94
14	A6	1625	CLA	C7-C6-C5	-2.08	107.71	113.36
14	A2	1641	CLA	O2A-CGA-O1A	-2.08	118.34	123.59
16	A4	846	BCR	C30-C25-C26	-2.08	119.68	122.61
16	B5	1849	BCR	C34-C9-C8	2.08	121.36	118.08
16	F5	1302	BCR	C36-C18-C19	2.08	121.36	118.08
14	B6	819	CLA	C3D-C4D-ND	2.08	113.60	110.24
14	A4	828	CLA	C3D-C2D-C1D	-2.08	102.99	105.83
14	B4	836	CLA	CAC-C3C-C4C	2.08	127.51	124.81
14	A1	832	CLA	C1-C2-C3	2.08	129.64	126.04
14	B6	822	CLA	C10-C8-C9	2.08	120.11	110.51
16	F1	1302	BCR	C30-C25-C26	-2.08	119.68	122.61
14	K5	102	CLA	CED-O2D-CGD	2.08	120.64	115.94
14	B4	817	CLA	CHD-C1D-ND	-2.08	122.54	124.45
14	A2	1626	CLA	CHD-C4C-C3C	-2.08	121.78	124.84
14	A1	834	CLA	C3D-C2D-C1D	-2.08	102.99	105.83
14	A4	811	CLA	C2D-C1D-ND	2.08	111.64	110.10
14	A3	801	CLA	CAC-C3C-C4C	2.08	127.51	124.81
14	B3	1802	CLA	CAC-C3C-C4C	2.08	127.51	124.81
14	J5	101	CLA	O2A-CGA-CBA	2.08	120.71	114.03
14	A3	839	CLA	O2D-CGD-O1D	-2.08	119.77	123.84
14	B5	1821	CLA	C3D-C4D-ND	2.08	113.60	110.24
14	B6	829	CLA	CHD-C4C-C3C	-2.08	121.78	124.84
14	A5	806	CLA	CHD-C4C-C3C	-2.08	121.78	124.84
14	B5	1814	CLA	CHD-C4C-C3C	-2.08	121.78	124.84
14	A4	822	CLA	O2D-CGD-O1D	-2.08	119.77	123.84
14	A4	821	CLA	C3D-C2D-C1D	-2.08	102.99	105.83
14	A1	830	CLA	CMC-C2C-C1C	2.08	128.21	125.04
14	A5	830	CLA	CMC-C2C-C1C	2.08	128.21	125.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B5	1839	CLA	O1D-CGD-CBD	-2.08	120.23	124.48
14	A6	1603	CLA	CAC-C3C-C4C	2.08	127.51	124.81
16	L3	201	BCR	C37-C22-C23	2.08	121.35	118.08
14	J4	101	CLA	CMB-C2B-C3B	2.08	128.57	124.68
14	B3	1803	CLA	CHB-C4A-NA	2.08	127.39	124.51
19	B2	848	LMG	O7-C10-C11	2.08	115.98	111.50
14	A2	1612	CLA	CMC-C2C-C1C	2.08	128.21	125.04
14	B3	1827	CLA	C2D-C1D-ND	2.08	111.64	110.10
16	A3	852	BCR	C12-C13-C14	-2.08	115.75	118.94
14	A1	833	CLA	O2A-CGA-CBA	2.08	120.71	114.03
14	B3	1836	CLA	C3C-C4C-NC	2.08	112.90	110.57
14	B1	801	CLA	C6-C5-C3	-2.08	108.00	113.45
16	M4	101	BCR	C12-C13-C14	-2.08	115.75	118.94
14	B1	813	CLA	O2A-CGA-O1A	-2.08	118.12	123.30
14	M6	1201	CLA	O2A-CGA-O1A	-2.08	118.35	123.59
16	B5	1847	BCR	C28-C27-C26	2.08	117.79	114.08
14	B6	808	CLA	C3B-C4B-NB	2.08	111.90	109.21
14	A2	1635	CLA	C1C-C2C-C3C	-2.08	104.77	106.96
14	J6	1101	CLA	CMB-C2B-C3B	2.08	128.56	124.68
14	A1	805	CLA	CMB-C2B-C1B	-2.08	125.27	128.46
14	B6	838	CLA	O2A-CGA-O1A	-2.08	118.35	123.59
14	A1	826	CLA	C3D-C4D-ND	2.08	113.60	110.24
14	A3	834	CLA	C3D-C4D-ND	2.08	113.60	110.24
14	B3	1816	CLA	CAC-C3C-C4C	2.08	127.50	124.81
14	X4	102	CLA	CAC-C3C-C4C	2.08	127.50	124.81
14	A4	813	CLA	CMB-C2B-C3B	2.08	128.56	124.68
16	B4	850	BCR	C23-C22-C21	-2.08	115.75	118.94
16	I5	101	BCR	C34-C9-C8	2.08	121.35	118.08
16	B6	845	BCR	C28-C27-C26	2.08	117.78	114.08
14	B2	838	CLA	CMB-C2B-C3B	2.08	128.56	124.68
14	A1	823	CLA	CHD-C4C-C3C	-2.08	121.79	124.84
14	A2	1607	CLA	CHD-C4C-C3C	-2.08	121.79	124.84
14	B1	835	CLA	C3D-C4D-ND	2.08	113.60	110.24
14	B4	837	CLA	CMB-C2B-C1B	-2.08	125.27	128.46
14	B1	825	CLA	O1D-CGD-CBD	-2.08	120.24	124.48
16	J2	103	BCR	C24-C25-C26	-2.08	116.43	121.46
16	J1	104	BCR	C37-C22-C23	2.08	121.35	118.08
16	J6	1105	BCR	C37-C22-C23	2.08	121.35	118.08
14	B5	1803	CLA	CBC-CAC-C3C	-2.08	106.71	112.43
14	A2	1633	CLA	O2A-CGA-O1A	-2.08	118.35	123.59
14	A3	821	CLA	CHD-C4C-C3C	-2.08	121.79	124.84
14	B5	1827	CLA	CHD-C4C-C3C	-2.08	121.79	124.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A6	1628	CLA	C1C-C2C-C3C	-2.08	104.77	106.96
14	B4	814	CLA	CMC-C2C-C1C	2.08	128.20	125.04
14	B4	811	CLA	CAC-C3C-C4C	2.08	127.50	124.81
14	B5	1810	CLA	CHB-C4A-NA	2.08	127.38	124.51
14	L5	203	CLA	O2A-CGA-O1A	-2.08	118.35	123.59
14	A3	817	CLA	CMB-C2B-C3B	2.08	128.56	124.68
14	A2	1631	CLA	C3B-C4B-NB	2.08	111.89	109.21
14	A4	804	CLA	C3B-C4B-NB	2.08	111.89	109.21
14	A4	821	CLA	O1D-CGD-CBD	-2.08	120.24	124.48
14	A1	820	CLA	CHD-C1D-ND	-2.08	122.55	124.45
14	A2	1639	CLA	CMC-C2C-C1C	2.08	128.20	125.04
14	J2	101	CLA	CMB-C2B-C3B	2.07	128.56	124.68
14	A6	1625	CLA	CAC-C3C-C4C	2.07	127.50	124.81
19	B1	850	LMG	O7-C10-C11	2.07	115.97	111.50
16	B1	847	BCR	C15-C16-C17	-2.07	119.22	123.47
14	B2	836	CLA	O1D-CGD-CBD	-2.07	120.24	124.48
14	B5	1817	CLA	O2A-CGA-CBA	2.07	120.69	114.03
14	A2	1619	CLA	C3D-C4D-ND	2.07	113.59	110.24
14	A2	1614	CLA	O2A-CGA-O1A	-2.07	118.36	123.59
16	A3	849	BCR	C30-C25-C26	-2.07	119.69	122.61
14	A6	1613	CLA	O1D-CGD-CBD	-2.07	120.24	124.48
16	M3	1602	BCR	C36-C18-C19	2.07	121.34	118.08
14	B2	818	CLA	CHD-C1D-ND	-2.07	122.55	124.45
14	B3	1831	CLA	CAC-C3C-C4C	2.07	127.50	124.81
14	A5	828	CLA	C1C-C2C-C3C	-2.07	104.78	106.96
14	B3	1806	CLA	CBC-CAC-C3C	-2.07	106.71	112.43
14	A2	1609	CLA	CMC-C2C-C1C	2.07	128.20	125.04
14	B1	813	CLA	CHD-C4C-C3C	-2.07	121.79	124.84
16	F2	203	BCR	C37-C22-C23	2.07	121.34	118.08
14	B4	835	CLA	CAC-C3C-C4C	2.07	127.50	124.81
16	A6	1646	BCR	C33-C5-C6	2.07	126.86	124.53
14	A3	841	CLA	CED-O2D-CGD	2.07	120.63	115.94
16	B1	846	BCR	C35-C13-C12	2.07	119.18	114.60
14	A6	1638	CLA	C4A-NA-C1A	2.07	107.64	106.71
14	J1	102	CLA	C3D-C2D-C1D	-2.07	103.00	105.83
14	A3	813	CLA	CHD-C4C-C3C	-2.07	121.79	124.84
16	B3	1846	BCR	C1-C6-C7	2.07	121.64	115.78
14	B4	801	CLA	CHD-C4C-C3C	-2.07	121.79	124.84
16	A2	1650	BCR	C36-C18-C19	2.07	121.34	118.08
16	B4	845	BCR	C34-C9-C8	2.07	121.34	118.08
14	A5	806	CLA	CMB-C2B-C1B	-2.07	125.28	128.46
14	B5	1822	CLA	C1D-ND-C4D	-2.07	104.86	106.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B6	828	CLA	C5-C3-C2	2.07	125.31	121.12
14	B2	830	CLA	O2D-CGD-O1D	-2.07	119.79	123.84
14	B1	806	CLA	C1B-CHB-C4A	-2.07	126.01	130.12
14	A4	815	CLA	C1C-C2C-C3C	-2.07	104.78	106.96
14	A5	805	CLA	C1C-C2C-C3C	-2.07	104.78	106.96
14	A3	822	CLA	CMC-C2C-C1C	2.07	128.19	125.04
14	B5	1838	CLA	CAC-C3C-C4C	2.07	127.50	124.81
14	B3	1816	CLA	C3D-C2D-C1D	-2.07	103.00	105.83
14	B3	1825	CLA	O2A-CGA-O1A	-2.07	118.14	123.30
14	A3	806	CLA	C3B-C4B-NB	2.07	111.89	109.21
14	A5	806	CLA	C3B-C4B-NB	2.07	111.89	109.21
16	A3	852	BCR	C30-C25-C26	-2.07	119.70	122.61
14	B1	833	CLA	CMB-C2B-C3B	2.07	128.55	124.68
14	B6	835	CLA	CMC-C2C-C1C	2.07	128.19	125.04
14	K6	1401	CLA	CMC-C2C-C1C	2.07	128.19	125.04
16	M3	1602	BCR	C12-C13-C14	-2.07	115.76	118.94
16	B5	1850	BCR	C37-C22-C23	2.07	121.34	118.08
14	B2	821	CLA	CAC-C3C-C4C	2.07	127.50	124.81
14	B4	837	CLA	C3D-C2D-C1D	-2.07	103.00	105.83
14	A5	804	CLA	C3D-C2D-C1D	-2.07	103.00	105.83
14	A2	1615	CLA	C2D-C1D-ND	2.07	111.63	110.10
14	A3	813	CLA	C3B-C4B-NB	2.07	111.89	109.21
14	A5	822	CLA	C3C-C4C-NC	2.07	112.89	110.57
14	A1	822	CLA	CED-O2D-CGD	2.07	120.62	115.94
14	A6	1602	CLA	OBD-CAD-C3D	2.07	133.50	128.52
14	B3	1827	CLA	O2A-CGA-CBA	2.07	120.41	112.23
14	A3	811	CLA	CAC-C3C-C4C	2.07	127.50	124.81
14	B3	1836	CLA	CAC-C3C-C4C	2.07	127.50	124.81
14	A5	811	CLA	C3D-C4D-ND	2.07	113.59	110.24
16	A1	843	BCR	C30-C25-C26	-2.07	119.70	122.61
14	L1	202	CLA	C1C-C2C-C3C	-2.07	104.78	106.96
14	B2	801	CLA	CBC-CAC-C3C	-2.07	106.72	112.43
14	L2	202	CLA	CMC-C2C-C1C	2.07	128.19	125.04
14	A4	803	CLA	CHD-C1D-ND	-2.07	122.55	124.45
14	B1	835	CLA	C3C-C4C-NC	2.07	112.89	110.57
16	J5	104	BCR	C33-C5-C6	2.07	126.85	124.53
14	A1	821	CLA	O2A-CGA-O1A	-2.07	118.37	123.59
16	B4	848	BCR	C35-C13-C12	2.07	119.17	114.60
14	L5	205	CLA	CAC-C3C-C4C	2.07	127.50	124.81
14	B2	801	CLA	C2D-C1D-ND	2.07	111.63	110.10
14	B4	821	CLA	C2D-C1D-ND	2.07	111.63	110.10
14	A3	822	CLA	O1D-CGD-CBD	-2.07	120.25	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B6	811	CLA	O2A-CGA-CBA	2.07	120.68	114.03
14	B1	826	CLA	C3B-C4B-NB	2.07	111.89	109.21
14	B1	816	CLA	O2A-CGA-CBA	2.07	120.68	114.03
14	B2	819	CLA	C3D-C2D-C1D	-2.07	103.01	105.83
14	A2	1620	CLA	CHD-C1D-ND	-2.07	122.55	124.45
14	A1	817	CLA	CMB-C2B-C3B	2.07	128.55	124.68
16	B4	849	BCR	C15-C16-C17	-2.07	119.24	123.47
14	A2	1642	CLA	C3B-C4B-NB	2.07	111.88	109.21
14	B1	827	CLA	C12-C11-C10	-2.07	103.73	113.24
14	A6	1603	CLA	CHD-C4C-C3C	-2.07	121.80	124.84
14	A3	806	CLA	C4-C3-C5	2.07	118.75	115.27
14	A3	811	CLA	CMB-C2B-C3B	2.07	128.55	124.68
14	A2	1639	CLA	C3D-C2D-C1D	-2.07	103.01	105.83
14	B2	837	CLA	C3D-C2D-C1D	-2.07	103.01	105.83
14	K6	1401	CLA	O2D-CGD-O1D	-2.07	119.80	123.84
14	B6	839	CLA	CAC-C3C-C4C	2.07	127.49	124.81
16	F6	203	BCR	C37-C22-C23	2.07	121.33	118.08
14	B3	1837	CLA	CMC-C2C-C1C	2.07	128.19	125.04
14	A2	1642	CLA	C4-C3-C5	2.07	118.35	115.98
14	B2	821	CLA	C3B-C4B-NB	2.07	111.88	109.21
14	A1	829	CLA	C3D-C4D-ND	2.07	113.58	110.24
14	B6	802	CLA	CHD-C4C-C3C	-2.07	121.80	124.84
14	A6	1626	CLA	CHB-C4A-NA	2.07	127.37	124.51
16	B4	846	BCR	C23-C22-C21	-2.07	115.77	118.94
14	B6	808	CLA	CAC-C3C-C4C	2.07	127.49	124.81
14	B6	835	CLA	O2A-CGA-O1A	-2.07	118.15	123.30
14	B6	836	CLA	O2A-CGA-O1A	-2.07	118.15	123.30
19	B6	848	LMG	O7-C10-C11	2.07	115.95	111.50
14	B6	821	CLA	O1D-CGD-CBD	-2.07	120.25	124.48
14	B5	1830	CLA	CHD-C4C-C3C	-2.07	121.80	124.84
16	A3	852	BCR	C34-C9-C10	-2.07	120.03	122.92
14	B1	835	CLA	C2D-C1D-ND	2.07	111.63	110.10
14	B3	1809	CLA	C2D-C1D-ND	2.07	111.63	110.10
14	A1	808	CLA	CMC-C2C-C1C	2.07	128.19	125.04
14	A1	814	CLA	O2D-CGD-O1D	-2.07	119.80	123.84
14	B1	825	CLA	CAC-C3C-C4C	2.07	127.49	124.81
14	A3	815	CLA	CAC-C3C-C4C	2.07	127.49	124.81
14	L3	203	CLA	CMB-C2B-C3B	2.07	128.54	124.68
14	A5	833	CLA	C1C-C2C-C3C	-2.07	104.78	106.96
14	L1	202	CLA	CED-O2D-CGD	2.07	120.61	115.94
14	B3	1842	CLA	C3B-C4B-NB	2.07	111.88	109.21
14	A3	828	CLA	O2A-CGA-O1A	-2.07	118.38	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B2	811	CLA	O2A-CGA-O1A	-2.07	118.15	123.30
14	B6	826	CLA	C4C-C3C-C2C	-2.07	103.89	106.90
14	A2	1632	CLA	C3D-C4D-ND	2.07	113.58	110.24
14	A6	1620	CLA	O2A-CGA-O1A	-2.07	118.38	123.59
14	M1	1201	CLA	CAC-C3C-C4C	2.07	127.49	124.81
14	A3	829	CLA	CAC-C3C-C4C	2.07	127.49	124.81
14	B4	824	CLA	CAC-C3C-C4C	2.07	127.49	124.81
14	A6	1601	CLA	C2D-C1D-ND	2.07	111.63	110.10
14	B6	826	CLA	C3B-C4B-NB	2.07	111.88	109.21
14	B1	836	CLA	CMC-C2C-C1C	2.07	128.18	125.04
14	A3	801	CLA	CGD-CBD-CAD	2.07	117.42	110.73
14	B2	820	CLA	C1D-ND-C4D	-2.07	104.87	106.33
14	B5	1824	CLA	C3D-C4D-ND	2.07	113.58	110.24
16	B2	844	BCR	C34-C9-C8	2.06	121.33	118.08
14	A6	1637	CLA	CMC-C2C-C1C	2.06	128.18	125.04
16	J1	104	BCR	C24-C25-C26	-2.06	116.46	121.46
14	B1	840	CLA	CED-O2D-CGD	2.06	120.61	115.94
14	B3	1807	CLA	CED-O2D-CGD	2.06	120.61	115.94
14	B4	820	CLA	CHD-C4C-C3C	-2.06	121.81	124.84
14	B3	1832	CLA	CAC-C3C-C4C	2.06	127.49	124.81
14	A1	827	CLA	C2D-C1D-ND	2.06	111.62	110.10
16	B1	849	BCR	C8-C9-C10	-2.06	115.77	118.94
14	A1	831	CLA	CHC-C1C-C2C	-2.06	121.01	126.72
16	B2	844	BCR	C40-C30-C25	2.06	113.65	110.30
14	A4	814	CLA	CED-O2D-CGD	2.06	120.60	115.94
14	A1	832	CLA	C4-C3-C5	2.06	118.74	115.27
14	B4	807	CLA	C1C-C2C-C3C	-2.06	104.79	106.96
14	A5	818	CLA	CMB-C2B-C3B	2.06	128.54	124.68
14	L6	208	CLA	C4C-C3C-C2C	-2.06	103.89	106.90
14	A6	1634	CLA	C1-C2-C3	2.06	129.61	126.04
14	A1	805	CLA	C3B-C4B-NB	2.06	111.88	109.21
14	A2	1643	CLA	C11-C10-C8	2.06	122.59	115.92
16	F5	1302	BCR	C40-C30-C25	2.06	113.64	110.30
14	B4	804	CLA	O2A-CGA-O1A	-2.06	118.39	123.59
14	B1	818	CLA	CHD-C4C-C3C	-2.06	121.81	124.84
16	F2	201	BCR	C37-C22-C23	2.06	121.33	118.08
14	A4	821	CLA	C3D-C4D-ND	2.06	113.57	110.24
14	A2	1616	CLA	CMB-C2B-C3B	2.06	128.54	124.68
14	A6	1617	CLA	CMB-C2B-C3B	2.06	128.54	124.68
14	B1	819	CLA	C1C-C2C-C3C	-2.06	104.79	106.96
14	B3	1809	CLA	C1C-C2C-C3C	-2.06	104.79	106.96
14	B6	809	CLA	C3B-C4B-NB	2.06	111.88	109.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A6	1640	CLA	CHD-C1D-ND	-2.06	122.56	124.45
14	A2	1625	CLA	C3D-C2D-C1D	-2.06	103.02	105.83
14	A1	823	CLA	CMB-C2B-C3B	2.06	128.54	124.68
14	B6	817	CLA	CMB-C2B-C3B	2.06	128.54	124.68
14	A6	1622	CLA	CMC-C2C-C1C	2.06	128.18	125.04
14	A6	1615	CLA	O2D-CGD-O1D	-2.06	119.81	123.84
14	B2	825	CLA	C7-C6-C5	-2.06	107.76	113.36
16	A4	848	BCR	C34-C9-C8	2.06	121.33	118.08
14	B2	824	CLA	C1C-C2C-C3C	-2.06	104.79	106.96
14	B2	813	CLA	C2D-C1D-ND	2.06	111.62	110.10
14	A2	1614	CLA	O2D-CGD-O1D	-2.06	119.81	123.84
14	B6	804	CLA	CHB-C4A-NA	2.06	127.36	124.51
14	A3	821	CLA	CHD-C1D-ND	-2.06	122.56	124.45
14	J5	101	CLA	CAC-C3C-C4C	2.06	127.48	124.81
14	M1	1201	CLA	CBC-CAC-C3C	-2.06	106.75	112.43
14	A4	842	CLA	O2A-CGA-O1A	-2.06	118.16	123.30
14	B5	1810	CLA	CHC-C1C-C2C	-2.06	121.02	126.72
14	B4	810	CLA	CMB-C2B-C3B	2.06	128.53	124.68
14	B4	821	CLA	CMB-C2B-C3B	2.06	128.53	124.68
14	B4	830	CLA	CMB-C2B-C3B	2.06	128.53	124.68
14	A3	834	CLA	O2A-CGA-O1A	-2.06	118.39	123.59
14	B5	1810	CLA	CAC-C3C-C4C	2.06	127.48	124.81
14	A5	824	CLA	CMB-C2B-C3B	2.06	128.53	124.68
14	B5	1803	CLA	C2D-C1D-ND	2.06	111.62	110.10
14	A1	824	CLA	CED-O2D-CGD	2.06	120.60	115.94
14	B2	839	CLA	C4A-NA-C1A	2.06	107.63	106.71
14	B2	808	CLA	C7-C6-C5	-2.06	107.77	113.36
14	A5	821	CLA	C3D-C4D-ND	2.06	113.57	110.24
14	A3	836	CLA	O2A-CGA-O1A	-2.06	118.17	123.30
14	A1	828	CLA	CED-O2D-CGD	2.06	120.59	115.94
14	J3	101	CLA	CHD-C4C-C3C	-2.06	121.81	124.84
14	B4	836	CLA	CHD-C4C-C3C	-2.06	121.81	124.84
14	B1	823	CLA	C3D-C2D-C1D	-2.06	103.02	105.83
14	B5	1811	CLA	CED-O2D-CGD	2.06	120.59	115.94
16	B2	846	BCR	C34-C9-C8	2.06	121.32	118.08
16	A5	848	BCR	C38-C26-C25	2.06	126.84	124.53
14	A5	812	CLA	CHD-C1D-ND	-2.06	122.56	124.45
16	J6	1105	BCR	C30-C25-C26	-2.06	119.71	122.61
14	A5	834	CLA	C1-C2-C3	2.06	129.60	126.04
14	B3	1833	CLA	CMB-C2B-C3B	2.06	128.53	124.68
14	B5	1836	CLA	C3D-C4D-ND	2.06	113.57	110.24
14	A4	834	CLA	O2D-CGD-O1D	-2.06	119.81	123.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	B2	844	BCR	C28-C27-C26	2.06	117.75	114.08
14	B5	1801	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
14	A1	819	CLA	C3C-C4C-NC	2.06	112.88	110.57
14	A6	1615	CLA	CED-O2D-CGD	2.06	120.59	115.94
14	B4	809	CLA	C3D-C4D-ND	2.06	113.57	110.24
14	A3	822	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
14	B4	822	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
14	B6	827	CLA	C1C-C2C-C3C	-2.06	104.79	106.96
14	A4	826	CLA	O1D-CGD-CBD	-2.06	120.27	124.48
14	B1	801	CLA	CMC-C2C-C1C	2.06	128.17	125.04
14	B5	1826	CLA	CMC-C2C-C1C	2.06	128.17	125.04
14	A3	804	CLA	O2A-CGA-O1A	-2.06	118.40	123.59
14	A1	814	CLA	CED-O2D-CGD	2.06	120.59	115.94
14	B3	1832	CLA	C2D-C1D-ND	2.06	111.62	110.10
14	B6	829	CLA	O2D-CGD-O1D	-2.06	119.82	123.84
14	A3	830	CLA	CAC-C3C-C4C	2.06	127.48	124.81
16	F5	1302	BCR	C37-C22-C23	2.06	121.32	118.08
14	B1	836	CLA	O2A-CGA-CBA	2.06	120.64	114.03
14	B6	841	CLA	CMB-C2B-C3B	2.06	128.53	124.68
14	B4	829	CLA	C1C-C2C-C3C	-2.06	104.79	106.96
14	X1	1701	CLA	CHD-C1D-ND	-2.06	122.56	124.45
14	B1	814	CLA	CHD-C4C-C3C	-2.06	121.82	124.84
16	F3	201	BCR	C30-C25-C26	-2.06	119.72	122.61
14	B1	837	CLA	CAC-C3C-C4C	2.06	127.48	124.81
14	B1	805	CLA	C4-C3-C5	2.06	118.73	115.27
14	A5	837	CLA	C3C-C4C-NC	2.06	112.88	110.57
14	B5	1825	CLA	CMB-C2B-C3B	2.06	128.53	124.68
16	A4	849	BCR	C34-C9-C10	-2.06	120.04	122.92
14	F2	204	CLA	CMC-C2C-C1C	2.06	128.17	125.04
14	B6	839	CLA	CMC-C2C-C1C	2.06	128.17	125.04
14	A2	1638	CLA	CHC-C1C-C2C	-2.06	121.03	126.72
14	B3	1830	CLA	C4-C3-C5	-2.06	111.81	115.27
14	A3	802	CLA	C6-C5-C3	-2.06	108.06	113.45
14	B2	811	CLA	CHD-C4C-C3C	-2.06	121.82	124.84
14	A3	812	CLA	O2A-CGA-O1A	-2.06	118.41	123.59
14	B5	1822	CLA	CHB-C4A-NA	2.06	127.35	124.51
14	A6	1613	CLA	C3B-C4B-NB	2.06	111.87	109.21
16	L2	201	BCR	C37-C22-C23	2.06	121.31	118.08
16	I3	101	BCR	C37-C22-C23	2.06	121.31	118.08
14	B5	1834	CLA	CMB-C2B-C3B	2.06	128.52	124.68
16	A2	1651	BCR	C1-C6-C5	-2.06	119.72	122.61
14	A1	808	CLA	O2A-CGA-O1A	-2.05	118.41	123.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A4	831	CLA	CAC-C3C-C4C	2.05	127.48	124.81
14	A4	819	CLA	C1C-C2C-C3C	-2.05	104.80	106.96
14	B2	816	CLA	CHD-C4C-C3C	-2.05	121.82	124.84
14	M1	1201	CLA	CMB-C2B-C3B	2.05	128.52	124.68
14	A5	822	CLA	CMB-C2B-C3B	2.05	128.52	124.68
14	A2	1602	CLA	CHB-C4A-NA	2.05	127.35	124.51
14	A6	1601	CLA	CHD-C1D-ND	-2.05	122.57	124.45
14	B3	1807	CLA	C2D-C1D-ND	2.05	111.62	110.10
14	B4	810	CLA	CHC-C1C-C2C	-2.05	121.04	126.72
14	B6	811	CLA	O2A-CGA-O1A	-2.05	118.18	123.30
16	B4	850	BCR	C12-C13-C14	-2.05	115.79	118.94
16	A6	1648	BCR	C12-C13-C14	-2.05	115.79	118.94
14	A3	816	CLA	O2A-CGA-O1A	-2.05	118.41	123.59
14	B5	1810	CLA	CAA-C2A-C3A	-2.05	107.15	112.78
14	B4	803	CLA	C3D-C2D-C1D	-2.05	103.03	105.83
14	A3	844	CLA	CHD-C4C-C3C	-2.05	121.82	124.84
14	B5	1837	CLA	CHD-C1D-ND	-2.05	122.57	124.45
14	B1	837	CLA	CMC-C2C-C1C	2.05	128.17	125.04
14	A1	825	CLA	C3D-C4D-ND	2.05	113.56	110.24
14	B6	829	CLA	O2A-CGA-O1A	-2.05	118.41	123.59
14	B4	836	CLA	C3D-C2D-C1D	-2.05	103.03	105.83
14	B5	1834	CLA	CED-O2D-CGD	2.05	120.58	115.94
14	A5	829	CLA	CAC-C3C-C4C	2.05	127.47	124.81
16	M4	101	BCR	C36-C18-C19	2.05	121.31	118.08
16	A2	1652	BCR	C30-C25-C26	-2.05	119.72	122.61
14	A3	803	CLA	CMB-C2B-C3B	2.05	128.52	124.68
14	B5	1821	CLA	CMB-C2B-C3B	2.05	128.52	124.68
14	A1	819	CLA	C1-O2A-CGA	2.05	121.83	116.44
14	A6	1629	CLA	C4C-C3C-C2C	-2.05	103.91	106.90
16	A6	1652	BCR	C33-C5-C4	-2.05	109.67	113.62
14	A4	814	CLA	O2D-CGD-O1D	-2.05	119.83	123.84
14	B1	835	CLA	C3D-C2D-C1D	-2.05	103.03	105.83
14	A4	828	CLA	CAC-C3C-C4C	2.05	127.47	124.81
14	B3	1810	CLA	CHC-C1C-C2C	-2.05	121.05	126.72
14	B5	1809	CLA	C3D-C4D-ND	2.05	113.56	110.24
14	A5	833	CLA	CHC-C1C-C2C	-2.05	121.05	126.72
14	X5	101	CLA	CMB-C2B-C3B	2.05	128.52	124.68
14	A1	805	CLA	CHD-C4C-C3C	-2.05	121.82	124.84
14	F2	204	CLA	C2D-C1D-ND	2.05	111.62	110.10
14	A3	814	CLA	C2D-C1D-ND	2.05	111.62	110.10
14	B2	820	CLA	CAC-C3C-C4C	2.05	127.47	124.81
14	A5	819	CLA	C3D-C4D-ND	2.05	113.56	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B5	1828	CLA	C4C-C3C-C2C	-2.05	103.91	106.90
14	A3	806	CLA	CAA-CBA-CGA	2.05	119.25	113.25
14	A6	1622	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
14	B1	810	CLA	CHB-C4A-NA	2.05	127.35	124.51
14	B2	833	CLA	C3C-C4C-NC	2.05	112.87	110.57
16	B1	849	BCR	C12-C13-C14	-2.05	115.79	118.94
14	A3	838	CLA	CED-O2D-CGD	2.05	120.58	115.94
14	A1	811	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
16	B2	845	BCR	C38-C26-C27	-2.05	109.68	113.62
14	B4	832	CLA	C2D-C1D-ND	2.05	111.61	110.10
16	B3	1849	BCR	C15-C16-C17	-2.05	119.27	123.47
16	B3	1849	BCR	C1-C6-C5	-2.05	119.73	122.61
14	B2	835	CLA	CHD-C1D-ND	-2.05	122.57	124.45
14	A3	802	CLA	CMC-C2C-C1C	2.05	128.16	125.04
16	B1	848	BCR	C37-C22-C23	2.05	121.31	118.08
14	A6	1620	CLA	C3C-C4C-NC	2.05	112.87	110.57
14	B6	823	CLA	CMB-C2B-C3B	2.05	128.51	124.68
14	A4	829	CLA	CMC-C2C-C1C	2.05	128.16	125.04
14	A6	1616	CLA	CAC-C3C-C4C	2.05	127.47	124.81
14	B5	1807	CLA	CAC-C3C-C4C	2.05	127.47	124.81
14	B1	840	CLA	CMB-C2B-C3B	2.05	128.51	124.68
14	B2	823	CLA	CHD-C1D-ND	-2.05	122.57	124.45
14	B2	809	CLA	CMC-C2C-C1C	2.05	128.16	125.04
14	A2	1613	CLA	CMB-C2B-C3B	2.05	128.51	124.68
14	A3	828	CLA	C4C-C3C-C2C	-2.05	103.91	106.90
14	A5	825	CLA	C7-C6-C5	-2.05	107.80	113.36
14	A4	806	CLA	CAC-C3C-C4C	2.05	127.47	124.81
14	A2	1642	CLA	C3D-C4D-ND	2.05	113.55	110.24
14	B6	802	CLA	CED-O2D-CGD	2.05	120.57	115.94
16	J3	104	BCR	C34-C9-C8	2.05	121.30	118.08
14	B3	1811	CLA	C3D-C2D-C1D	-2.05	103.04	105.83
14	B1	820	CLA	C4C-C3C-C2C	-2.05	103.91	106.90
14	X2	1701	CLA	CHD-C1D-ND	-2.05	122.57	124.45
14	J2	101	CLA	CAC-C3C-C4C	2.05	127.47	124.81
14	B4	811	CLA	CMB-C2B-C3B	2.05	128.51	124.68
16	A5	853	BCR	C23-C22-C21	-2.05	115.80	118.94
14	A5	804	CLA	C12-C11-C10	-2.05	106.38	113.62
14	B6	827	CLA	O2A-CGA-O1A	-2.05	118.42	123.59
14	L5	205	CLA	C3C-C4C-NC	2.05	112.87	110.57
16	B1	847	BCR	C1-C6-C5	-2.05	119.73	122.61
14	A5	820	CLA	C1C-C2C-C3C	-2.05	104.80	106.96
14	B5	1833	CLA	C3D-C4D-ND	2.05	113.55	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B5	1820	CLA	CHD-C4C-C3C	-2.05	121.83	124.84
14	B1	810	CLA	CAC-C3C-C4C	2.05	127.47	124.81
14	A4	813	CLA	O1D-CGD-CBD	-2.05	120.30	124.48
14	B6	835	CLA	O2A-CGA-CBA	2.05	120.61	114.03
14	B1	809	CLA	C3D-C4D-ND	2.05	113.55	110.24
14	A5	814	CLA	O1D-CGD-CBD	-2.05	120.30	124.48
14	A2	1639	CLA	C2D-C1D-ND	2.05	111.61	110.10
14	A1	824	CLA	CAC-C3C-C4C	2.05	127.47	124.81
14	J1	102	CLA	CAC-C3C-C4C	2.05	127.47	124.81
14	M2	1201	CLA	CAC-C3C-C4C	2.05	127.47	124.81
14	B4	810	CLA	CAC-C3C-C4C	2.05	127.47	124.81
14	B4	838	CLA	CAC-C3C-C4C	2.05	127.47	124.81
14	B5	1824	CLA	C10-C8-C9	2.05	119.94	110.51
14	L5	204	CLA	O2A-CGA-O1A	-2.05	118.43	123.59
14	B5	1838	CLA	CMC-C2C-C1C	2.05	128.16	125.04
14	A6	1602	CLA	C3D-C2D-C1D	-2.05	103.04	105.83
14	B5	1821	CLA	C4C-C3C-C2C	-2.05	103.92	106.90
14	A3	811	CLA	O2A-CGA-O1A	-2.05	118.43	123.59
16	B4	847	BCR	C35-C13-C12	2.05	121.30	118.08
14	B6	816	CLA	CAC-C3C-C4C	2.05	127.46	124.81
14	A3	818	CLA	CMC-C2C-C1C	2.05	128.15	125.04
14	B1	805	CLA	CBC-CAC-C3C	-2.05	106.79	112.43
14	B4	834	CLA	O2D-CGD-O1D	-2.05	119.84	123.84
14	A6	1625	CLA	CED-O2D-CGD	2.05	120.56	115.94
14	B6	814	CLA	C1-C2-C3	2.05	129.58	126.04
14	A1	820	CLA	CHD-C4C-C3C	-2.05	121.83	124.84
16	F4	201	BCR	C37-C22-C23	2.04	121.30	118.08
14	B4	826	CLA	O1D-CGD-CBD	-2.04	120.30	124.48
14	A1	829	CLA	CMC-C2C-C1C	2.04	128.15	125.04
14	B5	1820	CLA	CMC-C2C-C1C	2.04	128.15	125.04
14	A1	808	CLA	CAC-C3C-C4C	2.04	127.46	124.81
14	L1	201	CLA	CAC-C3C-C4C	2.04	127.46	124.81
14	A3	807	CLA	CAC-C3C-C4C	2.04	127.46	124.81
14	A5	830	CLA	CAC-C3C-C4C	2.04	127.46	124.81
14	B4	827	CLA	C3D-C4D-ND	2.04	113.55	110.24
16	A6	1648	BCR	C34-C9-C10	-2.04	120.06	122.92
14	B4	821	CLA	C4C-C3C-C2C	-2.04	103.92	106.90
14	A4	804	CLA	CHD-C4C-C3C	-2.04	121.83	124.84
14	B6	824	CLA	O1D-CGD-CBD	-2.04	120.30	124.48
14	A4	825	CLA	C1C-C2C-C3C	-2.04	104.81	106.96
14	B6	804	CLA	CMC-C2C-C1C	2.04	128.15	125.04
14	A6	1639	CLA	C3D-C4D-ND	2.04	113.54	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A5	811	CLA	CAC-C3C-C4C	2.04	127.46	124.81
14	A6	1621	CLA	CHD-C4C-C3C	-2.04	121.84	124.84
14	X3	102	CLA	CHD-C1D-ND	-2.04	122.58	124.45
16	B6	844	BCR	C1-C6-C7	2.04	121.56	115.78
14	B6	825	CLA	O2A-CGA-CBA	2.04	120.31	112.23
16	M6	1202	BCR	C36-C18-C19	2.04	121.30	118.08
14	B6	807	CLA	CHD-C4C-C3C	-2.04	121.84	124.84
14	A1	821	CLA	O1D-CGD-CBD	-2.04	120.30	124.48
14	A2	1601	CLA	CMC-C2C-C1C	2.04	128.15	125.04
14	L1	202	CLA	O2D-CGD-O1D	-2.04	119.84	123.84
16	A3	856	BCR	C33-C5-C4	-2.04	109.69	113.62
14	B1	821	CLA	O2A-CGA-O1A	-2.04	118.44	123.59
16	M5	101	BCR	C40-C30-C25	2.04	113.61	110.30
14	B4	831	CLA	CHD-C1D-ND	-2.04	122.58	124.45
14	B1	806	CLA	C4C-C3C-C2C	-2.04	103.92	106.90
14	B6	812	CLA	CHD-C4C-C3C	-2.04	121.84	124.84
14	B2	827	CLA	C4-C3-C5	-2.04	111.84	115.27
16	F4	203	BCR	C37-C22-C23	2.04	121.29	118.08
14	I1	101	CLA	CMB-C2B-C3B	2.04	128.50	124.68
14	A6	1603	CLA	O2D-CGD-CBD	2.04	114.90	111.27
14	A4	814	CLA	CAC-C3C-C4C	2.04	127.46	124.81
14	A6	1619	CLA	C3D-C4D-ND	2.04	113.54	110.24
14	B6	823	CLA	C3D-C4D-ND	2.04	113.54	110.24
14	B5	1819	CLA	O2A-CGA-O1A	-2.04	118.44	123.59
14	K5	102	CLA	C3D-C4D-ND	2.04	113.54	110.24
19	B4	851	LMG	O7-C10-C11	2.04	115.90	111.50
16	B5	1849	BCR	C1-C6-C5	-2.04	119.74	122.61
14	A2	1616	CLA	C2D-C1D-ND	2.04	111.61	110.10
14	A6	1606	CLA	C4-C3-C5	2.04	118.70	115.27
14	B1	839	CLA	CHB-C4A-NA	2.04	127.33	124.51
14	B1	810	CLA	CHC-C1C-C2C	-2.04	121.08	126.72
14	A6	1611	CLA	CMB-C2B-C3B	2.04	128.50	124.68
14	B1	812	CLA	O2A-CGA-CBA	2.04	120.59	114.03
14	B3	1828	CLA	C7-C6-C5	-2.04	107.82	113.36
14	A4	826	CLA	CHD-C1D-ND	-2.04	122.58	124.45
14	B6	804	CLA	C12-C11-C10	-2.04	103.86	113.24
16	L5	207	BCR	C30-C25-C26	-2.04	119.74	122.61
14	A4	821	CLA	CMB-C2B-C3B	2.04	128.50	124.68
14	A1	831	CLA	CAC-C3C-C4C	2.04	127.46	124.81
14	A4	839	CLA	C4-C3-C5	2.04	118.31	115.98
14	B4	840	CLA	CMC-C2C-C1C	2.04	128.15	125.04
14	K5	102	CLA	CMC-C2C-C1C	2.04	128.15	125.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B2	829	CLA	C2D-C1D-ND	2.04	111.61	110.10
14	B4	839	CLA	O1D-CGD-CBD	-2.04	120.31	124.48
14	A6	1640	CLA	O2A-CGA-O1A	-2.04	118.44	123.59
14	B2	833	CLA	O2A-CGA-O1A	-2.04	118.22	123.30
14	A4	803	CLA	C3D-C2D-C1D	-2.04	103.05	105.83
14	A4	825	CLA	CHB-C4A-NA	2.04	127.33	124.51
14	A2	1601	CLA	CMB-C2B-C3B	2.04	128.49	124.68
14	A3	815	CLA	C3B-C4B-NB	2.04	111.85	109.21
14	B1	809	CLA	O2D-CGD-O1D	-2.04	119.85	123.84
14	B4	852	CLA	CED-O2D-CGD	2.04	120.55	115.94
16	I5	101	BCR	C37-C22-C23	2.04	121.29	118.08
14	B1	804	CLA	CHB-C4A-NA	2.04	127.33	124.51
14	A3	826	CLA	CHB-C4A-NA	2.04	127.33	124.51
14	L1	205	CLA	CMB-C2B-C3B	2.04	128.49	124.68
14	X1	1701	CLA	CMB-C2B-C3B	2.04	128.49	124.68
14	A2	1606	CLA	C3D-C4D-ND	2.04	113.53	110.24
16	B2	846	BCR	C29-C30-C25	2.04	113.62	110.48
14	B5	1830	CLA	C4-C3-C5	-2.04	111.84	115.27
14	B4	801	CLA	C6-C5-C3	-2.04	108.11	113.45
14	B1	827	CLA	C2D-C1D-ND	2.04	111.61	110.10
14	A6	1637	CLA	C2D-C1D-ND	2.04	111.61	110.10
16	A5	850	BCR	C1-C6-C5	-2.04	119.74	122.61
16	A1	843	BCR	C37-C22-C23	2.04	121.29	118.08
14	B4	842	CLA	C11-C10-C8	2.04	122.50	115.92
16	L6	204	BCR	C38-C26-C25	2.04	126.82	124.53
14	B6	827	CLA	O1D-CGD-CBD	-2.04	120.31	124.48
16	F1	1302	BCR	C36-C18-C19	2.04	121.29	118.08
16	A4	845	BCR	C36-C18-C19	2.04	121.29	118.08
14	A6	1624	CLA	C3D-C4D-ND	2.04	113.53	110.24
14	A4	815	CLA	O2D-CGD-O1D	-2.04	119.86	123.84
14	B1	809	CLA	CAC-C3C-C4C	2.04	127.45	124.81
14	B3	1835	CLA	CAC-C3C-C4C	2.04	127.45	124.81
14	A4	833	CLA	C1-C2-C3	2.04	129.57	126.04
14	A3	838	CLA	CMC-C2C-C1C	2.04	128.14	125.04
14	B5	1815	CLA	C2D-C1D-ND	2.04	111.61	110.10
16	B2	842	BCR	C34-C9-C8	2.04	121.29	118.08
14	A6	1633	CLA	C1C-C2C-C3C	-2.04	104.81	106.96
14	B1	827	CLA	C3B-C4B-NB	2.04	111.84	109.21
14	B6	838	CLA	CHB-C4A-NA	2.04	127.33	124.51
14	B1	841	CLA	CAC-C3C-C4C	2.04	127.45	124.81
14	B1	827	CLA	O2A-CGA-O1A	-2.04	118.45	123.59
14	A2	1637	CLA	C1C-C2C-C3C	-2.04	104.82	106.96

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B6	839	CLA	C1C-C2C-C3C	-2.04	104.82	106.96
14	A5	835	CLA	C1C-C2C-C3C	-2.04	104.82	106.96
14	B2	803	CLA	CHB-C4A-NA	2.04	127.33	124.51
14	A3	812	CLA	O2D-CGD-O1D	-2.04	119.86	123.84
14	A5	802	CLA	CMC-C2C-C1C	2.04	128.14	125.04
14	B5	1802	CLA	CAC-C3C-C4C	2.04	127.45	124.81
14	B2	812	CLA	C2D-C1D-ND	2.04	111.60	110.10
14	L2	206	CLA	O2A-CGA-O1A	-2.04	118.45	123.59
14	B6	817	CLA	O2A-CGA-O1A	-2.04	118.45	123.59
16	L1	209	BCR	C37-C22-C23	2.04	121.28	118.08
16	B6	843	BCR	C34-C9-C8	2.04	121.28	118.08
14	B4	811	CLA	C7-C6-C5	-2.04	107.83	113.36
14	B5	1823	CLA	O2A-CGA-O1A	-2.04	118.23	123.30
16	B5	1850	BCR	C30-C25-C26	-2.04	119.75	122.61
14	B4	829	CLA	CED-O2D-CGD	2.04	120.54	115.94
14	A1	840	CLA	CHD-C1D-ND	-2.03	122.58	124.45
16	J3	104	BCR	C37-C22-C23	2.03	121.28	118.08
14	A4	808	CLA	CAA-C2A-C1A	2.03	118.64	111.97
14	B2	812	CLA	CED-O2D-CGD	2.03	120.54	115.94
14	A5	813	CLA	O1D-CGD-CBD	-2.03	120.32	124.48
14	J4	102	CLA	CMC-C2C-C1C	2.03	128.14	125.04
14	A6	1606	CLA	CHD-C4C-C3C	-2.03	121.85	124.84
14	A6	1618	CLA	C3D-C4D-ND	2.03	113.53	110.24
14	A2	1609	CLA	CAC-C3C-C4C	2.03	127.45	124.81
14	B6	836	CLA	CAC-C3C-C4C	2.03	127.45	124.81
14	A4	821	CLA	C3C-C4C-NC	2.03	112.85	110.57
16	B6	846	BCR	C38-C26-C27	-2.03	109.71	113.62
14	B6	831	CLA	CMB-C2B-C3B	2.03	128.48	124.68
14	A2	1640	CLA	CMC-C2C-C1C	2.03	128.14	125.04
14	A4	814	CLA	O1D-CGD-CBD	-2.03	120.32	124.48
14	A1	817	CLA	C3D-C4D-ND	2.03	113.53	110.24
14	B3	1808	CLA	CED-O2D-CGD	2.03	120.54	115.94
14	A2	1611	CLA	CAA-C2A-C1A	2.03	118.64	111.97
16	L6	209	BCR	C29-C30-C25	2.03	113.61	110.48
14	A4	810	CLA	CMB-C2B-C3B	2.03	128.48	124.68
14	A4	831	CLA	C1-C2-C3	2.03	129.56	126.04
14	B4	802	CLA	CHD-C4C-C3C	-2.03	121.85	124.84
16	B1	847	BCR	C30-C25-C24	2.03	121.53	115.78
14	A2	1605	CLA	C1D-ND-C4D	-2.03	104.89	106.33
14	B4	826	CLA	CHD-C1D-ND	-2.03	122.59	124.45
14	A5	823	CLA	O2D-CGD-O1D	-2.03	119.86	123.84
14	A4	841	CLA	C1B-CHB-C4A	-2.03	126.09	130.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	L2	205	CLA	CAC-C3C-C4C	2.03	127.45	124.81
14	X3	102	CLA	CAC-C3C-C4C	2.03	127.45	124.81
14	A1	828	CLA	CMC-C2C-C1C	2.03	128.13	125.04
14	B2	822	CLA	C3D-C4D-ND	2.03	113.53	110.24
14	B6	834	CLA	C3D-C4D-ND	2.03	113.53	110.24
14	B3	1821	CLA	C4C-C3C-C2C	-2.03	103.94	106.90
16	A6	1646	BCR	C38-C26-C25	2.03	126.81	124.53
14	A2	1616	CLA	O1D-CGD-CBD	-2.03	120.33	124.48
14	A2	1639	CLA	CHD-C4C-C3C	-2.03	121.85	124.84
14	B4	836	CLA	O2A-CGA-O1A	-2.03	118.23	123.30
14	B1	821	CLA	CMB-C2B-C3B	2.03	128.48	124.68
14	L4	205	CLA	CMB-C2B-C3B	2.03	128.48	124.68
14	L6	208	CLA	CMB-C2B-C3B	2.03	128.48	124.68
14	A5	816	CLA	C1C-C2C-C3C	-2.03	104.82	106.96
14	B5	1826	CLA	CAC-C3C-C4C	2.03	127.45	124.81
14	B3	1811	CLA	CED-O2D-CGD	2.03	120.53	115.94
14	A4	831	CLA	O2A-CGA-O1A	-2.03	118.47	123.59
14	F1	1301	CLA	O2A-CGA-O1A	-2.03	118.24	123.30
14	K5	101	CLA	O2A-CGA-O1A	-2.03	118.24	123.30
14	A4	822	CLA	C3D-C4D-ND	2.03	113.52	110.24
14	B2	809	CLA	C1D-CHD-C4C	-2.03	121.68	126.06
14	A2	1603	CLA	CMB-C2B-C3B	2.03	128.48	124.68
14	L6	203	CLA	CMB-C2B-C3B	2.03	128.48	124.68
14	A4	809	CLA	CMC-C2C-C1C	2.03	128.13	125.04
16	A4	845	BCR	C37-C22-C23	2.03	121.28	118.08
16	B1	848	BCR	C32-C1-C6	2.03	113.59	110.30
16	B5	1846	BCR	C1-C6-C7	2.03	121.52	115.78
14	B6	836	CLA	CHD-C1D-ND	-2.03	122.59	124.45
14	B1	810	CLA	CMB-C2B-C3B	2.03	128.48	124.68
14	B5	1830	CLA	CMB-C2B-C3B	2.03	128.48	124.68
16	A4	846	BCR	C35-C13-C12	2.03	121.28	118.08
14	A6	1622	CLA	CED-O2D-CGD	2.03	120.53	115.94
14	B4	838	CLA	O2D-CGD-O1D	-2.03	119.87	123.84
14	B5	1816	CLA	C3D-C2D-C1D	-2.03	103.06	105.83
14	A4	817	CLA	CMC-C2C-C1C	2.03	128.13	125.04
14	B1	814	CLA	C3B-C4B-NB	2.03	111.83	109.21
14	A2	1632	CLA	CAC-C3C-C4C	2.03	127.44	124.81
14	A3	833	CLA	CAC-C3C-C4C	2.03	127.44	124.81
14	B2	819	CLA	O1D-CGD-CBD	-2.03	120.33	124.48
14	A2	1607	CLA	C1C-C2C-C3C	-2.03	104.82	106.96
14	B4	805	CLA	C3D-C2D-C1D	-2.03	103.06	105.83
14	A5	843	CLA	CED-O2D-CGD	2.03	120.53	115.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B6	802	CLA	C6-C5-C3	-2.03	108.14	113.45
14	B4	807	CLA	CHC-C1C-C2C	-2.03	121.11	126.72
14	B3	1842	CLA	C12-C11-C10	-2.03	103.92	113.24
14	L5	202	CLA	C2D-C1D-ND	2.03	111.60	110.10
14	B2	838	CLA	C4A-NA-C1A	2.03	107.62	106.71
14	A1	826	CLA	CAC-C3C-C4C	2.03	127.44	124.81
14	B6	807	CLA	CAC-C3C-C4C	2.03	127.44	124.81
16	I6	102	BCR	C34-C9-C8	2.03	121.27	118.08
14	A6	1638	CLA	CMC-C2C-C1C	2.03	128.13	125.04
16	I5	102	BCR	C32-C1-C6	2.03	113.59	110.30
14	B5	1813	CLA	CMB-C2B-C3B	2.03	128.47	124.68
14	B3	1810	CLA	C3D-C2D-C1D	-2.03	103.06	105.83
14	B5	1806	CLA	C3B-C4B-NB	2.03	111.83	109.21
14	A5	837	CLA	CED-O2D-CGD	2.03	120.52	115.94
14	M2	1201	CLA	C3D-C4D-ND	2.03	113.52	110.24
14	B5	1840	CLA	CMC-C2C-C1C	2.03	128.13	125.04
14	A4	832	CLA	CHC-C1C-C2C	-2.03	121.11	126.72
14	A2	1645	CLA	C3D-C2D-C1D	-2.03	103.06	105.83
14	A6	1611	CLA	C3B-C4B-NB	2.03	111.83	109.21
14	A4	835	CLA	CHC-C1C-C2C	-2.03	121.11	126.72
14	A2	1626	CLA	CMB-C2B-C3B	2.03	128.47	124.68
14	B6	819	CLA	CMB-C2B-C3B	2.03	128.47	124.68
16	I2	101	BCR	C34-C9-C8	2.03	121.27	118.08
16	A3	848	BCR	C37-C22-C23	2.03	121.27	118.08
14	A3	820	CLA	C1D-ND-C4D	-2.03	104.89	106.33
14	A6	1602	CLA	CAC-C3C-C4C	2.03	127.44	124.81
14	K5	101	CLA	O2A-CGA-CBA	2.03	120.54	114.03
16	J4	104	BCR	C30-C25-C26	-2.03	119.76	122.61
14	A2	1608	CLA	C3B-C4B-NB	2.03	111.83	109.21
14	A2	1616	CLA	O2A-CGA-O1A	-2.03	118.25	123.30
14	A4	803	CLA	O2A-CGA-O1A	-2.03	118.48	123.59
14	J3	101	CLA	CAC-C3C-C4C	2.03	127.44	124.81
14	A6	1618	CLA	CMB-C2B-C3B	2.03	128.47	124.68
14	A4	834	CLA	C1C-C2C-C3C	-2.03	104.83	106.96
14	B6	809	CLA	CHD-C1D-ND	-2.03	122.59	124.45
14	B3	1809	CLA	C3D-C4D-ND	2.03	113.52	110.24
14	A2	1628	CLA	CED-O2D-CGD	2.03	120.52	115.94
14	B6	832	CLA	CMB-C2B-C3B	2.03	128.47	124.68
14	B2	807	CLA	CHC-C1C-C2C	-2.03	121.12	126.72
14	B2	819	CLA	O2A-CGA-O1A	-2.03	118.48	123.59
14	B5	1827	CLA	C3D-C4D-ND	2.03	113.51	110.24
14	A2	1611	CLA	CAC-C3C-C4C	2.03	127.44	124.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	B6	844	BCR	C23-C22-C21	-2.03	115.83	118.94
16	A1	844	BCR	C35-C13-C12	2.03	121.27	118.08
16	B5	1847	BCR	C35-C13-C12	2.03	121.27	118.08
14	B6	820	CLA	CMB-C2B-C3B	2.03	128.47	124.68
14	A4	824	CLA	C7-C6-C5	-2.03	107.86	113.36
14	B2	813	CLA	CMB-C2B-C3B	2.02	128.47	124.68
16	F2	203	BCR	C30-C25-C26	-2.02	119.76	122.61
14	A1	803	CLA	CMC-C2C-C1C	2.02	128.12	125.04
16	B1	844	BCR	C1-C6-C7	2.02	121.50	115.78
14	A3	834	CLA	C1C-C2C-C3C	-2.02	104.83	106.96
16	I5	102	BCR	C38-C26-C25	2.02	126.80	124.53
14	B4	843	CLA	CMB-C2B-C3B	2.02	128.47	124.68
14	B5	1828	CLA	O2A-CGA-O1A	-2.02	118.48	123.59
14	B3	1837	CLA	C3D-C2D-C1D	-2.02	103.07	105.83
14	A2	1631	CLA	CAC-C3C-C4C	2.02	127.44	124.81
14	B5	1837	CLA	CMC-C2C-C1C	2.02	128.12	125.04
14	B2	804	CLA	CHC-C1C-C2C	-2.02	121.12	126.72
14	A1	823	CLA	C3D-C4D-ND	2.02	113.51	110.24
14	L2	207	CLA	CMB-C2B-C3B	2.02	128.46	124.68
14	A1	810	CLA	C3B-C4B-NB	2.02	111.83	109.21
14	B3	1805	CLA	CHB-C4A-NA	2.02	127.31	124.51
14	B5	1832	CLA	CHD-C4C-C3C	-2.02	121.87	124.84
14	B3	1825	CLA	CMC-C2C-C1C	2.02	128.12	125.04
16	B2	846	BCR	C30-C25-C24	2.02	121.50	115.78
14	B5	1834	CLA	O2D-CGD-O1D	-2.02	119.88	123.84
14	B6	826	CLA	O1D-CGD-CBD	-2.02	120.34	124.48
16	A6	1652	BCR	C12-C13-C14	-2.02	115.84	118.94
14	M2	1201	CLA	C1C-C2C-C3C	-2.02	104.83	106.96
14	A6	1630	CLA	CAC-C3C-C4C	2.02	127.43	124.81
14	L6	202	CLA	CAC-C3C-C4C	2.02	127.43	124.81
14	B2	813	CLA	CED-O2D-CGD	2.02	120.51	115.94
14	A4	825	CLA	CED-O2D-CGD	2.02	120.51	115.94
14	B3	1805	CLA	C11-C10-C8	2.02	122.45	115.92
14	B4	810	CLA	C3B-C4B-NB	2.02	111.82	109.21
14	B3	1832	CLA	CMC-C2C-C1C	2.02	128.12	125.04
14	B1	854	CLA	C1D-CHD-C4C	-2.02	121.70	126.06
14	A2	1638	CLA	O1D-CGD-CBD	-2.02	120.35	124.48
14	A5	825	CLA	CED-O2D-CGD	2.02	120.51	115.94
14	B2	812	CLA	CMC-C2C-C1C	2.02	128.12	125.04
14	B3	1825	CLA	CMB-C2B-C3B	2.02	128.46	124.68
14	X6	1701	CLA	CMB-C2B-C3B	2.02	128.46	124.68
14	L5	206	CLA	CMB-C2B-C3B	2.02	128.46	124.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B2	804	CLA	CHD-C1D-ND	-2.02	122.60	124.45
14	A1	813	CLA	C2D-C1D-ND	2.02	111.59	110.10
14	J6	1102	CLA	CMC-C2C-C1C	2.02	128.12	125.04
16	B6	847	BCR	C30-C25-C24	2.02	121.49	115.78
14	B1	831	CLA	O1D-CGD-CBD	-2.02	120.35	124.48
14	A5	823	CLA	O2A-CGA-O1A	-2.02	118.49	123.59
16	A2	1652	BCR	C1-C6-C5	-2.02	119.77	122.61
14	B4	828	CLA	C7-C6-C5	-2.02	107.87	113.36
16	B6	844	BCR	C12-C13-C14	-2.02	115.84	118.94
14	A5	806	CLA	C2A-C3A-C4A	2.02	105.13	101.87
14	L1	201	CLA	O2A-CGA-O1A	-2.02	118.49	123.59
14	A4	821	CLA	CMC-C2C-C1C	2.02	128.12	125.04
14	A6	1631	CLA	CED-O2D-CGD	2.02	120.50	115.94
14	B1	830	CLA	CAC-C3C-C4C	2.02	127.43	124.81
14	A6	1627	CLA	CAC-C3C-C4C	2.02	127.43	124.81
17	A6	1650	LHG	O2-C2-C3	2.02	116.64	109.56
14	B4	807	CLA	CED-O2D-CGD	2.02	120.50	115.94
16	A5	848	BCR	C36-C18-C19	2.02	121.26	118.08
16	B4	849	BCR	C1-C6-C5	-2.02	119.77	122.61
14	A2	1615	CLA	C3B-C4B-NB	2.02	111.82	109.21
14	A4	812	CLA	C3B-C4B-NB	2.02	111.82	109.21
16	B4	848	BCR	C38-C26-C25	2.02	126.80	124.53
14	A6	1641	CLA	C3D-C2D-C1D	-2.02	103.08	105.83
14	A1	837	CLA	CMB-C2B-C3B	2.02	128.46	124.68
14	A4	802	CLA	CMB-C2B-C3B	2.02	128.46	124.68
14	A6	1627	CLA	CMC-C2C-C1C	2.02	128.11	125.04
14	B1	835	CLA	CAC-C3C-C4C	2.02	127.43	124.81
14	A5	809	CLA	CAC-C3C-C4C	2.02	127.43	124.81
14	A3	831	CLA	O2A-CGA-O1A	-2.02	118.50	123.59
14	B3	1805	CLA	C1B-CHB-C4A	-2.02	126.12	130.12
14	B5	1810	CLA	CMB-C2B-C3B	2.02	128.45	124.68
14	A5	805	CLA	C3D-C4D-ND	2.02	113.50	110.24
14	A6	1615	CLA	O1D-CGD-CBD	-2.02	120.36	124.48
14	F6	202	CLA	CMC-C2C-C1C	2.02	128.11	125.04
14	B6	812	CLA	C2D-C1D-ND	2.02	111.59	110.10
14	A4	824	CLA	CAC-C3C-C4C	2.02	127.43	124.81
14	A2	1605	CLA	CMB-C2B-C3B	2.02	128.45	124.68
14	B3	1834	CLA	CMB-C2B-C3B	2.02	128.45	124.68
14	K4	1401	CLA	CMB-C2B-C3B	2.02	128.45	124.68
14	A3	808	CLA	CHB-C4A-NA	2.02	127.30	124.51
16	A1	847	BCR	C12-C13-C14	-2.02	115.84	118.94
14	B3	1832	CLA	O1D-CGD-CBD	-2.02	120.36	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A5	805	CLA	O1D-CGD-CBD	-2.02	120.36	124.48
14	A3	812	CLA	CHD-C1D-ND	-2.02	122.60	124.45
14	A1	830	CLA	C3D-C4D-ND	2.02	113.50	110.24
14	A4	832	CLA	CED-O2D-CGD	2.02	120.50	115.94
14	I1	101	CLA	C7-C6-C5	-2.02	107.88	113.36
14	A6	1636	CLA	CMC-C2C-C1C	2.02	128.11	125.04
14	B6	819	CLA	CMC-C2C-C1C	2.02	128.11	125.04
16	I2	101	BCR	C37-C22-C23	2.02	121.25	118.08
14	A4	810	CLA	CAC-C3C-C4C	2.02	127.43	124.81
14	A2	1613	CLA	C1C-C2C-C3C	-2.02	104.84	106.96
14	B5	1816	CLA	C2D-C1D-ND	2.02	111.59	110.10
14	B4	820	CLA	C4-C3-C5	2.02	118.66	115.27
16	I4	101	BCR	C37-C22-C23	2.02	121.25	118.08
14	A4	829	CLA	CAC-C3C-C4C	2.02	127.43	124.81
14	B5	1824	CLA	C1-C2-C3	2.02	129.53	126.04
16	A1	843	BCR	C33-C5-C6	2.02	126.79	124.53
14	A4	836	CLA	C3C-C4C-NC	2.02	112.83	110.57
14	B4	834	CLA	CMB-C2B-C3B	2.02	128.45	124.68
16	A5	853	BCR	C1-C6-C5	-2.02	119.77	122.61
14	B1	830	CLA	CMC-C2C-C1C	2.02	128.11	125.04
16	A2	1648	BCR	C37-C22-C23	2.02	121.25	118.08
16	M5	101	BCR	C12-C13-C14	-2.02	115.85	118.94
14	B3	1815	CLA	O2A-CGA-O1A	-2.02	118.50	123.59
14	B2	808	CLA	CAC-C3C-C4C	2.02	127.42	124.81
14	A5	836	CLA	CHD-C1D-ND	-2.02	122.60	124.45
14	B2	808	CLA	C3D-C2D-C1D	-2.02	103.08	105.83
14	A6	1641	CLA	CHD-C4C-C3C	-2.02	121.88	124.84
14	L6	202	CLA	C2D-C1D-ND	2.02	111.59	110.10
14	B6	808	CLA	CHC-C1C-C2C	-2.02	121.15	126.72
14	B2	802	CLA	CMB-C2B-C3B	2.01	128.45	124.68
14	A6	1606	CLA	CMB-C2B-C1B	-2.01	125.37	128.46
16	L6	204	BCR	C32-C1-C6	2.01	113.57	110.30
14	A2	1629	CLA	CAC-C3C-C4C	2.01	127.42	124.81
14	B3	1806	CLA	CAC-C3C-C4C	2.01	127.42	124.81
14	B5	1843	CLA	CAC-C3C-C4C	2.01	127.42	124.81
14	A5	814	CLA	CMC-C2C-C1C	2.01	128.11	125.04
14	B3	1813	CLA	CMB-C2B-C3B	2.01	128.45	124.68
14	A4	822	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
14	A2	1645	CLA	CHD-C1D-ND	-2.01	122.60	124.45
16	F2	203	BCR	C40-C30-C25	2.01	113.57	110.30
16	A6	1648	BCR	C30-C25-C26	-2.01	119.78	122.61
14	B3	1820	CLA	CAC-C3C-C4C	2.01	127.42	124.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	A5	835	CLA	CAC-C3C-C4C	2.01	127.42	124.81
14	A2	1639	CLA	CED-O2D-CGD	2.01	120.49	115.94
16	A6	1647	BCR	C34-C9-C8	2.01	121.25	118.08
14	B1	836	CLA	O2A-CGA-O1A	-2.01	118.28	123.30
14	B6	831	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
14	A4	841	CLA	CMB-C2B-C3B	2.01	128.44	124.68
14	A6	1623	CLA	O2A-CGA-O1A	-2.01	118.51	123.59
16	A6	1645	BCR	C30-C25-C26	-2.01	119.78	122.61
16	B2	847	BCR	C12-C13-C14	-2.01	115.85	118.94
14	B2	818	CLA	C4C-C3C-C2C	-2.01	103.96	106.90
16	J5	104	BCR	C24-C25-C26	-2.01	116.59	121.46
14	B6	825	CLA	C1C-C2C-C3C	-2.01	104.84	106.96
14	A2	1623	CLA	CMC-C2C-C1C	2.01	128.10	125.04
14	A2	1627	CLA	O1D-CGD-CBD	-2.01	120.37	124.48
16	A5	848	BCR	C1-C6-C5	-2.01	119.78	122.61
14	A6	1614	CLA	O2A-CGA-O1A	-2.01	118.28	123.30
14	B5	1802	CLA	O2D-CGD-CBD	2.01	114.84	111.27
14	L4	205	CLA	C4C-C3C-C2C	-2.01	103.96	106.90
14	B5	1811	CLA	CHC-C1C-C2C	-2.01	121.16	126.72
14	B2	826	CLA	C1C-C2C-C3C	-2.01	104.84	106.96
14	A5	809	CLA	C3D-C4D-ND	2.01	113.49	110.24
14	B4	806	CLA	CMB-C2B-C3B	2.01	128.44	124.68
16	B4	850	BCR	C1-C6-C5	-2.01	119.78	122.61
14	B5	1836	CLA	CED-O2D-CGD	2.01	120.49	115.94
14	A5	832	CLA	C1-C2-C3	2.01	129.52	126.04
16	B5	1846	BCR	C33-C5-C4	-2.01	109.75	113.62
16	F3	201	BCR	C37-C22-C23	2.01	121.25	118.08
14	I6	101	CLA	C3D-C4D-ND	2.01	113.49	110.24
14	A2	1624	CLA	CMB-C2B-C3B	2.01	128.44	124.68
14	B6	821	CLA	CMB-C2B-C3B	2.01	128.44	124.68
14	B4	827	CLA	O2A-CGA-CBA	2.01	120.18	112.23
14	A6	1651	CLA	O1D-CGD-CBD	-2.01	120.37	124.48
14	A4	807	CLA	CHB-C4A-NA	2.01	127.29	124.51
16	B6	846	BCR	C35-C13-C12	2.01	119.05	114.60
16	J4	104	BCR	C24-C25-C26	-2.01	116.59	121.46
14	B2	821	CLA	C3D-C2D-C1D	-2.01	103.09	105.83
14	A1	811	CLA	C3D-C4D-ND	2.01	113.49	110.24
14	B2	805	CLA	CED-O2D-CGD	2.01	120.48	115.94
14	A4	828	CLA	C4C-C3C-C2C	-2.01	103.97	106.90
14	A3	827	CLA	C1D-ND-C4D	-2.01	104.91	106.33
14	B4	807	CLA	CAC-C3C-C4C	2.01	127.42	124.81
14	B6	823	CLA	CMC-C2C-C1C	2.01	128.10	125.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
16	J2	103	BCR	C30-C25-C26	-2.01	119.78	122.61
14	A5	823	CLA	CED-O2D-CGD	2.01	120.48	115.94
14	A4	810	CLA	C9-C8-C7	2.01	118.57	111.29
14	B2	814	CLA	C3D-C4D-ND	2.01	113.49	110.24
14	A3	827	CLA	CMC-C2C-C1C	2.01	128.10	125.04
16	A4	849	BCR	C30-C25-C26	-2.01	119.78	122.61
14	B2	824	CLA	C3B-C4B-NB	2.01	111.81	109.21
16	A1	845	BCR	C36-C18-C19	2.01	121.24	118.08
16	A5	847	BCR	C35-C13-C12	2.01	121.24	118.08
14	B3	1810	CLA	CAA-C2A-C3A	-2.01	107.28	112.78
14	A6	1638	CLA	O2D-CGD-O1D	-2.01	119.91	123.84
14	A1	822	CLA	CHC-C1C-C2C	-2.01	121.17	126.72
14	B5	1831	CLA	C3D-C2D-C1D	-2.01	103.09	105.83
14	B3	1809	CLA	CAC-C3C-C4C	2.01	127.42	124.81
14	B5	1827	CLA	O2A-CGA-CBA	2.01	120.17	112.23
14	B1	807	CLA	C1C-C2C-C3C	-2.01	104.84	106.96
14	A2	1607	CLA	C3C-C4C-NC	2.01	112.82	110.57
14	B4	811	CLA	CHC-C1C-C2C	-2.01	121.17	126.72
14	B4	810	CLA	C7-C6-C5	-2.01	107.91	113.36
14	B2	830	CLA	O2A-CGA-O1A	-2.01	118.53	123.59
16	I4	102	BCR	C35-C13-C12	2.01	121.24	118.08
14	A5	836	CLA	CHC-C1C-C2C	-2.01	121.17	126.72
14	B5	1812	CLA	C1D-CHD-C4C	-2.01	121.73	126.06
14	A4	821	CLA	O2A-CGA-O1A	-2.01	118.53	123.59
16	A6	1644	BCR	C38-C26-C27	-2.01	109.76	113.62
14	I1	101	CLA	C3B-C4B-NB	2.01	111.81	109.21
14	A3	805	CLA	C3C-C4C-NC	2.01	112.82	110.57
14	A2	1603	CLA	C6-C5-C3	-2.01	108.19	113.45
14	B2	831	CLA	CMB-C2B-C3B	2.01	128.43	124.68
16	B3	1848	BCR	C35-C13-C12	2.01	119.04	114.60
14	A5	837	CLA	CHD-C4C-C3C	-2.01	121.89	124.84
14	A3	832	CLA	CAC-C3C-C4C	2.01	127.41	124.81
14	B5	1836	CLA	C2D-C1D-ND	2.01	111.58	110.10
14	A3	842	CLA	O2A-CGA-O1A	-2.01	118.53	123.59
16	B6	845	BCR	C35-C13-C12	2.01	121.24	118.08
14	A1	801	CLA	CHB-C4A-NA	2.01	127.29	124.51
14	A1	807	CLA	CHB-C4A-NA	2.01	127.29	124.51
14	A5	822	CLA	CMC-C2C-C1C	2.01	128.09	125.04
14	A3	824	CLA	CMB-C2B-C3B	2.01	128.43	124.68
14	B2	813	CLA	C1-C2-C3	2.01	129.51	126.04
14	J4	102	CLA	C3D-C4D-ND	2.01	113.48	110.24
14	A1	815	CLA	C1C-C2C-C3C	-2.01	104.85	106.96

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B5	1821	CLA	CMC-C2C-C1C	2.01	128.09	125.04
14	B1	832	CLA	O2D-CGD-O1D	-2.01	119.92	123.84
14	A1	810	CLA	CMB-C2B-C3B	2.01	128.43	124.68
16	A4	849	BCR	C12-C13-C14	-2.01	115.86	118.94
16	I5	102	BCR	C12-C13-C14	-2.01	115.86	118.94
14	A2	1608	CLA	C2A-C3A-C4A	2.01	105.11	101.87
14	A6	1614	CLA	O1D-CGD-CBD	-2.01	120.38	124.48
16	L3	206	BCR	C1-C6-C5	-2.01	119.79	122.61
14	A1	802	CLA	CMB-C2B-C3B	2.01	128.43	124.68
14	B5	1837	CLA	CMB-C2B-C1B	-2.01	125.38	128.46
14	A2	1634	CLA	C1-C2-C3	2.01	129.51	126.04
14	A4	805	CLA	CAA-CBA-CGA	2.00	119.11	113.25
14	B4	830	CLA	CBA-CAA-C2A	2.00	119.78	113.86
14	B2	822	CLA	O2A-CGA-O1A	-2.00	118.30	123.30
14	K2	1401	CLA	CMB-C2B-C3B	2.00	128.43	124.68
14	B4	805	CLA	CMB-C2B-C3B	2.00	128.43	124.68
14	B6	811	CLA	CMB-C2B-C3B	2.00	128.43	124.68
14	M2	1201	CLA	O1D-CGD-CBD	-2.00	120.38	124.48
14	B5	1829	CLA	O1D-CGD-CBD	-2.00	120.38	124.48
14	L3	205	CLA	C4C-C3C-C2C	-2.00	103.97	106.90
14	A5	803	CLA	CHD-C1D-ND	-2.00	122.61	124.45
14	A4	839	CLA	C1C-C2C-C3C	-2.00	104.85	106.96
16	B3	1849	BCR	C34-C9-C8	2.00	121.23	118.08
14	A5	819	CLA	CHD-C4C-C3C	-2.00	121.89	124.84
14	L2	206	CLA	C3B-C4B-NB	2.00	111.80	109.21
14	A6	1628	CLA	C4A-NA-C1A	2.00	107.61	106.71
14	A4	817	CLA	C3D-C4D-ND	2.00	113.48	110.24
14	B3	1823	CLA	CMB-C2B-C3B	2.00	128.43	124.68
14	B2	825	CLA	O2A-CGA-O1A	-2.00	118.53	123.59
14	B3	1837	CLA	O2A-CGA-O1A	-2.00	118.31	123.30
14	A2	1624	CLA	CMC-C2C-C1C	2.00	128.09	125.04
14	B4	802	CLA	C1C-C2C-C3C	-2.00	104.85	106.96
14	A5	836	CLA	C1C-C2C-C3C	-2.00	104.85	106.96
14	B5	1827	CLA	C1C-C2C-C3C	-2.00	104.85	106.96
14	A3	805	CLA	C3B-C4B-NB	2.00	111.80	109.21
16	B1	844	BCR	C23-C22-C21	-2.00	115.87	118.94
14	A6	1614	CLA	CMB-C2B-C3B	2.00	128.43	124.68
14	B3	1816	CLA	C3D-C4D-ND	2.00	113.48	110.24
14	A5	812	CLA	CAC-C3C-C4C	2.00	127.41	124.81
14	B3	1813	CLA	O2A-CGA-CBA	2.00	120.47	114.03
14	A5	821	CLA	CHD-C4C-C3C	-2.00	121.90	124.84
14	A2	1610	CLA	CED-O2D-CGD	2.00	120.47	115.94

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
14	B2	804	CLA	CED-O2D-CGD	2.00	120.47	115.94
14	B4	830	CLA	C4-C3-C5	-2.00	111.90	115.27
14	J3	101	CLA	CMB-C2B-C3B	2.00	128.43	124.68
16	J3	104	BCR	C12-C13-C14	-2.00	115.87	118.94
14	A5	809	CLA	CAA-C2A-C1A	2.00	118.54	111.97
14	A1	810	CLA	C1C-C2C-C3C	-2.00	104.85	106.96
14	B2	834	CLA	C1C-C2C-C3C	-2.00	104.85	106.96
14	B1	823	CLA	C1-C2-C3	2.00	129.51	126.04
14	A1	821	CLA	C3D-C4D-ND	2.00	113.48	110.24
14	B3	1818	CLA	C3D-C4D-ND	2.00	113.48	110.24
14	J3	102	CLA	C3D-C4D-ND	2.00	113.48	110.24
16	B1	849	BCR	C23-C22-C21	-2.00	115.87	118.94
16	B2	846	BCR	C1-C6-C5	-2.00	119.79	122.61
14	L2	206	CLA	CHB-C4A-NA	2.00	127.28	124.51
14	B1	809	CLA	C2D-C1D-ND	2.00	111.58	110.10
14	B5	1809	CLA	C2D-C1D-ND	2.00	111.58	110.10
14	B6	834	CLA	CED-O2D-CGD	2.00	120.46	115.94
14	B4	809	CLA	C1C-C2C-C3C	-2.00	104.85	106.96
14	B1	825	CLA	CMC-C2C-C1C	2.00	128.09	125.04
14	L1	207	CLA	C4C-C3C-C2C	-2.00	103.98	106.90
14	A6	1604	CLA	C3D-C2D-C1D	-2.00	103.10	105.83
14	B3	1843	CLA	CED-O2D-CGD	2.00	120.46	115.94
16	B1	845	BCR	C28-C27-C26	2.00	117.65	114.08
14	B5	1806	CLA	O2D-CGD-O1D	-2.00	119.93	123.84
14	A1	807	CLA	CAC-C3C-C4C	2.00	127.41	124.81
14	B2	809	CLA	O2A-CGA-O1A	-2.00	118.54	123.59
14	L6	206	CLA	C12-C11-C10	-2.00	104.05	113.24
16	B6	847	BCR	C29-C30-C25	2.00	113.56	110.48

All (102) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
14	A1	802	CLA	ND
14	A1	804	CLA	ND
14	A1	805	CLA	ND
14	A1	812	CLA	ND
14	A1	824	CLA	ND
14	A1	826	CLA	ND
14	A1	834	CLA	ND
14	A1	840	CLA	ND
14	B1	807	CLA	ND
14	B1	808	CLA	ND

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
14	B1	814	CLA	ND
14	B1	825	CLA	ND
14	B1	827	CLA	ND
14	B1	838	CLA	ND
14	B1	854	CLA	ND
14	J1	101	CLA	ND
14	A2	1605	CLA	ND
14	A2	1607	CLA	ND
14	A2	1608	CLA	ND
14	A2	1615	CLA	ND
14	A2	1627	CLA	ND
14	A2	1629	CLA	ND
14	A2	1638	CLA	ND
14	A2	1645	CLA	ND
14	B2	804	CLA	ND
14	B2	805	CLA	ND
14	B2	809	CLA	ND
14	B2	812	CLA	ND
14	B2	823	CLA	ND
14	B2	825	CLA	ND
14	B2	836	CLA	ND
14	J2	101	CLA	ND
14	A3	803	CLA	ND
14	A3	805	CLA	ND
14	A3	806	CLA	ND
14	A3	813	CLA	ND
14	A3	825	CLA	ND
14	A3	827	CLA	ND
14	A3	837	CLA	ND
14	A3	844	CLA	ND
14	B3	1807	CLA	ND
14	B3	1808	CLA	ND
14	B3	1812	CLA	ND
14	B3	1815	CLA	ND
14	B3	1826	CLA	ND
14	B3	1828	CLA	ND
14	B3	1839	CLA	ND
14	J3	101	CLA	ND
14	A4	802	CLA	ND
14	A4	804	CLA	ND
14	A4	805	CLA	ND
14	A4	812	CLA	ND

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atom</b>
14	A4	824	CLA	ND
14	A4	826	CLA	ND
14	A4	835	CLA	ND
14	A4	842	CLA	ND
14	B4	807	CLA	ND
14	B4	808	CLA	ND
14	B4	812	CLA	ND
14	B4	815	CLA	ND
14	B4	826	CLA	ND
14	B4	828	CLA	ND
14	B4	839	CLA	ND
14	J4	101	CLA	ND
14	A6	1605	CLA	ND
14	A6	1606	CLA	ND
14	A6	1613	CLA	ND
14	A6	1625	CLA	ND
14	A6	1627	CLA	ND
14	A6	1636	CLA	ND
14	A6	1641	CLA	ND
14	B6	806	CLA	ND
14	B6	807	CLA	ND
14	B6	810	CLA	ND
14	B6	813	CLA	ND
14	B6	824	CLA	ND
14	B6	826	CLA	ND
14	B6	837	CLA	ND
14	J6	1101	CLA	ND
14	J6	1102	CLA	ND
14	A5	803	CLA	ND
14	A5	805	CLA	ND
14	A5	806	CLA	ND
14	A5	813	CLA	ND
14	A5	825	CLA	ND
14	A5	827	CLA	ND
14	A5	836	CLA	ND
14	B5	1807	CLA	ND
14	B5	1808	CLA	ND
14	B5	1812	CLA	ND
14	B5	1815	CLA	ND
14	B5	1826	CLA	ND
14	B5	1828	CLA	ND
14	B5	1839	CLA	ND

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Mol	Chain	Res	Type	Atom
14	J5	101	CLA	ND
14	K5	101	CLA	ND
17	A1	849	LHG	C2
17	A2	1654	LHG	C2
17	A3	854	LHG	C2
17	A4	851	LHG	C2
17	A6	1650	LHG	C2
17	A5	852	LHG	C2

All (5134) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
14	A1	803	CLA	C3A-C2A-CAA-CBA
14	A1	804	CLA	C1A-C2A-CAA-CBA
14	A1	804	CLA	C3A-C2A-CAA-CBA
14	A1	804	CLA	CHA-CBD-CGD-O1D
14	A1	804	CLA	CHA-CBD-CGD-O2D
14	A1	804	CLA	CAD-CBD-CGD-O1D
14	A1	804	CLA	O2A-C1-C2-C3
14	A1	805	CLA	C1A-C2A-CAA-CBA
14	A1	805	CLA	C2-C3-C5-C6
14	A1	807	CLA	C3A-C2A-CAA-CBA
14	A1	809	CLA	C1A-C2A-CAA-CBA
14	A1	809	CLA	C3A-C2A-CAA-CBA
14	A1	810	CLA	C1A-C2A-CAA-CBA
14	A1	810	CLA	C3A-C2A-CAA-CBA
14	A1	811	CLA	CBD-CGD-O2D-CED
14	A1	815	CLA	C1A-C2A-CAA-CBA
14	A1	815	CLA	C3A-C2A-CAA-CBA
14	A1	815	CLA	CBD-CGD-O2D-CED
14	A1	817	CLA	C3A-C2A-CAA-CBA
14	A1	818	CLA	C1A-C2A-CAA-CBA
14	A1	818	CLA	C3A-C2A-CAA-CBA
14	A1	819	CLA	C1A-C2A-CAA-CBA
14	A1	819	CLA	C3A-C2A-CAA-CBA
14	A1	819	CLA	CBD-CGD-O2D-CED
14	A1	821	CLA	C1A-C2A-CAA-CBA
14	A1	821	CLA	C3A-C2A-CAA-CBA
14	A1	821	CLA	C1-C2-C3-C4
14	A1	822	CLA	C4-C3-C5-C6
14	A1	827	CLA	C2-C3-C5-C6
14	A1	827	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	A1	829	CLA	CHA-CBD-CGD-O1D
14	A1	829	CLA	CHA-CBD-CGD-O2D
14	A1	833	CLA	C1A-C2A-CAA-CBA
14	A1	833	CLA	CHA-CBD-CGD-O1D
14	A1	833	CLA	CHA-CBD-CGD-O2D
14	A1	834	CLA	C4-C3-C5-C6
14	A1	837	CLA	CBD-CGD-O2D-CED
14	A1	837	CLA	C2-C3-C5-C6
14	A1	837	CLA	C4-C3-C5-C6
14	A1	838	CLA	C4-C3-C5-C6
14	A1	839	CLA	C4-C3-C5-C6
14	B1	802	CLA	O2A-C1-C2-C3
14	B1	803	CLA	CHA-CBD-CGD-O1D
14	B1	803	CLA	CHA-CBD-CGD-O2D
14	B1	804	CLA	CBD-CGD-O2D-CED
14	B1	807	CLA	C1A-C2A-CAA-CBA
14	B1	807	CLA	C3A-C2A-CAA-CBA
14	B1	808	CLA	C4-C3-C5-C6
14	B1	812	CLA	CBD-CGD-O2D-CED
14	B1	814	CLA	C1A-C2A-CAA-CBA
14	B1	816	CLA	C1A-C2A-CAA-CBA
14	B1	816	CLA	C2A-CAA-CBA-CGA
14	B1	817	CLA	C1A-C2A-CAA-CBA
14	B1	817	CLA	C3A-C2A-CAA-CBA
14	B1	818	CLA	C1A-C2A-CAA-CBA
14	B1	818	CLA	C3A-C2A-CAA-CBA
14	B1	819	CLA	C3A-C2A-CAA-CBA
14	B1	819	CLA	C2-C3-C5-C6
14	B1	819	CLA	C4-C3-C5-C6
14	B1	820	CLA	CHA-CBD-CGD-O1D
14	B1	820	CLA	CHA-CBD-CGD-O2D
14	B1	821	CLA	C3A-C2A-CAA-CBA
14	B1	826	CLA	C1A-C2A-CAA-CBA
14	B1	826	CLA	CHA-CBD-CGD-O1D
14	B1	826	CLA	CHA-CBD-CGD-O2D
14	B1	828	CLA	C3A-C2A-CAA-CBA
14	B1	829	CLA	C1A-C2A-CAA-CBA
14	B1	829	CLA	C3A-C2A-CAA-CBA
14	B1	830	CLA	CHA-CBD-CGD-O1D
14	B1	830	CLA	CHA-CBD-CGD-O2D
14	B1	831	CLA	C3A-C2A-CAA-CBA
14	B1	831	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	B1	833	CLA	C1A-C2A-CAA-CBA
14	B1	833	CLA	C3A-C2A-CAA-CBA
14	B1	837	CLA	CBD-CGD-O2D-CED
14	B1	841	CLA	C1A-C2A-CAA-CBA
14	B1	841	CLA	C3A-C2A-CAA-CBA
14	B1	853	CLA	C1A-C2A-CAA-CBA
14	B1	853	CLA	CBA-CGA-O2A-C1
14	B1	853	CLA	O1A-CGA-O2A-C1
14	B1	853	CLA	CHA-CBD-CGD-O1D
14	B1	853	CLA	CHA-CBD-CGD-O2D
14	B1	853	CLA	CAD-CBD-CGD-O1D
14	B1	853	CLA	CAD-CBD-CGD-O2D
14	B1	853	CLA	CBD-CGD-O2D-CED
14	J1	101	CLA	C1A-C2A-CAA-CBA
14	J1	101	CLA	C3A-C2A-CAA-CBA
14	J1	101	CLA	CAD-CBD-CGD-O1D
14	J1	101	CLA	CAD-CBD-CGD-O2D
14	L1	202	CLA	CHA-CBD-CGD-O1D
14	L1	202	CLA	CHA-CBD-CGD-O2D
14	L1	205	CLA	C1A-C2A-CAA-CBA
14	L1	205	CLA	C3A-C2A-CAA-CBA
14	A2	1601	CLA	C1A-C2A-CAA-CBA
14	A2	1601	CLA	C3A-C2A-CAA-CBA
14	A2	1601	CLA	CAD-CBD-CGD-O1D
14	A2	1601	CLA	CAD-CBD-CGD-O2D
14	A2	1601	CLA	CBD-CGD-O2D-CED
14	A2	1604	CLA	O2A-C1-C2-C3
14	A2	1606	CLA	C3A-C2A-CAA-CBA
14	A2	1607	CLA	C1A-C2A-CAA-CBA
14	A2	1607	CLA	C3A-C2A-CAA-CBA
14	A2	1607	CLA	CBA-CGA-O2A-C1
14	A2	1607	CLA	CHA-CBD-CGD-O1D
14	A2	1607	CLA	CHA-CBD-CGD-O2D
14	A2	1607	CLA	CAD-CBD-CGD-O1D
14	A2	1607	CLA	O2A-C1-C2-C3
14	A2	1608	CLA	C1A-C2A-CAA-CBA
14	A2	1610	CLA	C3A-C2A-CAA-CBA
14	A2	1612	CLA	C1A-C2A-CAA-CBA
14	A2	1612	CLA	C3A-C2A-CAA-CBA
14	A2	1613	CLA	C1A-C2A-CAA-CBA
14	A2	1613	CLA	C3A-C2A-CAA-CBA
14	A2	1614	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	A2	1618	CLA	C1A-C2A-CAA-CBA
14	A2	1618	CLA	C3A-C2A-CAA-CBA
14	A2	1618	CLA	CBD-CGD-O2D-CED
14	A2	1620	CLA	C3A-C2A-CAA-CBA
14	A2	1621	CLA	C1A-C2A-CAA-CBA
14	A2	1621	CLA	C3A-C2A-CAA-CBA
14	A2	1622	CLA	C1A-C2A-CAA-CBA
14	A2	1622	CLA	C3A-C2A-CAA-CBA
14	A2	1622	CLA	CBD-CGD-O2D-CED
14	A2	1624	CLA	C1A-C2A-CAA-CBA
14	A2	1624	CLA	C3A-C2A-CAA-CBA
14	A2	1624	CLA	C1-C2-C3-C4
14	A2	1625	CLA	C4-C3-C5-C6
14	A2	1630	CLA	C2-C3-C5-C6
14	A2	1630	CLA	C4-C3-C5-C6
14	A2	1632	CLA	CHA-CBD-CGD-O2D
14	A2	1637	CLA	C1A-C2A-CAA-CBA
14	A2	1637	CLA	CHA-CBD-CGD-O1D
14	A2	1637	CLA	CHA-CBD-CGD-O2D
14	A2	1638	CLA	C4-C3-C5-C6
14	A2	1641	CLA	CHA-CBD-CGD-O1D
14	A2	1641	CLA	CHA-CBD-CGD-O2D
14	A2	1642	CLA	CBD-CGD-O2D-CED
14	A2	1642	CLA	C2-C3-C5-C6
14	A2	1642	CLA	C4-C3-C5-C6
14	A2	1643	CLA	C4-C3-C5-C6
14	A2	1644	CLA	C4-C3-C5-C6
14	B2	801	CLA	CHA-CBD-CGD-O1D
14	B2	801	CLA	CBD-CGD-O2D-CED
14	B2	804	CLA	C1A-C2A-CAA-CBA
14	B2	804	CLA	C3A-C2A-CAA-CBA
14	B2	805	CLA	C4-C3-C5-C6
14	B2	810	CLA	CBD-CGD-O2D-CED
14	B2	814	CLA	C1A-C2A-CAA-CBA
14	B2	814	CLA	C2A-CAA-CBA-CGA
14	B2	815	CLA	C1A-C2A-CAA-CBA
14	B2	815	CLA	C3A-C2A-CAA-CBA
14	B2	816	CLA	C1A-C2A-CAA-CBA
14	B2	816	CLA	C3A-C2A-CAA-CBA
14	B2	817	CLA	C3A-C2A-CAA-CBA
14	B2	817	CLA	C2-C3-C5-C6
14	B2	817	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	B2	818	CLA	CHA-CBD-CGD-O1D
14	B2	819	CLA	C3A-C2A-CAA-CBA
14	B2	823	CLA	CHA-CBD-CGD-O2D
14	B2	824	CLA	C1A-C2A-CAA-CBA
14	B2	824	CLA	CHA-CBD-CGD-O1D
14	B2	824	CLA	CHA-CBD-CGD-O2D
14	B2	826	CLA	C3A-C2A-CAA-CBA
14	B2	827	CLA	C1A-C2A-CAA-CBA
14	B2	827	CLA	C3A-C2A-CAA-CBA
14	B2	828	CLA	CHA-CBD-CGD-O1D
14	B2	828	CLA	CHA-CBD-CGD-O2D
14	B2	829	CLA	C3A-C2A-CAA-CBA
14	B2	829	CLA	CBD-CGD-O2D-CED
14	B2	831	CLA	C1A-C2A-CAA-CBA
14	B2	831	CLA	C3A-C2A-CAA-CBA
14	B2	835	CLA	CBD-CGD-O2D-CED
14	B2	840	CLA	C1A-C2A-CAA-CBA
14	B2	840	CLA	C3A-C2A-CAA-CBA
14	J2	101	CLA	C1A-C2A-CAA-CBA
14	J2	101	CLA	C3A-C2A-CAA-CBA
14	J2	101	CLA	CAD-CBD-CGD-O1D
14	J2	101	CLA	CAD-CBD-CGD-O2D
14	J2	101	CLA	CBD-CGD-O2D-CED
14	L2	202	CLA	CHA-CBD-CGD-O1D
14	L2	202	CLA	CHA-CBD-CGD-O2D
14	L2	205	CLA	C1A-C2A-CAA-CBA
14	L2	205	CLA	C3A-C2A-CAA-CBA
14	A3	804	CLA	C3A-C2A-CAA-CBA
14	A3	805	CLA	C1A-C2A-CAA-CBA
14	A3	805	CLA	C3A-C2A-CAA-CBA
14	A3	805	CLA	CHA-CBD-CGD-O1D
14	A3	805	CLA	CHA-CBD-CGD-O2D
14	A3	805	CLA	CAD-CBD-CGD-O1D
14	A3	805	CLA	O2A-C1-C2-C3
14	A3	806	CLA	C1A-C2A-CAA-CBA
14	A3	806	CLA	C2-C3-C5-C6
14	A3	808	CLA	C3A-C2A-CAA-CBA
14	A3	810	CLA	C1A-C2A-CAA-CBA
14	A3	810	CLA	C3A-C2A-CAA-CBA
14	A3	811	CLA	C1A-C2A-CAA-CBA
14	A3	811	CLA	C3A-C2A-CAA-CBA
14	A3	812	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	A3	816	CLA	C1A-C2A-CAA-CBA
14	A3	816	CLA	C3A-C2A-CAA-CBA
14	A3	816	CLA	CBD-CGD-O2D-CED
14	A3	818	CLA	C3A-C2A-CAA-CBA
14	A3	819	CLA	C1A-C2A-CAA-CBA
14	A3	819	CLA	C3A-C2A-CAA-CBA
14	A3	820	CLA	C1A-C2A-CAA-CBA
14	A3	820	CLA	C3A-C2A-CAA-CBA
14	A3	820	CLA	CBD-CGD-O2D-CED
14	A3	822	CLA	C1A-C2A-CAA-CBA
14	A3	822	CLA	C3A-C2A-CAA-CBA
14	A3	822	CLA	C1-C2-C3-C4
14	A3	823	CLA	C4-C3-C5-C6
14	A3	828	CLA	C2-C3-C5-C6
14	A3	828	CLA	C4-C3-C5-C6
14	A3	830	CLA	CHA-CBD-CGD-O2D
14	A3	832	CLA	O1A-CGA-O2A-C1
14	A3	834	CLA	CHA-CBD-CGD-O1D
14	A3	834	CLA	CHA-CBD-CGD-O2D
14	A3	836	CLA	C1A-C2A-CAA-CBA
14	A3	836	CLA	CHA-CBD-CGD-O1D
14	A3	836	CLA	CHA-CBD-CGD-O2D
14	A3	837	CLA	C4-C3-C5-C6
14	A3	840	CLA	CHA-CBD-CGD-O1D
14	A3	840	CLA	CHA-CBD-CGD-O2D
14	A3	841	CLA	CBD-CGD-O2D-CED
14	A3	841	CLA	C2-C3-C5-C6
14	A3	841	CLA	C4-C3-C5-C6
14	A3	842	CLA	C4-C3-C5-C6
14	A3	843	CLA	O1A-CGA-O2A-C1
14	A3	843	CLA	C4-C3-C5-C6
14	A3	845	CLA	C1A-C2A-CAA-CBA
14	A3	845	CLA	CBA-CGA-O2A-C1
14	A3	845	CLA	O1A-CGA-O2A-C1
14	A3	845	CLA	CHA-CBD-CGD-O1D
14	A3	845	CLA	CHA-CBD-CGD-O2D
14	A3	845	CLA	CAD-CBD-CGD-O1D
14	A3	845	CLA	CAD-CBD-CGD-O2D
14	A3	845	CLA	CBD-CGD-O2D-CED
14	B3	1801	CLA	C1A-C2A-CAA-CBA
14	B3	1801	CLA	CBA-CGA-O2A-C1
14	B3	1801	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	B3	1801	CLA	CHA-CBD-CGD-O1D
14	B3	1801	CLA	CHA-CBD-CGD-O2D
14	B3	1801	CLA	CAD-CBD-CGD-O1D
14	B3	1801	CLA	CAD-CBD-CGD-O2D
14	B3	1801	CLA	CBD-CGD-O2D-CED
14	B3	1802	CLA	O2A-C1-C2-C3
14	B3	1803	CLA	CBD-CGD-O2D-CED
14	B3	1807	CLA	C1A-C2A-CAA-CBA
14	B3	1807	CLA	C3A-C2A-CAA-CBA
14	B3	1808	CLA	C4-C3-C5-C6
14	B3	1813	CLA	CBD-CGD-O2D-CED
14	B3	1815	CLA	C1A-C2A-CAA-CBA
14	B3	1817	CLA	C1A-C2A-CAA-CBA
14	B3	1817	CLA	C2A-CAA-CBA-CGA
14	B3	1818	CLA	C1A-C2A-CAA-CBA
14	B3	1818	CLA	C3A-C2A-CAA-CBA
14	B3	1819	CLA	C1A-C2A-CAA-CBA
14	B3	1819	CLA	C3A-C2A-CAA-CBA
14	B3	1820	CLA	C3A-C2A-CAA-CBA
14	B3	1820	CLA	C2-C3-C5-C6
14	B3	1820	CLA	C4-C3-C5-C6
14	B3	1822	CLA	C3A-C2A-CAA-CBA
14	B3	1826	CLA	CHA-CBD-CGD-O1D
14	B3	1826	CLA	CHA-CBD-CGD-O2D
14	B3	1827	CLA	C1A-C2A-CAA-CBA
14	B3	1827	CLA	CHA-CBD-CGD-O1D
14	B3	1827	CLA	CHA-CBD-CGD-O2D
14	B3	1829	CLA	C3A-C2A-CAA-CBA
14	B3	1830	CLA	C1A-C2A-CAA-CBA
14	B3	1830	CLA	C3A-C2A-CAA-CBA
14	B3	1831	CLA	CHA-CBD-CGD-O1D
14	B3	1831	CLA	CHA-CBD-CGD-O2D
14	B3	1832	CLA	C3A-C2A-CAA-CBA
14	B3	1832	CLA	CBD-CGD-O2D-CED
14	B3	1834	CLA	C1A-C2A-CAA-CBA
14	B3	1834	CLA	C3A-C2A-CAA-CBA
14	B3	1834	CLA	O2A-C1-C2-C3
14	B3	1838	CLA	CBD-CGD-O2D-CED
14	B3	1843	CLA	C1A-C2A-CAA-CBA
14	B3	1843	CLA	C3A-C2A-CAA-CBA
14	J3	101	CLA	C1A-C2A-CAA-CBA
14	J3	101	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	J3	101	CLA	CAD-CBD-CGD-O1D
14	J3	101	CLA	CAD-CBD-CGD-O2D
14	K3	1401	CLA	CBD-CGD-O2D-CED
14	L3	202	CLA	C1A-C2A-CAA-CBA
14	L3	202	CLA	C3A-C2A-CAA-CBA
14	L3	202	CLA	CAD-CBD-CGD-O1D
14	L3	203	CLA	C1A-C2A-CAA-CBA
14	L3	203	CLA	C3A-C2A-CAA-CBA
14	M3	1601	CLA	C1A-C2A-CAA-CBA
14	M3	1601	CLA	C3A-C2A-CAA-CBA
14	M3	1601	CLA	CAD-CBD-CGD-O1D
14	M3	1601	CLA	CBD-CGD-O2D-CED
14	A4	803	CLA	C3A-C2A-CAA-CBA
14	A4	804	CLA	C1A-C2A-CAA-CBA
14	A4	804	CLA	C3A-C2A-CAA-CBA
14	A4	804	CLA	CHA-CBD-CGD-O1D
14	A4	804	CLA	CHA-CBD-CGD-O2D
14	A4	804	CLA	CAD-CBD-CGD-O1D
14	A4	804	CLA	O2A-C1-C2-C3
14	A4	805	CLA	C1A-C2A-CAA-CBA
14	A4	805	CLA	C2-C3-C5-C6
14	A4	805	CLA	C4-C3-C5-C6
14	A4	807	CLA	C3A-C2A-CAA-CBA
14	A4	809	CLA	C1A-C2A-CAA-CBA
14	A4	809	CLA	C3A-C2A-CAA-CBA
14	A4	810	CLA	C1A-C2A-CAA-CBA
14	A4	810	CLA	C3A-C2A-CAA-CBA
14	A4	811	CLA	CBD-CGD-O2D-CED
14	A4	815	CLA	C1A-C2A-CAA-CBA
14	A4	815	CLA	C3A-C2A-CAA-CBA
14	A4	815	CLA	CBD-CGD-O2D-CED
14	A4	817	CLA	C3A-C2A-CAA-CBA
14	A4	818	CLA	C1A-C2A-CAA-CBA
14	A4	818	CLA	C3A-C2A-CAA-CBA
14	A4	819	CLA	C1A-C2A-CAA-CBA
14	A4	819	CLA	C3A-C2A-CAA-CBA
14	A4	819	CLA	CBD-CGD-O2D-CED
14	A4	821	CLA	C1A-C2A-CAA-CBA
14	A4	821	CLA	C3A-C2A-CAA-CBA
14	A4	821	CLA	C1-C2-C3-C4
14	A4	822	CLA	C4-C3-C5-C6
14	A4	827	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	A4	827	CLA	C4-C3-C5-C6
14	A4	829	CLA	CHA-CBD-CGD-O2D
14	A4	833	CLA	O1A-CGA-O2A-C1
14	A4	834	CLA	C1A-C2A-CAA-CBA
14	A4	834	CLA	CHA-CBD-CGD-O1D
14	A4	834	CLA	CHA-CBD-CGD-O2D
14	A4	835	CLA	C4-C3-C5-C6
14	A4	838	CLA	CHA-CBD-CGD-O1D
14	A4	838	CLA	CHA-CBD-CGD-O2D
14	A4	839	CLA	CBD-CGD-O2D-CED
14	A4	839	CLA	C2-C3-C5-C6
14	A4	839	CLA	C4-C3-C5-C6
14	A4	840	CLA	C4-C3-C5-C6
14	A4	841	CLA	C4-C3-C5-C6
14	A4	853	CLA	C1A-C2A-CAA-CBA
14	A4	853	CLA	C3A-C2A-CAA-CBA
14	A4	853	CLA	CAD-CBD-CGD-O1D
14	A4	853	CLA	CBD-CGD-O2D-CED
14	B4	802	CLA	O1A-CGA-O2A-C1
14	B4	802	CLA	O2A-C1-C2-C3
14	B4	803	CLA	CBD-CGD-O2D-CED
14	B4	807	CLA	C1A-C2A-CAA-CBA
14	B4	807	CLA	C3A-C2A-CAA-CBA
14	B4	808	CLA	C4-C3-C5-C6
14	B4	813	CLA	CBD-CGD-O2D-CED
14	B4	815	CLA	C1A-C2A-CAA-CBA
14	B4	817	CLA	C1A-C2A-CAA-CBA
14	B4	818	CLA	C1A-C2A-CAA-CBA
14	B4	818	CLA	C3A-C2A-CAA-CBA
14	B4	819	CLA	C1A-C2A-CAA-CBA
14	B4	819	CLA	C3A-C2A-CAA-CBA
14	B4	820	CLA	C3A-C2A-CAA-CBA
14	B4	820	CLA	C2-C3-C5-C6
14	B4	820	CLA	C4-C3-C5-C6
14	B4	822	CLA	C3A-C2A-CAA-CBA
14	B4	823	CLA	CBD-CGD-O2D-CED
14	B4	826	CLA	CHA-CBD-CGD-O2D
14	B4	827	CLA	C1A-C2A-CAA-CBA
14	B4	827	CLA	CHA-CBD-CGD-O1D
14	B4	827	CLA	CHA-CBD-CGD-O2D
14	B4	829	CLA	C3A-C2A-CAA-CBA
14	B4	830	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	B4	830	CLA	C3A-C2A-CAA-CBA
14	B4	831	CLA	CHA-CBD-CGD-O1D
14	B4	831	CLA	CHA-CBD-CGD-O2D
14	B4	832	CLA	C3A-C2A-CAA-CBA
14	B4	832	CLA	CBD-CGD-O2D-CED
14	B4	834	CLA	C1A-C2A-CAA-CBA
14	B4	834	CLA	C3A-C2A-CAA-CBA
14	B4	838	CLA	CBD-CGD-O2D-CED
14	B4	843	CLA	C1A-C2A-CAA-CBA
14	B4	843	CLA	C3A-C2A-CAA-CBA
14	B4	852	CLA	C1A-C2A-CAA-CBA
14	B4	852	CLA	CBA-CGA-O2A-C1
14	B4	852	CLA	O1A-CGA-O2A-C1
14	B4	852	CLA	CHA-CBD-CGD-O1D
14	B4	852	CLA	CHA-CBD-CGD-O2D
14	B4	852	CLA	CAD-CBD-CGD-O1D
14	B4	852	CLA	CAD-CBD-CGD-O2D
14	B4	852	CLA	CBD-CGD-O2D-CED
14	J4	101	CLA	C1A-C2A-CAA-CBA
14	J4	101	CLA	C3A-C2A-CAA-CBA
14	J4	101	CLA	CAD-CBD-CGD-O1D
14	J4	101	CLA	CAD-CBD-CGD-O2D
14	J4	101	CLA	CBD-CGD-O2D-CED
14	L4	201	CLA	CHA-CBD-CGD-O1D
14	L4	201	CLA	CHA-CBD-CGD-O2D
14	L4	203	CLA	C1A-C2A-CAA-CBA
14	L4	203	CLA	C3A-C2A-CAA-CBA
14	A6	1601	CLA	C1A-C2A-CAA-CBA
14	A6	1601	CLA	C3A-C2A-CAA-CBA
14	A6	1601	CLA	CAD-CBD-CGD-O1D
14	A6	1601	CLA	CAD-CBD-CGD-O2D
14	A6	1603	CLA	O2A-C1-C2-C3
14	A6	1604	CLA	C3A-C2A-CAA-CBA
14	A6	1605	CLA	C1A-C2A-CAA-CBA
14	A6	1605	CLA	C3A-C2A-CAA-CBA
14	A6	1605	CLA	CHA-CBD-CGD-O1D
14	A6	1605	CLA	CHA-CBD-CGD-O2D
14	A6	1605	CLA	CAD-CBD-CGD-O1D
14	A6	1605	CLA	O2A-C1-C2-C3
14	A6	1606	CLA	C1A-C2A-CAA-CBA
14	A6	1608	CLA	C3A-C2A-CAA-CBA
14	A6	1610	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	A6	1610	CLA	C3A-C2A-CAA-CBA
14	A6	1611	CLA	C1A-C2A-CAA-CBA
14	A6	1611	CLA	C3A-C2A-CAA-CBA
14	A6	1612	CLA	CBD-CGD-O2D-CED
14	A6	1616	CLA	C1A-C2A-CAA-CBA
14	A6	1616	CLA	C3A-C2A-CAA-CBA
14	A6	1616	CLA	CBD-CGD-O2D-CED
14	A6	1618	CLA	C3A-C2A-CAA-CBA
14	A6	1619	CLA	C1A-C2A-CAA-CBA
14	A6	1619	CLA	C3A-C2A-CAA-CBA
14	A6	1620	CLA	C1A-C2A-CAA-CBA
14	A6	1620	CLA	C3A-C2A-CAA-CBA
14	A6	1620	CLA	CBD-CGD-O2D-CED
14	A6	1622	CLA	C1A-C2A-CAA-CBA
14	A6	1622	CLA	C3A-C2A-CAA-CBA
14	A6	1622	CLA	C1-C2-C3-C4
14	A6	1623	CLA	C4-C3-C5-C6
14	A6	1628	CLA	C2-C3-C5-C6
14	A6	1628	CLA	C4-C3-C5-C6
14	A6	1630	CLA	CHA-CBD-CGD-O2D
14	A6	1633	CLA	CHA-CBD-CGD-O1D
14	A6	1633	CLA	CHA-CBD-CGD-O2D
14	A6	1635	CLA	C1A-C2A-CAA-CBA
14	A6	1635	CLA	CHA-CBD-CGD-O1D
14	A6	1635	CLA	CHA-CBD-CGD-O2D
14	A6	1636	CLA	C4-C3-C5-C6
14	A6	1639	CLA	C2-C3-C5-C6
14	A6	1639	CLA	C4-C3-C5-C6
14	A6	1640	CLA	C4-C3-C5-C6
14	B6	803	CLA	CHA-CBD-CGD-O1D
14	B6	803	CLA	CHA-CBD-CGD-O2D
14	B6	804	CLA	CHA-CBD-CGD-O1D
14	B6	804	CLA	CBD-CGD-O2D-CED
14	B6	806	CLA	C1A-C2A-CAA-CBA
14	B6	806	CLA	C3A-C2A-CAA-CBA
14	B6	807	CLA	C4-C3-C5-C6
14	B6	811	CLA	CBD-CGD-O2D-CED
14	B6	813	CLA	C1A-C2A-CAA-CBA
14	B6	815	CLA	C1A-C2A-CAA-CBA
14	B6	815	CLA	C2A-CAA-CBA-CGA
14	B6	816	CLA	C1A-C2A-CAA-CBA
14	B6	816	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	B6	817	CLA	C1A-C2A-CAA-CBA
14	B6	817	CLA	C3A-C2A-CAA-CBA
14	B6	818	CLA	C3A-C2A-CAA-CBA
14	B6	818	CLA	C2-C3-C5-C6
14	B6	818	CLA	C4-C3-C5-C6
14	B6	820	CLA	C3A-C2A-CAA-CBA
14	B6	824	CLA	CHA-CBD-CGD-O1D
14	B6	824	CLA	CHA-CBD-CGD-O2D
14	B6	825	CLA	C1A-C2A-CAA-CBA
14	B6	825	CLA	CHA-CBD-CGD-O1D
14	B6	825	CLA	CHA-CBD-CGD-O2D
14	B6	827	CLA	C3A-C2A-CAA-CBA
14	B6	828	CLA	C1A-C2A-CAA-CBA
14	B6	828	CLA	C3A-C2A-CAA-CBA
14	B6	829	CLA	CHA-CBD-CGD-O1D
14	B6	829	CLA	CHA-CBD-CGD-O2D
14	B6	830	CLA	C3A-C2A-CAA-CBA
14	B6	830	CLA	CBD-CGD-O2D-CED
14	B6	832	CLA	C1A-C2A-CAA-CBA
14	B6	832	CLA	C3A-C2A-CAA-CBA
14	B6	832	CLA	O2A-C1-C2-C3
14	B6	836	CLA	CBD-CGD-O2D-CED
14	B6	841	CLA	C1A-C2A-CAA-CBA
14	B6	841	CLA	C3A-C2A-CAA-CBA
14	J6	1102	CLA	C1A-C2A-CAA-CBA
14	J6	1102	CLA	C3A-C2A-CAA-CBA
14	J6	1102	CLA	CAD-CBD-CGD-O1D
14	J6	1102	CLA	CAD-CBD-CGD-O2D
14	K6	1401	CLA	CBD-CGD-O2D-CED
14	L6	203	CLA	C4-C3-C5-C6
14	L6	206	CLA	C1A-C2A-CAA-CBA
14	L6	206	CLA	C3A-C2A-CAA-CBA
14	A5	804	CLA	C3A-C2A-CAA-CBA
14	A5	805	CLA	C1A-C2A-CAA-CBA
14	A5	805	CLA	C3A-C2A-CAA-CBA
14	A5	805	CLA	CHA-CBD-CGD-O1D
14	A5	805	CLA	CHA-CBD-CGD-O2D
14	A5	805	CLA	CAD-CBD-CGD-O1D
14	A5	805	CLA	O2A-C1-C2-C3
14	A5	806	CLA	C1A-C2A-CAA-CBA
14	A5	808	CLA	C3A-C2A-CAA-CBA
14	A5	810	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	A5	810	CLA	C3A-C2A-CAA-CBA
14	A5	811	CLA	C1A-C2A-CAA-CBA
14	A5	811	CLA	C3A-C2A-CAA-CBA
14	A5	812	CLA	CBD-CGD-O2D-CED
14	A5	816	CLA	C1A-C2A-CAA-CBA
14	A5	816	CLA	C3A-C2A-CAA-CBA
14	A5	816	CLA	CBD-CGD-O2D-CED
14	A5	818	CLA	C3A-C2A-CAA-CBA
14	A5	819	CLA	C1A-C2A-CAA-CBA
14	A5	819	CLA	C3A-C2A-CAA-CBA
14	A5	820	CLA	C1A-C2A-CAA-CBA
14	A5	820	CLA	C3A-C2A-CAA-CBA
14	A5	820	CLA	O1A-CGA-O2A-C1
14	A5	822	CLA	C1A-C2A-CAA-CBA
14	A5	822	CLA	C3A-C2A-CAA-CBA
14	A5	822	CLA	C1-C2-C3-C4
14	A5	823	CLA	C4-C3-C5-C6
14	A5	828	CLA	C2-C3-C5-C6
14	A5	828	CLA	C4-C3-C5-C6
14	A5	830	CLA	CHA-CBD-CGD-O1D
14	A5	830	CLA	CHA-CBD-CGD-O2D
14	A5	835	CLA	C1A-C2A-CAA-CBA
14	A5	835	CLA	CHA-CBD-CGD-O1D
14	A5	835	CLA	CHA-CBD-CGD-O2D
14	A5	836	CLA	C4-C3-C5-C6
14	A5	839	CLA	CHA-CBD-CGD-O1D
14	A5	839	CLA	CHA-CBD-CGD-O2D
14	A5	840	CLA	CBD-CGD-O2D-CED
14	A5	840	CLA	C2-C3-C5-C6
14	A5	840	CLA	C4-C3-C5-C6
14	A5	841	CLA	C4-C3-C5-C6
14	A5	842	CLA	C4-C3-C5-C6
14	A5	843	CLA	C1A-C2A-CAA-CBA
14	A5	843	CLA	CBA-CGA-O2A-C1
14	A5	843	CLA	O1A-CGA-O2A-C1
14	A5	843	CLA	CHA-CBD-CGD-O1D
14	A5	843	CLA	CHA-CBD-CGD-O2D
14	A5	843	CLA	CAD-CBD-CGD-O1D
14	A5	843	CLA	CAD-CBD-CGD-O2D
14	A5	843	CLA	CBD-CGD-O2D-CED
14	B5	1801	CLA	C1A-C2A-CAA-CBA
14	B5	1801	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	B5	1801	CLA	O1A-CGA-O2A-C1
14	B5	1801	CLA	CHA-CBD-CGD-O1D
14	B5	1801	CLA	CHA-CBD-CGD-O2D
14	B5	1801	CLA	CAD-CBD-CGD-O1D
14	B5	1801	CLA	CAD-CBD-CGD-O2D
14	B5	1801	CLA	CBD-CGD-O2D-CED
14	B5	1802	CLA	O2A-C1-C2-C3
14	B5	1803	CLA	CBD-CGD-O2D-CED
14	B5	1807	CLA	C1A-C2A-CAA-CBA
14	B5	1807	CLA	C3A-C2A-CAA-CBA
14	B5	1808	CLA	C4-C3-C5-C6
14	B5	1813	CLA	CBD-CGD-O2D-CED
14	B5	1815	CLA	C1A-C2A-CAA-CBA
14	B5	1817	CLA	C1A-C2A-CAA-CBA
14	B5	1818	CLA	C1A-C2A-CAA-CBA
14	B5	1818	CLA	C3A-C2A-CAA-CBA
14	B5	1819	CLA	C1A-C2A-CAA-CBA
14	B5	1819	CLA	C3A-C2A-CAA-CBA
14	B5	1820	CLA	C3A-C2A-CAA-CBA
14	B5	1820	CLA	C2-C3-C5-C6
14	B5	1820	CLA	C4-C3-C5-C6
14	B5	1822	CLA	C3A-C2A-CAA-CBA
14	B5	1826	CLA	CHA-CBD-CGD-O2D
14	B5	1827	CLA	C1A-C2A-CAA-CBA
14	B5	1827	CLA	CHA-CBD-CGD-O2D
14	B5	1829	CLA	C3A-C2A-CAA-CBA
14	B5	1830	CLA	C1A-C2A-CAA-CBA
14	B5	1830	CLA	C3A-C2A-CAA-CBA
14	B5	1831	CLA	CHA-CBD-CGD-O1D
14	B5	1831	CLA	CHA-CBD-CGD-O2D
14	B5	1832	CLA	C3A-C2A-CAA-CBA
14	B5	1832	CLA	CBD-CGD-O2D-CED
14	B5	1834	CLA	C1A-C2A-CAA-CBA
14	B5	1834	CLA	C3A-C2A-CAA-CBA
14	B5	1843	CLA	C1A-C2A-CAA-CBA
14	B5	1843	CLA	C3A-C2A-CAA-CBA
14	J5	101	CLA	C1A-C2A-CAA-CBA
14	J5	101	CLA	C3A-C2A-CAA-CBA
14	J5	101	CLA	CAD-CBD-CGD-O1D
14	J5	101	CLA	CAD-CBD-CGD-O2D
14	J5	101	CLA	CBD-CGD-O2D-CED
14	K5	102	CLA	CBD-CGD-O2D-CED

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	L5	202	CLA	C1A-C2A-CAA-CBA
14	L5	202	CLA	C3A-C2A-CAA-CBA
14	L5	202	CLA	CAD-CBD-CGD-O1D
14	L5	202	CLA	CAD-CBD-CGD-O2D
14	L5	202	CLA	CBD-CGD-O2D-CED
14	L5	203	CLA	CHA-CBD-CGD-O1D
14	L5	203	CLA	CHA-CBD-CGD-O2D
14	L5	204	CLA	C1A-C2A-CAA-CBA
14	L5	204	CLA	C3A-C2A-CAA-CBA
15	A1	841	PQN	C14-C13-C15-C16
15	A2	1646	PQN	C14-C13-C15-C16
15	A3	846	PQN	C14-C13-C15-C16
15	A4	843	PQN	C14-C13-C15-C16
15	A6	1642	PQN	C14-C13-C15-C16
15	A5	844	PQN	C14-C13-C15-C16
16	A1	845	BCR	C23-C24-C25-C26
16	B1	847	BCR	C23-C24-C25-C26
16	B1	847	BCR	C23-C24-C25-C30
16	J1	103	BCR	C1-C6-C7-C8
16	J1	103	BCR	C5-C6-C7-C8
16	J1	104	BCR	C23-C24-C25-C26
16	J1	104	BCR	C23-C24-C25-C30
16	M1	1202	BCR	C23-C24-C25-C30
16	A2	1650	BCR	C23-C24-C25-C26
16	B2	846	BCR	C23-C24-C25-C26
16	B2	846	BCR	C23-C24-C25-C30
16	J2	102	BCR	C1-C6-C7-C8
16	J2	102	BCR	C5-C6-C7-C8
16	J2	103	BCR	C23-C24-C25-C26
16	J2	103	BCR	C23-C24-C25-C30
16	M2	1202	BCR	C23-C24-C25-C30
16	A3	850	BCR	C23-C24-C25-C26
16	A3	850	BCR	C23-C24-C25-C30
16	B3	1849	BCR	C23-C24-C25-C26
16	B3	1849	BCR	C23-C24-C25-C30
16	J3	103	BCR	C1-C6-C7-C8
16	J3	103	BCR	C5-C6-C7-C8
16	J3	104	BCR	C23-C24-C25-C26
16	J3	104	BCR	C23-C24-C25-C30
16	M3	1602	BCR	C23-C24-C25-C30
16	A4	847	BCR	C23-C24-C25-C26
16	B4	849	BCR	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
16	B4	849	BCR	C23-C24-C25-C30
16	J4	103	BCR	C1-C6-C7-C8
16	J4	103	BCR	C5-C6-C7-C8
16	J4	104	BCR	C23-C24-C25-C26
16	J4	104	BCR	C23-C24-C25-C30
16	M4	101	BCR	C23-C24-C25-C30
16	A6	1646	BCR	C23-C24-C25-C26
16	B6	847	BCR	C23-C24-C25-C26
16	B6	847	BCR	C23-C24-C25-C30
16	J6	1104	BCR	C1-C6-C7-C8
16	J6	1104	BCR	C5-C6-C7-C8
16	J6	1105	BCR	C23-C24-C25-C26
16	J6	1105	BCR	C23-C24-C25-C30
16	M6	1202	BCR	C23-C24-C25-C30
16	A5	848	BCR	C23-C24-C25-C26
16	B5	1849	BCR	C23-C24-C25-C26
16	B5	1849	BCR	C23-C24-C25-C30
16	J5	103	BCR	C1-C6-C7-C8
16	J5	103	BCR	C5-C6-C7-C8
16	J5	104	BCR	C23-C24-C25-C26
16	J5	104	BCR	C23-C24-C25-C30
16	M5	101	BCR	C23-C24-C25-C30
17	B1	851	LHG	O1-C1-C2-C3
17	B2	849	LHG	O1-C1-C2-C3
17	X3	101	LHG	O1-C1-C2-O2
17	X3	101	LHG	O1-C1-C2-C3
17	X4	101	LHG	O1-C1-C2-O2
17	X4	101	LHG	O1-C1-C2-C3
17	X4	101	LHG	C4-O6-P-O5
17	B6	849	LHG	O1-C1-C2-C3
17	B6	849	LHG	C4-O6-P-O5
17	X5	102	LHG	O1-C1-C2-C3
14	A1	815	CLA	O1D-CGD-O2D-CED
14	A1	837	CLA	O1D-CGD-O2D-CED
14	B1	835	CLA	O1D-CGD-O2D-CED
14	A2	1642	CLA	O1D-CGD-O2D-CED
14	B2	833	CLA	O1D-CGD-O2D-CED
14	A3	816	CLA	O1D-CGD-O2D-CED
14	A3	841	CLA	O1D-CGD-O2D-CED
14	B3	1836	CLA	O1D-CGD-O2D-CED
14	A4	839	CLA	O1D-CGD-O2D-CED
14	B4	836	CLA	O1D-CGD-O2D-CED

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	A6	1616	CLA	O1D-CGD-O2D-CED
14	A6	1639	CLA	O1D-CGD-O2D-CED
14	A5	840	CLA	O1D-CGD-O2D-CED
14	B5	1836	CLA	O1D-CGD-O2D-CED
14	A4	815	CLA	O1D-CGD-O2D-CED
14	B6	834	CLA	O1D-CGD-O2D-CED
14	A1	805	CLA	CBD-CGD-O2D-CED
14	A1	808	CLA	CBD-CGD-O2D-CED
14	A1	809	CLA	CBD-CGD-O2D-CED
14	A1	810	CLA	CBD-CGD-O2D-CED
14	A1	814	CLA	CBD-CGD-O2D-CED
14	A1	838	CLA	CBD-CGD-O2D-CED
14	B1	816	CLA	CBD-CGD-O2D-CED
14	B1	822	CLA	CBD-CGD-O2D-CED
14	B1	823	CLA	CBD-CGD-O2D-CED
14	B1	832	CLA	CBD-CGD-O2D-CED
14	B1	835	CLA	CBD-CGD-O2D-CED
14	F1	1301	CLA	CBD-CGD-O2D-CED
14	J1	101	CLA	CBD-CGD-O2D-CED
14	K1	1401	CLA	CBD-CGD-O2D-CED
14	M1	1201	CLA	CBD-CGD-O2D-CED
14	A2	1608	CLA	CBD-CGD-O2D-CED
14	A2	1611	CLA	CBD-CGD-O2D-CED
14	A2	1612	CLA	CBD-CGD-O2D-CED
14	A2	1613	CLA	CBD-CGD-O2D-CED
14	A2	1617	CLA	CBD-CGD-O2D-CED
14	A2	1643	CLA	CBD-CGD-O2D-CED
14	B2	814	CLA	CBD-CGD-O2D-CED
14	B2	820	CLA	CBD-CGD-O2D-CED
14	B2	821	CLA	CBD-CGD-O2D-CED
14	B2	830	CLA	CBD-CGD-O2D-CED
14	B2	833	CLA	CBD-CGD-O2D-CED
14	F2	202	CLA	CBD-CGD-O2D-CED
14	K2	1401	CLA	CBD-CGD-O2D-CED
14	M2	1201	CLA	CBD-CGD-O2D-CED
14	A3	806	CLA	CBD-CGD-O2D-CED
14	A3	809	CLA	CBD-CGD-O2D-CED
14	A3	810	CLA	CBD-CGD-O2D-CED
14	A3	811	CLA	CBD-CGD-O2D-CED
14	A3	815	CLA	CBD-CGD-O2D-CED
14	A3	842	CLA	CBD-CGD-O2D-CED
14	B3	1806	CLA	CBD-CGD-O2D-CED

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	B3	1817	CLA	CBD-CGD-O2D-CED
14	B3	1823	CLA	CBD-CGD-O2D-CED
14	B3	1824	CLA	CBD-CGD-O2D-CED
14	B3	1833	CLA	CBD-CGD-O2D-CED
14	B3	1836	CLA	CBD-CGD-O2D-CED
14	F3	202	CLA	CBD-CGD-O2D-CED
14	J3	101	CLA	CBD-CGD-O2D-CED
14	L3	202	CLA	CBD-CGD-O2D-CED
14	A4	805	CLA	CBD-CGD-O2D-CED
14	A4	808	CLA	CBD-CGD-O2D-CED
14	A4	809	CLA	CBD-CGD-O2D-CED
14	A4	810	CLA	CBD-CGD-O2D-CED
14	A4	814	CLA	CBD-CGD-O2D-CED
14	A4	821	CLA	CBD-CGD-O2D-CED
14	A4	840	CLA	CBD-CGD-O2D-CED
14	B4	806	CLA	CBD-CGD-O2D-CED
14	B4	817	CLA	CBD-CGD-O2D-CED
14	B4	824	CLA	CBD-CGD-O2D-CED
14	B4	833	CLA	CBD-CGD-O2D-CED
14	B4	836	CLA	CBD-CGD-O2D-CED
14	F4	202	CLA	CBD-CGD-O2D-CED
14	K4	1401	CLA	CBD-CGD-O2D-CED
14	X4	102	CLA	CBD-CGD-O2D-CED
14	A6	1601	CLA	CBD-CGD-O2D-CED
14	A6	1606	CLA	CBD-CGD-O2D-CED
14	A6	1609	CLA	CBD-CGD-O2D-CED
14	A6	1610	CLA	CBD-CGD-O2D-CED
14	A6	1611	CLA	CBD-CGD-O2D-CED
14	A6	1615	CLA	CBD-CGD-O2D-CED
14	A6	1639	CLA	CBD-CGD-O2D-CED
14	A6	1640	CLA	CBD-CGD-O2D-CED
14	B6	815	CLA	CBD-CGD-O2D-CED
14	B6	821	CLA	CBD-CGD-O2D-CED
14	B6	822	CLA	CBD-CGD-O2D-CED
14	B6	831	CLA	CBD-CGD-O2D-CED
14	B6	834	CLA	CBD-CGD-O2D-CED
14	F6	202	CLA	CBD-CGD-O2D-CED
14	J6	1102	CLA	CBD-CGD-O2D-CED
14	M6	1201	CLA	CBD-CGD-O2D-CED
14	A5	806	CLA	CBD-CGD-O2D-CED
14	A5	809	CLA	CBD-CGD-O2D-CED
14	A5	810	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	A5	811	CLA	CBD-CGD-O2D-CED
14	A5	815	CLA	CBD-CGD-O2D-CED
14	A5	820	CLA	CBD-CGD-O2D-CED
14	A5	841	CLA	CBD-CGD-O2D-CED
14	B5	1806	CLA	CBD-CGD-O2D-CED
14	B5	1817	CLA	CBD-CGD-O2D-CED
14	B5	1823	CLA	CBD-CGD-O2D-CED
14	B5	1824	CLA	CBD-CGD-O2D-CED
14	B5	1833	CLA	CBD-CGD-O2D-CED
14	B5	1836	CLA	CBD-CGD-O2D-CED
14	B5	1838	CLA	CBD-CGD-O2D-CED
14	F5	1301	CLA	CBD-CGD-O2D-CED
14	L5	203	CLA	CBD-CGD-O2D-CED
14	A1	804	CLA	O1A-CGA-O2A-C1
14	A1	819	CLA	O1A-CGA-O2A-C1
14	B1	802	CLA	O1A-CGA-O2A-C1
14	L1	201	CLA	O1A-CGA-O2A-C1
14	A2	1607	CLA	O1A-CGA-O2A-C1
14	A2	1622	CLA	O1A-CGA-O2A-C1
14	A2	1636	CLA	O1A-CGA-O2A-C1
14	A3	805	CLA	O1A-CGA-O2A-C1
14	A3	820	CLA	O1A-CGA-O2A-C1
14	A3	835	CLA	O1A-CGA-O2A-C1
14	B3	1802	CLA	O1A-CGA-O2A-C1
14	A4	804	CLA	O1A-CGA-O2A-C1
14	A4	819	CLA	O1A-CGA-O2A-C1
14	A4	831	CLA	O1A-CGA-O2A-C1
14	A6	1605	CLA	O1A-CGA-O2A-C1
14	A6	1620	CLA	O1A-CGA-O2A-C1
14	L6	202	CLA	O1A-CGA-O2A-C1
14	A5	805	CLA	O1A-CGA-O2A-C1
14	B5	1802	CLA	O1A-CGA-O2A-C1
14	B1	812	CLA	O1D-CGD-O2D-CED
14	B1	823	CLA	O1D-CGD-O2D-CED
14	A2	1618	CLA	O1D-CGD-O2D-CED
14	B2	821	CLA	O1D-CGD-O2D-CED
14	B3	1824	CLA	O1D-CGD-O2D-CED
14	B4	824	CLA	O1D-CGD-O2D-CED
14	B6	822	CLA	O1D-CGD-O2D-CED
14	A5	816	CLA	O1D-CGD-O2D-CED
14	B5	1824	CLA	O1D-CGD-O2D-CED
14	B1	804	CLA	O1D-CGD-O2D-CED

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	K1	1401	CLA	O1D-CGD-O2D-CED
14	A2	1601	CLA	O1D-CGD-O2D-CED
14	A2	1614	CLA	O1D-CGD-O2D-CED
14	B2	810	CLA	O1D-CGD-O2D-CED
14	J2	101	CLA	O1D-CGD-O2D-CED
14	K2	1401	CLA	O1D-CGD-O2D-CED
14	A3	812	CLA	O1D-CGD-O2D-CED
14	B3	1803	CLA	O1D-CGD-O2D-CED
14	B3	1813	CLA	O1D-CGD-O2D-CED
14	K3	1401	CLA	O1D-CGD-O2D-CED
14	A4	819	CLA	O1D-CGD-O2D-CED
14	B4	803	CLA	O1D-CGD-O2D-CED
14	B4	813	CLA	O1D-CGD-O2D-CED
14	K4	1401	CLA	O1D-CGD-O2D-CED
14	B6	811	CLA	O1D-CGD-O2D-CED
14	K6	1401	CLA	O1D-CGD-O2D-CED
14	B5	1813	CLA	O1D-CGD-O2D-CED
14	K5	102	CLA	O1D-CGD-O2D-CED
14	A1	804	CLA	CBA-CGA-O2A-C1
14	L1	201	CLA	CBA-CGA-O2A-C1
14	A2	1644	CLA	CBA-CGA-O2A-C1
14	A3	805	CLA	CBA-CGA-O2A-C1
14	A3	843	CLA	CBA-CGA-O2A-C1
14	A4	804	CLA	CBA-CGA-O2A-C1
14	A4	833	CLA	CBA-CGA-O2A-C1
14	A4	841	CLA	CBA-CGA-O2A-C1
14	A6	1605	CLA	CBA-CGA-O2A-C1
14	A6	1634	CLA	CBA-CGA-O2A-C1
14	A5	805	CLA	CBA-CGA-O2A-C1
14	A5	842	CLA	CBA-CGA-O2A-C1
14	A1	803	CLA	CBD-CGD-O2D-CED
14	A1	806	CLA	CBD-CGD-O2D-CED
14	A1	807	CLA	CBD-CGD-O2D-CED
14	A1	821	CLA	CBD-CGD-O2D-CED
14	A1	827	CLA	CBD-CGD-O2D-CED
14	A1	828	CLA	CBD-CGD-O2D-CED
14	B1	834	CLA	CBD-CGD-O2D-CED
14	L1	202	CLA	CBD-CGD-O2D-CED
14	L1	207	CLA	CBD-CGD-O2D-CED
14	X1	1701	CLA	CBD-CGD-O2D-CED
14	A2	1606	CLA	CBD-CGD-O2D-CED
14	A2	1609	CLA	CBD-CGD-O2D-CED

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	A2	1610	CLA	CBD-CGD-O2D-CED
14	A2	1624	CLA	CBD-CGD-O2D-CED
14	A2	1625	CLA	CBD-CGD-O2D-CED
14	A2	1630	CLA	CBD-CGD-O2D-CED
14	A2	1631	CLA	CBD-CGD-O2D-CED
14	B2	832	CLA	CBD-CGD-O2D-CED
14	B2	838	CLA	CBD-CGD-O2D-CED
14	L2	202	CLA	CBD-CGD-O2D-CED
14	L2	207	CLA	CBD-CGD-O2D-CED
14	X2	1701	CLA	CBD-CGD-O2D-CED
14	A3	804	CLA	CBD-CGD-O2D-CED
14	A3	807	CLA	CBD-CGD-O2D-CED
14	A3	808	CLA	CBD-CGD-O2D-CED
14	A3	822	CLA	CBD-CGD-O2D-CED
14	A3	828	CLA	CBD-CGD-O2D-CED
14	A3	829	CLA	CBD-CGD-O2D-CED
14	A3	834	CLA	CBD-CGD-O2D-CED
14	B3	1835	CLA	CBD-CGD-O2D-CED
14	L3	205	CLA	CBD-CGD-O2D-CED
14	X3	102	CLA	CBD-CGD-O2D-CED
14	A4	803	CLA	CBD-CGD-O2D-CED
14	A4	806	CLA	CBD-CGD-O2D-CED
14	A4	807	CLA	CBD-CGD-O2D-CED
14	A4	822	CLA	CBD-CGD-O2D-CED
14	A4	827	CLA	CBD-CGD-O2D-CED
14	A4	828	CLA	CBD-CGD-O2D-CED
14	B4	835	CLA	CBD-CGD-O2D-CED
14	B4	841	CLA	CBD-CGD-O2D-CED
14	L4	201	CLA	CBD-CGD-O2D-CED
14	L4	205	CLA	CBD-CGD-O2D-CED
14	A6	1604	CLA	CBD-CGD-O2D-CED
14	A6	1607	CLA	CBD-CGD-O2D-CED
14	A6	1608	CLA	CBD-CGD-O2D-CED
14	A6	1622	CLA	CBD-CGD-O2D-CED
14	A6	1624	CLA	CBD-CGD-O2D-CED
14	A6	1628	CLA	CBD-CGD-O2D-CED
14	A6	1629	CLA	CBD-CGD-O2D-CED
14	A6	1633	CLA	CBD-CGD-O2D-CED
14	B6	833	CLA	CBD-CGD-O2D-CED
14	B6	839	CLA	CBD-CGD-O2D-CED
14	L6	208	CLA	CBD-CGD-O2D-CED
14	X6	1701	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	A5	804	CLA	CBD-CGD-O2D-CED
14	A5	807	CLA	CBD-CGD-O2D-CED
14	A5	808	CLA	CBD-CGD-O2D-CED
14	A5	822	CLA	CBD-CGD-O2D-CED
14	A5	828	CLA	CBD-CGD-O2D-CED
14	A5	829	CLA	CBD-CGD-O2D-CED
14	B5	1835	CLA	CBD-CGD-O2D-CED
14	L5	206	CLA	CBD-CGD-O2D-CED
14	X5	101	CLA	CBD-CGD-O2D-CED
14	A1	811	CLA	O1A-CGA-O2A-C1
14	A1	832	CLA	O1A-CGA-O2A-C1
14	A1	834	CLA	O1A-CGA-O2A-C1
14	A1	839	CLA	O1A-CGA-O2A-C1
14	A2	1604	CLA	O1A-CGA-O2A-C1
14	A2	1614	CLA	O1A-CGA-O2A-C1
14	A2	1634	CLA	O1A-CGA-O2A-C1
14	A2	1638	CLA	O1A-CGA-O2A-C1
14	A2	1644	CLA	O1A-CGA-O2A-C1
14	A3	812	CLA	O1A-CGA-O2A-C1
14	A3	837	CLA	O1A-CGA-O2A-C1
14	A4	811	CLA	O1A-CGA-O2A-C1
14	A4	835	CLA	O1A-CGA-O2A-C1
14	A4	841	CLA	O1A-CGA-O2A-C1
14	A6	1603	CLA	O1A-CGA-O2A-C1
14	A6	1612	CLA	O1A-CGA-O2A-C1
14	A6	1634	CLA	O1A-CGA-O2A-C1
14	A6	1636	CLA	O1A-CGA-O2A-C1
14	L6	203	CLA	O1A-CGA-O2A-C1
14	A5	812	CLA	O1A-CGA-O2A-C1
14	A5	832	CLA	O1A-CGA-O2A-C1
14	A5	834	CLA	O1A-CGA-O2A-C1
14	A5	836	CLA	O1A-CGA-O2A-C1
14	A5	842	CLA	O1A-CGA-O2A-C1
14	B1	853	CLA	O1D-CGD-O2D-CED
14	B2	801	CLA	O1D-CGD-O2D-CED
14	B2	829	CLA	O1D-CGD-O2D-CED
14	A3	845	CLA	O1D-CGD-O2D-CED
14	B3	1801	CLA	O1D-CGD-O2D-CED
14	A4	811	CLA	O1D-CGD-O2D-CED
14	B4	852	CLA	O1D-CGD-O2D-CED
14	A5	843	CLA	O1D-CGD-O2D-CED
14	B5	1801	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	L5	202	CLA	O1D-CGD-O2D-CED
14	A1	811	CLA	O1D-CGD-O2D-CED
14	A1	819	CLA	O1D-CGD-O2D-CED
14	B1	831	CLA	O1D-CGD-O2D-CED
14	J1	101	CLA	O1D-CGD-O2D-CED
14	A2	1622	CLA	O1D-CGD-O2D-CED
14	B2	835	CLA	O1D-CGD-O2D-CED
14	A3	820	CLA	O1D-CGD-O2D-CED
14	B3	1823	CLA	O1D-CGD-O2D-CED
14	J3	101	CLA	O1D-CGD-O2D-CED
14	M3	1601	CLA	O1D-CGD-O2D-CED
14	A4	853	CLA	O1D-CGD-O2D-CED
14	B4	823	CLA	O1D-CGD-O2D-CED
14	B4	832	CLA	O1D-CGD-O2D-CED
14	B4	838	CLA	O1D-CGD-O2D-CED
14	J4	101	CLA	O1D-CGD-O2D-CED
14	A6	1601	CLA	O1D-CGD-O2D-CED
14	A6	1612	CLA	O1D-CGD-O2D-CED
14	A6	1620	CLA	O1D-CGD-O2D-CED
14	B6	804	CLA	O1D-CGD-O2D-CED
14	B6	830	CLA	O1D-CGD-O2D-CED
14	B6	836	CLA	O1D-CGD-O2D-CED
14	J6	1102	CLA	O1D-CGD-O2D-CED
14	A5	812	CLA	O1D-CGD-O2D-CED
14	B5	1803	CLA	O1D-CGD-O2D-CED
14	B5	1832	CLA	O1D-CGD-O2D-CED
14	J5	101	CLA	O1D-CGD-O2D-CED
14	A1	822	CLA	CBD-CGD-O2D-CED
14	B1	840	CLA	CBD-CGD-O2D-CED
14	A2	1626	CLA	CBD-CGD-O2D-CED
14	B2	805	CLA	CBD-CGD-O2D-CED
14	A3	824	CLA	CBD-CGD-O2D-CED
14	B3	1808	CLA	CBD-CGD-O2D-CED
14	B3	1841	CLA	CBD-CGD-O2D-CED
14	B4	808	CLA	CBD-CGD-O2D-CED
14	A6	1623	CLA	CBD-CGD-O2D-CED
14	A5	824	CLA	CBD-CGD-O2D-CED
14	B5	1841	CLA	CBD-CGD-O2D-CED
14	B1	822	CLA	O1D-CGD-O2D-CED
14	B1	837	CLA	O1D-CGD-O2D-CED
14	B2	820	CLA	O1D-CGD-O2D-CED
14	B3	1832	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	B3	1838	CLA	O1D-CGD-O2D-CED
14	L3	202	CLA	O1D-CGD-O2D-CED
14	B6	821	CLA	O1D-CGD-O2D-CED
14	A5	820	CLA	O1D-CGD-O2D-CED
17	B1	851	LHG	O9-C7-O7-C5
17	B2	849	LHG	O9-C7-O7-C5
17	X3	101	LHG	O9-C7-O7-C5
17	X4	101	LHG	O9-C7-O7-C5
17	B6	849	LHG	O9-C7-O7-C5
17	X5	102	LHG	O9-C7-O7-C5
14	A1	804	CLA	C3-C5-C6-C7
14	A1	808	CLA	C3-C5-C6-C7
14	A1	811	CLA	C3-C5-C6-C7
14	B1	811	CLA	C3-C5-C6-C7
14	A2	1607	CLA	C3-C5-C6-C7
14	A2	1611	CLA	C3-C5-C6-C7
14	A2	1614	CLA	C3-C5-C6-C7
14	B2	808	CLA	C3-C5-C6-C7
14	A3	805	CLA	C3-C5-C6-C7
14	A3	809	CLA	C3-C5-C6-C7
14	A3	812	CLA	C3-C5-C6-C7
14	B3	1811	CLA	C3-C5-C6-C7
14	A4	804	CLA	C3-C5-C6-C7
14	A4	808	CLA	C3-C5-C6-C7
14	A4	811	CLA	C3-C5-C6-C7
14	B4	811	CLA	C3-C5-C6-C7
14	A6	1605	CLA	C3-C5-C6-C7
14	A6	1609	CLA	C3-C5-C6-C7
14	A6	1612	CLA	C3-C5-C6-C7
14	B6	809	CLA	C3-C5-C6-C7
14	A5	809	CLA	C3-C5-C6-C7
14	A5	812	CLA	C3-C5-C6-C7
14	B5	1811	CLA	C3-C5-C6-C7
14	A1	815	CLA	CBA-CGA-O2A-C1
14	A1	819	CLA	CBA-CGA-O2A-C1
14	A1	832	CLA	CBA-CGA-O2A-C1
14	A1	834	CLA	CBA-CGA-O2A-C1
14	A1	836	CLA	CBA-CGA-O2A-C1
14	A1	839	CLA	CBA-CGA-O2A-C1
14	B1	802	CLA	CBA-CGA-O2A-C1
14	L1	205	CLA	CBA-CGA-O2A-C1
14	A2	1618	CLA	CBA-CGA-O2A-C1

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	A2	1622	CLA	CBA-CGA-O2A-C1
14	A2	1636	CLA	CBA-CGA-O2A-C1
14	A2	1638	CLA	CBA-CGA-O2A-C1
14	A2	1640	CLA	CBA-CGA-O2A-C1
14	L2	205	CLA	CBA-CGA-O2A-C1
14	A3	820	CLA	CBA-CGA-O2A-C1
14	A3	832	CLA	CBA-CGA-O2A-C1
14	A3	835	CLA	CBA-CGA-O2A-C1
14	A3	837	CLA	CBA-CGA-O2A-C1
14	A3	839	CLA	CBA-CGA-O2A-C1
14	L3	203	CLA	CBA-CGA-O2A-C1
14	A4	815	CLA	CBA-CGA-O2A-C1
14	A4	819	CLA	CBA-CGA-O2A-C1
14	A4	823	CLA	CBA-CGA-O2A-C1
14	A4	831	CLA	CBA-CGA-O2A-C1
14	A4	835	CLA	CBA-CGA-O2A-C1
14	A4	837	CLA	CBA-CGA-O2A-C1
14	L4	203	CLA	CBA-CGA-O2A-C1
14	A6	1616	CLA	CBA-CGA-O2A-C1
14	A6	1619	CLA	CBA-CGA-O2A-C1
14	A6	1620	CLA	CBA-CGA-O2A-C1
14	A6	1624	CLA	CBA-CGA-O2A-C1
14	A6	1636	CLA	CBA-CGA-O2A-C1
14	A6	1638	CLA	CBA-CGA-O2A-C1
14	L6	202	CLA	CBA-CGA-O2A-C1
14	L6	203	CLA	CBA-CGA-O2A-C1
14	L6	206	CLA	CBA-CGA-O2A-C1
14	A5	816	CLA	CBA-CGA-O2A-C1
14	A5	820	CLA	CBA-CGA-O2A-C1
14	A5	824	CLA	CBA-CGA-O2A-C1
14	A5	834	CLA	CBA-CGA-O2A-C1
14	A5	836	CLA	CBA-CGA-O2A-C1
14	B5	1802	CLA	CBA-CGA-O2A-C1
14	L5	204	CLA	CBA-CGA-O2A-C1
17	B1	851	LHG	C24-C23-O8-C6
17	B2	849	LHG	C24-C23-O8-C6
17	X3	101	LHG	C24-C23-O8-C6
17	X4	101	LHG	C24-C23-O8-C6
17	B6	849	LHG	C24-C23-O8-C6
17	X5	102	LHG	C24-C23-O8-C6
17	B1	851	LHG	C8-C7-O7-C5
17	B2	849	LHG	C8-C7-O7-C5

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Mol	Chain	Res	Type	Atoms
17	X4	101	LHG	C8-C7-O7-C5
17	X5	102	LHG	C8-C7-O7-C5
14	A2	1612	CLA	O1D-CGD-O2D-CED
14	B4	806	CLA	O1D-CGD-O2D-CED
14	B5	1823	CLA	O1D-CGD-O2D-CED
14	B5	1838	CLA	O1D-CGD-O2D-CED
14	A1	823	CLA	CBD-CGD-O2D-CED
14	A4	823	CLA	CBD-CGD-O2D-CED
14	B6	807	CLA	CBD-CGD-O2D-CED
14	B5	1808	CLA	CBD-CGD-O2D-CED
14	A1	805	CLA	C4-C3-C5-C6
14	A2	1608	CLA	C4-C3-C5-C6
14	A3	806	CLA	C4-C3-C5-C6
14	A6	1606	CLA	C4-C3-C5-C6
14	A5	806	CLA	C4-C3-C5-C6
14	A1	838	CLA	C2-C3-C5-C6
14	B1	808	CLA	C2-C3-C5-C6
14	A2	1608	CLA	C2-C3-C5-C6
14	A2	1643	CLA	C2-C3-C5-C6
14	A2	1644	CLA	C2-C3-C5-C6
14	B2	805	CLA	C2-C3-C5-C6
14	A3	842	CLA	C2-C3-C5-C6
14	A3	843	CLA	C2-C3-C5-C6
14	B3	1808	CLA	C2-C3-C5-C6
14	A4	840	CLA	C2-C3-C5-C6
14	B4	808	CLA	C2-C3-C5-C6
14	A6	1606	CLA	C2-C3-C5-C6
14	A6	1640	CLA	C2-C3-C5-C6
14	L6	203	CLA	C2-C3-C5-C6
14	A5	806	CLA	C2-C3-C5-C6
14	A5	841	CLA	C2-C3-C5-C6
14	A5	842	CLA	C2-C3-C5-C6
14	B5	1808	CLA	C2-C3-C5-C6
15	A1	841	PQN	C12-C13-C15-C16
15	A2	1646	PQN	C12-C13-C15-C16
15	A3	846	PQN	C12-C13-C15-C16
15	A4	843	PQN	C12-C13-C15-C16
15	A6	1642	PQN	C12-C13-C15-C16
15	A5	844	PQN	C12-C13-C15-C16
14	B1	808	CLA	CBD-CGD-O2D-CED
14	B2	840	CLA	CBD-CGD-O2D-CED
14	A3	823	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	A5	823	CLA	CBD-CGD-O2D-CED
14	A1	828	CLA	C2A-CAA-CBA-CGA
14	B1	831	CLA	C2A-CAA-CBA-CGA
14	B1	832	CLA	C2A-CAA-CBA-CGA
14	I1	101	CLA	C2A-CAA-CBA-CGA
14	A2	1631	CLA	C2A-CAA-CBA-CGA
14	B2	829	CLA	C2A-CAA-CBA-CGA
14	B2	830	CLA	C2A-CAA-CBA-CGA
14	B2	839	CLA	C2A-CAA-CBA-CGA
14	A3	829	CLA	C2A-CAA-CBA-CGA
14	B3	1832	CLA	C2A-CAA-CBA-CGA
14	B3	1833	CLA	C2A-CAA-CBA-CGA
14	B3	1842	CLA	C2A-CAA-CBA-CGA
14	A4	828	CLA	C2A-CAA-CBA-CGA
14	B4	817	CLA	C2A-CAA-CBA-CGA
14	B4	832	CLA	C2A-CAA-CBA-CGA
14	B4	833	CLA	C2A-CAA-CBA-CGA
14	B4	842	CLA	C2A-CAA-CBA-CGA
14	A6	1629	CLA	C2A-CAA-CBA-CGA
14	B6	830	CLA	C2A-CAA-CBA-CGA
14	B6	831	CLA	C2A-CAA-CBA-CGA
14	B6	840	CLA	C2A-CAA-CBA-CGA
14	A5	829	CLA	C2A-CAA-CBA-CGA
14	B5	1817	CLA	C2A-CAA-CBA-CGA
14	B5	1832	CLA	C2A-CAA-CBA-CGA
14	B5	1833	CLA	C2A-CAA-CBA-CGA
14	B5	1842	CLA	C2A-CAA-CBA-CGA
14	A4	810	CLA	O1D-CGD-O2D-CED
14	A5	809	CLA	O1D-CGD-O2D-CED
14	A5	805	CLA	C3-C5-C6-C7
14	A1	807	CLA	CBA-CGA-O2A-C1
14	A1	811	CLA	CBA-CGA-O2A-C1
14	A1	818	CLA	CBA-CGA-O2A-C1
14	A1	823	CLA	CBA-CGA-O2A-C1
14	B1	821	CLA	CBA-CGA-O2A-C1
14	L1	206	CLA	CBA-CGA-O2A-C1
14	A2	1604	CLA	CBA-CGA-O2A-C1
14	A2	1610	CLA	CBA-CGA-O2A-C1
14	A2	1614	CLA	CBA-CGA-O2A-C1
14	A2	1621	CLA	CBA-CGA-O2A-C1
14	A2	1626	CLA	CBA-CGA-O2A-C1
14	A2	1634	CLA	CBA-CGA-O2A-C1

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	L2	206	CLA	CBA-CGA-O2A-C1
14	A3	808	CLA	CBA-CGA-O2A-C1
14	A3	812	CLA	CBA-CGA-O2A-C1
14	A3	816	CLA	CBA-CGA-O2A-C1
14	A3	819	CLA	CBA-CGA-O2A-C1
14	A3	824	CLA	CBA-CGA-O2A-C1
14	B3	1802	CLA	CBA-CGA-O2A-C1
14	B3	1822	CLA	CBA-CGA-O2A-C1
14	L3	204	CLA	CBA-CGA-O2A-C1
14	A4	811	CLA	CBA-CGA-O2A-C1
14	A4	818	CLA	CBA-CGA-O2A-C1
14	B4	802	CLA	CBA-CGA-O2A-C1
14	B4	822	CLA	CBA-CGA-O2A-C1
14	L4	204	CLA	CBA-CGA-O2A-C1
14	A6	1603	CLA	CBA-CGA-O2A-C1
14	A6	1612	CLA	CBA-CGA-O2A-C1
14	A5	808	CLA	CBA-CGA-O2A-C1
14	A5	812	CLA	CBA-CGA-O2A-C1
14	A5	819	CLA	CBA-CGA-O2A-C1
14	A5	832	CLA	CBA-CGA-O2A-C1
14	A5	838	CLA	CBA-CGA-O2A-C1
14	L5	205	CLA	CBA-CGA-O2A-C1
14	M1	1201	CLA	O1D-CGD-O2D-CED
14	A3	810	CLA	O1D-CGD-O2D-CED
14	B3	1806	CLA	O1D-CGD-O2D-CED
14	A6	1610	CLA	O1D-CGD-O2D-CED
14	A5	806	CLA	O1D-CGD-O2D-CED
14	A5	810	CLA	O1D-CGD-O2D-CED
14	B1	854	CLA	CBD-CGD-O2D-CED
14	A2	1634	CLA	CBD-CGD-O2D-CED
14	B2	807	CLA	CBD-CGD-O2D-CED
14	B2	831	CLA	CBD-CGD-O2D-CED
14	A1	809	CLA	O1D-CGD-O2D-CED
14	A1	810	CLA	O1D-CGD-O2D-CED
14	B1	816	CLA	O1D-CGD-O2D-CED
14	F1	1301	CLA	O1D-CGD-O2D-CED
14	A2	1611	CLA	O1D-CGD-O2D-CED
14	A2	1613	CLA	O1D-CGD-O2D-CED
14	F2	202	CLA	O1D-CGD-O2D-CED
14	M2	1201	CLA	O1D-CGD-O2D-CED
14	A3	809	CLA	O1D-CGD-O2D-CED
14	A3	811	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	F3	202	CLA	O1D-CGD-O2D-CED
14	A4	805	CLA	O1D-CGD-O2D-CED
14	F4	202	CLA	O1D-CGD-O2D-CED
14	A6	1606	CLA	O1D-CGD-O2D-CED
14	A6	1611	CLA	O1D-CGD-O2D-CED
14	F6	202	CLA	O1D-CGD-O2D-CED
14	A5	811	CLA	O1D-CGD-O2D-CED
14	A5	815	CLA	O1D-CGD-O2D-CED
14	F5	1301	CLA	O1D-CGD-O2D-CED
14	A1	815	CLA	O1A-CGA-O2A-C1
14	A1	822	CLA	O1A-CGA-O2A-C1
14	A1	836	CLA	O1A-CGA-O2A-C1
14	B1	817	CLA	O1A-CGA-O2A-C1
14	A2	1625	CLA	O1A-CGA-O2A-C1
14	B2	815	CLA	O1A-CGA-O2A-C1
14	A3	816	CLA	O1A-CGA-O2A-C1
14	A3	823	CLA	O1A-CGA-O2A-C1
14	B3	1818	CLA	O1A-CGA-O2A-C1
14	A4	815	CLA	O1A-CGA-O2A-C1
14	A4	822	CLA	O1A-CGA-O2A-C1
14	A4	837	CLA	O1A-CGA-O2A-C1
14	B4	818	CLA	O1A-CGA-O2A-C1
14	A6	1616	CLA	O1A-CGA-O2A-C1
14	A5	816	CLA	O1A-CGA-O2A-C1
14	A5	838	CLA	O1A-CGA-O2A-C1
14	B5	1818	CLA	O1A-CGA-O2A-C1
14	L5	204	CLA	O1A-CGA-O2A-C1
14	A1	805	CLA	O1D-CGD-O2D-CED
14	A3	806	CLA	O1D-CGD-O2D-CED
14	A4	809	CLA	O1D-CGD-O2D-CED
14	M6	1201	CLA	O1D-CGD-O2D-CED
14	B5	1806	CLA	O1D-CGD-O2D-CED
14	A1	817	CLA	CBD-CGD-O2D-CED
14	B1	810	CLA	CBD-CGD-O2D-CED
14	B1	833	CLA	CBD-CGD-O2D-CED
14	B1	841	CLA	CBD-CGD-O2D-CED
14	B2	809	CLA	CBD-CGD-O2D-CED
14	B3	1810	CLA	CBD-CGD-O2D-CED
14	B3	1812	CLA	CBD-CGD-O2D-CED
14	B3	1834	CLA	CBD-CGD-O2D-CED
14	B3	1843	CLA	CBD-CGD-O2D-CED
14	B4	810	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	B4	812	CLA	CBD-CGD-O2D-CED
14	B4	834	CLA	CBD-CGD-O2D-CED
14	B4	843	CLA	CBD-CGD-O2D-CED
14	A6	1605	CLA	CBD-CGD-O2D-CED
14	B6	808	CLA	CBD-CGD-O2D-CED
14	B6	810	CLA	CBD-CGD-O2D-CED
14	B6	841	CLA	CBD-CGD-O2D-CED
14	B5	1812	CLA	CBD-CGD-O2D-CED
14	B5	1834	CLA	CBD-CGD-O2D-CED
14	A1	808	CLA	O1D-CGD-O2D-CED
14	A1	838	CLA	O1D-CGD-O2D-CED
14	B1	832	CLA	O1D-CGD-O2D-CED
14	A2	1608	CLA	O1D-CGD-O2D-CED
14	B2	814	CLA	O1D-CGD-O2D-CED
14	A3	815	CLA	O1D-CGD-O2D-CED
14	A4	808	CLA	O1D-CGD-O2D-CED
14	A4	814	CLA	O1D-CGD-O2D-CED
14	A4	840	CLA	O1D-CGD-O2D-CED
14	A6	1609	CLA	O1D-CGD-O2D-CED
14	B5	1817	CLA	O1D-CGD-O2D-CED
17	A1	849	LHG	O2-C2-C3-O3
17	A2	1654	LHG	O2-C2-C3-O3
17	A3	854	LHG	O2-C2-C3-O3
17	A4	851	LHG	O2-C2-C3-O3
17	A6	1650	LHG	O2-C2-C3-O3
17	A5	852	LHG	O2-C2-C3-O3
14	A1	824	CLA	C3-C5-C6-C7
14	B1	810	CLA	C3-C5-C6-C7
14	A2	1627	CLA	C3-C5-C6-C7
14	B2	807	CLA	C3-C5-C6-C7
14	A3	825	CLA	C3-C5-C6-C7
14	B3	1810	CLA	C3-C5-C6-C7
14	A4	824	CLA	C3-C5-C6-C7
14	A6	1625	CLA	C3-C5-C6-C7
14	A5	825	CLA	C3-C5-C6-C7
14	B5	1810	CLA	C3-C5-C6-C7
14	A1	830	CLA	CBA-CGA-O2A-C1
14	B1	817	CLA	CBA-CGA-O2A-C1
14	A2	1625	CLA	CBA-CGA-O2A-C1
14	A2	1633	CLA	CBA-CGA-O2A-C1
14	B2	819	CLA	CBA-CGA-O2A-C1
14	A3	831	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	B3	1818	CLA	CBA-CGA-O2A-C1
14	A4	807	CLA	CBA-CGA-O2A-C1
14	A4	822	CLA	CBA-CGA-O2A-C1
14	A4	830	CLA	CBA-CGA-O2A-C1
14	A6	1608	CLA	CBA-CGA-O2A-C1
14	A6	1623	CLA	CBA-CGA-O2A-C1
14	A6	1631	CLA	CBA-CGA-O2A-C1
14	B6	816	CLA	CBA-CGA-O2A-C1
14	B6	820	CLA	CBA-CGA-O2A-C1
14	L6	207	CLA	CBA-CGA-O2A-C1
14	A5	831	CLA	CBA-CGA-O2A-C1
14	B5	1818	CLA	CBA-CGA-O2A-C1
14	B5	1822	CLA	CBA-CGA-O2A-C1
14	A1	823	CLA	O1A-CGA-O2A-C1
14	L1	205	CLA	O1A-CGA-O2A-C1
14	A2	1618	CLA	O1A-CGA-O2A-C1
14	A2	1626	CLA	O1A-CGA-O2A-C1
14	A2	1640	CLA	O1A-CGA-O2A-C1
14	L2	205	CLA	O1A-CGA-O2A-C1
14	A3	824	CLA	O1A-CGA-O2A-C1
14	A3	839	CLA	O1A-CGA-O2A-C1
14	L3	203	CLA	O1A-CGA-O2A-C1
14	A4	823	CLA	O1A-CGA-O2A-C1
14	L4	203	CLA	O1A-CGA-O2A-C1
14	A6	1619	CLA	O1A-CGA-O2A-C1
14	A6	1623	CLA	O1A-CGA-O2A-C1
14	A6	1624	CLA	O1A-CGA-O2A-C1
14	A6	1638	CLA	O1A-CGA-O2A-C1
14	B6	816	CLA	O1A-CGA-O2A-C1
14	L6	206	CLA	O1A-CGA-O2A-C1
14	A5	819	CLA	O1A-CGA-O2A-C1
14	A5	823	CLA	O1A-CGA-O2A-C1
14	A5	824	CLA	O1A-CGA-O2A-C1
19	B1	850	LMG	O6-C5-C6-O5
19	B5	1851	LMG	O6-C5-C6-O5
14	A1	814	CLA	O1D-CGD-O2D-CED
14	A2	1617	CLA	O1D-CGD-O2D-CED
14	B2	830	CLA	O1D-CGD-O2D-CED
14	A3	842	CLA	O1D-CGD-O2D-CED
14	B3	1833	CLA	O1D-CGD-O2D-CED
17	X3	101	LHG	C8-C7-O7-C5
17	B6	849	LHG	C8-C7-O7-C5

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Mol	Chain	Res	Type	Atoms
14	A1	804	CLA	CBD-CGD-O2D-CED
14	B1	807	CLA	CBD-CGD-O2D-CED
14	A2	1620	CLA	CBD-CGD-O2D-CED
14	A2	1644	CLA	CBD-CGD-O2D-CED
14	A3	805	CLA	CBD-CGD-O2D-CED
14	A3	818	CLA	CBD-CGD-O2D-CED
14	A4	817	CLA	CBD-CGD-O2D-CED
14	A4	831	CLA	CBD-CGD-O2D-CED
14	B6	806	CLA	CBD-CGD-O2D-CED
14	A5	805	CLA	CBD-CGD-O2D-CED
14	A5	818	CLA	CBD-CGD-O2D-CED
14	B5	1810	CLA	CBD-CGD-O2D-CED
19	B2	848	LMG	O6-C5-C6-O5
19	B3	1850	LMG	O6-C5-C6-O5
19	B6	848	LMG	O6-C5-C6-O5
14	B4	833	CLA	O1D-CGD-O2D-CED
14	A6	1615	CLA	O1D-CGD-O2D-CED
14	L3	204	CLA	O1A-CGA-O2A-C1
14	B6	820	CLA	O1A-CGA-O2A-C1
14	L6	207	CLA	O1A-CGA-O2A-C1
14	A2	1643	CLA	O1D-CGD-O2D-CED
14	B4	817	CLA	O1D-CGD-O2D-CED
14	B6	815	CLA	O1D-CGD-O2D-CED
14	B6	831	CLA	O1D-CGD-O2D-CED
14	B5	1843	CLA	CBD-CGD-O2D-CED
14	I1	101	CLA	C3-C5-C6-C7
14	B2	839	CLA	C3-C5-C6-C7
14	B3	1842	CLA	C3-C5-C6-C7
14	B4	810	CLA	C3-C5-C6-C7
14	B4	842	CLA	C3-C5-C6-C7
14	B6	807	CLA	C3-C5-C6-C7
14	B6	808	CLA	C3-C5-C6-C7
14	B6	840	CLA	C3-C5-C6-C7
14	B5	1808	CLA	C3-C5-C6-C7
14	B5	1842	CLA	C3-C5-C6-C7
14	A1	822	CLA	CBA-CGA-O2A-C1
14	B2	815	CLA	CBA-CGA-O2A-C1
14	A3	823	CLA	CBA-CGA-O2A-C1
14	B4	818	CLA	CBA-CGA-O2A-C1
14	A5	823	CLA	CBA-CGA-O2A-C1
14	B5	1820	CLA	CBA-CGA-O2A-C1
14	A4	821	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	A6	1640	CLA	O1D-CGD-O2D-CED
19	B4	851	LMG	O6-C5-C6-O5
14	A1	807	CLA	O1A-CGA-O2A-C1
14	A1	818	CLA	O1A-CGA-O2A-C1
14	B1	821	CLA	O1A-CGA-O2A-C1
14	L1	206	CLA	O1A-CGA-O2A-C1
14	A2	1610	CLA	O1A-CGA-O2A-C1
14	B2	819	CLA	O1A-CGA-O2A-C1
14	L2	206	CLA	O1A-CGA-O2A-C1
14	A3	808	CLA	O1A-CGA-O2A-C1
14	A3	819	CLA	O1A-CGA-O2A-C1
14	B3	1822	CLA	O1A-CGA-O2A-C1
14	A4	807	CLA	O1A-CGA-O2A-C1
14	A4	818	CLA	O1A-CGA-O2A-C1
14	A4	830	CLA	O1A-CGA-O2A-C1
14	B4	822	CLA	O1A-CGA-O2A-C1
14	L4	204	CLA	O1A-CGA-O2A-C1
14	A6	1608	CLA	O1A-CGA-O2A-C1
14	A5	831	CLA	O1A-CGA-O2A-C1
14	B5	1822	CLA	O1A-CGA-O2A-C1
14	L5	205	CLA	O1A-CGA-O2A-C1
14	A1	832	CLA	C4-C3-C5-C6
14	B1	805	CLA	C4-C3-C5-C6
14	B1	817	CLA	C4-C3-C5-C6
14	B1	825	CLA	C4-C3-C5-C6
14	A2	1636	CLA	C4-C3-C5-C6
14	B2	802	CLA	C4-C3-C5-C6
14	B2	815	CLA	C4-C3-C5-C6
14	B2	823	CLA	C4-C3-C5-C6
14	A3	835	CLA	C4-C3-C5-C6
14	B3	1804	CLA	C4-C3-C5-C6
14	B3	1818	CLA	C4-C3-C5-C6
14	B3	1826	CLA	C4-C3-C5-C6
14	A4	833	CLA	C4-C3-C5-C6
14	B4	804	CLA	C4-C3-C5-C6
14	B4	818	CLA	C4-C3-C5-C6
14	B4	826	CLA	C4-C3-C5-C6
14	A6	1634	CLA	C4-C3-C5-C6
14	A6	1651	CLA	C4-C3-C5-C6
14	B6	816	CLA	C4-C3-C5-C6
14	B6	824	CLA	C4-C3-C5-C6
14	A5	834	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	B5	1804	CLA	C4-C3-C5-C6
14	B5	1818	CLA	C4-C3-C5-C6
14	B5	1826	CLA	C4-C3-C5-C6
14	A1	832	CLA	C2-C3-C5-C6
14	A1	839	CLA	C2-C3-C5-C6
14	B1	805	CLA	C2-C3-C5-C6
14	B1	817	CLA	C2-C3-C5-C6
14	B1	825	CLA	C2-C3-C5-C6
14	A2	1636	CLA	C2-C3-C5-C6
14	B2	802	CLA	C2-C3-C5-C6
14	B2	815	CLA	C2-C3-C5-C6
14	B2	823	CLA	C2-C3-C5-C6
14	A3	835	CLA	C2-C3-C5-C6
14	B3	1804	CLA	C2-C3-C5-C6
14	B3	1818	CLA	C2-C3-C5-C6
14	B3	1826	CLA	C2-C3-C5-C6
14	A4	833	CLA	C2-C3-C5-C6
14	A4	841	CLA	C2-C3-C5-C6
14	B4	804	CLA	C2-C3-C5-C6
14	B4	818	CLA	C2-C3-C5-C6
14	B4	826	CLA	C2-C3-C5-C6
14	A6	1634	CLA	C2-C3-C5-C6
14	A6	1651	CLA	C2-C3-C5-C6
14	B6	807	CLA	C2-C3-C5-C6
14	B6	816	CLA	C2-C3-C5-C6
14	B6	824	CLA	C2-C3-C5-C6
14	A5	834	CLA	C2-C3-C5-C6
14	B5	1804	CLA	C2-C3-C5-C6
14	B5	1818	CLA	C2-C3-C5-C6
14	B5	1826	CLA	C2-C3-C5-C6
14	B5	1833	CLA	O1D-CGD-O2D-CED
14	L5	203	CLA	O1D-CGD-O2D-CED
14	A1	827	CLA	O1A-CGA-O2A-C1
14	A2	1621	CLA	O1A-CGA-O2A-C1
14	A2	1630	CLA	O1A-CGA-O2A-C1
14	A3	831	CLA	O1A-CGA-O2A-C1
14	A4	827	CLA	O1A-CGA-O2A-C1
14	A6	1628	CLA	O1A-CGA-O2A-C1
14	A6	1631	CLA	O1A-CGA-O2A-C1
14	A5	808	CLA	O1A-CGA-O2A-C1
14	A5	828	CLA	O1A-CGA-O2A-C1
14	A5	841	CLA	O1D-CGD-O2D-CED

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	A1	827	CLA	CBA-CGA-O2A-C1
14	B1	819	CLA	CBA-CGA-O2A-C1
14	A2	1630	CLA	CBA-CGA-O2A-C1
14	B2	817	CLA	CBA-CGA-O2A-C1
14	A3	811	CLA	CBA-CGA-O2A-C1
14	B3	1820	CLA	CBA-CGA-O2A-C1
14	B3	1839	CLA	CBA-CGA-O2A-C1
14	A4	827	CLA	CBA-CGA-O2A-C1
14	B4	828	CLA	CBA-CGA-O2A-C1
14	A6	1611	CLA	CBA-CGA-O2A-C1
14	A6	1628	CLA	CBA-CGA-O2A-C1
14	B6	818	CLA	CBA-CGA-O2A-C1
14	B6	837	CLA	CBA-CGA-O2A-C1
14	A5	828	CLA	CBA-CGA-O2A-C1
14	A2	1607	CLA	CBD-CGD-O2D-CED
14	A2	1624	CLA	O1D-CGD-O2D-CED
14	A1	821	CLA	O1D-CGD-O2D-CED
14	B2	832	CLA	O1D-CGD-O2D-CED
14	B3	1817	CLA	O1D-CGD-O2D-CED
14	X3	102	CLA	O1D-CGD-O2D-CED
14	X4	102	CLA	O1D-CGD-O2D-CED
14	A6	1607	CLA	O1D-CGD-O2D-CED
14	A6	1622	CLA	O1D-CGD-O2D-CED
14	B6	833	CLA	O1D-CGD-O2D-CED
14	A5	822	CLA	O1D-CGD-O2D-CED
14	X5	101	CLA	O1D-CGD-O2D-CED
14	A1	830	CLA	O1A-CGA-O2A-C1
14	A2	1633	CLA	O1A-CGA-O2A-C1
14	A1	803	CLA	O1D-CGD-O2D-CED
14	A1	806	CLA	O1D-CGD-O2D-CED
14	L1	202	CLA	O1D-CGD-O2D-CED
14	X1	1701	CLA	O1D-CGD-O2D-CED
14	A2	1609	CLA	O1D-CGD-O2D-CED
14	L2	202	CLA	O1D-CGD-O2D-CED
14	L2	207	CLA	O1D-CGD-O2D-CED
14	A3	804	CLA	O1D-CGD-O2D-CED
14	A3	822	CLA	O1D-CGD-O2D-CED
14	A4	806	CLA	O1D-CGD-O2D-CED
14	L4	201	CLA	O1D-CGD-O2D-CED
14	A6	1633	CLA	O1D-CGD-O2D-CED
17	B1	851	LHG	O10-C23-O8-C6
14	L1	201	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	A3	832	CLA	CBD-CGD-O2D-CED
14	A6	1618	CLA	CBD-CGD-O2D-CED
14	L6	202	CLA	CBD-CGD-O2D-CED
14	X2	1701	CLA	O1D-CGD-O2D-CED
14	B3	1835	CLA	O1D-CGD-O2D-CED
14	A4	827	CLA	O1D-CGD-O2D-CED
14	X6	1701	CLA	O1D-CGD-O2D-CED
14	A5	807	CLA	O1D-CGD-O2D-CED
17	A3	854	LHG	C1-C2-C3-O3
17	A6	1650	LHG	C1-C2-C3-O3
14	A3	828	CLA	O1A-CGA-O2A-C1
14	B3	1820	CLA	O1A-CGA-O2A-C1
14	B6	818	CLA	O1A-CGA-O2A-C1
14	B5	1820	CLA	O1A-CGA-O2A-C1
14	B1	808	CLA	C3-C5-C6-C7
14	B1	825	CLA	C3-C5-C6-C7
14	B3	1808	CLA	C3-C5-C6-C7
14	B4	808	CLA	C3-C5-C6-C7
14	B4	826	CLA	C3-C5-C6-C7
14	B5	1826	CLA	C3-C5-C6-C7
14	A1	827	CLA	O1D-CGD-O2D-CED
14	A2	1606	CLA	O1D-CGD-O2D-CED
14	A3	807	CLA	O1D-CGD-O2D-CED
14	A4	803	CLA	O1D-CGD-O2D-CED
14	A4	807	CLA	O1D-CGD-O2D-CED
14	B4	835	CLA	O1D-CGD-O2D-CED
14	A1	803	CLA	CBA-CGA-O2A-C1
14	A1	810	CLA	CBA-CGA-O2A-C1
14	A1	821	CLA	CBA-CGA-O2A-C1
14	B1	814	CLA	CBA-CGA-O2A-C1
14	B1	830	CLA	CBA-CGA-O2A-C1
14	A2	1606	CLA	CBA-CGA-O2A-C1
14	A2	1613	CLA	CBA-CGA-O2A-C1
14	A2	1624	CLA	CBA-CGA-O2A-C1
14	B2	812	CLA	CBA-CGA-O2A-C1
14	B2	828	CLA	CBA-CGA-O2A-C1
14	B2	836	CLA	CBA-CGA-O2A-C1
14	A3	804	CLA	CBA-CGA-O2A-C1
14	A3	822	CLA	CBA-CGA-O2A-C1
14	A3	828	CLA	CBA-CGA-O2A-C1
14	A3	830	CLA	CBA-CGA-O2A-C1
14	B3	1815	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	B3	1831	CLA	CBA-CGA-O2A-C1
14	A4	803	CLA	CBA-CGA-O2A-C1
14	A4	810	CLA	CBA-CGA-O2A-C1
14	A4	821	CLA	CBA-CGA-O2A-C1
14	B4	815	CLA	CBA-CGA-O2A-C1
14	B4	820	CLA	CBA-CGA-O2A-C1
14	B4	831	CLA	CBA-CGA-O2A-C1
14	A6	1604	CLA	CBA-CGA-O2A-C1
14	A6	1622	CLA	CBA-CGA-O2A-C1
14	B6	813	CLA	CBA-CGA-O2A-C1
14	B6	829	CLA	CBA-CGA-O2A-C1
14	A5	804	CLA	CBA-CGA-O2A-C1
14	A5	811	CLA	CBA-CGA-O2A-C1
14	A5	822	CLA	CBA-CGA-O2A-C1
14	B5	1815	CLA	CBA-CGA-O2A-C1
14	B5	1831	CLA	CBA-CGA-O2A-C1
14	B2	826	CLA	CBD-CGD-O2D-CED
14	A4	804	CLA	CBD-CGD-O2D-CED
14	B5	1829	CLA	CBD-CGD-O2D-CED
14	A5	828	CLA	O1D-CGD-O2D-CED
14	A4	840	CLA	C13-C15-C16-C17
14	A5	841	CLA	C13-C15-C16-C17
14	B1	819	CLA	O1A-CGA-O2A-C1
17	X3	101	LHG	O10-C23-O8-C6
14	A1	838	CLA	C13-C15-C16-C17
14	A2	1643	CLA	C13-C15-C16-C17
14	B2	836	CLA	C8-C10-C11-C12
14	A3	827	CLA	C10-C11-C12-C13
14	A3	842	CLA	C13-C15-C16-C17
14	A6	1640	CLA	C13-C15-C16-C17
14	B5	1808	CLA	C13-C15-C16-C17
14	B2	805	CLA	C3-C5-C6-C7
14	B2	823	CLA	C3-C5-C6-C7
14	A3	808	CLA	C3-C5-C6-C7
14	B6	824	CLA	C3-C5-C6-C7
14	A5	808	CLA	C3-C5-C6-C7
17	B6	849	LHG	O10-C23-O8-C6
17	X5	102	LHG	O10-C23-O8-C6
14	A2	1613	CLA	O1A-CGA-O2A-C1
14	B2	817	CLA	O1A-CGA-O2A-C1
14	A4	810	CLA	O1A-CGA-O2A-C1
14	B4	815	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	B4	820	CLA	O1A-CGA-O2A-C1
14	B1	834	CLA	O1D-CGD-O2D-CED
14	A2	1610	CLA	O1D-CGD-O2D-CED
14	A2	1630	CLA	O1D-CGD-O2D-CED
14	A3	828	CLA	O1D-CGD-O2D-CED
14	A3	834	CLA	O1D-CGD-O2D-CED
14	L4	205	CLA	O1D-CGD-O2D-CED
14	A6	1604	CLA	O1D-CGD-O2D-CED
14	L6	208	CLA	O1D-CGD-O2D-CED
14	A5	804	CLA	O1D-CGD-O2D-CED
14	A5	808	CLA	O1D-CGD-O2D-CED
14	B5	1835	CLA	O1D-CGD-O2D-CED
14	B5	1807	CLA	CBD-CGD-O2D-CED
14	B2	805	CLA	C13-C15-C16-C17
14	B3	1808	CLA	C13-C15-C16-C17
14	B3	1839	CLA	C8-C10-C11-C12
14	A1	840	CLA	C2A-CAA-CBA-CGA
14	A3	844	CLA	C2A-CAA-CBA-CGA
14	A3	829	CLA	O1D-CGD-O2D-CED
17	B2	849	LHG	O10-C23-O8-C6
17	X4	101	LHG	O10-C23-O8-C6
14	A1	803	CLA	O1A-CGA-O2A-C1
14	A1	810	CLA	O1A-CGA-O2A-C1
14	B1	814	CLA	O1A-CGA-O2A-C1
14	B1	830	CLA	O1A-CGA-O2A-C1
14	B2	812	CLA	O1A-CGA-O2A-C1
14	A3	811	CLA	O1A-CGA-O2A-C1
14	B3	1815	CLA	O1A-CGA-O2A-C1
14	A6	1611	CLA	O1A-CGA-O2A-C1
14	B6	813	CLA	O1A-CGA-O2A-C1
14	A5	811	CLA	O1A-CGA-O2A-C1
14	B5	1815	CLA	O1A-CGA-O2A-C1
14	A1	805	CLA	C15-C16-C17-C18
14	A6	1606	CLA	C15-C16-C17-C18
14	A6	1627	CLA	C10-C11-C12-C13
14	A5	806	CLA	C15-C16-C17-C18
14	A6	1628	CLA	O1D-CGD-O2D-CED
14	L5	206	CLA	O1D-CGD-O2D-CED
14	A4	841	CLA	CBD-CGD-O2D-CED
14	B4	829	CLA	CBD-CGD-O2D-CED
14	A5	832	CLA	CBD-CGD-O2D-CED
14	A5	842	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	A1	807	CLA	C3-C5-C6-C7
14	A3	806	CLA	C3-C5-C6-C7
14	B3	1826	CLA	C3-C5-C6-C7
14	A4	807	CLA	C3-C5-C6-C7
14	A6	1608	CLA	C3-C5-C6-C7
14	B1	827	CLA	CBA-CGA-O2A-C1
14	B2	825	CLA	CBA-CGA-O2A-C1
14	B3	1828	CLA	CBA-CGA-O2A-C1
14	B4	839	CLA	CBA-CGA-O2A-C1
14	B6	839	CLA	CBA-CGA-O2A-C1
14	B5	1828	CLA	CBA-CGA-O2A-C1
14	B1	829	CLA	C5-C6-C7-C8
14	A2	1611	CLA	C8-C10-C11-C12
14	A2	1629	CLA	C10-C11-C12-C13
14	A3	838	CLA	C8-C10-C11-C12
14	B3	1830	CLA	C5-C6-C7-C8
14	A4	805	CLA	C15-C16-C17-C18
14	A4	826	CLA	C10-C11-C12-C13
14	A4	836	CLA	C8-C10-C11-C12
14	B4	830	CLA	C5-C6-C7-C8
14	A6	1637	CLA	C8-C10-C11-C12
14	B6	807	CLA	C13-C15-C16-C17
14	L6	208	CLA	C5-C6-C7-C8
14	L1	207	CLA	O1D-CGD-O2D-CED
14	A2	1625	CLA	O1D-CGD-O2D-CED
14	A2	1631	CLA	O1D-CGD-O2D-CED
14	A3	808	CLA	O1D-CGD-O2D-CED
14	A5	829	CLA	O1D-CGD-O2D-CED
14	A1	826	CLA	C10-C11-C12-C13
14	B1	808	CLA	C13-C15-C16-C17
14	L1	207	CLA	C5-C6-C7-C8
14	A2	1608	CLA	C15-C16-C17-C18
14	B2	827	CLA	C5-C6-C7-C8
14	L2	207	CLA	C5-C6-C7-C8
14	A3	806	CLA	C15-C16-C17-C18
14	L3	205	CLA	C5-C6-C7-C8
14	B4	808	CLA	C13-C15-C16-C17
14	B4	839	CLA	C8-C10-C11-C12
14	L4	205	CLA	C5-C6-C7-C8
14	B6	828	CLA	C5-C6-C7-C8
14	A5	827	CLA	C10-C11-C12-C13
14	B5	1830	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	L5	206	CLA	C5-C6-C7-C8
14	A1	807	CLA	O1D-CGD-O2D-CED
14	B4	841	CLA	O1D-CGD-O2D-CED
14	B4	831	CLA	O1A-CGA-O2A-C1
14	A1	835	CLA	C8-C10-C11-C12
14	B1	854	CLA	C15-C16-C17-C18
14	A2	1639	CLA	C8-C10-C11-C12
14	B2	809	CLA	C15-C16-C17-C18
14	B3	1812	CLA	C15-C16-C17-C18
14	B4	812	CLA	C15-C16-C17-C18
14	B6	810	CLA	C15-C16-C17-C18
14	B5	1812	CLA	C15-C16-C17-C18
14	A1	829	CLA	CBA-CGA-O2A-C1
14	B1	838	CLA	CBA-CGA-O2A-C1
14	B6	826	CLA	CBA-CGA-O2A-C1
14	B5	1839	CLA	CBA-CGA-O2A-C1
14	A4	828	CLA	O1D-CGD-O2D-CED
14	A6	1608	CLA	O1D-CGD-O2D-CED
14	A1	838	CLA	C2-C1-O2A-CGA
14	A2	1643	CLA	C2-C1-O2A-CGA
14	A3	842	CLA	C2-C1-O2A-CGA
14	A4	840	CLA	C2-C1-O2A-CGA
14	A5	841	CLA	C2-C1-O2A-CGA
14	A5	837	CLA	C8-C10-C11-C12
15	B3	1844	PQN	C25-C26-C27-C28
14	A1	802	CLA	CBD-CGD-O2D-CED
14	B1	827	CLA	CBD-CGD-O2D-CED
14	B1	828	CLA	CBD-CGD-O2D-CED
14	B6	832	CLA	CBD-CGD-O2D-CED
14	B4	828	CLA	C10-C11-C12-C13
15	B1	842	PQN	C25-C26-C27-C28
15	B2	841	PQN	C25-C26-C27-C28
15	B4	844	PQN	C25-C26-C27-C28
15	B6	842	PQN	C25-C26-C27-C28
15	B5	1844	PQN	C25-C26-C27-C28
14	L3	205	CLA	O1D-CGD-O2D-CED
14	A4	822	CLA	O1D-CGD-O2D-CED
14	B5	1841	CLA	O1D-CGD-O2D-CED
14	B1	804	CLA	C12-C13-C15-C16
14	B1	811	CLA	C12-C13-C15-C16
14	L1	206	CLA	C11-C10-C8-C7
14	B2	825	CLA	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
14	L2	206	CLA	C11-C10-C8-C7
14	B3	1811	CLA	C12-C13-C15-C16
14	B4	811	CLA	C12-C13-C15-C16
14	L4	204	CLA	C11-C10-C8-C7
14	B6	809	CLA	C12-C13-C15-C16
14	L5	205	CLA	C11-C10-C8-C7
14	A1	805	CLA	C3-C5-C6-C7
14	A2	1610	CLA	C3-C5-C6-C7
14	A4	805	CLA	C3-C5-C6-C7
14	A6	1606	CLA	C3-C5-C6-C7
14	A1	821	CLA	O1A-CGA-O2A-C1
14	B4	839	CLA	O1A-CGA-O2A-C1
14	B6	829	CLA	O1A-CGA-O2A-C1
14	A5	804	CLA	O1A-CGA-O2A-C1
14	A5	822	CLA	O1A-CGA-O2A-C1
14	A1	837	CLA	CBA-CGA-O2A-C1
14	A1	821	CLA	C2A-CAA-CBA-CGA
14	M1	1201	CLA	C2A-CAA-CBA-CGA
14	A2	1624	CLA	C2A-CAA-CBA-CGA
14	A2	1645	CLA	C2A-CAA-CBA-CGA
14	M2	1201	CLA	C2A-CAA-CBA-CGA
14	A3	822	CLA	C2A-CAA-CBA-CGA
14	A4	821	CLA	C2A-CAA-CBA-CGA
14	A4	842	CLA	C2A-CAA-CBA-CGA
14	A6	1622	CLA	C2A-CAA-CBA-CGA
14	A6	1641	CLA	C2A-CAA-CBA-CGA
14	M6	1201	CLA	C2A-CAA-CBA-CGA
14	A5	822	CLA	C2A-CAA-CBA-CGA
14	B5	1806	CLA	C2A-CAA-CBA-CGA
14	K5	101	CLA	C2A-CAA-CBA-CGA
14	A1	822	CLA	O1D-CGD-O2D-CED
14	A1	828	CLA	O1D-CGD-O2D-CED
14	B1	840	CLA	O1D-CGD-O2D-CED
14	B2	805	CLA	O1D-CGD-O2D-CED
14	B2	838	CLA	O1D-CGD-O2D-CED
14	B3	1808	CLA	O1D-CGD-O2D-CED
14	B3	1841	CLA	O1D-CGD-O2D-CED
14	B4	808	CLA	O1D-CGD-O2D-CED
14	A6	1624	CLA	O1D-CGD-O2D-CED
14	A6	1629	CLA	O1D-CGD-O2D-CED
14	B6	839	CLA	O1D-CGD-O2D-CED
14	A1	808	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	A1	825	CLA	C5-C6-C7-C8
14	A2	1628	CLA	C5-C6-C7-C8
14	B2	825	CLA	C10-C11-C12-C13
14	A3	826	CLA	C5-C6-C7-C8
14	B3	1834	CLA	C10-C11-C12-C13
14	A4	808	CLA	C8-C10-C11-C12
14	A4	825	CLA	C5-C6-C7-C8
14	A6	1626	CLA	C5-C6-C7-C8
14	A5	826	CLA	C5-C6-C7-C8
14	B5	1828	CLA	C10-C11-C12-C13
14	A2	1606	CLA	O1A-CGA-O2A-C1
14	A3	804	CLA	O1A-CGA-O2A-C1
14	A3	822	CLA	O1A-CGA-O2A-C1
14	A3	830	CLA	O1A-CGA-O2A-C1
14	B3	1839	CLA	O1A-CGA-O2A-C1
14	A6	1622	CLA	O1A-CGA-O2A-C1
14	B6	837	CLA	O1A-CGA-O2A-C1
14	B2	804	CLA	CBD-CGD-O2D-CED
14	A3	809	CLA	C8-C10-C11-C12
14	B3	1828	CLA	C10-C11-C12-C13
14	B6	826	CLA	C10-C11-C12-C13
14	B6	832	CLA	C10-C11-C12-C13
14	A5	805	CLA	C8-C10-C11-C12
14	A5	809	CLA	C8-C10-C11-C12
14	A6	1623	CLA	O1D-CGD-O2D-CED
14	B5	1808	CLA	O1D-CGD-O2D-CED
19	B5	1851	LMG	C4-C5-C6-O5
14	A2	1608	CLA	C3-C5-C6-C7
14	A5	806	CLA	C3-C5-C6-C7
14	A1	808	CLA	C13-C15-C16-C17
14	B1	827	CLA	C10-C11-C12-C13
14	B1	829	CLA	C15-C16-C17-C18
14	B1	833	CLA	C10-C11-C12-C13
14	A2	1610	CLA	C5-C6-C7-C8
14	A2	1611	CLA	C13-C15-C16-C17
14	B2	827	CLA	C15-C16-C17-C18
14	B2	831	CLA	C10-C11-C12-C13
14	A3	809	CLA	C13-C15-C16-C17
14	B3	1830	CLA	C15-C16-C17-C18
14	A4	808	CLA	C13-C15-C16-C17
14	B4	830	CLA	C15-C16-C17-C18
14	B4	834	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
14	L4	204	CLA	C8-C10-C11-C12
14	B6	828	CLA	C15-C16-C17-C18
14	A5	809	CLA	C13-C15-C16-C17
14	B5	1830	CLA	C15-C16-C17-C18
14	B5	1831	CLA	C13-C15-C16-C17
14	B5	1834	CLA	C10-C11-C12-C13
14	A4	839	CLA	CBA-CGA-O2A-C1
14	B4	841	CLA	CBA-CGA-O2A-C1
14	B5	1841	CLA	CBA-CGA-O2A-C1
14	B6	807	CLA	O1D-CGD-O2D-CED
14	A1	829	CLA	O1A-CGA-O2A-C1
14	B1	838	CLA	O1A-CGA-O2A-C1
14	B2	828	CLA	O1A-CGA-O2A-C1
14	B2	836	CLA	O1A-CGA-O2A-C1
14	B3	1828	CLA	O1A-CGA-O2A-C1
14	B3	1831	CLA	O1A-CGA-O2A-C1
14	A4	803	CLA	O1A-CGA-O2A-C1
14	A4	821	CLA	O1A-CGA-O2A-C1
14	B4	828	CLA	O1A-CGA-O2A-C1
14	A6	1604	CLA	O1A-CGA-O2A-C1
14	B5	1831	CLA	O1A-CGA-O2A-C1
14	B5	1839	CLA	O1A-CGA-O2A-C1
14	A1	810	CLA	C15-C16-C17-C18
14	B1	838	CLA	C8-C10-C11-C12
14	A2	1613	CLA	C15-C16-C17-C18
14	L2	206	CLA	C8-C10-C11-C12
14	A3	811	CLA	C15-C16-C17-C18
14	L3	204	CLA	C8-C10-C11-C12
14	A4	810	CLA	C15-C16-C17-C18
14	A6	1609	CLA	C13-C15-C16-C17
14	A6	1611	CLA	C15-C16-C17-C18
14	L6	207	CLA	C8-C10-C11-C12
14	A5	811	CLA	C15-C16-C17-C18
14	B5	1808	CLA	C10-C11-C12-C13
14	A3	824	CLA	O1D-CGD-O2D-CED
19	B1	850	LMG	C4-C5-C6-O5
14	L6	203	CLA	CBD-CGD-O2D-CED
14	A2	1624	CLA	O1A-CGA-O2A-C1
14	B2	825	CLA	O1A-CGA-O2A-C1
14	B5	1828	CLA	O1A-CGA-O2A-C1
14	L1	206	CLA	C8-C10-C11-C12
14	B2	807	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
14	B3	1810	CLA	C13-C15-C16-C17
14	B6	808	CLA	C13-C15-C16-C17
14	B6	837	CLA	C8-C10-C11-C12
14	B5	1839	CLA	C8-C10-C11-C12
14	L5	205	CLA	C8-C10-C11-C12
17	A3	853	LHG	C4-O6-P-O3
17	A6	1649	LHG	C4-O6-P-O3
19	B2	848	LMG	C4-C5-C6-O5
14	B1	840	CLA	CBA-CGA-O2A-C1
14	A2	1632	CLA	CBA-CGA-O2A-C1
14	A2	1642	CLA	CBA-CGA-O2A-C1
14	B2	838	CLA	CBA-CGA-O2A-C1
14	A3	841	CLA	CBA-CGA-O2A-C1
14	B3	1841	CLA	CBA-CGA-O2A-C1
14	A4	829	CLA	CBA-CGA-O2A-C1
14	A6	1630	CLA	CBA-CGA-O2A-C1
14	A6	1639	CLA	CBA-CGA-O2A-C1
14	A5	830	CLA	CBA-CGA-O2A-C1
14	A5	824	CLA	O1D-CGD-O2D-CED
14	B1	810	CLA	C13-C15-C16-C17
14	B1	830	CLA	C13-C15-C16-C17
14	B3	1831	CLA	C13-C15-C16-C17
14	B4	810	CLA	C13-C15-C16-C17
14	B4	831	CLA	C13-C15-C16-C17
14	B5	1810	CLA	C13-C15-C16-C17
14	B1	827	CLA	O1A-CGA-O2A-C1
14	B1	808	CLA	O1D-CGD-O2D-CED
14	A2	1626	CLA	O1D-CGD-O2D-CED
17	A1	849	LHG	C1-C2-C3-O3
17	A2	1654	LHG	C1-C2-C3-O3
17	A4	851	LHG	C1-C2-C3-O3
17	A5	852	LHG	C1-C2-C3-O3
19	B3	1850	LMG	C4-C5-C6-O5
14	A1	807	CLA	C5-C6-C7-C8
14	B2	828	CLA	C13-C15-C16-C17
14	A3	808	CLA	C5-C6-C7-C8
14	A4	807	CLA	C5-C6-C7-C8
14	A6	1608	CLA	C5-C6-C7-C8
14	B6	829	CLA	C13-C15-C16-C17
14	A1	823	CLA	O1D-CGD-O2D-CED
14	B3	1806	CLA	C2A-CAA-CBA-CGA
14	B4	806	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
15	B4	844	PQN	C26-C27-C28-C29
15	B5	1844	PQN	C26-C27-C28-C29
14	B2	804	CLA	CBA-CGA-O2A-C1
14	A5	840	CLA	CBA-CGA-O2A-C1
14	A1	804	CLA	C8-C10-C11-C12
14	B2	805	CLA	C10-C11-C12-C13
14	A5	808	CLA	C5-C6-C7-C8
14	B2	807	CLA	O1D-CGD-O2D-CED
14	B6	839	CLA	O1A-CGA-O2A-C1
14	B2	840	CLA	O1D-CGD-O2D-CED
14	A4	823	CLA	O1D-CGD-O2D-CED
14	B1	823	CLA	C6-C7-C8-C9
14	B5	1824	CLA	C6-C7-C8-C9
15	B1	842	PQN	C26-C27-C28-C29
15	B2	841	PQN	C26-C27-C28-C29
15	B3	1844	PQN	C26-C27-C28-C29
15	B6	842	PQN	C26-C27-C28-C29
14	B4	807	CLA	CBA-CGA-O2A-C1
14	B6	806	CLA	CBA-CGA-O2A-C1
14	B1	854	CLA	O1D-CGD-O2D-CED
14	A2	1634	CLA	O1D-CGD-O2D-CED
14	A5	823	CLA	O1D-CGD-O2D-CED
14	A2	1634	CLA	C8-C10-C11-C12
14	B2	831	CLA	C15-C16-C17-C18
14	B4	834	CLA	C15-C16-C17-C18
14	B3	1829	CLA	CBD-CGD-O2D-CED
14	B4	807	CLA	CBD-CGD-O2D-CED
14	B6	827	CLA	CBD-CGD-O2D-CED
14	A5	803	CLA	CBD-CGD-O2D-CED
14	A6	1605	CLA	O1D-CGD-O2D-CED
14	A4	839	CLA	O1A-CGA-O2A-C1
14	B6	826	CLA	O1A-CGA-O2A-C1
19	B6	848	LMG	C4-C5-C6-O5
14	A3	823	CLA	O1D-CGD-O2D-CED
14	A2	1607	CLA	C8-C10-C11-C12
14	B3	1834	CLA	C15-C16-C17-C18
14	B5	1834	CLA	C15-C16-C17-C18
14	B3	1807	CLA	CBA-CGA-O2A-C1
14	A1	835	CLA	C5-C6-C7-C8
14	B1	807	CLA	C13-C15-C16-C17
14	B1	833	CLA	C15-C16-C17-C18
14	A4	804	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	A1	837	CLA	O1A-CGA-O2A-C1
14	B1	840	CLA	O1A-CGA-O2A-C1
14	B2	838	CLA	O1A-CGA-O2A-C1
14	A6	1630	CLA	O1A-CGA-O2A-C1
14	A5	840	CLA	O1A-CGA-O2A-C1
14	B6	822	CLA	C6-C7-C8-C9
14	B3	1812	CLA	O1D-CGD-O2D-CED
14	B4	810	CLA	O1D-CGD-O2D-CED
14	B6	808	CLA	O1D-CGD-O2D-CED
14	A1	824	CLA	C4-C3-C5-C6
14	A2	1627	CLA	C4-C3-C5-C6
14	A3	825	CLA	C4-C3-C5-C6
14	A4	824	CLA	C4-C3-C5-C6
14	A6	1625	CLA	C4-C3-C5-C6
14	A5	825	CLA	C4-C3-C5-C6
17	A1	848	LHG	C24-C25-C26-C27
17	A2	1653	LHG	C24-C25-C26-C27
17	A3	853	LHG	C24-C25-C26-C27
17	A4	850	LHG	C24-C25-C26-C27
14	A2	1627	CLA	C2-C3-C5-C6
14	A3	825	CLA	C2-C3-C5-C6
14	A6	1625	CLA	C2-C3-C5-C6
14	A1	818	CLA	C11-C10-C8-C9
14	B1	804	CLA	C14-C13-C15-C16
14	B1	819	CLA	C11-C10-C8-C9
14	A2	1621	CLA	C11-C10-C8-C9
14	B2	801	CLA	C14-C13-C15-C16
14	B2	817	CLA	C11-C10-C8-C9
14	B3	1820	CLA	C11-C10-C8-C9
14	B4	803	CLA	C14-C13-C15-C16
14	B4	820	CLA	C11-C10-C8-C9
14	B6	804	CLA	C14-C13-C15-C16
14	B6	818	CLA	C11-C10-C8-C9
14	A5	819	CLA	C11-C10-C8-C9
14	B5	1803	CLA	C14-C13-C15-C16
14	B5	1820	CLA	C11-C10-C8-C9
15	A1	841	PQN	C16-C17-C18-C19
15	A2	1646	PQN	C16-C17-C18-C19
15	A3	846	PQN	C16-C17-C18-C19
15	A4	843	PQN	C16-C17-C18-C19
15	A6	1642	PQN	C16-C17-C18-C19
15	A5	844	PQN	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
14	B4	843	CLA	O1D-CGD-O2D-CED
14	B5	1812	CLA	O1D-CGD-O2D-CED
17	A5	851	LHG	C24-C25-C26-C27
14	B1	808	CLA	C10-C11-C12-C13
14	B3	1807	CLA	C13-C15-C16-C17
14	B4	808	CLA	C10-C11-C12-C13
14	B6	832	CLA	C15-C16-C17-C18
14	A5	837	CLA	C5-C6-C7-C8
14	B5	1807	CLA	C13-C15-C16-C17
14	A1	808	CLA	C2A-CAA-CBA-CGA
14	A2	1611	CLA	C2A-CAA-CBA-CGA
14	A3	809	CLA	C2A-CAA-CBA-CGA
14	A4	808	CLA	C2A-CAA-CBA-CGA
14	A6	1609	CLA	C2A-CAA-CBA-CGA
14	A5	809	CLA	C2A-CAA-CBA-CGA
14	B1	841	CLA	O1D-CGD-O2D-CED
14	B3	1843	CLA	O1D-CGD-O2D-CED
14	A2	1632	CLA	O1A-CGA-O2A-C1
14	B3	1841	CLA	O1A-CGA-O2A-C1
14	A5	830	CLA	O1A-CGA-O2A-C1
14	B5	1841	CLA	O1A-CGA-O2A-C1
17	A6	1649	LHG	C24-C25-C26-C27
15	A1	841	PQN	C13-C15-C16-C17
15	A2	1646	PQN	C13-C15-C16-C17
15	A3	846	PQN	C13-C15-C16-C17
15	A4	843	PQN	C13-C15-C16-C17
15	A6	1642	PQN	C13-C15-C16-C17
15	A5	844	PQN	C13-C15-C16-C17
14	B2	804	CLA	C13-C15-C16-C17
14	A3	832	CLA	C8-C10-C11-C12
14	B4	807	CLA	C13-C15-C16-C17
14	B6	806	CLA	C13-C15-C16-C17
14	B1	810	CLA	O1D-CGD-O2D-CED
14	B2	831	CLA	O1D-CGD-O2D-CED
14	B6	810	CLA	O1D-CGD-O2D-CED
14	B6	841	CLA	O1D-CGD-O2D-CED
17	A1	848	LHG	C28-C29-C30-C31
17	A1	849	LHG	C9-C10-C11-C12
17	A2	1653	LHG	C28-C29-C30-C31
17	A2	1654	LHG	C9-C10-C11-C12
17	A3	853	LHG	C28-C29-C30-C31
17	A3	854	LHG	C9-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
17	A4	850	LHG	C28-C29-C30-C31
17	A4	851	LHG	C9-C10-C11-C12
17	A6	1649	LHG	C28-C29-C30-C31
17	A6	1650	LHG	C9-C10-C11-C12
14	B2	821	CLA	C6-C7-C8-C9
14	B3	1824	CLA	C6-C7-C8-C10
14	B4	824	CLA	C6-C7-C8-C9
14	A2	1639	CLA	C5-C6-C7-C8
14	B3	1808	CLA	C10-C11-C12-C13
14	A6	1605	CLA	C8-C10-C11-C12
14	A6	1637	CLA	C5-C6-C7-C8
14	B6	807	CLA	C10-C11-C12-C13
14	B5	1815	CLA	C8-C10-C11-C12
14	B5	1834	CLA	O1D-CGD-O2D-CED
17	A5	851	LHG	C28-C29-C30-C31
17	A5	852	LHG	C9-C10-C11-C12
14	B3	1827	CLA	CBA-CGA-O2A-C1
14	A1	839	CLA	CBD-CGD-O2D-CED
14	B1	836	CLA	CBD-CGD-O2D-CED
14	B3	1828	CLA	CBD-CGD-O2D-CED
14	J6	1101	CLA	CBD-CGD-O2D-CED
14	B1	807	CLA	O1D-CGD-O2D-CED
14	B2	809	CLA	O1D-CGD-O2D-CED
14	L1	201	CLA	C8-C10-C11-C12
14	A3	838	CLA	C5-C6-C7-C8
14	A6	1613	CLA	C3-C5-C6-C7
14	B5	1807	CLA	CBA-CGA-O2A-C1
14	A1	804	CLA	O1D-CGD-O2D-CED
14	B3	1810	CLA	O1D-CGD-O2D-CED
14	A1	802	CLA	C3A-C2A-CAA-CBA
14	A1	805	CLA	C3A-C2A-CAA-CBA
14	A1	837	CLA	C3A-C2A-CAA-CBA
14	B1	814	CLA	C3A-C2A-CAA-CBA
14	B1	826	CLA	C3A-C2A-CAA-CBA
14	A2	1605	CLA	C3A-C2A-CAA-CBA
14	A2	1608	CLA	C3A-C2A-CAA-CBA
14	A2	1642	CLA	C3A-C2A-CAA-CBA
14	B2	812	CLA	C3A-C2A-CAA-CBA
14	A3	803	CLA	C3A-C2A-CAA-CBA
14	A3	806	CLA	C3A-C2A-CAA-CBA
14	A3	841	CLA	C3A-C2A-CAA-CBA
14	B3	1815	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	B3	1827	CLA	C3A-C2A-CAA-CBA
14	A4	802	CLA	C3A-C2A-CAA-CBA
14	A4	805	CLA	C3A-C2A-CAA-CBA
14	A4	834	CLA	C3A-C2A-CAA-CBA
14	A4	839	CLA	C3A-C2A-CAA-CBA
14	B4	815	CLA	C3A-C2A-CAA-CBA
14	B4	827	CLA	C3A-C2A-CAA-CBA
14	A6	1606	CLA	C3A-C2A-CAA-CBA
14	A6	1635	CLA	C3A-C2A-CAA-CBA
14	A6	1639	CLA	C3A-C2A-CAA-CBA
14	B6	813	CLA	C3A-C2A-CAA-CBA
14	B6	825	CLA	C3A-C2A-CAA-CBA
14	J6	1101	CLA	C3A-C2A-CAA-CBA
14	A5	803	CLA	C3A-C2A-CAA-CBA
14	A5	806	CLA	C3A-C2A-CAA-CBA
14	A5	840	CLA	C3A-C2A-CAA-CBA
14	B5	1815	CLA	C3A-C2A-CAA-CBA
14	B5	1827	CLA	C3A-C2A-CAA-CBA
14	A6	1609	CLA	C8-C10-C11-C12
14	A2	1644	CLA	O1D-CGD-O2D-CED
14	A3	841	CLA	O1A-CGA-O2A-C1
14	A4	829	CLA	O1A-CGA-O2A-C1
14	B2	821	CLA	C6-C7-C8-C10
14	B3	1824	CLA	C6-C7-C8-C9
15	B2	841	PQN	C26-C27-C28-C30
15	B3	1844	PQN	C26-C27-C28-C30
15	B4	844	PQN	C26-C27-C28-C30
15	B6	842	PQN	C26-C27-C28-C30
15	B5	1844	PQN	C26-C27-C28-C30
14	B3	1807	CLA	CBD-CGD-O2D-CED
14	B1	825	CLA	O2A-C1-C2-C3
14	B1	833	CLA	O2A-C1-C2-C3
14	B2	831	CLA	O2A-C1-C2-C3
14	B3	1826	CLA	O2A-C1-C2-C3
14	B4	826	CLA	O2A-C1-C2-C3
14	B4	834	CLA	O2A-C1-C2-C3
14	B5	1834	CLA	O2A-C1-C2-C3
14	A1	817	CLA	O1D-CGD-O2D-CED
14	A5	805	CLA	O1D-CGD-O2D-CED
14	A3	813	CLA	C3-C5-C6-C7
14	A4	836	CLA	C5-C6-C7-C8
14	A1	831	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	A2	1635	CLA	C4-C3-C5-C6
14	A3	833	CLA	C4-C3-C5-C6
14	A4	832	CLA	C4-C3-C5-C6
14	A6	1632	CLA	C4-C3-C5-C6
14	A5	833	CLA	C4-C3-C5-C6
19	B4	851	LMG	C4-C5-C6-O5
14	A1	824	CLA	C2-C3-C5-C6
14	A1	831	CLA	C2-C3-C5-C6
14	A2	1635	CLA	C2-C3-C5-C6
14	A4	824	CLA	C2-C3-C5-C6
14	A5	825	CLA	C2-C3-C5-C6
14	A5	833	CLA	C2-C3-C5-C6
17	B1	851	LHG	O1-C1-C2-O2
17	B2	849	LHG	O1-C1-C2-O2
17	B6	849	LHG	O1-C1-C2-O2
17	X5	102	LHG	O1-C1-C2-O2
14	B6	806	CLA	O1D-CGD-O2D-CED
14	A2	1642	CLA	O1A-CGA-O2A-C1
14	B4	841	CLA	O1A-CGA-O2A-C1
14	A6	1639	CLA	O1A-CGA-O2A-C1
15	B1	842	PQN	C26-C27-C28-C30
14	B1	805	CLA	C3-C5-C6-C7
14	B1	819	CLA	C3-C5-C6-C7
14	B2	817	CLA	C3-C5-C6-C7
14	B3	1820	CLA	C3-C5-C6-C7
14	B4	820	CLA	C3-C5-C6-C7
14	B6	818	CLA	C3-C5-C6-C7
14	A5	813	CLA	C3-C5-C6-C7
14	B5	1804	CLA	C3-C5-C6-C7
14	B5	1820	CLA	C3-C5-C6-C7
14	B5	1819	CLA	CBA-CGA-O2A-C1
14	B2	804	CLA	O1A-CGA-O2A-C1
14	B4	807	CLA	O1A-CGA-O2A-C1
14	B6	806	CLA	O1A-CGA-O2A-C1
14	B4	815	CLA	C8-C10-C11-C12
14	A5	832	CLA	C8-C10-C11-C12
14	A6	1640	CLA	C2-C1-O2A-CGA
14	A2	1615	CLA	C8-C10-C11-C12
14	A1	812	CLA	C3-C5-C6-C7
14	A2	1615	CLA	C3-C5-C6-C7
14	B2	802	CLA	C3-C5-C6-C7
14	A4	812	CLA	C3-C5-C6-C7

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	B4	804	CLA	C3-C5-C6-C7
16	A1	843	BCR	C1-C6-C7-C8
16	A1	843	BCR	C5-C6-C7-C8
16	A1	843	BCR	C23-C24-C25-C26
16	A1	843	BCR	C23-C24-C25-C30
16	A1	845	BCR	C23-C24-C25-C30
16	A1	846	BCR	C1-C6-C7-C8
16	A1	847	BCR	C1-C6-C7-C8
16	A1	847	BCR	C5-C6-C7-C8
16	A1	847	BCR	C23-C24-C25-C26
16	A1	847	BCR	C23-C24-C25-C30
16	B1	844	BCR	C1-C6-C7-C8
16	B1	844	BCR	C5-C6-C7-C8
16	B1	844	BCR	C23-C24-C25-C26
16	B1	844	BCR	C23-C24-C25-C30
16	J1	104	BCR	C1-C6-C7-C8
16	J1	104	BCR	C5-C6-C7-C8
16	L1	203	BCR	C23-C24-C25-C26
16	L1	203	BCR	C23-C24-C25-C30
16	M1	1202	BCR	C5-C6-C7-C8
16	A2	1648	BCR	C1-C6-C7-C8
16	A2	1648	BCR	C5-C6-C7-C8
16	A2	1648	BCR	C23-C24-C25-C26
16	A2	1648	BCR	C23-C24-C25-C30
16	A2	1650	BCR	C23-C24-C25-C30
16	A2	1651	BCR	C1-C6-C7-C8
16	A2	1652	BCR	C1-C6-C7-C8
16	A2	1652	BCR	C5-C6-C7-C8
16	A2	1652	BCR	C23-C24-C25-C26
16	A2	1652	BCR	C23-C24-C25-C30
16	B2	843	BCR	C1-C6-C7-C8
16	B2	843	BCR	C5-C6-C7-C8
16	B2	843	BCR	C23-C24-C25-C26
16	B2	843	BCR	C23-C24-C25-C30
16	B2	847	BCR	C1-C6-C7-C8
16	J2	103	BCR	C1-C6-C7-C8
16	J2	103	BCR	C5-C6-C7-C8
16	L2	203	BCR	C23-C24-C25-C26
16	L2	203	BCR	C23-C24-C25-C30
16	M2	1202	BCR	C5-C6-C7-C8
16	A3	848	BCR	C1-C6-C7-C8
16	A3	848	BCR	C5-C6-C7-C8

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
16	A3	848	BCR	C23-C24-C25-C26
16	A3	848	BCR	C23-C24-C25-C30
16	A3	851	BCR	C1-C6-C7-C8
16	A3	852	BCR	C1-C6-C7-C8
16	A3	852	BCR	C5-C6-C7-C8
16	A3	852	BCR	C23-C24-C25-C26
16	A3	852	BCR	C23-C24-C25-C30
16	B3	1846	BCR	C1-C6-C7-C8
16	B3	1846	BCR	C5-C6-C7-C8
16	B3	1846	BCR	C23-C24-C25-C26
16	B3	1846	BCR	C23-C24-C25-C30
16	I3	102	BCR	C23-C24-C25-C26
16	I3	102	BCR	C23-C24-C25-C30
16	J3	104	BCR	C1-C6-C7-C8
16	J3	104	BCR	C5-C6-C7-C8
16	M3	1602	BCR	C5-C6-C7-C8
16	A4	845	BCR	C1-C6-C7-C8
16	A4	845	BCR	C5-C6-C7-C8
16	A4	845	BCR	C23-C24-C25-C26
16	A4	845	BCR	C23-C24-C25-C30
16	A4	847	BCR	C23-C24-C25-C30
16	A4	848	BCR	C1-C6-C7-C8
16	A4	849	BCR	C1-C6-C7-C8
16	A4	849	BCR	C5-C6-C7-C8
16	A4	849	BCR	C23-C24-C25-C26
16	A4	849	BCR	C23-C24-C25-C30
16	B4	846	BCR	C1-C6-C7-C8
16	B4	846	BCR	C5-C6-C7-C8
16	B4	846	BCR	C23-C24-C25-C26
16	B4	846	BCR	C23-C24-C25-C30
16	I4	102	BCR	C23-C24-C25-C26
16	I4	102	BCR	C23-C24-C25-C30
16	J4	104	BCR	C1-C6-C7-C8
16	J4	104	BCR	C5-C6-C7-C8
16	M4	101	BCR	C5-C6-C7-C8
16	A6	1644	BCR	C1-C6-C7-C8
16	A6	1644	BCR	C5-C6-C7-C8
16	A6	1644	BCR	C23-C24-C25-C26
16	A6	1644	BCR	C23-C24-C25-C30
16	A6	1646	BCR	C23-C24-C25-C30
16	A6	1647	BCR	C1-C6-C7-C8
16	A6	1648	BCR	C1-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
16	A6	1648	BCR	C5-C6-C7-C8
16	A6	1648	BCR	C23-C24-C25-C26
16	A6	1648	BCR	C23-C24-C25-C30
16	A6	1652	BCR	C1-C6-C7-C8
16	B6	844	BCR	C1-C6-C7-C8
16	B6	844	BCR	C5-C6-C7-C8
16	B6	844	BCR	C23-C24-C25-C26
16	B6	844	BCR	C23-C24-C25-C30
16	J6	1105	BCR	C1-C6-C7-C8
16	J6	1105	BCR	C5-C6-C7-C8
16	L6	204	BCR	C23-C24-C25-C26
16	L6	204	BCR	C23-C24-C25-C30
16	M6	1202	BCR	C5-C6-C7-C8
16	A5	846	BCR	C1-C6-C7-C8
16	A5	846	BCR	C5-C6-C7-C8
16	A5	846	BCR	C23-C24-C25-C26
16	A5	846	BCR	C23-C24-C25-C30
16	A5	848	BCR	C23-C24-C25-C30
16	A5	849	BCR	C1-C6-C7-C8
16	A5	850	BCR	C1-C6-C7-C8
16	A5	850	BCR	C5-C6-C7-C8
16	A5	850	BCR	C23-C24-C25-C26
16	A5	850	BCR	C23-C24-C25-C30
16	B5	1846	BCR	C1-C6-C7-C8
16	B5	1846	BCR	C5-C6-C7-C8
16	B5	1846	BCR	C23-C24-C25-C26
16	B5	1846	BCR	C23-C24-C25-C30
16	I5	102	BCR	C23-C24-C25-C26
16	I5	102	BCR	C23-C24-C25-C30
16	J5	104	BCR	C1-C6-C7-C8
16	J5	104	BCR	C5-C6-C7-C8
16	M5	101	BCR	C5-C6-C7-C8
14	A3	805	CLA	O1D-CGD-O2D-CED
14	A4	831	CLA	O1D-CGD-O2D-CED
14	B2	801	CLA	C13-C15-C16-C17
14	B3	1803	CLA	C13-C15-C16-C17
14	A4	824	CLA	C8-C10-C11-C12
14	B5	1821	CLA	C10-C11-C12-C13
14	B3	1807	CLA	O1A-CGA-O2A-C1
14	B2	836	CLA	CBD-CGD-O2D-CED
14	A2	1607	CLA	C10-C11-C12-C13
14	A3	805	CLA	C10-C11-C12-C13

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	A4	804	CLA	C10-C11-C12-C13
14	B4	803	CLA	C13-C15-C16-C17
14	B6	804	CLA	C13-C15-C16-C17
14	B5	1829	CLA	C10-C11-C12-C13
14	B4	812	CLA	O1D-CGD-O2D-CED
14	B5	1801	CLA	C4-C3-C5-C6
14	A1	805	CLA	C11-C12-C13-C15
14	A1	818	CLA	C11-C12-C13-C15
14	A1	825	CLA	C12-C13-C15-C16
14	A1	831	CLA	C12-C13-C15-C16
14	B1	833	CLA	C2-C3-C5-C6
14	B1	853	CLA	C2-C3-C5-C6
14	A2	1608	CLA	C11-C12-C13-C15
14	A2	1621	CLA	C11-C12-C13-C15
14	A2	1628	CLA	C12-C13-C15-C16
14	A2	1632	CLA	C11-C10-C8-C7
14	A2	1635	CLA	C12-C13-C15-C16
14	B2	801	CLA	C12-C13-C15-C16
14	B2	808	CLA	C12-C13-C15-C16
14	A3	806	CLA	C11-C12-C13-C15
14	A3	819	CLA	C11-C12-C13-C15
14	A3	826	CLA	C12-C13-C15-C16
14	A3	833	CLA	C2-C3-C5-C6
14	A3	833	CLA	C12-C13-C15-C16
14	B3	1803	CLA	C12-C13-C15-C16
14	B3	1828	CLA	C6-C7-C8-C10
14	L3	204	CLA	C11-C10-C8-C7
14	A4	805	CLA	C11-C12-C13-C15
14	A4	818	CLA	C11-C12-C13-C15
14	A4	825	CLA	C12-C13-C15-C16
14	A4	829	CLA	C11-C10-C8-C7
14	A4	832	CLA	C2-C3-C5-C6
14	A4	832	CLA	C12-C13-C15-C16
14	B4	803	CLA	C12-C13-C15-C16
14	B4	828	CLA	C6-C7-C8-C10
14	B4	852	CLA	C2-C3-C5-C6
14	A6	1606	CLA	C11-C12-C13-C15
14	A6	1619	CLA	C11-C12-C13-C15
14	A6	1626	CLA	C12-C13-C15-C16
14	A6	1632	CLA	C2-C3-C5-C6
14	A6	1632	CLA	C12-C13-C15-C16
14	B6	804	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	B6	826	CLA	C6-C7-C8-C10
14	B6	832	CLA	C2-C3-C5-C6
14	L6	207	CLA	C11-C10-C8-C7
14	A5	806	CLA	C11-C12-C13-C15
14	A5	819	CLA	C11-C12-C13-C15
14	A5	826	CLA	C12-C13-C15-C16
14	A5	830	CLA	C11-C10-C8-C7
14	A5	833	CLA	C12-C13-C15-C16
14	B5	1801	CLA	C2-C3-C5-C6
14	B5	1803	CLA	C12-C13-C15-C16
14	B5	1811	CLA	C12-C13-C15-C16
14	B5	1828	CLA	C6-C7-C8-C10
14	B5	1834	CLA	C2-C3-C5-C6
15	A1	841	PQN	C16-C17-C18-C20
15	A2	1646	PQN	C16-C17-C18-C20
15	A3	846	PQN	C16-C17-C18-C20
15	A4	843	PQN	C16-C17-C18-C20
15	A6	1642	PQN	C16-C17-C18-C20
15	A5	844	PQN	C16-C17-C18-C20
14	B3	1804	CLA	C3-C5-C6-C7
14	B5	1807	CLA	O1A-CGA-O2A-C1
14	B1	820	CLA	C10-C11-C12-C13
14	B1	828	CLA	C10-C11-C12-C13
14	A3	805	CLA	C8-C10-C11-C12
14	A2	1620	CLA	O1D-CGD-O2D-CED
14	B4	834	CLA	O1D-CGD-O2D-CED
14	B1	807	CLA	CBA-CGA-O2A-C1
14	B1	818	CLA	CBA-CGA-O2A-C1
14	B2	830	CLA	CBA-CGA-O2A-C1
14	B3	1819	CLA	CBA-CGA-O2A-C1
14	B3	1833	CLA	CBA-CGA-O2A-C1
14	B6	817	CLA	CBA-CGA-O2A-C1
14	B6	831	CLA	CBA-CGA-O2A-C1
14	B5	1810	CLA	O1D-CGD-O2D-CED
14	B1	804	CLA	C13-C15-C16-C17
14	B2	818	CLA	C10-C11-C12-C13
14	B2	826	CLA	C10-C11-C12-C13
14	B4	829	CLA	C10-C11-C12-C13
14	B5	1803	CLA	C13-C15-C16-C17
17	A4	850	LHG	C10-C11-C12-C13
14	A2	1607	CLA	O1D-CGD-O2D-CED
14	B5	1807	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	B4	821	CLA	C10-C11-C12-C13
17	A1	848	LHG	C10-C11-C12-C13
17	A2	1653	LHG	C10-C11-C12-C13
17	A5	851	LHG	C10-C11-C12-C13
14	A6	1651	CLA	C3-C5-C6-C7
17	A3	853	LHG	C10-C11-C12-C13
17	A6	1649	LHG	C10-C11-C12-C13
14	A2	1605	CLA	CBD-CGD-O2D-CED
14	A3	843	CLA	CBD-CGD-O2D-CED
14	B4	819	CLA	CBA-CGA-O2A-C1
14	A6	1605	CLA	C10-C11-C12-C13
14	B3	1834	CLA	O1D-CGD-O2D-CED
14	A5	842	CLA	O1D-CGD-O2D-CED
14	B5	1843	CLA	O1D-CGD-O2D-CED
14	B3	1829	CLA	C10-C11-C12-C13
14	A3	803	CLA	CBD-CGD-O2D-CED
14	A5	832	CLA	C3-C5-C6-C7
14	B4	839	CLA	CBD-CGD-O2D-CED
14	B2	812	CLA	C8-C10-C11-C12
14	B6	819	CLA	C10-C11-C12-C13
14	B6	827	CLA	C10-C11-C12-C13
14	B1	853	CLA	C4-C3-C5-C6
14	B4	852	CLA	C4-C3-C5-C6
14	A5	843	CLA	C4-C3-C5-C6
14	B5	1835	CLA	C4-C3-C5-C6
14	B2	831	CLA	C2-C3-C5-C6
14	A3	845	CLA	C2-C3-C5-C6
14	B3	1801	CLA	C2-C3-C5-C6
14	B3	1834	CLA	C2-C3-C5-C6
14	B4	834	CLA	C2-C3-C5-C6
14	A5	843	CLA	C2-C3-C5-C6
14	B5	1835	CLA	C2-C3-C5-C6
14	A1	805	CLA	C11-C12-C13-C14
14	A1	818	CLA	C11-C12-C13-C14
14	A1	819	CLA	C6-C7-C8-C9
14	A1	825	CLA	C14-C13-C15-C16
14	A1	829	CLA	C11-C10-C8-C9
14	A1	831	CLA	C14-C13-C15-C16
14	B1	811	CLA	C14-C13-C15-C16
14	B1	827	CLA	C6-C7-C8-C9
14	B1	827	CLA	C11-C12-C13-C14
14	A2	1608	CLA	C11-C12-C13-C14

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	A2	1621	CLA	C11-C12-C13-C14
14	A2	1622	CLA	C6-C7-C8-C9
14	A2	1628	CLA	C14-C13-C15-C16
14	A2	1635	CLA	C14-C13-C15-C16
14	B2	808	CLA	C14-C13-C15-C16
14	B2	825	CLA	C11-C12-C13-C14
14	A3	806	CLA	C11-C12-C13-C14
14	A3	819	CLA	C11-C10-C8-C9
14	A3	819	CLA	C11-C12-C13-C14
14	A3	820	CLA	C6-C7-C8-C9
14	A3	826	CLA	C14-C13-C15-C16
14	A3	833	CLA	C14-C13-C15-C16
14	B3	1803	CLA	C14-C13-C15-C16
14	B3	1811	CLA	C14-C13-C15-C16
14	B3	1828	CLA	C6-C7-C8-C9
14	B3	1828	CLA	C11-C12-C13-C14
14	A4	805	CLA	C11-C12-C13-C14
14	A4	818	CLA	C11-C10-C8-C9
14	A4	818	CLA	C11-C12-C13-C14
14	A4	819	CLA	C6-C7-C8-C9
14	A4	825	CLA	C14-C13-C15-C16
14	A4	829	CLA	C11-C10-C8-C9
14	A4	832	CLA	C14-C13-C15-C16
14	B4	811	CLA	C14-C13-C15-C16
14	B4	828	CLA	C6-C7-C8-C9
14	B4	828	CLA	C11-C12-C13-C14
14	A6	1606	CLA	C11-C12-C13-C14
14	A6	1619	CLA	C11-C10-C8-C9
14	A6	1619	CLA	C11-C12-C13-C14
14	A6	1620	CLA	C6-C7-C8-C9
14	A6	1626	CLA	C14-C13-C15-C16
14	A6	1632	CLA	C14-C13-C15-C16
14	B6	809	CLA	C14-C13-C15-C16
14	B6	826	CLA	C6-C7-C8-C9
14	B6	826	CLA	C11-C12-C13-C14
14	A5	806	CLA	C11-C12-C13-C14
14	A5	819	CLA	C11-C12-C13-C14
14	A5	820	CLA	C6-C7-C8-C9
14	A5	826	CLA	C14-C13-C15-C16
14	A5	830	CLA	C11-C10-C8-C9
14	A5	833	CLA	C14-C13-C15-C16
14	B5	1811	CLA	C14-C13-C15-C16

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	B5	1828	CLA	C6-C7-C8-C9
14	B5	1828	CLA	C11-C12-C13-C14
14	A3	818	CLA	O1D-CGD-O2D-CED
14	A1	804	CLA	C10-C11-C12-C13
14	L1	201	CLA	C3-C5-C6-C7
14	B1	833	CLA	O1D-CGD-O2D-CED
14	A4	817	CLA	O1D-CGD-O2D-CED
14	L6	202	CLA	O1D-CGD-O2D-CED
14	A5	818	CLA	O1D-CGD-O2D-CED
14	B1	802	CLA	C2A-CAA-CBA-CGA
14	A2	1604	CLA	C2A-CAA-CBA-CGA
14	A3	836	CLA	C2A-CAA-CBA-CGA
14	B3	1802	CLA	C2A-CAA-CBA-CGA
14	B4	802	CLA	C2A-CAA-CBA-CGA
14	A6	1603	CLA	C2A-CAA-CBA-CGA
14	A4	841	CLA	O1D-CGD-O2D-CED
14	A1	825	CLA	C8-C10-C11-C12
14	A4	825	CLA	C8-C10-C11-C12
14	A5	805	CLA	C10-C11-C12-C13
14	B2	830	CLA	O1A-CGA-O2A-C1
14	B5	1819	CLA	O1A-CGA-O2A-C1
14	B1	826	CLA	CBA-CGA-O2A-C1
14	A4	804	CLA	O1D-CGD-O2D-CED
14	A1	802	CLA	C1A-C2A-CAA-CBA
14	A1	803	CLA	C1A-C2A-CAA-CBA
14	A1	807	CLA	C1A-C2A-CAA-CBA
14	A1	817	CLA	C1A-C2A-CAA-CBA
14	A1	836	CLA	C1A-C2A-CAA-CBA
14	A1	837	CLA	C1A-C2A-CAA-CBA
14	B1	812	CLA	C1A-C2A-CAA-CBA
14	B1	819	CLA	C1A-C2A-CAA-CBA
14	B1	820	CLA	C1A-C2A-CAA-CBA
14	B1	821	CLA	C1A-C2A-CAA-CBA
14	B1	828	CLA	C1A-C2A-CAA-CBA
14	B1	831	CLA	C1A-C2A-CAA-CBA
14	K1	1401	CLA	C1A-C2A-CAA-CBA
14	A2	1605	CLA	C1A-C2A-CAA-CBA
14	A2	1606	CLA	C1A-C2A-CAA-CBA
14	A2	1610	CLA	C1A-C2A-CAA-CBA
14	A2	1620	CLA	C1A-C2A-CAA-CBA
14	A2	1640	CLA	C1A-C2A-CAA-CBA
14	B2	810	CLA	C1A-C2A-CAA-CBA

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	B2	812	CLA	C1A-C2A-CAA-CBA
14	B2	817	CLA	C1A-C2A-CAA-CBA
14	B2	818	CLA	C1A-C2A-CAA-CBA
14	B2	819	CLA	C1A-C2A-CAA-CBA
14	B2	826	CLA	C1A-C2A-CAA-CBA
14	B2	829	CLA	C1A-C2A-CAA-CBA
14	K2	1401	CLA	C1A-C2A-CAA-CBA
14	A3	803	CLA	C1A-C2A-CAA-CBA
14	A3	804	CLA	C1A-C2A-CAA-CBA
14	A3	808	CLA	C1A-C2A-CAA-CBA
14	A3	818	CLA	C1A-C2A-CAA-CBA
14	A3	839	CLA	C1A-C2A-CAA-CBA
14	B3	1813	CLA	C1A-C2A-CAA-CBA
14	B3	1820	CLA	C1A-C2A-CAA-CBA
14	B3	1821	CLA	C1A-C2A-CAA-CBA
14	B3	1822	CLA	C1A-C2A-CAA-CBA
14	B3	1829	CLA	C1A-C2A-CAA-CBA
14	B3	1832	CLA	C1A-C2A-CAA-CBA
14	K3	1401	CLA	C1A-C2A-CAA-CBA
14	A4	802	CLA	C1A-C2A-CAA-CBA
14	A4	803	CLA	C1A-C2A-CAA-CBA
14	A4	807	CLA	C1A-C2A-CAA-CBA
14	A4	817	CLA	C1A-C2A-CAA-CBA
14	A4	837	CLA	C1A-C2A-CAA-CBA
14	B4	813	CLA	C1A-C2A-CAA-CBA
14	B4	820	CLA	C1A-C2A-CAA-CBA
14	B4	821	CLA	C1A-C2A-CAA-CBA
14	B4	822	CLA	C1A-C2A-CAA-CBA
14	B4	829	CLA	C1A-C2A-CAA-CBA
14	B4	832	CLA	C1A-C2A-CAA-CBA
14	B4	833	CLA	C1A-C2A-CAA-CBA
14	K4	1401	CLA	C1A-C2A-CAA-CBA
14	A6	1604	CLA	C1A-C2A-CAA-CBA
14	A6	1608	CLA	C1A-C2A-CAA-CBA
14	A6	1618	CLA	C1A-C2A-CAA-CBA
14	A6	1638	CLA	C1A-C2A-CAA-CBA
14	A6	1639	CLA	C1A-C2A-CAA-CBA
14	B6	811	CLA	C1A-C2A-CAA-CBA
14	B6	818	CLA	C1A-C2A-CAA-CBA
14	B6	819	CLA	C1A-C2A-CAA-CBA
14	B6	820	CLA	C1A-C2A-CAA-CBA
14	B6	827	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	B6	830	CLA	C1A-C2A-CAA-CBA
14	J6	1101	CLA	C1A-C2A-CAA-CBA
14	K6	1401	CLA	C1A-C2A-CAA-CBA
14	A5	803	CLA	C1A-C2A-CAA-CBA
14	A5	804	CLA	C1A-C2A-CAA-CBA
14	A5	808	CLA	C1A-C2A-CAA-CBA
14	A5	818	CLA	C1A-C2A-CAA-CBA
14	A5	838	CLA	C1A-C2A-CAA-CBA
14	B5	1813	CLA	C1A-C2A-CAA-CBA
14	B5	1820	CLA	C1A-C2A-CAA-CBA
14	B5	1821	CLA	C1A-C2A-CAA-CBA
14	B5	1822	CLA	C1A-C2A-CAA-CBA
14	B5	1829	CLA	C1A-C2A-CAA-CBA
14	B5	1832	CLA	C1A-C2A-CAA-CBA
14	K5	102	CLA	C1A-C2A-CAA-CBA
14	B1	811	CLA	C16-C17-C18-C20
14	B4	824	CLA	C6-C7-C8-C10
14	A3	832	CLA	O1D-CGD-O2D-CED
14	A1	812	CLA	C8-C10-C11-C12
14	A2	1628	CLA	C8-C10-C11-C12
14	A3	826	CLA	C8-C10-C11-C12
14	A4	812	CLA	C8-C10-C11-C12
14	B6	802	CLA	C15-C16-C17-C18
14	A5	826	CLA	C8-C10-C11-C12
17	A1	848	LHG	C4-O6-P-O3
17	A2	1653	LHG	C4-O6-P-O3
17	A5	851	LHG	C4-O6-P-O3
14	L1	201	CLA	O1D-CGD-O2D-CED
14	A1	819	CLA	C4C-C3C-CAC-CBC
14	A3	802	CLA	C15-C16-C17-C18
14	L6	202	CLA	C8-C10-C11-C12
14	A5	802	CLA	C15-C16-C17-C18
14	B4	833	CLA	CBA-CGA-O2A-C1
14	L6	203	CLA	O1D-CGD-O2D-CED
14	B6	825	CLA	CBA-CGA-O2A-C1
14	A1	802	CLA	O1D-CGD-O2D-CED
14	B1	801	CLA	C15-C16-C17-C18
14	A2	1603	CLA	C15-C16-C17-C18
14	B3	1821	CLA	C10-C11-C12-C13
14	B4	801	CLA	C15-C16-C17-C18
14	A5	813	CLA	C8-C10-C11-C12
14	B1	807	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	A4	819	CLA	C4C-C3C-CAC-CBC
14	A5	820	CLA	C4C-C3C-CAC-CBC
14	B2	815	CLA	C3-C5-C6-C7
14	B1	832	CLA	CBA-CGA-O2A-C1
14	B1	833	CLA	C4-C3-C5-C6
14	B1	834	CLA	C4-C3-C5-C6
14	B2	831	CLA	C4-C3-C5-C6
14	B2	832	CLA	C4-C3-C5-C6
14	A3	845	CLA	C4-C3-C5-C6
14	B3	1801	CLA	C4-C3-C5-C6
14	B3	1835	CLA	C4-C3-C5-C6
14	B4	834	CLA	C4-C3-C5-C6
14	B4	835	CLA	C4-C3-C5-C6
14	B6	832	CLA	C4-C3-C5-C6
14	B6	833	CLA	C4-C3-C5-C6
14	B5	1834	CLA	C4-C3-C5-C6
14	B1	814	CLA	C8-C10-C11-C12
14	A6	1626	CLA	C8-C10-C11-C12
14	A3	820	CLA	C4C-C3C-CAC-CBC
14	B6	831	CLA	O1A-CGA-O2A-C1
14	A5	811	CLA	C2A-CAA-CBA-CGA
14	B2	808	CLA	C16-C17-C18-C20
14	B3	1811	CLA	C16-C17-C18-C20
14	B5	1811	CLA	C16-C17-C18-C20
14	A5	832	CLA	O1D-CGD-O2D-CED
14	A1	839	CLA	C3-C5-C6-C7
14	B1	817	CLA	C3-C5-C6-C7
14	A2	1634	CLA	C3-C5-C6-C7
14	A2	1644	CLA	C3-C5-C6-C7
14	A3	843	CLA	C3-C5-C6-C7
14	B3	1818	CLA	C3-C5-C6-C7
14	B4	818	CLA	C3-C5-C6-C7
14	L6	202	CLA	C3-C5-C6-C7
14	L6	203	CLA	C3-C5-C6-C7
14	B3	1839	CLA	C5-C6-C7-C8
14	A2	1622	CLA	C4C-C3C-CAC-CBC
14	A4	831	CLA	C8-C10-C11-C12
19	B2	848	LMG	C30-C31-C32-C33
14	A5	818	CLA	CAA-CBA-CGA-O2A
14	B2	824	CLA	CBA-CGA-O2A-C1
17	A1	849	LHG	C11-C10-C9-C8
19	B3	1850	LMG	C30-C31-C32-C33

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Mol	Chain	Res	Type	Atoms
19	B4	851	LMG	C30-C31-C32-C33
19	B5	1851	LMG	C30-C31-C32-C33
14	B3	1833	CLA	O1A-CGA-O2A-C1
19	B6	848	LMG	C30-C31-C32-C33
14	A1	817	CLA	CAA-CBA-CGA-O2A
14	A3	818	CLA	CAA-CBA-CGA-O2A
14	A6	1618	CLA	CAA-CBA-CGA-O2A
14	B2	804	CLA	O1D-CGD-O2D-CED
14	A6	1618	CLA	O1D-CGD-O2D-CED
14	A2	1628	CLA	C15-C16-C17-C18
14	A3	826	CLA	C15-C16-C17-C18
14	A5	826	CLA	C15-C16-C17-C18
14	B1	815	CLA	C4-C3-C5-C6
14	B1	829	CLA	C4-C3-C5-C6
14	B2	813	CLA	C4-C3-C5-C6
14	B3	1834	CLA	C4-C3-C5-C6
14	B4	816	CLA	C4-C3-C5-C6
14	B4	830	CLA	C4-C3-C5-C6
14	B5	1816	CLA	C4-C3-C5-C6
17	A4	851	LHG	C11-C10-C9-C8
14	B3	1819	CLA	O1A-CGA-O2A-C1
14	B4	811	CLA	C16-C17-C18-C20
14	B6	809	CLA	C16-C17-C18-C20
14	B5	1833	CLA	CBA-CGA-O2A-C1
17	A3	854	LHG	C11-C10-C9-C8
19	B1	850	LMG	C30-C31-C32-C33
14	A3	813	CLA	C8-C10-C11-C12
14	A4	825	CLA	C15-C16-C17-C18
14	B6	813	CLA	C8-C10-C11-C12
17	A6	1650	LHG	C11-C10-C9-C8
17	A5	852	LHG	C11-C10-C9-C8
14	B1	827	CLA	O1D-CGD-O2D-CED
14	A1	810	CLA	C2A-CAA-CBA-CGA
14	A3	811	CLA	C2A-CAA-CBA-CGA
14	A4	810	CLA	C2A-CAA-CBA-CGA
14	A5	835	CLA	C2A-CAA-CBA-CGA
14	B4	839	CLA	C5-C6-C7-C8
14	A6	1626	CLA	C15-C16-C17-C18
14	B6	837	CLA	C5-C6-C7-C8
14	A3	832	CLA	C3-C5-C6-C7
14	B4	807	CLA	O1D-CGD-O2D-CED
14	A1	825	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
14	B1	802	CLA	C15-C16-C17-C18
14	A2	1604	CLA	C15-C16-C17-C18
14	B3	1802	CLA	C15-C16-C17-C18
14	A6	1603	CLA	C15-C16-C17-C18
14	A2	1623	CLA	CBA-CGA-O2A-C1
14	A2	1629	CLA	CBA-CGA-O2A-C1
14	B2	816	CLA	CBA-CGA-O2A-C1
14	B1	818	CLA	O1A-CGA-O2A-C1
14	A2	1620	CLA	CAA-CBA-CGA-O2A
14	B1	811	CLA	C16-C17-C18-C19
14	B1	823	CLA	C6-C7-C8-C10
17	A2	1654	LHG	C11-C10-C9-C8
14	J6	1101	CLA	O1D-CGD-O2D-CED
14	B4	833	CLA	O1A-CGA-O2A-C1
14	B4	802	CLA	C15-C16-C17-C18
14	B5	1802	CLA	C15-C16-C17-C18
14	B5	1839	CLA	C5-C6-C7-C8
14	B2	836	CLA	C5-C6-C7-C8
14	A5	825	CLA	C13-C15-C16-C17
14	B6	817	CLA	O1A-CGA-O2A-C1
14	A1	828	CLA	C4-C3-C5-C6
14	A2	1631	CLA	C4-C3-C5-C6
14	B2	827	CLA	C4-C3-C5-C6
14	A3	829	CLA	C4-C3-C5-C6
14	B3	1816	CLA	C4-C3-C5-C6
14	B3	1830	CLA	C4-C3-C5-C6
14	A4	828	CLA	C4-C3-C5-C6
14	A6	1629	CLA	C4-C3-C5-C6
14	B6	814	CLA	C4-C3-C5-C6
14	B6	828	CLA	C4-C3-C5-C6
14	A5	829	CLA	C4-C3-C5-C6
14	B5	1830	CLA	C4-C3-C5-C6
14	A6	1620	CLA	C4C-C3C-CAC-CBC
14	B1	807	CLA	C12-C13-C15-C16
14	B1	827	CLA	C11-C12-C13-C15
14	B1	829	CLA	C2-C3-C5-C6
14	B1	833	CLA	C11-C10-C8-C7
14	B1	841	CLA	C12-C13-C15-C16
14	L1	205	CLA	C11-C10-C8-C7
14	B2	804	CLA	C12-C13-C15-C16
14	B2	825	CLA	C11-C12-C13-C15
14	B2	826	CLA	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
14	B2	827	CLA	C2-C3-C5-C6
14	B2	831	CLA	C11-C10-C8-C7
14	B2	840	CLA	C12-C13-C15-C16
14	L2	205	CLA	C11-C10-C8-C7
14	B3	1807	CLA	C12-C13-C15-C16
14	B3	1811	CLA	C6-C7-C8-C10
14	B3	1828	CLA	C11-C12-C13-C15
14	B3	1829	CLA	C6-C7-C8-C10
14	B3	1830	CLA	C2-C3-C5-C6
14	B3	1834	CLA	C11-C10-C8-C7
14	B3	1835	CLA	C2-C3-C5-C6
14	B3	1843	CLA	C12-C13-C15-C16
14	B4	807	CLA	C12-C13-C15-C16
14	B4	816	CLA	C2-C3-C5-C6
14	B4	828	CLA	C11-C12-C13-C15
14	B4	829	CLA	C6-C7-C8-C10
14	B4	830	CLA	C2-C3-C5-C6
14	B4	834	CLA	C11-C10-C8-C7
14	B4	843	CLA	C12-C13-C15-C16
14	L4	203	CLA	C11-C10-C8-C7
14	B6	806	CLA	C12-C13-C15-C16
14	B6	814	CLA	C2-C3-C5-C6
14	B6	826	CLA	C11-C12-C13-C15
14	B6	827	CLA	C6-C7-C8-C10
14	B6	828	CLA	C2-C3-C5-C6
14	B6	832	CLA	C11-C10-C8-C7
14	L6	206	CLA	C11-C10-C8-C7
14	A5	805	CLA	C11-C10-C8-C7
14	B5	1807	CLA	C12-C13-C15-C16
14	B5	1828	CLA	C11-C12-C13-C15
14	B5	1830	CLA	C2-C3-C5-C6
14	B5	1834	CLA	C11-C10-C8-C7
14	A4	817	CLA	CAA-CBA-CGA-O2A
14	A1	828	CLA	C14-C13-C15-C16
14	B1	805	CLA	C14-C13-C15-C16
14	B1	807	CLA	C6-C7-C8-C9
14	L1	206	CLA	C11-C10-C8-C9
14	A2	1631	CLA	C14-C13-C15-C16
14	A2	1632	CLA	C11-C10-C8-C9
14	B2	802	CLA	C14-C13-C15-C16
14	B2	825	CLA	C6-C7-C8-C9
14	L2	206	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
14	A3	809	CLA	C11-C12-C13-C14
14	A3	829	CLA	C14-C13-C15-C16
14	A3	830	CLA	C11-C10-C8-C9
14	B3	1804	CLA	C14-C13-C15-C16
14	L3	204	CLA	C11-C10-C8-C9
14	A4	808	CLA	C11-C12-C13-C14
14	A4	828	CLA	C14-C13-C15-C16
14	B4	804	CLA	C14-C13-C15-C16
14	L4	204	CLA	C11-C10-C8-C9
14	A6	1609	CLA	C11-C12-C13-C14
14	A6	1629	CLA	C14-C13-C15-C16
14	A6	1630	CLA	C11-C10-C8-C9
14	A6	1651	CLA	C14-C13-C15-C16
14	B6	804	CLA	C11-C10-C8-C9
14	L6	207	CLA	C11-C10-C8-C9
14	A5	829	CLA	C14-C13-C15-C16
14	B5	1804	CLA	C14-C13-C15-C16
14	B5	1807	CLA	C6-C7-C8-C9
14	L5	205	CLA	C11-C10-C8-C9
14	A1	826	CLA	CBA-CGA-O2A-C1
14	A3	821	CLA	CBA-CGA-O2A-C1
14	A4	820	CLA	CBA-CGA-O2A-C1
14	A4	826	CLA	CBA-CGA-O2A-C1
14	A6	1621	CLA	CBA-CGA-O2A-C1
14	A6	1627	CLA	CBA-CGA-O2A-C1
14	A5	821	CLA	CBA-CGA-O2A-C1
17	A2	1654	LHG	C24-C23-O8-C6
14	A4	824	CLA	C13-C15-C16-C17
14	A1	833	CLA	C2A-CAA-CBA-CGA
14	A2	1613	CLA	C2A-CAA-CBA-CGA
14	A3	810	CLA	C2A-CAA-CBA-CGA
14	A6	1611	CLA	C2A-CAA-CBA-CGA
14	B5	1802	CLA	C2A-CAA-CBA-CGA
14	B1	832	CLA	O1A-CGA-O2A-C1
14	B4	819	CLA	O1A-CGA-O2A-C1
14	A4	802	CLA	CBD-CGD-O2D-CED
14	A6	1625	CLA	C13-C15-C16-C17
14	B2	808	CLA	C16-C17-C18-C19
14	B3	1811	CLA	C16-C17-C18-C19
14	B4	811	CLA	C16-C17-C18-C19
14	B6	809	CLA	C16-C17-C18-C19
14	B5	1811	CLA	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
14	A4	831	CLA	C3-C5-C6-C7
14	A4	841	CLA	C3-C5-C6-C7
14	B6	816	CLA	C3-C5-C6-C7
14	A5	842	CLA	C3-C5-C6-C7
14	B5	1818	CLA	C3-C5-C6-C7
14	B3	1828	CLA	O1D-CGD-O2D-CED
14	B1	838	CLA	C5-C6-C7-C8
14	B2	805	CLA	C15-C16-C17-C18
14	A3	825	CLA	C13-C15-C16-C17
14	B4	808	CLA	C15-C16-C17-C18
14	A1	820	CLA	CBA-CGA-O2A-C1
14	B1	815	CLA	CBA-CGA-O2A-C1
14	B2	813	CLA	CBA-CGA-O2A-C1
14	B3	1816	CLA	CBA-CGA-O2A-C1
14	B4	816	CLA	CBA-CGA-O2A-C1
14	A6	1626	CLA	CBA-CGA-O2A-C1
14	B6	814	CLA	CBA-CGA-O2A-C1
14	A5	826	CLA	CBA-CGA-O2A-C1
14	A5	827	CLA	CBA-CGA-O2A-C1
14	B5	1816	CLA	CBA-CGA-O2A-C1
14	A3	808	CLA	C8-C10-C11-C12
14	A4	807	CLA	C8-C10-C11-C12
14	A1	839	CLA	O1D-CGD-O2D-CED
14	A5	803	CLA	O1D-CGD-O2D-CED
14	A2	1629	CLA	O1A-CGA-O2A-C1
14	A5	826	CLA	CBD-CGD-O2D-CED
14	A1	807	CLA	C8-C10-C11-C12
14	A1	824	CLA	C13-C15-C16-C17
14	A2	1627	CLA	C13-C15-C16-C17
14	B6	807	CLA	C15-C16-C17-C18
14	A5	808	CLA	C8-C10-C11-C12
14	B3	1807	CLA	O1D-CGD-O2D-CED
14	A3	826	CLA	CBA-CGA-O2A-C1
14	B1	808	CLA	C15-C16-C17-C18
14	B5	1808	CLA	C15-C16-C17-C18
14	B1	836	CLA	O1D-CGD-O2D-CED
14	A2	1605	CLA	O1D-CGD-O2D-CED
14	A1	828	CLA	C2-C3-C5-C6
14	B1	815	CLA	C2-C3-C5-C6
14	A2	1631	CLA	C2-C3-C5-C6
14	B2	813	CLA	C2-C3-C5-C6
14	A3	829	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	B3	1816	CLA	C2-C3-C5-C6
14	A4	828	CLA	C2-C3-C5-C6
14	A6	1629	CLA	C2-C3-C5-C6
14	A5	829	CLA	C2-C3-C5-C6
14	B5	1816	CLA	C2-C3-C5-C6
14	B5	1833	CLA	O1A-CGA-O2A-C1
14	A3	843	CLA	O1D-CGD-O2D-CED
14	A2	1643	CLA	C5-C6-C7-C8
14	B3	1808	CLA	C15-C16-C17-C18
14	A1	824	CLA	CBA-CGA-O2A-C1
14	A2	1627	CLA	CBA-CGA-O2A-C1
14	A3	825	CLA	CBA-CGA-O2A-C1
14	A4	825	CLA	CBA-CGA-O2A-C1
17	A4	851	LHG	C24-C23-O8-C6
14	A1	833	CLA	C3A-C2A-CAA-CBA
14	A1	840	CLA	C3A-C2A-CAA-CBA
14	B1	816	CLA	C3A-C2A-CAA-CBA
14	B1	832	CLA	C3A-C2A-CAA-CBA
14	B1	853	CLA	C3A-C2A-CAA-CBA
14	A2	1637	CLA	C3A-C2A-CAA-CBA
14	A2	1645	CLA	C3A-C2A-CAA-CBA
14	B2	814	CLA	C3A-C2A-CAA-CBA
14	B2	824	CLA	C3A-C2A-CAA-CBA
14	B2	830	CLA	C3A-C2A-CAA-CBA
14	A3	836	CLA	C3A-C2A-CAA-CBA
14	A3	844	CLA	C3A-C2A-CAA-CBA
14	A3	845	CLA	C3A-C2A-CAA-CBA
14	B3	1801	CLA	C3A-C2A-CAA-CBA
14	B3	1817	CLA	C3A-C2A-CAA-CBA
14	B3	1833	CLA	C3A-C2A-CAA-CBA
14	A4	842	CLA	C3A-C2A-CAA-CBA
14	B4	817	CLA	C3A-C2A-CAA-CBA
14	B4	833	CLA	C3A-C2A-CAA-CBA
14	B4	852	CLA	C3A-C2A-CAA-CBA
14	A6	1641	CLA	C3A-C2A-CAA-CBA
14	B6	815	CLA	C3A-C2A-CAA-CBA
14	A5	835	CLA	C3A-C2A-CAA-CBA
14	A5	843	CLA	C3A-C2A-CAA-CBA
14	B5	1801	CLA	C3A-C2A-CAA-CBA
14	B5	1817	CLA	C3A-C2A-CAA-CBA
14	B5	1833	CLA	C3A-C2A-CAA-CBA
14	K5	101	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	A3	808	CLA	C15-C16-C17-C18
14	A6	1608	CLA	C15-C16-C17-C18
14	A6	1613	CLA	C8-C10-C11-C12
14	A5	808	CLA	C15-C16-C17-C18
14	A1	805	CLA	C16-C17-C18-C19
14	A5	806	CLA	C16-C17-C18-C19
14	A1	825	CLA	CBA-CGA-O2A-C1
14	A2	1628	CLA	CBA-CGA-O2A-C1
14	A3	827	CLA	CBA-CGA-O2A-C1
14	A4	824	CLA	CBA-CGA-O2A-C1
14	A6	1625	CLA	CBA-CGA-O2A-C1
14	L3	203	CLA	C13-C15-C16-C17
14	A4	807	CLA	C15-C16-C17-C18
14	A4	840	CLA	C5-C6-C7-C8
14	B2	823	CLA	O2A-C1-C2-C3
14	B6	824	CLA	O2A-C1-C2-C3
14	B5	1826	CLA	O2A-C1-C2-C3
14	B3	1803	CLA	C5-C6-C7-C8
14	A1	807	CLA	C15-C16-C17-C18
14	A2	1610	CLA	C15-C16-C17-C18
14	A4	805	CLA	C16-C17-C18-C19
14	A6	1606	CLA	C16-C17-C18-C19
14	B2	832	CLA	C2-C3-C5-C6
14	B4	835	CLA	C2-C3-C5-C6
14	B6	833	CLA	C2-C3-C5-C6
14	B5	1829	CLA	O1D-CGD-O2D-CED
17	A4	850	LHG	C4-O6-P-O3
14	A1	826	CLA	O1A-CGA-O2A-C1
14	B2	826	CLA	O1D-CGD-O2D-CED
14	A3	803	CLA	O1D-CGD-O2D-CED
14	B1	833	CLA	C2A-CAA-CBA-CGA
14	B2	831	CLA	C2A-CAA-CBA-CGA
14	B3	1834	CLA	C2A-CAA-CBA-CGA
14	B4	834	CLA	C2A-CAA-CBA-CGA
14	B6	832	CLA	C2A-CAA-CBA-CGA
14	L2	205	CLA	C13-C15-C16-C17
14	B4	808	CLA	C5-C6-C7-C8
14	A6	1608	CLA	C8-C10-C11-C12
14	A6	1640	CLA	C5-C6-C7-C8
14	A5	825	CLA	CBA-CGA-O2A-C1
17	A3	854	LHG	C24-C23-O8-C6
17	A6	1650	LHG	C24-C23-O8-C6

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Mol	Chain	Res	Type	Atoms
14	A4	826	CLA	O1A-CGA-O2A-C1
14	A6	1627	CLA	O1A-CGA-O2A-C1
14	A2	1608	CLA	C16-C17-C18-C19
14	A3	806	CLA	C16-C17-C18-C19
14	B5	1824	CLA	C6-C7-C8-C10
14	A6	1625	CLA	C8-C10-C11-C12
15	A1	841	PQN	C15-C16-C17-C18
14	B3	1815	CLA	C8-C10-C11-C12
14	A5	826	CLA	O1A-CGA-O2A-C1
14	A5	827	CLA	O1A-CGA-O2A-C1
17	A2	1654	LHG	O10-C23-O8-C6
14	A3	842	CLA	C5-C6-C7-C8
14	B5	1827	CLA	CBA-CGA-O2A-C1
14	A5	841	CLA	C5-C6-C7-C8
15	A5	844	PQN	C15-C16-C17-C18
14	A1	812	CLA	C2-C1-O2A-CGA
14	A2	1615	CLA	C2-C1-O2A-CGA
14	A3	813	CLA	C2-C1-O2A-CGA
14	B3	1829	CLA	C2-C1-O2A-CGA
14	A4	812	CLA	C2-C1-O2A-CGA
14	A6	1613	CLA	C2-C1-O2A-CGA
14	B6	827	CLA	C2-C1-O2A-CGA
14	A5	813	CLA	C2-C1-O2A-CGA
14	B5	1816	CLA	C2-C1-O2A-CGA
14	B6	832	CLA	O1D-CGD-O2D-CED
14	B1	834	CLA	C2-C3-C5-C6
14	A2	1623	CLA	O1A-CGA-O2A-C1
14	B2	816	CLA	O1A-CGA-O2A-C1
14	A1	838	CLA	C5-C6-C7-C8
14	B2	805	CLA	C5-C6-C7-C8
14	B6	807	CLA	C5-C6-C7-C8
14	L5	204	CLA	C13-C15-C16-C17
15	A2	1646	PQN	C15-C16-C17-C18
14	A1	808	CLA	C11-C12-C13-C14
14	B2	801	CLA	C11-C10-C8-C9
14	B2	804	CLA	C6-C7-C8-C9
14	B3	1803	CLA	C11-C10-C8-C9
14	B3	1807	CLA	C6-C7-C8-C9
14	B4	807	CLA	C6-C7-C8-C9
14	B6	806	CLA	C6-C7-C8-C9
14	A5	837	CLA	C11-C10-C8-C9
14	A4	802	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	B6	804	CLA	C5-C6-C7-C8
14	B5	1808	CLA	C5-C6-C7-C8
15	A4	843	PQN	C15-C16-C17-C18
15	A6	1642	PQN	C15-C16-C17-C18
14	A2	1609	CLA	C4-C3-C5-C6
14	A3	807	CLA	C4-C3-C5-C6
14	A4	806	CLA	C4-C3-C5-C6
14	A6	1607	CLA	C4-C3-C5-C6
14	A5	807	CLA	C4-C3-C5-C6
14	A6	1626	CLA	O1A-CGA-O2A-C1
14	A2	1637	CLA	C2A-CAA-CBA-CGA
14	A4	834	CLA	C2A-CAA-CBA-CGA
14	A6	1635	CLA	C2A-CAA-CBA-CGA
14	B5	1834	CLA	C2A-CAA-CBA-CGA
14	A1	821	CLA	O2A-C1-C2-C3
14	A2	1624	CLA	O2A-C1-C2-C3
14	A3	816	CLA	O2A-C1-C2-C3
14	A4	815	CLA	O2A-C1-C2-C3
14	A4	821	CLA	O2A-C1-C2-C3
14	A6	1622	CLA	O2A-C1-C2-C3
14	A5	822	CLA	O2A-C1-C2-C3
16	A1	846	BCR	C5-C6-C7-C8
16	B1	849	BCR	C1-C6-C7-C8
16	F1	1302	BCR	C23-C24-C25-C30
16	M1	1202	BCR	C23-C24-C25-C26
16	F2	203	BCR	C23-C24-C25-C30
16	M2	1202	BCR	C23-C24-C25-C26
16	A3	856	BCR	C1-C6-C7-C8
16	F3	203	BCR	C23-C24-C25-C30
16	M3	1602	BCR	C23-C24-C25-C26
16	A4	848	BCR	C5-C6-C7-C8
16	B4	850	BCR	C1-C6-C7-C8
16	F4	203	BCR	C23-C24-C25-C30
16	M4	101	BCR	C23-C24-C25-C26
16	A6	1647	BCR	C5-C6-C7-C8
16	F6	203	BCR	C23-C24-C25-C30
16	M6	1202	BCR	C23-C24-C25-C26
16	A5	849	BCR	C5-C6-C7-C8
16	A5	853	BCR	C1-C6-C7-C8
16	F5	1302	BCR	C23-C24-C25-C30
16	M5	101	BCR	C23-C24-C25-C26
14	L1	205	CLA	C13-C15-C16-C17

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	A3	825	CLA	C8-C10-C11-C12
14	B3	1808	CLA	C5-C6-C7-C8
15	A3	846	PQN	C15-C16-C17-C18
14	B1	819	CLA	C5-C6-C7-C8
14	L4	203	CLA	C13-C15-C16-C17
14	L6	206	CLA	C13-C15-C16-C17
14	B3	1827	CLA	O1A-CGA-O2A-C1
14	A3	806	CLA	C16-C17-C18-C20
14	B1	808	CLA	C5-C6-C7-C8
14	B2	801	CLA	C5-C6-C7-C8
14	A2	1628	CLA	O1A-CGA-O2A-C1
14	B2	813	CLA	O1A-CGA-O2A-C1
14	B3	1816	CLA	O1A-CGA-O2A-C1
14	B1	828	CLA	O1D-CGD-O2D-CED
14	B4	803	CLA	C5-C6-C7-C8
14	B5	1839	CLA	C4-C3-C5-C6
14	A1	804	CLA	C11-C10-C8-C7
14	A1	807	CLA	C11-C10-C8-C7
14	A1	828	CLA	C12-C13-C15-C16
14	B1	803	CLA	C11-C10-C8-C7
14	B1	805	CLA	C12-C13-C15-C16
14	B1	814	CLA	C11-C10-C8-C7
14	B1	828	CLA	C6-C7-C8-C10
14	B1	829	CLA	C12-C13-C15-C16
14	A2	1607	CLA	C11-C10-C8-C7
14	A2	1610	CLA	C11-C10-C8-C7
14	A2	1631	CLA	C12-C13-C15-C16
14	B2	802	CLA	C12-C13-C15-C16
14	B2	812	CLA	C11-C10-C8-C7
14	B2	827	CLA	C12-C13-C15-C16
14	A3	805	CLA	C11-C10-C8-C7
14	A3	808	CLA	C11-C10-C8-C7
14	A3	829	CLA	C12-C13-C15-C16
14	A3	840	CLA	C11-C10-C8-C7
14	B3	1804	CLA	C12-C13-C15-C16
14	B3	1815	CLA	C11-C10-C8-C7
14	B3	1830	CLA	C12-C13-C15-C16
14	L3	203	CLA	C11-C10-C8-C7
14	A4	804	CLA	C11-C10-C8-C7
14	A4	807	CLA	C11-C10-C8-C7
14	A4	828	CLA	C12-C13-C15-C16
14	A4	838	CLA	C11-C10-C8-C7

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	B4	804	CLA	C12-C13-C15-C16
14	B4	815	CLA	C11-C10-C8-C7
14	B4	830	CLA	C12-C13-C15-C16
14	A6	1605	CLA	C11-C10-C8-C7
14	A6	1608	CLA	C11-C10-C8-C7
14	A6	1629	CLA	C12-C13-C15-C16
14	A6	1633	CLA	C12-C13-C15-C16
14	A6	1651	CLA	C12-C13-C15-C16
14	B6	803	CLA	C11-C10-C8-C7
14	B6	813	CLA	C11-C10-C8-C7
14	B6	828	CLA	C12-C13-C15-C16
14	B6	841	CLA	C12-C13-C15-C16
14	L6	208	CLA	C11-C10-C8-C7
14	A5	808	CLA	C11-C10-C8-C7
14	A5	829	CLA	C12-C13-C15-C16
14	A5	839	CLA	C11-C10-C8-C7
14	B5	1804	CLA	C12-C13-C15-C16
14	B5	1811	CLA	C11-C10-C8-C7
14	B5	1815	CLA	C11-C10-C8-C7
14	B5	1830	CLA	C12-C13-C15-C16
14	B5	1843	CLA	C12-C13-C15-C16
14	L5	204	CLA	C11-C10-C8-C7
14	B4	829	CLA	O1D-CGD-O2D-CED
14	B5	1816	CLA	O1A-CGA-O2A-C1
14	A1	818	CLA	C16-C17-C18-C20
14	A2	1608	CLA	C16-C17-C18-C20
14	A5	819	CLA	C16-C17-C18-C20
14	B1	804	CLA	C5-C6-C7-C8
14	B4	831	CLA	C10-C11-C12-C13
14	B6	818	CLA	C5-C6-C7-C8
14	B5	1820	CLA	C5-C6-C7-C8
14	A3	821	CLA	O1A-CGA-O2A-C1
14	A3	827	CLA	O1A-CGA-O2A-C1
14	B4	816	CLA	O1A-CGA-O2A-C1
14	A3	834	CLA	C2A-CAA-CBA-CGA
14	L5	203	CLA	C2A-CAA-CBA-CGA
14	B5	1828	CLA	CBD-CGD-O2D-CED
14	A1	805	CLA	C16-C17-C18-C20
14	A4	818	CLA	C16-C17-C18-C20
14	A6	1606	CLA	C16-C17-C18-C20
14	A5	806	CLA	C16-C17-C18-C20
14	B3	1820	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	B1	818	CLA	C8-C10-C11-C12
14	B2	803	CLA	C10-C11-C12-C13
14	A5	825	CLA	C8-C10-C11-C12
14	A1	803	CLA	CAD-CBD-CGD-O2D
14	A1	814	CLA	CAD-CBD-CGD-O2D
14	A1	821	CLA	CAD-CBD-CGD-O2D
14	A1	825	CLA	CAD-CBD-CGD-O2D
14	B1	812	CLA	CAD-CBD-CGD-O2D
14	B1	822	CLA	CAD-CBD-CGD-O2D
14	A2	1606	CLA	CAD-CBD-CGD-O2D
14	A2	1607	CLA	CAD-CBD-CGD-O2D
14	A2	1617	CLA	CAD-CBD-CGD-O2D
14	A2	1628	CLA	CAD-CBD-CGD-O2D
14	B2	820	CLA	CAD-CBD-CGD-O2D
14	A3	804	CLA	CAD-CBD-CGD-O2D
14	A3	805	CLA	CAD-CBD-CGD-O2D
14	A3	815	CLA	CAD-CBD-CGD-O2D
14	A3	826	CLA	CAD-CBD-CGD-O2D
14	B3	1804	CLA	CAD-CBD-CGD-O2D
14	B3	1823	CLA	CAD-CBD-CGD-O2D
14	L3	202	CLA	CAD-CBD-CGD-O2D
14	M3	1601	CLA	CAD-CBD-CGD-O2D
14	A4	803	CLA	CAD-CBD-CGD-O2D
14	A4	804	CLA	CAD-CBD-CGD-O2D
14	A4	814	CLA	CAD-CBD-CGD-O2D
14	A4	821	CLA	CAD-CBD-CGD-O2D
14	A4	825	CLA	CAD-CBD-CGD-O2D
14	A4	853	CLA	CAD-CBD-CGD-O2D
14	B4	804	CLA	CAD-CBD-CGD-O2D
14	B4	823	CLA	CAD-CBD-CGD-O2D
14	A6	1605	CLA	CAD-CBD-CGD-O2D
14	A6	1615	CLA	CAD-CBD-CGD-O2D
14	A6	1622	CLA	CAD-CBD-CGD-O2D
14	A6	1626	CLA	CAD-CBD-CGD-O2D
14	B6	821	CLA	CAD-CBD-CGD-O2D
14	A5	804	CLA	CAD-CBD-CGD-O2D
14	A5	805	CLA	CAD-CBD-CGD-O2D
14	A5	815	CLA	CAD-CBD-CGD-O2D
14	A5	826	CLA	CAD-CBD-CGD-O2D
14	B5	1823	CLA	CAD-CBD-CGD-O2D
14	A2	1641	CLA	C5-C6-C7-C8
14	A6	1620	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	B6	803	CLA	C5-C6-C7-C8
14	B5	1803	CLA	C5-C6-C7-C8
14	B5	1805	CLA	C10-C11-C12-C13
14	A3	826	CLA	O1A-CGA-O2A-C1
17	A1	848	LHG	C24-C23-O8-C6
17	A5	851	LHG	C24-C23-O8-C6
14	L1	207	CLA	C4-C3-C5-C6
14	L2	207	CLA	C4-C3-C5-C6
14	L3	205	CLA	C4-C3-C5-C6
14	L5	206	CLA	C4-C3-C5-C6
14	A3	819	CLA	C16-C17-C18-C20
14	A4	805	CLA	C16-C17-C18-C20
14	A2	1610	CLA	C8-C10-C11-C12
14	A1	820	CLA	O1A-CGA-O2A-C1
14	B1	815	CLA	O1A-CGA-O2A-C1
14	A2	1627	CLA	O1A-CGA-O2A-C1
14	A6	1621	CLA	O1A-CGA-O2A-C1
14	B6	814	CLA	O1A-CGA-O2A-C1
17	A5	851	LHG	O10-C23-O8-C6
14	B1	806	CLA	C10-C11-C12-C13
14	A3	840	CLA	C5-C6-C7-C8
14	A4	838	CLA	C5-C6-C7-C8
14	A5	839	CLA	C5-C6-C7-C8
14	A1	815	CLA	O2A-C1-C2-C3
14	A2	1618	CLA	O2A-C1-C2-C3
14	B2	830	CLA	O2A-C1-C2-C3
14	A3	822	CLA	O2A-C1-C2-C3
14	B3	1833	CLA	O2A-C1-C2-C3
14	A6	1616	CLA	O2A-C1-C2-C3
14	B6	831	CLA	O2A-C1-C2-C3
14	A5	816	CLA	O2A-C1-C2-C3
14	B3	1814	CLA	C2A-CAA-CBA-CGA
14	A4	809	CLA	C2A-CAA-CBA-CGA
14	L4	201	CLA	C2A-CAA-CBA-CGA
19	B1	850	LMG	C41-C42-C43-C44
14	A5	825	CLA	O1A-CGA-O2A-C1
14	A2	1621	CLA	C16-C17-C18-C20
14	A5	826	CLA	O1D-CGD-O2D-CED
14	A1	807	CLA	CHA-CBD-CGD-O1D
14	A1	807	CLA	CHA-CBD-CGD-O2D
14	B1	807	CLA	CHA-CBD-CGD-O1D
14	B1	807	CLA	CHA-CBD-CGD-O2D

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	B1	810	CLA	CHA-CBD-CGD-O1D
14	B1	810	CLA	CHA-CBD-CGD-O2D
14	B1	825	CLA	CHA-CBD-CGD-O1D
14	B1	825	CLA	CHA-CBD-CGD-O2D
14	B1	835	CLA	CHA-CBD-CGD-O1D
14	B1	835	CLA	CHA-CBD-CGD-O2D
14	A2	1610	CLA	CHA-CBD-CGD-O1D
14	A2	1610	CLA	CHA-CBD-CGD-O2D
14	A2	1632	CLA	CHA-CBD-CGD-O1D
14	B2	801	CLA	CHA-CBD-CGD-O2D
14	B2	804	CLA	CHA-CBD-CGD-O1D
14	B2	804	CLA	CHA-CBD-CGD-O2D
14	B2	807	CLA	CHA-CBD-CGD-O1D
14	B2	807	CLA	CHA-CBD-CGD-O2D
14	B2	818	CLA	CHA-CBD-CGD-O2D
14	B2	823	CLA	CHA-CBD-CGD-O1D
14	B2	833	CLA	CHA-CBD-CGD-O1D
14	B2	833	CLA	CHA-CBD-CGD-O2D
14	A3	808	CLA	CHA-CBD-CGD-O1D
14	A3	808	CLA	CHA-CBD-CGD-O2D
14	A3	830	CLA	CHA-CBD-CGD-O1D
14	B3	1803	CLA	CHA-CBD-CGD-O1D
14	B3	1804	CLA	CHA-CBD-CGD-O1D
14	B3	1807	CLA	CHA-CBD-CGD-O1D
14	B3	1807	CLA	CHA-CBD-CGD-O2D
14	B3	1810	CLA	CHA-CBD-CGD-O1D
14	B3	1810	CLA	CHA-CBD-CGD-O2D
14	B3	1822	CLA	CHA-CBD-CGD-O1D
14	B3	1836	CLA	CHA-CBD-CGD-O1D
14	B3	1836	CLA	CHA-CBD-CGD-O2D
14	A4	807	CLA	CHA-CBD-CGD-O1D
14	A4	807	CLA	CHA-CBD-CGD-O2D
14	A4	829	CLA	CHA-CBD-CGD-O1D
14	B4	807	CLA	CHA-CBD-CGD-O1D
14	B4	807	CLA	CHA-CBD-CGD-O2D
14	B4	810	CLA	CHA-CBD-CGD-O1D
14	B4	810	CLA	CHA-CBD-CGD-O2D
14	B4	826	CLA	CHA-CBD-CGD-O1D
14	A6	1608	CLA	CHA-CBD-CGD-O1D
14	A6	1608	CLA	CHA-CBD-CGD-O2D
14	A6	1630	CLA	CHA-CBD-CGD-O1D
14	B6	804	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	B6	806	CLA	CHA-CBD-CGD-O1D
14	B6	806	CLA	CHA-CBD-CGD-O2D
14	B6	808	CLA	CHA-CBD-CGD-O1D
14	B6	819	CLA	CHA-CBD-CGD-O1D
14	B6	819	CLA	CHA-CBD-CGD-O2D
14	A5	808	CLA	CHA-CBD-CGD-O1D
14	A5	808	CLA	CHA-CBD-CGD-O2D
14	B5	1807	CLA	CHA-CBD-CGD-O1D
14	B5	1807	CLA	CHA-CBD-CGD-O2D
14	B5	1810	CLA	CHA-CBD-CGD-O1D
14	B5	1810	CLA	CHA-CBD-CGD-O2D
14	B5	1821	CLA	CHA-CBD-CGD-O1D
14	B5	1826	CLA	CHA-CBD-CGD-O1D
14	B5	1827	CLA	CHA-CBD-CGD-O1D
14	B5	1836	CLA	CHA-CBD-CGD-O1D
14	B5	1836	CLA	CHA-CBD-CGD-O2D
19	B2	848	LMG	C41-C42-C43-C44
14	B6	837	CLA	CBD-CGD-O2D-CED
14	A1	824	CLA	O1A-CGA-O2A-C1
14	A1	825	CLA	O1A-CGA-O2A-C1
14	A3	825	CLA	O1A-CGA-O2A-C1
14	A4	825	CLA	O1A-CGA-O2A-C1
14	A5	821	CLA	O1A-CGA-O2A-C1
17	A4	851	LHG	O10-C23-O8-C6
19	B3	1850	LMG	C41-C42-C43-C44
14	B6	826	CLA	CBD-CGD-O2D-CED
14	B1	803	CLA	C5-C6-C7-C8
14	B2	817	CLA	C5-C6-C7-C8
14	A4	820	CLA	O1A-CGA-O2A-C1
14	A6	1625	CLA	O1A-CGA-O2A-C1
17	A1	848	LHG	O10-C23-O8-C6
14	A6	1619	CLA	C16-C17-C18-C20
14	B1	838	CLA	C4-C3-C5-C6
14	B2	836	CLA	C4-C3-C5-C6
14	B3	1839	CLA	C4-C3-C5-C6
14	B4	839	CLA	C4-C3-C5-C6
14	L4	205	CLA	C4-C3-C5-C6
14	B6	837	CLA	C4-C3-C5-C6
14	L6	208	CLA	C4-C3-C5-C6
19	B5	1851	LMG	C41-C42-C43-C44
14	A4	824	CLA	O1A-CGA-O2A-C1
14	B5	1839	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	B2	836	CLA	O1D-CGD-O2D-CED
19	B6	848	LMG	C41-C42-C43-C44
17	A1	848	LHG	O9-C7-O7-C5
14	A1	835	CLA	C11-C10-C8-C9
14	A1	835	CLA	C11-C12-C13-C14
14	B1	804	CLA	C11-C10-C8-C9
14	B1	841	CLA	C14-C13-C15-C16
14	L1	202	CLA	C14-C13-C15-C16
14	A2	1611	CLA	C11-C12-C13-C14
14	B2	840	CLA	C14-C13-C15-C16
14	L2	202	CLA	C14-C13-C15-C16
14	B3	1843	CLA	C14-C13-C15-C16
14	A4	807	CLA	C11-C10-C8-C9
14	B4	803	CLA	C11-C10-C8-C9
14	B4	843	CLA	C14-C13-C15-C16
14	L4	201	CLA	C14-C13-C15-C16
14	A5	809	CLA	C11-C12-C13-C14
14	A5	837	CLA	C11-C12-C13-C14
14	B5	1843	CLA	C14-C13-C15-C16
14	B5	1839	CLA	CBD-CGD-O2D-CED
17	A3	854	LHG	O10-C23-O8-C6
17	A6	1650	LHG	O10-C23-O8-C6
14	B6	822	CLA	C6-C7-C8-C10
19	B4	851	LMG	C41-C42-C43-C44
14	A1	809	CLA	C2A-CAA-CBA-CGA
14	A2	1612	CLA	C2A-CAA-CBA-CGA
17	A5	852	LHG	C24-C23-O8-C6
14	A1	808	CLA	C1A-C2A-CAA-CBA
14	A1	820	CLA	C1A-C2A-CAA-CBA
14	A1	823	CLA	C1A-C2A-CAA-CBA
14	A1	840	CLA	C1A-C2A-CAA-CBA
14	B1	832	CLA	C1A-C2A-CAA-CBA
14	A2	1611	CLA	C1A-C2A-CAA-CBA
14	A2	1623	CLA	C1A-C2A-CAA-CBA
14	A2	1626	CLA	C1A-C2A-CAA-CBA
14	A2	1642	CLA	C1A-C2A-CAA-CBA
14	A2	1645	CLA	C1A-C2A-CAA-CBA
14	A3	809	CLA	C1A-C2A-CAA-CBA
14	A3	824	CLA	C1A-C2A-CAA-CBA
14	A3	841	CLA	C1A-C2A-CAA-CBA
14	A3	844	CLA	C1A-C2A-CAA-CBA
14	B3	1833	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	A4	808	CLA	C1A-C2A-CAA-CBA
14	A4	820	CLA	C1A-C2A-CAA-CBA
14	A4	823	CLA	C1A-C2A-CAA-CBA
14	A4	839	CLA	C1A-C2A-CAA-CBA
14	A4	842	CLA	C1A-C2A-CAA-CBA
14	A6	1609	CLA	C1A-C2A-CAA-CBA
14	A6	1621	CLA	C1A-C2A-CAA-CBA
14	A6	1624	CLA	C1A-C2A-CAA-CBA
14	A6	1641	CLA	C1A-C2A-CAA-CBA
14	A5	809	CLA	C1A-C2A-CAA-CBA
14	A5	821	CLA	C1A-C2A-CAA-CBA
14	A5	824	CLA	C1A-C2A-CAA-CBA
14	A5	840	CLA	C1A-C2A-CAA-CBA
14	B5	1833	CLA	C1A-C2A-CAA-CBA
14	K5	101	CLA	C1A-C2A-CAA-CBA
17	A2	1653	LHG	O9-C7-O7-C5
14	B4	805	CLA	C10-C11-C12-C13
14	A4	826	CLA	CBD-CGD-O2D-CED
14	A6	1603	CLA	C8-C10-C11-C12
14	B2	836	CLA	C2-C3-C5-C6
14	B3	1839	CLA	C2-C3-C5-C6
14	B4	839	CLA	C2-C3-C5-C6
14	B6	837	CLA	C2-C3-C5-C6
17	A2	1653	LHG	O10-C23-O8-C6
17	A4	850	LHG	O10-C23-O8-C6
17	A1	848	LHG	C4-O6-P-O4
17	A3	853	LHG	C4-O6-P-O4
17	A6	1649	LHG	C4-O6-P-O4
14	B1	833	CLA	C16-C17-C18-C20
14	B2	831	CLA	C16-C17-C18-C20
14	B3	1834	CLA	C16-C17-C18-C20
14	B4	834	CLA	C16-C17-C18-C20
14	B6	832	CLA	C16-C17-C18-C20
14	B5	1834	CLA	C16-C17-C18-C20
14	B1	832	CLA	O2A-C1-C2-C3
14	B4	833	CLA	O2A-C1-C2-C3
14	B5	1833	CLA	O2A-C1-C2-C3
17	A1	849	LHG	C24-C23-O8-C6
17	A2	1653	LHG	C24-C23-O8-C6
17	A4	850	LHG	C24-C23-O8-C6
14	A6	1626	CLA	CBD-CGD-O2D-CED
14	A5	810	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	L1	205	CLA	C3-C5-C6-C7
14	L4	203	CLA	C3-C5-C6-C7
14	B6	814	CLA	C3-C5-C6-C7
14	L5	204	CLA	C3-C5-C6-C7
14	A1	834	CLA	C2-C3-C5-C6
14	B1	807	CLA	CAD-CBD-CGD-O1D
14	A2	1625	CLA	C2-C3-C5-C6
14	A2	1638	CLA	C2-C3-C5-C6
14	B2	804	CLA	CAD-CBD-CGD-O1D
14	A3	837	CLA	C2-C3-C5-C6
14	B3	1807	CLA	CAD-CBD-CGD-O1D
14	A4	835	CLA	C2-C3-C5-C6
14	B4	807	CLA	CAD-CBD-CGD-O1D
14	A6	1636	CLA	C2-C3-C5-C6
14	B6	806	CLA	CAD-CBD-CGD-O1D
14	A5	836	CLA	C2-C3-C5-C6
14	B5	1807	CLA	CAD-CBD-CGD-O1D
14	B3	1802	CLA	C8-C10-C11-C12
14	L2	205	CLA	C3-C5-C6-C7
14	L3	203	CLA	C3-C5-C6-C7
14	B6	805	CLA	C10-C11-C12-C13
14	A3	818	CLA	CBA-CGA-O2A-C1
14	A5	806	CLA	CAA-CBA-CGA-O2A
14	B4	827	CLA	CBA-CGA-O2A-C1
17	A3	853	LHG	O9-C7-O7-C5
14	A1	803	CLA	C4-C3-C5-C6
14	A4	803	CLA	C4-C3-C5-C6
14	A6	1604	CLA	C4-C3-C5-C6
14	A1	812	CLA	C11-C10-C8-C7
14	B1	811	CLA	C6-C7-C8-C10
14	B1	828	CLA	C11-C12-C13-C15
14	B1	838	CLA	C2-C3-C5-C6
14	L1	202	CLA	C12-C13-C15-C16
14	A2	1615	CLA	C11-C10-C8-C7
14	A2	1641	CLA	C11-C10-C8-C7
14	B2	808	CLA	C6-C7-C8-C10
14	B2	826	CLA	C11-C12-C13-C15
14	L2	202	CLA	C12-C13-C15-C16
14	A3	813	CLA	C11-C10-C8-C7
14	A3	834	CLA	C12-C13-C15-C16
14	B3	1829	CLA	C11-C12-C13-C15
14	A4	812	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
14	B4	811	CLA	C6-C7-C8-C10
14	B4	829	CLA	C11-C12-C13-C15
14	L4	201	CLA	C12-C13-C15-C16
14	A6	1613	CLA	C11-C10-C8-C7
14	B6	809	CLA	C11-C10-C8-C7
14	B6	827	CLA	C11-C12-C13-C15
14	B6	831	CLA	C3A-C2A-CAA-CBA
14	A5	813	CLA	C11-C10-C8-C7
14	B5	1811	CLA	C6-C7-C8-C10
14	B5	1815	CLA	C6-C7-C8-C10
14	B5	1829	CLA	C6-C7-C8-C10
14	B5	1829	CLA	C11-C12-C13-C15
14	L5	203	CLA	C12-C13-C15-C16
14	L5	206	CLA	C11-C10-C8-C7
14	B4	816	CLA	C3-C5-C6-C7
14	L6	206	CLA	C3-C5-C6-C7
17	A4	850	LHG	C27-C28-C29-C30
14	A3	806	CLA	CAA-CBA-CGA-O2A
14	A6	1606	CLA	CAA-CBA-CGA-O2A
17	A1	848	LHG	C8-C7-O7-C5
17	A5	851	LHG	C27-C28-C29-C30
14	B5	1828	CLA	O1D-CGD-O2D-CED
17	A1	848	LHG	C27-C28-C29-C30
17	A6	1649	LHG	C27-C28-C29-C30
14	B3	1805	CLA	C10-C11-C12-C13
14	B4	820	CLA	C5-C6-C7-C8
14	L1	202	CLA	C2A-CAA-CBA-CGA
14	B2	819	CLA	C2A-CAA-CBA-CGA
14	A6	1633	CLA	C2A-CAA-CBA-CGA
17	A3	853	LHG	C27-C28-C29-C30
17	A5	852	LHG	O10-C23-O8-C6
17	A2	1653	LHG	C27-C28-C29-C30
14	A4	805	CLA	CAA-CBA-CGA-O2A
14	A1	818	CLA	C16-C17-C18-C19
14	A5	819	CLA	C16-C17-C18-C19
14	L1	207	CLA	C3-C5-C6-C7
14	L4	205	CLA	C3-C5-C6-C7
14	A6	1613	CLA	O1A-CGA-O2A-C1
14	A5	813	CLA	O1A-CGA-O2A-C1
17	A1	849	LHG	O10-C23-O8-C6
17	A6	1649	LHG	O10-C23-O8-C6
14	A2	1604	CLA	C8-C10-C11-C12

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	A2	1606	CLA	C4-C3-C5-C6
14	A3	804	CLA	C4-C3-C5-C6
17	A6	1649	LHG	C24-C23-O8-C6
14	L6	208	CLA	C2-C3-C5-C6
17	A3	853	LHG	C8-C7-O7-C5
14	A2	1608	CLA	CAA-CBA-CGA-O2A
14	B4	802	CLA	C8-C10-C11-C12
14	A1	807	CLA	C11-C10-C8-C9
14	B1	807	CLA	C14-C13-C15-C16
14	B1	829	CLA	C14-C13-C15-C16
14	A2	1610	CLA	C11-C10-C8-C9
14	A2	1639	CLA	C11-C10-C8-C9
14	A2	1639	CLA	C11-C12-C13-C14
14	B2	805	CLA	C14-C13-C15-C16
14	B2	827	CLA	C14-C13-C15-C16
14	A3	806	CLA	C6-C7-C8-C9
14	A3	808	CLA	C11-C10-C8-C9
14	A3	834	CLA	C14-C13-C15-C16
14	B3	1807	CLA	C14-C13-C15-C16
14	B3	1815	CLA	C11-C10-C8-C9
14	B3	1830	CLA	C14-C13-C15-C16
14	A4	836	CLA	C11-C10-C8-C9
14	A4	836	CLA	C11-C12-C13-C14
14	B4	808	CLA	C14-C13-C15-C16
14	B4	830	CLA	C14-C13-C15-C16
14	A6	1606	CLA	C6-C7-C8-C9
14	A6	1608	CLA	C11-C10-C8-C9
14	A6	1633	CLA	C14-C13-C15-C16
14	A6	1637	CLA	C11-C10-C8-C9
14	A6	1637	CLA	C11-C12-C13-C14
14	B6	828	CLA	C14-C13-C15-C16
14	B6	841	CLA	C14-C13-C15-C16
14	A5	808	CLA	C11-C10-C8-C9
14	B5	1803	CLA	C11-C10-C8-C9
14	B5	1807	CLA	C14-C13-C15-C16
14	B5	1808	CLA	C14-C13-C15-C16
14	B5	1830	CLA	C14-C13-C15-C16
14	L5	203	CLA	C14-C13-C15-C16
14	L5	204	CLA	C11-C10-C8-C9
14	A6	1626	CLA	O1D-CGD-O2D-CED
14	A2	1615	CLA	O1A-CGA-O2A-C1
14	B1	815	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
14	B3	1816	CLA	C3-C5-C6-C7
14	L3	205	CLA	C3-C5-C6-C7
14	B5	1816	CLA	C3-C5-C6-C7
14	A4	818	CLA	C16-C17-C18-C19
14	A6	1619	CLA	C16-C17-C18-C19
14	B1	826	CLA	O1A-CGA-O2A-C1
14	A1	812	CLA	O1A-CGA-O2A-C1
14	B6	825	CLA	O1A-CGA-O2A-C1
14	A2	1621	CLA	C16-C17-C18-C19
14	A3	819	CLA	C16-C17-C18-C19
17	A2	1653	LHG	C8-C7-O7-C5
14	A5	804	CLA	C4-C3-C5-C6
14	B5	1829	CLA	C4-C3-C5-C6
14	A1	805	CLA	CAA-CBA-CGA-O2A
19	B4	851	LMG	C34-C35-C36-C37
14	L4	205	CLA	C2-C3-C5-C6
14	B1	832	CLA	C1-C2-C3-C4
14	B2	830	CLA	C1-C2-C3-C4
14	B3	1833	CLA	C1-C2-C3-C4
14	B4	833	CLA	C1-C2-C3-C4
14	B6	831	CLA	C1-C2-C3-C4
14	B5	1833	CLA	C1-C2-C3-C4
14	A4	825	CLA	O1D-CGD-O2D-CED
19	B3	1850	LMG	C34-C35-C36-C37
14	B2	813	CLA	C3-C5-C6-C7
14	A6	1627	CLA	C3-C5-C6-C7
14	L6	208	CLA	C3-C5-C6-C7
14	A2	1635	CLA	O1D-CGD-O2D-CED
14	B6	827	CLA	O1D-CGD-O2D-CED
14	B1	821	CLA	C2A-CAA-CBA-CGA
14	B1	829	CLA	C2A-CAA-CBA-CGA
14	B2	827	CLA	C2A-CAA-CBA-CGA
14	B3	1822	CLA	C2A-CAA-CBA-CGA
14	B3	1830	CLA	C2A-CAA-CBA-CGA
14	M3	1601	CLA	C2A-CAA-CBA-CGA
14	A4	853	CLA	C2A-CAA-CBA-CGA
14	B4	822	CLA	C2A-CAA-CBA-CGA
14	A6	1610	CLA	C2A-CAA-CBA-CGA
14	B6	820	CLA	C2A-CAA-CBA-CGA
14	B6	828	CLA	C2A-CAA-CBA-CGA
14	B5	1830	CLA	C2A-CAA-CBA-CGA
17	A5	851	LHG	O9-C7-O7-C5

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Mol	Chain	Res	Type	Atoms
14	B4	804	CLA	C13-C15-C16-C17
14	B1	815	CLA	C2-C1-O2A-CGA
14	B1	828	CLA	C2-C1-O2A-CGA
14	B1	829	CLA	C2-C1-O2A-CGA
14	B1	841	CLA	C2-C1-O2A-CGA
14	B2	840	CLA	C2-C1-O2A-CGA
14	B3	1843	CLA	C2-C1-O2A-CGA
14	B4	830	CLA	C2-C1-O2A-CGA
14	B4	843	CLA	C2-C1-O2A-CGA
14	A6	1609	CLA	C2-C1-O2A-CGA
14	B6	828	CLA	C2-C1-O2A-CGA
14	B6	841	CLA	C2-C1-O2A-CGA
14	B5	1811	CLA	C2-C1-O2A-CGA
14	B5	1829	CLA	C2-C1-O2A-CGA
14	B5	1830	CLA	C2-C1-O2A-CGA
14	B2	824	CLA	O1A-CGA-O2A-C1
14	B6	826	CLA	O1D-CGD-O2D-CED
14	A3	827	CLA	C3-C5-C6-C7
14	A3	842	CLA	C3-C5-C6-C7
14	A6	1640	CLA	C3-C5-C6-C7
14	A4	830	CLA	O1D-CGD-O2D-CED
14	B4	839	CLA	O1D-CGD-O2D-CED
19	B5	1851	LMG	C34-C35-C36-C37
19	B1	850	LMG	C34-C35-C36-C37
14	A2	1615	CLA	CBA-CGA-O2A-C1
14	A2	1620	CLA	CBA-CGA-O2A-C1
14	A6	1613	CLA	CBA-CGA-O2A-C1
14	A5	813	CLA	CBA-CGA-O2A-C1
14	A3	818	CLA	O1A-CGA-O2A-C1
14	B2	804	CLA	C15-C16-C17-C18
14	B2	826	CLA	C4-C3-C5-C6
14	B3	1829	CLA	C4-C3-C5-C6
14	B6	827	CLA	C4-C3-C5-C6
16	A2	1651	BCR	C5-C6-C7-C8
16	A3	851	BCR	C5-C6-C7-C8
14	L1	207	CLA	C2-C3-C5-C6
14	L2	207	CLA	C2-C3-C5-C6
14	L3	205	CLA	C2-C3-C5-C6
14	L5	206	CLA	C2-C3-C5-C6
19	B2	848	LMG	C34-C35-C36-C37
14	B4	807	CLA	C15-C16-C17-C18
17	A4	850	LHG	C19-C20-C21-C22

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Mol	Chain	Res	Type	Atoms
14	A6	1651	CLA	C13-C15-C16-C17
14	B1	813	CLA	C2A-CAA-CBA-CGA
14	B4	814	CLA	C2A-CAA-CBA-CGA
14	B3	1829	CLA	O1D-CGD-O2D-CED
14	B2	825	CLA	CBD-CGD-O2D-CED
14	A4	825	CLA	CBD-CGD-O2D-CED
14	A6	1627	CLA	CBD-CGD-O2D-CED
17	A1	848	LHG	C3-O3-P-O6
17	A1	849	LHG	C3-O3-P-O6
17	B1	851	LHG	C3-O3-P-O6
17	A2	1653	LHG	C3-O3-P-O6
17	A2	1654	LHG	C3-O3-P-O6
17	B2	849	LHG	C3-O3-P-O6
17	A3	853	LHG	C3-O3-P-O6
17	A3	854	LHG	C3-O3-P-O6
17	X3	101	LHG	C3-O3-P-O6
17	A4	850	LHG	C3-O3-P-O6
17	A4	851	LHG	C3-O3-P-O6
17	X4	101	LHG	C3-O3-P-O6
17	A6	1649	LHG	C3-O3-P-O6
17	A6	1650	LHG	C3-O3-P-O6
17	B6	849	LHG	C3-O3-P-O6
17	A5	851	LHG	C3-O3-P-O6
17	A5	852	LHG	C3-O3-P-O6
17	X5	102	LHG	C3-O3-P-O6
17	A3	853	LHG	C19-C20-C21-C22
14	B3	1807	CLA	C15-C16-C17-C18
14	B1	807	CLA	C15-C16-C17-C18
14	B6	806	CLA	C15-C16-C17-C18
19	B6	848	LMG	C34-C35-C36-C37
14	B1	828	CLA	C4-C3-C5-C6
14	B1	854	CLA	C4-C3-C5-C6
14	L1	205	CLA	C4-C3-C5-C6
14	B2	809	CLA	C4-C3-C5-C6
14	B2	812	CLA	C4-C3-C5-C6
14	L2	205	CLA	C4-C3-C5-C6
14	B3	1812	CLA	C4-C3-C5-C6
14	B4	812	CLA	C4-C3-C5-C6
14	B4	815	CLA	C4-C3-C5-C6
14	B4	829	CLA	C4-C3-C5-C6
14	L4	203	CLA	C4-C3-C5-C6
14	B6	810	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	L6	206	CLA	C4-C3-C5-C6
14	B5	1812	CLA	C4-C3-C5-C6
14	L5	204	CLA	C4-C3-C5-C6
17	A2	1653	LHG	C19-C20-C21-C22
14	A1	808	CLA	C11-C12-C13-C15
14	A1	819	CLA	C6-C7-C8-C10
14	A1	835	CLA	C11-C12-C13-C15
14	B1	827	CLA	C6-C7-C8-C10
14	A2	1622	CLA	C6-C7-C8-C10
14	A2	1626	CLA	C6-C7-C8-C10
14	A3	809	CLA	C11-C12-C13-C15
14	A3	820	CLA	C6-C7-C8-C10
14	A3	824	CLA	C6-C7-C8-C10
14	A3	830	CLA	C11-C10-C8-C7
14	A4	808	CLA	C11-C12-C13-C15
14	A4	823	CLA	C6-C7-C8-C10
14	A6	1609	CLA	C11-C12-C13-C15
14	A6	1624	CLA	C6-C7-C8-C10
14	A6	1630	CLA	C11-C10-C8-C7
14	A5	837	CLA	C11-C12-C13-C15
17	A2	1653	LHG	C26-C27-C28-C29
14	B1	814	CLA	C11-C10-C8-C9
14	L1	205	CLA	C11-C10-C8-C9
14	A2	1634	CLA	C6-C7-C8-C9
14	B2	804	CLA	C14-C13-C15-C16
14	B2	812	CLA	C11-C10-C8-C9
14	L2	205	CLA	C11-C10-C8-C9
14	A3	832	CLA	C6-C7-C8-C9
14	A3	838	CLA	C11-C10-C8-C9
14	A3	838	CLA	C11-C12-C13-C14
14	B3	1834	CLA	C11-C10-C8-C9
14	L3	203	CLA	C11-C10-C8-C9
14	A4	831	CLA	C6-C7-C8-C9
14	B4	807	CLA	C14-C13-C15-C16
14	L4	203	CLA	C11-C10-C8-C9
14	A6	1620	CLA	C11-C10-C8-C9
14	B6	803	CLA	C11-C10-C8-C9
14	B6	806	CLA	C14-C13-C15-C16
14	B6	813	CLA	C11-C10-C8-C9
14	L6	206	CLA	C11-C10-C8-C9
14	B2	802	CLA	C13-C15-C16-C17
14	B5	1807	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
17	A5	851	LHG	C8-C7-O7-C5
17	A6	1649	LHG	C26-C27-C28-C29
17	A6	1649	LHG	C19-C20-C21-C22
14	A1	812	CLA	CBA-CGA-O2A-C1
14	A4	817	CLA	CBA-CGA-O2A-C1
14	B3	1804	CLA	C13-C15-C16-C17
14	B5	1802	CLA	C8-C10-C11-C12
14	B5	1804	CLA	C13-C15-C16-C17
17	A1	848	LHG	C26-C27-C28-C29
14	A1	815	CLA	C2A-CAA-CBA-CGA
14	B2	811	CLA	C2A-CAA-CBA-CGA
14	L5	206	CLA	C3-C5-C6-C7
14	B2	809	CLA	C13-C15-C16-C17
14	B1	833	CLA	C16-C17-C18-C19
14	B3	1834	CLA	C16-C17-C18-C19
14	B4	834	CLA	C16-C17-C18-C19
14	B6	832	CLA	C16-C17-C18-C19
14	B5	1834	CLA	C16-C17-C18-C19
19	B1	850	LMG	C15-C16-C17-C18
17	A5	851	LHG	C19-C20-C21-C22
17	A5	851	LHG	C26-C27-C28-C29
14	B1	805	CLA	C13-C15-C16-C17
14	B1	854	CLA	C13-C15-C16-C17
14	A2	1641	CLA	C8-C10-C11-C12
17	A4	850	LHG	C26-C27-C28-C29
14	L2	207	CLA	C3-C5-C6-C7
17	A1	848	LHG	C19-C20-C21-C22
14	B4	812	CLA	C13-C15-C16-C17
14	L3	203	CLA	C4-C3-C5-C6
14	B2	831	CLA	C16-C17-C18-C19
14	A5	818	CLA	CBA-CGA-O2A-C1
14	A2	1635	CLA	CBD-CGD-O2D-CED
14	A2	1643	CLA	C3-C5-C6-C7
17	A3	853	LHG	C26-C27-C28-C29
19	B4	851	LMG	C15-C16-C17-C18
19	B5	1851	LMG	C15-C16-C17-C18
14	B3	1812	CLA	C13-C15-C16-C17
14	A1	817	CLA	CBA-CGA-O2A-C1
19	B6	848	LMG	C15-C16-C17-C18
14	L2	202	CLA	C2A-CAA-CBA-CGA
14	B5	1822	CLA	C2A-CAA-CBA-CGA
14	A2	1620	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	A4	812	CLA	O1A-CGA-O2A-C1
19	B3	1850	LMG	C15-C16-C17-C18
14	B6	810	CLA	C13-C15-C16-C17
19	B2	848	LMG	C15-C16-C17-C18
14	B6	830	CLA	CAA-CBA-CGA-O2A
14	A1	838	CLA	C3-C5-C6-C7
14	A4	840	CLA	C3-C5-C6-C7
14	A5	841	CLA	C3-C5-C6-C7
14	B3	1815	CLA	C4-C3-C5-C6
14	B6	813	CLA	C4-C3-C5-C6
14	B5	1815	CLA	C4-C3-C5-C6
14	J1	101	CLA	CAA-CBA-CGA-O1A
14	J4	101	CLA	CAA-CBA-CGA-O1A
14	B6	821	CLA	CAA-CBA-CGA-O1A
14	B5	1823	CLA	CAA-CBA-CGA-O1A
14	J5	101	CLA	CAA-CBA-CGA-O1A
14	B5	1812	CLA	C13-C15-C16-C17
15	B1	842	PQN	C23-C25-C26-C27
14	A4	817	CLA	O1A-CGA-O2A-C1
14	A3	826	CLA	O1D-CGD-O2D-CED
14	A1	828	CLA	C5-C6-C7-C8
14	B1	830	CLA	C8-C10-C11-C12
14	B3	1831	CLA	C10-C11-C12-C13
14	A6	1609	CLA	C10-C11-C12-C13
14	A5	829	CLA	C5-C6-C7-C8
15	B4	844	PQN	C23-C25-C26-C27
17	A4	850	LHG	O9-C7-O7-C5
14	B1	822	CLA	CAA-CBA-CGA-O1A
14	J2	101	CLA	CAA-CBA-CGA-O1A
14	B3	1823	CLA	CAA-CBA-CGA-O1A
14	A4	853	CLA	CAA-CBA-CGA-O1A
14	X4	102	CLA	CAA-CBA-CGA-O1A
14	A1	803	CLA	C2-C1-O2A-CGA
14	B1	807	CLA	C2-C1-O2A-CGA
14	B1	811	CLA	C2-C1-O2A-CGA
14	A2	1606	CLA	C2-C1-O2A-CGA
14	A2	1624	CLA	C2-C1-O2A-CGA
14	B2	827	CLA	C2-C1-O2A-CGA
14	A3	804	CLA	C2-C1-O2A-CGA
14	B3	1816	CLA	C2-C1-O2A-CGA
14	A4	821	CLA	C2-C1-O2A-CGA
14	B4	816	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
14	B4	829	CLA	C2-C1-O2A-CGA
14	A6	1604	CLA	C2-C1-O2A-CGA
14	B6	814	CLA	C2-C1-O2A-CGA
14	A5	804	CLA	C2-C1-O2A-CGA
14	B5	1843	CLA	C2-C1-O2A-CGA
14	A1	808	CLA	C10-C11-C12-C13
14	A3	809	CLA	C10-C11-C12-C13
14	A4	808	CLA	C10-C11-C12-C13
15	B6	842	PQN	C23-C25-C26-C27
15	B5	1844	PQN	C23-C25-C26-C27
14	A2	1613	CLA	C10-C11-C12-C13
15	B2	841	PQN	C23-C25-C26-C27
14	B3	1832	CLA	CAA-CBA-CGA-O1A
14	B4	832	CLA	CAA-CBA-CGA-O1A
14	B5	1832	CLA	CAA-CBA-CGA-O2A
14	X5	101	CLA	CAA-CBA-CGA-O1A
14	A1	807	CLA	C2A-CAA-CBA-CGA
14	A2	1610	CLA	C2A-CAA-CBA-CGA
14	A3	808	CLA	C2A-CAA-CBA-CGA
14	L3	202	CLA	C2A-CAA-CBA-CGA
14	A4	807	CLA	C2A-CAA-CBA-CGA
14	A4	815	CLA	C2A-CAA-CBA-CGA
14	B4	830	CLA	C2A-CAA-CBA-CGA
14	A6	1601	CLA	C2A-CAA-CBA-CGA
14	A6	1608	CLA	C2A-CAA-CBA-CGA
14	B6	812	CLA	C2A-CAA-CBA-CGA
14	A5	816	CLA	C2A-CAA-CBA-CGA
14	B5	1814	CLA	C2A-CAA-CBA-CGA
14	L5	202	CLA	C2A-CAA-CBA-CGA
14	L5	206	CLA	C2A-CAA-CBA-CGA
14	B5	1831	CLA	C10-C11-C12-C13
14	A1	825	CLA	C3A-C2A-CAA-CBA
14	A3	826	CLA	C3A-C2A-CAA-CBA
14	A6	1626	CLA	C3A-C2A-CAA-CBA
14	A5	826	CLA	C3A-C2A-CAA-CBA
14	J6	1102	CLA	CAA-CBA-CGA-O2A
14	A6	1631	CLA	O1D-CGD-O2D-CED
17	A6	1649	LHG	O9-C7-O7-C5
14	B1	831	CLA	CAA-CBA-CGA-O1A
14	B1	831	CLA	CAA-CBA-CGA-O2A
14	B2	820	CLA	CAA-CBA-CGA-O1A
14	B2	829	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	J2	101	CLA	CAA-CBA-CGA-O2A
14	B4	832	CLA	CAA-CBA-CGA-O2A
14	B6	830	CLA	CAA-CBA-CGA-O1A
14	B1	814	CLA	C4-C3-C5-C6
14	A4	826	CLA	O1D-CGD-O2D-CED
14	A2	1629	CLA	CBD-CGD-O2D-CED
14	B2	834	CLA	CBD-CGD-O2D-CED
14	B3	1802	CLA	C3-C5-C6-C7
14	B4	802	CLA	C3-C5-C6-C7
14	A6	1603	CLA	C3-C5-C6-C7
15	B3	1844	PQN	C23-C25-C26-C27
14	A1	805	CLA	C6-C7-C8-C9
14	B1	803	CLA	C11-C10-C8-C9
14	B1	808	CLA	C14-C13-C15-C16
14	B1	815	CLA	C11-C12-C13-C14
14	A2	1608	CLA	C6-C7-C8-C9
14	B2	813	CLA	C11-C12-C13-C14
14	A3	840	CLA	C11-C10-C8-C9
14	B3	1808	CLA	C14-C13-C15-C16
14	B3	1816	CLA	C11-C12-C13-C14
14	A4	805	CLA	C6-C7-C8-C9
14	B4	815	CLA	C11-C10-C8-C9
14	B4	816	CLA	C11-C12-C13-C14
14	B6	807	CLA	C14-C13-C15-C16
14	B6	814	CLA	C11-C12-C13-C14
14	A5	806	CLA	C6-C7-C8-C9
14	B5	1816	CLA	C11-C12-C13-C14
19	B2	848	LMG	C31-C32-C33-C34
14	X1	1701	CLA	CAA-CBA-CGA-O2A
14	B2	829	CLA	CAA-CBA-CGA-O1A
14	B3	1832	CLA	CAA-CBA-CGA-O2A
14	M3	1601	CLA	CAA-CBA-CGA-O1A
14	B3	1824	CLA	C5-C6-C7-C8
16	A1	847	BCR	C11-C10-C9-C34
16	A1	847	BCR	C16-C17-C18-C36
16	B1	844	BCR	C11-C10-C9-C34
16	B1	845	BCR	C11-C10-C9-C34
16	B1	845	BCR	C20-C21-C22-C37
16	F1	1302	BCR	C35-C13-C14-C15
16	A2	1652	BCR	C11-C10-C9-C34
16	A2	1652	BCR	C16-C17-C18-C36
16	B2	843	BCR	C11-C10-C9-C34

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Mol	Chain	Res	Type	Atoms
16	B2	844	BCR	C11-C10-C9-C34
16	B2	844	BCR	C20-C21-C22-C37
16	F2	203	BCR	C35-C13-C14-C15
16	A3	852	BCR	C11-C10-C9-C34
16	A3	852	BCR	C16-C17-C18-C36
16	B3	1846	BCR	C11-C10-C9-C34
16	B3	1847	BCR	C11-C10-C9-C34
16	B3	1847	BCR	C20-C21-C22-C37
16	F3	203	BCR	C35-C13-C14-C15
16	A4	849	BCR	C11-C10-C9-C34
16	A4	849	BCR	C16-C17-C18-C36
16	B4	847	BCR	C11-C10-C9-C34
16	B4	847	BCR	C20-C21-C22-C37
16	F4	203	BCR	C35-C13-C14-C15
16	A6	1648	BCR	C11-C10-C9-C34
16	A6	1648	BCR	C16-C17-C18-C36
16	B6	844	BCR	C11-C10-C9-C34
16	B6	845	BCR	C11-C10-C9-C34
16	B6	845	BCR	C20-C21-C22-C37
16	F6	203	BCR	C35-C13-C14-C15
16	A5	850	BCR	C11-C10-C9-C34
16	A5	850	BCR	C16-C17-C18-C36
16	B5	1846	BCR	C11-C10-C9-C34
16	B5	1847	BCR	C11-C10-C9-C34
16	B5	1847	BCR	C20-C21-C22-C37
16	F5	1302	BCR	C35-C13-C14-C15
14	A1	826	CLA	C3-C5-C6-C7
14	A5	827	CLA	C3-C5-C6-C7
14	B2	822	CLA	CAA-CBA-CGA-O2A
14	J4	101	CLA	CAA-CBA-CGA-O2A
14	A6	1601	CLA	CAA-CBA-CGA-O1A
14	B6	823	CLA	CAA-CBA-CGA-O2A
14	B5	1823	CLA	CAA-CBA-CGA-O2A
14	L5	202	CLA	CAA-CBA-CGA-O1A
14	A5	814	CLA	O1D-CGD-O2D-CED
14	A2	1618	CLA	C2A-CAA-CBA-CGA
14	A3	816	CLA	C2A-CAA-CBA-CGA
14	A6	1616	CLA	C2A-CAA-CBA-CGA
14	A5	818	CLA	O1A-CGA-O2A-C1
17	A3	853	LHG	O10-C23-O8-C6
14	B2	834	CLA	O1D-CGD-O2D-CED
14	A4	832	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	B3	1819	CLA	O2A-C1-C2-C3
14	B5	1819	CLA	O2A-C1-C2-C3
14	A4	812	CLA	CBA-CGA-O2A-C1
14	B2	825	CLA	O1D-CGD-O2D-CED
14	B1	823	CLA	C5-C6-C7-C8
14	A5	809	CLA	C10-C11-C12-C13
14	J1	101	CLA	CAA-CBA-CGA-O2A
14	L3	202	CLA	CAA-CBA-CGA-O1A
14	X3	102	CLA	CAA-CBA-CGA-O2A
14	B4	825	CLA	CAA-CBA-CGA-O1A
14	B5	1832	CLA	CAA-CBA-CGA-O1A
19	B6	848	LMG	C31-C32-C33-C34
14	A3	826	CLA	CBD-CGD-O2D-CED
14	B6	828	CLA	CBD-CGD-O2D-CED
14	B1	824	CLA	CAA-CBA-CGA-O2A
14	B2	835	CLA	CAA-CBA-CGA-O1A
14	X2	1701	CLA	CAA-CBA-CGA-O1A
14	B3	1825	CLA	CAA-CBA-CGA-O2A
14	B4	823	CLA	CAA-CBA-CGA-O2A
14	B5	1825	CLA	CAA-CBA-CGA-O2A
14	J5	101	CLA	CAA-CBA-CGA-O2A
14	B4	824	CLA	C5-C6-C7-C8
14	A3	838	CLA	C4-C3-C5-C6
14	A4	836	CLA	C4-C3-C5-C6
14	A6	1637	CLA	C4-C3-C5-C6
14	A1	825	CLA	C1A-C2A-CAA-CBA
14	A1	839	CLA	C1A-C2A-CAA-CBA
14	A2	1628	CLA	C1A-C2A-CAA-CBA
14	A2	1644	CLA	C1A-C2A-CAA-CBA
14	B2	830	CLA	C1A-C2A-CAA-CBA
14	A3	821	CLA	C1A-C2A-CAA-CBA
14	A3	826	CLA	C1A-C2A-CAA-CBA
14	A3	843	CLA	C1A-C2A-CAA-CBA
14	A4	825	CLA	C1A-C2A-CAA-CBA
14	A6	1626	CLA	C1A-C2A-CAA-CBA
14	B6	831	CLA	C1A-C2A-CAA-CBA
14	A5	826	CLA	C1A-C2A-CAA-CBA
14	A5	842	CLA	C1A-C2A-CAA-CBA
14	A1	829	CLA	C11-C10-C8-C7
14	B1	811	CLA	C11-C10-C8-C7
14	B1	814	CLA	C6-C7-C8-C10
14	L1	206	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	L1	207	CLA	C11-C10-C8-C7
14	A2	1611	CLA	C11-C12-C13-C15
14	B2	812	CLA	C6-C7-C8-C10
14	B2	840	CLA	C11-C10-C8-C7
14	L2	206	CLA	C12-C13-C15-C16
14	L3	204	CLA	C12-C13-C15-C16
14	B4	811	CLA	C11-C10-C8-C7
14	B4	815	CLA	C6-C7-C8-C10
14	L4	204	CLA	C12-C13-C15-C16
14	L4	205	CLA	C11-C10-C8-C7
14	B6	809	CLA	C6-C7-C8-C10
14	L6	207	CLA	C12-C13-C15-C16
14	A5	809	CLA	C11-C12-C13-C15
14	L5	205	CLA	C12-C13-C15-C16
14	A1	831	CLA	C13-C15-C16-C17
14	A2	1604	CLA	C3-C5-C6-C7
14	B1	824	CLA	CAA-CBA-CGA-O1A
14	B2	820	CLA	CAA-CBA-CGA-O2A
14	J3	101	CLA	CAA-CBA-CGA-O2A
14	B5	1825	CLA	CAA-CBA-CGA-O1A
14	A2	1635	CLA	C13-C15-C16-C17
17	X3	101	LHG	C4-O6-P-O3
14	B4	828	CLA	O1D-CGD-O2D-CED
14	A3	813	CLA	O1A-CGA-O2A-C1
14	B1	822	CLA	CAA-CBA-CGA-O2A
14	A2	1601	CLA	CAA-CBA-CGA-O1A
14	B3	1825	CLA	CAA-CBA-CGA-O1A
14	J3	101	CLA	CAA-CBA-CGA-O1A
14	B4	825	CLA	CAA-CBA-CGA-O2A
14	J6	1102	CLA	CAA-CBA-CGA-O1A
14	X6	1701	CLA	CAA-CBA-CGA-O1A
14	X6	1701	CLA	CAA-CBA-CGA-O2A
14	X5	101	CLA	CAA-CBA-CGA-O2A
14	B6	829	CLA	C10-C11-C12-C13
14	A1	806	CLA	C2A-CAA-CBA-CGA
14	L1	207	CLA	C2A-CAA-CBA-CGA
14	A2	1601	CLA	C2A-CAA-CBA-CGA
14	A3	802	CLA	C2A-CAA-CBA-CGA
14	L3	205	CLA	C2A-CAA-CBA-CGA
14	A4	806	CLA	C2A-CAA-CBA-CGA
14	A5	802	CLA	C2A-CAA-CBA-CGA
14	A5	807	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	A5	808	CLA	C2A-CAA-CBA-CGA
14	B2	821	CLA	C5-C6-C7-C8
14	A3	833	CLA	C13-C15-C16-C17
14	A4	832	CLA	C13-C15-C16-C17
14	B4	812	CLA	C10-C11-C12-C13
14	A6	1632	CLA	C13-C15-C16-C17
14	B6	822	CLA	C5-C6-C7-C8
14	B5	1824	CLA	C5-C6-C7-C8
14	A1	817	CLA	O1A-CGA-O2A-C1
14	X1	1701	CLA	CAA-CBA-CGA-O1A
14	X2	1701	CLA	CAA-CBA-CGA-O2A
14	B3	1823	CLA	CAA-CBA-CGA-O2A
14	L3	202	CLA	CAA-CBA-CGA-O2A
14	A4	853	CLA	CAA-CBA-CGA-O2A
14	B4	823	CLA	CAA-CBA-CGA-O1A
14	X4	102	CLA	CAA-CBA-CGA-O2A
14	A6	1601	CLA	CAA-CBA-CGA-O2A
14	B6	821	CLA	CAA-CBA-CGA-O2A
14	A4	829	CLA	C5-C6-C7-C8
14	A5	833	CLA	C13-C15-C16-C17
14	A6	1618	CLA	CBA-CGA-O2A-C1
17	A3	853	LHG	C24-C23-O8-C6
14	B2	828	CLA	C10-C11-C12-C13
14	A3	811	CLA	C10-C11-C12-C13
14	B2	822	CLA	CAA-CBA-CGA-O1A
14	M3	1601	CLA	CAA-CBA-CGA-O2A
14	X3	102	CLA	CAA-CBA-CGA-O1A
14	B6	823	CLA	CAA-CBA-CGA-O1A
14	A1	826	CLA	C4-C3-C5-C6
14	A1	835	CLA	C4-C3-C5-C6
14	A2	1629	CLA	C4-C3-C5-C6
14	A2	1639	CLA	C4-C3-C5-C6
14	A4	826	CLA	C4-C3-C5-C6
14	A6	1627	CLA	C4-C3-C5-C6
14	A5	837	CLA	C4-C3-C5-C6
19	B1	850	LMG	C31-C32-C33-C34
14	B5	1812	CLA	C10-C11-C12-C13
14	B1	854	CLA	C2-C3-C5-C6
14	B2	809	CLA	C2-C3-C5-C6
14	L2	205	CLA	C2-C3-C5-C6
14	B3	1812	CLA	C2-C3-C5-C6
14	L4	203	CLA	C2-C3-C5-C6

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	L5	204	CLA	C2-C3-C5-C6
14	A3	813	CLA	CBA-CGA-O2A-C1
14	L5	202	CLA	CAA-CBA-CGA-O2A
14	A2	1611	CLA	C10-C11-C12-C13
14	A2	1632	CLA	C5-C6-C7-C8
14	B2	837	CLA	C8-C10-C11-C12
14	A5	811	CLA	C10-C11-C12-C13
14	A4	826	CLA	C3-C5-C6-C7
14	B5	1802	CLA	C3-C5-C6-C7
14	B4	828	CLA	CBD-CGD-O2D-CED
14	A5	818	CLA	CAA-CBA-CGA-O1A
16	A1	847	BCR	C11-C10-C9-C8
16	A1	847	BCR	C16-C17-C18-C19
16	B1	844	BCR	C11-C10-C9-C8
16	B1	845	BCR	C11-C10-C9-C8
16	F1	1302	BCR	C12-C13-C14-C15
16	A2	1652	BCR	C11-C10-C9-C8
16	A2	1652	BCR	C16-C17-C18-C19
16	B2	843	BCR	C11-C10-C9-C8
16	B2	844	BCR	C11-C10-C9-C8
16	F2	203	BCR	C12-C13-C14-C15
16	A3	852	BCR	C11-C10-C9-C8
16	A3	852	BCR	C16-C17-C18-C19
16	B3	1846	BCR	C11-C10-C9-C8
16	B3	1847	BCR	C11-C10-C9-C8
16	F3	203	BCR	C12-C13-C14-C15
16	A4	849	BCR	C11-C10-C9-C8
16	A4	849	BCR	C16-C17-C18-C19
16	B4	846	BCR	C11-C10-C9-C8
16	B4	847	BCR	C11-C10-C9-C8
16	F4	203	BCR	C12-C13-C14-C15
16	A6	1648	BCR	C11-C10-C9-C8
16	A6	1648	BCR	C16-C17-C18-C19
16	B6	844	BCR	C11-C10-C9-C8
16	B6	845	BCR	C11-C10-C9-C8
16	F6	203	BCR	C12-C13-C14-C15
16	A5	850	BCR	C11-C10-C9-C8
16	A5	850	BCR	C16-C17-C18-C19
16	B5	1846	BCR	C11-C10-C9-C8
16	B5	1847	BCR	C11-C10-C9-C8
16	F5	1302	BCR	C12-C13-C14-C15
14	A6	1629	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
14	B6	817	CLA	C8-C10-C11-C12
14	A6	1627	CLA	O1D-CGD-O2D-CED
14	A2	1631	CLA	C5-C6-C7-C8
14	J5	101	CLA	C2A-CAA-CBA-CGA
14	B5	1837	CLA	O1D-CGD-O2D-CED
14	B3	1812	CLA	C10-C11-C12-C13
19	B3	1850	LMG	C31-C32-C33-C34
17	A3	853	LHG	C1-C2-C3-O3
17	A5	851	LHG	C1-C2-C3-O3
14	B2	835	CLA	CAA-CBA-CGA-O2A
14	B1	854	CLA	C10-C11-C12-C13
14	A5	830	CLA	C5-C6-C7-C8
14	A2	1629	CLA	C3-C5-C6-C7
14	A1	818	CLA	C4-C3-C5-C6
14	A2	1615	CLA	C4-C3-C5-C6
14	A2	1621	CLA	C4-C3-C5-C6
14	A3	813	CLA	C4-C3-C5-C6
14	A3	819	CLA	C4-C3-C5-C6
14	A3	827	CLA	C4-C3-C5-C6
14	A4	812	CLA	C4-C3-C5-C6
14	A4	818	CLA	C4-C3-C5-C6
14	B4	801	CLA	C4-C3-C5-C6
14	A6	1613	CLA	C4-C3-C5-C6
14	A6	1619	CLA	C4-C3-C5-C6
14	A5	813	CLA	C4-C3-C5-C6
14	A5	819	CLA	C4-C3-C5-C6
14	A5	827	CLA	C4-C3-C5-C6
14	A3	818	CLA	CAA-CBA-CGA-O1A
14	A1	808	CLA	C2-C1-O2A-CGA
14	A1	834	CLA	C2-C1-O2A-CGA
14	A2	1611	CLA	C2-C1-O2A-CGA
14	A2	1638	CLA	C2-C1-O2A-CGA
14	B2	808	CLA	C2-C1-O2A-CGA
14	B2	813	CLA	C2-C1-O2A-CGA
14	B2	826	CLA	C2-C1-O2A-CGA
14	A3	809	CLA	C2-C1-O2A-CGA
14	A3	845	CLA	C2-C1-O2A-CGA
14	B3	1811	CLA	C2-C1-O2A-CGA
14	B3	1830	CLA	C2-C1-O2A-CGA
14	A4	803	CLA	C2-C1-O2A-CGA
14	A4	808	CLA	C2-C1-O2A-CGA
14	B4	803	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
14	B4	811	CLA	C2-C1-O2A-CGA
14	B6	809	CLA	C2-C1-O2A-CGA
14	A5	809	CLA	C2-C1-O2A-CGA
14	B5	1803	CLA	C2-C1-O2A-CGA
14	A1	803	CLA	C2-C3-C5-C6
14	B1	814	CLA	C2-C3-C5-C6
14	L1	205	CLA	C2-C3-C5-C6
14	A2	1606	CLA	C2-C3-C5-C6
14	L3	203	CLA	C2-C3-C5-C6
14	A4	803	CLA	C2-C3-C5-C6
14	B4	812	CLA	C2-C3-C5-C6
14	A6	1604	CLA	C2-C3-C5-C6
14	B6	810	CLA	C2-C3-C5-C6
14	L6	206	CLA	C2-C3-C5-C6
14	B5	1812	CLA	C2-C3-C5-C6
14	B5	1838	CLA	CAA-CBA-CGA-O2A
14	B2	823	CLA	C6-C7-C8-C9
14	B1	806	CLA	C11-C10-C8-C9
14	L1	201	CLA	C6-C7-C8-C9
14	A2	1632	CLA	C6-C7-C8-C9
14	B2	803	CLA	C11-C10-C8-C9
14	A3	820	CLA	C11-C10-C8-C9
14	A4	829	CLA	C6-C7-C8-C9
14	B4	805	CLA	C11-C10-C8-C9
14	L6	202	CLA	C6-C7-C8-C9
14	A5	832	CLA	C6-C7-C8-C9
14	A5	837	CLA	C6-C7-C8-C9
14	B5	1805	CLA	C11-C10-C8-C9
14	L5	204	CLA	C8-C10-C11-C12
19	B5	1851	LMG	C31-C32-C33-C34
14	A2	1601	CLA	CAA-CBA-CGA-O2A
14	A1	806	CLA	C4-C3-C5-C6
14	B5	1827	CLA	O1A-CGA-O2A-C1
17	A6	1649	LHG	C11-C10-C9-C8
14	A1	830	CLA	O1D-CGD-O2D-CED
14	A2	1603	CLA	C2A-CAA-CBA-CGA
14	A2	1609	CLA	C2A-CAA-CBA-CGA
14	J2	101	CLA	C2A-CAA-CBA-CGA
14	L2	207	CLA	C2A-CAA-CBA-CGA
14	B4	801	CLA	C2A-CAA-CBA-CGA
14	J4	101	CLA	C2A-CAA-CBA-CGA
14	J6	1102	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	B3	1808	CLA	C16-C17-C18-C20
14	B6	807	CLA	C16-C17-C18-C20
14	A1	809	CLA	CAA-CBA-CGA-O1A
17	A2	1653	LHG	C11-C10-C9-C8
14	A1	817	CLA	CAA-CBA-CGA-O1A
14	A6	1618	CLA	CAA-CBA-CGA-O1A
14	B1	854	CLA	O1A-CGA-O2A-C1
16	B1	846	BCR	C23-C24-C25-C30
16	B1	852	BCR	C23-C24-C25-C30
16	M1	1202	BCR	C1-C6-C7-C8
16	B2	842	BCR	C23-C24-C25-C26
16	B2	845	BCR	C23-C24-C25-C30
16	M2	1202	BCR	C1-C6-C7-C8
16	B3	1848	BCR	C23-C24-C25-C30
16	B3	1851	BCR	C23-C24-C25-C30
16	M3	1602	BCR	C1-C6-C7-C8
16	B4	848	BCR	C23-C24-C25-C30
16	M4	101	BCR	C1-C6-C7-C8
16	B6	846	BCR	C23-C24-C25-C30
16	B6	850	BCR	C23-C24-C25-C30
16	M6	1202	BCR	C1-C6-C7-C8
16	B5	1848	BCR	C23-C24-C25-C30
16	J5	105	BCR	C23-C24-C25-C30
16	M5	101	BCR	C1-C6-C7-C8
14	B2	809	CLA	C10-C11-C12-C13
14	B3	1826	CLA	C6-C7-C8-C9
14	B4	826	CLA	C6-C7-C8-C9
14	F2	202	CLA	CAA-CBA-CGA-O2A
14	A4	828	CLA	C5-C6-C7-C8
14	B6	824	CLA	C6-C7-C8-C9
14	A2	1620	CLA	CAA-CBA-CGA-O1A
14	A1	812	CLA	C4-C3-C5-C6
14	B1	827	CLA	C4-C3-C5-C6
14	B2	825	CLA	C4-C3-C5-C6
14	B3	1828	CLA	C4-C3-C5-C6
14	A4	807	CLA	C4-C3-C5-C6
14	B4	802	CLA	C4-C3-C5-C6
14	B6	826	CLA	C4-C3-C5-C6
14	B5	1828	CLA	C4-C3-C5-C6
14	A1	810	CLA	C10-C11-C12-C13
14	B1	828	CLA	C2-C3-C5-C6
14	B2	812	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	B2	826	CLA	C2-C3-C5-C6
14	A3	804	CLA	C2-C3-C5-C6
14	B3	1829	CLA	C2-C3-C5-C6
14	B4	815	CLA	C2-C3-C5-C6
14	B4	829	CLA	C2-C3-C5-C6
14	B6	813	CLA	C2-C3-C5-C6
14	B6	827	CLA	C2-C3-C5-C6
14	A5	804	CLA	C2-C3-C5-C6
14	B5	1815	CLA	C2-C3-C5-C6
14	B5	1829	CLA	C2-C3-C5-C6
14	A2	1641	CLA	C3-C5-C6-C7
14	A3	840	CLA	C3-C5-C6-C7
14	A5	839	CLA	C3-C5-C6-C7
14	F3	202	CLA	CAA-CBA-CGA-O2A
14	A2	1627	CLA	C8-C10-C11-C12
19	B4	851	LMG	C31-C32-C33-C34
14	F1	1301	CLA	CAA-CBA-CGA-O2A
14	B4	838	CLA	CAA-CBA-CGA-O2A
14	B1	825	CLA	C6-C7-C8-C9
17	A3	853	LHG	C11-C10-C9-C8
14	A3	829	CLA	C5-C6-C7-C8
14	A6	1611	CLA	C10-C11-C12-C13
14	A6	1630	CLA	C5-C6-C7-C8
14	A2	1629	CLA	O1D-CGD-O2D-CED
14	B1	837	CLA	CAA-CBA-CGA-O1A
14	B1	837	CLA	CAA-CBA-CGA-O2A
14	B3	1838	CLA	CAA-CBA-CGA-O2A
14	K4	1401	CLA	CAA-CBA-CGA-O1A
14	A2	1633	CLA	C2A-CAA-CBA-CGA
14	B2	816	CLA	C2A-CAA-CBA-CGA
14	A3	807	CLA	C2A-CAA-CBA-CGA
14	J3	101	CLA	C2A-CAA-CBA-CGA
14	A6	1607	CLA	C2A-CAA-CBA-CGA
14	A3	830	CLA	C5-C6-C7-C8
17	A1	848	LHG	C11-C10-C9-C8
17	A5	851	LHG	C11-C10-C9-C8
14	B1	854	CLA	CBA-CGA-O2A-C1
14	B5	1826	CLA	C6-C7-C8-C9
14	B1	803	CLA	C3-C5-C6-C7
14	B4	838	CLA	CAA-CBA-CGA-O1A
14	A5	810	CLA	CAA-CBA-CGA-O1A
14	B5	1838	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
14	B6	810	CLA	C10-C11-C12-C13
14	A1	823	CLA	C4-C3-C5-C6
14	B1	810	CLA	C4-C3-C5-C6
14	A2	1603	CLA	C4-C3-C5-C6
14	A2	1626	CLA	C4-C3-C5-C6
14	B2	821	CLA	C4-C3-C5-C6
14	B2	828	CLA	C4-C3-C5-C6
14	B3	1831	CLA	C4-C3-C5-C6
14	A4	823	CLA	C4-C3-C5-C6
14	B4	810	CLA	C4-C3-C5-C6
14	B4	824	CLA	C4-C3-C5-C6
14	A6	1608	CLA	C4-C3-C5-C6
14	A6	1624	CLA	C4-C3-C5-C6
14	B6	829	CLA	C4-C3-C5-C6
14	A5	808	CLA	C4-C3-C5-C6
14	A5	824	CLA	C4-C3-C5-C6
14	B5	1810	CLA	C4-C3-C5-C6
14	B5	1824	CLA	C4-C3-C5-C6
14	A1	826	CLA	C2-C3-C5-C6
14	A2	1629	CLA	C2-C3-C5-C6
14	A2	1639	CLA	C11-C12-C13-C15
14	A3	819	CLA	C2-C3-C5-C6
14	A3	819	CLA	C11-C10-C8-C7
14	A3	827	CLA	C2-C3-C5-C6
14	A3	838	CLA	C11-C12-C13-C15
14	B3	1815	CLA	C2-C3-C5-C6
14	L3	205	CLA	C11-C10-C8-C7
14	A4	819	CLA	C6-C7-C8-C10
14	A4	826	CLA	C2-C3-C5-C6
14	A4	836	CLA	C11-C12-C13-C15
14	A6	1620	CLA	C6-C7-C8-C10
14	A6	1627	CLA	C2-C3-C5-C6
14	A6	1637	CLA	C11-C12-C13-C15
14	A5	820	CLA	C6-C7-C8-C10
14	A5	827	CLA	C2-C3-C5-C6
14	B5	1808	CLA	C12-C13-C15-C16
14	A4	809	CLA	CAA-CBA-CGA-O1A
14	B6	803	CLA	C3-C5-C6-C7
17	A1	849	LHG	O8-C23-C24-C25
17	A2	1654	LHG	O8-C23-C24-C25
17	A4	851	LHG	O8-C23-C24-C25
14	B1	808	CLA	C16-C17-C18-C20

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Mol	Chain	Res	Type	Atoms
14	B2	805	CLA	C16-C17-C18-C20
14	B5	1808	CLA	C16-C17-C18-C20
14	A2	1612	CLA	CAA-CBA-CGA-O1A
14	K6	1401	CLA	CAA-CBA-CGA-O2A
14	A4	817	CLA	CAA-CBA-CGA-O1A
14	A1	829	CLA	C5-C6-C7-C8
14	K3	1401	CLA	CAA-CBA-CGA-O2A
14	B6	836	CLA	CAA-CBA-CGA-O2A
14	F5	1301	CLA	CAA-CBA-CGA-O2A
14	J1	101	CLA	C2A-CAA-CBA-CGA
14	A3	820	CLA	C8-C10-C11-C12
14	K4	1401	CLA	CAA-CBA-CGA-O2A
14	B6	835	CLA	O1D-CGD-O2D-CED
14	B3	1812	CLA	CBA-CGA-O2A-C1
16	L1	203	BCR	C20-C21-C22-C37
16	L2	203	BCR	C20-C21-C22-C37
16	I3	102	BCR	C20-C21-C22-C37
16	B4	846	BCR	C11-C10-C9-C34
16	I4	102	BCR	C20-C21-C22-C37
16	L6	204	BCR	C20-C21-C22-C37
16	I5	102	BCR	C20-C21-C22-C37
17	A6	1649	LHG	C11-C12-C13-C14
14	A1	807	CLA	C4-C3-C5-C6
14	A1	808	CLA	C4-C3-C5-C6
14	B1	802	CLA	C4-C3-C5-C6
14	B1	823	CLA	C4-C3-C5-C6
14	B1	830	CLA	C4-C3-C5-C6
14	A2	1604	CLA	C4-C3-C5-C6
14	A2	1610	CLA	C4-C3-C5-C6
14	A2	1611	CLA	C4-C3-C5-C6
14	B2	807	CLA	C4-C3-C5-C6
14	B2	808	CLA	C4-C3-C5-C6
14	A3	802	CLA	C4-C3-C5-C6
14	A3	809	CLA	C4-C3-C5-C6
14	A3	824	CLA	C4-C3-C5-C6
14	B3	1802	CLA	C4-C3-C5-C6
14	B3	1810	CLA	C4-C3-C5-C6
14	B3	1811	CLA	C4-C3-C5-C6
14	B3	1824	CLA	C4-C3-C5-C6
14	A4	808	CLA	C4-C3-C5-C6
14	A4	810	CLA	C4-C3-C5-C6
14	B4	828	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	B4	831	CLA	C4-C3-C5-C6
14	A6	1603	CLA	C4-C3-C5-C6
14	A6	1609	CLA	C4-C3-C5-C6
14	B6	808	CLA	C4-C3-C5-C6
14	B6	822	CLA	C4-C3-C5-C6
14	A5	809	CLA	C4-C3-C5-C6
14	B5	1802	CLA	C4-C3-C5-C6
14	B5	1831	CLA	C4-C3-C5-C6
17	A4	850	LHG	C11-C10-C9-C8
14	A6	1610	CLA	CAA-CBA-CGA-O1A
14	K6	1401	CLA	CAA-CBA-CGA-O1A
17	X4	101	LHG	C4-O6-P-O3
14	A1	818	CLA	C2-C3-C5-C6
14	A2	1621	CLA	C2-C3-C5-C6
14	A3	838	CLA	C2-C3-C5-C6
14	A4	818	CLA	C2-C3-C5-C6
14	A4	836	CLA	C2-C3-C5-C6
14	A6	1619	CLA	C2-C3-C5-C6
14	A6	1637	CLA	C2-C3-C5-C6
14	A5	819	CLA	C2-C3-C5-C6
14	B2	827	CLA	CBD-CGD-O2D-CED
14	B3	1840	CLA	C8-C10-C11-C12
14	B6	838	CLA	C8-C10-C11-C12
14	A1	835	CLA	C6-C7-C8-C9
14	B1	810	CLA	C14-C13-C15-C16
14	B1	828	CLA	C6-C7-C8-C9
14	B1	828	CLA	C11-C12-C13-C14
14	B1	833	CLA	C11-C10-C8-C9
14	A2	1641	CLA	C11-C10-C8-C9
14	B2	807	CLA	C14-C13-C15-C16
14	B2	826	CLA	C6-C7-C8-C9
14	B2	826	CLA	C11-C12-C13-C14
14	B2	831	CLA	C11-C10-C8-C9
14	A3	830	CLA	C6-C7-C8-C9
14	B3	1810	CLA	C14-C13-C15-C16
14	B3	1816	CLA	C11-C10-C8-C9
14	B3	1829	CLA	C6-C7-C8-C9
14	B3	1829	CLA	C11-C12-C13-C14
14	B4	810	CLA	C14-C13-C15-C16
14	B4	829	CLA	C6-C7-C8-C9
14	B4	829	CLA	C11-C12-C13-C14
14	B4	834	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
14	A6	1630	CLA	C6-C7-C8-C9
14	A6	1637	CLA	C6-C7-C8-C9
14	B6	827	CLA	C6-C7-C8-C9
14	B6	827	CLA	C11-C12-C13-C14
14	B6	832	CLA	C11-C10-C8-C9
14	A5	830	CLA	C6-C7-C8-C9
14	A5	839	CLA	C11-C10-C8-C9
14	B5	1810	CLA	C14-C13-C15-C16
14	B5	1815	CLA	C11-C10-C8-C9
14	B5	1829	CLA	C6-C7-C8-C9
14	A6	1618	CLA	O1A-CGA-O2A-C1
14	A3	810	CLA	CAA-CBA-CGA-O1A
14	K5	102	CLA	CAA-CBA-CGA-O2A
14	A1	822	CLA	C3A-C2A-CAA-CBA
14	B1	824	CLA	C3A-C2A-CAA-CBA
14	A2	1625	CLA	C3A-C2A-CAA-CBA
14	A2	1628	CLA	C3A-C2A-CAA-CBA
14	A2	1636	CLA	C3A-C2A-CAA-CBA
14	B2	822	CLA	C3A-C2A-CAA-CBA
14	A3	823	CLA	C3A-C2A-CAA-CBA
14	A3	835	CLA	C3A-C2A-CAA-CBA
14	B3	1825	CLA	C3A-C2A-CAA-CBA
14	A4	822	CLA	C3A-C2A-CAA-CBA
14	A4	825	CLA	C3A-C2A-CAA-CBA
14	B4	825	CLA	C3A-C2A-CAA-CBA
14	A6	1623	CLA	C3A-C2A-CAA-CBA
14	B6	823	CLA	C3A-C2A-CAA-CBA
14	A5	823	CLA	C3A-C2A-CAA-CBA
14	B5	1825	CLA	C3A-C2A-CAA-CBA
17	A6	1649	LHG	C13-C14-C15-C16
14	B3	1812	CLA	O1A-CGA-O2A-C1
14	A1	827	CLA	CAA-CBA-CGA-O2A
14	B2	821	CLA	CAA-CBA-CGA-O2A
14	B6	822	CLA	CAA-CBA-CGA-O2A
14	A5	804	CLA	CAA-CBA-CGA-O2A
14	A5	843	CLA	CAA-CBA-CGA-O2A
14	B5	1801	CLA	CAA-CBA-CGA-O2A
14	B3	1838	CLA	CAA-CBA-CGA-O1A
14	K3	1401	CLA	CAA-CBA-CGA-O1A
14	F4	202	CLA	CAA-CBA-CGA-O2A
14	A1	804	CLA	CAD-CBD-CGD-O2D
14	A1	811	CLA	CAD-CBD-CGD-O2D

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	A1	813	CLA	CAD-CBD-CGD-O2D
14	A1	826	CLA	CAD-CBD-CGD-O2D
14	A1	830	CLA	CAD-CBD-CGD-O2D
14	B1	816	CLA	CAD-CBD-CGD-O2D
14	B1	838	CLA	CAD-CBD-CGD-O2D
14	B1	854	CLA	CAD-CBD-CGD-O2D
14	L1	205	CLA	CAD-CBD-CGD-O2D
14	M1	1201	CLA	CAD-CBD-CGD-O2D
14	A2	1614	CLA	CAD-CBD-CGD-O2D
14	A2	1624	CLA	CAD-CBD-CGD-O2D
14	A2	1629	CLA	CAD-CBD-CGD-O2D
14	A2	1633	CLA	CAD-CBD-CGD-O2D
14	B2	809	CLA	CAD-CBD-CGD-O2D
14	B2	814	CLA	CAD-CBD-CGD-O2D
14	L2	205	CLA	CAD-CBD-CGD-O2D
14	M2	1201	CLA	CAD-CBD-CGD-O2D
14	A3	812	CLA	CAD-CBD-CGD-O2D
14	A3	827	CLA	CAD-CBD-CGD-O2D
14	A3	831	CLA	CAD-CBD-CGD-O2D
14	B3	1806	CLA	CAD-CBD-CGD-O2D
14	B3	1812	CLA	CAD-CBD-CGD-O2D
14	B3	1815	CLA	CAD-CBD-CGD-O2D
14	B3	1817	CLA	CAD-CBD-CGD-O2D
14	B3	1822	CLA	CAD-CBD-CGD-O2D
14	B3	1839	CLA	CAD-CBD-CGD-O2D
14	L3	203	CLA	CAD-CBD-CGD-O2D
14	A4	811	CLA	CAD-CBD-CGD-O2D
14	A4	826	CLA	CAD-CBD-CGD-O2D
14	A4	830	CLA	CAD-CBD-CGD-O2D
14	A4	836	CLA	CAD-CBD-CGD-O2D
14	B4	806	CLA	CAD-CBD-CGD-O2D
14	B4	812	CLA	CAD-CBD-CGD-O2D
14	B4	817	CLA	CAD-CBD-CGD-O2D
14	B4	822	CLA	CAD-CBD-CGD-O2D
14	A6	1604	CLA	CAD-CBD-CGD-O2D
14	A6	1612	CLA	CAD-CBD-CGD-O2D
14	A6	1627	CLA	CAD-CBD-CGD-O2D
14	A6	1631	CLA	CAD-CBD-CGD-O2D
14	A6	1651	CLA	CAD-CBD-CGD-O2D
14	B6	810	CLA	CAD-CBD-CGD-O2D
14	B6	813	CLA	CAD-CBD-CGD-O2D
14	B6	815	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
14	B6	837	CLA	CAD-CBD-CGD-O2D
14	M6	1201	CLA	CAD-CBD-CGD-O2D
14	A5	812	CLA	CAD-CBD-CGD-O2D
14	A5	814	CLA	CAD-CBD-CGD-O2D
14	A5	827	CLA	CAD-CBD-CGD-O2D
14	A5	831	CLA	CAD-CBD-CGD-O2D
14	A5	837	CLA	CAD-CBD-CGD-O2D
14	B5	1806	CLA	CAD-CBD-CGD-O2D
14	B5	1812	CLA	CAD-CBD-CGD-O2D
14	B5	1817	CLA	CAD-CBD-CGD-O2D
14	X3	102	CLA	C2A-CAA-CBA-CGA
14	L4	205	CLA	C2A-CAA-CBA-CGA
14	X6	1701	CLA	C2A-CAA-CBA-CGA
14	A5	822	CLA	C2-C1-O2A-CGA
14	K5	102	CLA	CAA-CBA-CGA-O1A
14	B1	853	CLA	CAA-CBA-CGA-O2A
14	A3	825	CLA	CAA-CBA-CGA-O2A
14	B3	1802	CLA	CAA-CBA-CGA-O2A
14	A4	824	CLA	CAA-CBA-CGA-O2A
14	A6	1604	CLA	CAA-CBA-CGA-O2A
14	A5	825	CLA	CAA-CBA-CGA-O2A
14	A5	828	CLA	CAA-CBA-CGA-O2A
17	A3	854	LHG	O7-C7-C8-C9
17	A5	852	LHG	O7-C7-C8-C9
14	B1	828	CLA	C5-C6-C7-C8
14	A4	810	CLA	C10-C11-C12-C13
14	B5	1819	CLA	C8-C10-C11-C12
17	A1	848	LHG	C13-C14-C15-C16
14	B6	828	CLA	O1D-CGD-O2D-CED
14	A1	820	CLA	C4-C3-C5-C6
14	B1	811	CLA	C4-C3-C5-C6
14	A2	1613	CLA	C4-C3-C5-C6
14	A3	808	CLA	C4-C3-C5-C6
14	A3	818	CLA	C4-C3-C5-C6
14	A3	821	CLA	C4-C3-C5-C6
14	A4	820	CLA	C4-C3-C5-C6
14	B4	811	CLA	C4-C3-C5-C6
14	A6	1621	CLA	C4-C3-C5-C6
14	B6	809	CLA	C4-C3-C5-C6
14	A5	802	CLA	C4-C3-C5-C6
14	B5	1811	CLA	C4-C3-C5-C6
14	B4	808	CLA	C16-C17-C18-C20

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Mol	Chain	Res	Type	Atoms
14	B1	802	CLA	C3-C5-C6-C7
14	F1	1301	CLA	CAA-CBA-CGA-O1A
14	F6	202	CLA	CAA-CBA-CGA-O2A
14	B3	1829	CLA	C5-C6-C7-C8
14	B6	827	CLA	C5-C6-C7-C8
14	A1	808	CLA	C2-C3-C5-C6
14	A1	835	CLA	C2-C3-C5-C6
14	A2	1611	CLA	C2-C3-C5-C6
14	A2	1639	CLA	C2-C3-C5-C6
14	B2	808	CLA	C2-C3-C5-C6
14	A3	809	CLA	C2-C3-C5-C6
14	A6	1609	CLA	C2-C3-C5-C6
14	A5	809	CLA	C2-C3-C5-C6
14	A5	837	CLA	C2-C3-C5-C6
14	B1	833	CLA	CAA-CBA-CGA-O2A
14	A2	1604	CLA	CAA-CBA-CGA-O2A
14	B2	831	CLA	CAA-CBA-CGA-O2A
14	B3	1834	CLA	CAA-CBA-CGA-O2A
14	B4	824	CLA	CAA-CBA-CGA-O2A
14	A6	1625	CLA	CAA-CBA-CGA-O2A
17	A1	849	LHG	O7-C7-C8-C9
17	A2	1654	LHG	O7-C7-C8-C9
17	A4	851	LHG	O7-C7-C8-C9
17	A6	1650	LHG	O7-C7-C8-C9
17	A2	1653	LHG	C13-C14-C15-C16
17	A2	1653	LHG	C25-C26-C27-C28
17	A4	850	LHG	C13-C14-C15-C16
17	A5	851	LHG	C13-C14-C15-C16
14	F2	202	CLA	CAA-CBA-CGA-O1A
14	K2	1401	CLA	CAA-CBA-CGA-O2A
14	F3	202	CLA	CAA-CBA-CGA-O1A
14	A5	833	CLA	O1D-CGD-O2D-CED
14	A1	831	CLA	C15-C16-C17-C18
14	A2	1606	CLA	CAA-CBA-CGA-O2A
14	B4	834	CLA	CAA-CBA-CGA-O2A
14	B6	832	CLA	CAA-CBA-CGA-O2A
14	B5	1834	CLA	CAA-CBA-CGA-O2A
14	K1	1401	CLA	CAA-CBA-CGA-O1A
14	K1	1401	CLA	CAA-CBA-CGA-O2A
14	B5	1837	CLA	CBD-CGD-O2D-CED
17	A2	1653	LHG	C11-C12-C13-C14
14	A1	811	CLA	O2A-C1-C2-C3

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Mol	Chain	Res	Type	Atoms
14	A1	824	CLA	O2A-C1-C2-C3
14	B1	818	CLA	O2A-C1-C2-C3
14	B1	834	CLA	O2A-C1-C2-C3
14	L1	201	CLA	O2A-C1-C2-C3
14	A2	1614	CLA	O2A-C1-C2-C3
14	A2	1627	CLA	O2A-C1-C2-C3
14	A2	1634	CLA	O2A-C1-C2-C3
14	B2	816	CLA	O2A-C1-C2-C3
14	B2	832	CLA	O2A-C1-C2-C3
14	A3	812	CLA	O2A-C1-C2-C3
14	A3	825	CLA	O2A-C1-C2-C3
14	A3	832	CLA	O2A-C1-C2-C3
14	B3	1835	CLA	O2A-C1-C2-C3
14	A4	811	CLA	O2A-C1-C2-C3
14	A4	824	CLA	O2A-C1-C2-C3
14	A4	831	CLA	O2A-C1-C2-C3
14	B4	819	CLA	O2A-C1-C2-C3
14	B4	835	CLA	O2A-C1-C2-C3
14	A6	1612	CLA	O2A-C1-C2-C3
14	A6	1625	CLA	O2A-C1-C2-C3
14	B6	817	CLA	O2A-C1-C2-C3
14	B6	833	CLA	O2A-C1-C2-C3
14	L6	202	CLA	O2A-C1-C2-C3
14	A5	812	CLA	O2A-C1-C2-C3
14	A5	825	CLA	O2A-C1-C2-C3
14	A5	832	CLA	O2A-C1-C2-C3
14	B5	1835	CLA	O2A-C1-C2-C3
14	B1	801	CLA	C2A-CAA-CBA-CGA
14	X1	1701	CLA	C2A-CAA-CBA-CGA
14	X2	1701	CLA	C2A-CAA-CBA-CGA
14	B6	802	CLA	C2A-CAA-CBA-CGA
14	B6	827	CLA	C2A-CAA-CBA-CGA
14	L6	208	CLA	C2A-CAA-CBA-CGA
14	B5	1829	CLA	C2A-CAA-CBA-CGA
17	A3	853	LHG	C11-C12-C13-C14
14	B1	802	CLA	CAA-CBA-CGA-O2A
14	A3	804	CLA	CAA-CBA-CGA-O2A
14	A3	828	CLA	CAA-CBA-CGA-O2A
14	B3	1824	CLA	CAA-CBA-CGA-O2A
14	A6	1628	CLA	CAA-CBA-CGA-O2A
14	B5	1802	CLA	CAA-CBA-CGA-O2A
14	A4	838	CLA	C3-C5-C6-C7

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	B6	836	CLA	CAA-CBA-CGA-O1A
14	B1	839	CLA	C8-C10-C11-C12
14	B6	807	CLA	C16-C17-C18-C19
17	A6	1649	LHG	C1-C2-C3-O3
14	A4	830	CLA	CBD-CGD-O2D-CED
14	B6	835	CLA	CBD-CGD-O2D-CED
17	A5	851	LHG	C25-C26-C27-C28
14	B6	837	CLA	O1D-CGD-O2D-CED
14	A1	802	CLA	CHA-CBD-CGD-O1D
14	A1	809	CLA	CHA-CBD-CGD-O1D
14	A1	809	CLA	CHA-CBD-CGD-O2D
14	A1	818	CLA	CHA-CBD-CGD-O1D
14	A1	818	CLA	CHA-CBD-CGD-O2D
14	A1	819	CLA	CHA-CBD-CGD-O2D
14	A1	823	CLA	CHA-CBD-CGD-O1D
14	A1	823	CLA	CHA-CBD-CGD-O2D
14	A1	824	CLA	CHA-CBD-CGD-O2D
14	A1	836	CLA	CHA-CBD-CGD-O1D
14	A1	836	CLA	CHA-CBD-CGD-O2D
14	B1	804	CLA	CHA-CBD-CGD-O1D
14	B1	804	CLA	CHA-CBD-CGD-O2D
14	B1	811	CLA	CHA-CBD-CGD-O2D
14	B1	815	CLA	CHA-CBD-CGD-O1D
14	B1	815	CLA	CHA-CBD-CGD-O2D
14	B1	827	CLA	CHA-CBD-CGD-O1D
14	B1	834	CLA	CHA-CBD-CGD-O1D
14	B1	834	CLA	CHA-CBD-CGD-O2D
14	J1	101	CLA	CHA-CBD-CGD-O1D
14	J1	101	CLA	CHA-CBD-CGD-O2D
14	L1	205	CLA	CHA-CBD-CGD-O2D
14	L1	206	CLA	CHA-CBD-CGD-O2D
14	X1	1701	CLA	CHA-CBD-CGD-O1D
14	A2	1602	CLA	CHA-CBD-CGD-O1D
14	A2	1602	CLA	CHA-CBD-CGD-O2D
14	A2	1605	CLA	CHA-CBD-CGD-O1D
14	A2	1612	CLA	CHA-CBD-CGD-O1D
14	A2	1612	CLA	CHA-CBD-CGD-O2D
14	A2	1621	CLA	CHA-CBD-CGD-O1D
14	A2	1621	CLA	CHA-CBD-CGD-O2D
14	A2	1624	CLA	CHA-CBD-CGD-O1D
14	A2	1626	CLA	CHA-CBD-CGD-O2D
14	A2	1627	CLA	CHA-CBD-CGD-O2D

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	A2	1640	CLA	CHA-CBD-CGD-O1D
14	A2	1640	CLA	CHA-CBD-CGD-O2D
14	B2	806	CLA	CHA-CBD-CGD-O2D
14	B2	808	CLA	CHA-CBD-CGD-O1D
14	B2	808	CLA	CHA-CBD-CGD-O2D
14	B2	813	CLA	CHA-CBD-CGD-O1D
14	B2	813	CLA	CHA-CBD-CGD-O2D
14	B2	819	CLA	CHA-CBD-CGD-O2D
14	B2	825	CLA	CHA-CBD-CGD-O1D
14	B2	832	CLA	CHA-CBD-CGD-O1D
14	B2	832	CLA	CHA-CBD-CGD-O2D
14	J2	101	CLA	CHA-CBD-CGD-O1D
14	J2	101	CLA	CHA-CBD-CGD-O2D
14	L2	206	CLA	CHA-CBD-CGD-O2D
14	X2	1701	CLA	CHA-CBD-CGD-O1D
14	A3	801	CLA	CHA-CBD-CGD-O1D
14	A3	801	CLA	CHA-CBD-CGD-O2D
14	A3	803	CLA	CHA-CBD-CGD-O1D
14	A3	810	CLA	CHA-CBD-CGD-O1D
14	A3	810	CLA	CHA-CBD-CGD-O2D
14	A3	819	CLA	CHA-CBD-CGD-O1D
14	A3	819	CLA	CHA-CBD-CGD-O2D
14	A3	824	CLA	CHA-CBD-CGD-O2D
14	A3	839	CLA	CHA-CBD-CGD-O1D
14	A3	839	CLA	CHA-CBD-CGD-O2D
14	B3	1803	CLA	CHA-CBD-CGD-O2D
14	B3	1811	CLA	CHA-CBD-CGD-O1D
14	B3	1811	CLA	CHA-CBD-CGD-O2D
14	B3	1816	CLA	CHA-CBD-CGD-O1D
14	B3	1816	CLA	CHA-CBD-CGD-O2D
14	B3	1821	CLA	CHA-CBD-CGD-O1D
14	B3	1821	CLA	CHA-CBD-CGD-O2D
14	B3	1835	CLA	CHA-CBD-CGD-O1D
14	B3	1835	CLA	CHA-CBD-CGD-O2D
14	J3	101	CLA	CHA-CBD-CGD-O1D
14	J3	101	CLA	CHA-CBD-CGD-O2D
14	K3	1401	CLA	CHA-CBD-CGD-O2D
14	L3	203	CLA	CHA-CBD-CGD-O2D
14	X3	102	CLA	CHA-CBD-CGD-O1D
14	X3	102	CLA	CHA-CBD-CGD-O2D
14	A4	801	CLA	CHA-CBD-CGD-O1D
14	A4	801	CLA	CHA-CBD-CGD-O2D

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	A4	809	CLA	CHA-CBD-CGD-O1D
14	A4	809	CLA	CHA-CBD-CGD-O2D
14	A4	818	CLA	CHA-CBD-CGD-O1D
14	A4	818	CLA	CHA-CBD-CGD-O2D
14	A4	823	CLA	CHA-CBD-CGD-O2D
14	A4	824	CLA	CHA-CBD-CGD-O1D
14	A4	824	CLA	CHA-CBD-CGD-O2D
14	A4	837	CLA	CHA-CBD-CGD-O1D
14	A4	837	CLA	CHA-CBD-CGD-O2D
14	B4	803	CLA	CHA-CBD-CGD-O1D
14	B4	803	CLA	CHA-CBD-CGD-O2D
14	B4	811	CLA	CHA-CBD-CGD-O2D
14	B4	816	CLA	CHA-CBD-CGD-O1D
14	B4	816	CLA	CHA-CBD-CGD-O2D
14	B4	821	CLA	CHA-CBD-CGD-O1D
14	B4	821	CLA	CHA-CBD-CGD-O2D
14	B4	828	CLA	CHA-CBD-CGD-O1D
14	B4	835	CLA	CHA-CBD-CGD-O1D
14	B4	835	CLA	CHA-CBD-CGD-O2D
14	B4	836	CLA	CHA-CBD-CGD-O1D
14	B4	836	CLA	CHA-CBD-CGD-O2D
14	J4	101	CLA	CHA-CBD-CGD-O1D
14	J4	101	CLA	CHA-CBD-CGD-O2D
14	A6	1602	CLA	CHA-CBD-CGD-O1D
14	A6	1602	CLA	CHA-CBD-CGD-O2D
14	A6	1610	CLA	CHA-CBD-CGD-O1D
14	A6	1610	CLA	CHA-CBD-CGD-O2D
14	A6	1619	CLA	CHA-CBD-CGD-O1D
14	A6	1619	CLA	CHA-CBD-CGD-O2D
14	A6	1620	CLA	CHA-CBD-CGD-O2D
14	A6	1625	CLA	CHA-CBD-CGD-O1D
14	A6	1638	CLA	CHA-CBD-CGD-O1D
14	A6	1638	CLA	CHA-CBD-CGD-O2D
14	A6	1651	CLA	CHA-CBD-CGD-O2D
14	B6	808	CLA	CHA-CBD-CGD-O2D
14	B6	809	CLA	CHA-CBD-CGD-O1D
14	B6	809	CLA	CHA-CBD-CGD-O2D
14	B6	814	CLA	CHA-CBD-CGD-O1D
14	B6	814	CLA	CHA-CBD-CGD-O2D
14	B6	833	CLA	CHA-CBD-CGD-O1D
14	B6	833	CLA	CHA-CBD-CGD-O2D
14	B6	834	CLA	CHA-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	B6	834	CLA	CHA-CBD-CGD-O2D
14	I6	101	CLA	CHA-CBD-CGD-O2D
14	J6	1101	CLA	CHA-CBD-CGD-O1D
14	J6	1102	CLA	CHA-CBD-CGD-O1D
14	J6	1102	CLA	CHA-CBD-CGD-O2D
14	L6	207	CLA	CHA-CBD-CGD-O2D
14	X6	1701	CLA	CHA-CBD-CGD-O1D
14	X6	1701	CLA	CHA-CBD-CGD-O2D
14	A5	801	CLA	CHA-CBD-CGD-O1D
14	A5	803	CLA	CHA-CBD-CGD-O2D
14	A5	810	CLA	CHA-CBD-CGD-O1D
14	A5	810	CLA	CHA-CBD-CGD-O2D
14	A5	819	CLA	CHA-CBD-CGD-O1D
14	A5	819	CLA	CHA-CBD-CGD-O2D
14	A5	824	CLA	CHA-CBD-CGD-O2D
14	A5	825	CLA	CHA-CBD-CGD-O1D
14	A5	825	CLA	CHA-CBD-CGD-O2D
14	A5	838	CLA	CHA-CBD-CGD-O1D
14	A5	838	CLA	CHA-CBD-CGD-O2D
14	B5	1803	CLA	CHA-CBD-CGD-O1D
14	B5	1803	CLA	CHA-CBD-CGD-O2D
14	B5	1811	CLA	CHA-CBD-CGD-O1D
14	B5	1811	CLA	CHA-CBD-CGD-O2D
14	B5	1816	CLA	CHA-CBD-CGD-O1D
14	B5	1816	CLA	CHA-CBD-CGD-O2D
14	B5	1821	CLA	CHA-CBD-CGD-O2D
14	B5	1822	CLA	CHA-CBD-CGD-O2D
14	B5	1828	CLA	CHA-CBD-CGD-O1D
14	B5	1835	CLA	CHA-CBD-CGD-O1D
14	B5	1835	CLA	CHA-CBD-CGD-O2D
14	J5	101	CLA	CHA-CBD-CGD-O1D
14	J5	101	CLA	CHA-CBD-CGD-O2D
14	X5	101	CLA	CHA-CBD-CGD-O1D
14	B4	829	CLA	C5-C6-C7-C8
14	K2	1401	CLA	CAA-CBA-CGA-O1A
14	A3	810	CLA	CAA-CBA-CGA-O2A
14	F4	202	CLA	CAA-CBA-CGA-O1A
14	B6	812	CLA	CAA-CBA-CGA-O1A
14	F6	202	CLA	CAA-CBA-CGA-O1A
14	A1	817	CLA	C4-C3-C5-C6
14	B1	801	CLA	C4-C3-C5-C6
14	A2	1620	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
14	A2	1623	CLA	C4-C3-C5-C6
14	A4	817	CLA	C4-C3-C5-C6
14	A6	1618	CLA	C4-C3-C5-C6
14	B6	802	CLA	C4-C3-C5-C6
14	A5	818	CLA	C4-C3-C5-C6
14	A5	821	CLA	C4-C3-C5-C6
14	A1	810	CLA	CAA-CBA-CGA-O2A
14	A1	824	CLA	CAA-CBA-CGA-O2A
14	A2	1627	CLA	CAA-CBA-CGA-O2A
14	B3	1801	CLA	CAA-CBA-CGA-O2A
14	B3	1808	CLA	CAA-CBA-CGA-O2A
14	A4	827	CLA	CAA-CBA-CGA-O2A
14	B4	802	CLA	CAA-CBA-CGA-O2A
14	B4	852	CLA	CAA-CBA-CGA-O2A
14	B1	811	CLA	C2-C3-C5-C6
14	B3	1811	CLA	C2-C3-C5-C6
14	A4	808	CLA	C2-C3-C5-C6
14	B4	811	CLA	C2-C3-C5-C6
14	B6	809	CLA	C2-C3-C5-C6
14	B5	1811	CLA	C2-C3-C5-C6
17	A1	848	LHG	C25-C26-C27-C28
17	A4	850	LHG	C8-C7-O7-C5
14	B2	826	CLA	C5-C6-C7-C8
14	B4	837	CLA	O1D-CGD-O2D-CED
16	B1	845	BCR	C20-C21-C22-C23
16	L1	203	BCR	C20-C21-C22-C23
16	B2	844	BCR	C20-C21-C22-C23
16	L2	203	BCR	C20-C21-C22-C23
16	B3	1847	BCR	C20-C21-C22-C23
16	I3	102	BCR	C20-C21-C22-C23
16	B4	847	BCR	C20-C21-C22-C23
16	I4	102	BCR	C20-C21-C22-C23
16	B6	845	BCR	C20-C21-C22-C23
16	L6	204	BCR	C20-C21-C22-C23
16	B5	1847	BCR	C20-C21-C22-C23
16	I5	102	BCR	C20-C21-C22-C23
14	B5	1814	CLA	CAA-CBA-CGA-O1A
14	B3	1808	CLA	C16-C17-C18-C19
14	A4	820	CLA	C13-C15-C16-C17
14	A2	1630	CLA	CAA-CBA-CGA-O2A
14	A3	811	CLA	CAA-CBA-CGA-O2A
14	A3	845	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	A4	803	CLA	CAA-CBA-CGA-O2A
14	B4	808	CLA	CAA-CBA-CGA-O2A
14	A6	1603	CLA	CAA-CBA-CGA-O2A
14	B6	807	CLA	CAA-CBA-CGA-O2A
14	B5	1808	CLA	CAA-CBA-CGA-O2A
17	A3	853	LHG	C13-C14-C15-C16
14	A5	833	CLA	C15-C16-C17-C18
14	B2	811	CLA	CAA-CBA-CGA-O1A
14	B4	827	CLA	O1A-CGA-O2A-C1
17	A3	853	LHG	C25-C26-C27-C28
14	A1	801	CLA	CAA-CBA-CGA-O2A
14	A1	803	CLA	CAA-CBA-CGA-O2A
14	A1	806	CLA	CAA-CBA-CGA-O2A
14	A1	819	CLA	CAA-CBA-CGA-O2A
14	B1	808	CLA	CAA-CBA-CGA-O2A
14	B1	823	CLA	CAA-CBA-CGA-O2A
14	A2	1613	CLA	CAA-CBA-CGA-O2A
14	B2	805	CLA	CAA-CBA-CGA-O2A
14	A4	810	CLA	CAA-CBA-CGA-O2A
14	A5	820	CLA	CAA-CBA-CGA-O2A
14	B2	827	CLA	O1D-CGD-O2D-CED
17	A5	851	LHG	C11-C12-C13-C14
14	A1	811	CLA	C2A-CAA-CBA-CGA
14	A1	830	CLA	C2A-CAA-CBA-CGA
14	B3	1829	CLA	C2A-CAA-CBA-CGA
14	A3	815	CLA	CAA-CBA-CGA-O2A
14	B3	1817	CLA	CAA-CBA-CGA-O2A
14	F5	1301	CLA	CAA-CBA-CGA-O1A
14	A5	814	CLA	CBD-CGD-O2D-CED
14	A2	1623	CLA	C13-C15-C16-C17
14	B5	1840	CLA	C8-C10-C11-C12
14	B5	1812	CLA	CBA-CGA-O2A-C1
14	A3	820	CLA	CAA-CBA-CGA-O2A
14	A4	819	CLA	CAA-CBA-CGA-O2A
14	A6	1611	CLA	CAA-CBA-CGA-O2A
14	A5	801	CLA	CAA-CBA-CGA-O2A
17	A4	850	LHG	C25-C26-C27-C28
14	B1	829	CLA	CBD-CGD-O2D-CED
14	B1	817	CLA	O1D-CGD-O2D-CED
14	A1	810	CLA	C4-C3-C5-C6
14	A3	811	CLA	C4-C3-C5-C6
14	A6	1611	CLA	C4-C3-C5-C6

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>Atoms</b>
14	A5	811	CLA	C4-C3-C5-C6
14	B1	810	CLA	C2-C3-C5-C6
14	B1	815	CLA	C11-C12-C13-C15
14	B1	830	CLA	C2-C3-C5-C6
14	B1	841	CLA	C11-C10-C8-C7
14	A2	1607	CLA	C11-C12-C13-C15
14	B2	805	CLA	C12-C13-C15-C16
14	B2	807	CLA	C2-C3-C5-C6
14	B2	828	CLA	C2-C3-C5-C6
14	L2	207	CLA	C11-C10-C8-C7
14	B3	1810	CLA	C2-C3-C5-C6
14	B3	1811	CLA	C11-C10-C8-C7
14	B3	1816	CLA	C11-C12-C13-C15
14	B3	1831	CLA	C2-C3-C5-C6
14	A4	804	CLA	C11-C12-C13-C15
14	B4	808	CLA	C12-C13-C15-C16
14	B4	831	CLA	C2-C3-C5-C6
14	A6	1605	CLA	C11-C12-C13-C15
14	B6	808	CLA	C2-C3-C5-C6
14	B6	813	CLA	C6-C7-C8-C10
14	B6	841	CLA	C11-C10-C8-C7
14	B5	1810	CLA	C2-C3-C5-C6
14	B5	1831	CLA	C2-C3-C5-C6
14	B5	1843	CLA	C11-C10-C8-C7
14	B1	808	CLA	C16-C17-C18-C19
14	B2	805	CLA	C16-C17-C18-C19
14	B5	1808	CLA	C16-C17-C18-C19
17	A6	1650	LHG	O9-C7-O7-C5
14	A5	811	CLA	CAA-CBA-CGA-O2A
14	B5	1824	CLA	CAA-CBA-CGA-O2A
14	A6	1610	CLA	CAA-CBA-CGA-O2A
14	A1	819	CLA	C11-C10-C8-C9
14	L1	206	CLA	C14-C13-C15-C16
14	L2	206	CLA	C14-C13-C15-C16
14	A3	805	CLA	C11-C10-C8-C9
14	B3	1805	CLA	C11-C10-C8-C9
14	B3	1811	CLA	C6-C7-C8-C9
14	L3	204	CLA	C14-C13-C15-C16
14	A4	819	CLA	C11-C10-C8-C9
14	A4	838	CLA	C11-C10-C8-C9
14	L4	204	CLA	C14-C13-C15-C16
14	B6	805	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
14	L6	207	CLA	C14-C13-C15-C16
14	B5	1829	CLA	C11-C12-C13-C14
14	B5	1834	CLA	C11-C10-C8-C9
14	L5	205	CLA	C14-C13-C15-C16
17	A3	854	LHG	O8-C23-C24-C25
14	B1	802	CLA	C8-C10-C11-C12
14	A1	809	CLA	CAA-CBA-CGA-O2A
14	A6	1620	CLA	CAA-CBA-CGA-O2A
14	A5	807	CLA	CAA-CBA-CGA-O2A
17	A6	1650	LHG	O9-C7-C8-C9
14	B5	1812	CLA	O1A-CGA-O2A-C1
17	A6	1649	LHG	C8-C7-O7-C5
14	B1	813	CLA	CAA-CBA-CGA-O1A
14	A4	809	CLA	CAA-CBA-CGA-O2A
14	B1	828	CLA	C2A-CAA-CBA-CGA
14	A2	1626	CLA	C2A-CAA-CBA-CGA
14	B2	826	CLA	C2A-CAA-CBA-CGA
14	A3	831	CLA	C2A-CAA-CBA-CGA
14	B3	1819	CLA	C2A-CAA-CBA-CGA
14	B4	819	CLA	C2A-CAA-CBA-CGA
14	A6	1631	CLA	C2A-CAA-CBA-CGA
14	A5	831	CLA	C2A-CAA-CBA-CGA
17	A2	1654	LHG	O9-C7-C8-C9
17	A4	851	LHG	O9-C7-C8-C9
14	B1	814	CLA	CAA-CBA-CGA-O2A
14	A1	819	CLA	C8-C10-C11-C12
17	A4	850	LHG	C11-C12-C13-C14
14	B4	812	CLA	CBA-CGA-O2A-C1
14	B3	1834	CLA	CAA-CBA-CGA-O1A
14	B4	834	CLA	CAA-CBA-CGA-O1A
17	A1	849	LHG	O9-C7-C8-C9
14	B4	808	CLA	C16-C17-C18-C19
14	A1	825	CLA	C4-C3-C5-C6
14	A2	1628	CLA	C4-C3-C5-C6
14	A3	826	CLA	C4-C3-C5-C6
14	A4	825	CLA	C4-C3-C5-C6
14	A6	1626	CLA	C4-C3-C5-C6
14	A5	826	CLA	C4-C3-C5-C6
17	A1	848	LHG	C11-C12-C13-C14
14	B6	829	CLA	C2-C3-C5-C6
14	A2	1609	CLA	CAA-CBA-CGA-O2A
14	B2	812	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	B1	830	CLA	C10-C11-C12-C13
14	A5	810	CLA	CAA-CBA-CGA-O2A
14	B2	831	CLA	CAA-CBA-CGA-O1A
17	A5	852	LHG	O9-C7-C8-C9
14	A1	812	CLA	C1A-C2A-CAA-CBA
14	A1	822	CLA	C1A-C2A-CAA-CBA
14	A1	834	CLA	C1A-C2A-CAA-CBA
14	B1	824	CLA	C1A-C2A-CAA-CBA
14	B1	838	CLA	C1A-C2A-CAA-CBA
14	L1	207	CLA	C1A-C2A-CAA-CBA
14	A2	1615	CLA	C1A-C2A-CAA-CBA
14	A2	1625	CLA	C1A-C2A-CAA-CBA
14	A2	1638	CLA	C1A-C2A-CAA-CBA
14	B2	822	CLA	C1A-C2A-CAA-CBA
14	B2	836	CLA	C1A-C2A-CAA-CBA
14	L2	207	CLA	C1A-C2A-CAA-CBA
14	A3	813	CLA	C1A-C2A-CAA-CBA
14	A3	823	CLA	C1A-C2A-CAA-CBA
14	A3	837	CLA	C1A-C2A-CAA-CBA
14	B3	1825	CLA	C1A-C2A-CAA-CBA
14	B3	1839	CLA	C1A-C2A-CAA-CBA
14	L3	205	CLA	C1A-C2A-CAA-CBA
14	A4	812	CLA	C1A-C2A-CAA-CBA
14	A4	822	CLA	C1A-C2A-CAA-CBA
14	A4	835	CLA	C1A-C2A-CAA-CBA
14	A4	841	CLA	C1A-C2A-CAA-CBA
14	B4	825	CLA	C1A-C2A-CAA-CBA
14	B4	839	CLA	C1A-C2A-CAA-CBA
14	L4	205	CLA	C1A-C2A-CAA-CBA
14	A6	1613	CLA	C1A-C2A-CAA-CBA
14	A6	1623	CLA	C1A-C2A-CAA-CBA
14	A6	1636	CLA	C1A-C2A-CAA-CBA
14	B6	823	CLA	C1A-C2A-CAA-CBA
14	B6	837	CLA	C1A-C2A-CAA-CBA
14	L6	203	CLA	C1A-C2A-CAA-CBA
14	L6	208	CLA	C1A-C2A-CAA-CBA
14	A5	813	CLA	C1A-C2A-CAA-CBA
14	A5	823	CLA	C1A-C2A-CAA-CBA
14	A5	836	CLA	C1A-C2A-CAA-CBA
14	B5	1825	CLA	C1A-C2A-CAA-CBA
14	B5	1839	CLA	C1A-C2A-CAA-CBA
14	L5	206	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
17	A2	1653	LHG	C1-C2-C3-O3
17	A4	850	LHG	C1-C2-C3-O3
14	A1	824	CLA	CAA-CBA-CGA-O1A
17	A3	854	LHG	O9-C7-C8-C9
14	B6	812	CLA	CAA-CBA-CGA-O2A
17	A6	1649	LHG	C25-C26-C27-C28
14	A1	821	CLA	C2-C1-O2A-CGA
14	A1	825	CLA	C2-C1-O2A-CGA
14	A2	1602	CLA	C2-C1-O2A-CGA
14	A2	1628	CLA	C2-C1-O2A-CGA
14	B4	807	CLA	C2-C1-O2A-CGA
14	A6	1626	CLA	C2-C1-O2A-CGA
14	A6	1636	CLA	C2-C1-O2A-CGA
14	A5	826	CLA	C2-C1-O2A-CGA
14	B3	1801	CLA	CAA-CBA-CGA-O1A
14	B5	1834	CLA	CAA-CBA-CGA-O1A
14	A2	1612	CLA	CAA-CBA-CGA-O2A
14	B4	817	CLA	CAA-CBA-CGA-O2A
14	B6	815	CLA	CAA-CBA-CGA-O2A
14	A4	806	CLA	CAA-CBA-CGA-O2A
14	A3	821	CLA	C13-C15-C16-C17
14	A3	833	CLA	C15-C16-C17-C18
14	B1	817	CLA	C2A-CAA-CBA-CGA
14	A2	1614	CLA	C2A-CAA-CBA-CGA
14	A3	806	CLA	C2A-CAA-CBA-CGA
14	A3	812	CLA	C2A-CAA-CBA-CGA
14	A3	824	CLA	C2A-CAA-CBA-CGA
14	B3	1818	CLA	C2A-CAA-CBA-CGA
14	B4	818	CLA	C2A-CAA-CBA-CGA
14	B4	829	CLA	C2A-CAA-CBA-CGA
14	X4	102	CLA	C2A-CAA-CBA-CGA
14	A6	1612	CLA	C2A-CAA-CBA-CGA
14	B6	816	CLA	C2A-CAA-CBA-CGA
14	B6	817	CLA	C2A-CAA-CBA-CGA
14	A5	812	CLA	C2A-CAA-CBA-CGA
14	A5	824	CLA	C2A-CAA-CBA-CGA
14	X5	101	CLA	C2A-CAA-CBA-CGA
14	B1	833	CLA	CAA-CBA-CGA-O1A
14	A4	827	CLA	CAA-CBA-CGA-O1A
14	B6	832	CLA	CAA-CBA-CGA-O1A
14	A5	820	CLA	CAA-CBA-CGA-O1A
14	B4	840	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
14	B2	814	CLA	CAA-CBA-CGA-O2A
14	A3	824	CLA	C11-C12-C13-C14
14	A3	823	CLA	CAA-CBA-CGA-O2A
14	B4	815	CLA	CAA-CBA-CGA-O2A
14	A6	1607	CLA	CAA-CBA-CGA-O2A
14	B5	1815	CLA	CAA-CBA-CGA-O2A
14	A6	1632	CLA	C15-C16-C17-C18
14	A5	821	CLA	C13-C15-C16-C17
14	A1	803	CLA	CAA-CBA-CGA-O1A
14	B1	808	CLA	CAA-CBA-CGA-O1A
14	A2	1630	CLA	CAA-CBA-CGA-O1A
14	B3	1808	CLA	CAA-CBA-CGA-O1A
14	B4	808	CLA	CAA-CBA-CGA-O1A
14	A6	1604	CLA	CAA-CBA-CGA-O1A
14	A6	1611	CLA	CAA-CBA-CGA-O1A
14	A6	1625	CLA	CAA-CBA-CGA-O1A
14	A6	1628	CLA	CAA-CBA-CGA-O1A
14	A5	843	CLA	CAA-CBA-CGA-O1A
14	B4	810	CLA	C2-C3-C5-C6
14	B5	1839	CLA	O1D-CGD-O2D-CED
14	A3	815	CLA	CAA-CBA-CGA-O1A
14	A2	1635	CLA	C15-C16-C17-C18
14	A4	832	CLA	C15-C16-C17-C18
17	A1	848	LHG	C4-O6-P-O5
17	A1	849	LHG	C3-O3-P-O5
17	B1	851	LHG	C3-O3-P-O5
17	A2	1654	LHG	C3-O3-P-O5
17	B2	849	LHG	C3-O3-P-O5
17	A3	853	LHG	C4-O6-P-O5
17	A3	854	LHG	C3-O3-P-O5
17	X3	101	LHG	C3-O3-P-O5
17	A4	851	LHG	C3-O3-P-O5
17	A6	1649	LHG	C4-O6-P-O5
17	A6	1650	LHG	C3-O3-P-O5
17	A5	851	LHG	C4-O6-P-O4
17	A5	851	LHG	C4-O6-P-O5
17	A5	852	LHG	C3-O3-P-O5
17	X5	102	LHG	C4-O6-P-O5
14	B1	802	CLA	CAA-CBA-CGA-O1A
14	B1	853	CLA	CAA-CBA-CGA-O1A
14	A2	1627	CLA	CAA-CBA-CGA-O1A
14	B2	821	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
14	A3	804	CLA	CAA-CBA-CGA-O1A
14	A3	828	CLA	CAA-CBA-CGA-O1A
14	B3	1802	CLA	CAA-CBA-CGA-O1A
14	B3	1824	CLA	CAA-CBA-CGA-O1A
14	A4	803	CLA	CAA-CBA-CGA-O1A
14	B4	852	CLA	CAA-CBA-CGA-O1A
14	A6	1603	CLA	CAA-CBA-CGA-O1A
14	B6	822	CLA	CAA-CBA-CGA-O1A
14	A5	828	CLA	CAA-CBA-CGA-O1A
14	B5	1808	CLA	CAA-CBA-CGA-O1A
14	B5	1824	CLA	CAA-CBA-CGA-O1A
14	A3	812	CLA	CAA-CBA-CGA-O2A
14	B3	1815	CLA	CAA-CBA-CGA-O2A
14	I6	101	CLA	CAA-CBA-CGA-O2A
14	A6	1621	CLA	C13-C15-C16-C17
16	B1	849	BCR	C5-C6-C7-C8
16	A6	1652	BCR	C5-C6-C7-C8
14	A1	820	CLA	C13-C15-C16-C17
14	A4	838	CLA	C8-C10-C11-C12
14	B5	1829	CLA	C5-C6-C7-C8
14	A1	810	CLA	CAA-CBA-CGA-O1A
14	A1	827	CLA	CAA-CBA-CGA-O1A
14	A2	1604	CLA	CAA-CBA-CGA-O1A
14	A2	1613	CLA	CAA-CBA-CGA-O1A
14	A3	811	CLA	CAA-CBA-CGA-O1A
14	A3	825	CLA	CAA-CBA-CGA-O1A
14	A4	810	CLA	CAA-CBA-CGA-O1A
14	A4	819	CLA	CAA-CBA-CGA-O1A
14	A4	824	CLA	CAA-CBA-CGA-O1A
14	B4	802	CLA	CAA-CBA-CGA-O1A
14	B4	824	CLA	CAA-CBA-CGA-O1A
14	A5	825	CLA	CAA-CBA-CGA-O1A
14	B5	1801	CLA	CAA-CBA-CGA-O1A
14	B5	1802	CLA	CAA-CBA-CGA-O1A
14	A1	822	CLA	CAA-CBA-CGA-O2A
14	B1	841	CLA	CAA-CBA-CGA-O2A
14	A6	1612	CLA	CAA-CBA-CGA-O2A
14	A1	814	CLA	CAA-CBA-CGA-O2A
14	B3	1817	CLA	CAA-CBA-CGA-O1A
14	A1	823	CLA	C2A-CAA-CBA-CGA
14	B2	815	CLA	C2A-CAA-CBA-CGA
14	A1	819	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
14	A2	1606	CLA	CAA-CBA-CGA-O1A
14	A5	804	CLA	CAA-CBA-CGA-O1A
14	B1	815	CLA	CAA-CBA-CGA-O2A
14	B2	803	CLA	CAA-CBA-CGA-O2A
14	B6	813	CLA	CAA-CBA-CGA-O2A
14	B6	841	CLA	CAA-CBA-CGA-O2A
14	A2	1628	CLA	O1D-CGD-O2D-CED
14	A2	1603	CLA	C2-C3-C5-C6
14	A2	1615	CLA	C2-C3-C5-C6
14	A4	812	CLA	C2-C3-C5-C6
14	B4	801	CLA	C2-C3-C5-C6
14	B2	814	CLA	CAA-CBA-CGA-O1A
14	A6	1615	CLA	CAA-CBA-CGA-O2A
14	B6	815	CLA	CAA-CBA-CGA-O1A
14	B5	1814	CLA	CAA-CBA-CGA-O2A
14	A1	812	CLA	CAD-CBD-CGD-O1D
14	A1	823	CLA	CAD-CBD-CGD-O1D
14	B1	809	CLA	CAD-CBD-CGD-O1D
14	B1	827	CLA	CAD-CBD-CGD-O1D
14	B1	831	CLA	CAD-CBD-CGD-O1D
14	B1	838	CLA	CAD-CBD-CGD-O1D
14	L1	206	CLA	CAD-CBD-CGD-O1D
14	A2	1615	CLA	CAD-CBD-CGD-O1D
14	B2	808	CLA	CAD-CBD-CGD-O1D
14	B2	825	CLA	CAD-CBD-CGD-O1D
14	B2	829	CLA	CAD-CBD-CGD-O1D
14	B2	836	CLA	CAD-CBD-CGD-O1D
14	L2	206	CLA	CAD-CBD-CGD-O1D
14	A3	813	CLA	CAD-CBD-CGD-O1D
14	A3	827	CLA	CAD-CBD-CGD-O1D
14	B3	1809	CLA	CAD-CBD-CGD-O1D
14	B3	1811	CLA	CAD-CBD-CGD-O1D
14	B3	1818	CLA	CAD-CBD-CGD-O1D
14	B3	1828	CLA	CAD-CBD-CGD-O1D
14	B3	1832	CLA	CAD-CBD-CGD-O1D
14	B3	1839	CLA	CAD-CBD-CGD-O1D
14	A4	812	CLA	CAD-CBD-CGD-O1D
14	A4	822	CLA	C2-C3-C5-C6
14	B4	803	CLA	CAD-CBD-CGD-O1D
14	B4	820	CLA	CAD-CBD-CGD-O1D
14	B4	828	CLA	CAD-CBD-CGD-O1D
14	B4	832	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
14	B4	839	CLA	CAD-CBD-CGD-O1D
14	L4	204	CLA	CAD-CBD-CGD-O1D
14	A6	1613	CLA	CAD-CBD-CGD-O1D
14	A6	1623	CLA	C2-C3-C5-C6
14	B6	809	CLA	CAD-CBD-CGD-O1D
14	B6	826	CLA	CAD-CBD-CGD-O1D
14	B6	830	CLA	CAD-CBD-CGD-O1D
14	B6	837	CLA	CAD-CBD-CGD-O1D
14	I6	101	CLA	CAD-CBD-CGD-O1D
14	L6	207	CLA	CAD-CBD-CGD-O1D
14	A5	813	CLA	CAD-CBD-CGD-O1D
14	A5	830	CLA	CAD-CBD-CGD-O1D
14	B5	1803	CLA	CAD-CBD-CGD-O1D
14	B5	1809	CLA	CAD-CBD-CGD-O1D
14	B5	1811	CLA	CAD-CBD-CGD-O1D
14	B5	1818	CLA	CAD-CBD-CGD-O1D
14	B5	1828	CLA	CAD-CBD-CGD-O1D
14	B5	1830	CLA	CAD-CBD-CGD-O1D
14	B5	1832	CLA	CAD-CBD-CGD-O1D
14	B5	1839	CLA	CAD-CBD-CGD-O1D
14	B1	823	CLA	CAA-CBA-CGA-O1A
14	A2	1609	CLA	CAA-CBA-CGA-O1A
14	A2	1614	CLA	CAA-CBA-CGA-O2A
14	A2	1622	CLA	CAA-CBA-CGA-O2A
14	A4	811	CLA	CAA-CBA-CGA-O2A
14	A6	1623	CLA	CAA-CBA-CGA-O2A
14	A6	1620	CLA	C5-C6-C7-C8
14	A1	829	CLA	C6-C7-C8-C9
14	A1	835	CLA	C14-C13-C15-C16
14	B1	811	CLA	C6-C7-C8-C9
14	B1	815	CLA	C11-C10-C8-C9
14	A2	1622	CLA	C11-C10-C8-C9
14	A2	1639	CLA	C6-C7-C8-C9
14	A4	804	CLA	C11-C10-C8-C9
14	A4	836	CLA	C14-C13-C15-C16
14	B4	840	CLA	C11-C12-C13-C14
14	B6	808	CLA	C14-C13-C15-C16
14	B6	838	CLA	C11-C12-C13-C14
14	A5	820	CLA	C11-C10-C8-C9
14	B5	1840	CLA	C11-C12-C13-C14
19	B5	1851	LMG	C16-C17-C18-C19
14	B1	813	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	B2	811	CLA	CAA-CBA-CGA-O2A
14	B4	817	CLA	CAA-CBA-CGA-O1A
14	B4	812	CLA	O1A-CGA-O2A-C1
14	A1	806	CLA	CAA-CBA-CGA-O1A
14	A3	820	CLA	CAA-CBA-CGA-O1A
14	B6	807	CLA	CAA-CBA-CGA-O1A
19	B3	1850	LMG	C16-C17-C18-C19
14	A1	811	CLA	CAA-CBA-CGA-O2A
14	A6	1624	CLA	C11-C12-C13-C14
14	A1	814	CLA	CAA-CBA-CGA-O1A
14	B2	805	CLA	CAA-CBA-CGA-O1A
14	A4	806	CLA	CAA-CBA-CGA-O1A
14	A6	1620	CLA	CAA-CBA-CGA-O1A
14	A4	811	CLA	C2A-CAA-CBA-CGA
14	B2	813	CLA	CAA-CBA-CGA-O2A
14	A3	807	CLA	CAA-CBA-CGA-O2A
14	B3	1805	CLA	CAA-CBA-CGA-O2A
14	B3	1843	CLA	CAA-CBA-CGA-O2A
14	B4	816	CLA	CAA-CBA-CGA-O2A
14	A5	812	CLA	CAA-CBA-CGA-O2A
14	B5	1843	CLA	CAA-CBA-CGA-O2A
14	B3	1814	CLA	CAA-CBA-CGA-O1A
14	A5	807	CLA	CAA-CBA-CGA-O1A
14	A1	819	CLA	C4-C3-C5-C6
14	A5	820	CLA	C4-C3-C5-C6
14	A1	804	CLA	C11-C12-C13-C15
14	A1	823	CLA	C6-C7-C8-C10
14	B1	808	CLA	C12-C13-C15-C16
14	B2	808	CLA	C11-C10-C8-C7
14	B2	813	CLA	C11-C12-C13-C15
14	B2	840	CLA	C11-C12-C13-C15
14	A3	805	CLA	C11-C12-C13-C15
14	A3	813	CLA	C2-C3-C5-C6
14	B3	1808	CLA	C12-C13-C15-C16
14	B3	1840	CLA	C11-C12-C13-C15
14	B3	1843	CLA	C11-C10-C8-C7
14	A4	818	CLA	C11-C10-C8-C7
14	B4	816	CLA	C11-C12-C13-C15
14	B4	840	CLA	C11-C12-C13-C15
14	B4	843	CLA	C11-C10-C8-C7
14	B4	843	CLA	C11-C12-C13-C15
14	B6	807	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
14	B6	814	CLA	C11-C12-C13-C15
14	B6	838	CLA	C11-C12-C13-C15
14	A5	805	CLA	C11-C12-C13-C15
14	B5	1816	CLA	C11-C12-C13-C15
14	B5	1840	CLA	C11-C12-C13-C15
14	A2	1622	CLA	CAA-CBA-CGA-O1A
14	A5	811	CLA	CAA-CBA-CGA-O1A
14	B1	806	CLA	CAA-CBA-CGA-O2A
14	B2	840	CLA	CAA-CBA-CGA-O2A
14	A3	843	CLA	CAA-CBA-CGA-O2A
14	B3	1816	CLA	CAA-CBA-CGA-O2A
14	B4	805	CLA	CAA-CBA-CGA-O2A
14	B4	843	CLA	CAA-CBA-CGA-O2A
14	B6	805	CLA	CAA-CBA-CGA-O2A
14	L6	203	CLA	CAA-CBA-CGA-O2A
14	B5	1809	CLA	CAA-CBA-CGA-O2A
14	A6	1631	CLA	CBD-CGD-O2D-CED
14	A1	823	CLA	C11-C12-C13-C14
14	A3	820	CLA	C5-C6-C7-C8
14	A1	822	CLA	CAA-CBA-CGA-O1A
14	B1	814	CLA	CAA-CBA-CGA-O1A
14	B2	812	CLA	CAA-CBA-CGA-O1A
14	A6	1607	CLA	CAA-CBA-CGA-O1A
14	A4	814	CLA	CAA-CBA-CGA-O2A
14	A6	1615	CLA	CAA-CBA-CGA-O1A
14	A2	1625	CLA	CAA-CBA-CGA-O2A
14	A4	822	CLA	CAA-CBA-CGA-O2A
14	B4	809	CLA	CAA-CBA-CGA-O2A
14	A6	1602	CLA	CAA-CBA-CGA-O2A
14	B6	814	CLA	CAA-CBA-CGA-O2A
14	A5	823	CLA	CAA-CBA-CGA-O2A
14	B5	1816	CLA	CAA-CBA-CGA-O2A
14	A3	807	CLA	CAA-CBA-CGA-O1A
14	A3	845	CLA	CAA-CBA-CGA-O1A
14	B3	1814	CLA	CAA-CBA-CGA-O2A
14	A4	814	CLA	CAA-CBA-CGA-O1A
14	B4	814	CLA	CAA-CBA-CGA-O1A
14	A2	1626	CLA	C11-C12-C13-C14
14	A1	819	CLA	C5-C6-C7-C8
14	B2	837	CLA	C5-C6-C7-C8
14	A4	823	CLA	C11-C12-C13-C14
14	B1	809	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	A2	1644	CLA	CAA-CBA-CGA-O2A
14	B2	806	CLA	CAA-CBA-CGA-O2A
14	A3	801	CLA	CAA-CBA-CGA-O2A
14	B3	1809	CLA	CAA-CBA-CGA-O2A
14	A4	841	CLA	CAA-CBA-CGA-O2A
19	B2	848	LMG	C16-C17-C18-C19
19	B6	848	LMG	C16-C17-C18-C19
14	A3	823	CLA	CAA-CBA-CGA-O1A
14	A6	1623	CLA	CAA-CBA-CGA-O1A
14	A4	823	CLA	C2A-CAA-CBA-CGA
14	A6	1624	CLA	C2A-CAA-CBA-CGA
14	A1	824	CLA	C8-C10-C11-C12
14	B1	803	CLA	C8-C10-C11-C12
14	A4	819	CLA	C5-C6-C7-C8
14	A4	819	CLA	C2C-C3C-CAC-CBC
14	B4	815	CLA	CAA-CBA-CGA-O1A
14	B5	1815	CLA	CAA-CBA-CGA-O1A
19	B1	850	LMG	C16-C17-C18-C19
19	B4	851	LMG	C16-C17-C18-C19
14	A5	842	CLA	CAA-CBA-CGA-O2A
14	B5	1805	CLA	CAA-CBA-CGA-O2A
14	A2	1617	CLA	CAA-CBA-CGA-O1A

There are no ring outliers.

743 monomers are involved in 3480 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
16	L5	207	BCR	5	0
14	B4	806	CLA	3	0
14	B4	842	CLA	5	0
16	A6	1647	BCR	4	0
14	A3	830	CLA	7	0
14	B3	1843	CLA	5	0
14	L5	202	CLA	5	0
18	A2	1655	SF4	4	0
14	A3	834	CLA	13	0
14	A3	808	CLA	7	0
16	J2	102	BCR	4	0
14	A1	827	CLA	10	0
14	A1	802	CLA	2	0
14	L5	205	CLA	8	0
19	B1	850	LMG	8	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
16	I6	102	BCR	3	0
14	A6	1627	CLA	2	0
14	A6	1615	CLA	3	0
14	B3	1821	CLA	6	0
14	B5	1821	CLA	5	0
14	F3	202	CLA	3	0
14	J5	101	CLA	6	0
14	A6	1601	CLA	9	0
14	B4	811	CLA	7	0
18	C5	102	SF4	6	0
14	B5	1837	CLA	2	0
14	A5	840	CLA	3	0
14	B4	823	CLA	2	0
14	A1	838	CLA	3	0
14	B5	1841	CLA	4	0
16	A3	850	BCR	2	0
14	A4	837	CLA	5	0
14	A3	807	CLA	2	0
14	I6	101	CLA	2	0
14	B1	822	CLA	8	0
14	A5	821	CLA	6	0
14	A2	1626	CLA	1	0
14	A2	1641	CLA	2	0
16	B5	1848	BCR	3	0
16	J5	105	BCR	4	0
16	L5	201	BCR	6	0
14	A4	831	CLA	5	0
14	A5	817	CLA	1	0
14	B4	805	CLA	13	0
14	B2	839	CLA	3	0
16	A6	1648	BCR	16	0
14	A2	1625	CLA	2	0
14	A5	803	CLA	1	0
14	X2	1701	CLA	6	0
16	A3	848	BCR	2	0
17	A1	849	LHG	3	0
14	B6	839	CLA	5	0
14	A4	835	CLA	4	0
14	A3	836	CLA	1	0
16	I5	102	BCR	2	0
14	A2	1632	CLA	5	0
14	B1	808	CLA	9	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B1	831	CLA	5	0
14	A4	808	CLA	2	0
14	A4	834	CLA	2	0
14	B5	1831	CLA	5	0
14	A2	1631	CLA	8	0
14	M2	1201	CLA	1	0
18	C6	102	SF4	4	0
14	B6	825	CLA	8	0
14	B2	821	CLA	7	0
14	A1	806	CLA	2	0
16	A5	846	BCR	2	0
16	I2	101	BCR	5	0
14	L6	208	CLA	15	0
16	A2	1651	BCR	3	0
14	B3	1803	CLA	14	0
17	B1	851	LHG	2	0
14	J1	102	CLA	5	0
14	A1	835	CLA	4	0
14	B2	823	CLA	17	0
15	A2	1646	PQN	3	0
17	X3	101	LHG	6	0
16	A5	845	BCR	4	0
14	B5	1823	CLA	2	0
14	A1	834	CLA	4	0
14	L4	204	CLA	8	0
14	B6	802	CLA	10	0
16	J2	103	BCR	6	0
14	X1	1701	CLA	2	0
16	J3	104	BCR	2	0
14	B1	825	CLA	18	0
15	A4	843	PQN	2	0
14	B1	807	CLA	24	0
14	B6	831	CLA	2	0
16	I1	103	BCR	9	0
16	A4	849	BCR	14	0
14	A6	1608	CLA	7	0
14	B2	801	CLA	13	0
16	B2	846	BCR	4	0
16	B6	845	BCR	4	0
14	A1	817	CLA	9	0
14	B1	840	CLA	5	0
14	A4	840	CLA	5	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B6	840	CLA	3	0
14	A4	823	CLA	1	0
14	A5	837	CLA	4	0
16	B4	846	BCR	6	0
18	A3	855	SF4	8	0
14	A4	802	CLA	1	0
19	B3	1850	LMG	8	0
17	A3	853	LHG	2	0
14	A6	1630	CLA	9	0
14	A4	816	CLA	1	0
14	A2	1608	CLA	4	0
14	A1	830	CLA	5	0
14	A2	1603	CLA	4	0
14	B2	822	CLA	3	0
14	B6	821	CLA	4	0
16	B6	847	BCR	4	0
14	A5	829	CLA	4	0
16	F2	203	BCR	2	0
14	L1	207	CLA	6	0
14	A6	1633	CLA	9	0
14	A5	831	CLA	4	0
14	A1	815	CLA	1	0
14	A2	1610	CLA	6	0
14	L2	207	CLA	8	0
16	F3	201	BCR	2	0
14	M1	1201	CLA	3	0
16	A5	849	BCR	3	0
14	B4	817	CLA	4	0
17	A2	1653	LHG	2	0
14	A5	838	CLA	5	0
14	A6	1604	CLA	2	0
14	B2	802	CLA	10	0
14	B2	825	CLA	7	0
14	B2	837	CLA	7	0
14	A5	842	CLA	5	0
16	A4	847	BCR	3	0
16	B6	844	BCR	3	0
14	B1	810	CLA	3	0
14	F1	1301	CLA	1	0
16	B2	844	BCR	3	0
16	J6	1104	BCR	6	0
14	B6	816	CLA	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B5	1815	CLA	12	0
14	A4	805	CLA	4	0
14	B5	1835	CLA	9	0
14	B3	1830	CLA	13	0
14	B5	1830	CLA	14	0
14	B3	1814	CLA	2	0
14	B6	835	CLA	3	0
14	A6	1616	CLA	1	0
16	B2	845	BCR	2	0
14	B4	818	CLA	8	0
16	L4	206	BCR	5	0
16	B4	847	BCR	3	0
14	B2	809	CLA	10	0
14	A6	1651	CLA	8	0
14	B5	1805	CLA	8	0
17	A6	1649	LHG	3	0
14	A3	804	CLA	3	0
14	A1	807	CLA	5	0
14	A5	823	CLA	1	0
14	B5	1804	CLA	14	0
16	J1	104	BCR	10	0
14	A3	818	CLA	8	0
14	B1	818	CLA	33	0
14	A4	806	CLA	5	0
14	J2	101	CLA	6	0
16	B2	847	BCR	2	0
16	M4	101	BCR	6	0
14	L4	201	CLA	11	0
14	K5	101	CLA	1	0
14	B5	1822	CLA	2	0
14	A6	1625	CLA	12	0
14	A6	1641	CLA	2	0
14	A3	814	CLA	5	0
14	B2	819	CLA	3	0
14	B1	834	CLA	17	0
14	A2	1622	CLA	2	0
14	A2	1636	CLA	4	0
16	L2	208	BCR	3	0
16	J6	1105	BCR	8	0
14	F4	202	CLA	7	0
14	A3	833	CLA	1	0
14	B1	805	CLA	19	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B6	830	CLA	6	0
14	A4	833	CLA	4	0
14	B6	827	CLA	5	0
14	A2	1643	CLA	4	0
14	B5	1825	CLA	3	0
16	F2	201	BCR	3	0
14	A5	835	CLA	2	0
14	A1	801	CLA	10	0
14	B2	831	CLA	5	0
14	B6	823	CLA	3	0
16	F5	1302	BCR	2	0
14	A5	812	CLA	1	0
14	A5	828	CLA	15	0
14	B3	1806	CLA	5	0
16	B4	845	BCR	6	0
16	I4	102	BCR	11	0
14	A5	810	CLA	1	0
14	A4	824	CLA	7	0
16	B5	1849	BCR	5	0
14	A3	825	CLA	10	0
16	M5	101	BCR	3	0
14	A5	805	CLA	13	0
14	B6	838	CLA	4	0
14	A6	1610	CLA	2	0
17	A6	1650	LHG	2	0
14	B4	835	CLA	7	0
14	A1	820	CLA	6	0
18	C4	102	SF4	3	0
14	B1	824	CLA	7	0
14	B2	803	CLA	4	0
14	B5	1818	CLA	5	0
14	A6	1606	CLA	4	0
14	A3	816	CLA	2	0
14	A3	827	CLA	3	0
14	B2	812	CLA	8	0
14	B5	1827	CLA	5	0
14	A5	830	CLA	10	0
14	A3	811	CLA	9	0
14	B1	811	CLA	13	0
14	A4	811	CLA	1	0
14	B5	1812	CLA	11	0
14	B2	813	CLA	5	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
16	A3	856	BCR	2	0
16	L6	204	BCR	1	0
16	L3	206	BCR	5	0
14	B3	1842	CLA	10	0
14	B3	1813	CLA	6	0
16	L6	209	BCR	4	0
14	B4	807	CLA	6	0
14	B4	843	CLA	2	0
15	B6	842	PQN	1	0
16	I3	101	BCR	3	0
14	B2	815	CLA	7	0
14	A4	810	CLA	6	0
14	A6	1603	CLA	11	0
14	A6	1612	CLA	1	0
14	B6	818	CLA	7	0
14	A2	1634	CLA	5	0
14	B3	1823	CLA	2	0
16	A2	1652	BCR	10	0
14	X6	1701	CLA	1	0
15	A5	844	PQN	2	0
18	C5	101	SF4	7	0
14	A6	1631	CLA	3	0
14	A2	1619	CLA	3	0
14	A3	817	CLA	3	0
14	A2	1604	CLA	9	0
14	A5	801	CLA	12	0
14	B4	815	CLA	15	0
14	B5	1819	CLA	10	0
14	A2	1607	CLA	8	0
14	A5	807	CLA	2	0
14	A4	836	CLA	4	0
14	B5	1839	CLA	12	0
16	B4	850	BCR	1	0
14	A2	1623	CLA	12	0
15	A1	841	PQN	3	0
18	C2	101	SF4	7	0
16	F1	1302	BCR	2	0
16	I4	101	BCR	1	0
14	L1	202	CLA	4	0
16	B4	848	BCR	5	0
14	A5	808	CLA	5	0
14	L2	202	CLA	6	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B1	821	CLA	3	0
14	B4	852	CLA	10	0
14	B2	808	CLA	13	0
16	B3	1846	BCR	4	0
16	B5	1846	BCR	3	0
14	B3	1831	CLA	7	0
16	F4	201	BCR	9	0
16	B1	843	BCR	1	0
16	J5	104	BCR	13	0
14	B2	820	CLA	2	0
14	B3	1822	CLA	4	0
17	X4	101	LHG	1	0
14	A1	828	CLA	4	0
14	L3	203	CLA	13	0
14	A3	839	CLA	6	0
14	B4	829	CLA	10	0
14	F6	202	CLA	14	0
14	B2	836	CLA	4	0
14	B4	820	CLA	11	0
14	A1	805	CLA	4	0
14	B1	803	CLA	7	0
14	L4	203	CLA	11	0
16	A5	850	BCR	12	0
14	B5	1838	CLA	2	0
14	A3	821	CLA	8	0
14	B3	1825	CLA	3	0
14	B5	1817	CLA	2	0
19	B5	1851	LMG	9	0
14	A4	822	CLA	2	0
16	B1	846	BCR	4	0
16	B6	843	BCR	1	0
14	B4	808	CLA	8	0
14	A6	1636	CLA	3	0
14	B4	837	CLA	7	0
14	B5	1811	CLA	4	0
16	B5	1845	BCR	2	0
14	A1	818	CLA	6	0
14	B4	819	CLA	8	0
14	A4	809	CLA	1	0
14	A1	824	CLA	5	0
14	A4	839	CLA	1	0
14	B5	1802	CLA	11	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B4	826	CLA	17	0
14	A4	815	CLA	2	0
14	A1	832	CLA	4	0
14	A1	816	CLA	3	0
16	B3	1847	BCR	4	0
16	B5	1847	BCR	4	0
16	A5	853	BCR	1	0
14	B5	1826	CLA	11	0
16	A6	1652	BCR	1	0
14	A1	833	CLA	2	0
14	L5	204	CLA	11	0
16	M2	1202	BCR	2	0
14	B6	807	CLA	6	0
14	A4	819	CLA	3	0
14	B2	826	CLA	7	0
14	B3	1809	CLA	8	0
14	A4	828	CLA	2	0
17	A4	851	LHG	3	0
14	B1	837	CLA	6	0
17	B6	849	LHG	2	0
14	B3	1812	CLA	9	0
16	B6	846	BCR	1	0
14	A3	822	CLA	4	0
14	B3	1801	CLA	11	0
14	B5	1806	CLA	2	0
14	A4	825	CLA	5	0
16	F6	201	BCR	2	0
16	B1	849	BCR	1	0
14	B5	1836	CLA	2	0
16	J4	104	BCR	9	0
16	L1	203	BCR	3	0
14	A4	807	CLA	6	0
16	A6	1644	BCR	1	0
14	J4	102	CLA	4	0
14	A6	1634	CLA	3	0
16	B2	842	BCR	4	0
14	A3	837	CLA	5	0
16	B3	1849	BCR	5	0
14	B1	815	CLA	14	0
14	B4	841	CLA	5	0
16	B5	1850	BCR	1	0
14	A3	843	CLA	10	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	A2	1639	CLA	5	0
14	B3	1807	CLA	12	0
14	B5	1807	CLA	5	0
14	A1	808	CLA	2	0
16	A3	849	BCR	2	0
14	A6	1629	CLA	2	0
16	A4	844	BCR	1	0
14	B4	813	CLA	1	0
16	A2	1650	BCR	3	0
14	A1	811	CLA	2	0
14	B1	828	CLA	8	0
14	B6	829	CLA	6	0
14	A3	842	CLA	6	0
14	A5	804	CLA	4	0
14	A2	1606	CLA	3	0
14	L4	205	CLA	9	0
14	A2	1630	CLA	11	0
14	A5	818	CLA	8	0
14	B2	804	CLA	8	0
14	A4	812	CLA	1	0
14	A6	1619	CLA	3	0
14	B5	1801	CLA	20	0
15	B1	842	PQN	5	0
14	B3	1827	CLA	6	0
16	I5	101	BCR	3	0
14	A5	814	CLA	4	0
14	K1	1401	CLA	4	0
16	A6	1643	BCR	2	0
14	K6	1401	CLA	2	0
14	B2	814	CLA	4	0
16	A5	847	BCR	1	0
14	A3	841	CLA	2	0
14	B6	833	CLA	7	0
14	J6	1102	CLA	3	0
14	A1	829	CLA	9	0
14	B5	1828	CLA	5	0
14	B6	824	CLA	16	0
14	A3	845	CLA	4	0
18	A5	854	SF4	5	0
14	B4	828	CLA	5	0
14	B4	809	CLA	6	0
14	F5	1301	CLA	4	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
16	J3	103	BCR	4	0
14	F2	202	CLA	4	0
14	A3	823	CLA	1	0
14	A5	820	CLA	2	0
14	B3	1810	CLA	6	0
16	B3	1845	BCR	6	0
14	B3	1811	CLA	3	0
14	A5	802	CLA	5	0
14	A5	825	CLA	4	0
14	B1	832	CLA	6	0
14	A3	831	CLA	3	0
14	B1	817	CLA	32	0
18	C6	101	SF4	4	0
14	A6	1609	CLA	2	0
14	B6	803	CLA	6	0
14	A3	809	CLA	3	0
14	B6	832	CLA	7	0
14	L3	205	CLA	9	0
14	B1	835	CLA	3	0
14	B5	1842	CLA	4	0
14	A1	826	CLA	3	0
14	A4	838	CLA	3	0
14	L1	201	CLA	4	0
14	A2	1611	CLA	4	0
18	C2	102	SF4	6	0
14	B3	1802	CLA	14	0
14	A2	1620	CLA	6	0
14	B3	1833	CLA	2	0
14	B3	1832	CLA	5	0
14	B3	1826	CLA	15	0
14	B5	1832	CLA	7	0
14	A5	816	CLA	1	0
17	B2	849	LHG	2	0
14	A3	810	CLA	1	0
14	B3	1840	CLA	3	0
18	A4	852	SF4	4	0
14	A5	833	CLA	1	0
14	A3	805	CLA	11	0
14	A6	1623	CLA	2	0
14	A5	836	CLA	2	0
14	A4	813	CLA	5	0
16	A1	843	BCR	5	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
16	B3	1848	BCR	3	0
14	X4	102	CLA	16	0
14	X3	102	CLA	1	0
14	B2	818	CLA	6	0
14	B6	804	CLA	14	0
14	B2	832	CLA	12	0
14	A4	841	CLA	7	0
14	A2	1629	CLA	3	0
14	B5	1833	CLA	2	0
14	B3	1835	CLA	7	0
14	B2	835	CLA	3	0
14	B4	833	CLA	2	0
14	B4	832	CLA	7	0
14	A6	1620	CLA	2	0
14	A2	1617	CLA	1	0
14	F2	204	CLA	9	0
14	A2	1613	CLA	6	0
14	B1	830	CLA	6	0
16	L2	203	BCR	2	0
17	A3	854	LHG	3	0
16	L3	201	BCR	4	0
14	A4	814	CLA	2	0
16	B6	850	BCR	4	0
14	B6	814	CLA	3	0
14	A4	842	CLA	2	0
14	A2	1602	CLA	10	0
14	A6	1622	CLA	3	0
16	A6	1645	BCR	2	0
16	A1	845	BCR	2	0
14	B2	805	CLA	7	0
14	A1	831	CLA	1	0
16	L4	208	BCR	8	0
14	A1	809	CLA	2	0
14	B6	819	CLA	8	0
14	A5	806	CLA	5	0
14	B1	853	CLA	8	0
14	A6	1626	CLA	4	0
14	L5	206	CLA	7	0
14	L1	205	CLA	8	0
14	K4	1401	CLA	3	0
16	L2	201	BCR	5	0
14	B6	826	CLA	6	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	A2	1601	CLA	6	0
15	A6	1642	PQN	4	0
14	M3	1601	CLA	11	0
16	A1	847	BCR	19	0
14	L2	205	CLA	3	0
14	A2	1609	CLA	4	0
14	B2	827	CLA	14	0
14	B1	820	CLA	13	0
14	A2	1638	CLA	2	0
14	B4	804	CLA	12	0
14	B3	1816	CLA	15	0
14	A5	834	CLA	4	0
14	B5	1816	CLA	4	0
18	C3	102	SF4	4	0
14	A6	1607	CLA	2	0
14	B6	820	CLA	2	0
16	M6	1202	BCR	2	0
14	A3	832	CLA	3	0
14	B1	841	CLA	2	0
14	B4	834	CLA	5	0
14	A1	819	CLA	1	0
14	B5	1834	CLA	3	0
14	B6	809	CLA	8	0
14	B4	814	CLA	1	0
14	A1	825	CLA	8	0
14	A1	837	CLA	2	0
14	B1	823	CLA	6	0
14	A2	1621	CLA	5	0
16	I3	102	BCR	4	0
14	B3	1836	CLA	7	0
19	B6	848	LMG	10	0
16	A1	844	BCR	2	0
14	A1	804	CLA	15	0
14	B4	810	CLA	8	0
14	B6	836	CLA	3	0
16	A2	1648	BCR	2	0
16	F3	203	BCR	1	0
14	B2	817	CLA	3	0
14	A1	840	CLA	3	0
16	A4	845	BCR	2	0
19	B4	851	LMG	8	0
14	B1	801	CLA	13	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B2	807	CLA	4	0
14	A4	801	CLA	12	0
14	B3	1839	CLA	17	0
14	A5	826	CLA	5	0
14	A5	815	CLA	2	0
14	B2	830	CLA	4	0
14	B4	802	CLA	12	0
14	B4	825	CLA	3	0
14	B3	1838	CLA	10	0
14	A4	821	CLA	3	0
14	B4	821	CLA	7	0
16	M1	1202	BCR	2	0
14	A2	1628	CLA	4	0
14	X5	101	CLA	2	0
14	A5	811	CLA	4	0
14	A1	812	CLA	3	0
14	B2	806	CLA	9	0
14	A2	1637	CLA	2	0
14	A1	810	CLA	8	0
14	B6	806	CLA	9	0
14	A3	803	CLA	2	0
14	B4	836	CLA	5	0
14	B2	810	CLA	5	0
14	A3	829	CLA	4	0
14	L6	206	CLA	11	0
14	B2	834	CLA	2	0
14	A2	1642	CLA	2	0
14	A6	1611	CLA	4	0
14	L3	202	CLA	4	0
16	B2	850	BCR	2	0
14	A5	822	CLA	3	0
16	B1	845	BCR	7	0
14	B6	837	CLA	11	0
19	B2	848	LMG	6	0
14	B3	1834	CLA	4	0
14	A3	840	CLA	2	0
14	A2	1635	CLA	1	0
14	L6	203	CLA	11	0
16	B2	843	BCR	3	0
16	A4	846	BCR	1	0
16	A5	848	BCR	2	0
14	A5	819	CLA	5	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
16	F4	204	BCR	5	0
14	B1	814	CLA	14	0
14	B5	1824	CLA	1	0
14	B6	813	CLA	8	0
14	J6	1101	CLA	4	0
16	A3	847	BCR	3	0
16	A2	1647	BCR	2	0
14	B2	829	CLA	5	0
14	A2	1633	CLA	8	0
14	B4	822	CLA	2	0
16	J1	103	BCR	3	0
14	A2	1624	CLA	3	0
16	F4	203	BCR	1	0
14	A5	843	CLA	7	0
14	A6	1617	CLA	3	0
18	C1	101	SF4	5	0
14	A2	1612	CLA	2	0
14	A6	1613	CLA	4	0
14	A6	1635	CLA	2	0
14	B3	1837	CLA	7	0
14	B3	1805	CLA	9	0
14	A6	1602	CLA	13	0
14	B3	1815	CLA	12	0
14	B6	808	CLA	4	0
15	B3	1844	PQN	3	0
17	A5	851	LHG	1	0
14	B1	802	CLA	16	0
14	A6	1632	CLA	1	0
17	A1	848	LHG	3	0
14	B6	815	CLA	2	0
14	A4	820	CLA	9	0
14	B1	816	CLA	3	0
14	A1	813	CLA	5	0
16	B1	844	BCR	3	0
14	L1	206	CLA	5	0
14	A2	1616	CLA	5	0
14	B1	804	CLA	27	0
14	A3	838	CLA	4	0
18	C3	101	SF4	8	0
14	B3	1804	CLA	12	0
16	A2	1649	BCR	1	0
14	I1	101	CLA	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	A2	1605	CLA	1	0
14	A6	1638	CLA	4	0
18	B6	801	SF4	7	0
14	A2	1640	CLA	2	0
14	B6	805	CLA	4	0
17	A2	1654	LHG	3	0
15	A3	846	PQN	2	0
14	B2	840	CLA	1	0
16	L6	201	BCR	4	0
16	B1	847	BCR	6	0
14	L6	207	CLA	8	0
14	B5	1840	CLA	2	0
14	B5	1803	CLA	23	0
14	B4	830	CLA	8	0
14	A3	828	CLA	11	0
14	B6	822	CLA	6	0
14	A3	824	CLA	1	0
14	A2	1614	CLA	1	0
14	B2	838	CLA	7	0
14	L3	204	CLA	7	0
14	A6	1621	CLA	9	0
14	L6	202	CLA	6	0
14	B1	819	CLA	12	0
14	B4	816	CLA	17	0
16	A4	848	BCR	3	0
14	A1	839	CLA	8	0
14	A5	809	CLA	3	0
14	A4	804	CLA	8	0
14	A2	1627	CLA	9	0
14	B4	831	CLA	7	0
14	A4	827	CLA	11	0
16	A6	1646	BCR	3	0
14	B1	829	CLA	14	0
16	B4	849	BCR	2	0
14	B4	839	CLA	7	0
14	A3	826	CLA	4	0
14	B4	840	CLA	2	0
14	K2	1401	CLA	3	0
14	B3	1841	CLA	5	0
14	B5	1808	CLA	5	0
14	A6	1640	CLA	8	0
14	A5	841	CLA	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
15	B5	1844	PQN	2	0
14	A1	836	CLA	4	0
14	A3	802	CLA	5	0
14	B2	828	CLA	6	0
14	A4	829	CLA	9	0
14	A6	1614	CLA	5	0
16	J4	103	BCR	4	0
14	B1	838	CLA	13	0
14	A4	818	CLA	3	0
14	B3	1818	CLA	6	0
16	M3	1602	BCR	9	0
14	B6	828	CLA	11	0
18	A1	850	SF4	6	0
14	B4	803	CLA	10	0
14	A6	1637	CLA	4	0
14	L5	203	CLA	11	0
14	B4	812	CLA	12	0
14	B1	833	CLA	7	0
14	A5	827	CLA	5	0
14	B5	1810	CLA	4	0
14	A4	832	CLA	1	0
14	A4	803	CLA	4	0
17	A4	850	LHG	4	0
14	B4	827	CLA	3	0
14	A2	1618	CLA	3	0
16	B1	852	BCR	5	0
14	L2	206	CLA	7	0
14	B5	1809	CLA	3	0
18	C4	101	SF4	4	0
14	B5	1843	CLA	6	0
14	A1	821	CLA	3	0
14	A3	801	CLA	10	0
14	J3	101	CLA	6	0
15	B2	841	PQN	1	0
14	A1	803	CLA	4	0
14	B3	1817	CLA	9	0
14	B1	854	CLA	21	0
16	J5	103	BCR	5	0
14	A1	822	CLA	2	0
16	I1	102	BCR	3	0
14	A3	819	CLA	8	0
14	B2	816	CLA	14	0

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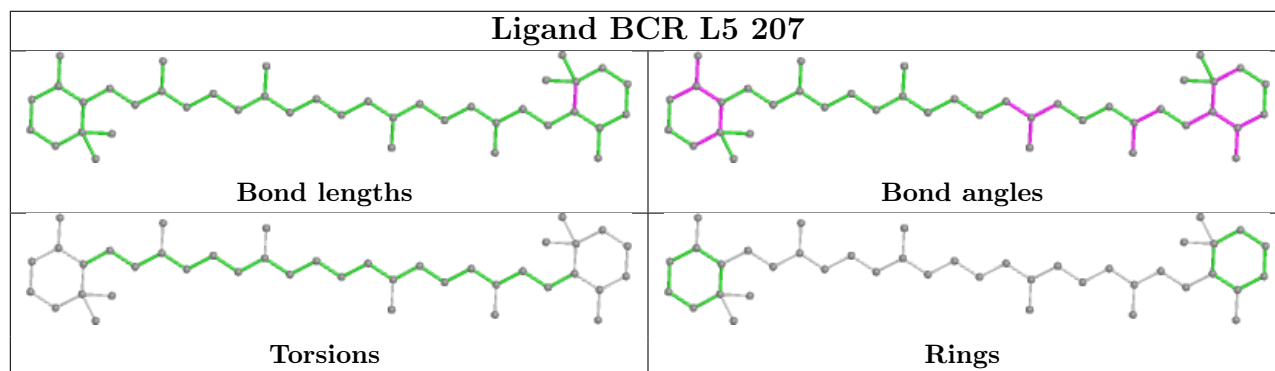
Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	J1	101	CLA	7	0
14	A2	1644	CLA	9	0
14	A4	826	CLA	3	0
14	J5	102	CLA	3	0
14	A3	844	CLA	2	0
14	B3	1808	CLA	7	0
14	B3	1819	CLA	8	0
15	B4	844	PQN	7	0
14	B4	801	CLA	5	0
14	A3	820	CLA	2	0
14	B6	817	CLA	9	0
14	A6	1624	CLA	1	0
18	C1	102	SF4	7	0
14	B1	827	CLA	8	0
14	A1	814	CLA	3	0
14	A3	806	CLA	4	0
14	B6	810	CLA	11	0
14	B1	806	CLA	11	0
14	A5	813	CLA	2	0
14	B1	809	CLA	8	0
14	A6	1628	CLA	11	0
14	A4	830	CLA	4	0
14	B1	839	CLA	5	0
14	B6	811	CLA	3	0
14	A6	1618	CLA	4	0
14	A3	835	CLA	3	0
16	A1	846	BCR	3	0
14	B3	1820	CLA	10	0
14	B5	1820	CLA	4	0
14	B3	1828	CLA	4	0
14	A3	815	CLA	1	0
14	B6	841	CLA	2	0
14	B3	1829	CLA	5	0
14	B5	1829	CLA	9	0
16	A1	842	BCR	3	0
16	F6	203	BCR	1	0
14	A4	817	CLA	5	0
14	A6	1639	CLA	1	0
14	A2	1615	CLA	7	0
14	B2	824	CLA	7	0
14	A4	853	CLA	8	0
14	A5	839	CLA	2	0

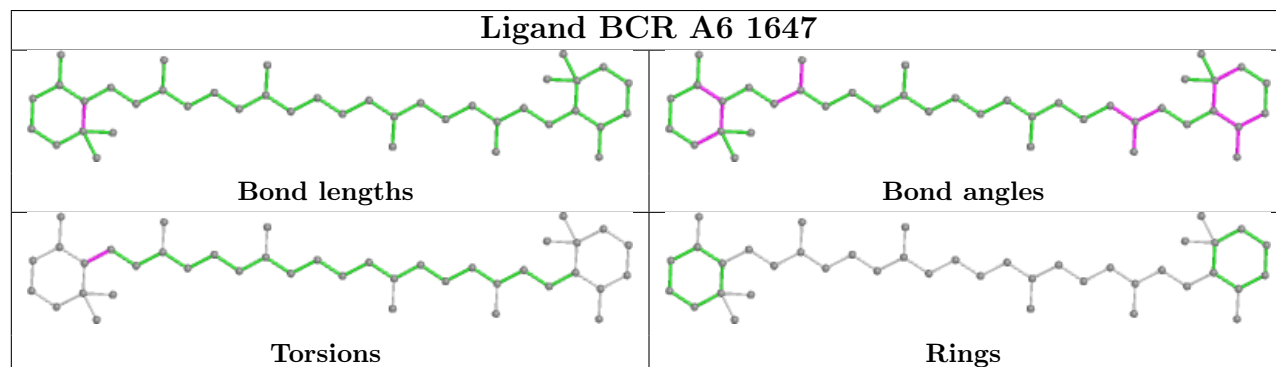
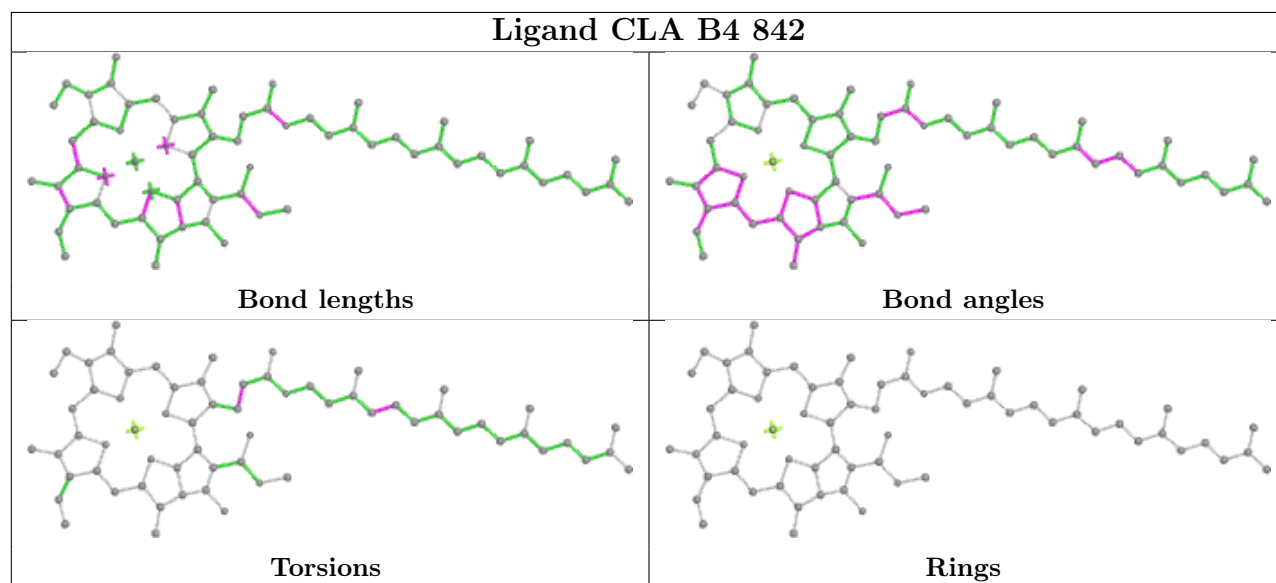
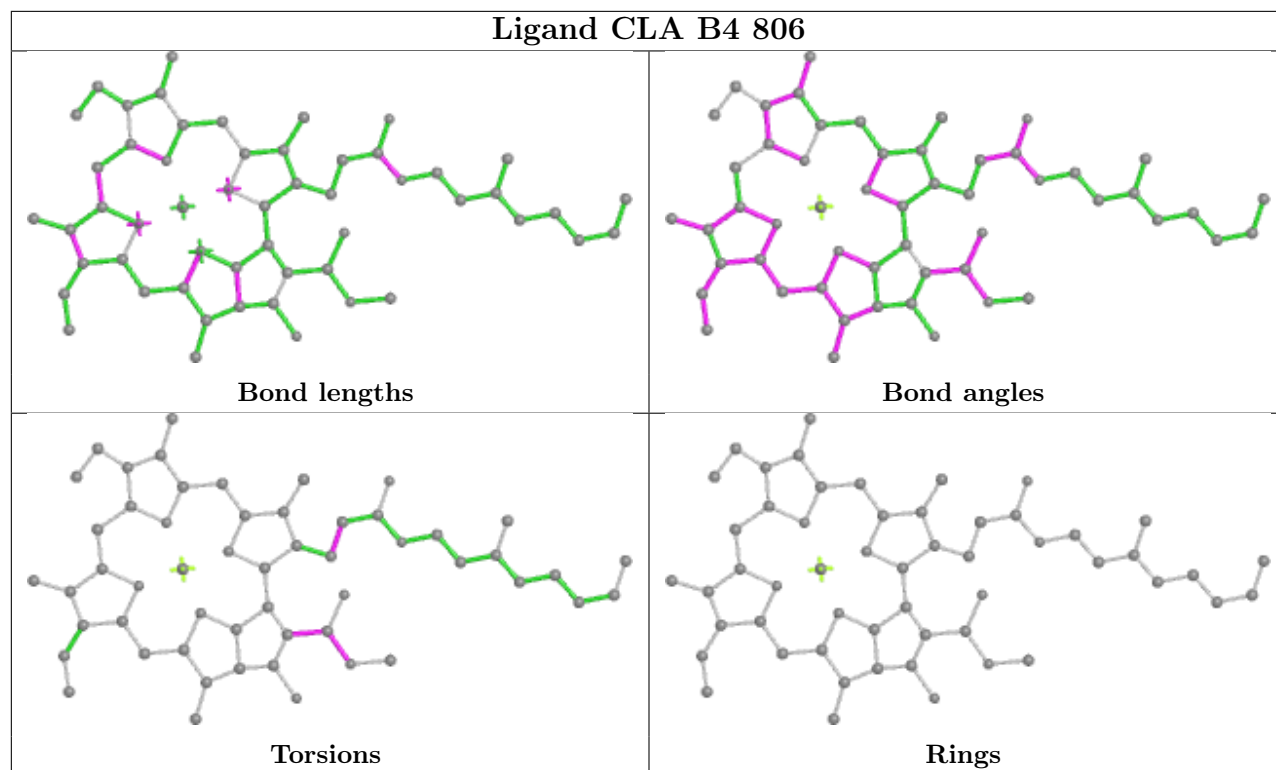
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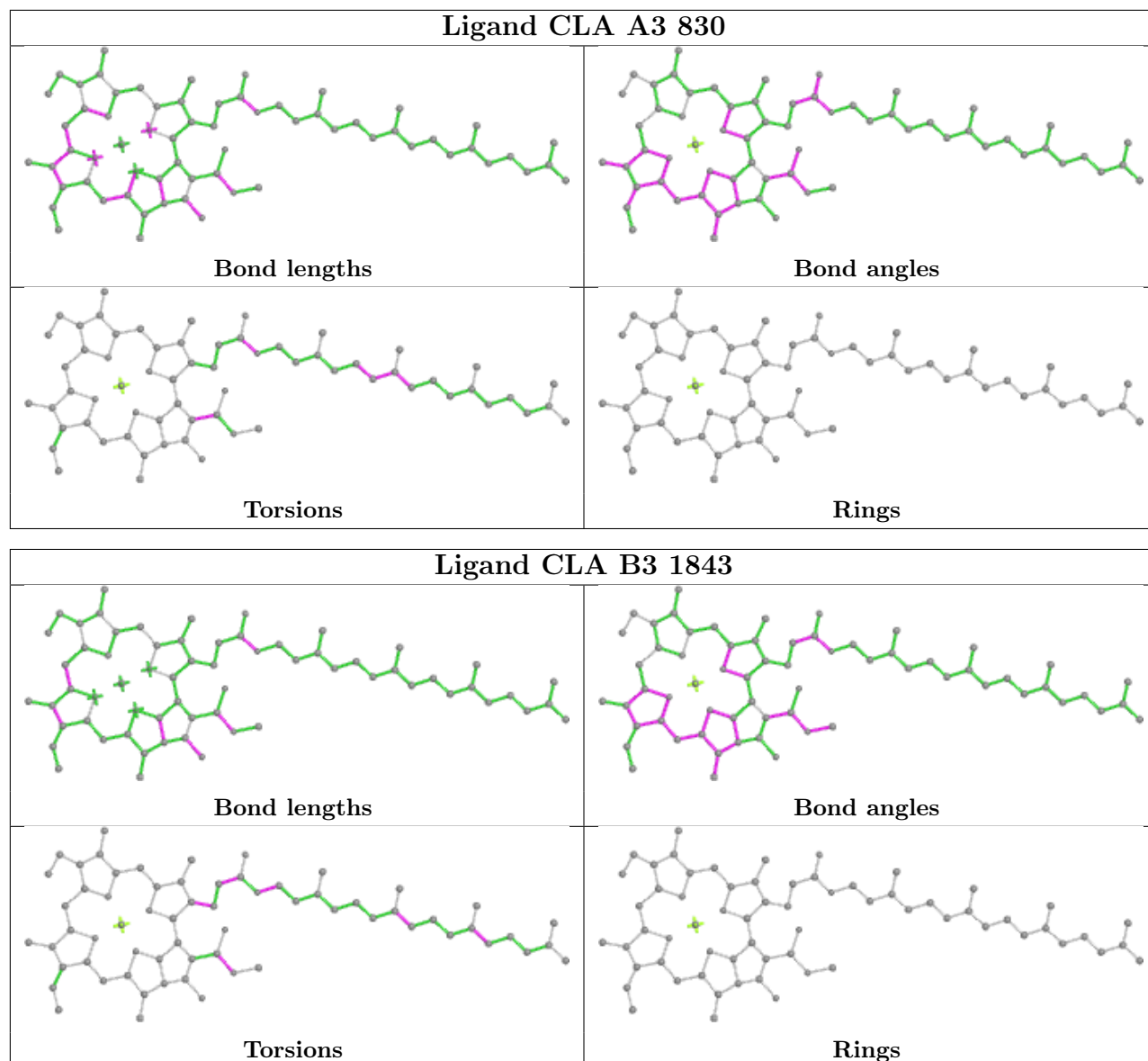
Mol	Chain	Res	Type	Clashes	Symm-Clashes
16	A3	851	BCR	3	0
16	L1	209	BCR	9	0
14	A6	1605	CLA	10	0
14	M6	1201	CLA	2	0
14	B1	826	CLA	12	0
17	A5	852	LHG	3	0
14	K3	1401	CLA	1	0
16	B1	848	BCR	5	0
16	A3	852	BCR	14	0
14	J4	101	CLA	8	0
14	A5	832	CLA	2	0
14	B1	836	CLA	7	0
16	B3	1851	BCR	3	0
14	B4	838	CLA	3	0

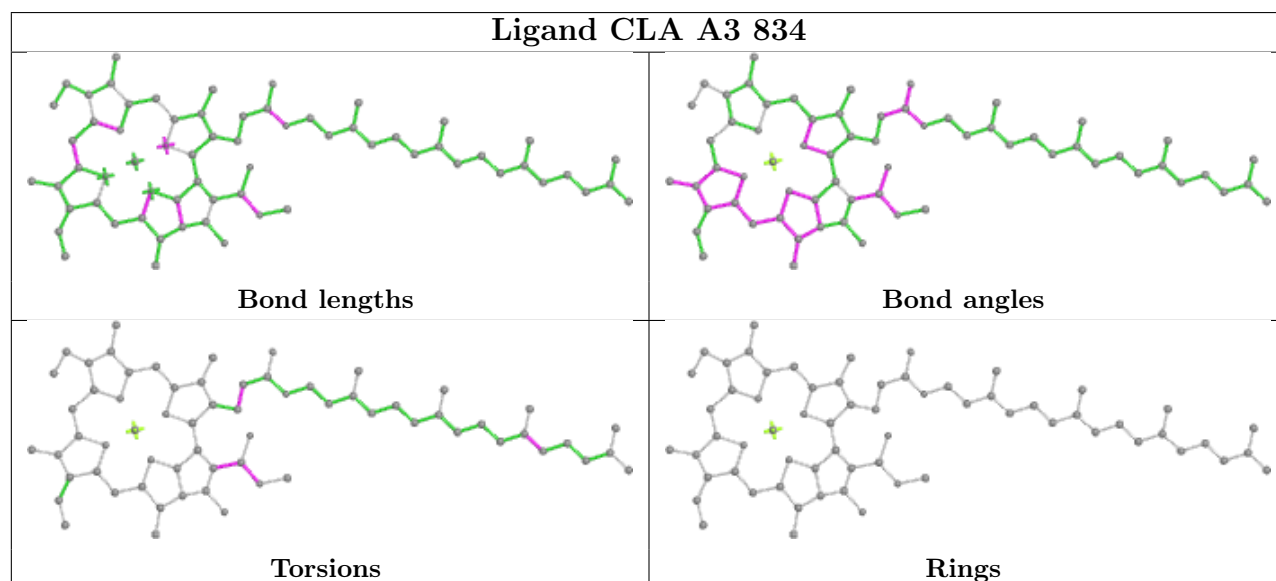
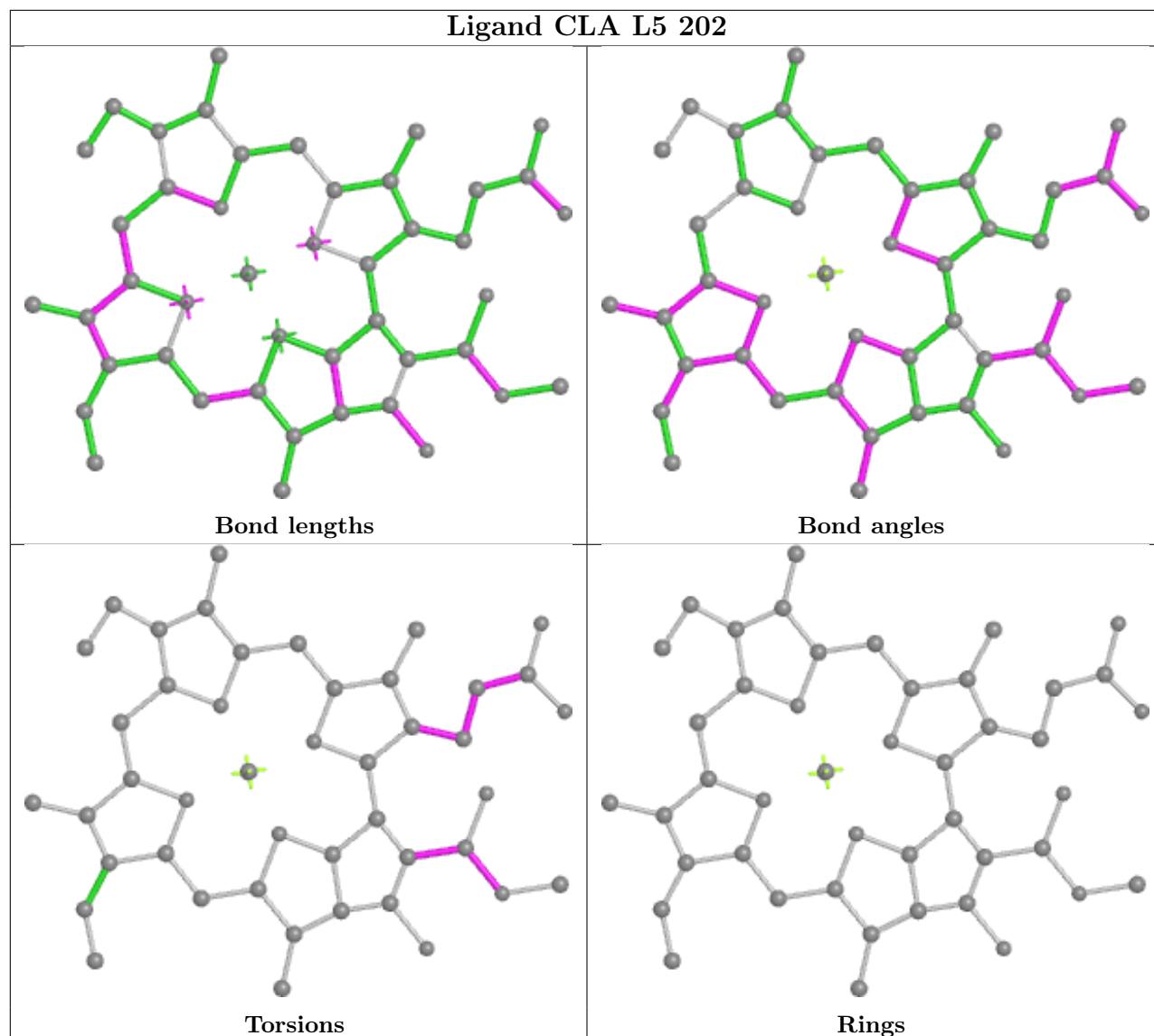
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included.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

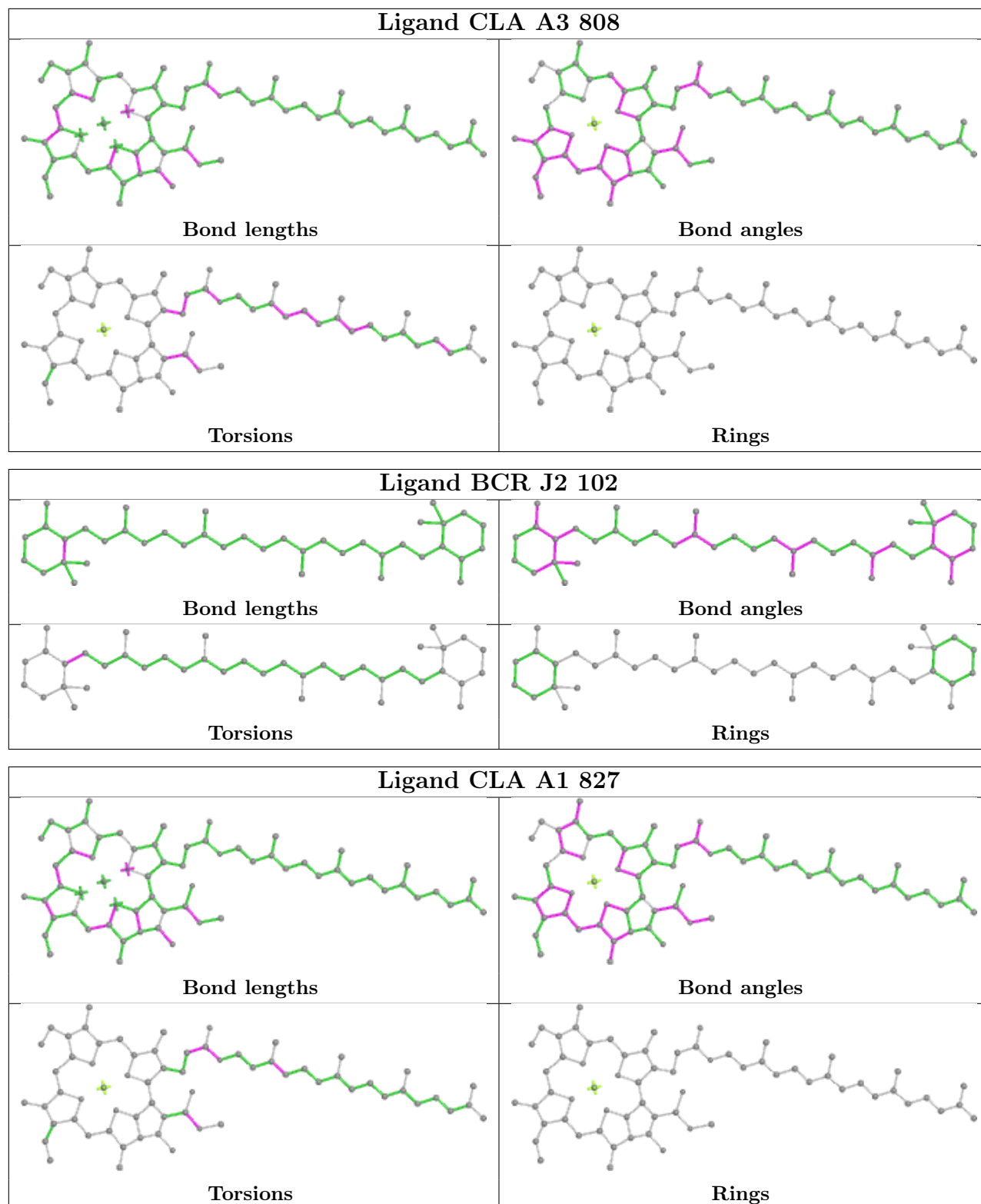


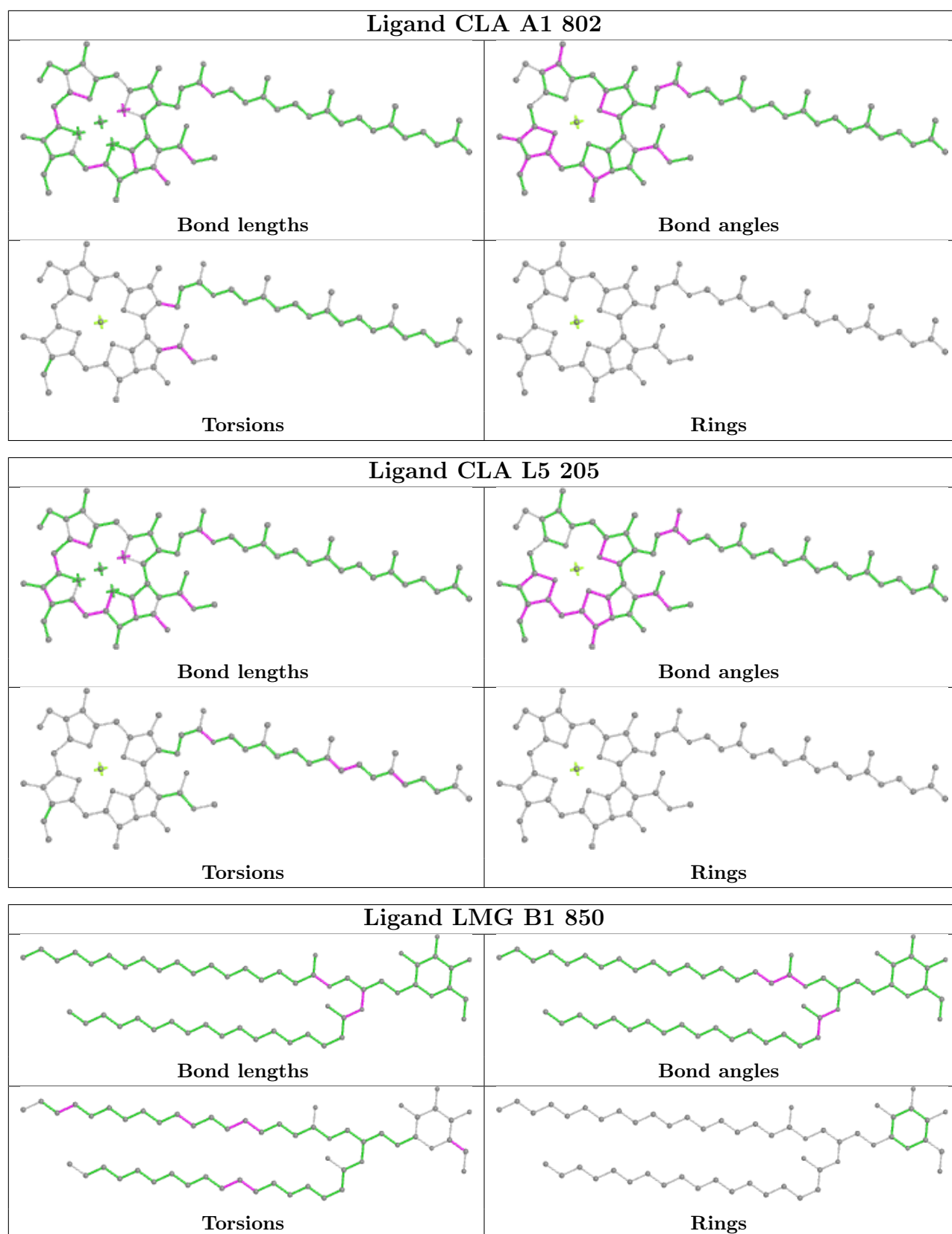


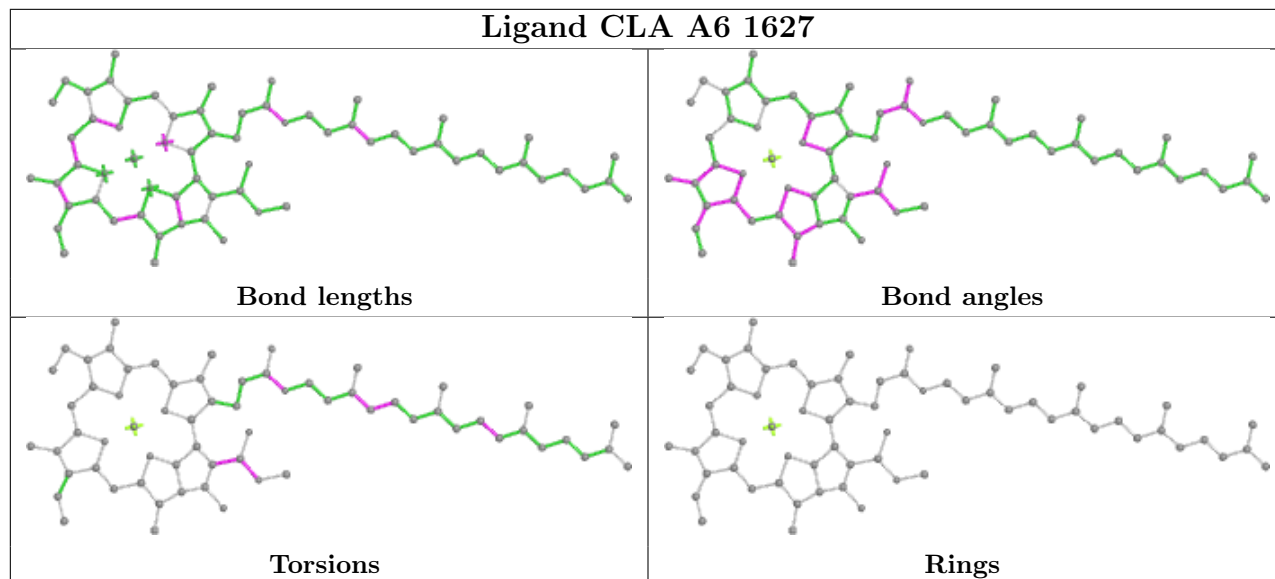
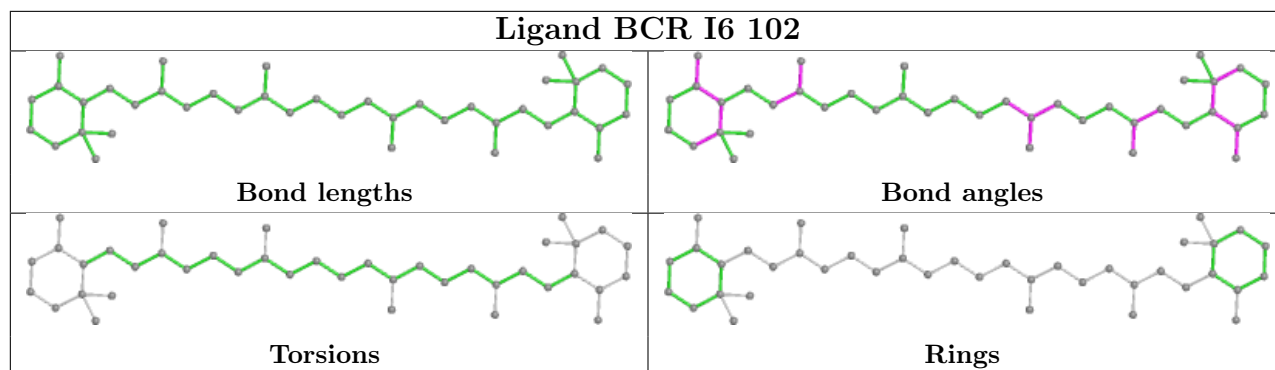


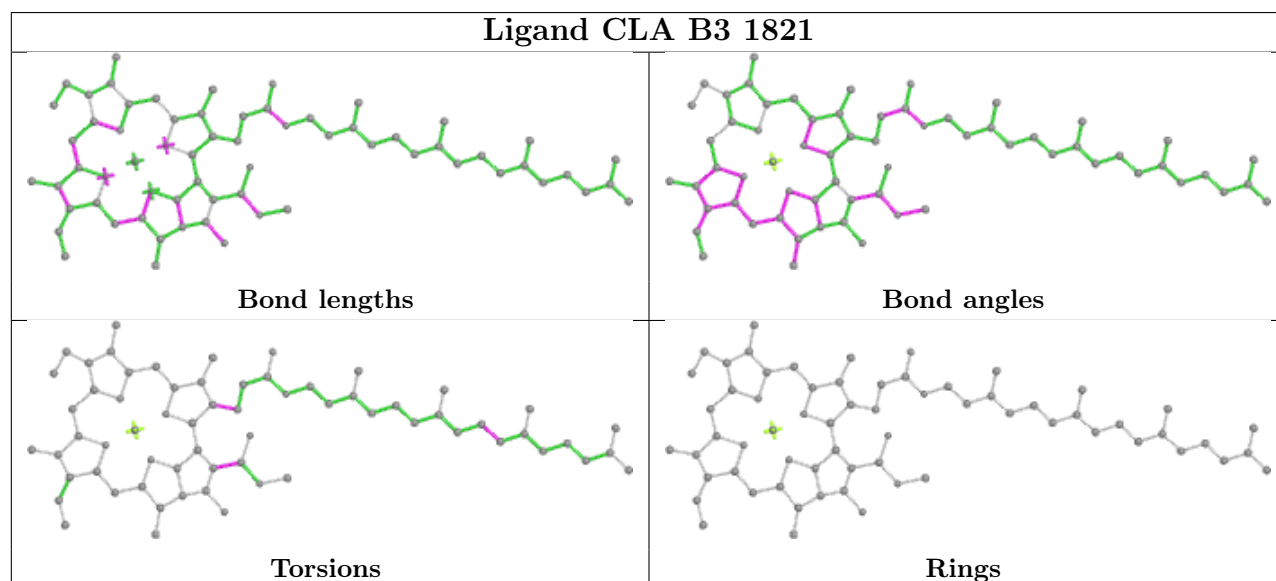
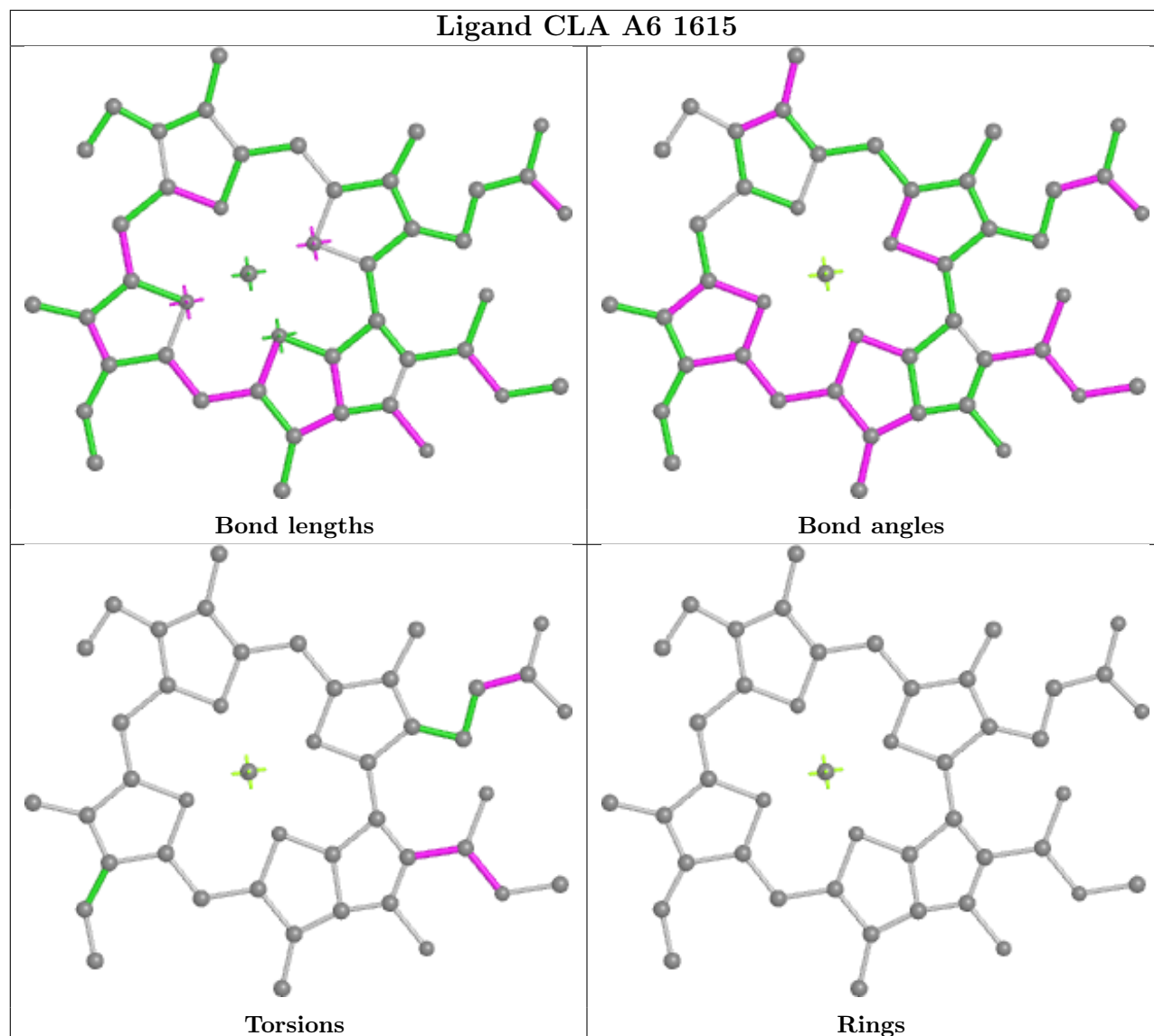


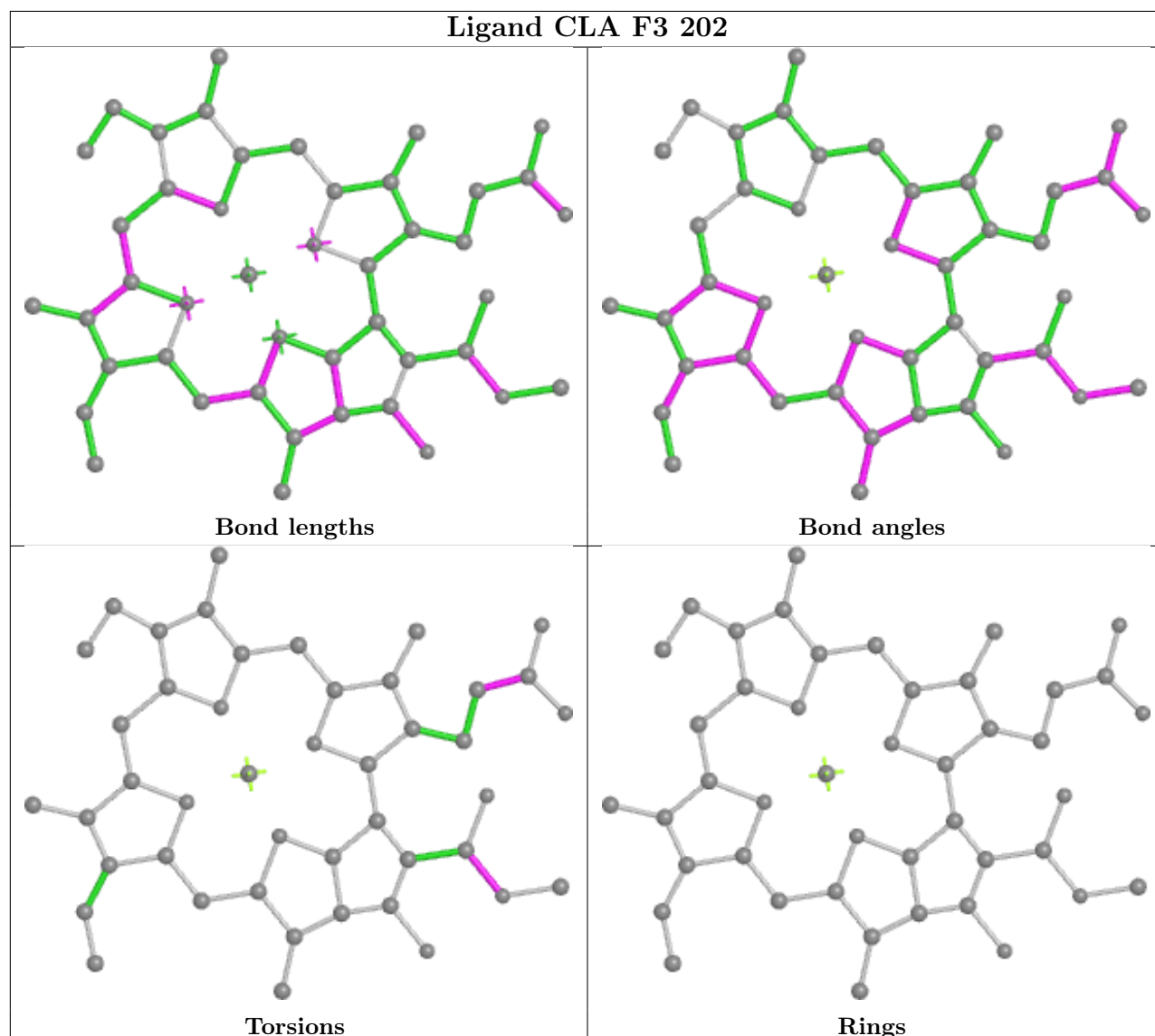
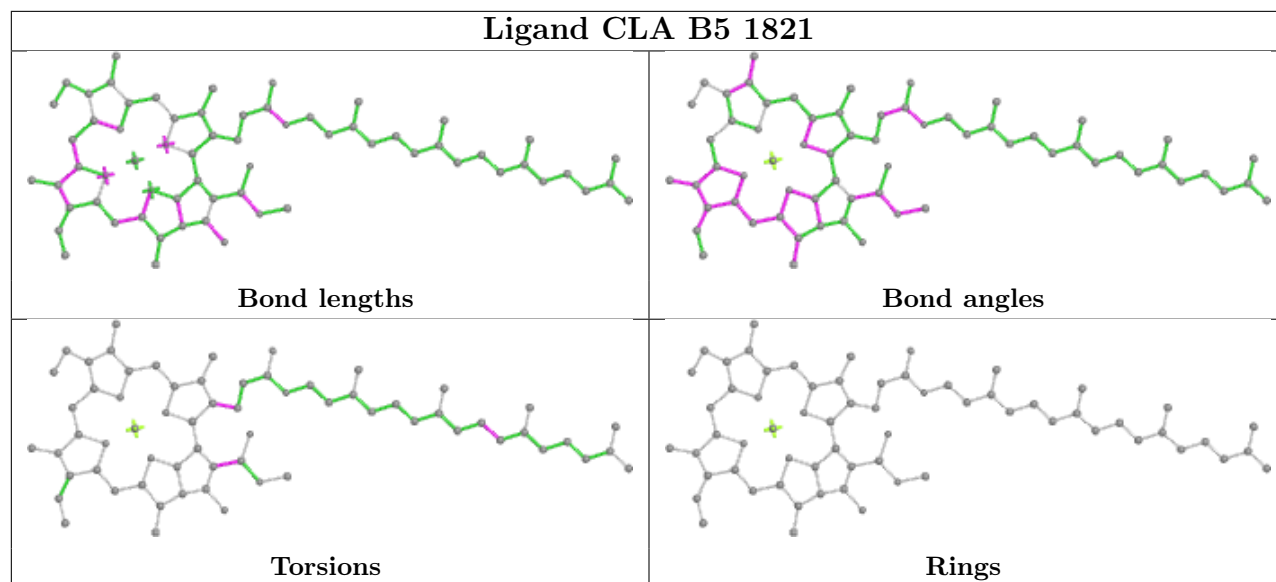


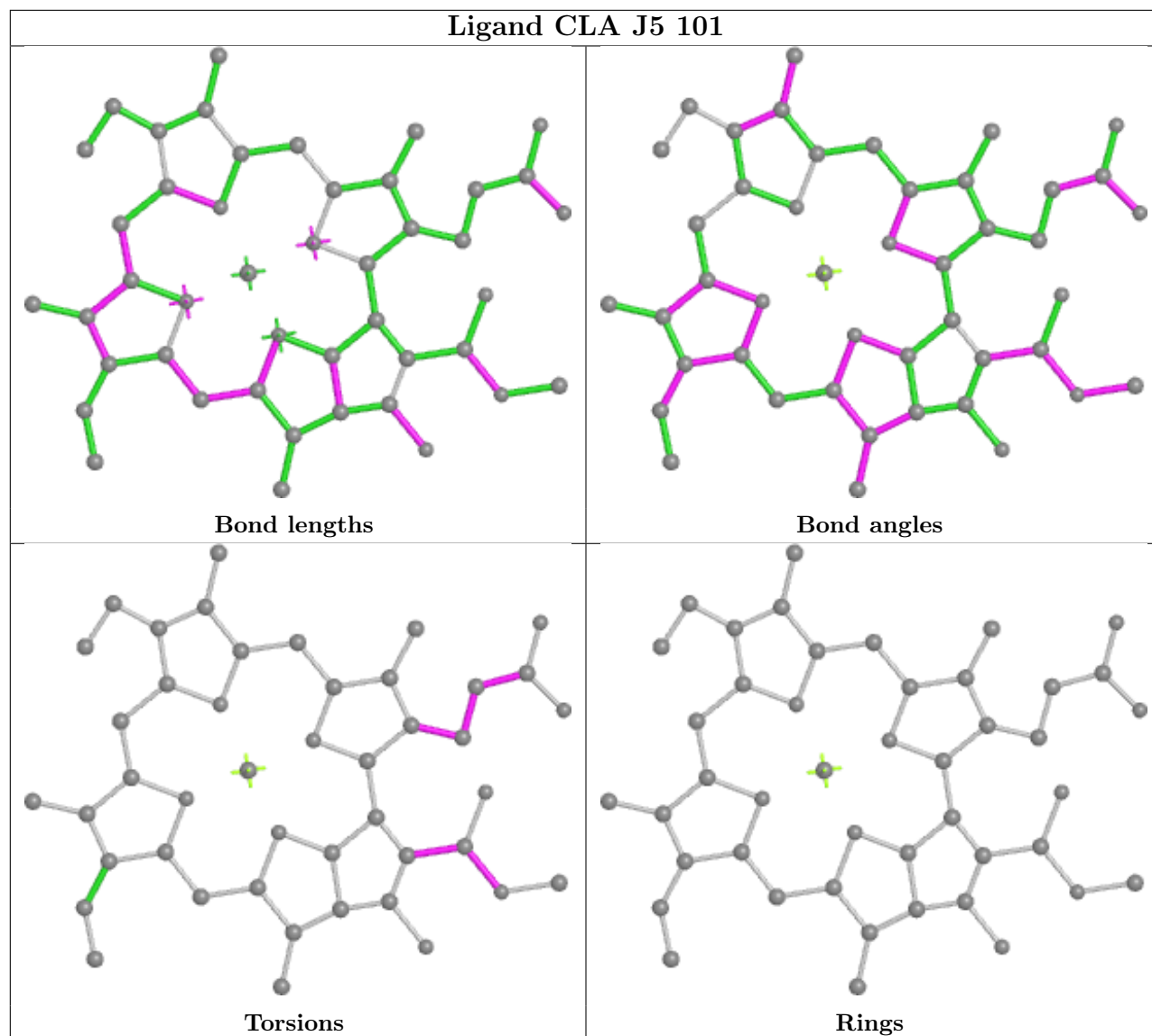




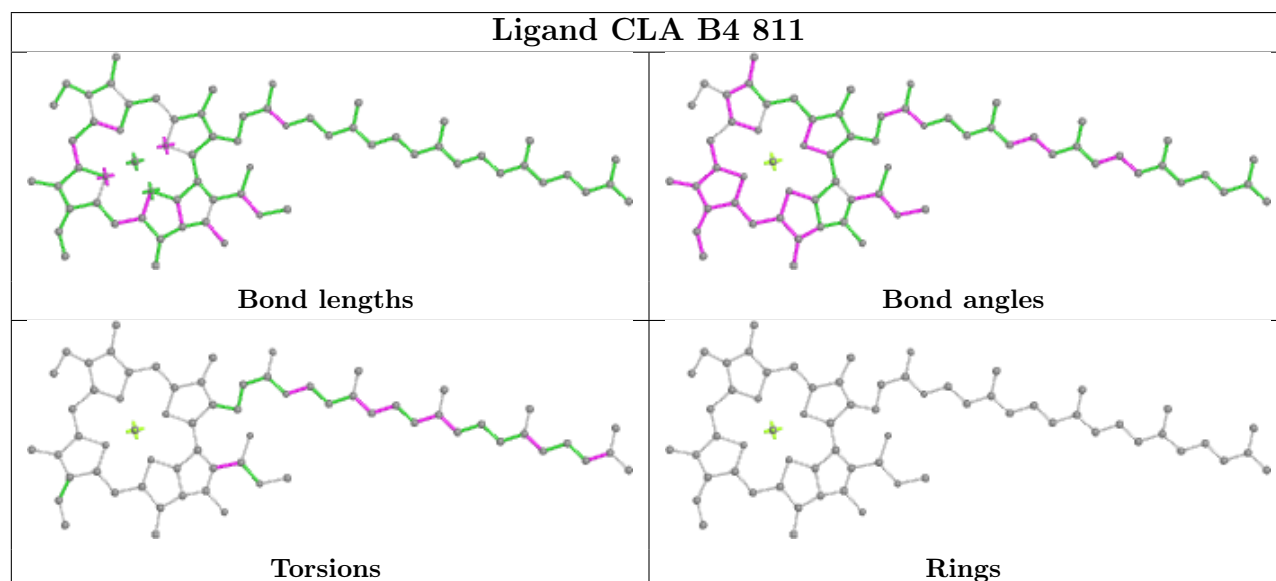
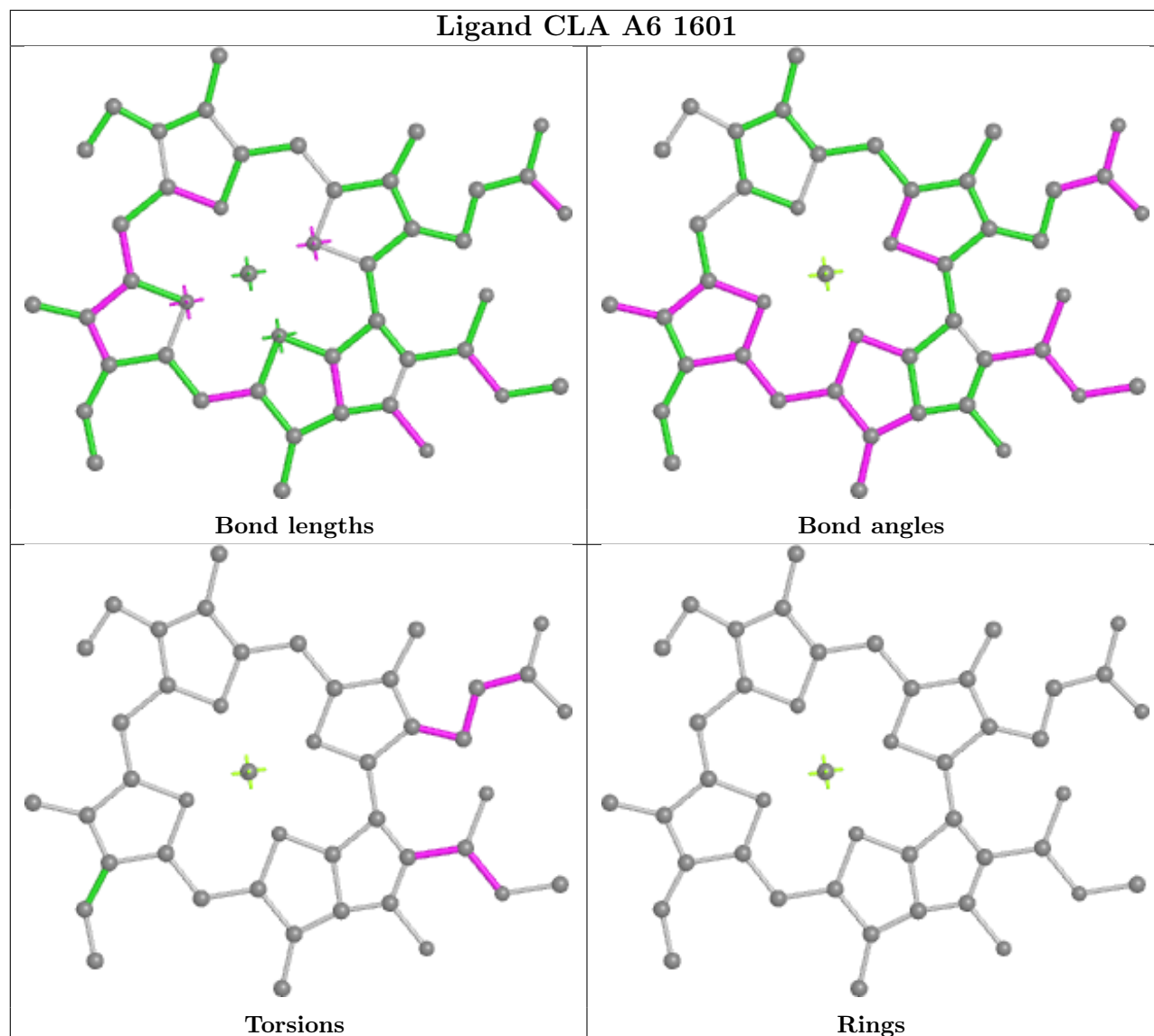


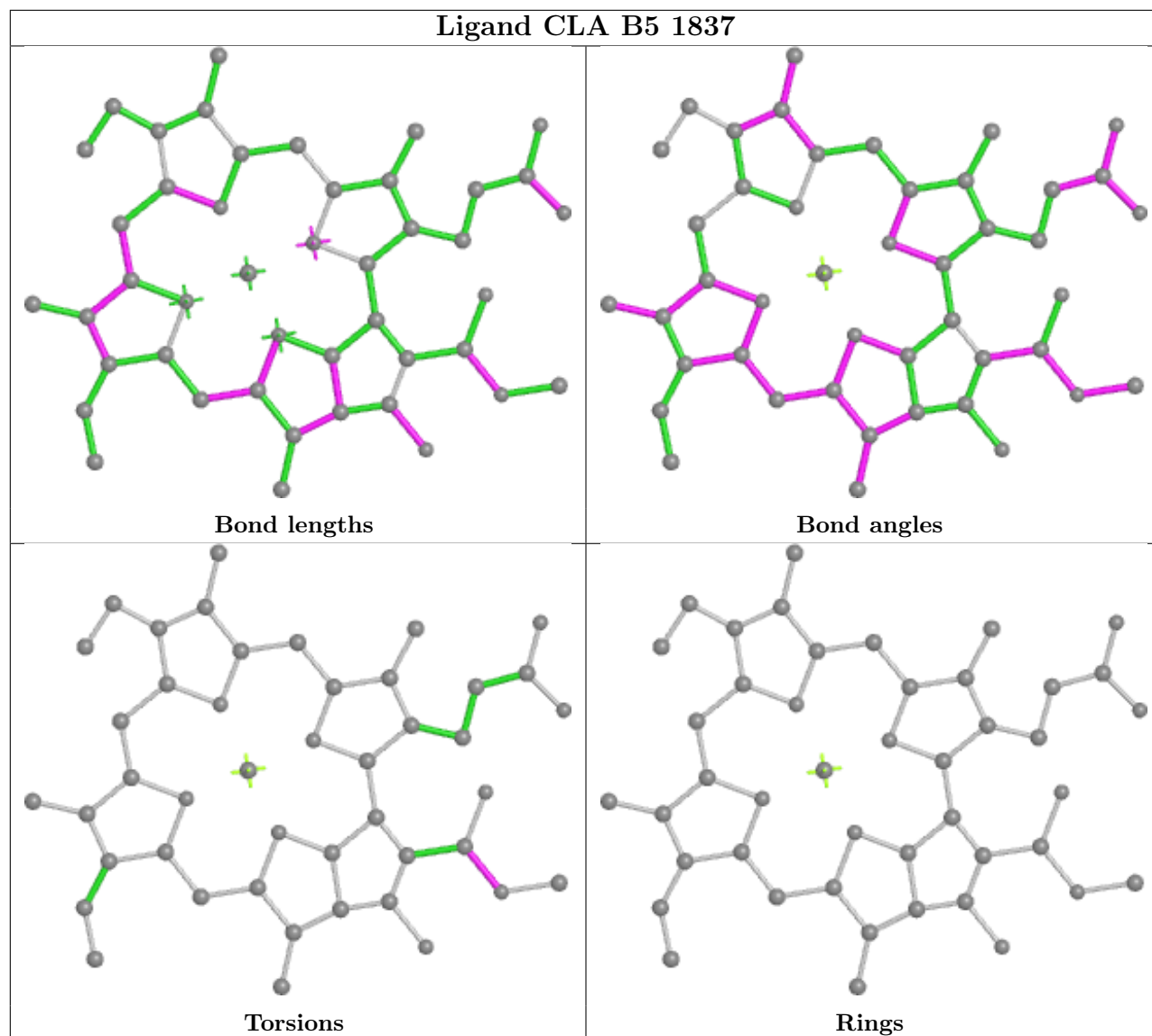


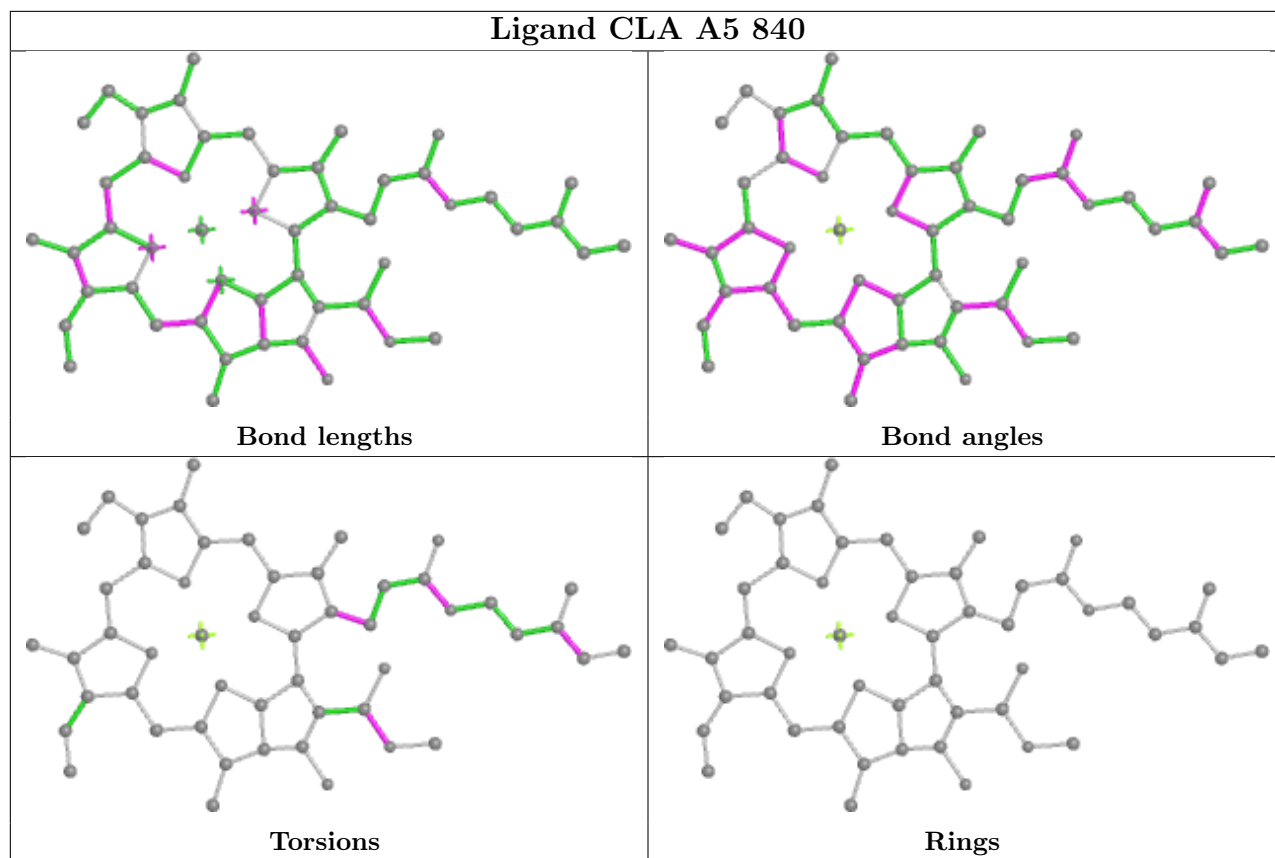


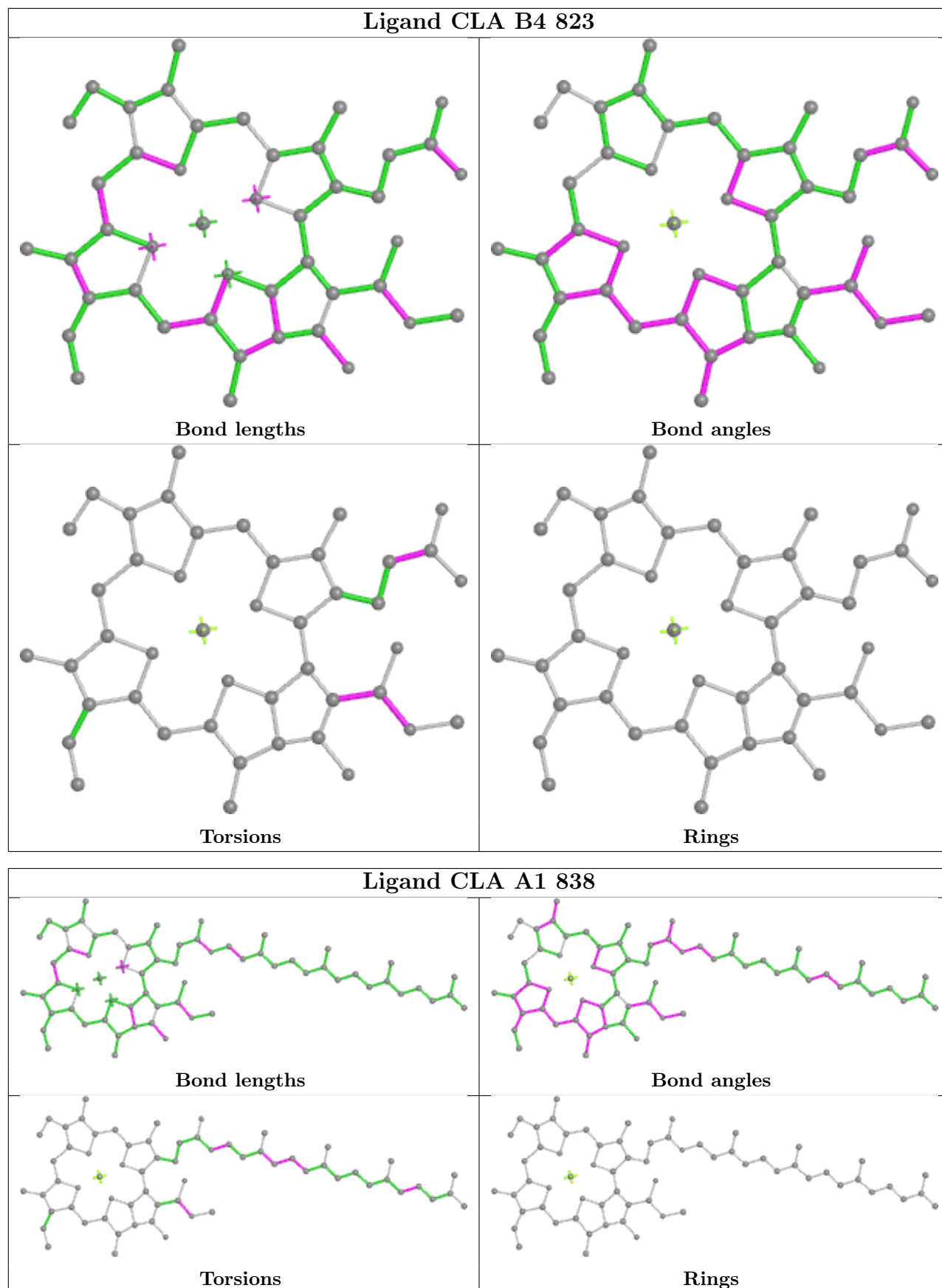


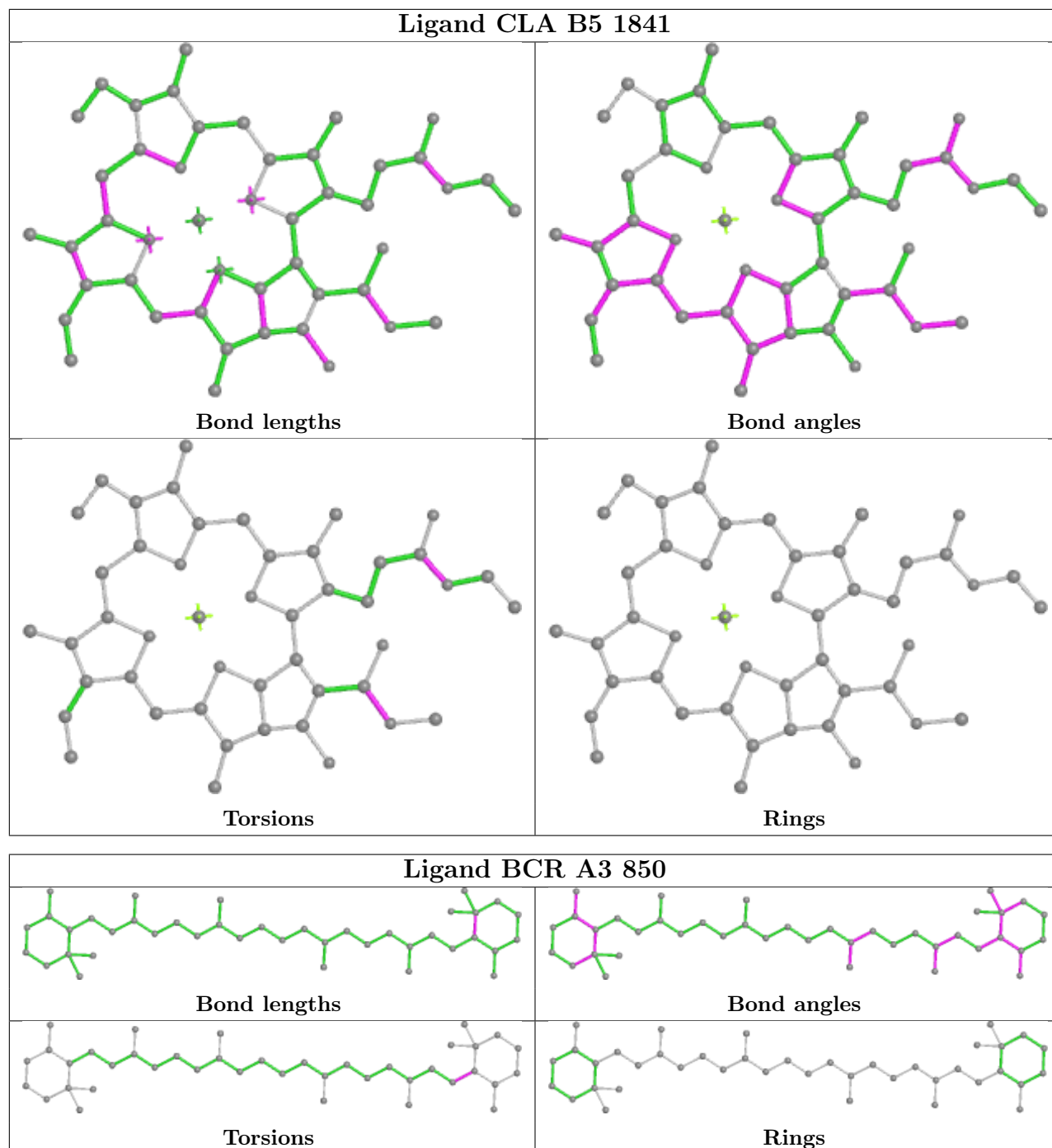


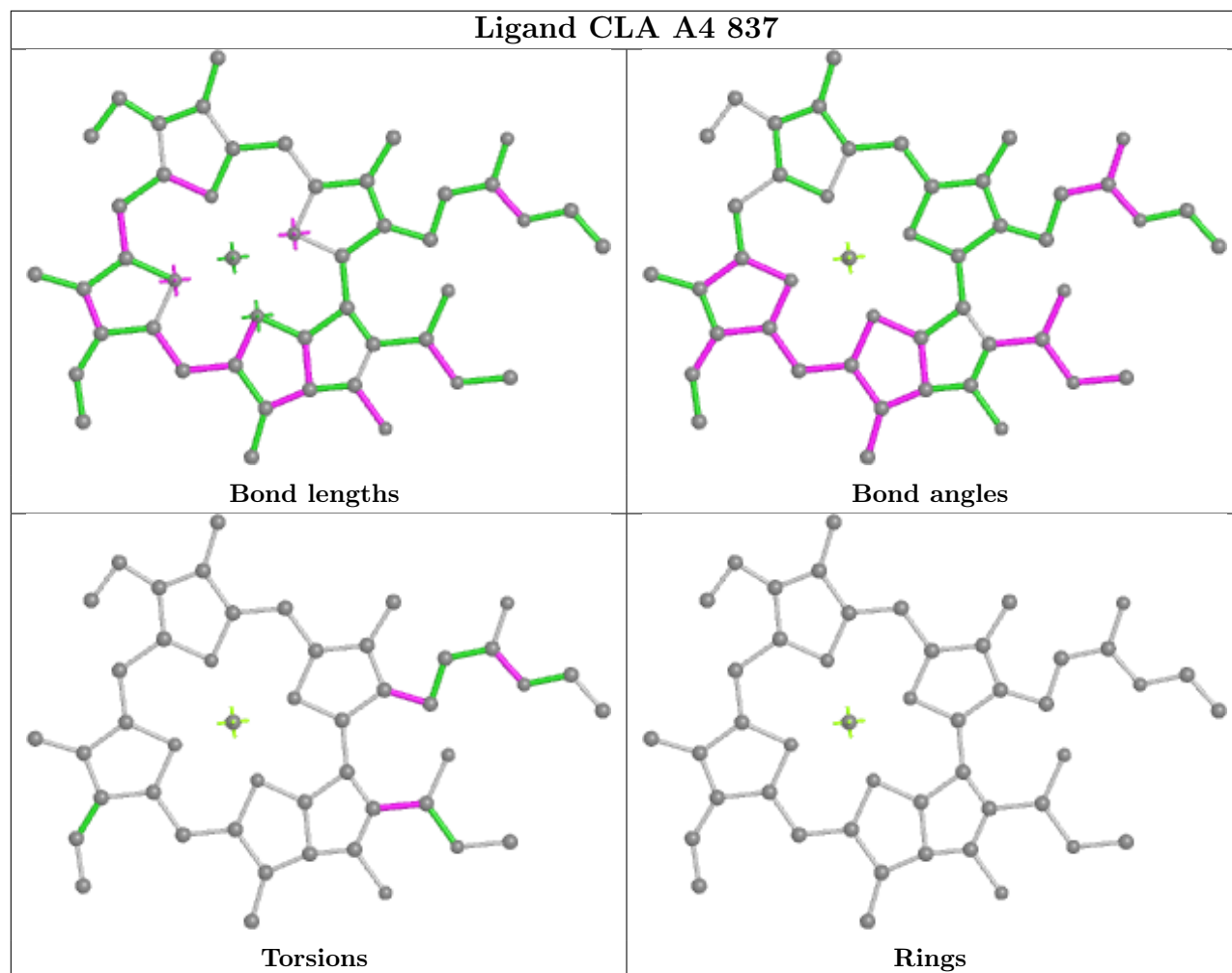


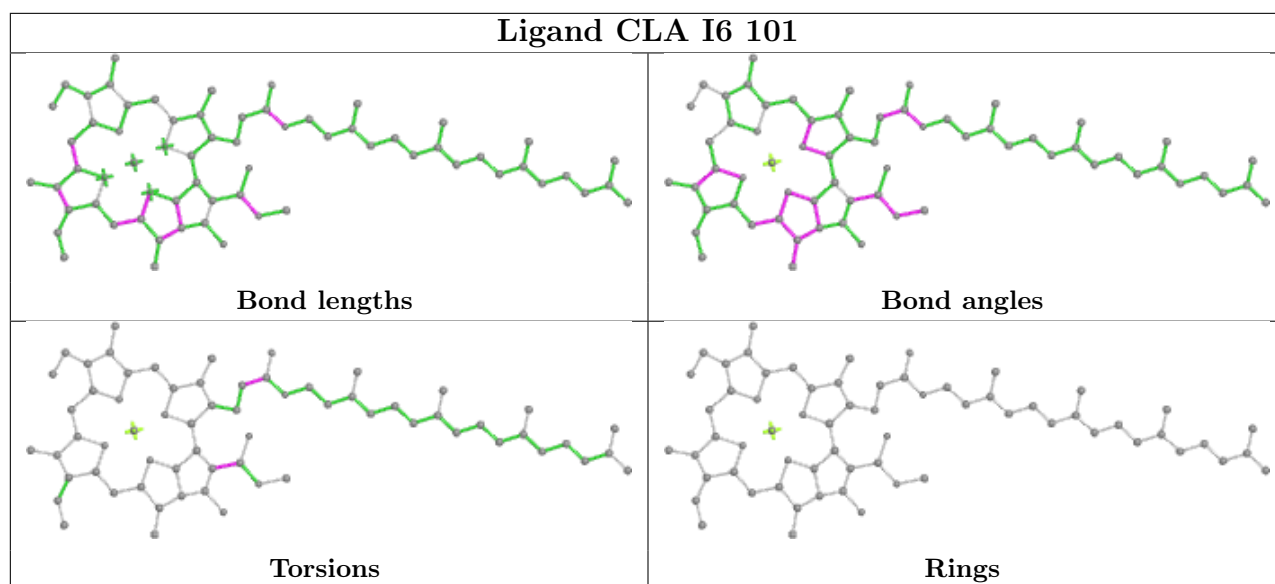
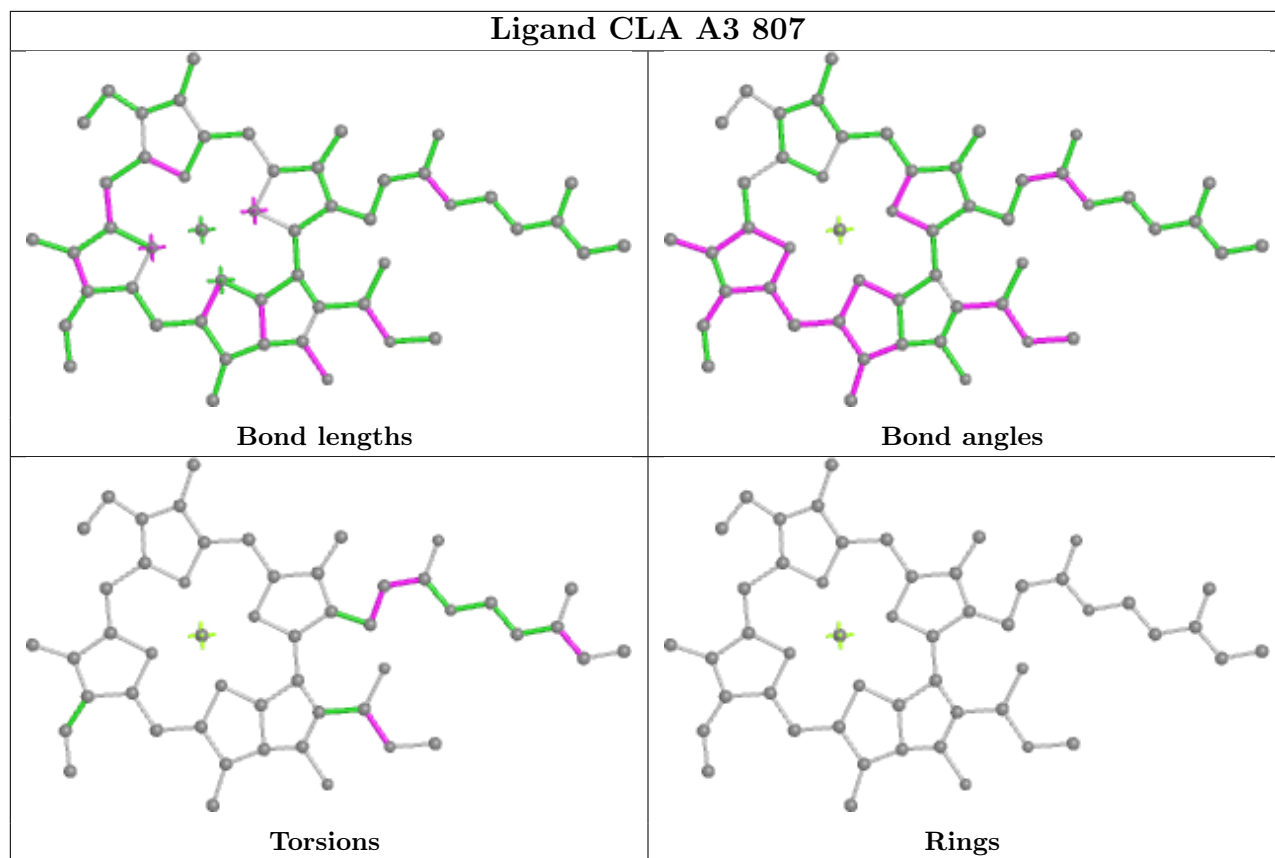


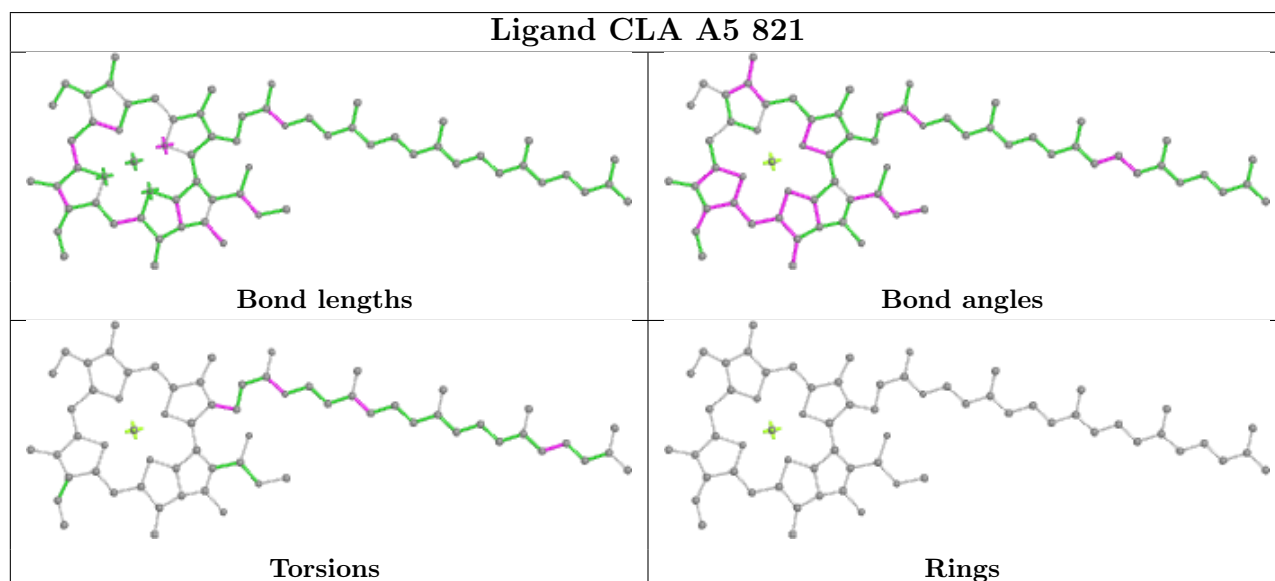
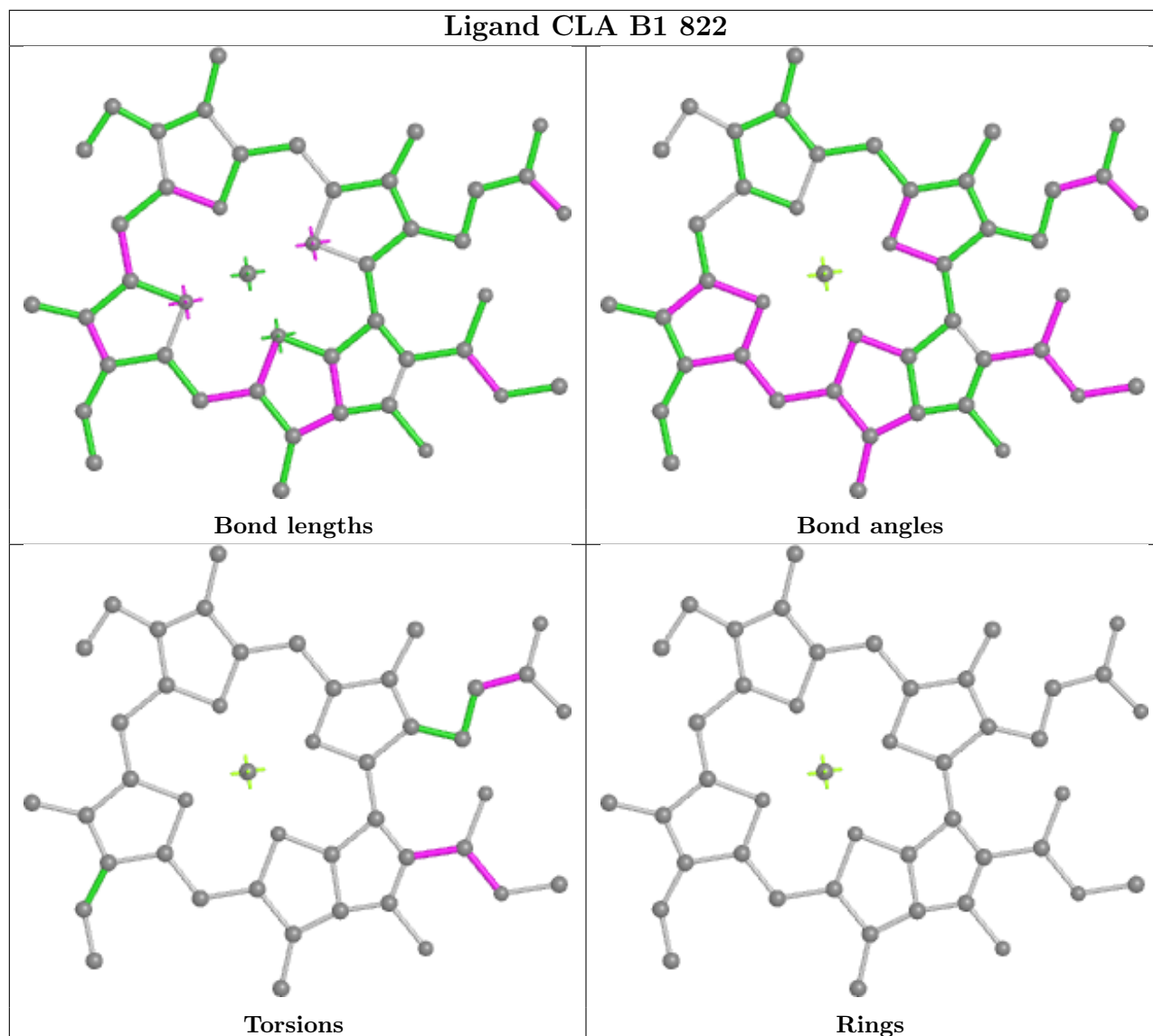




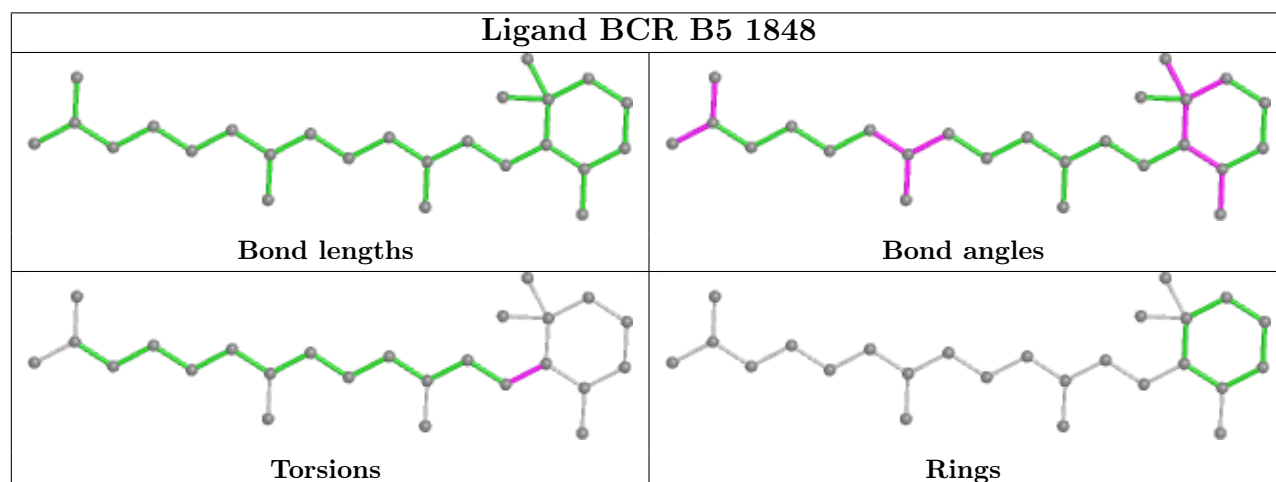
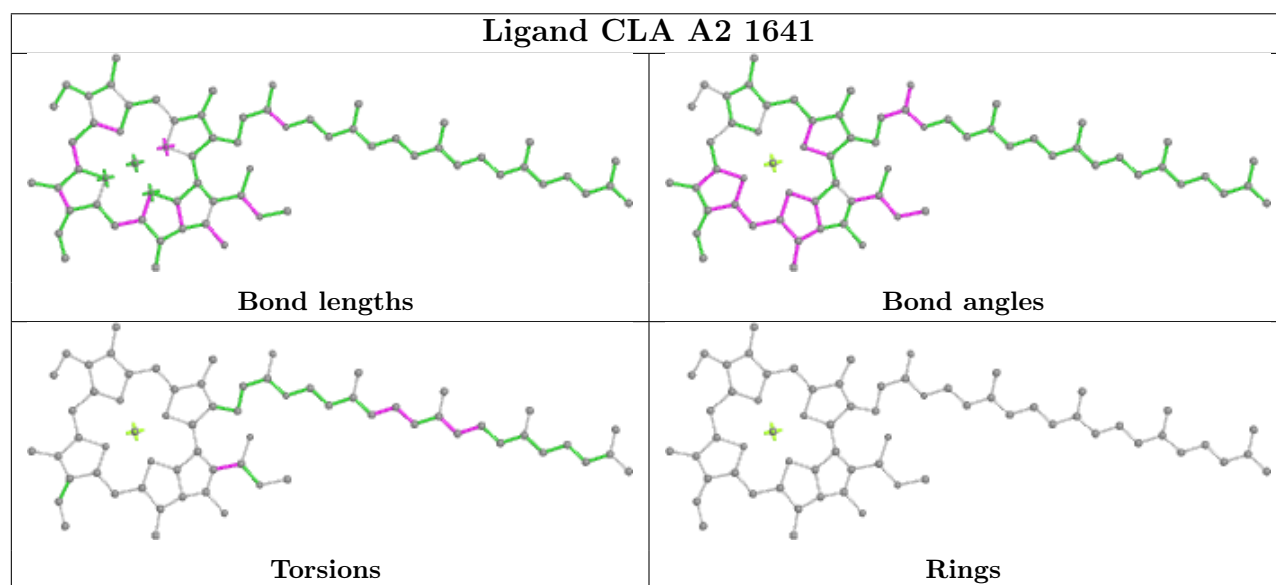
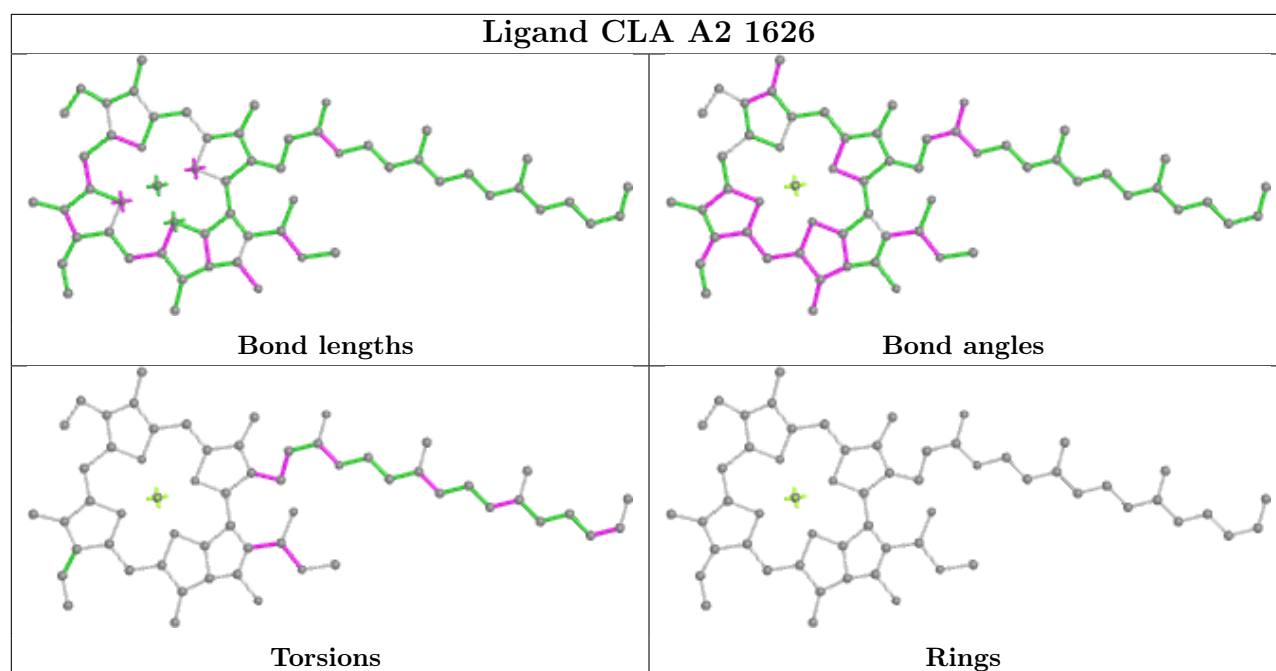


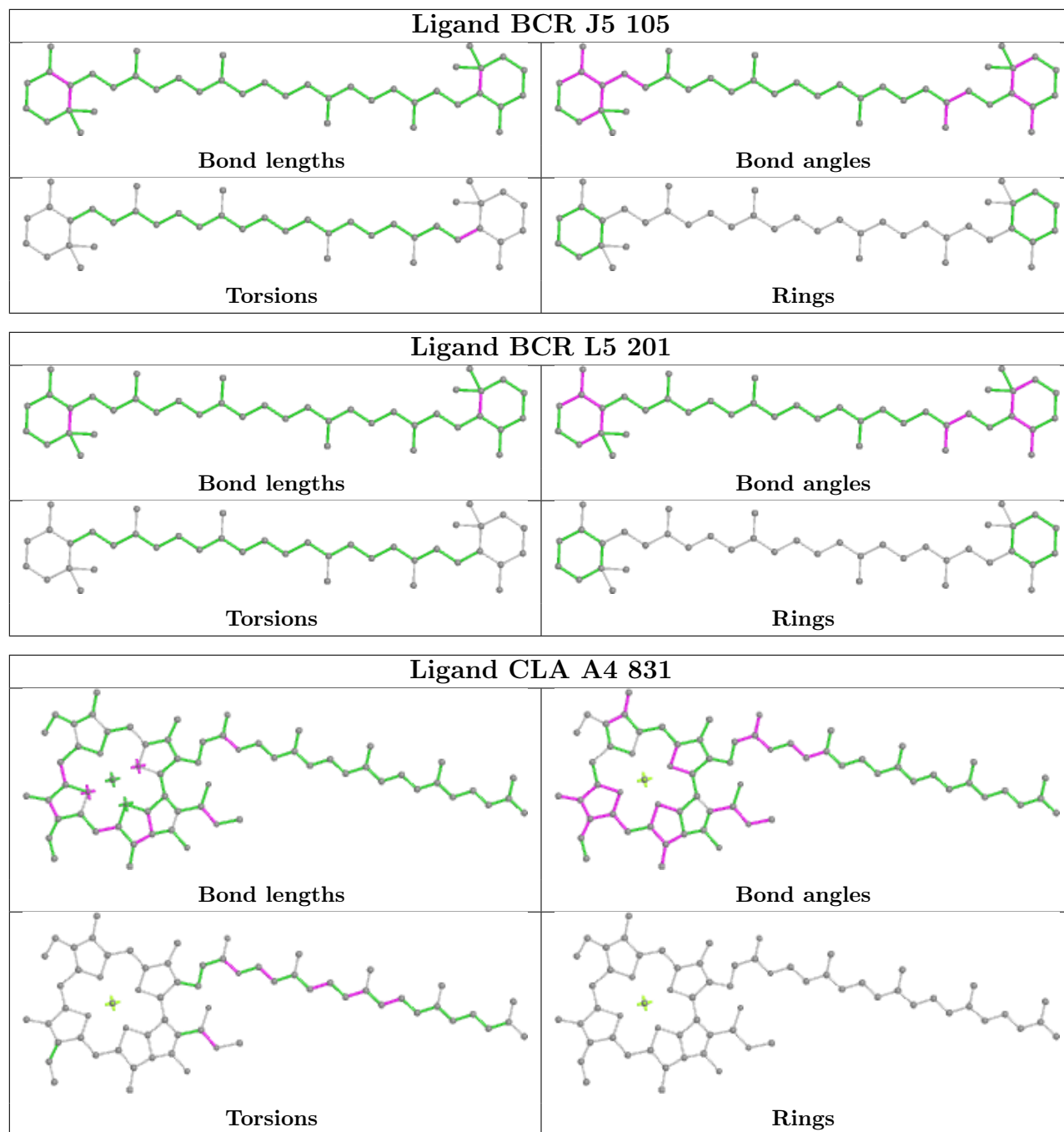


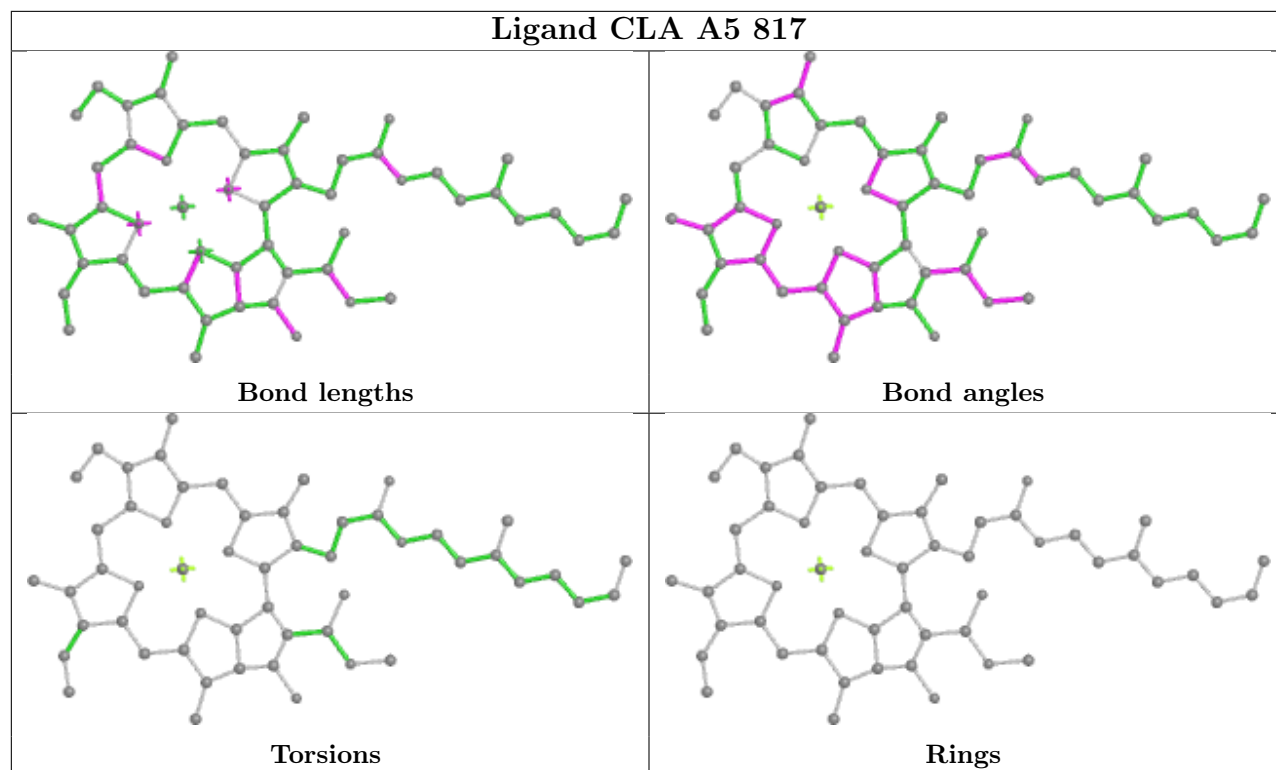


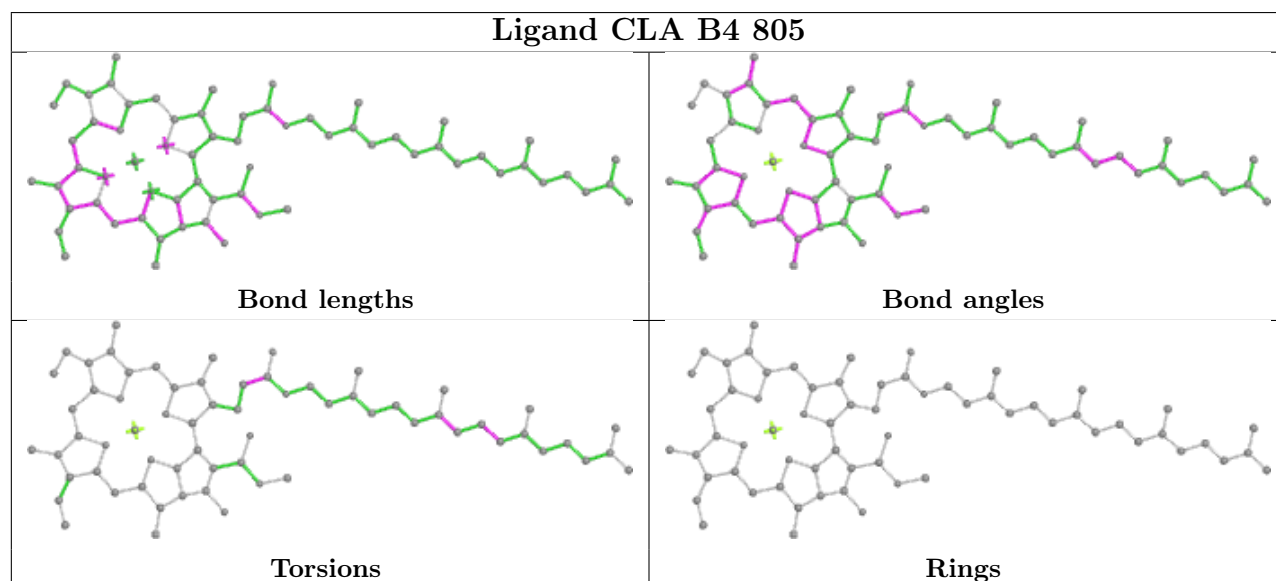
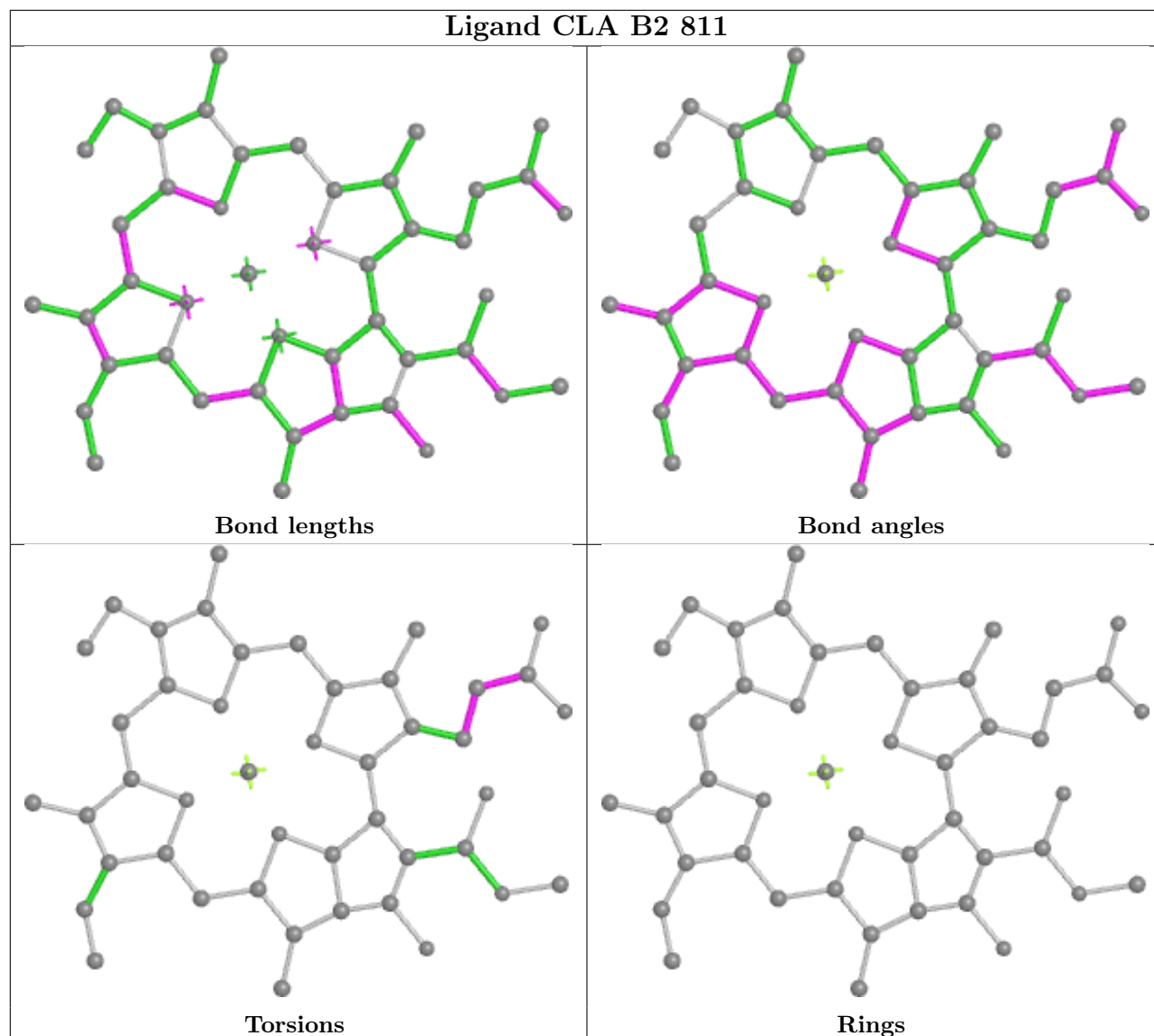


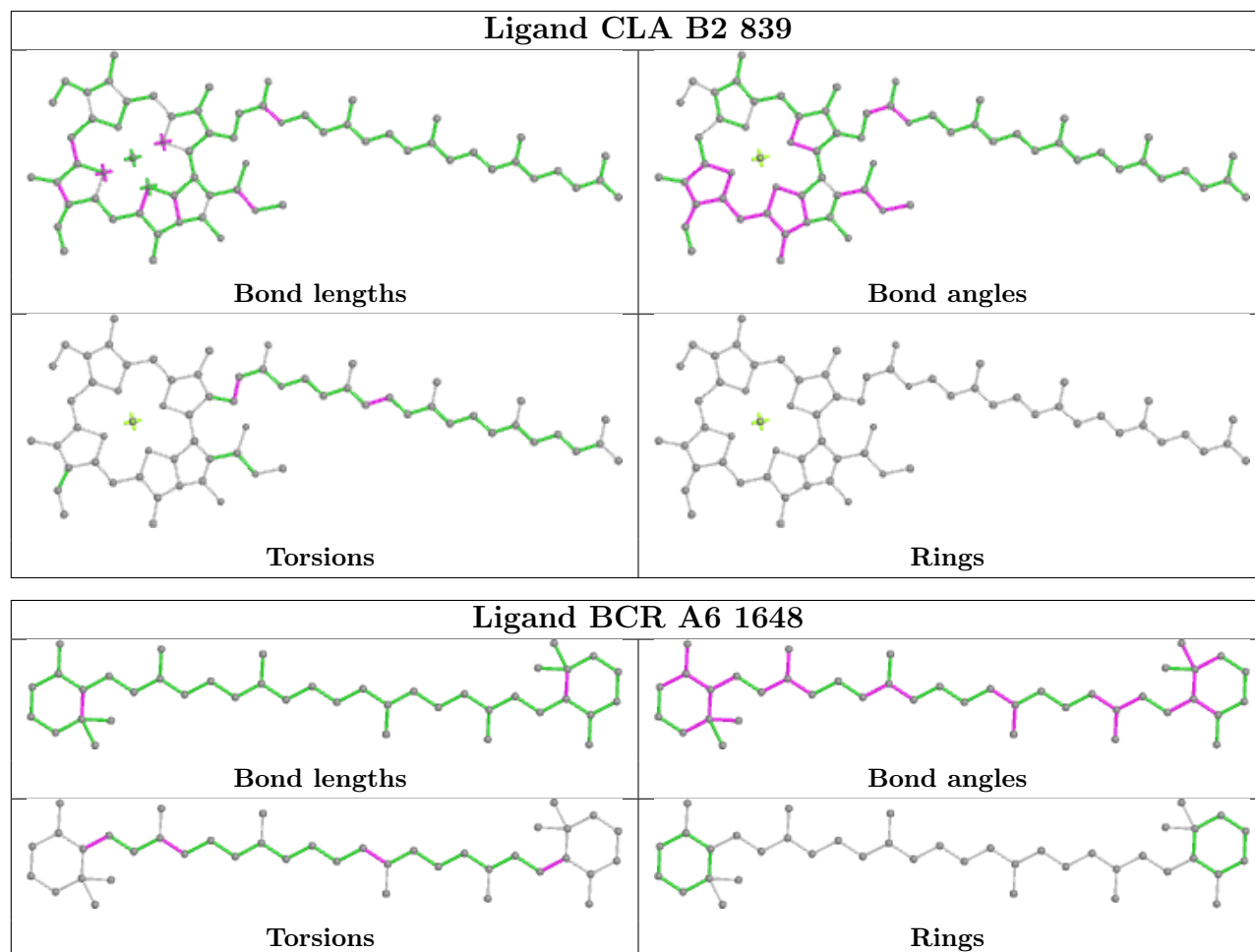


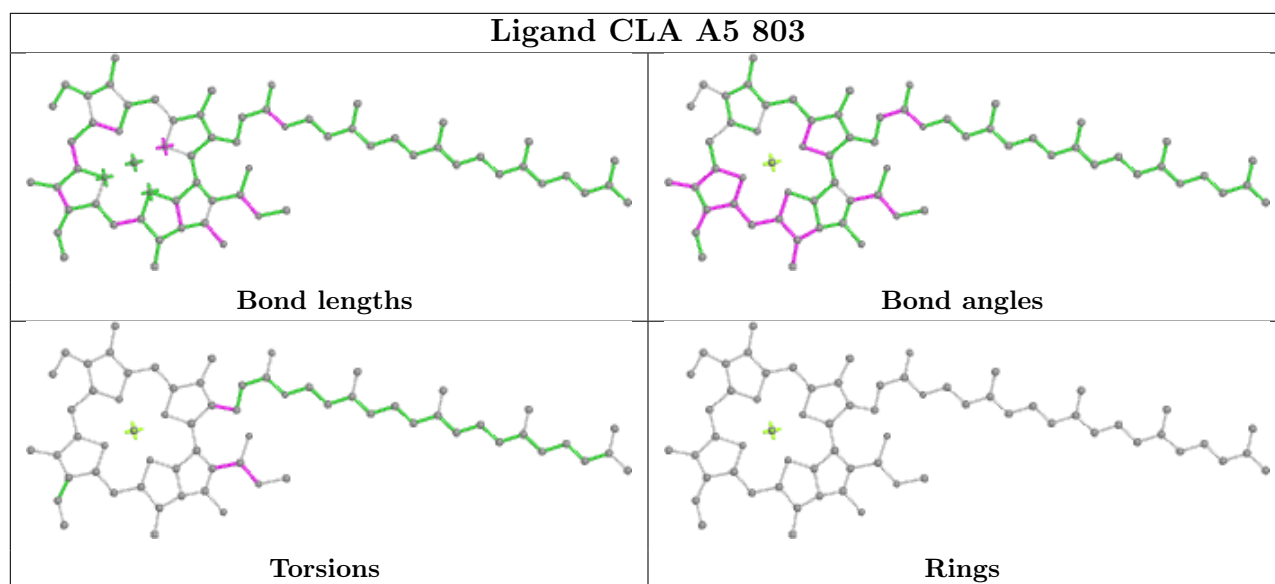
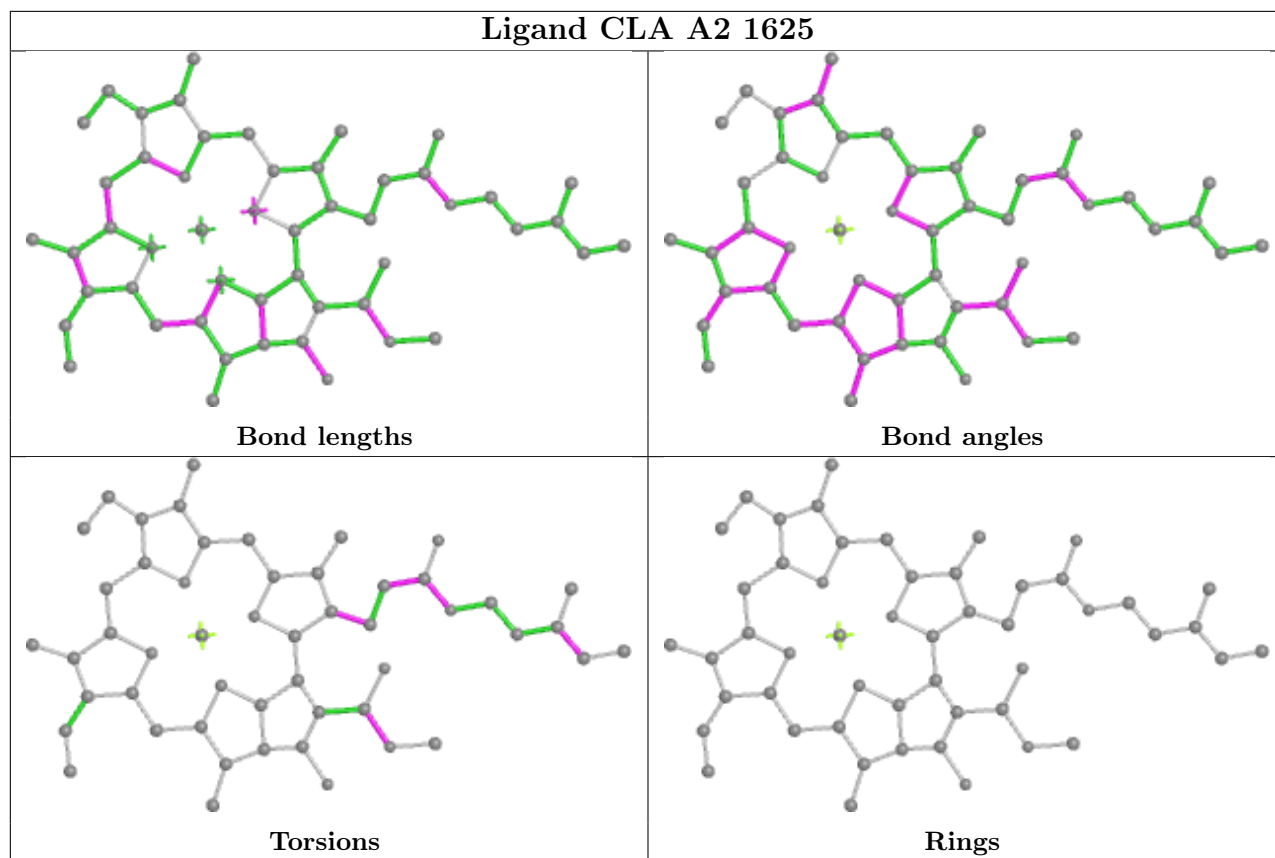


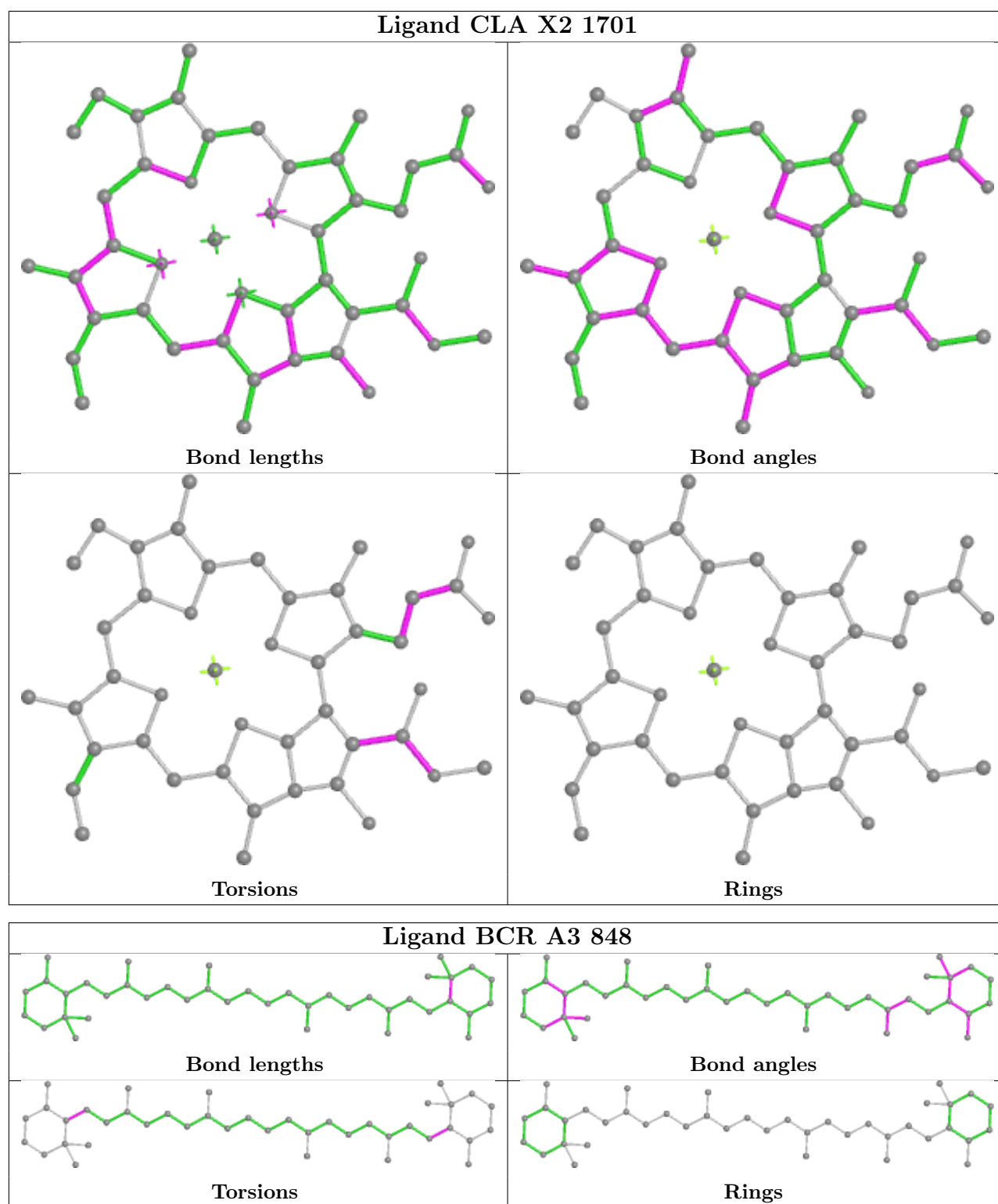


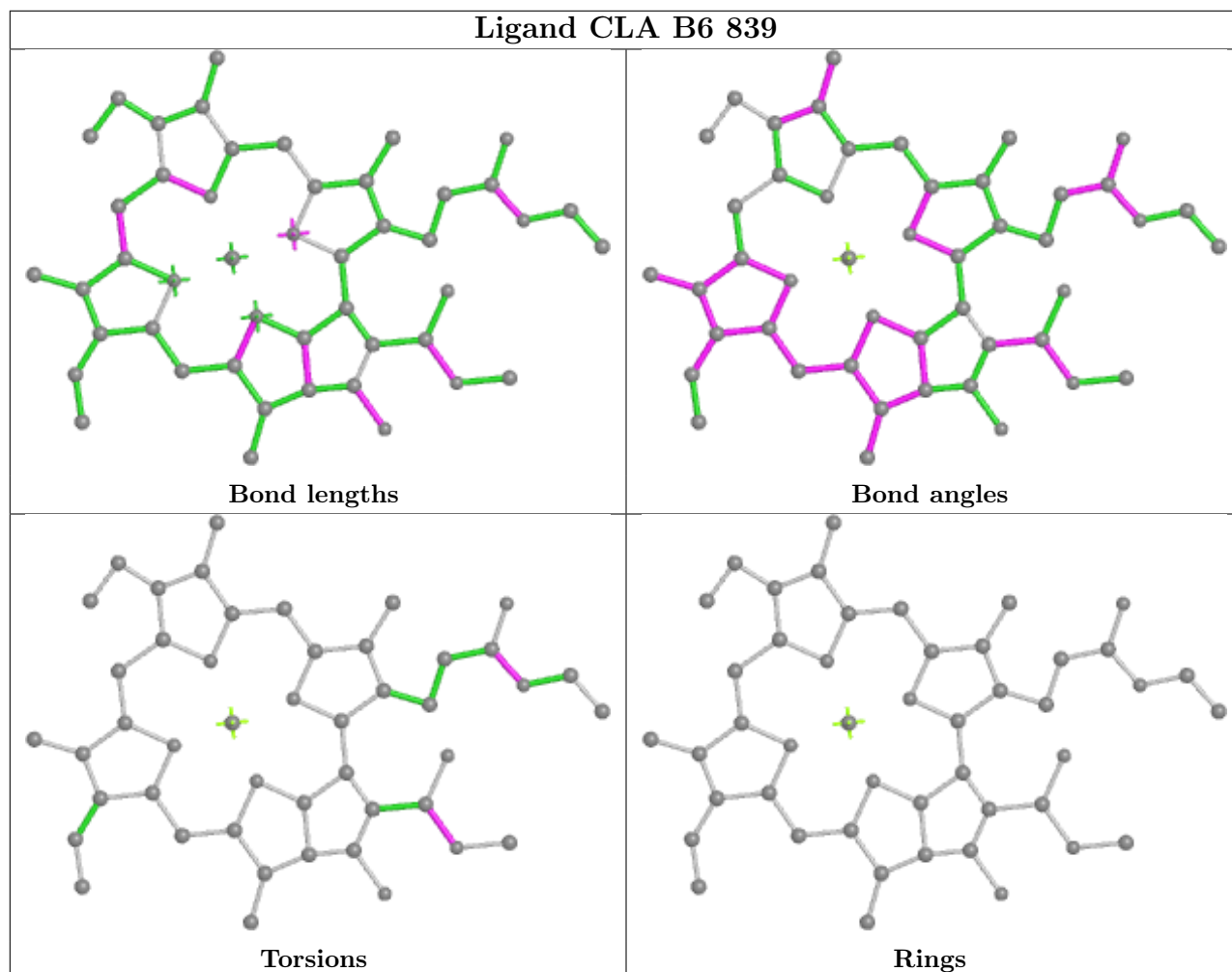
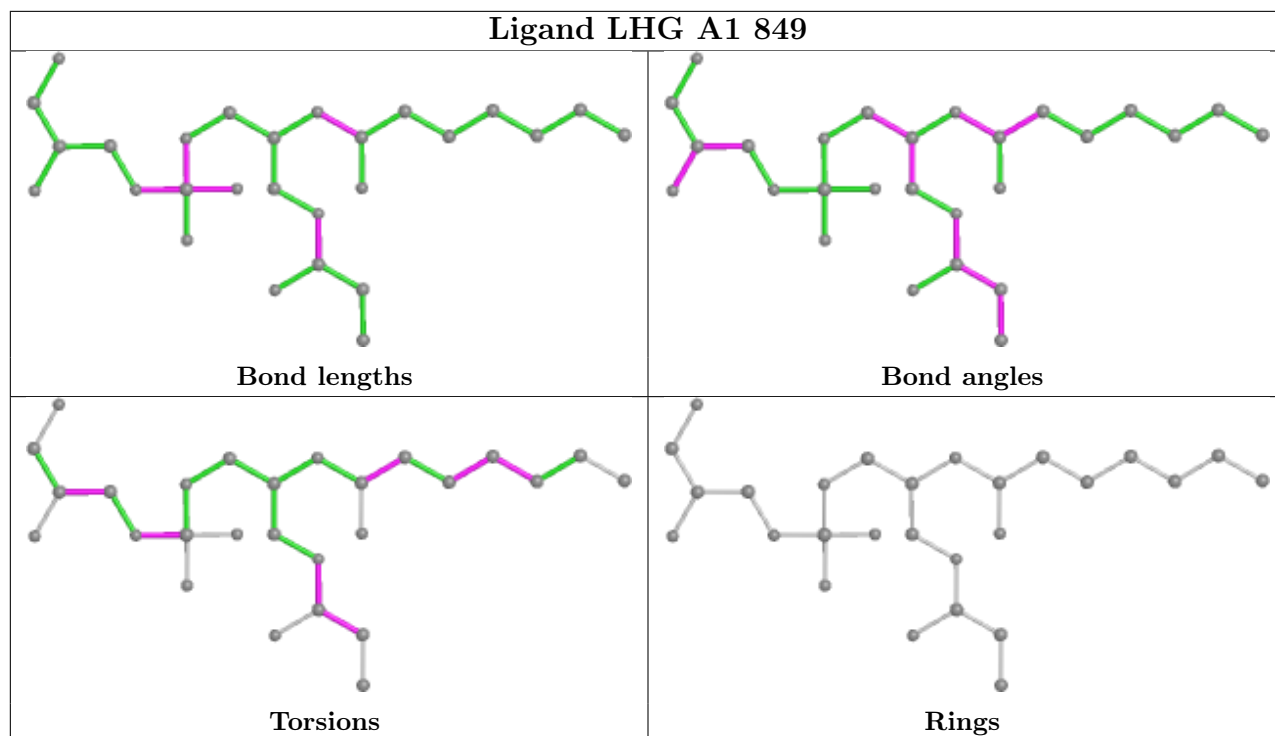




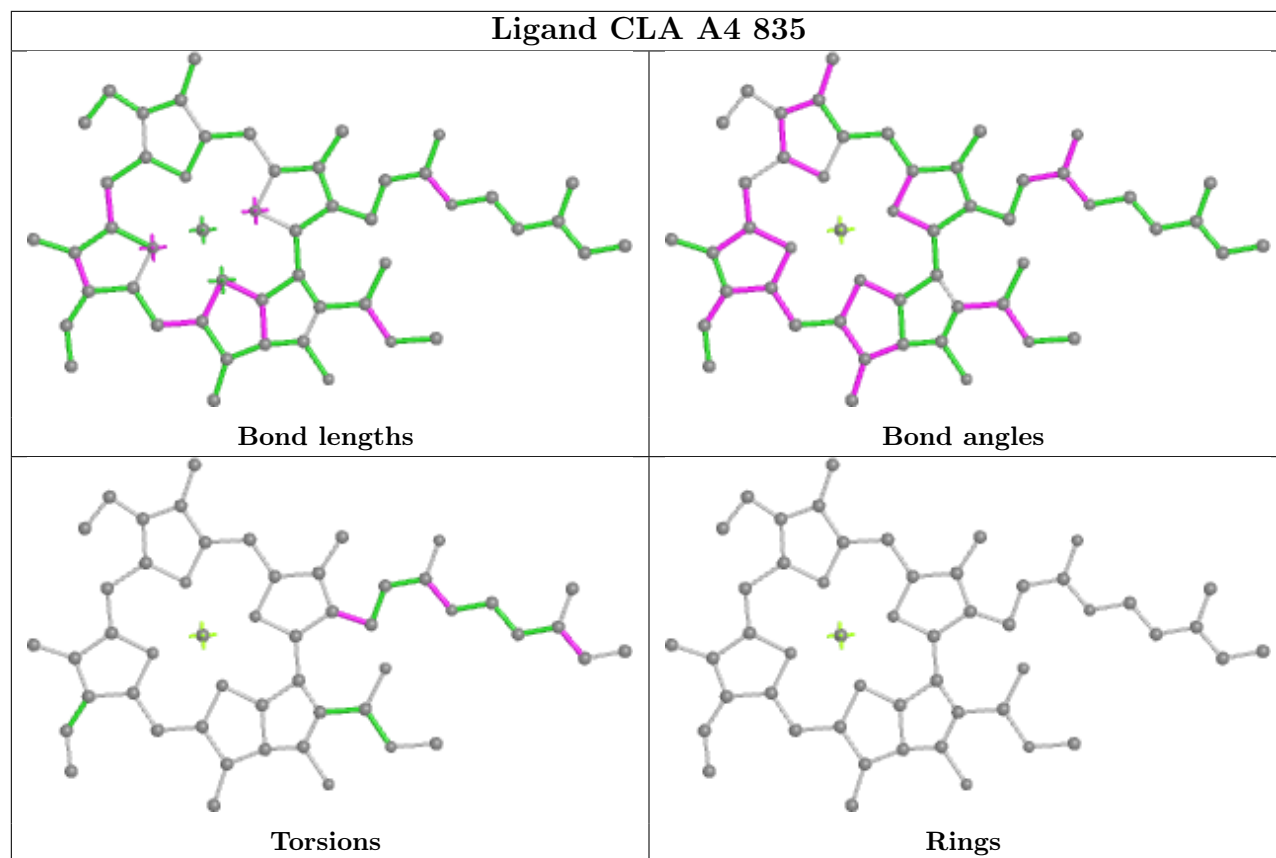


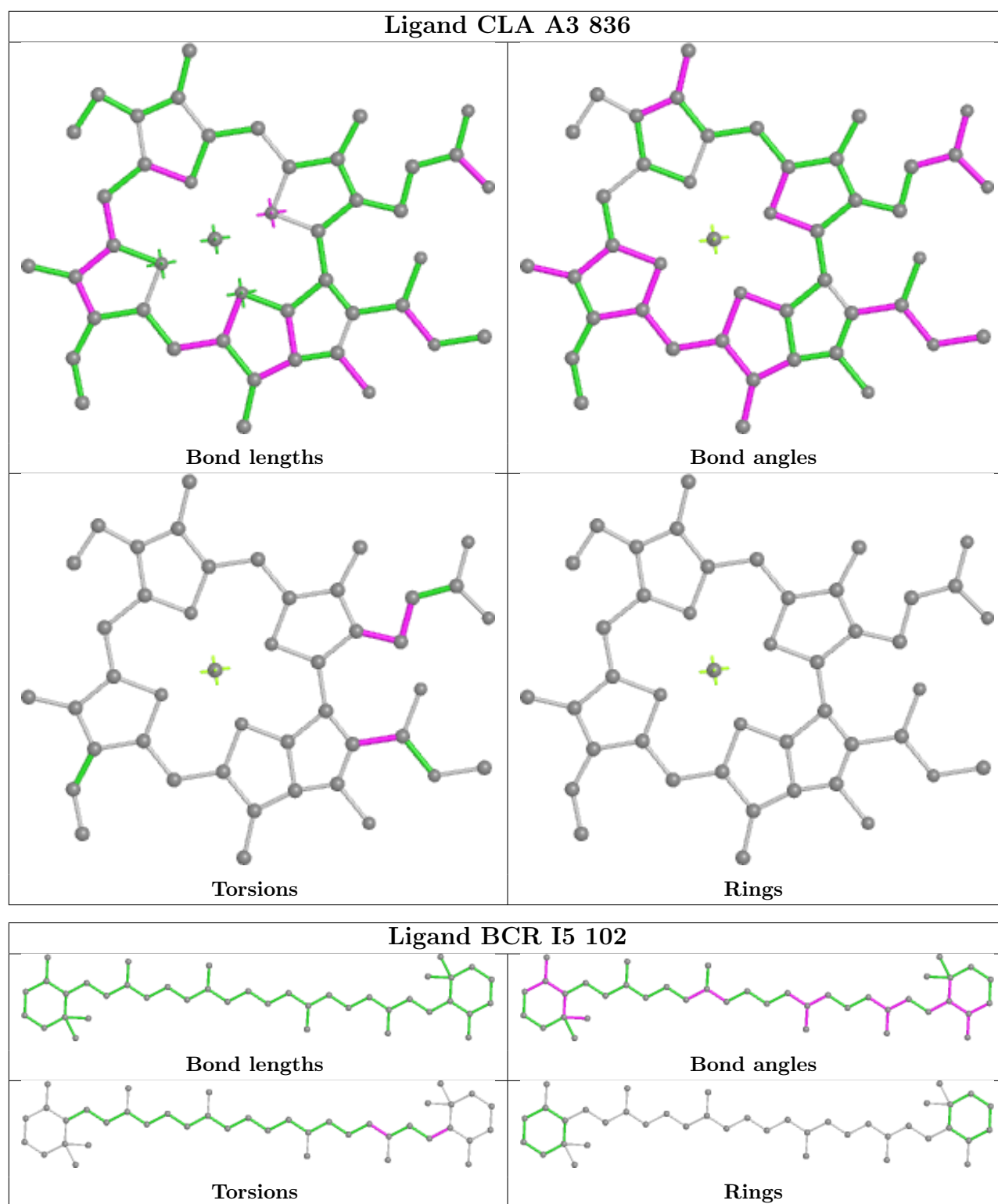


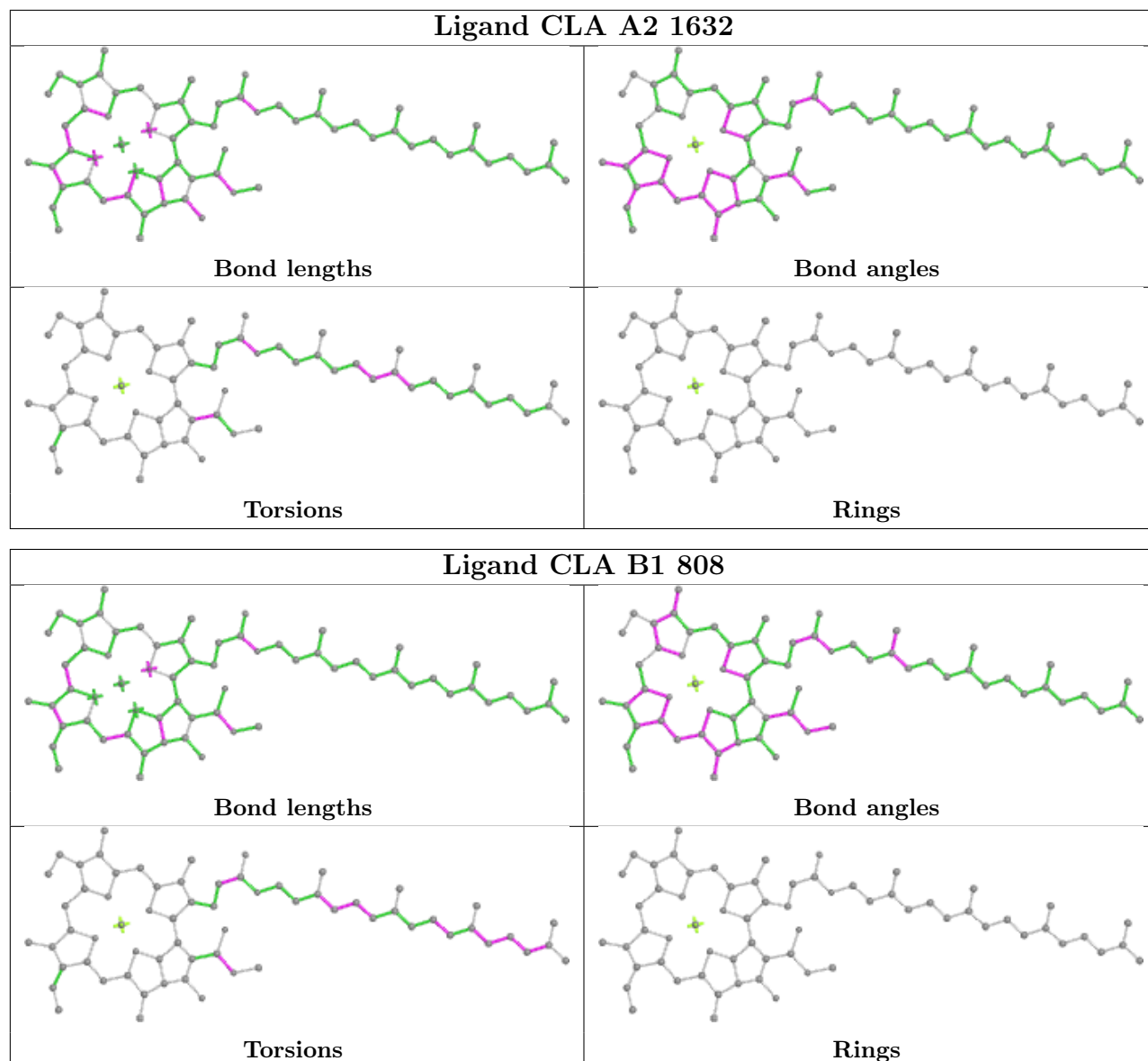


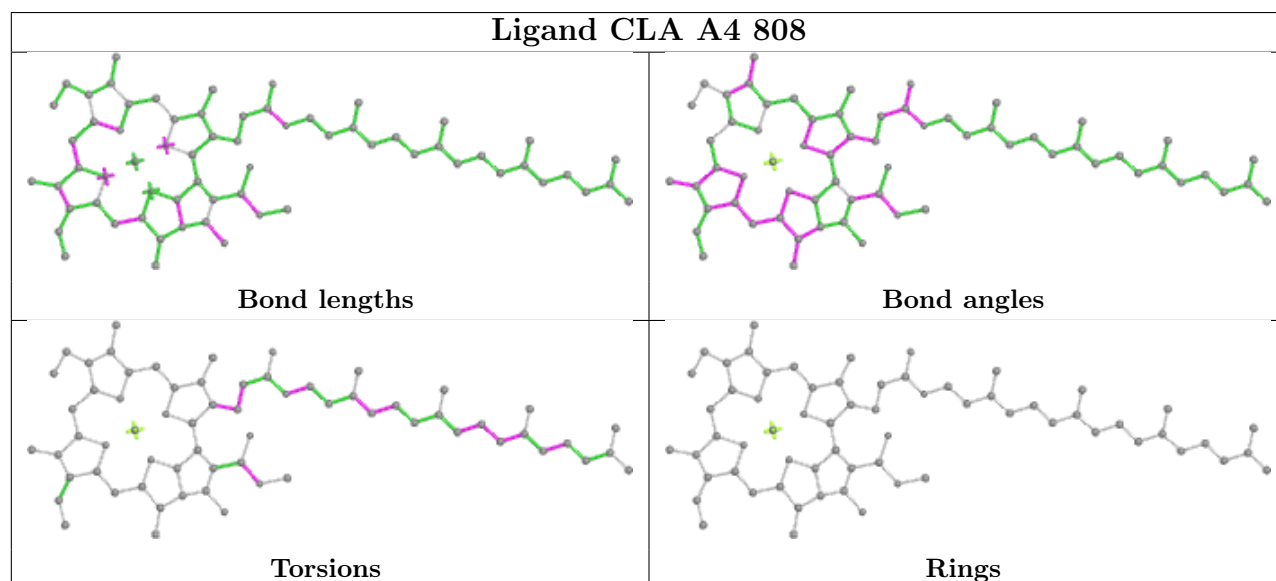
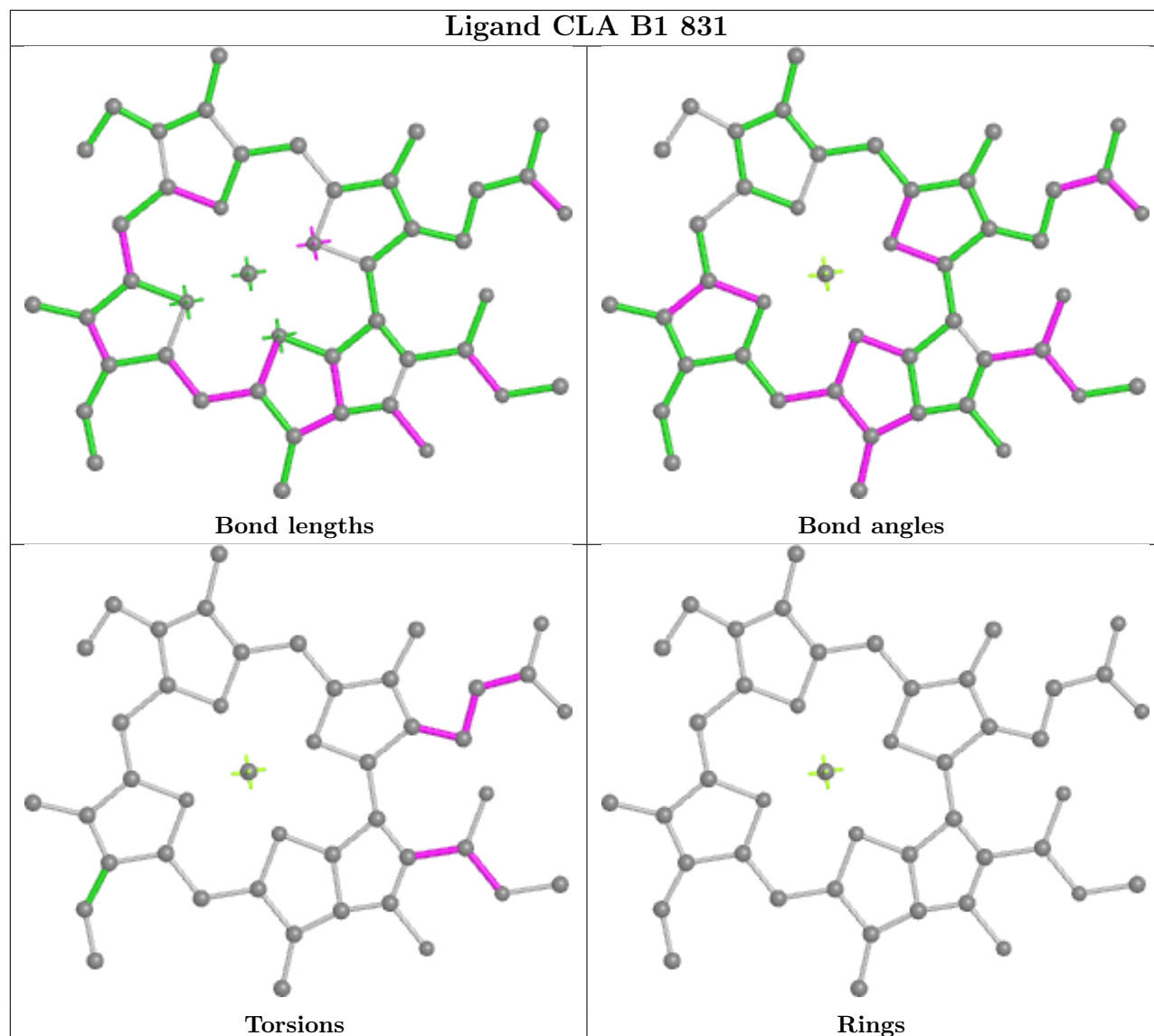


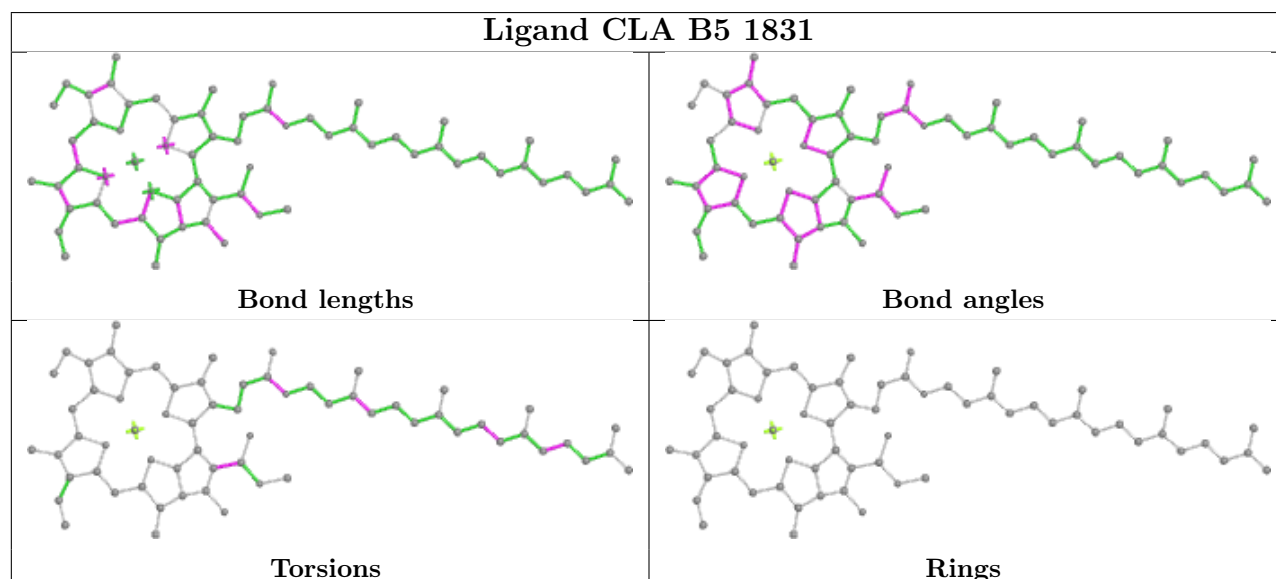
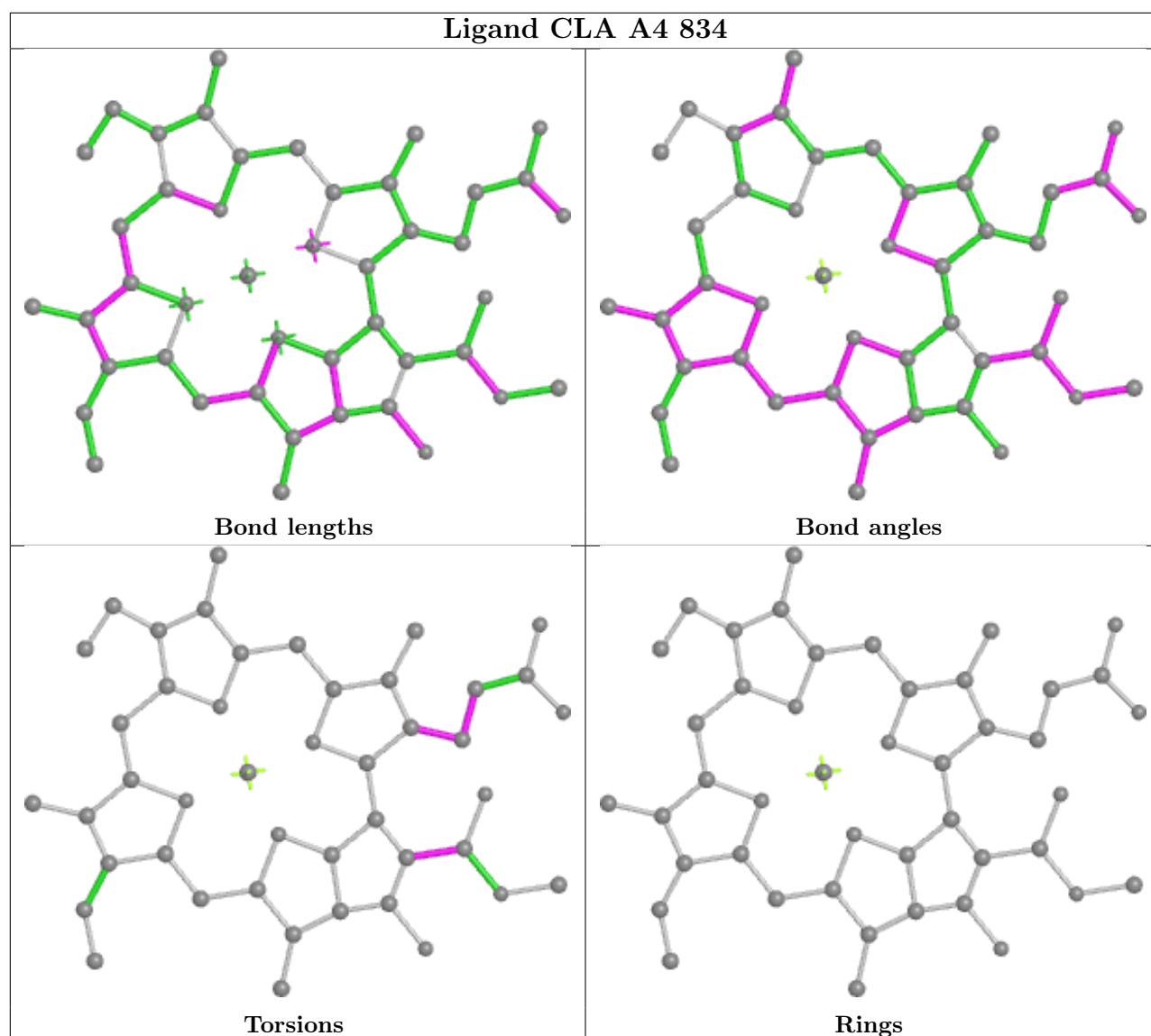


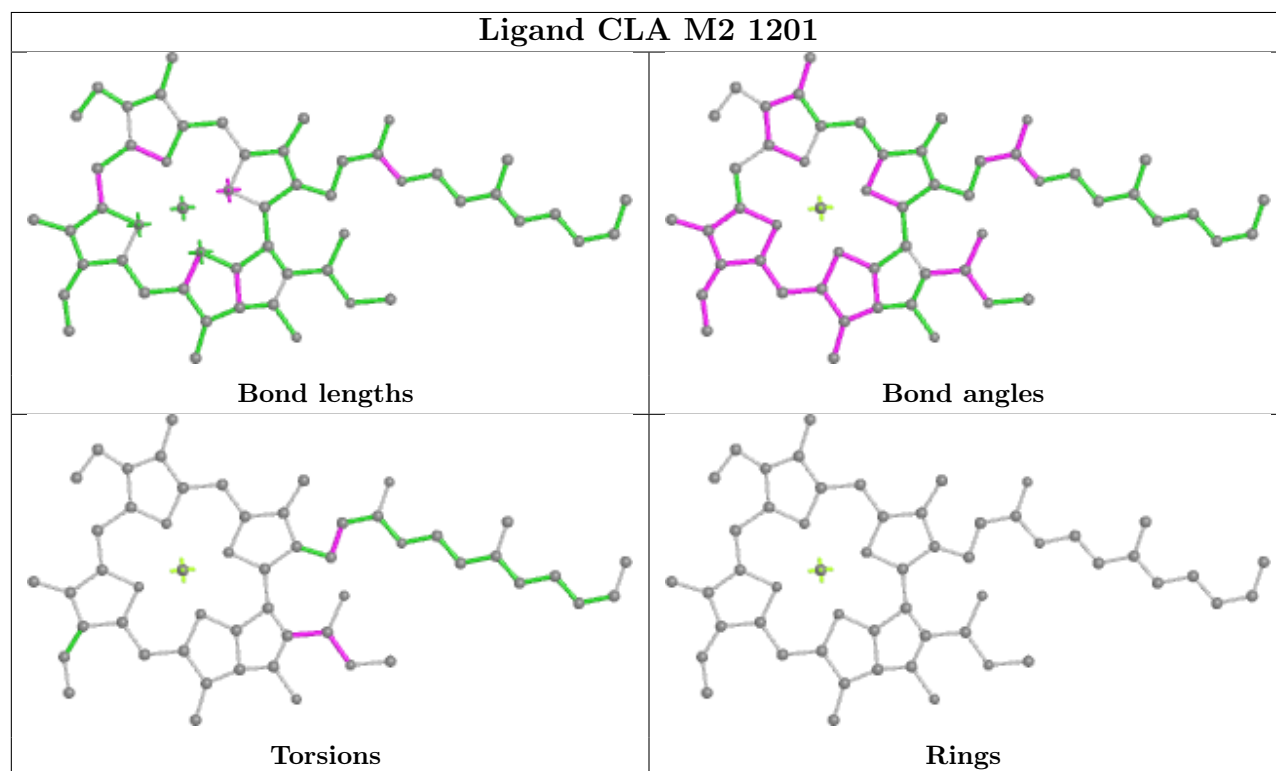
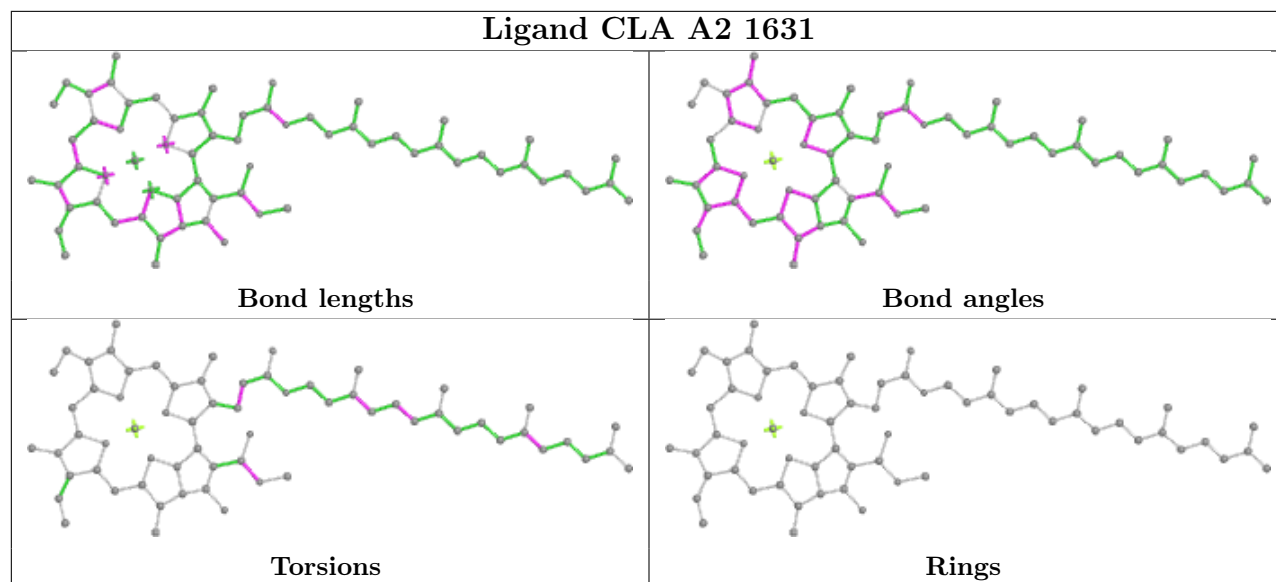


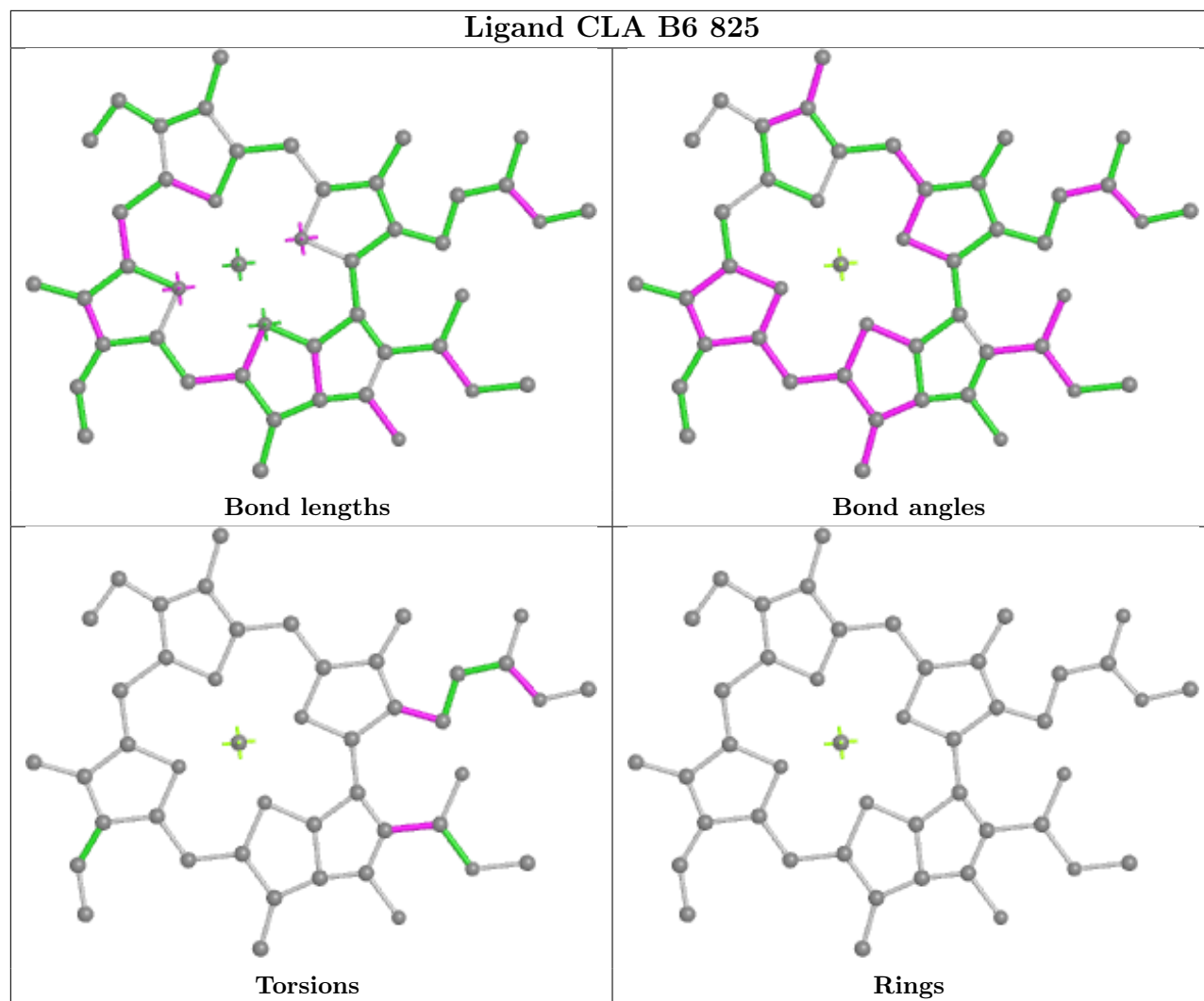


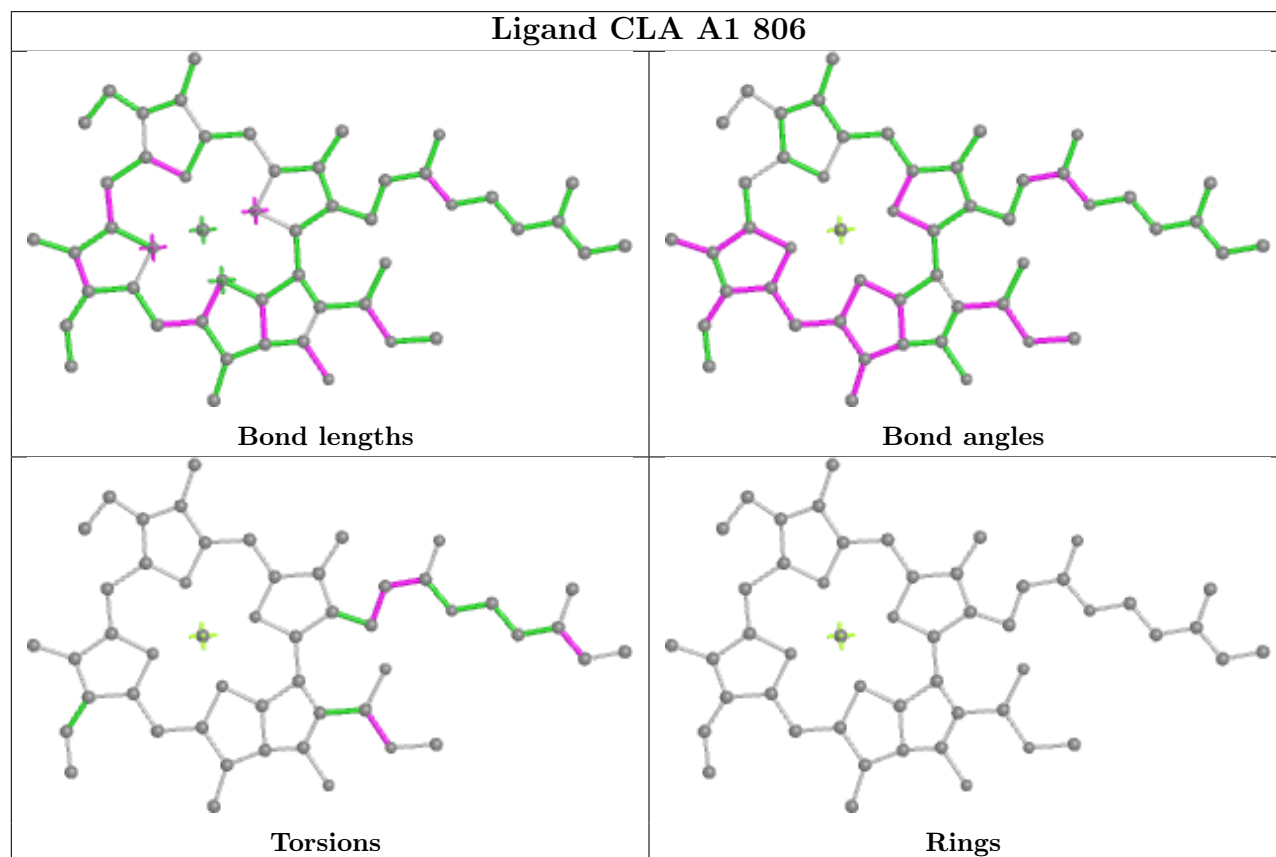
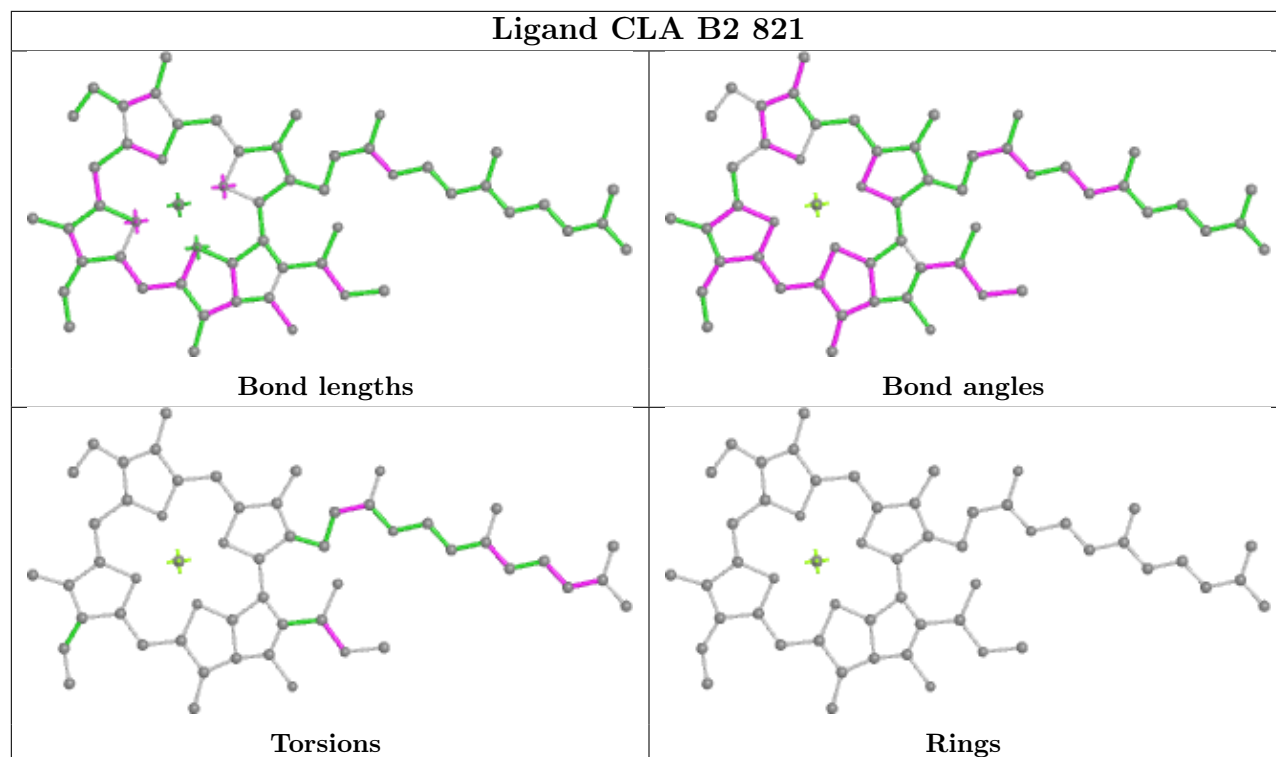




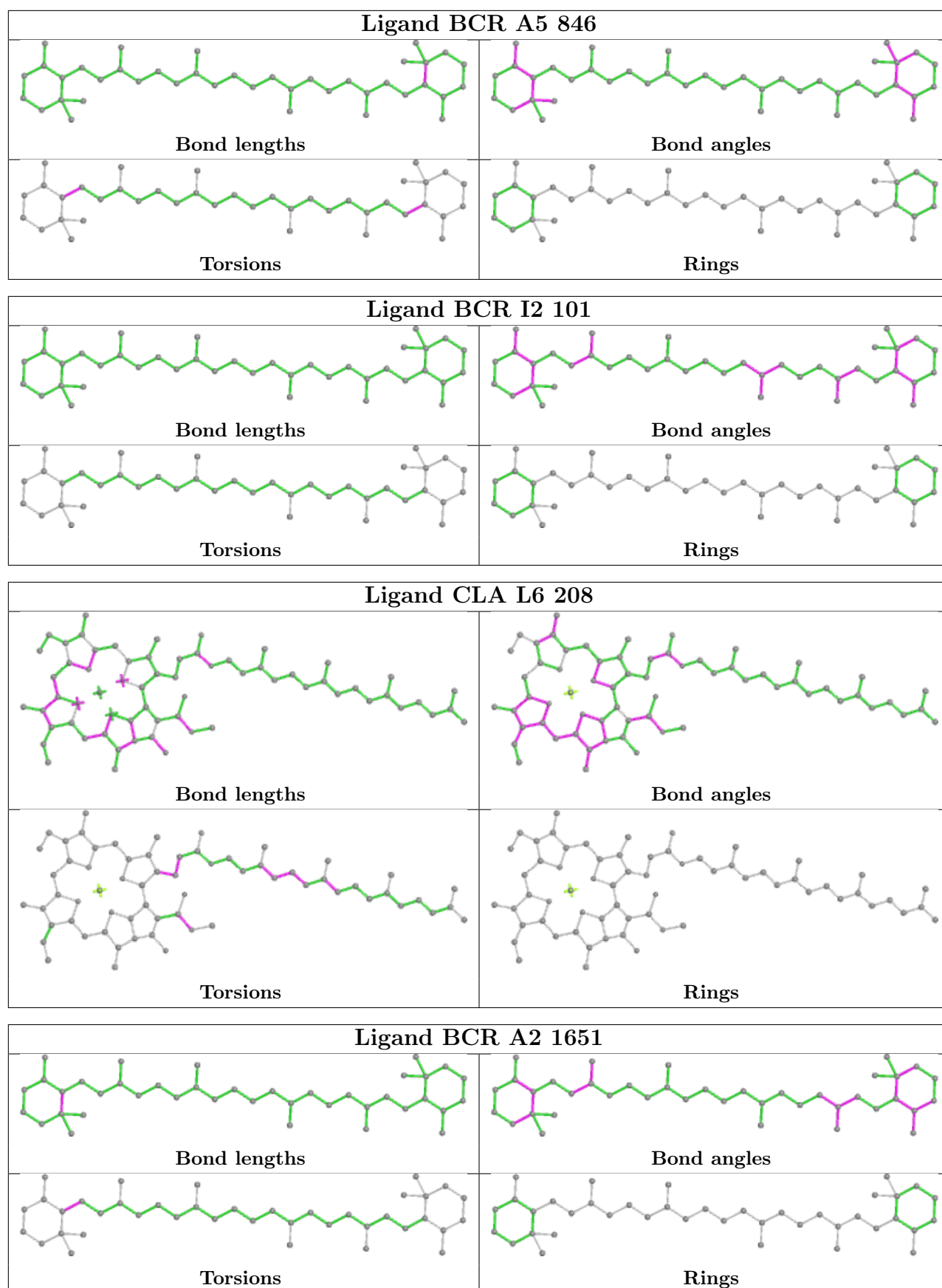


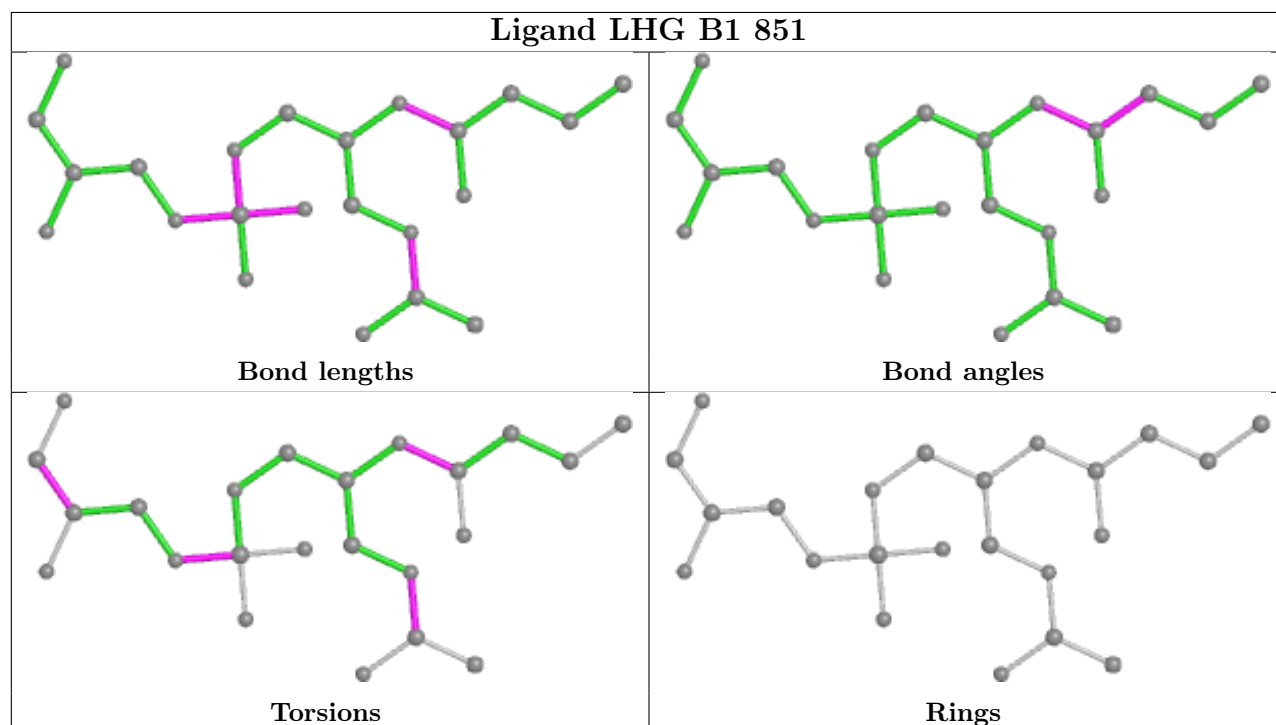
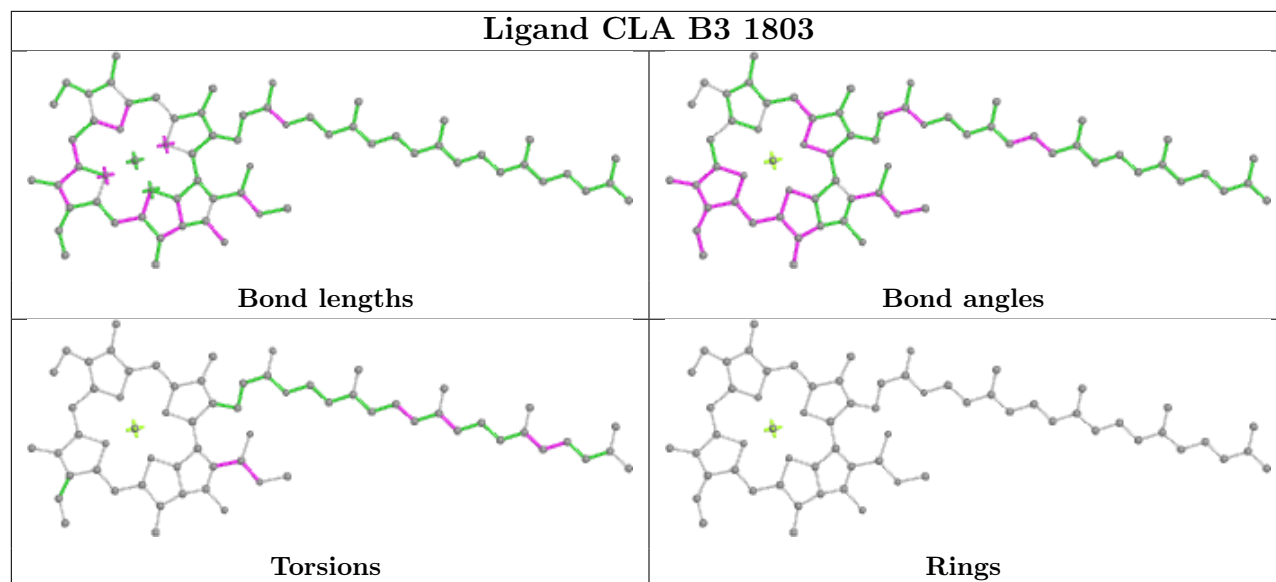


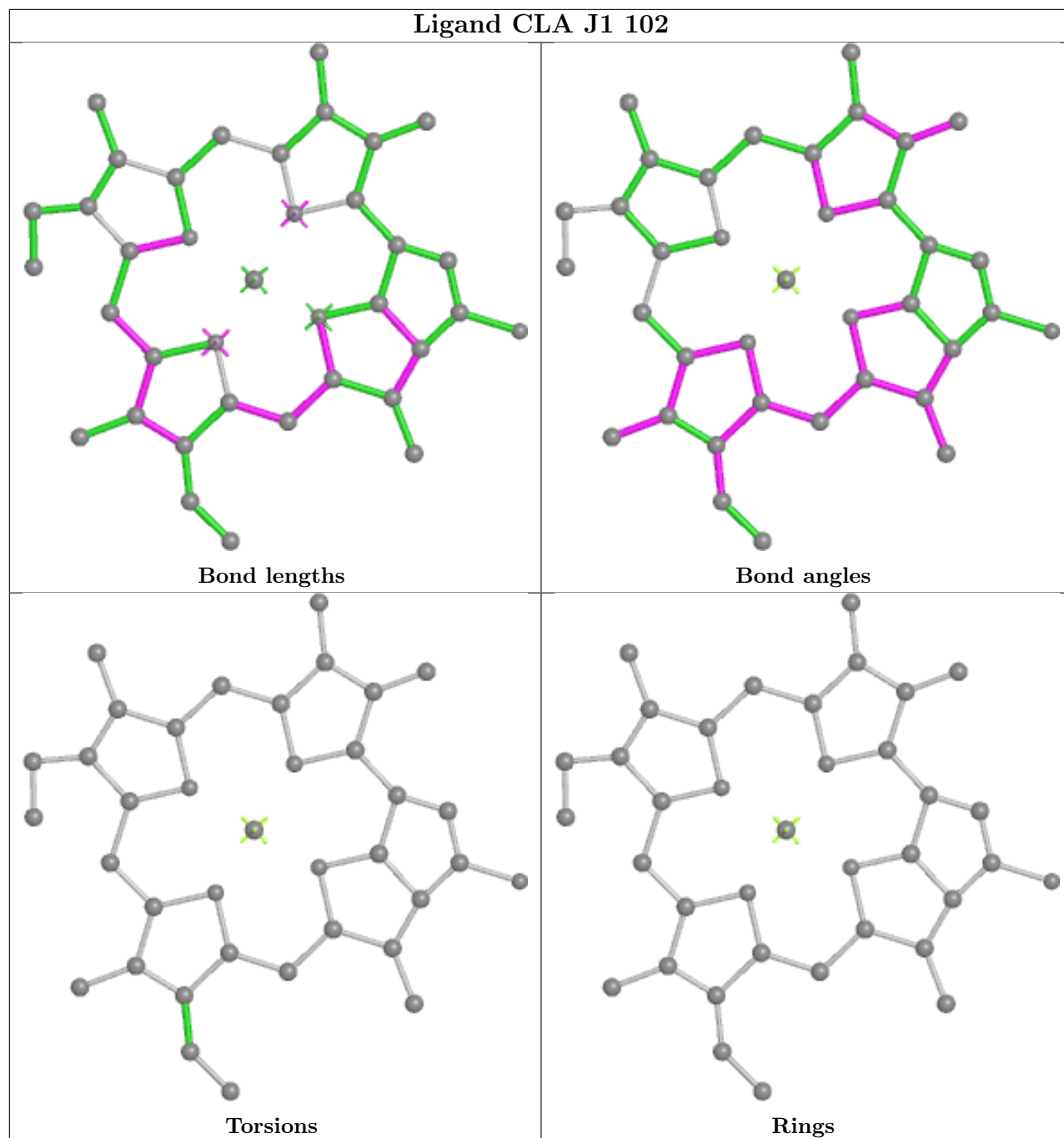


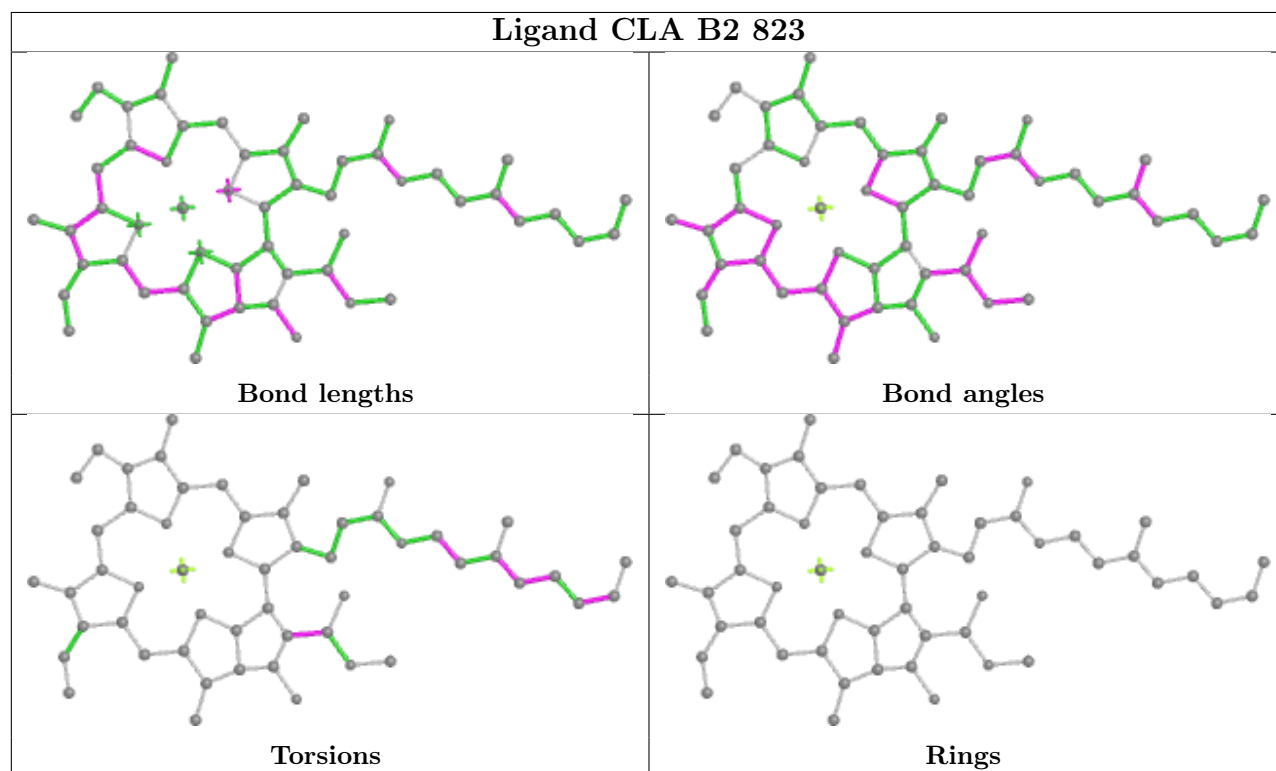
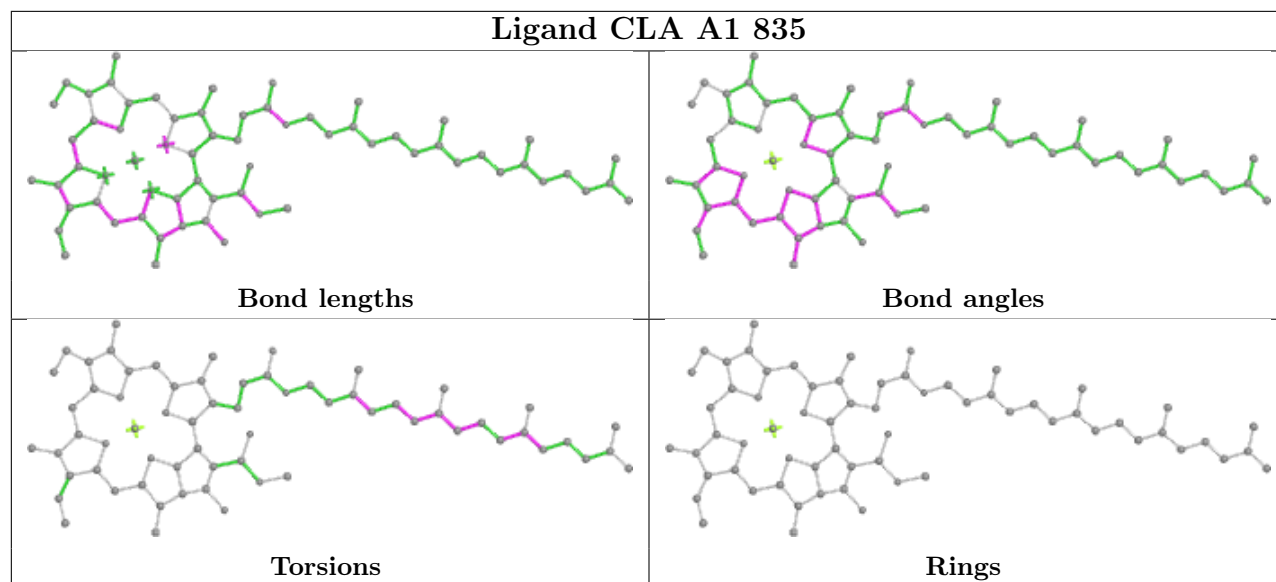


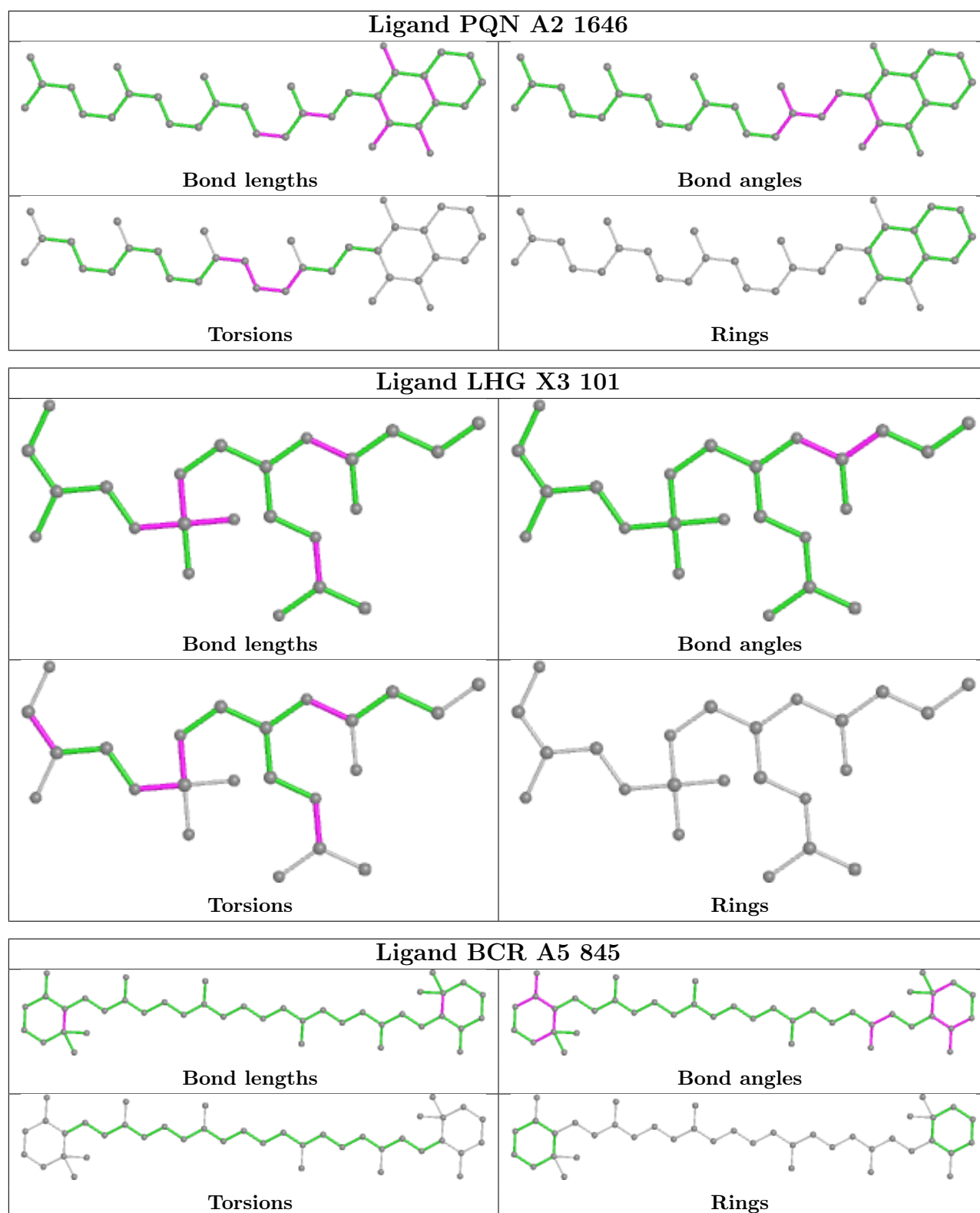


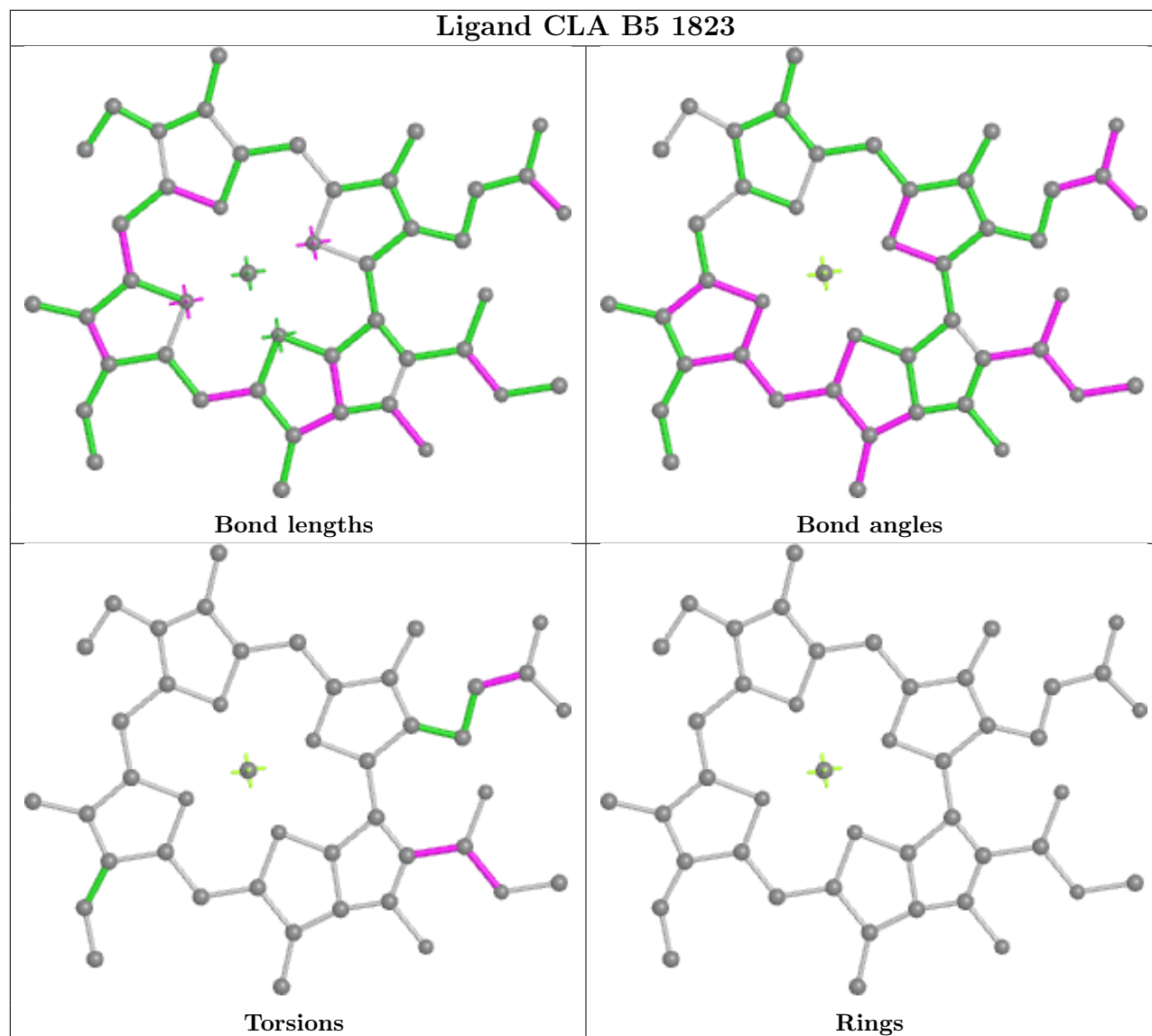


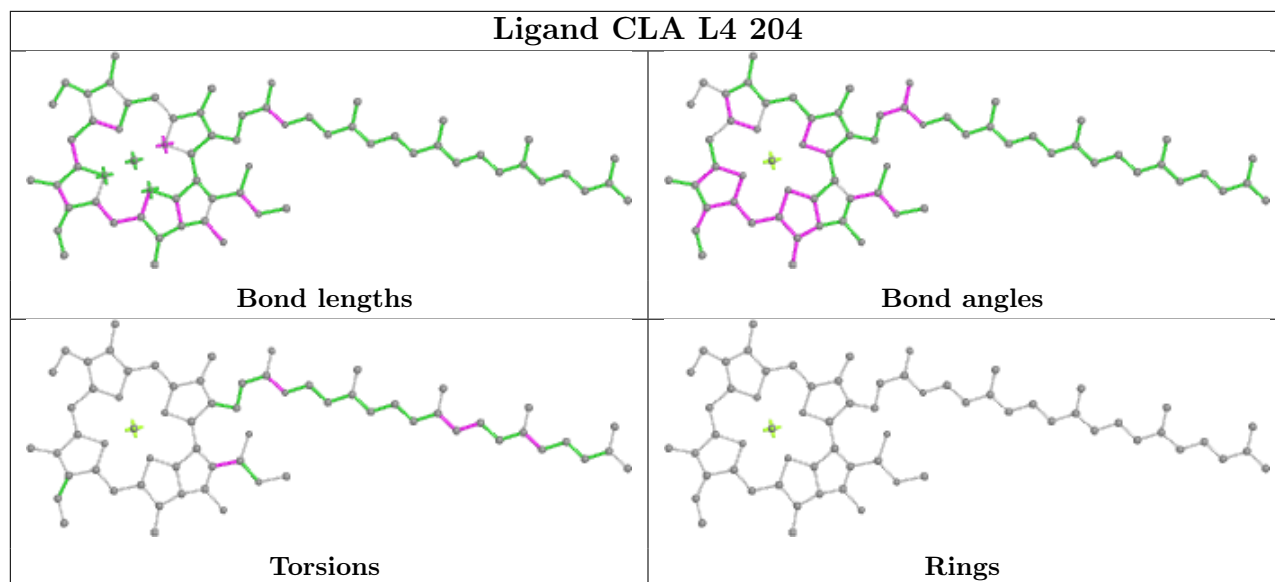
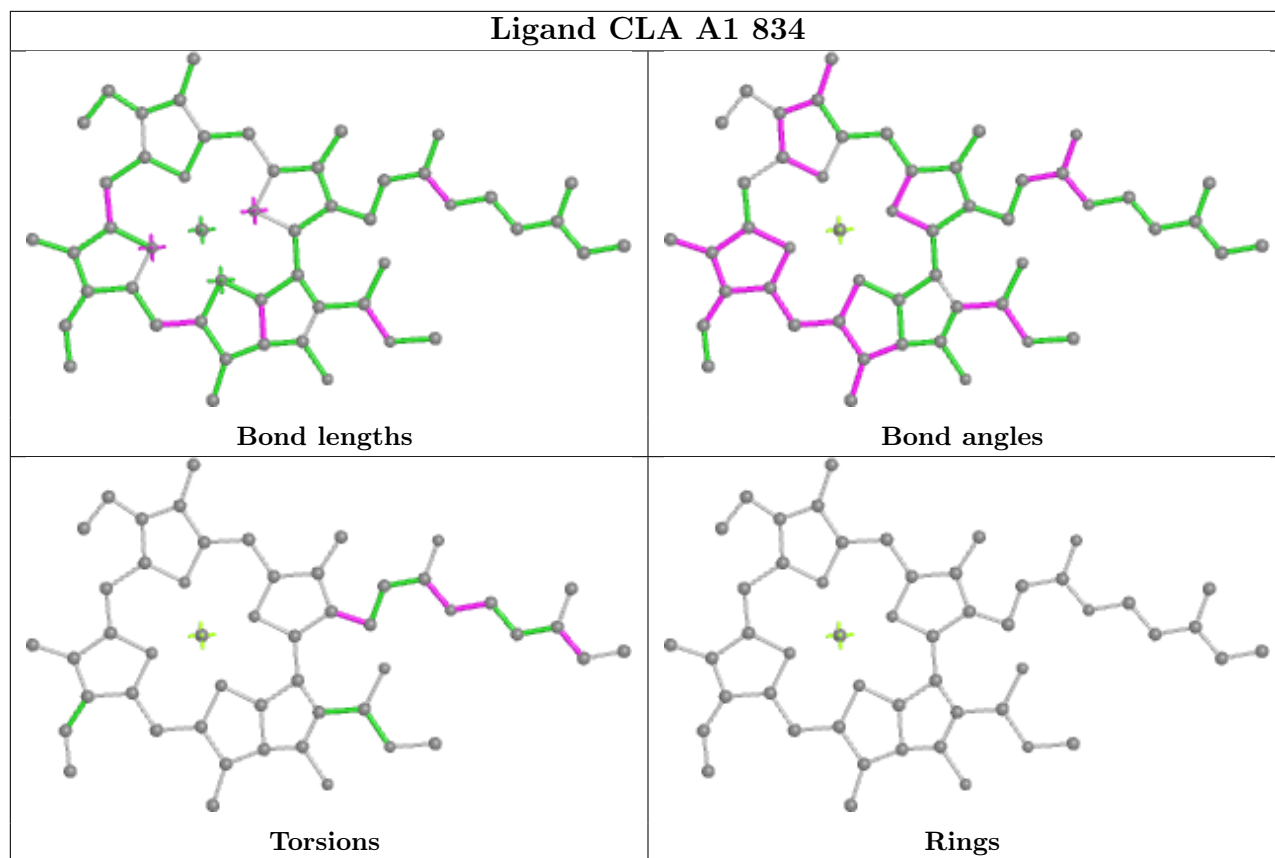


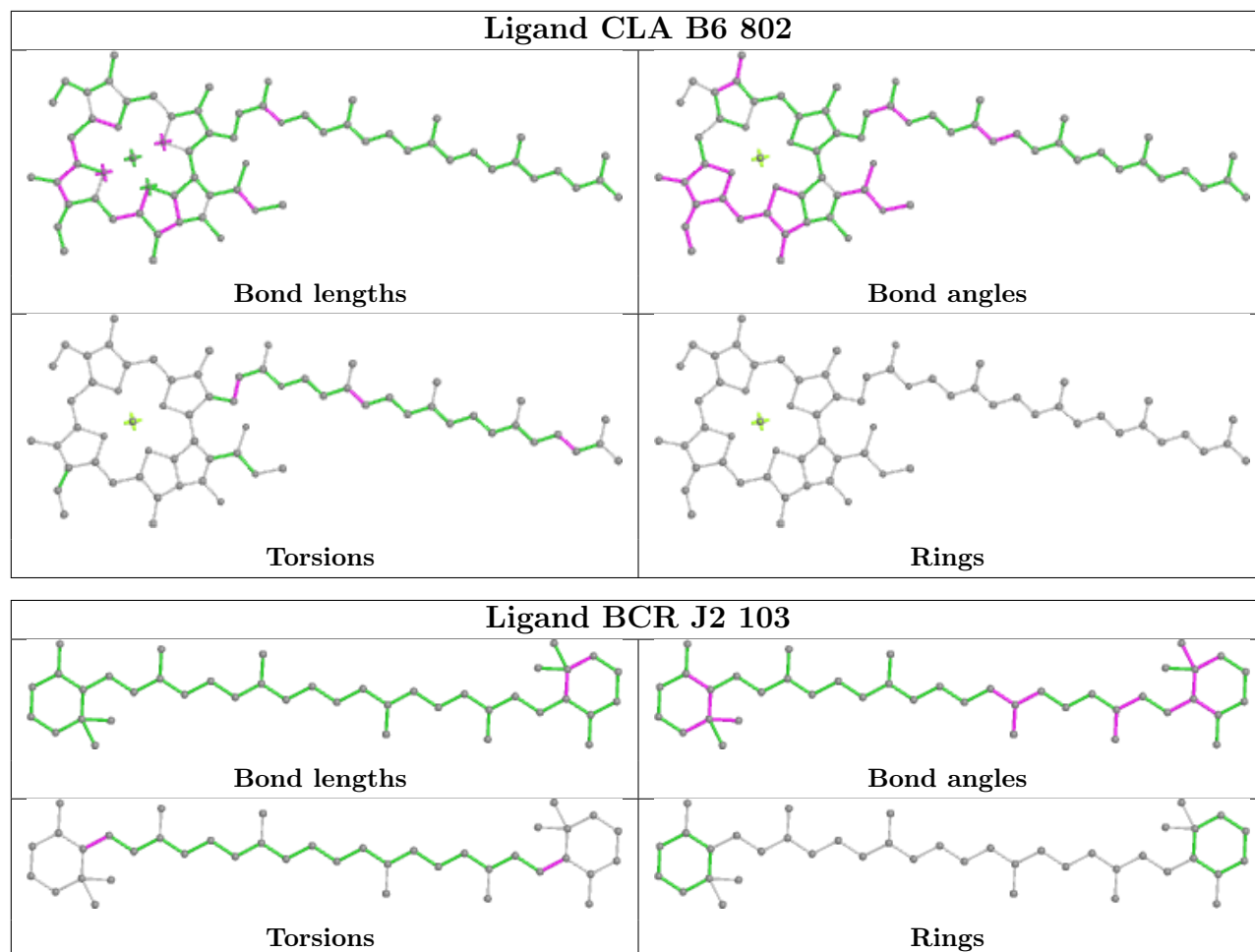




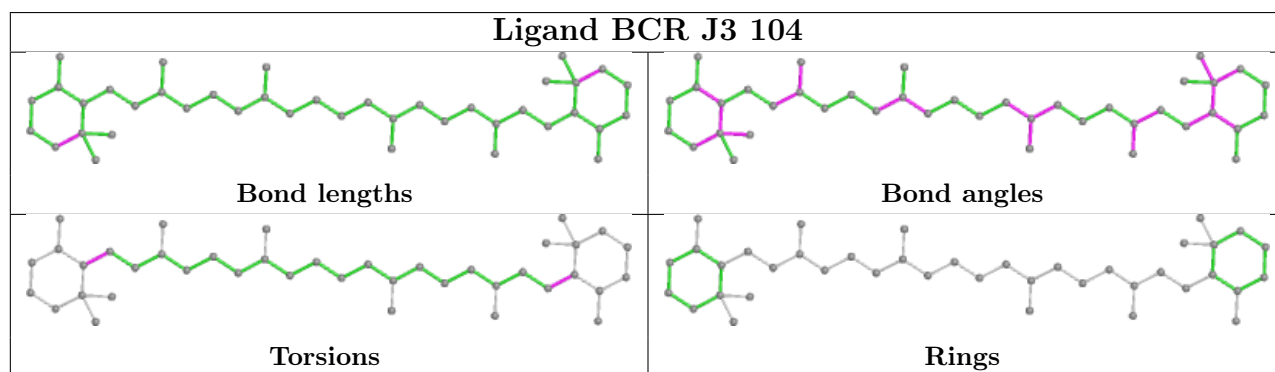
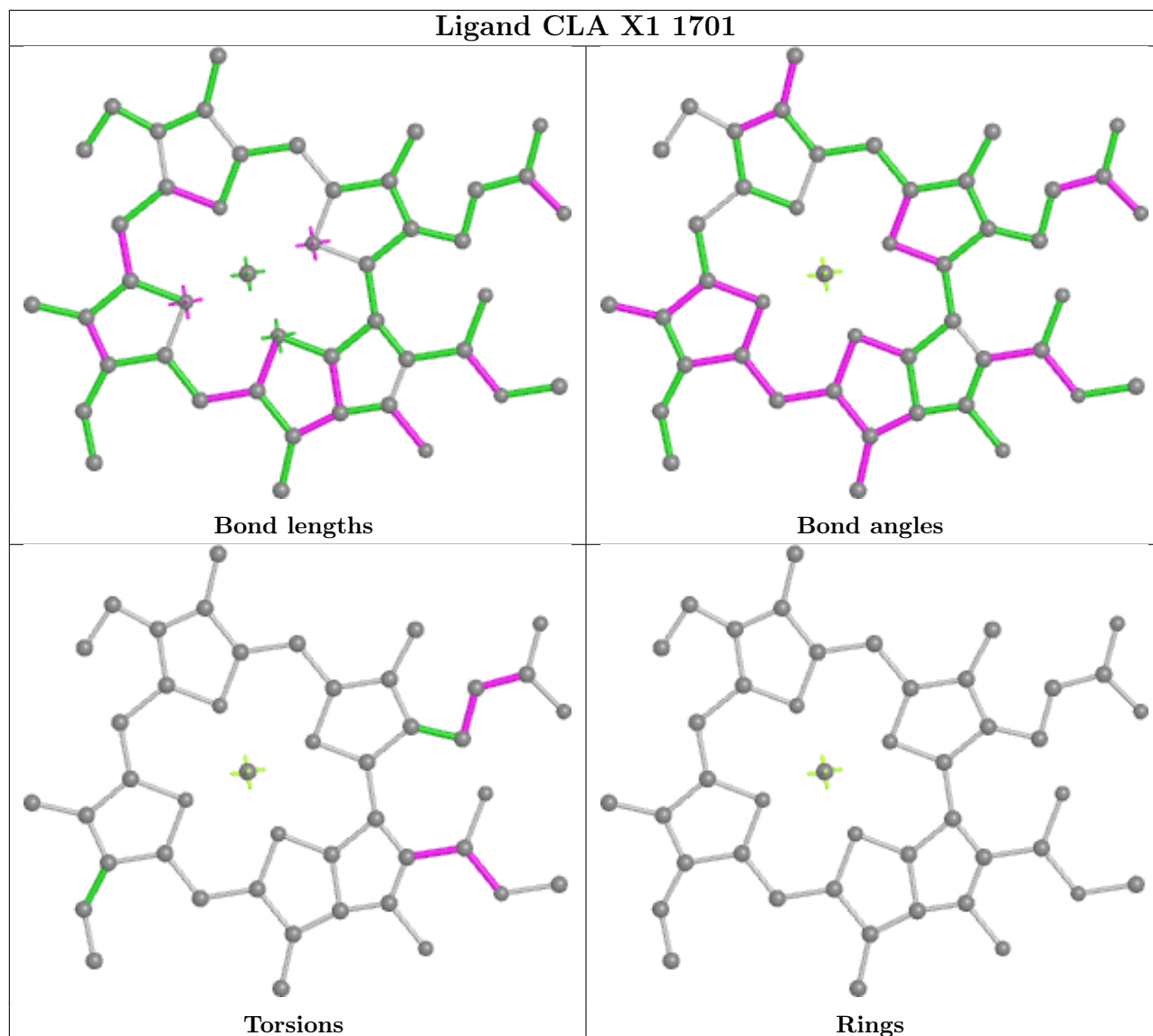


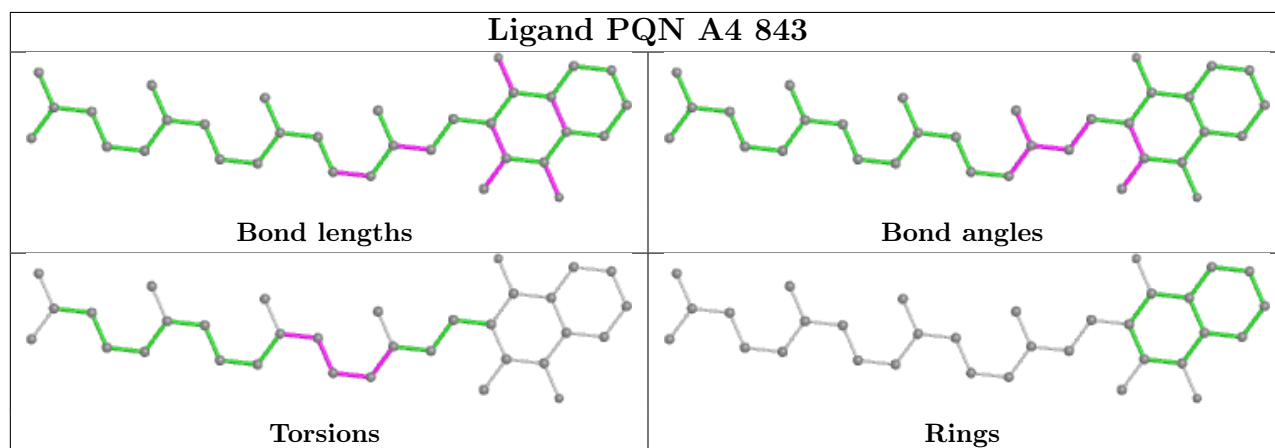
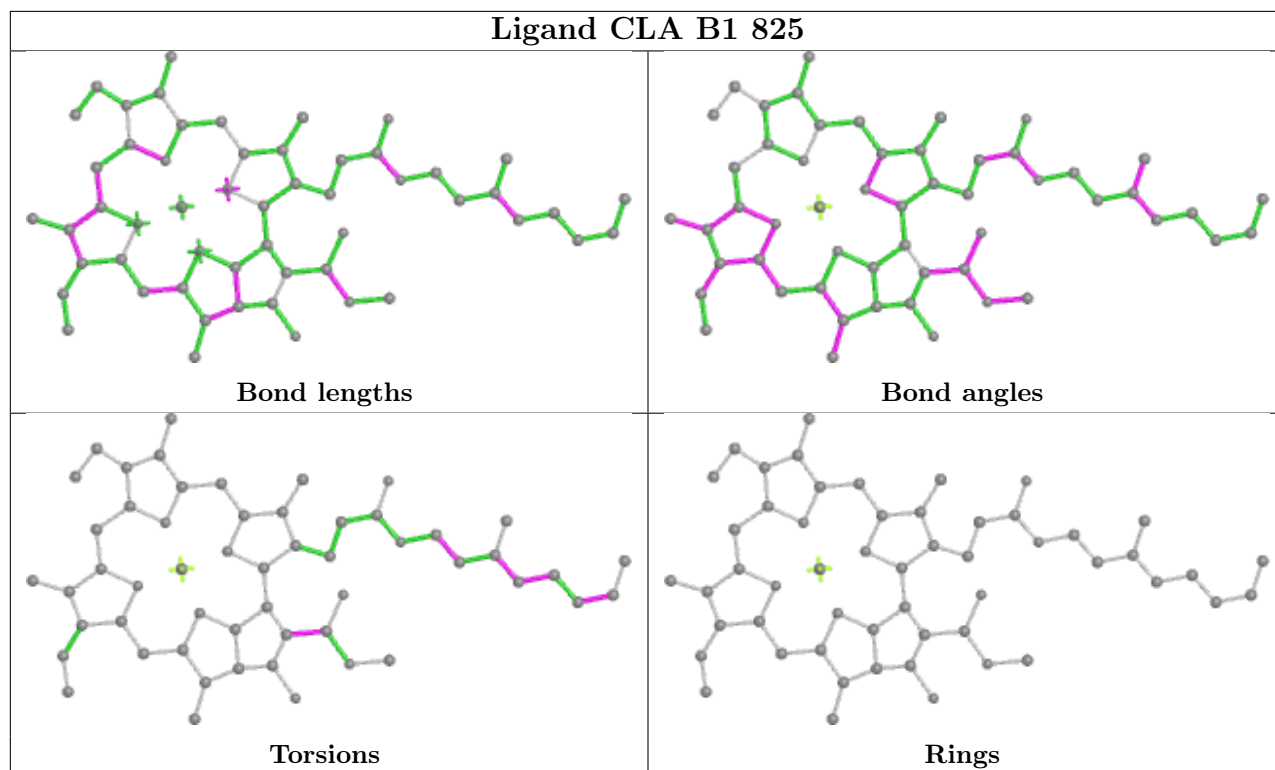


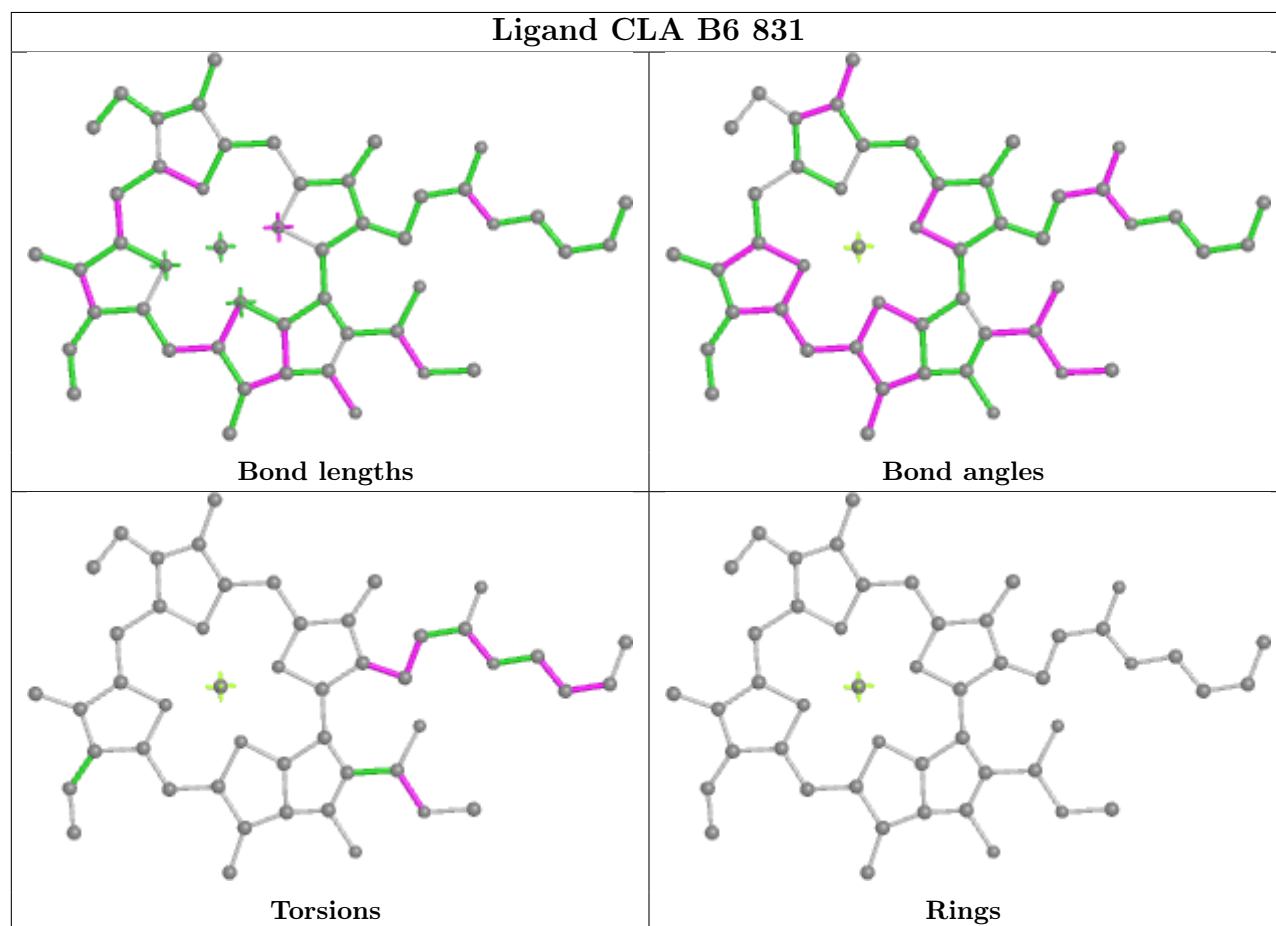
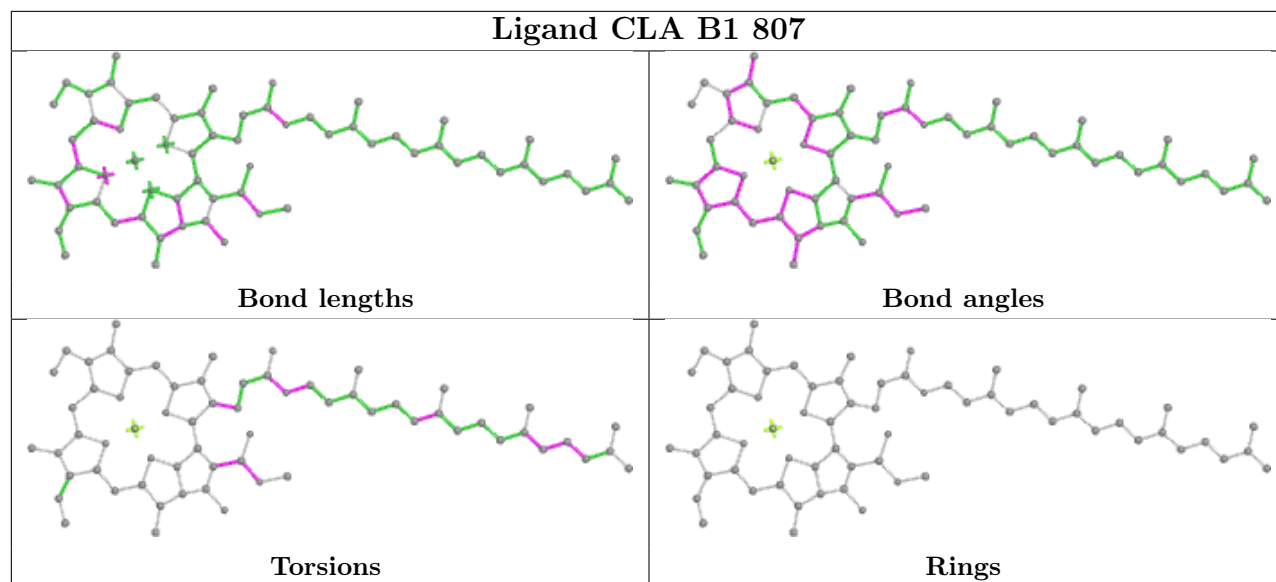


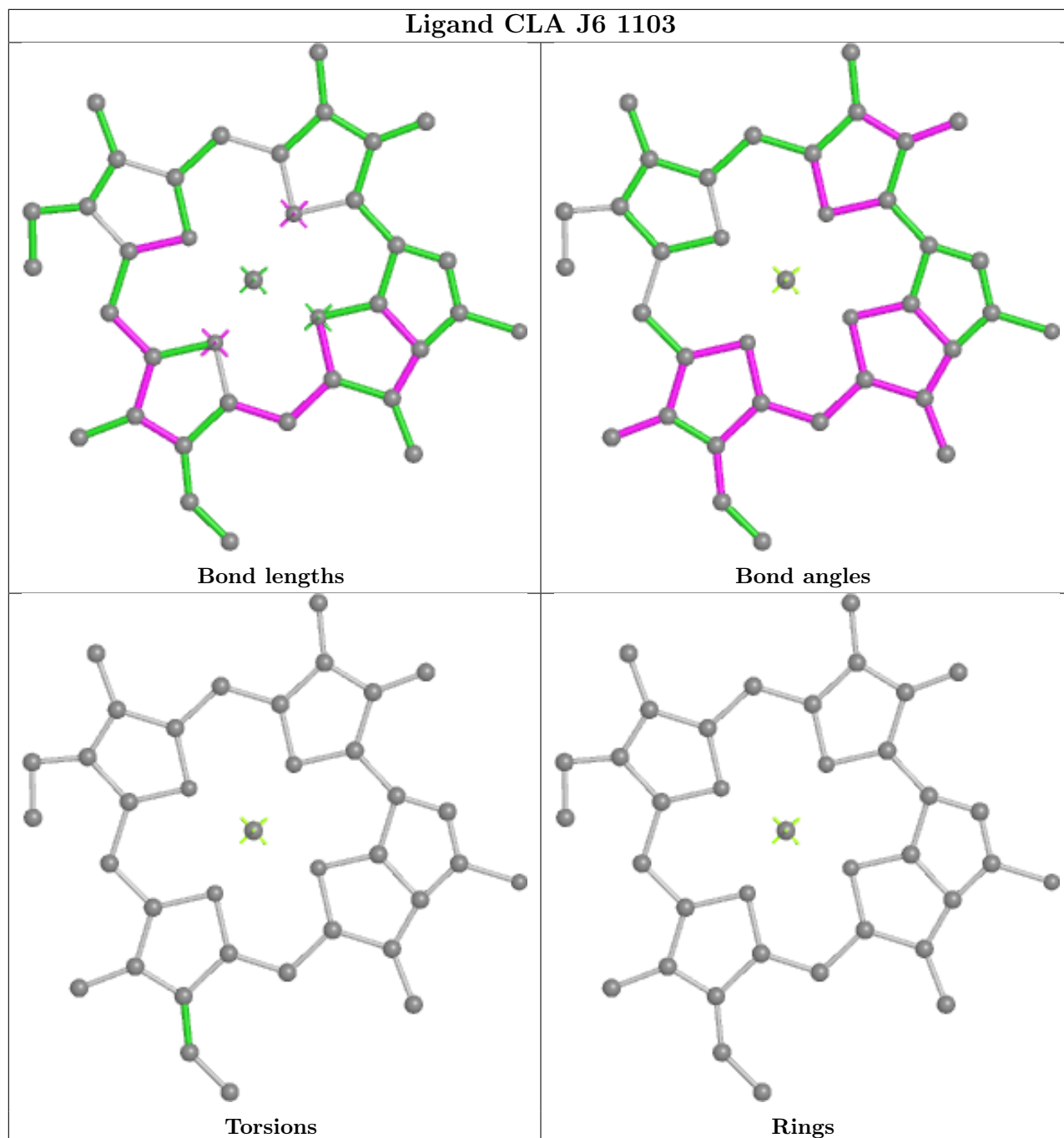
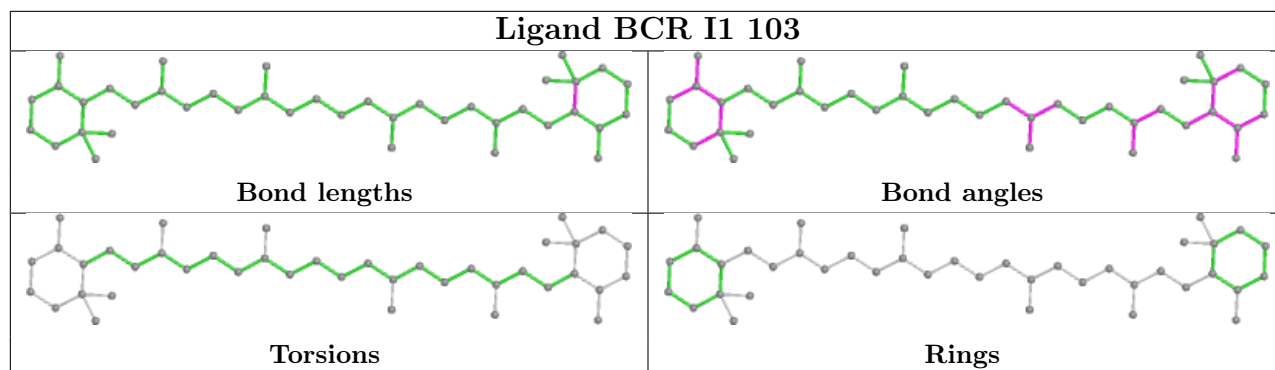


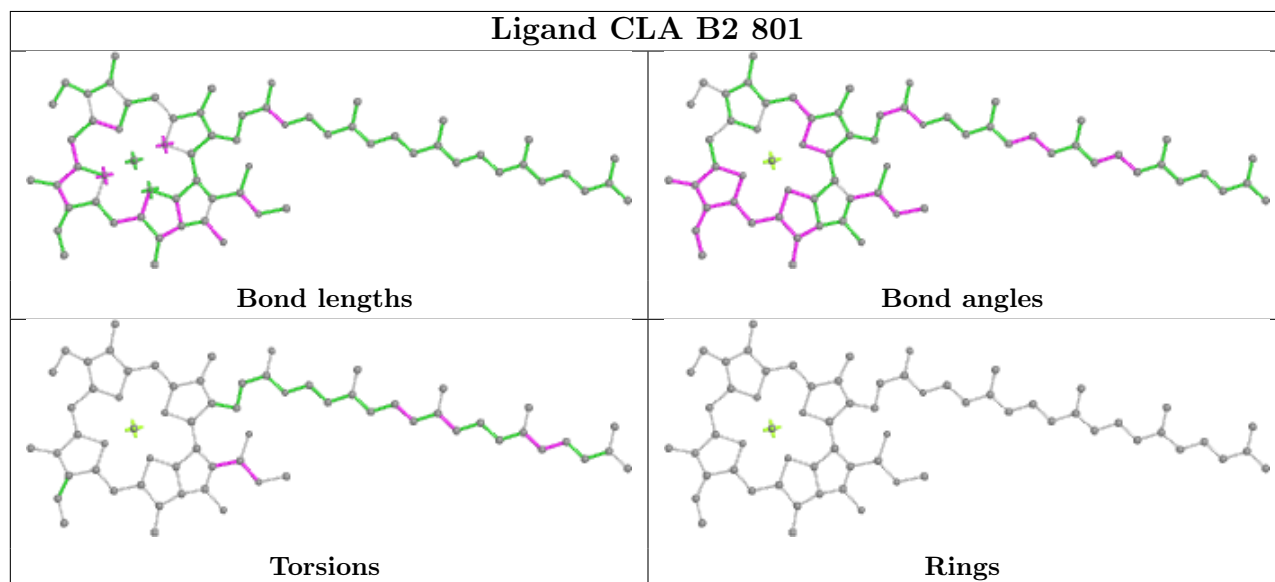
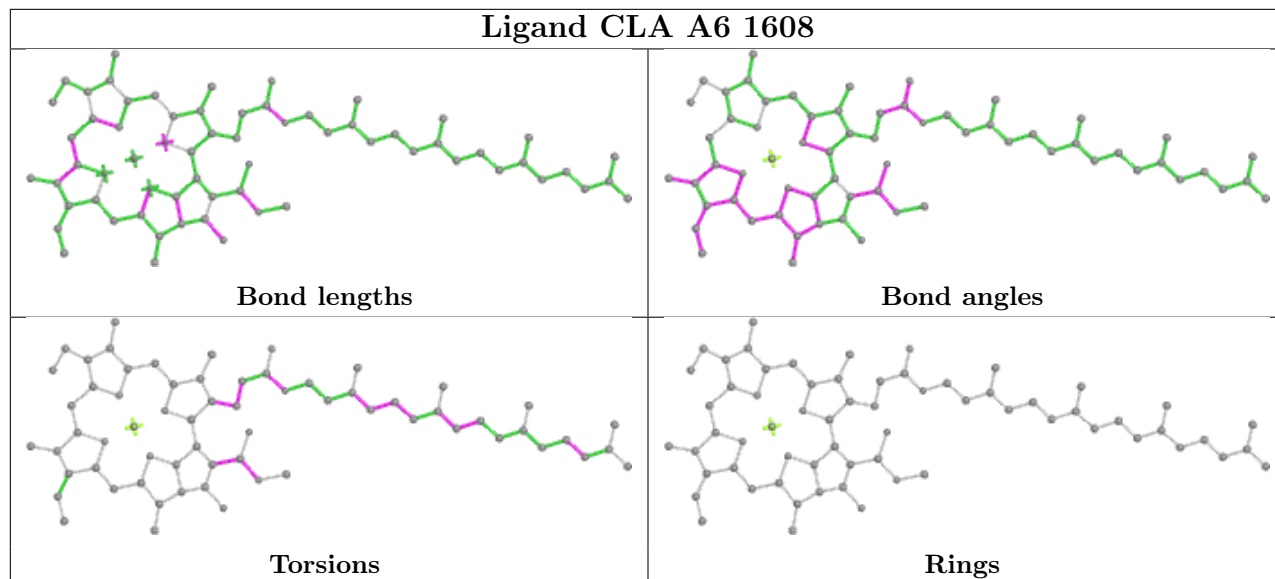
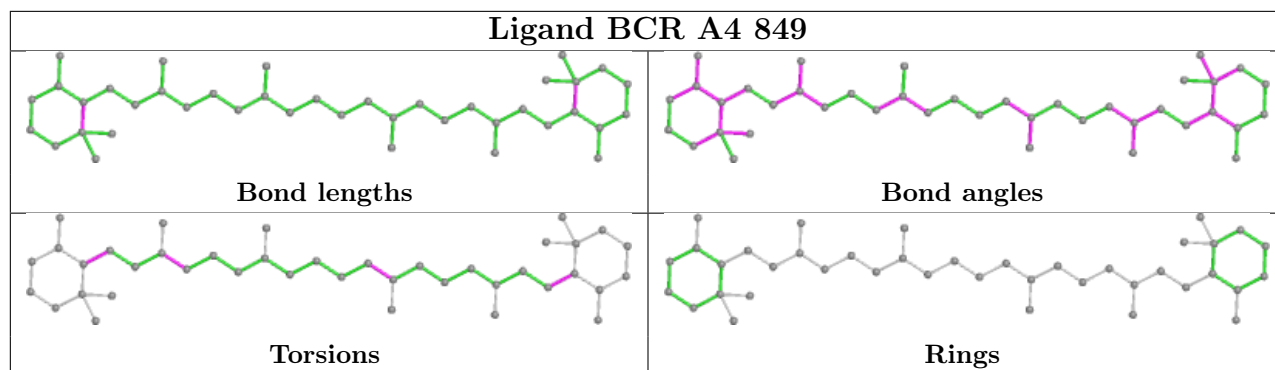


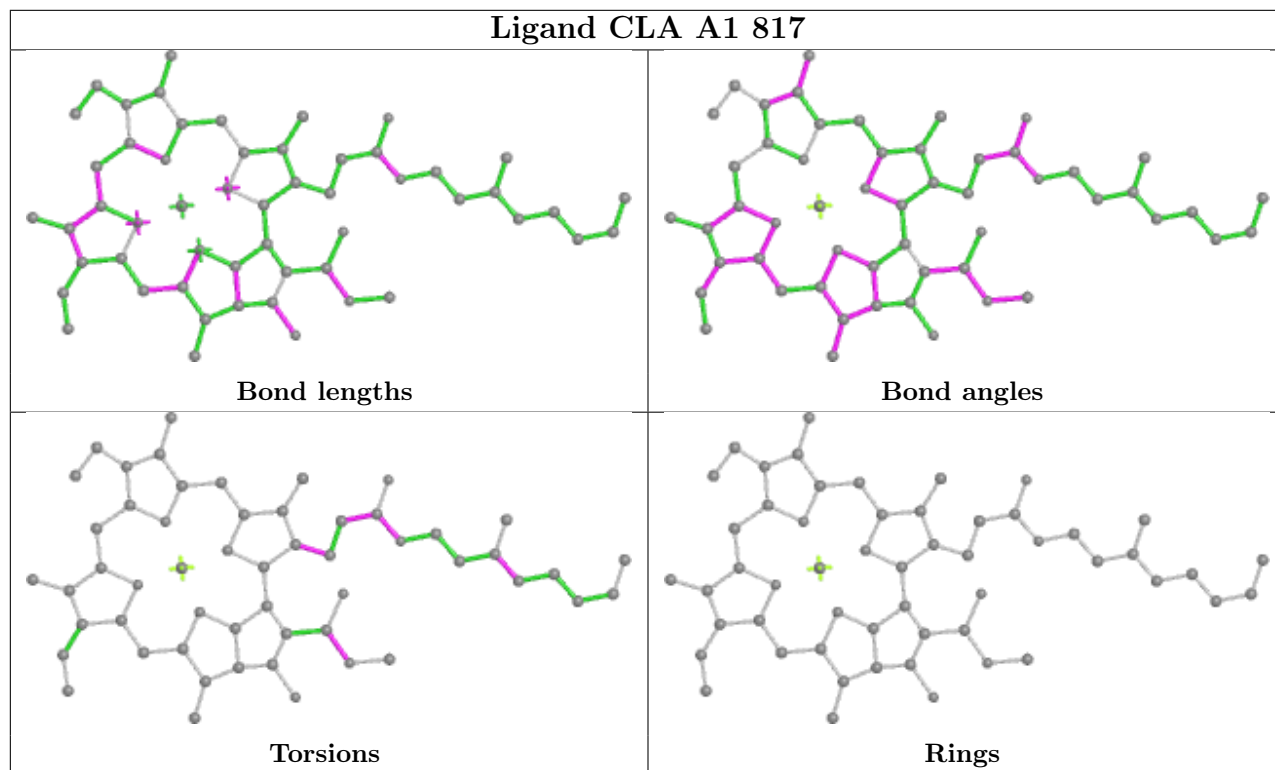
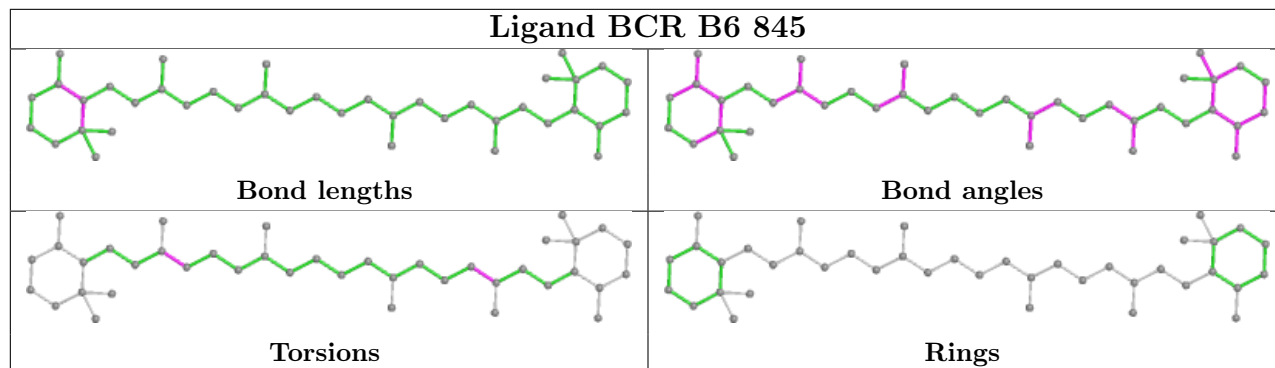
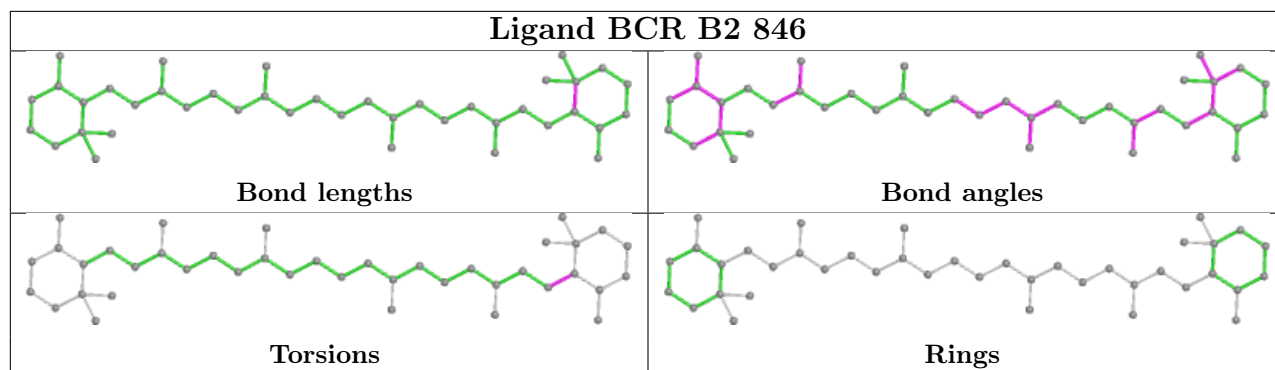


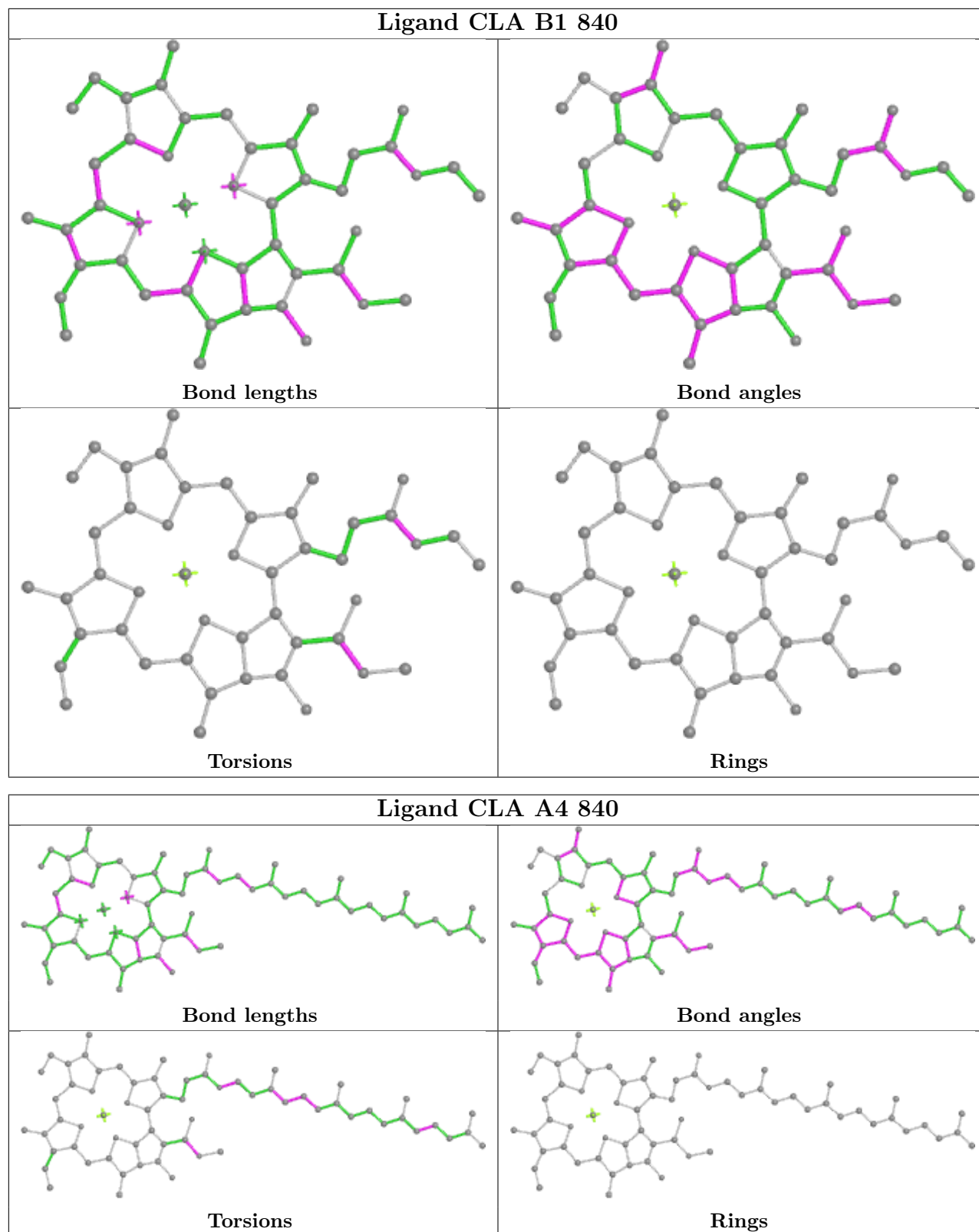


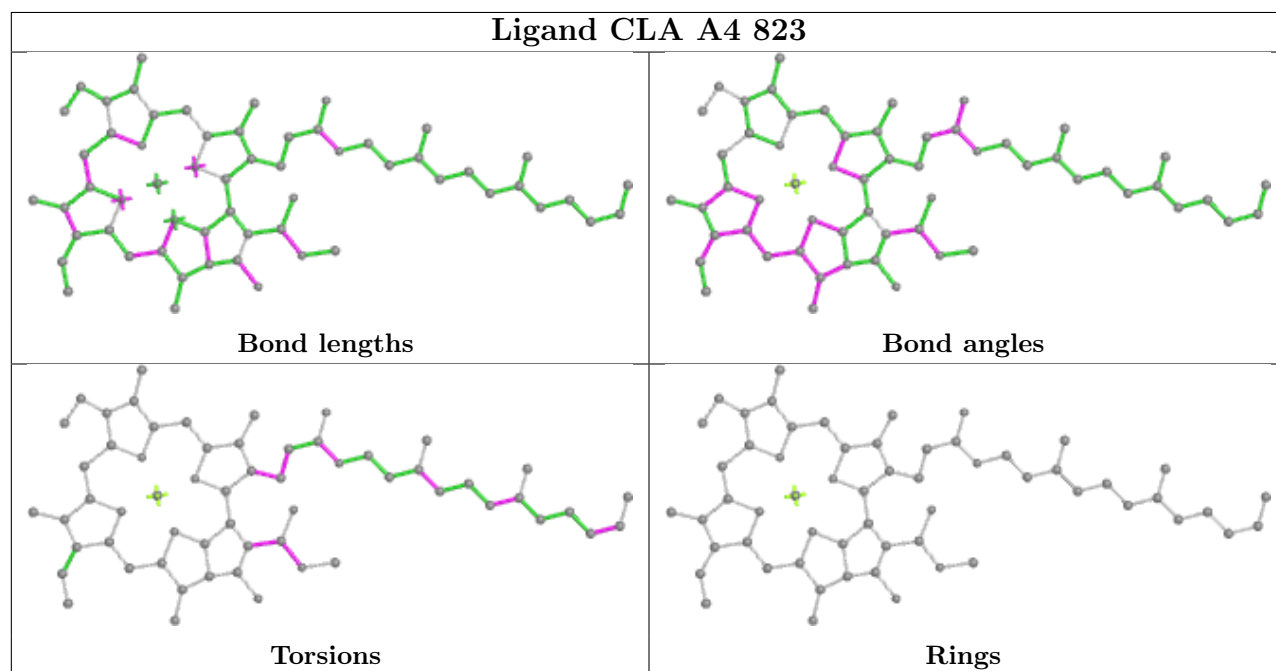
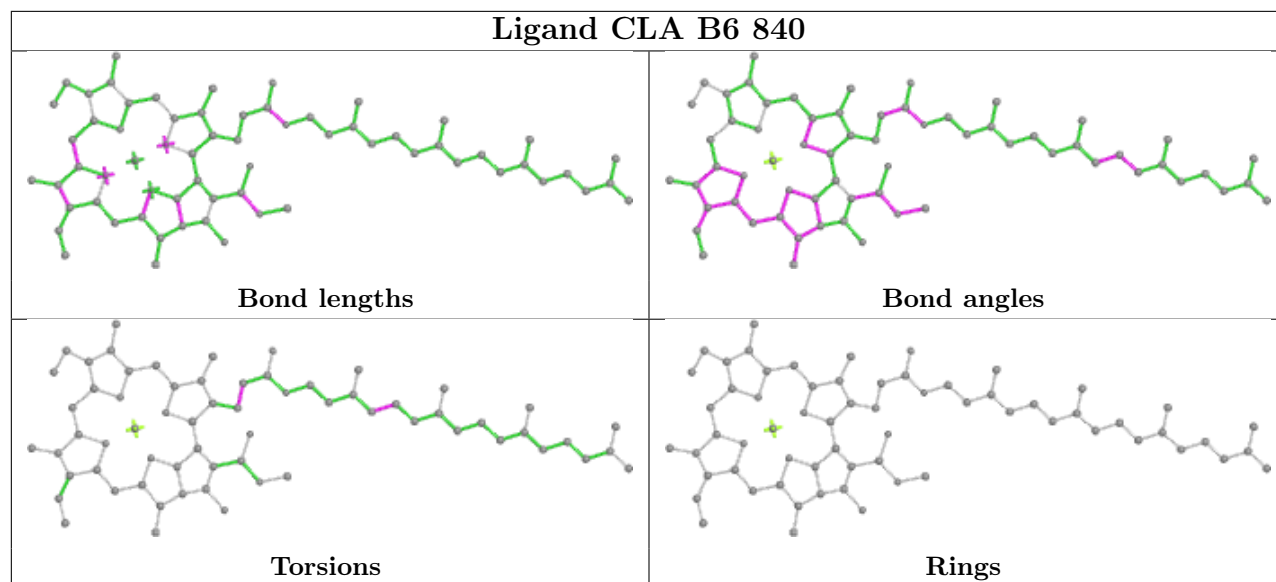




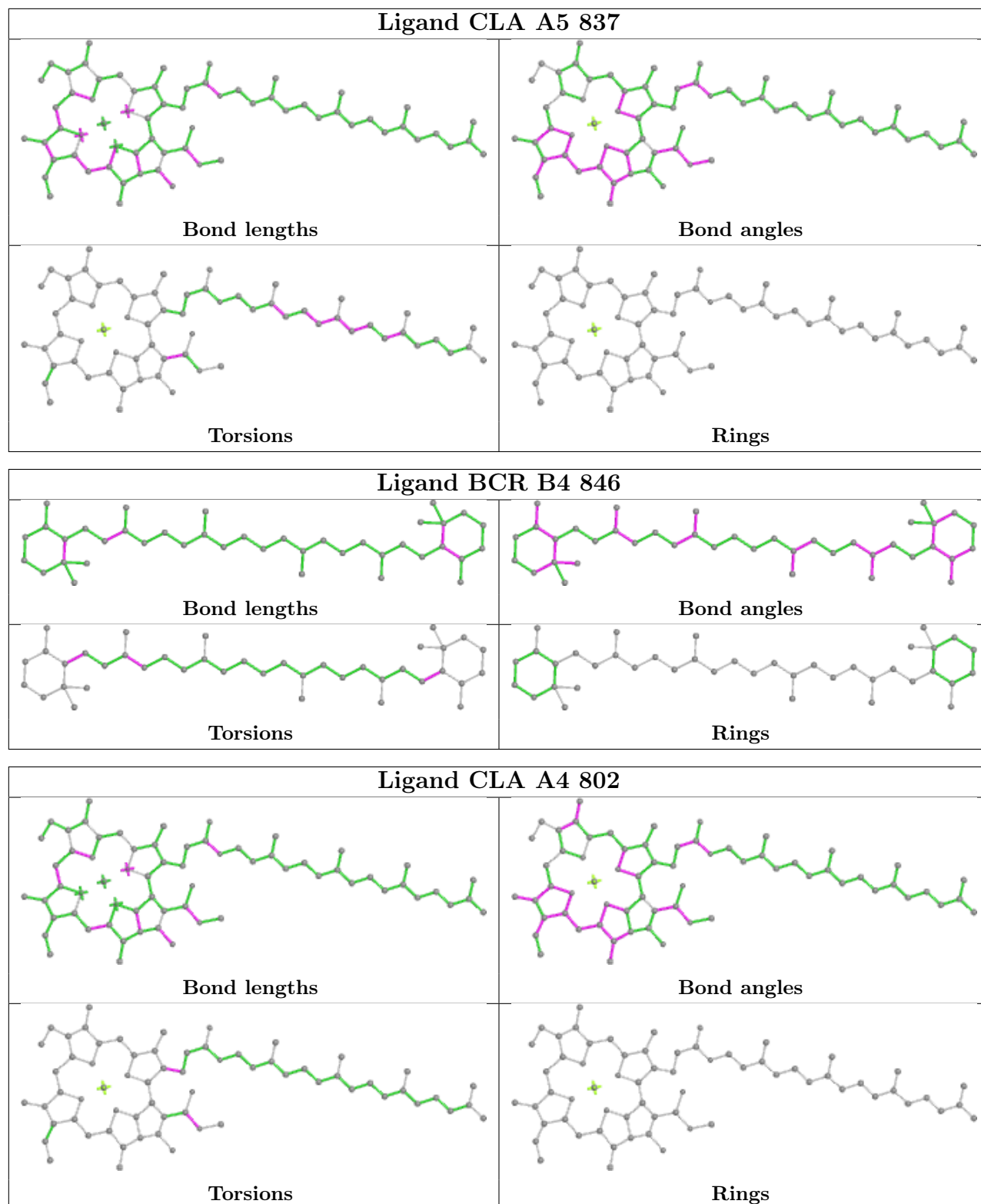


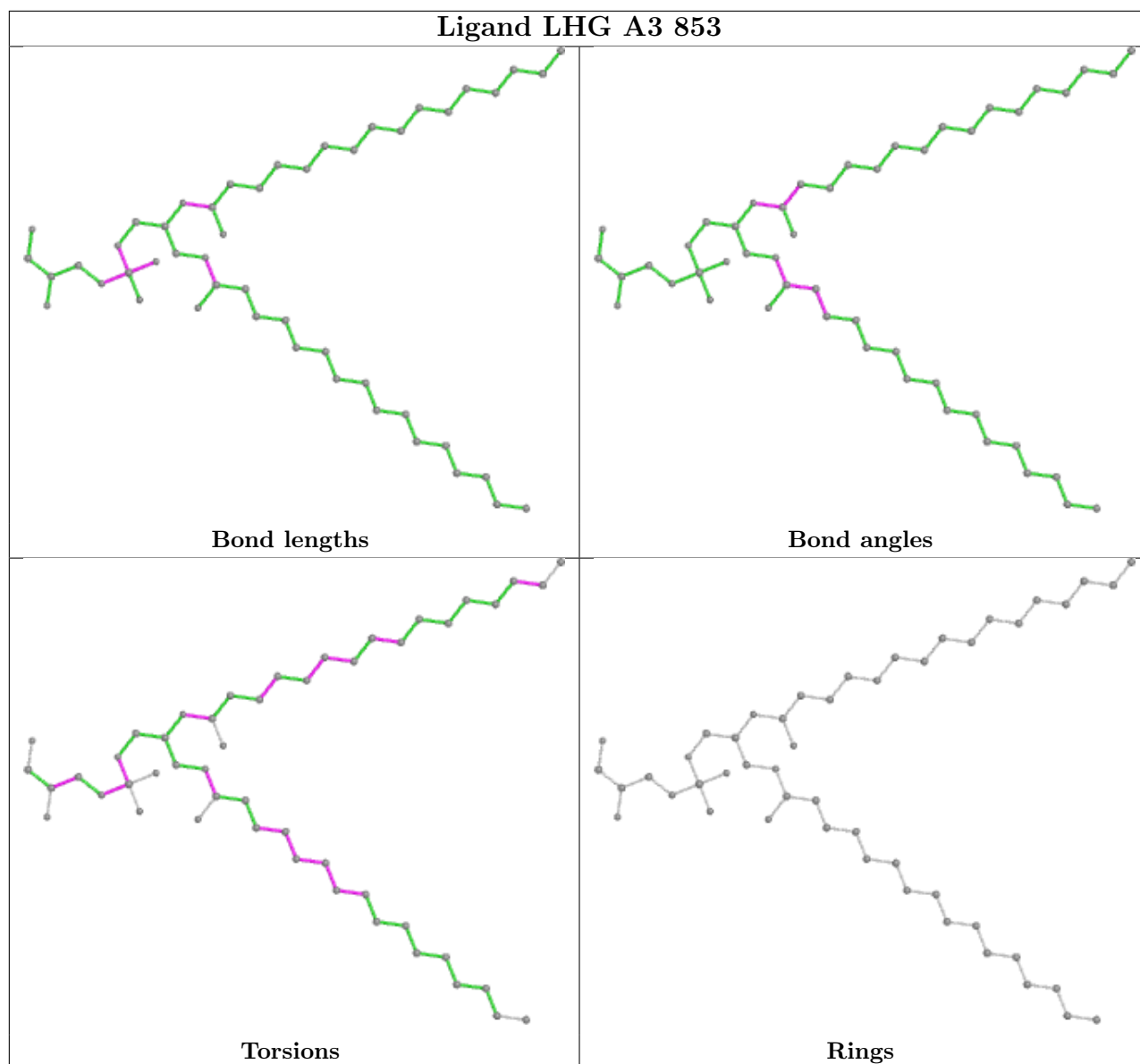
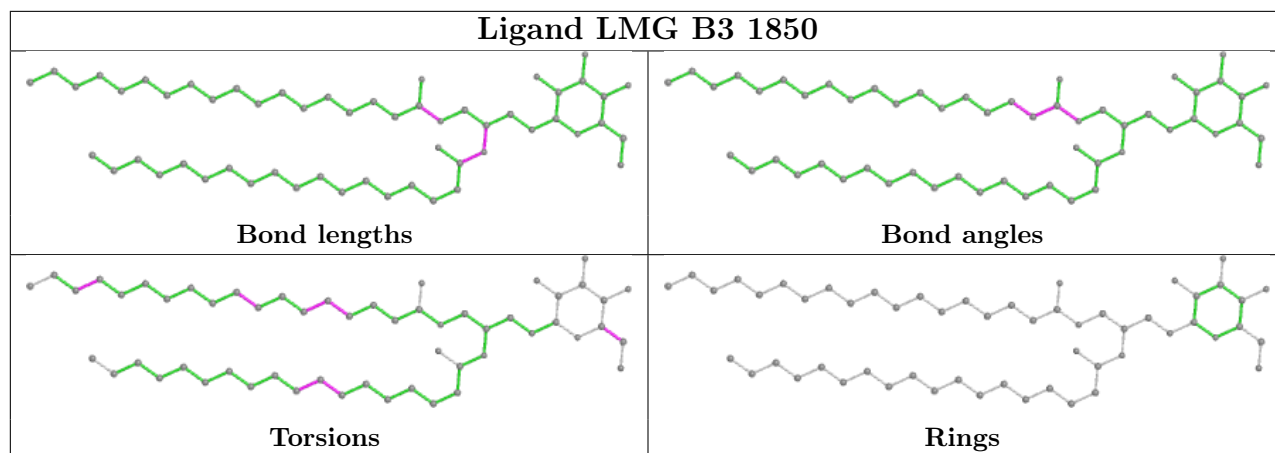


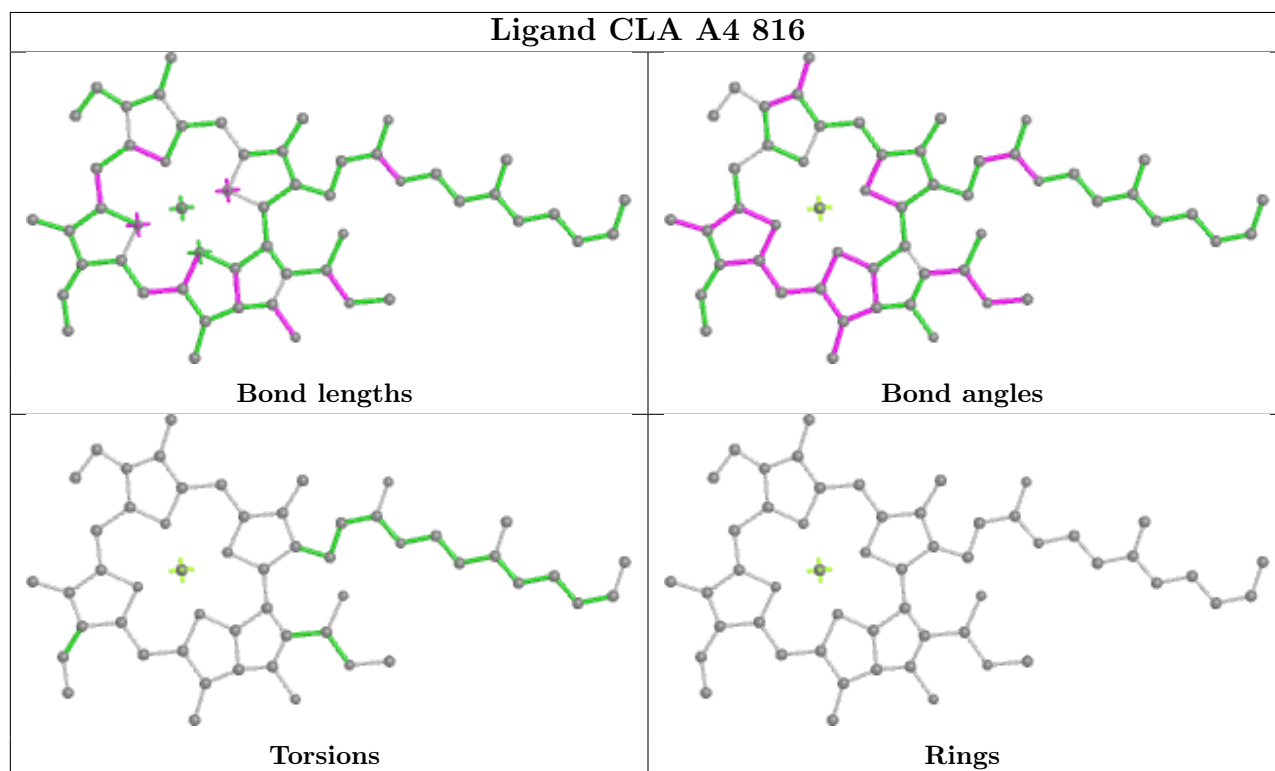
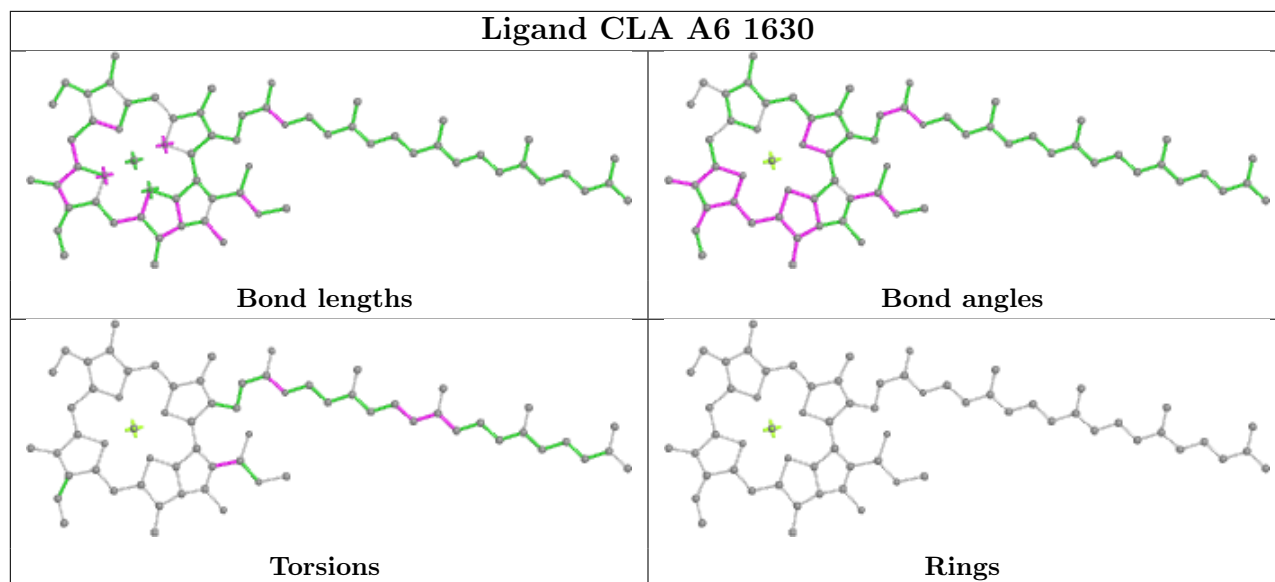


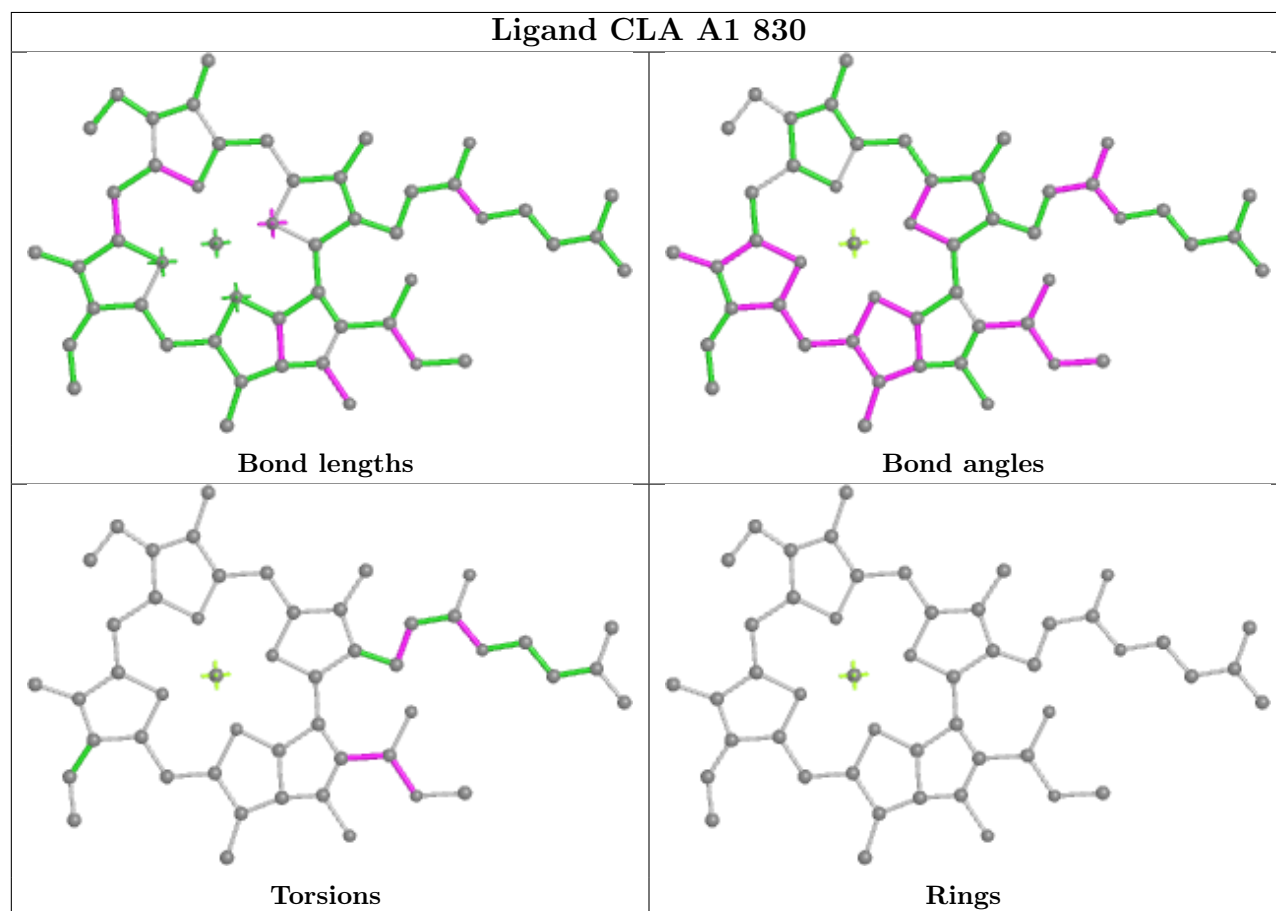
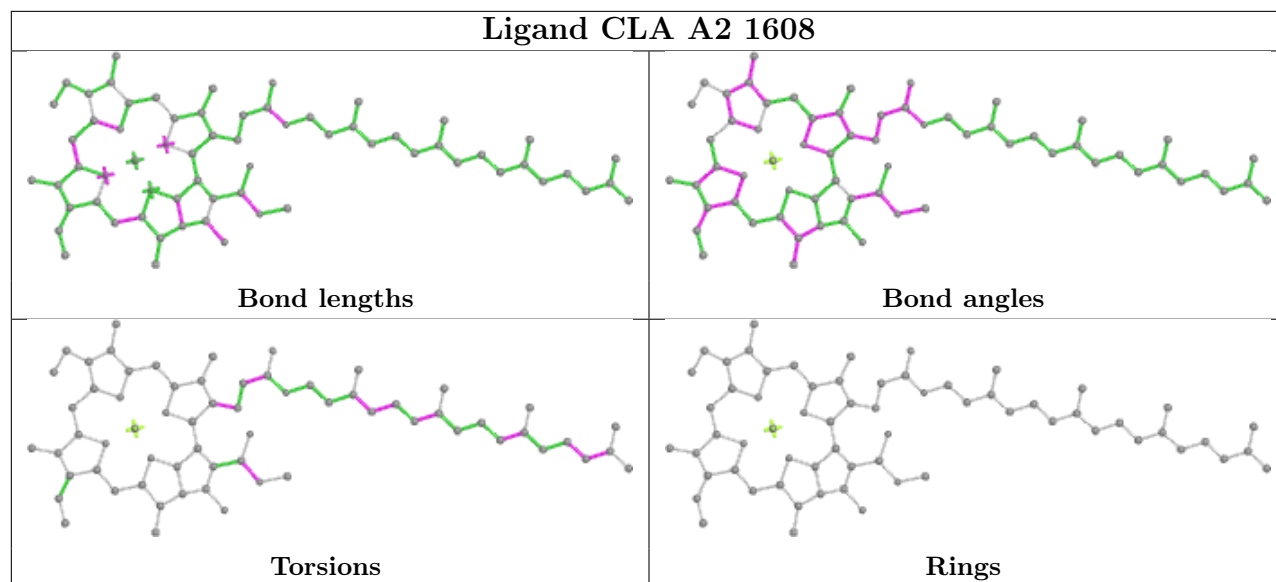


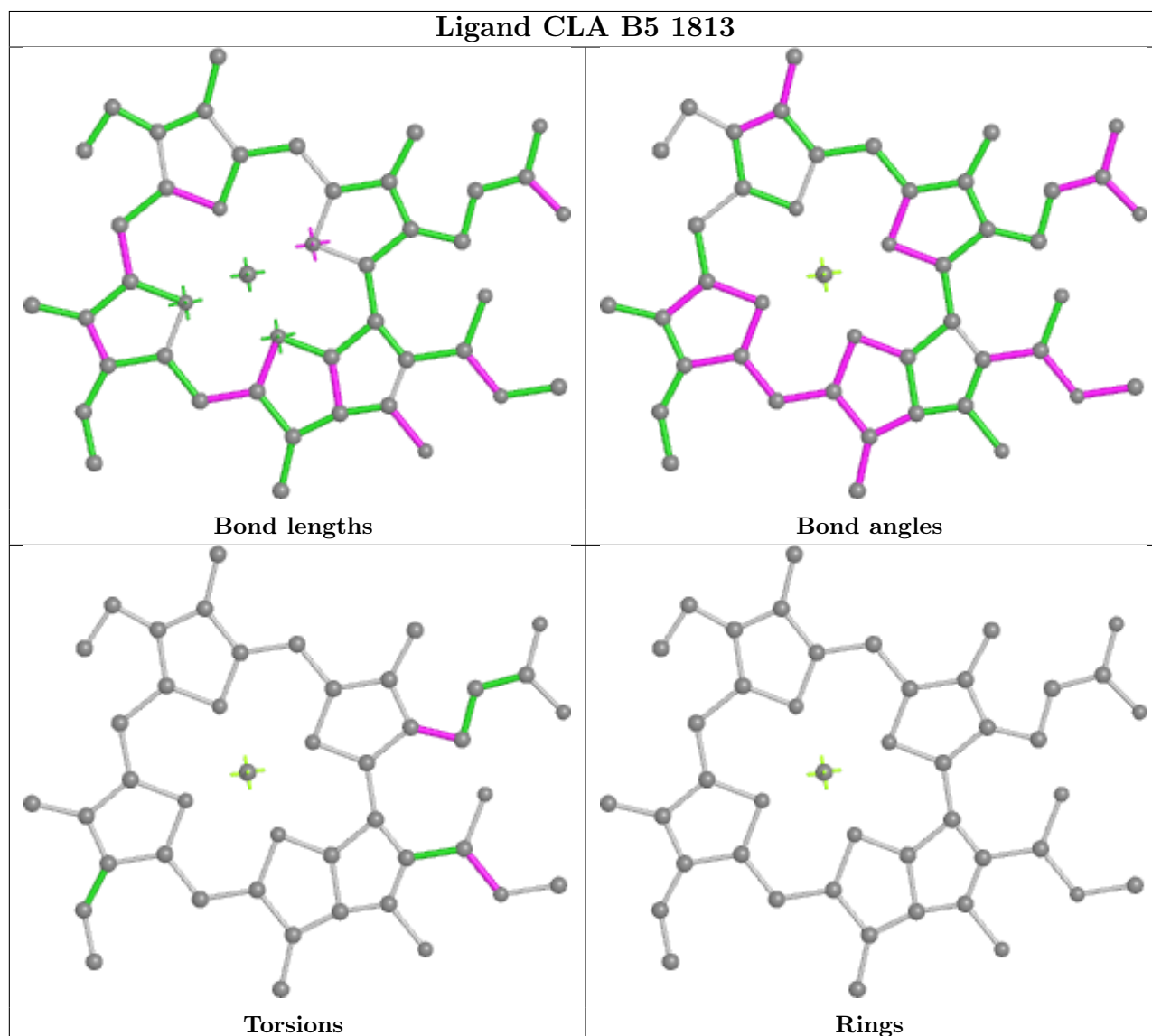
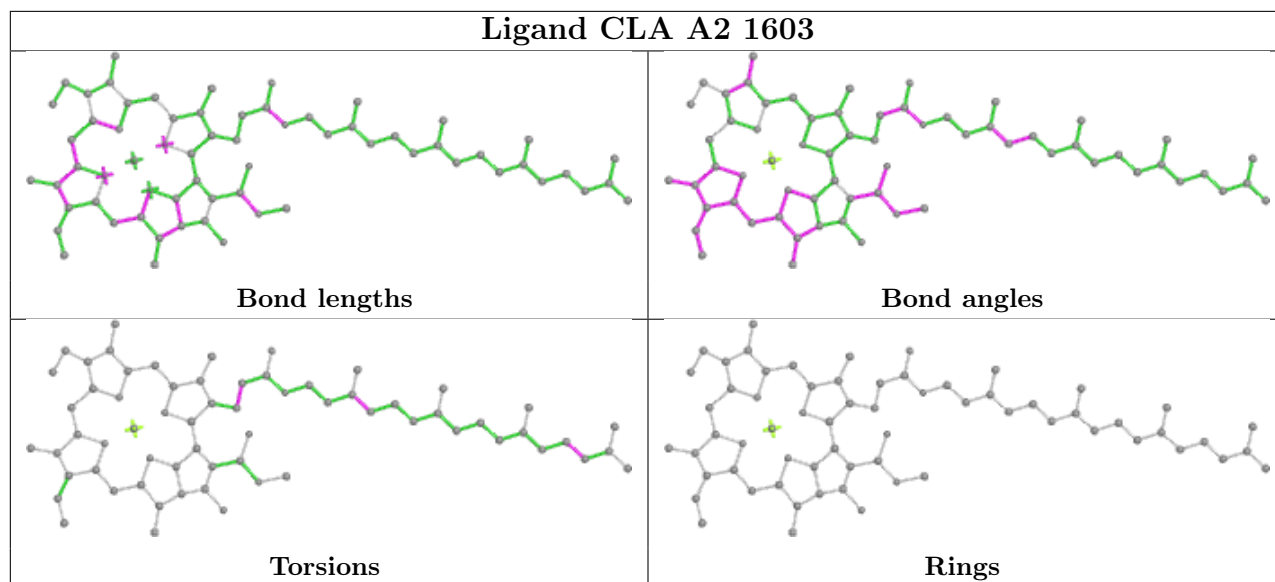


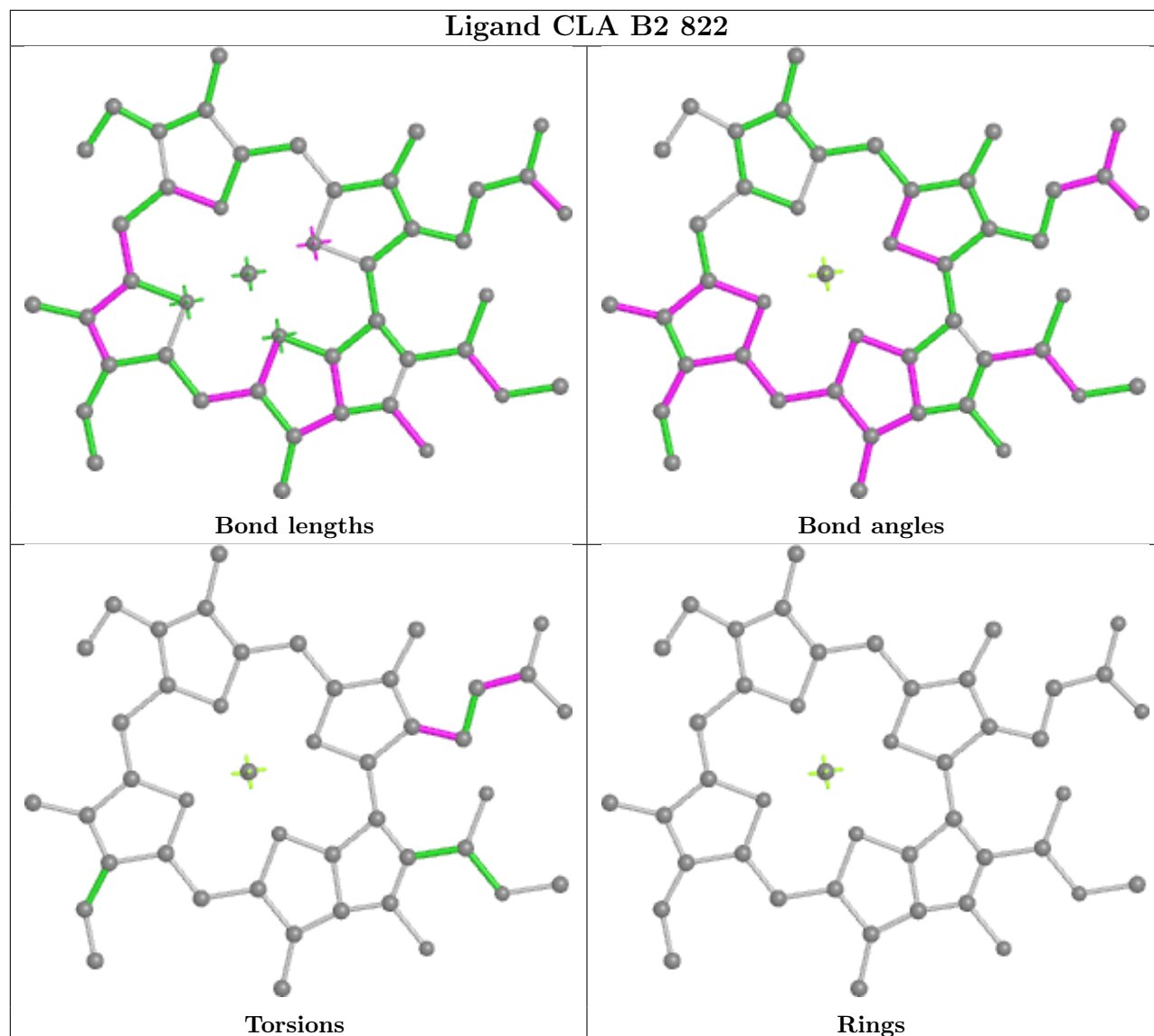


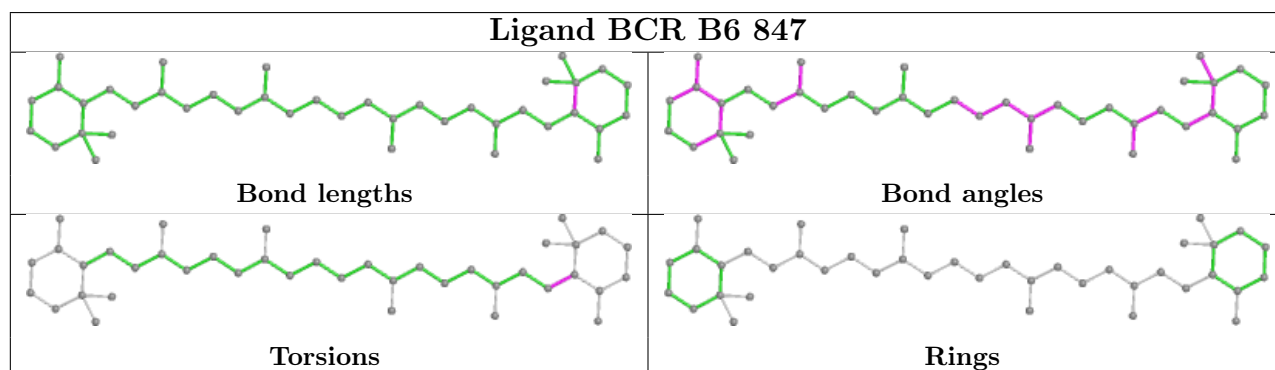
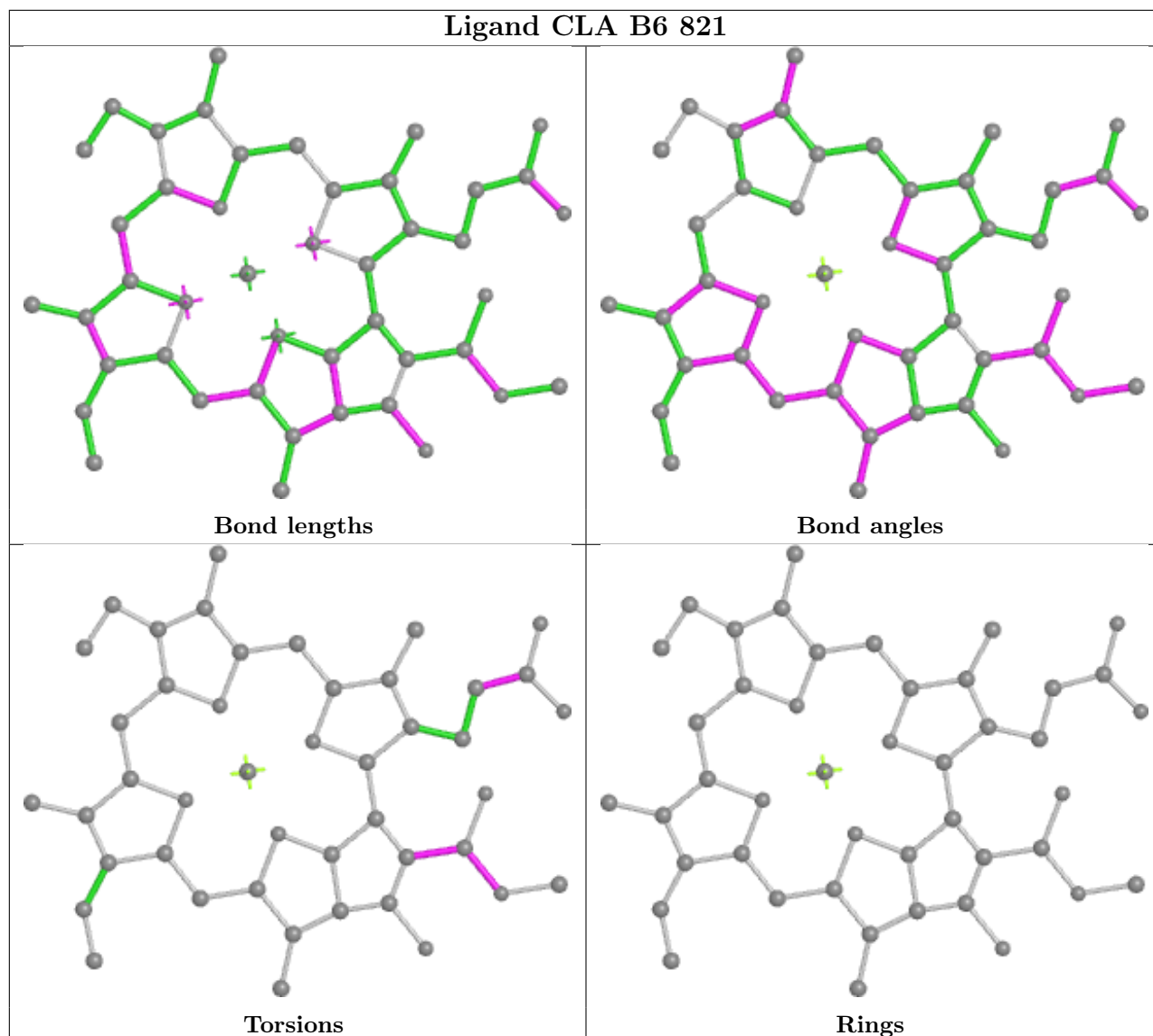


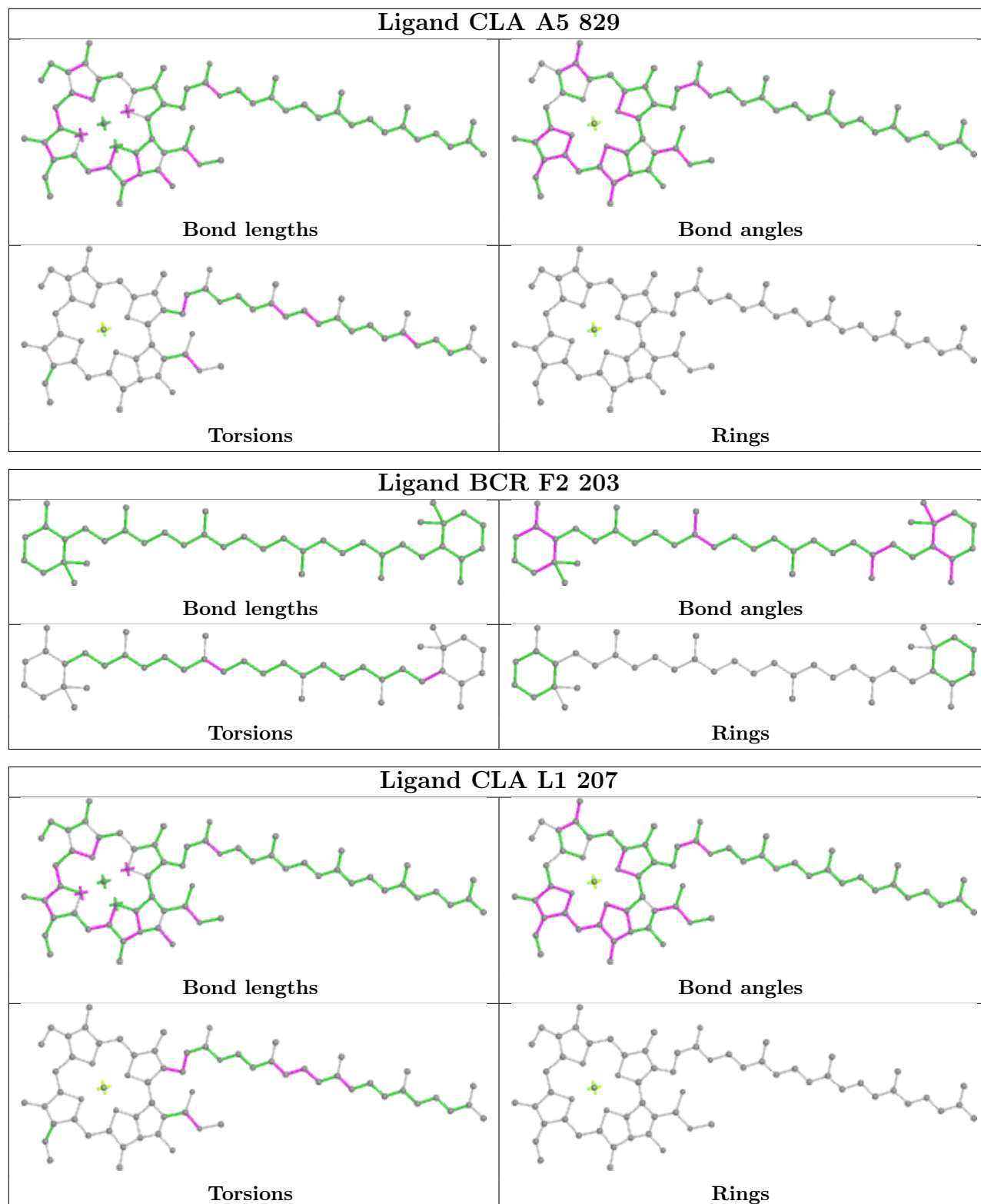




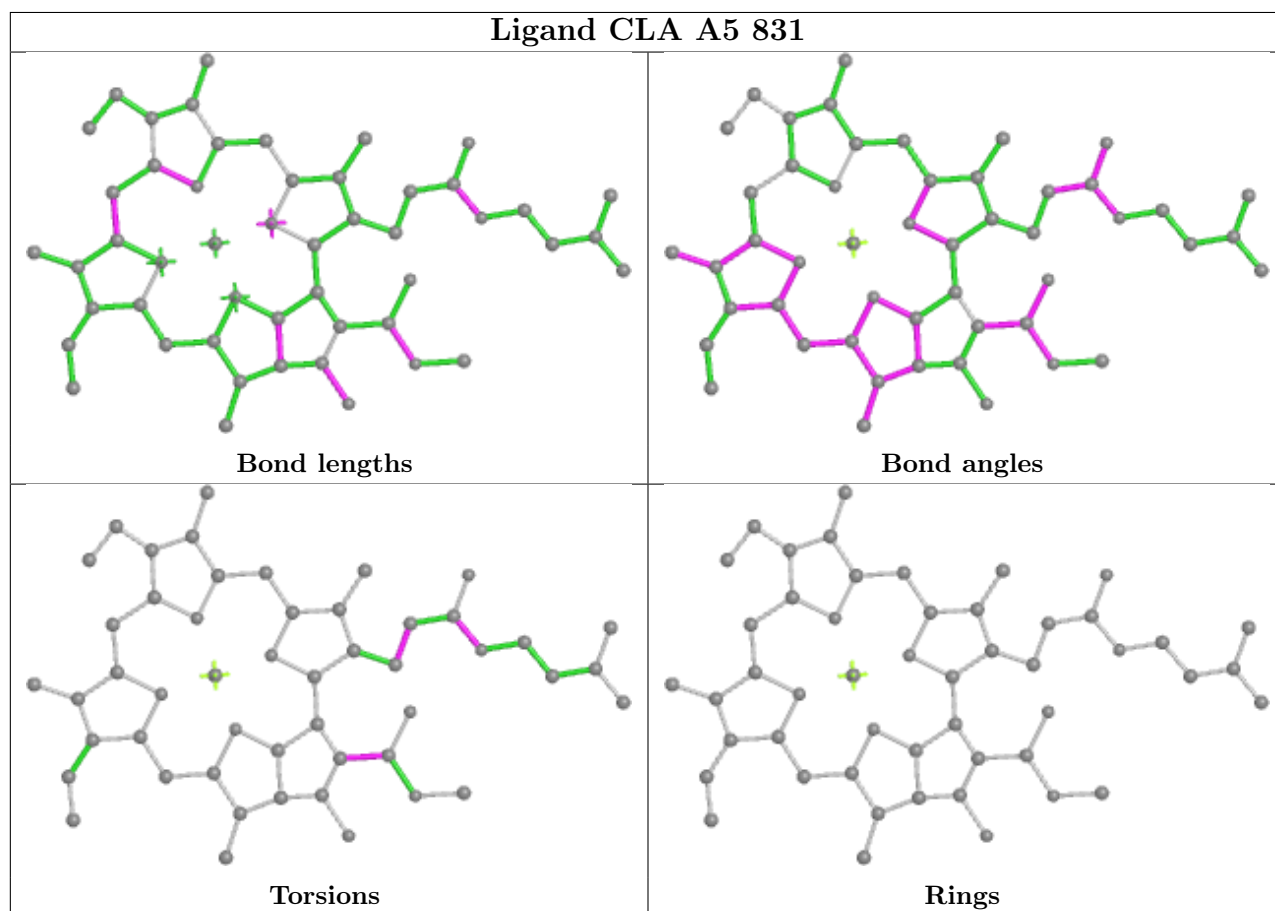
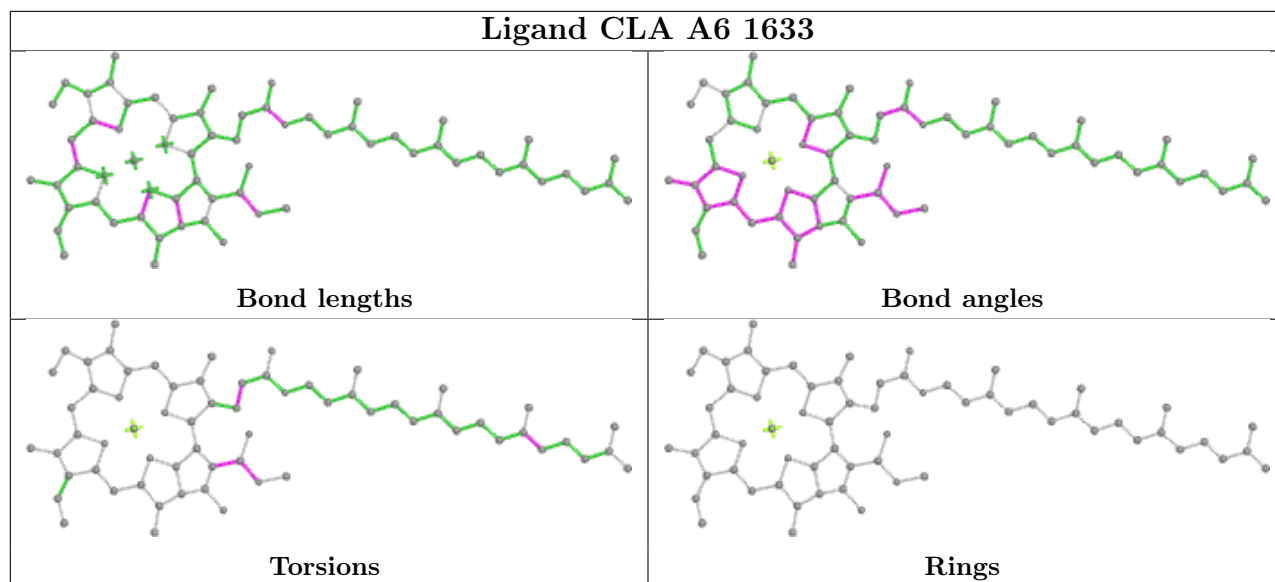


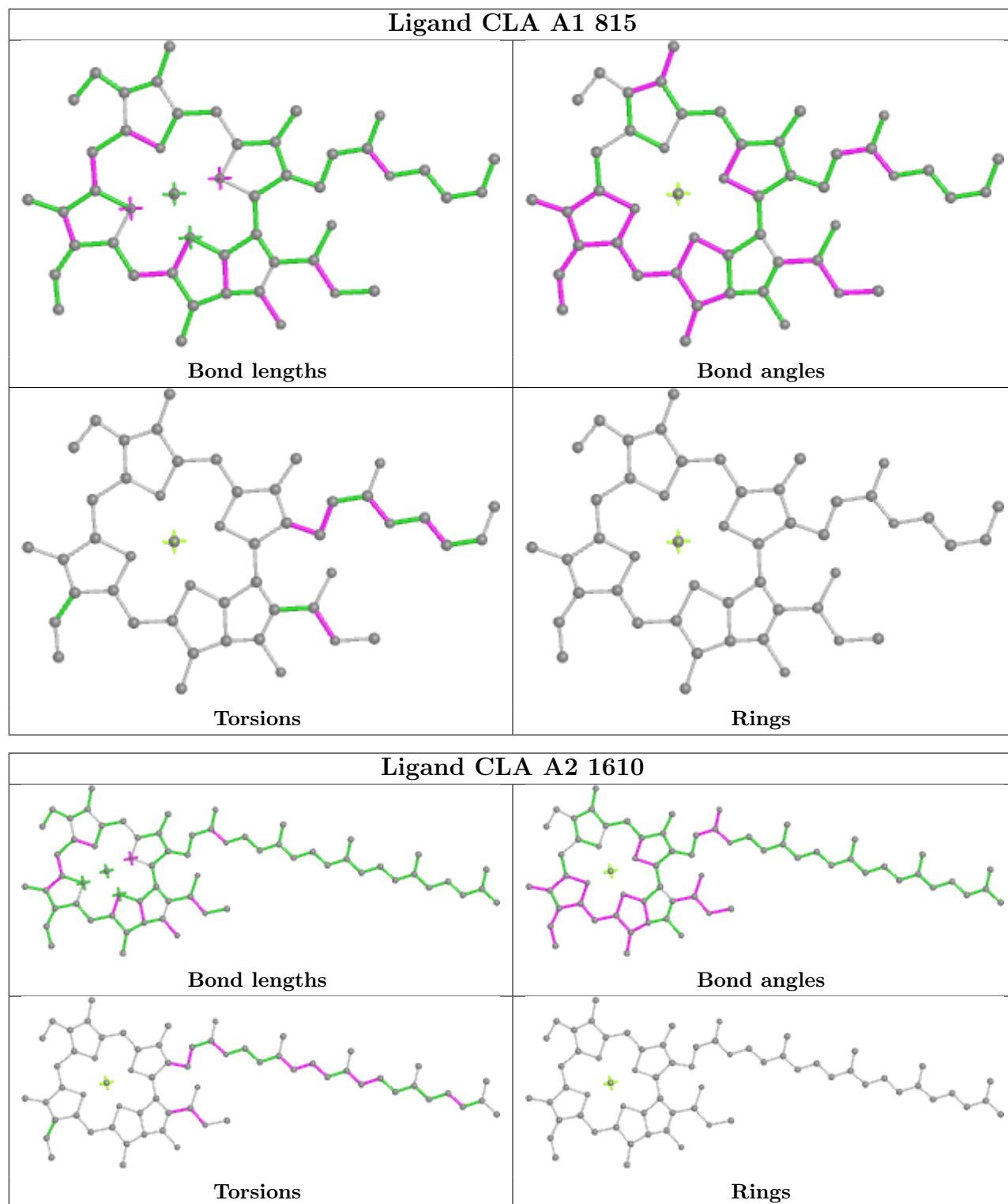


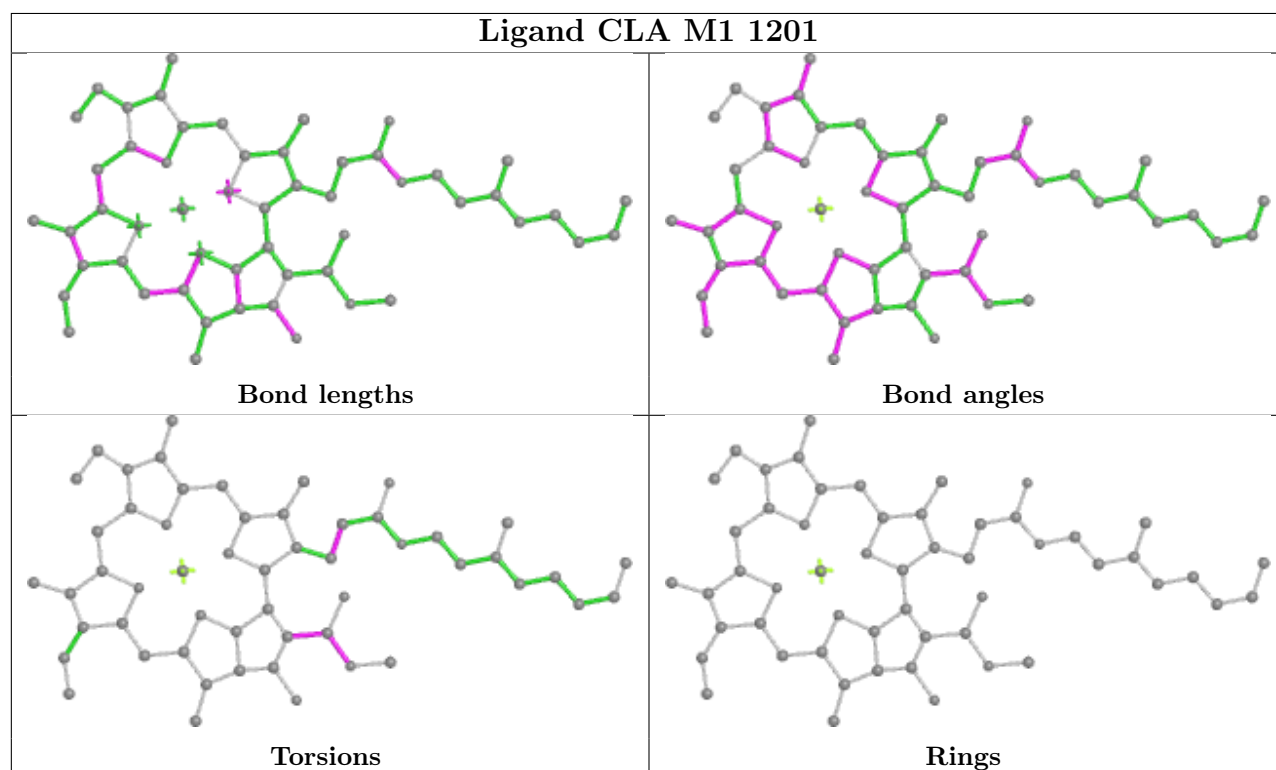
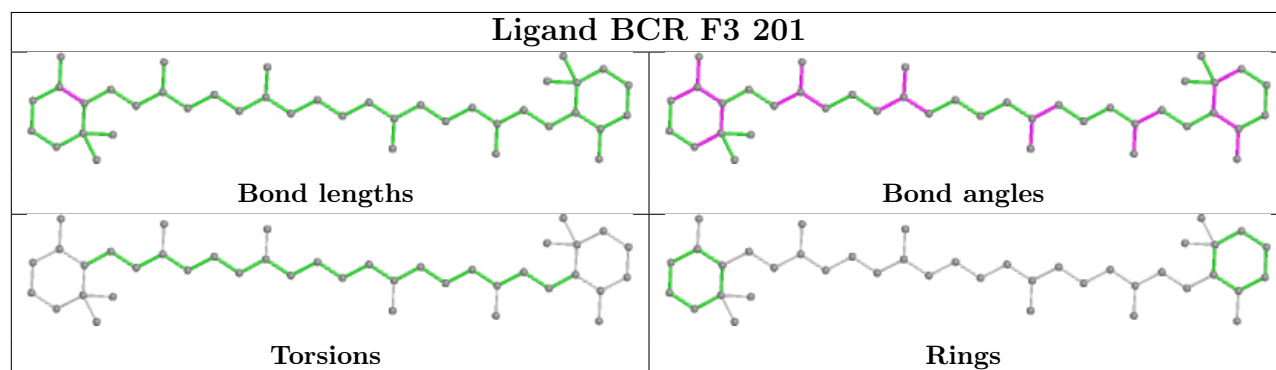
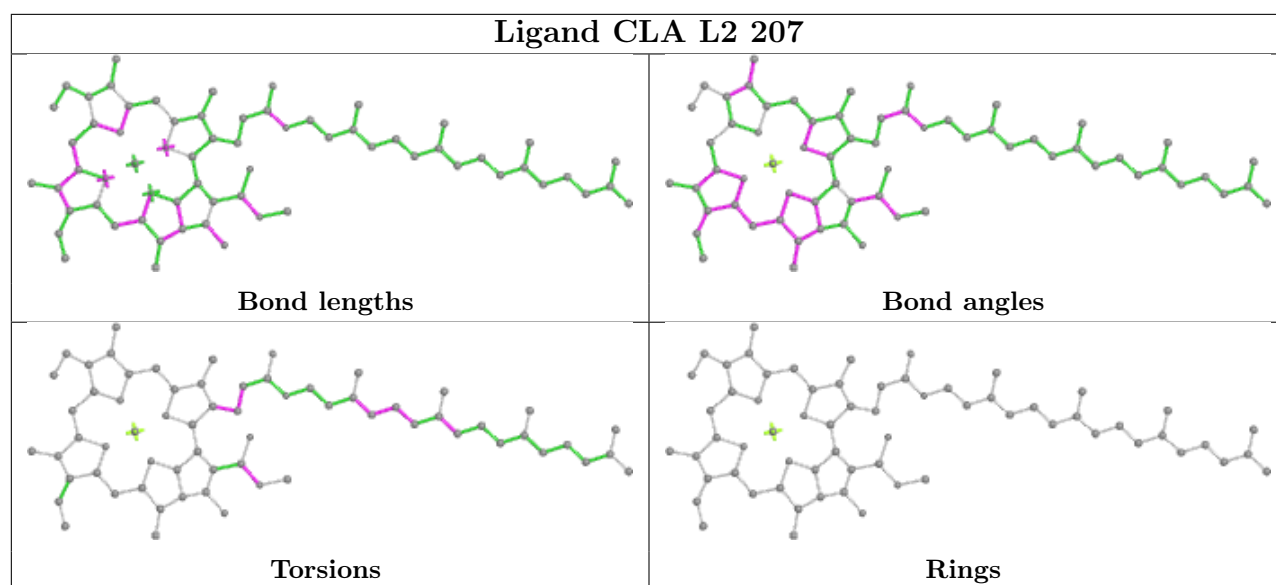


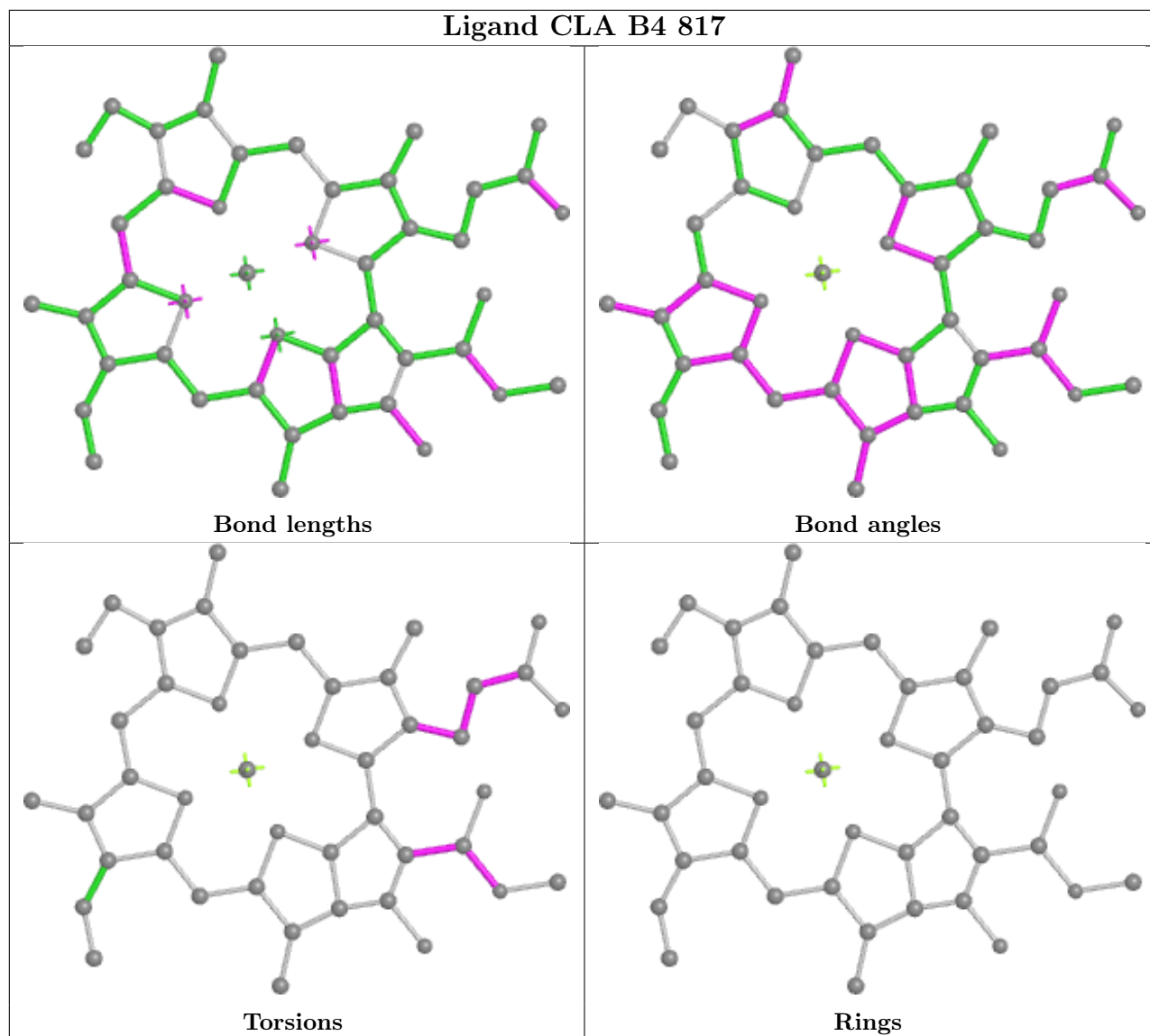
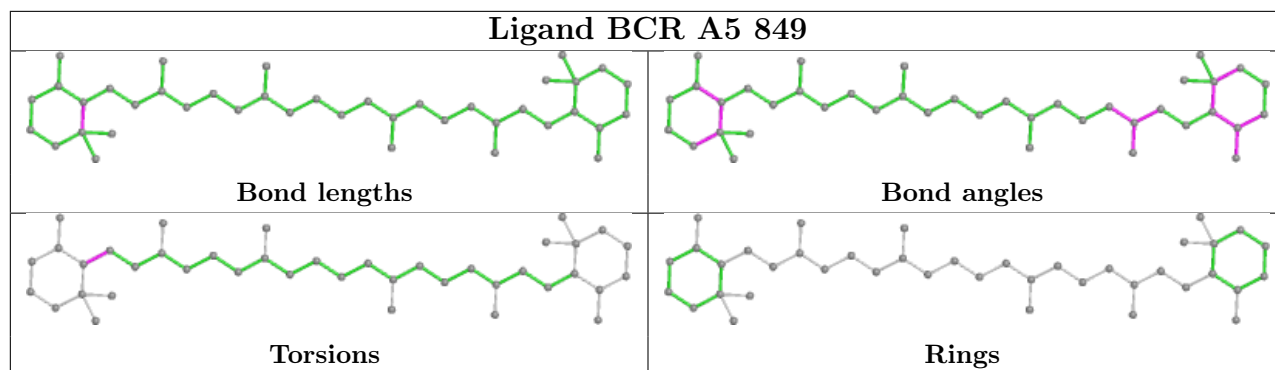


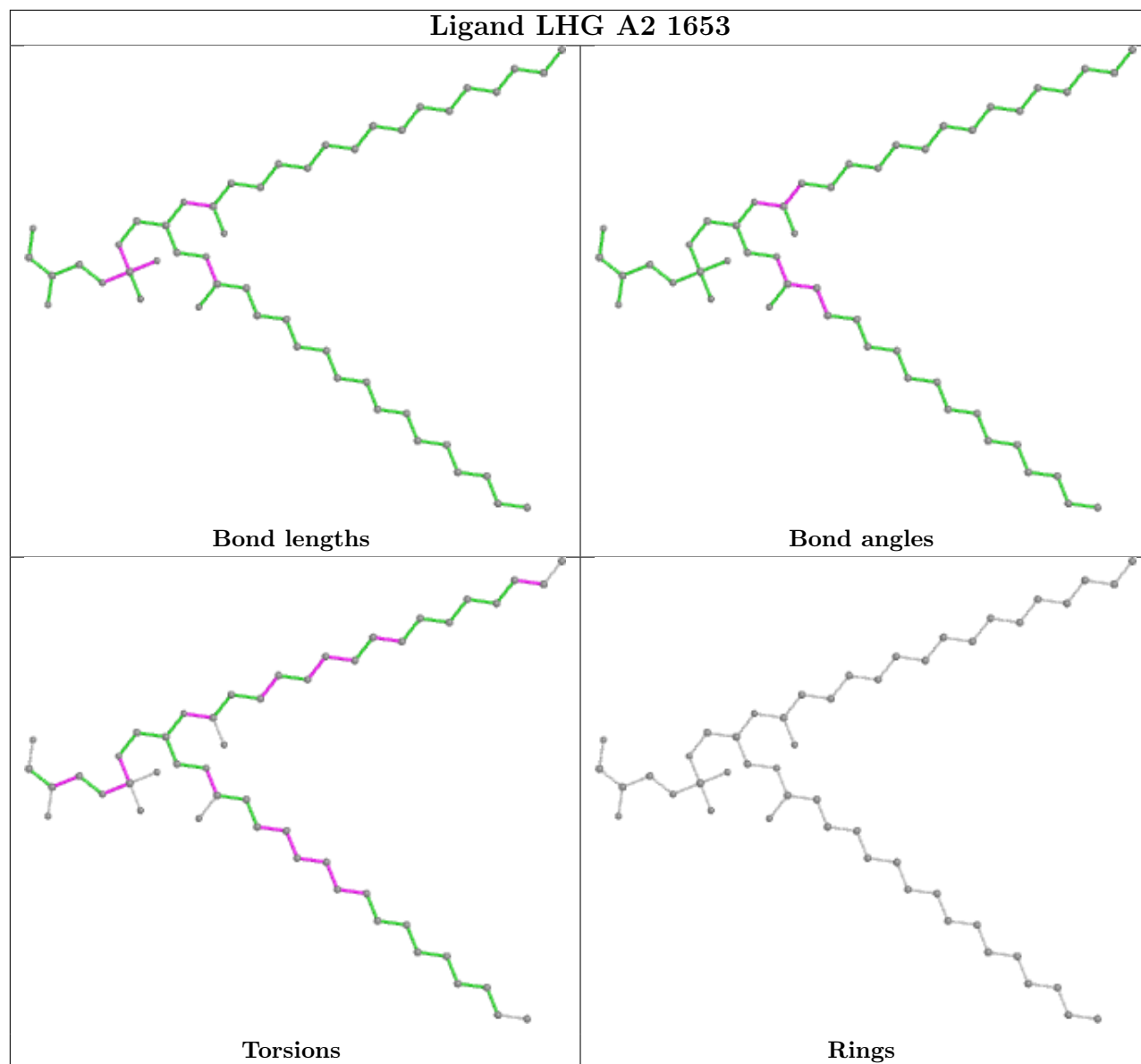


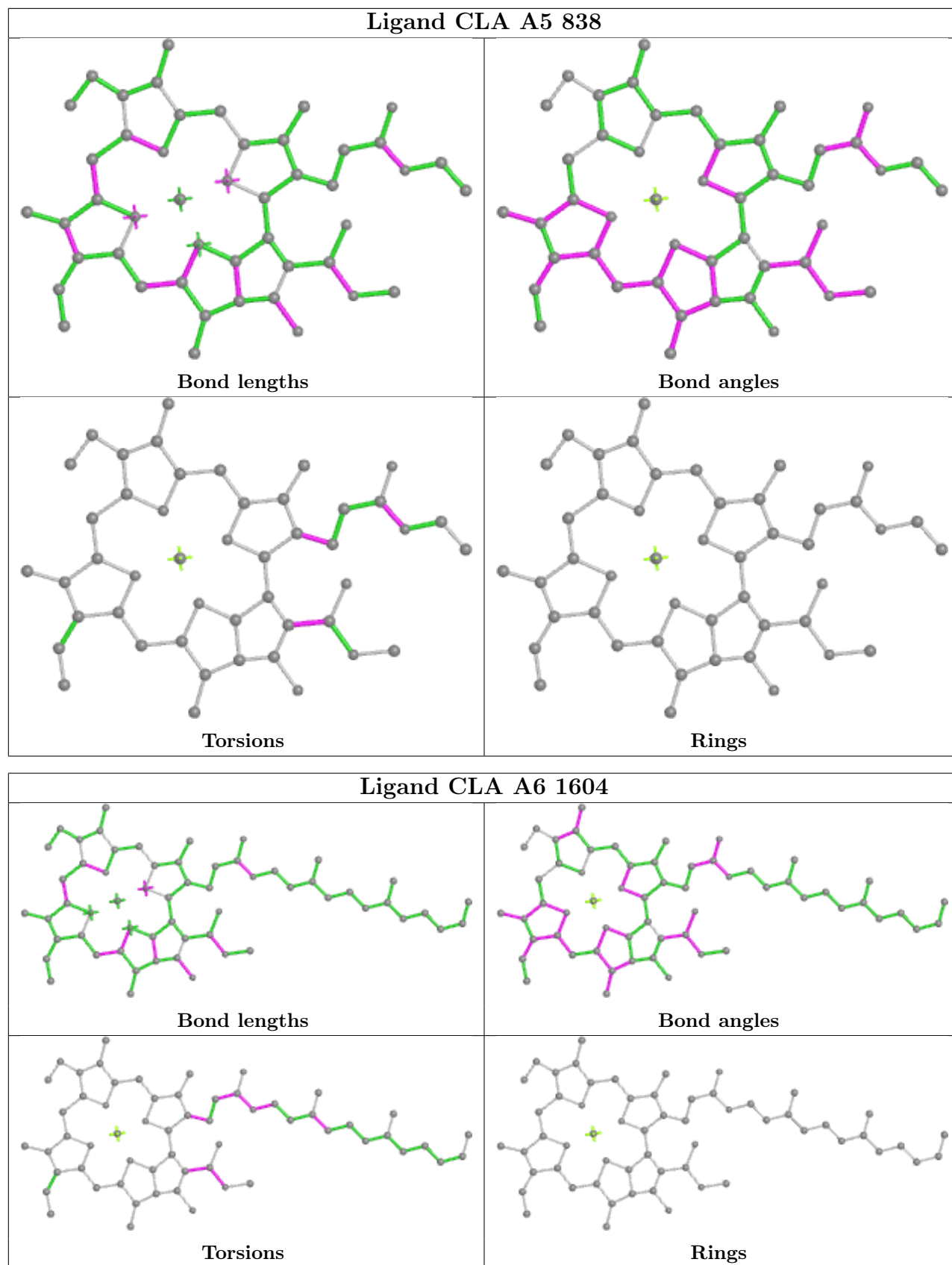


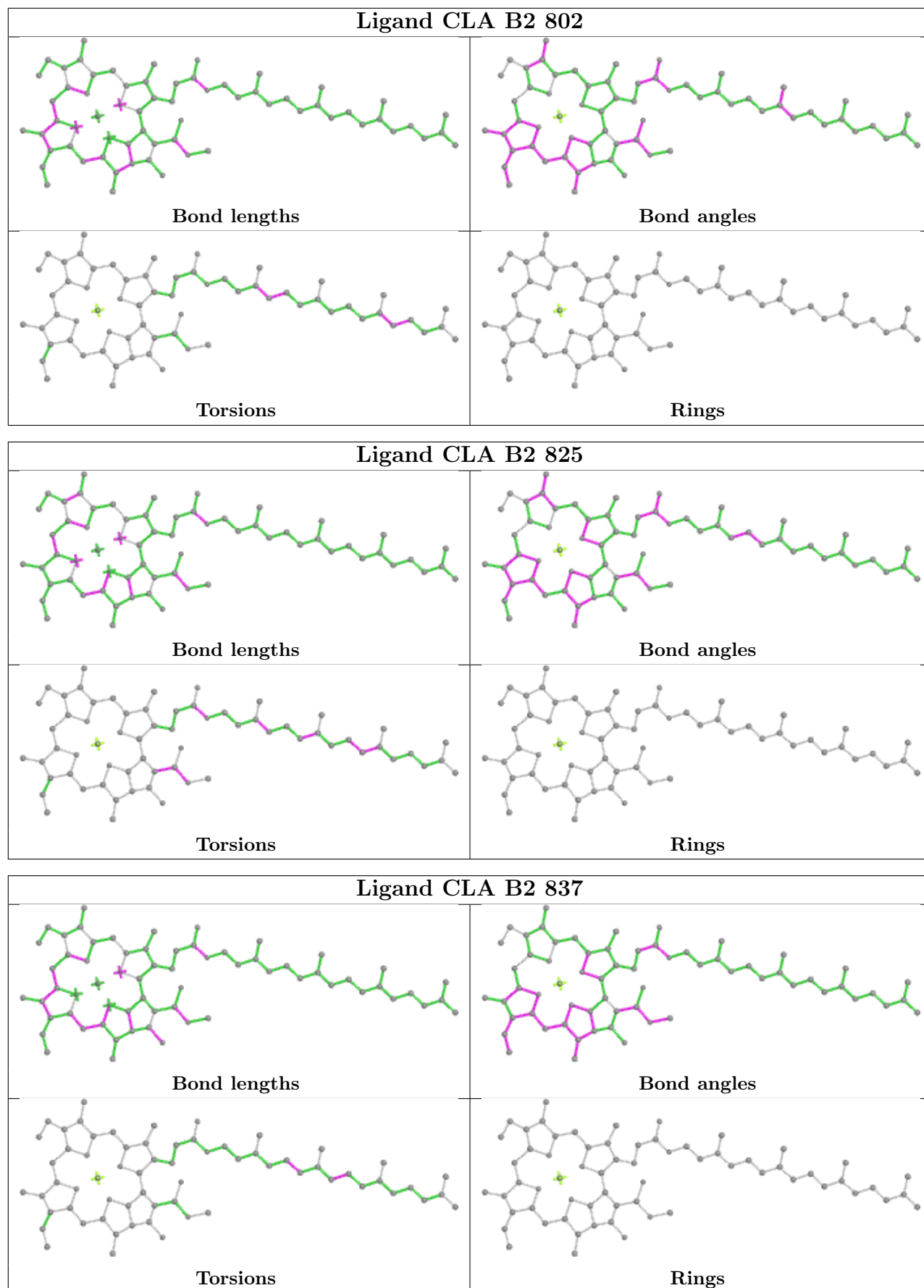


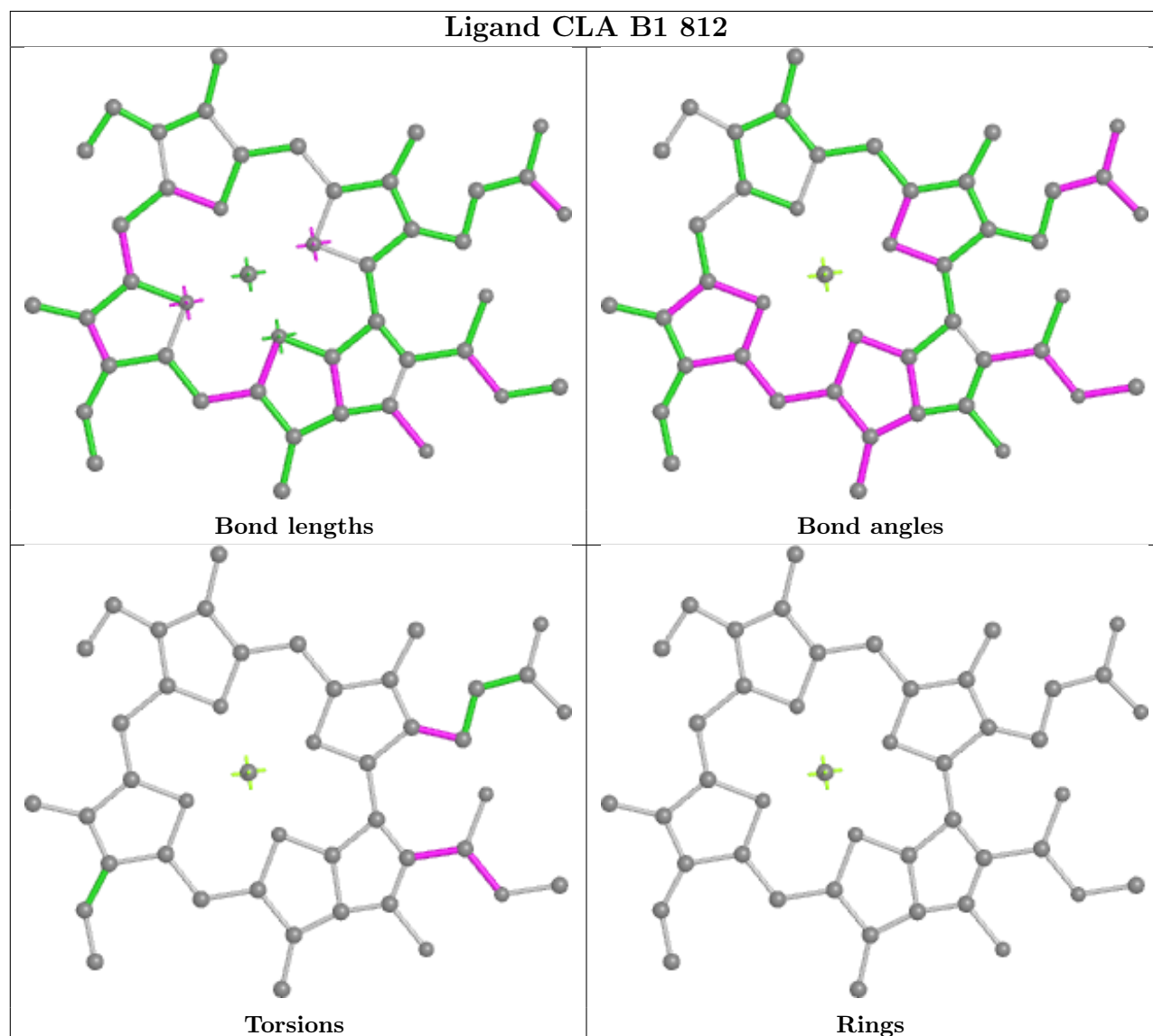
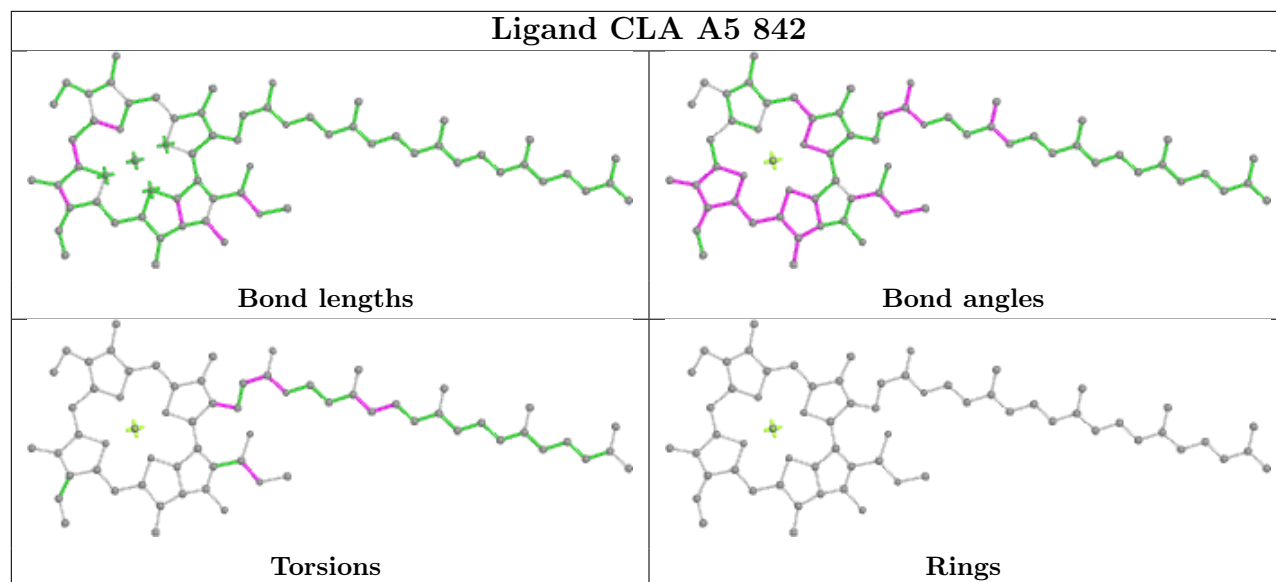




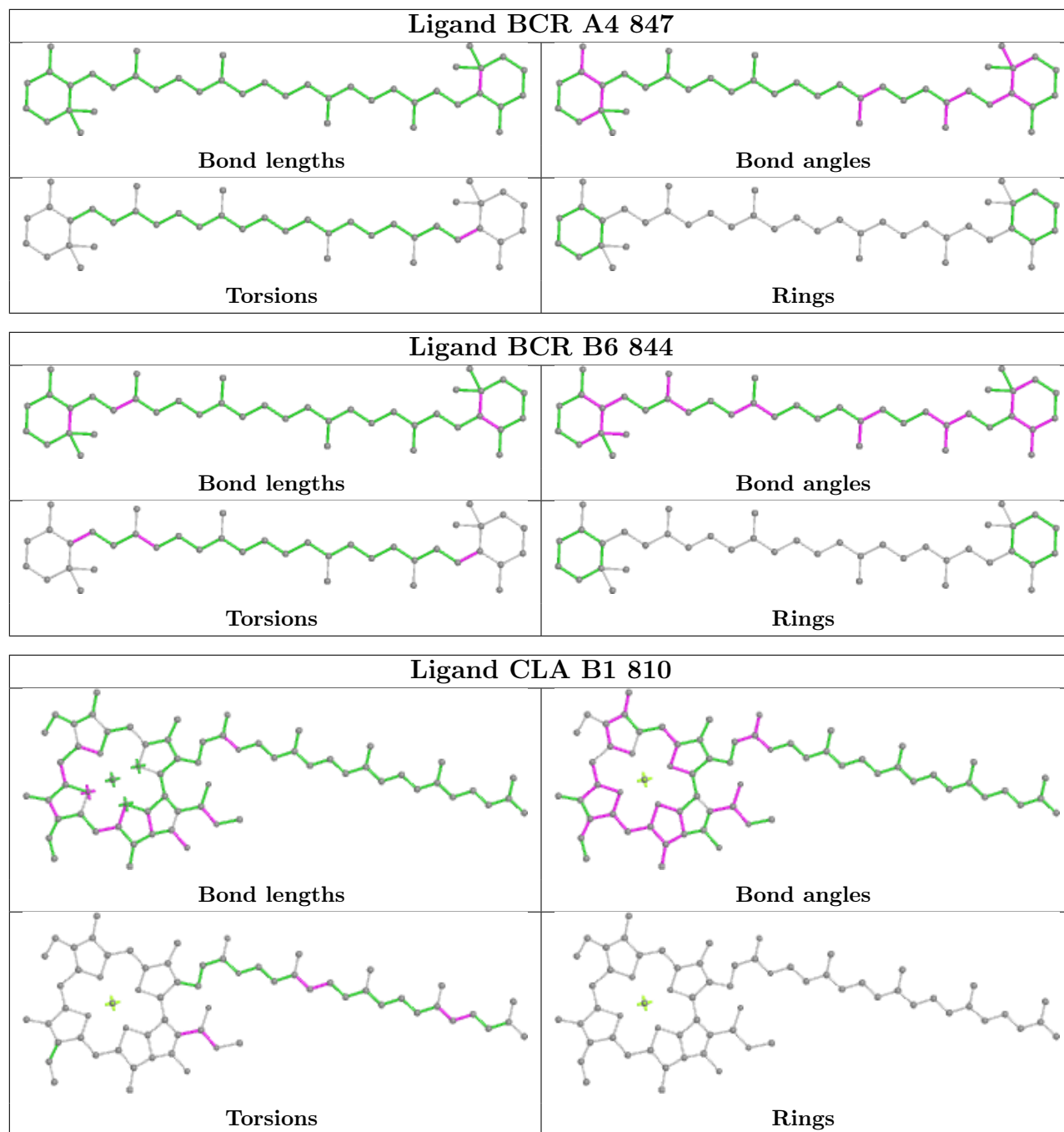


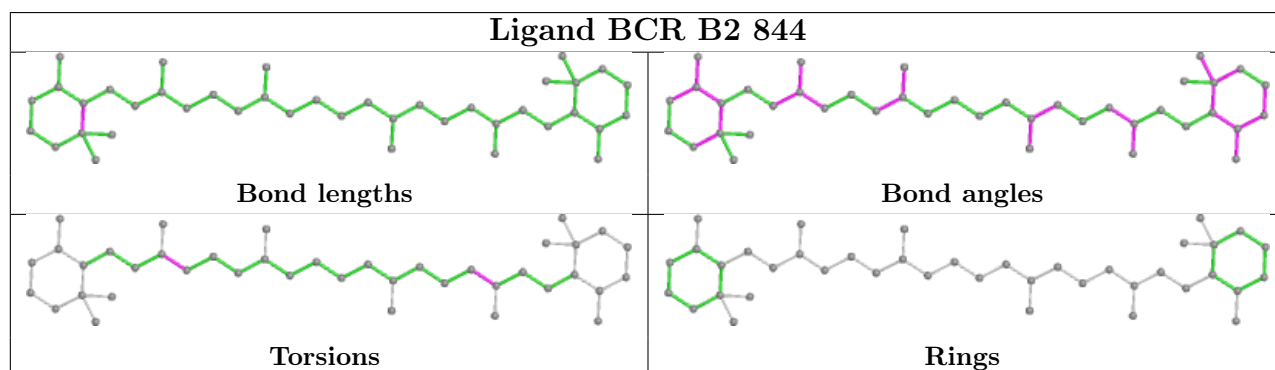
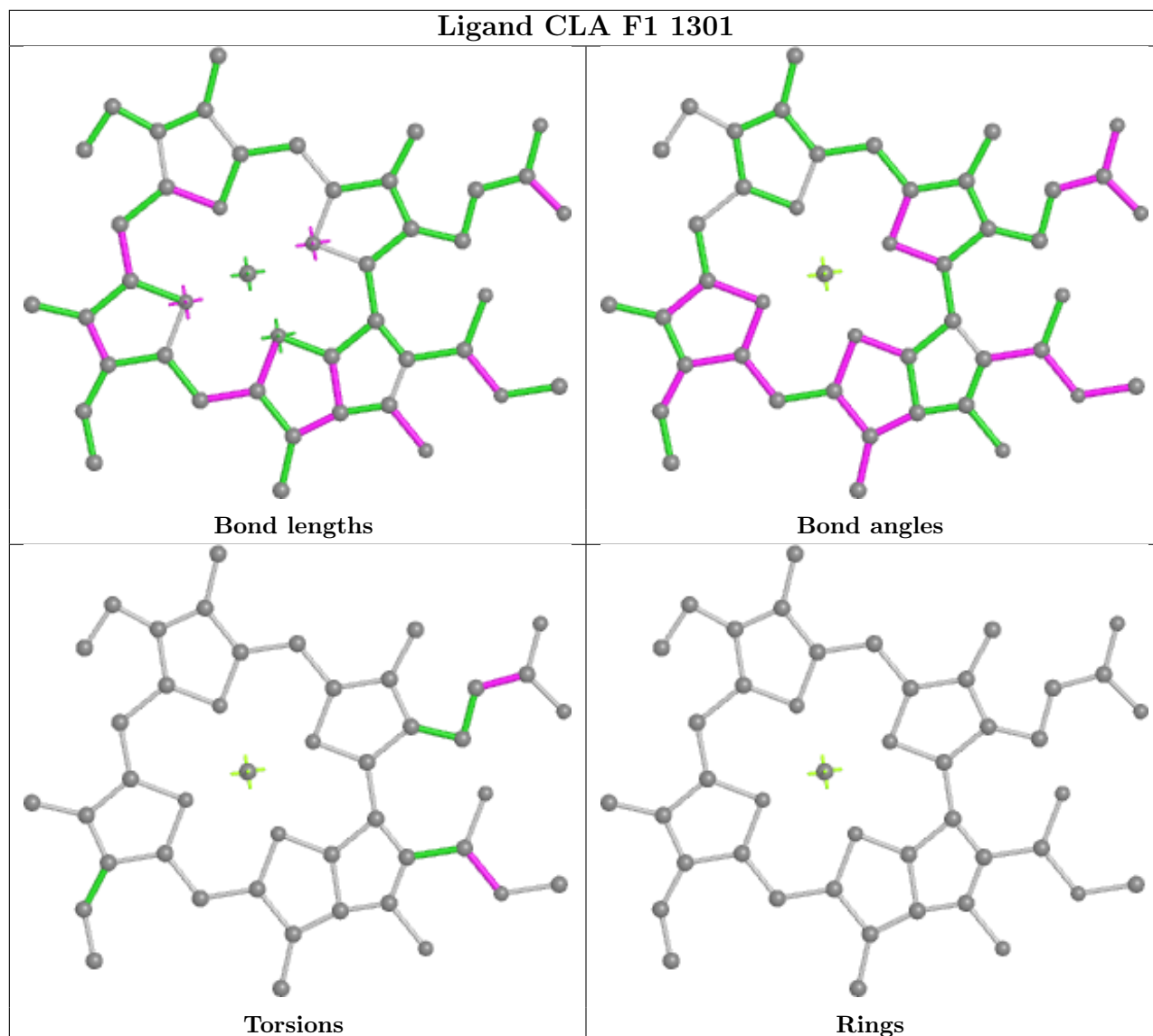


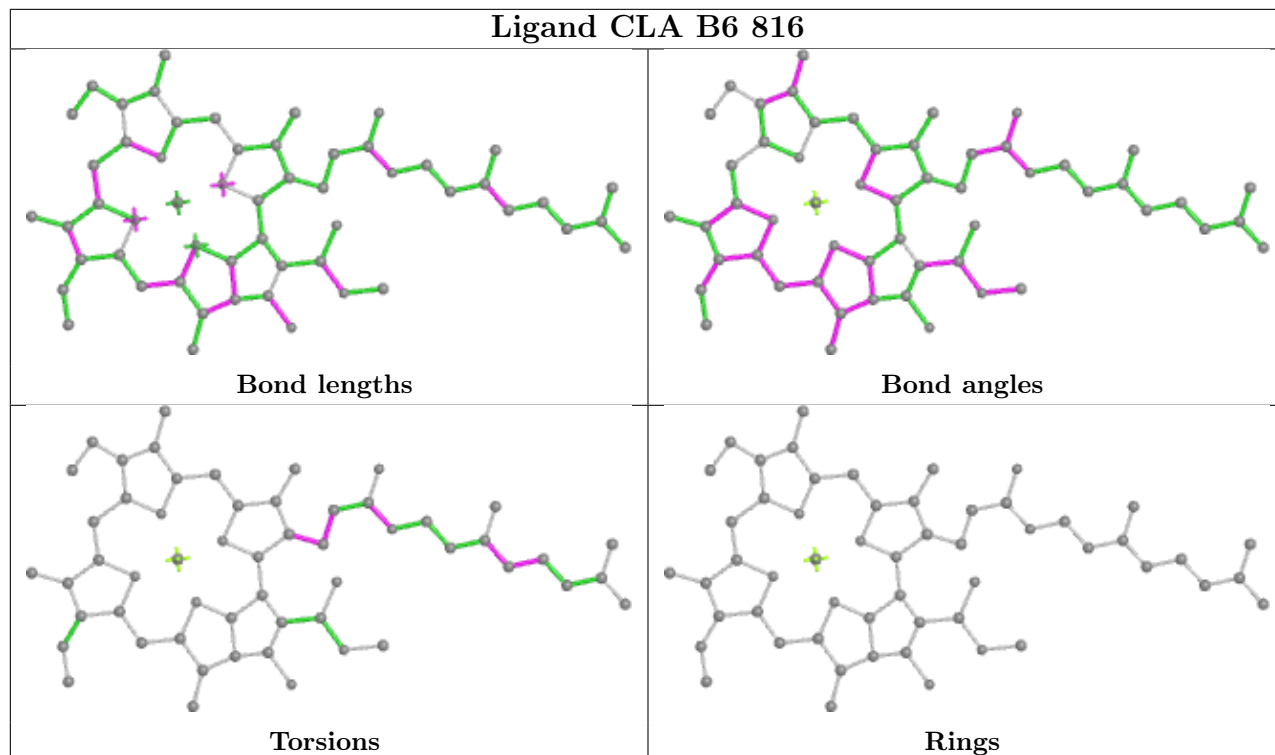
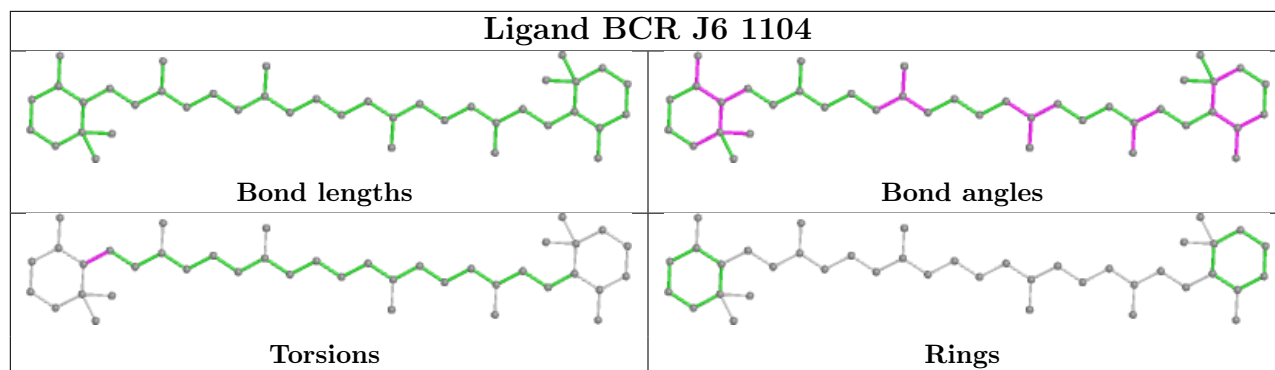


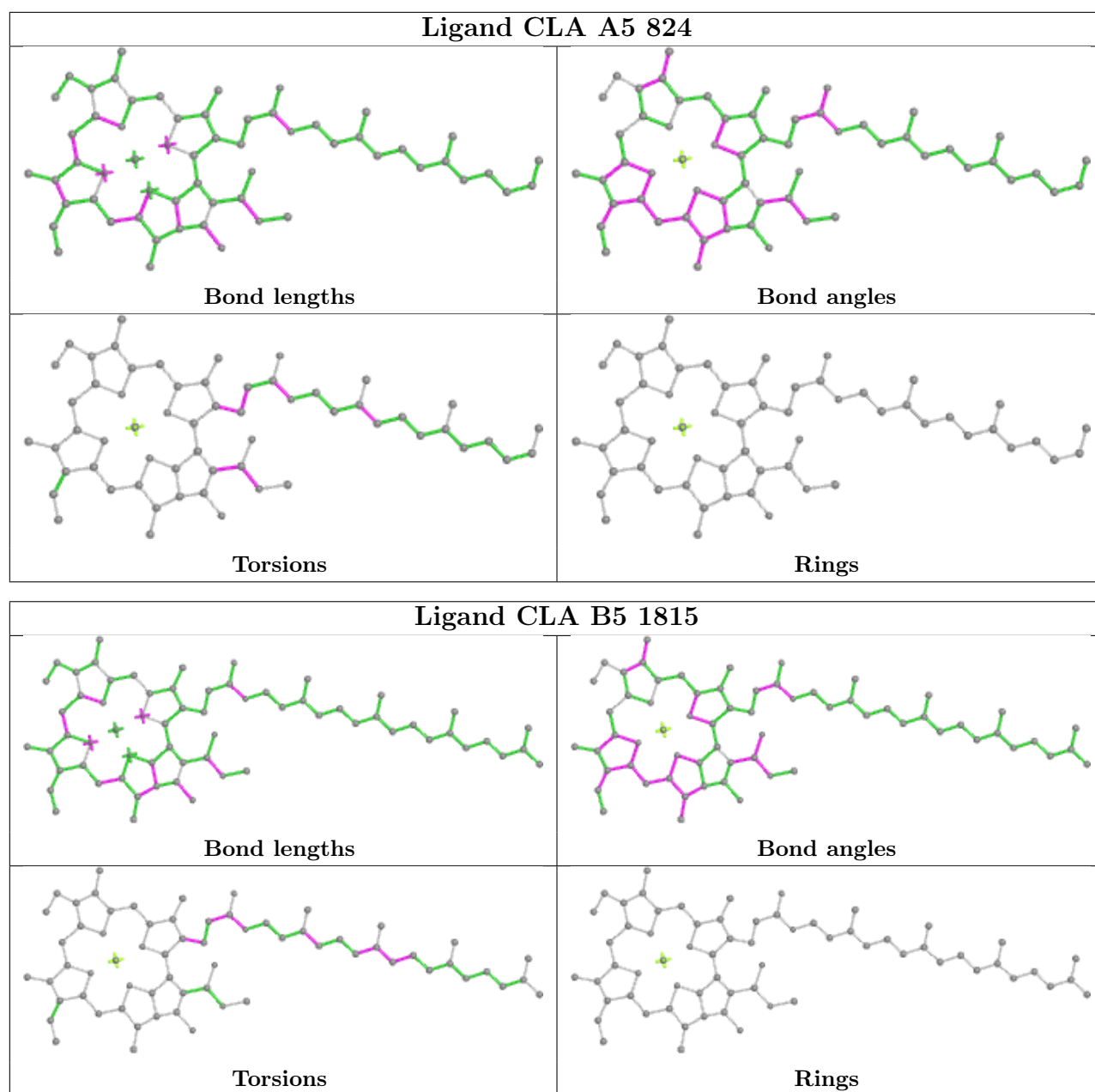


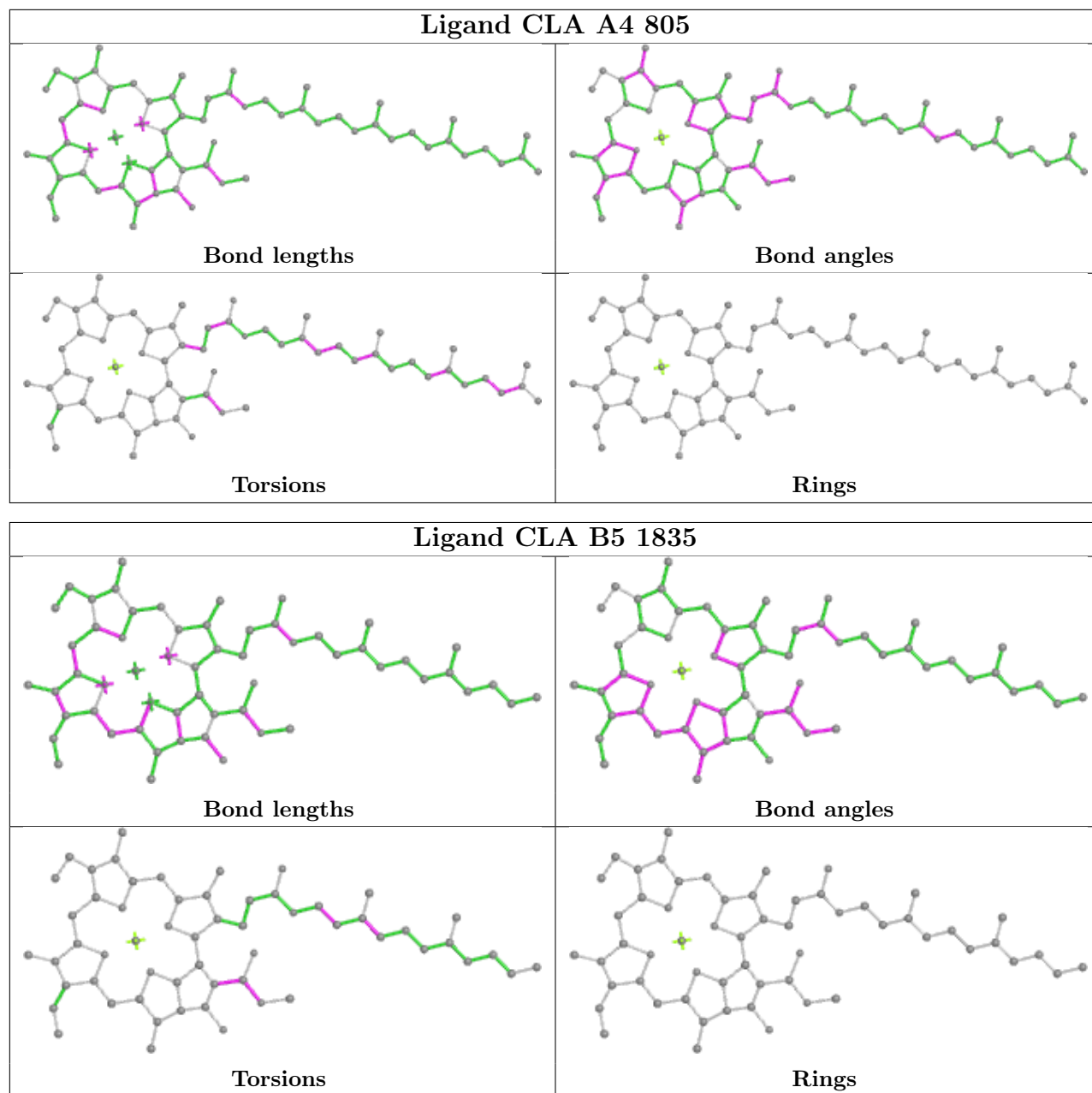


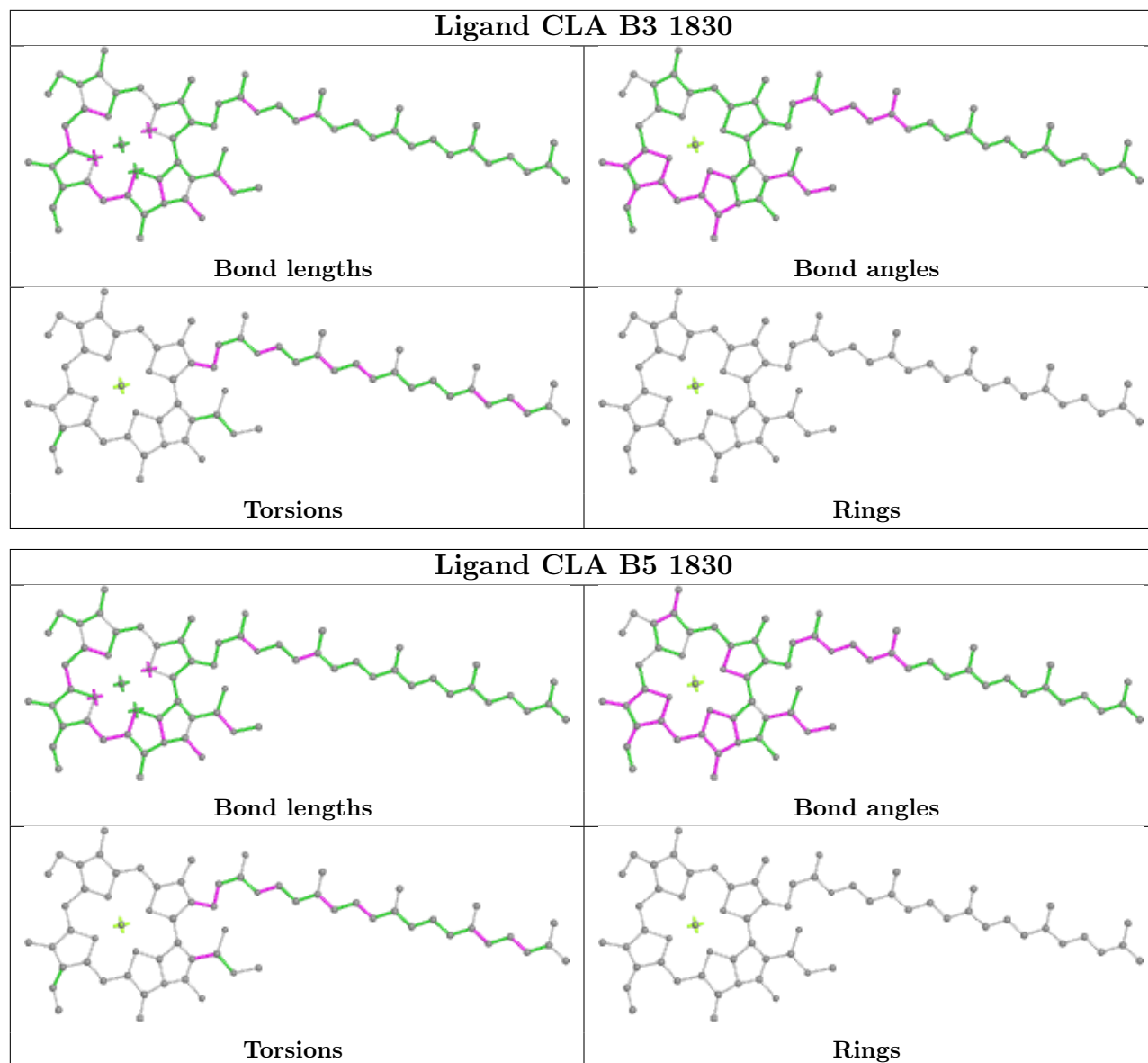


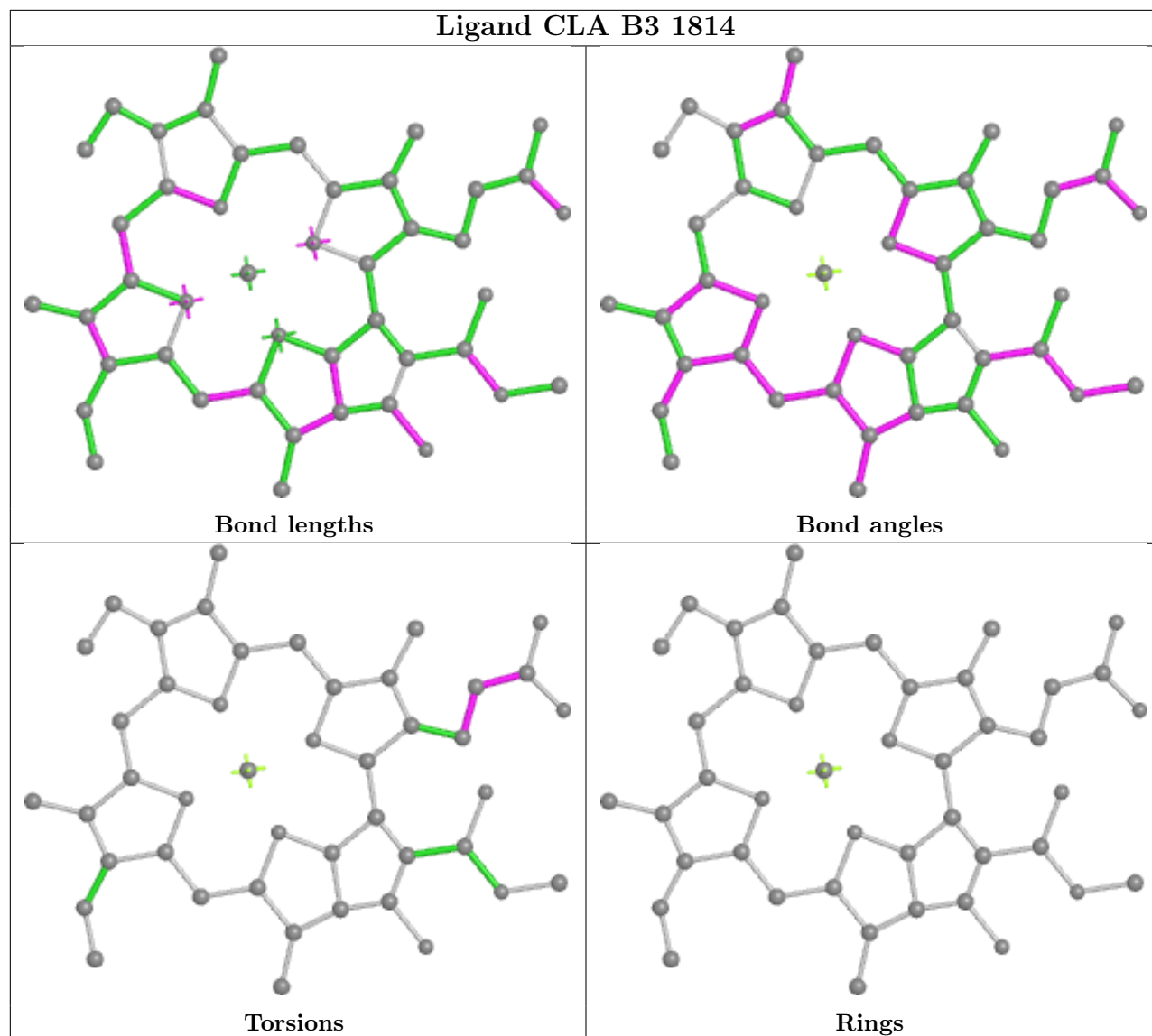


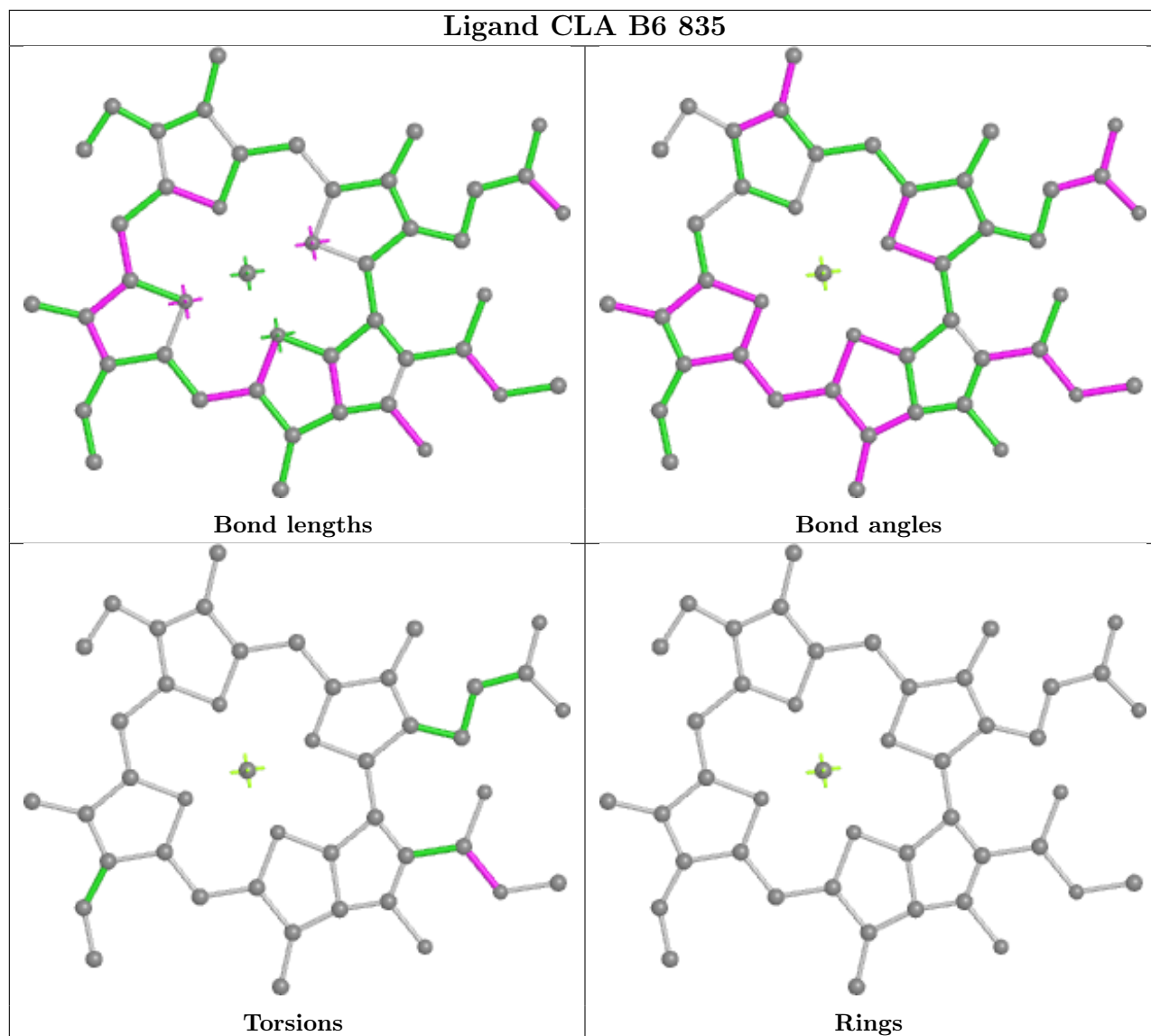




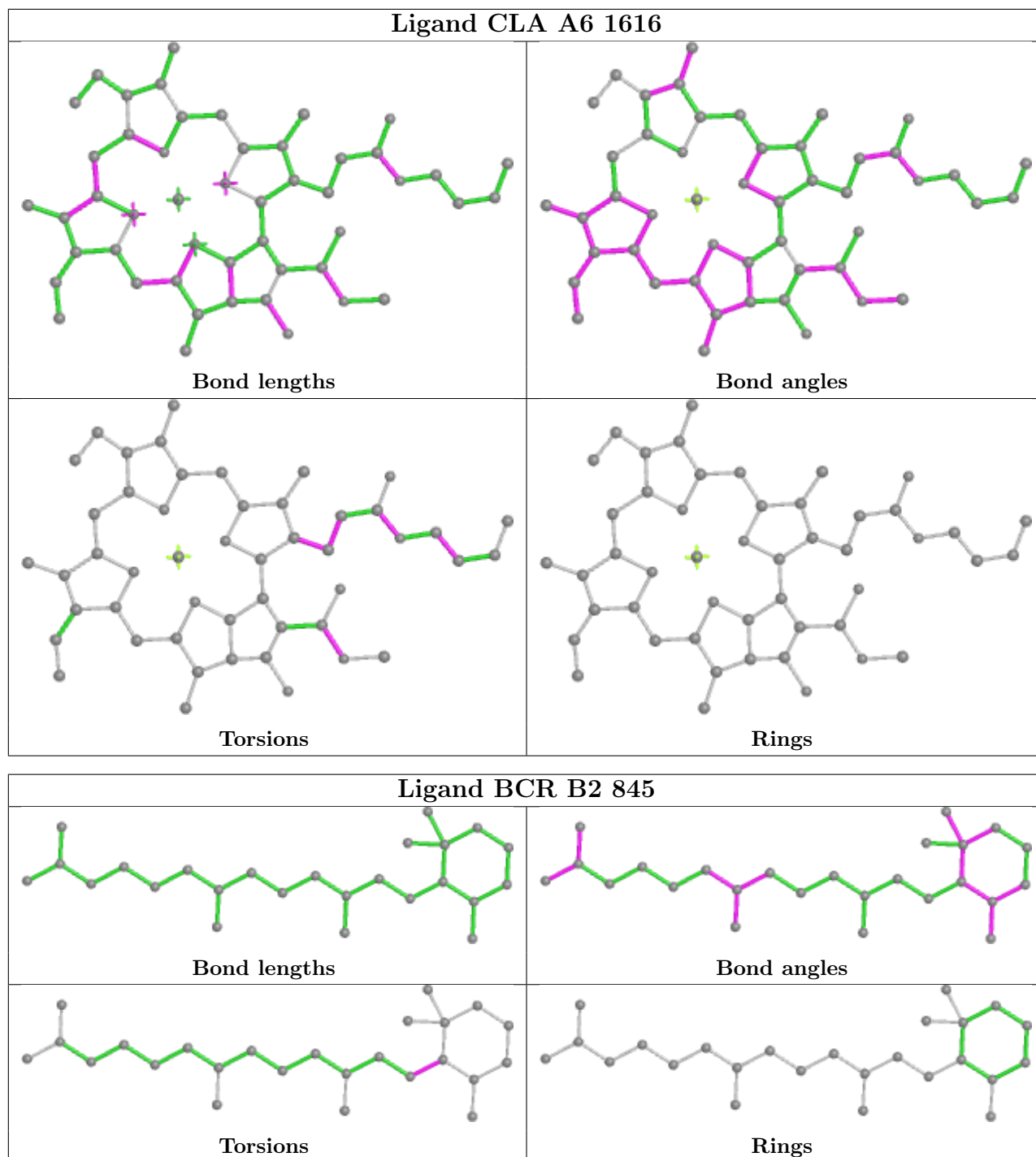


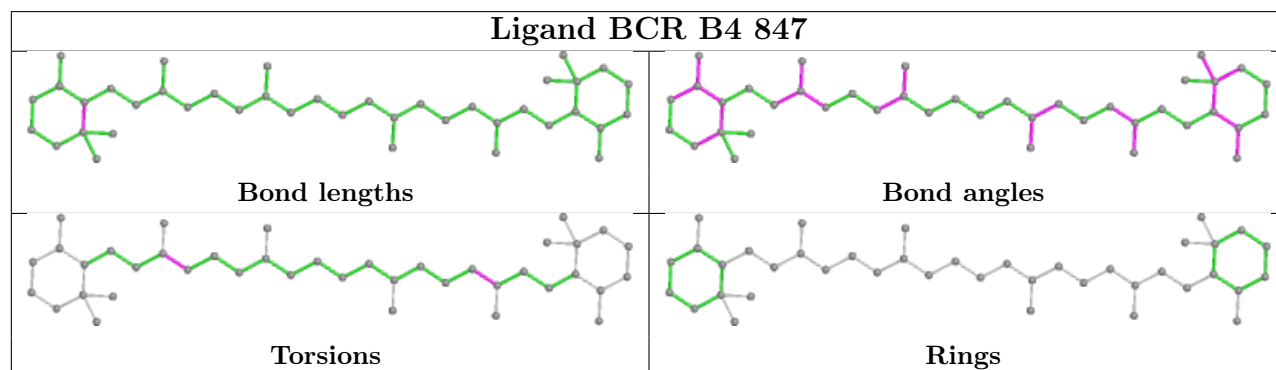
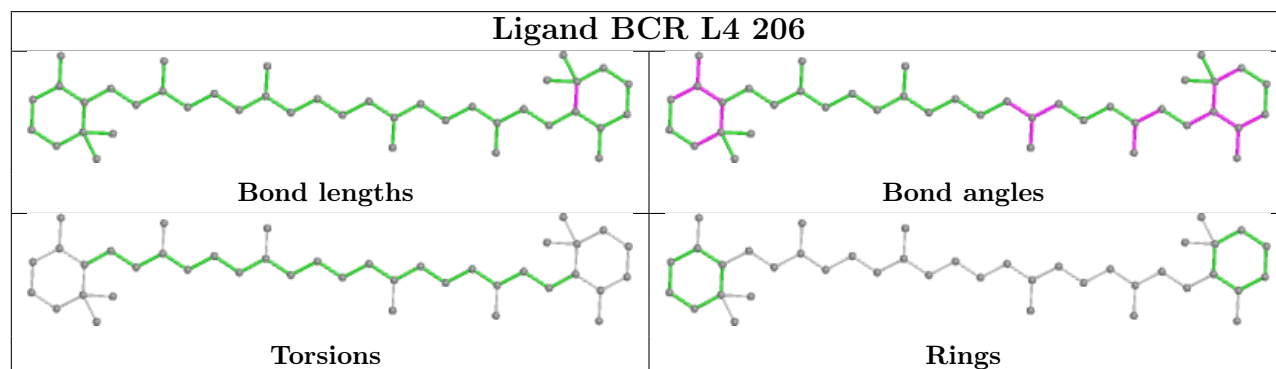
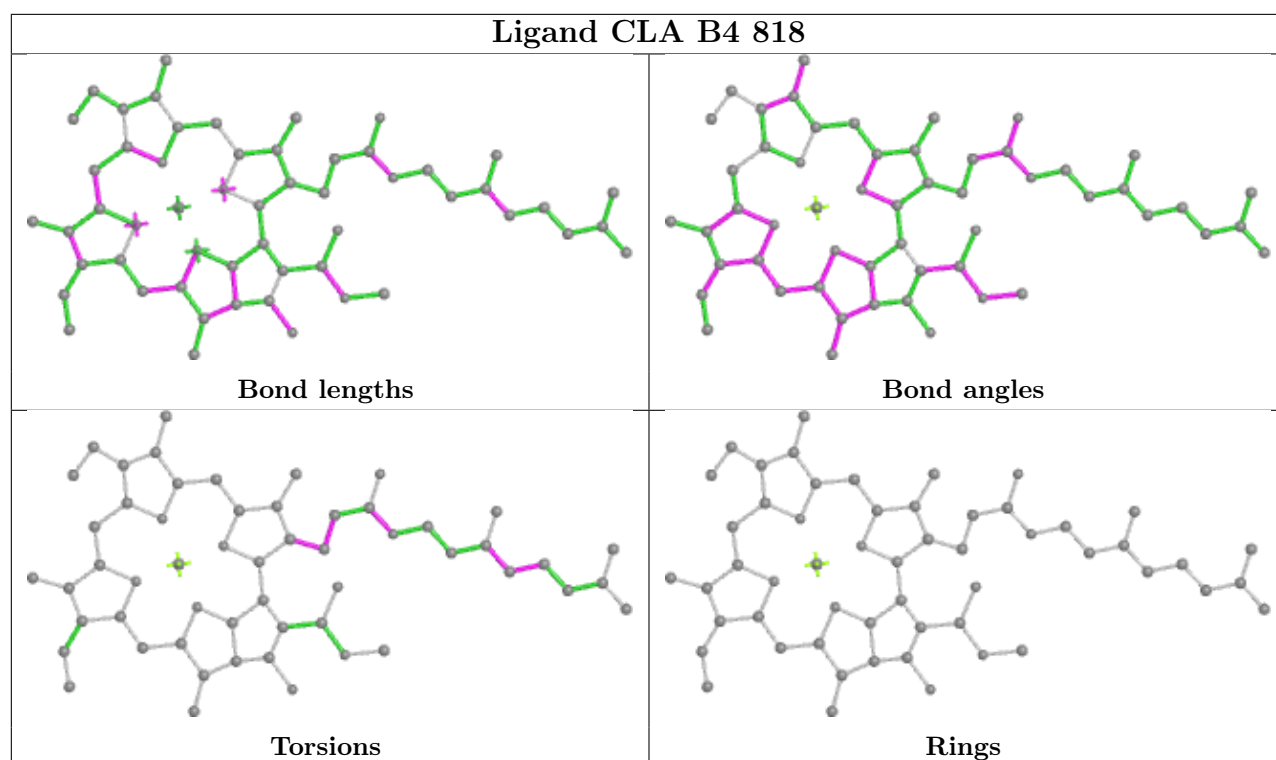


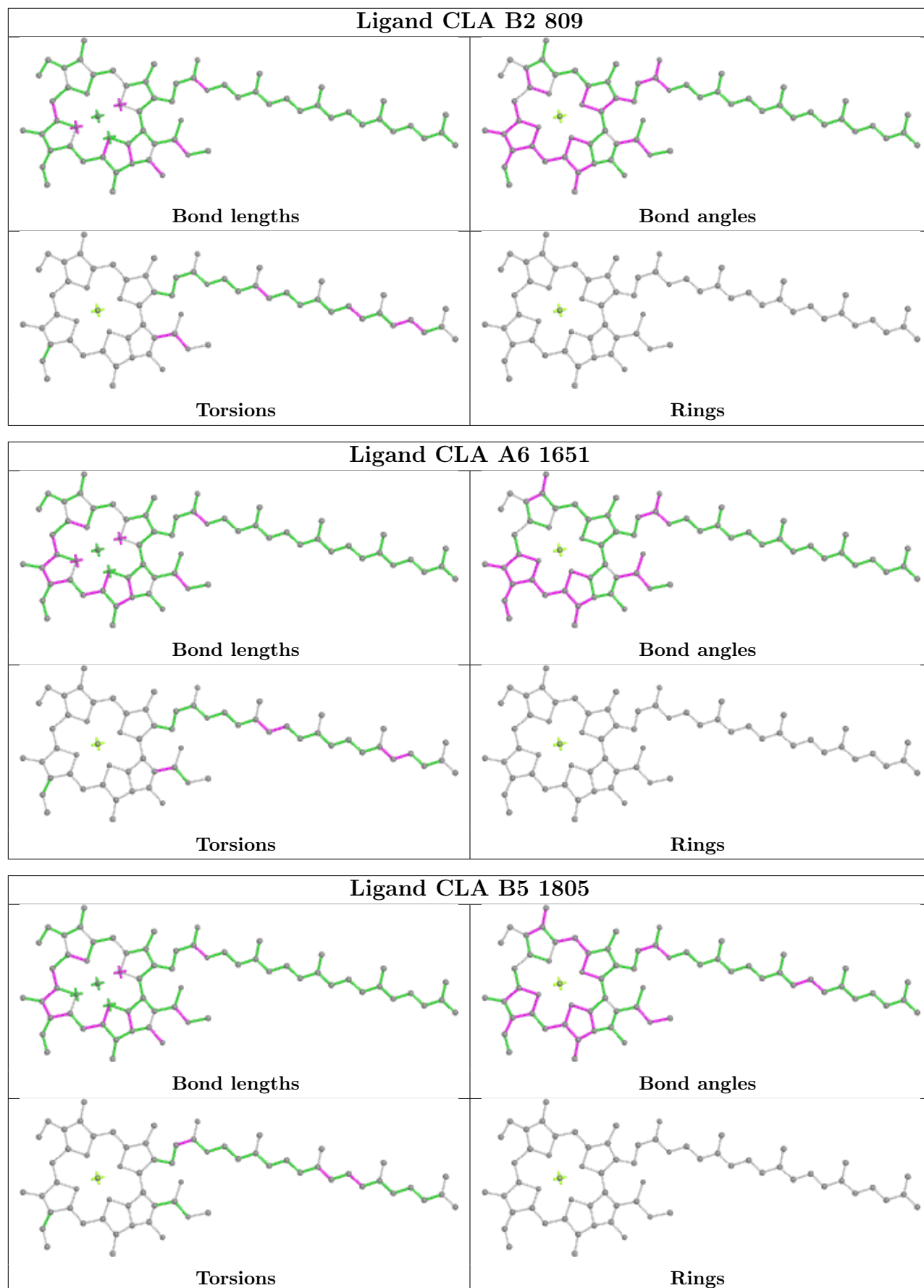


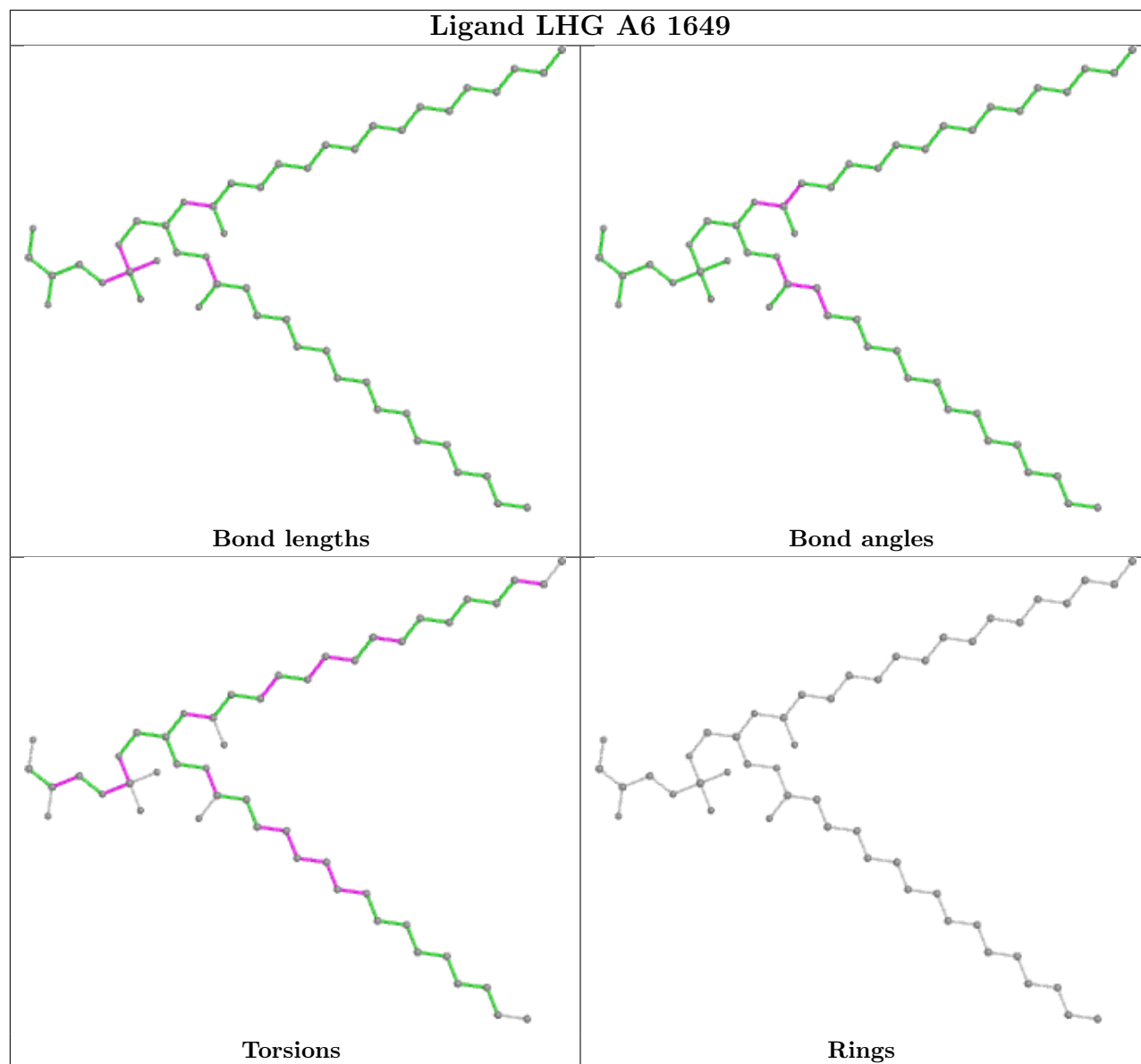


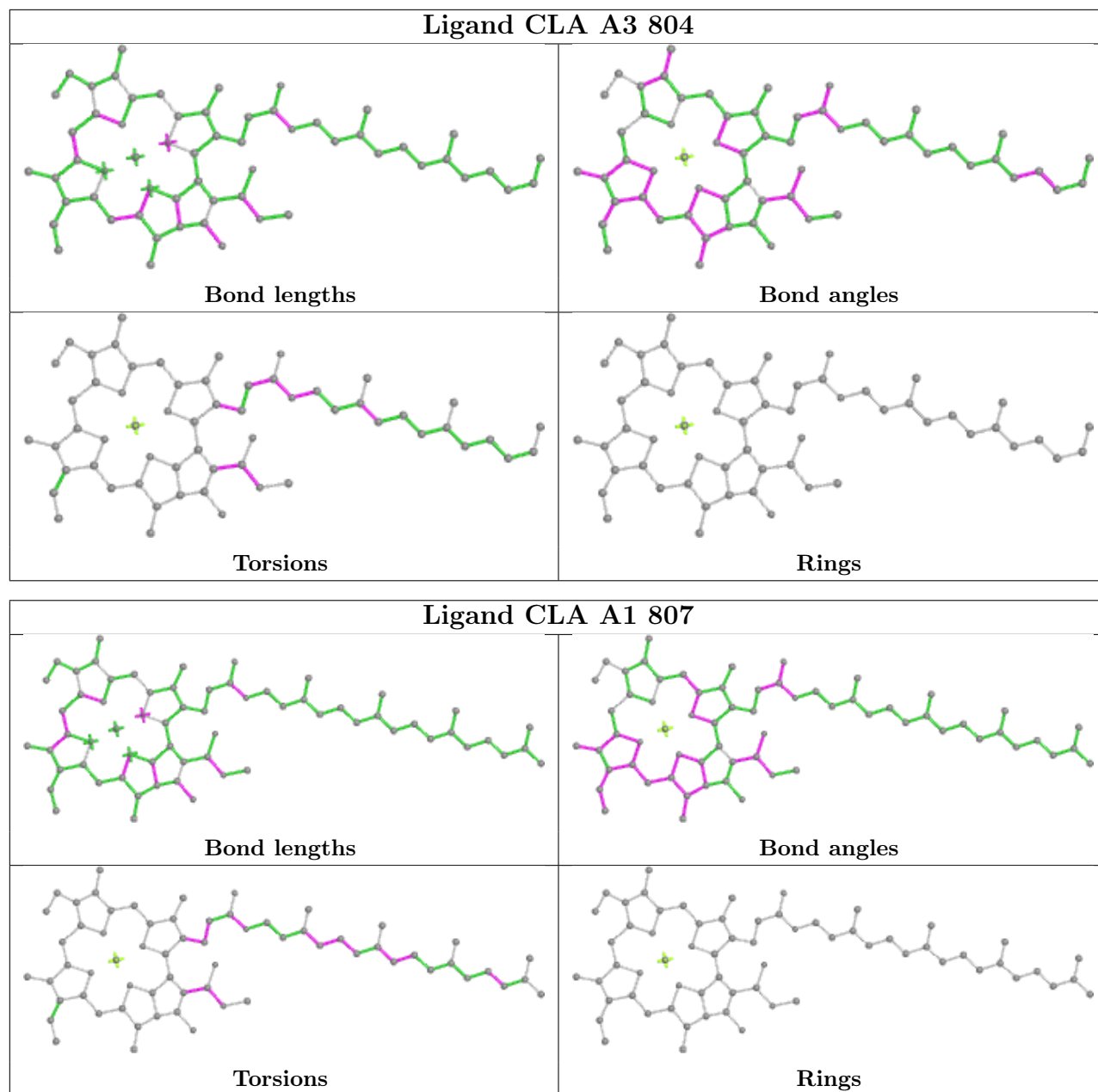


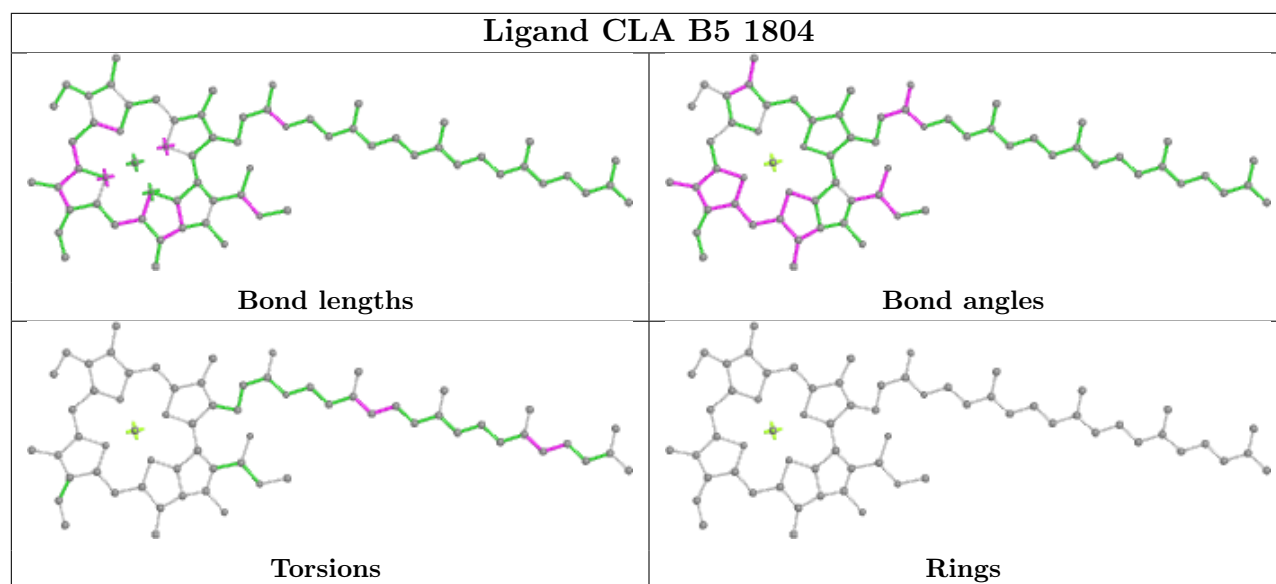
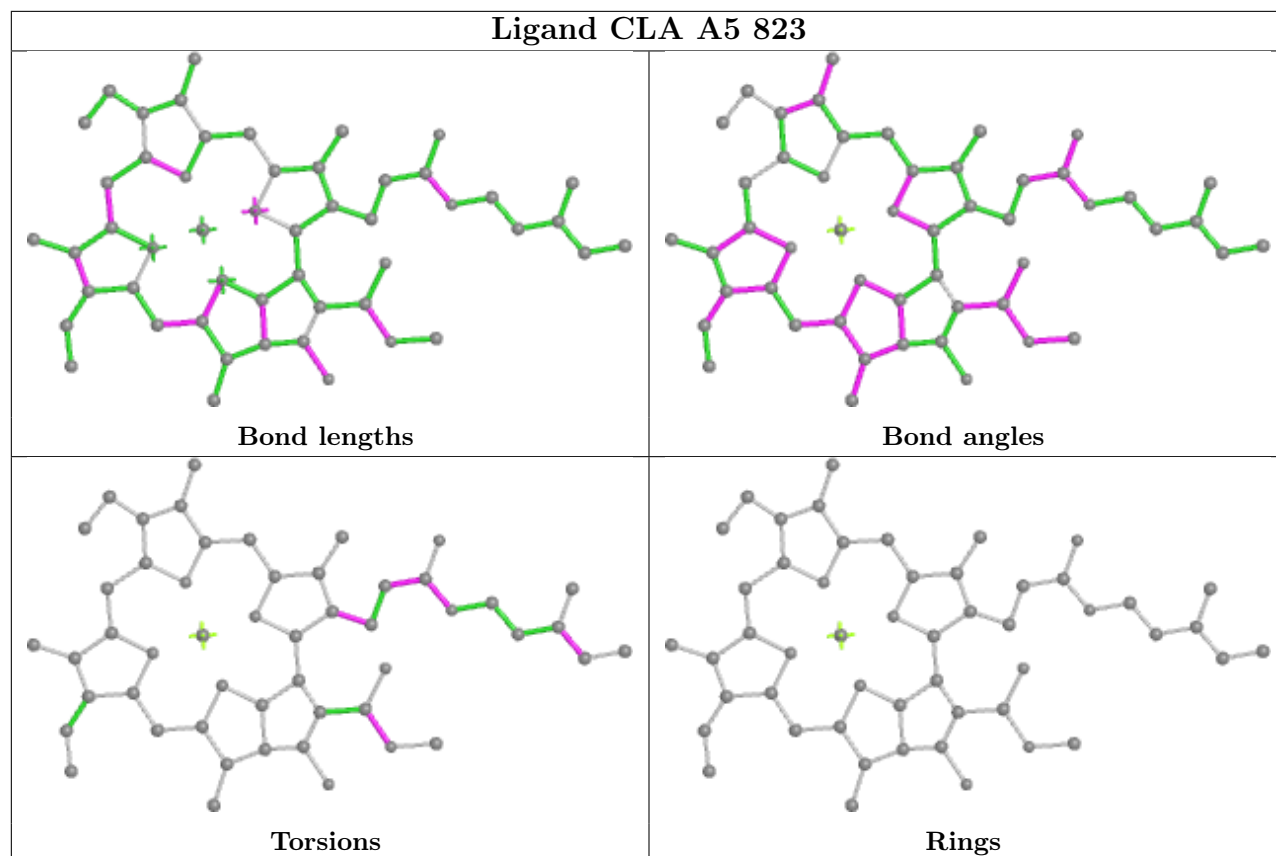


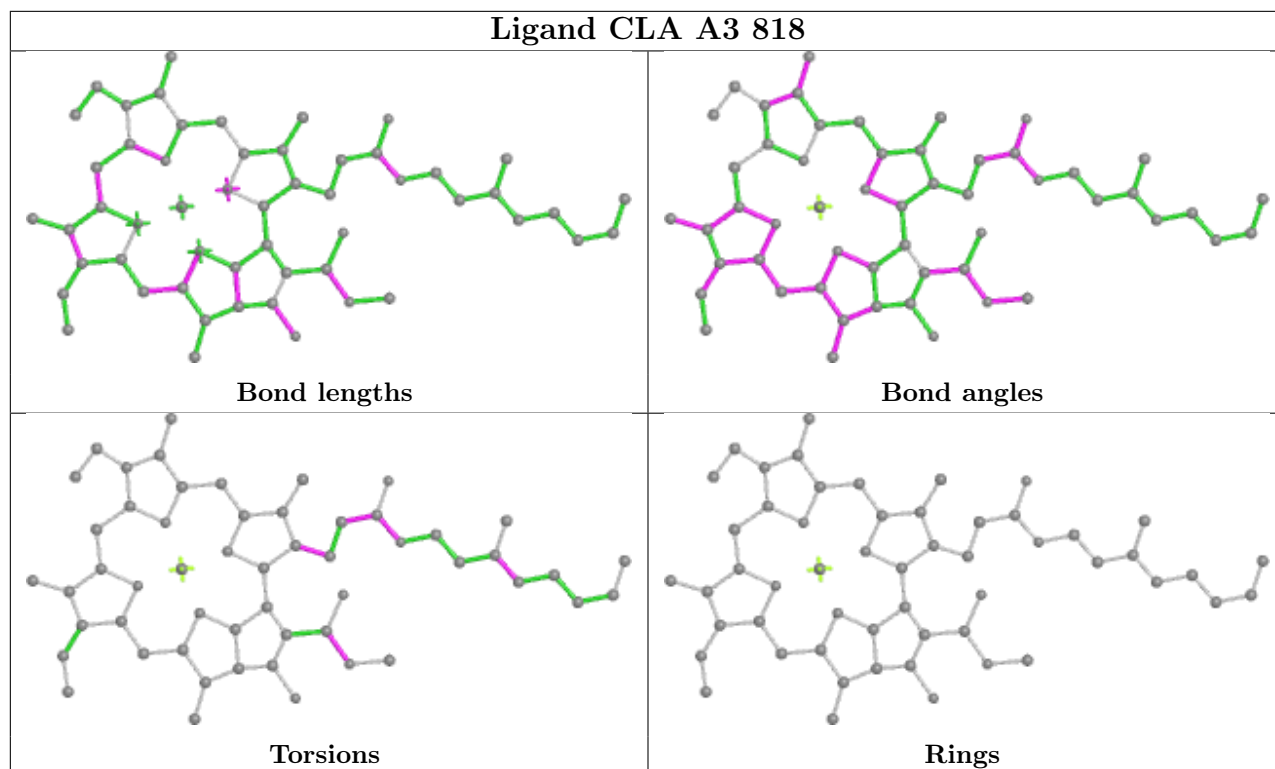
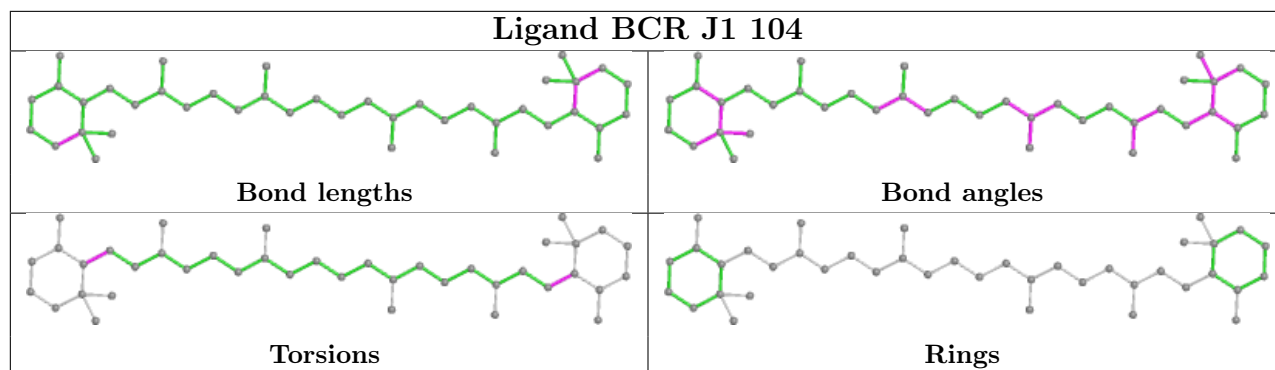


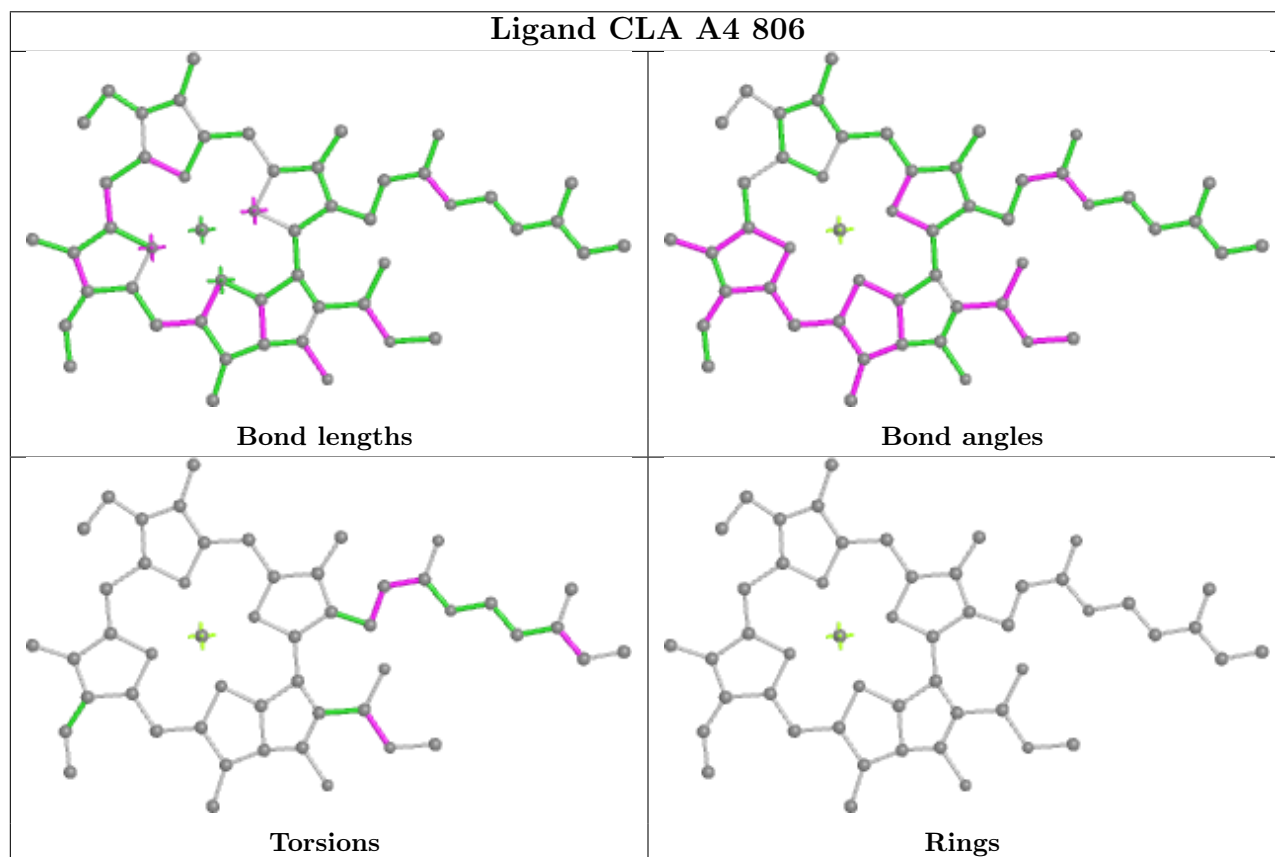
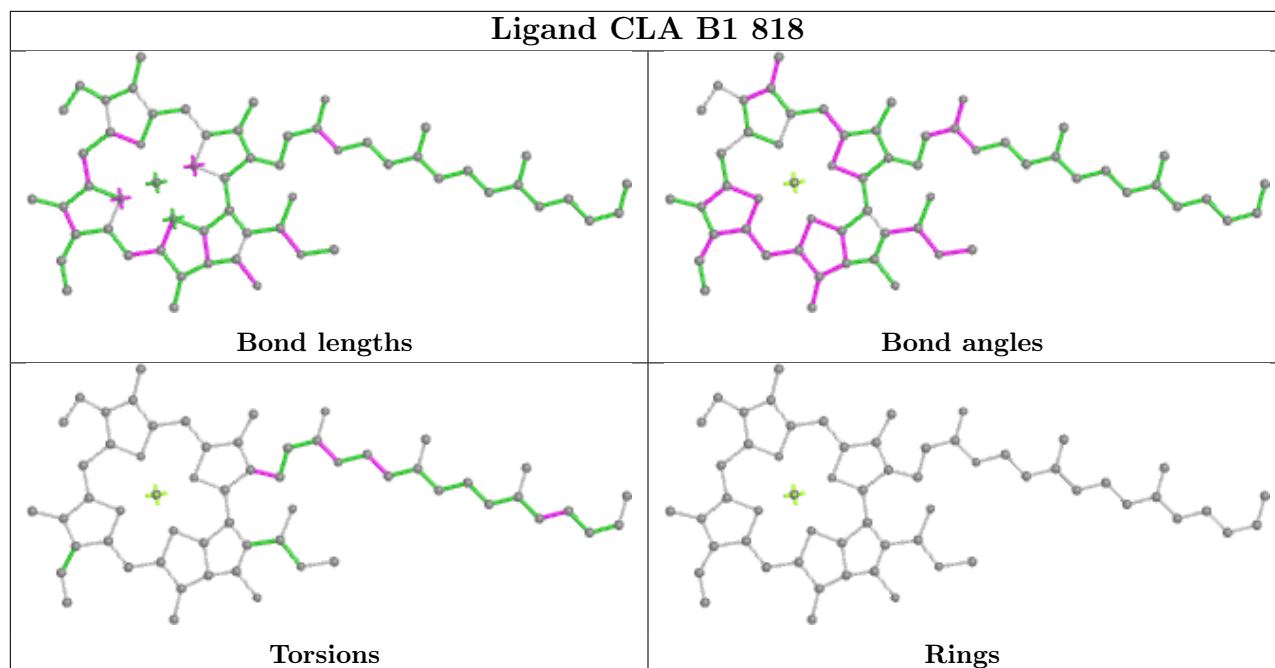




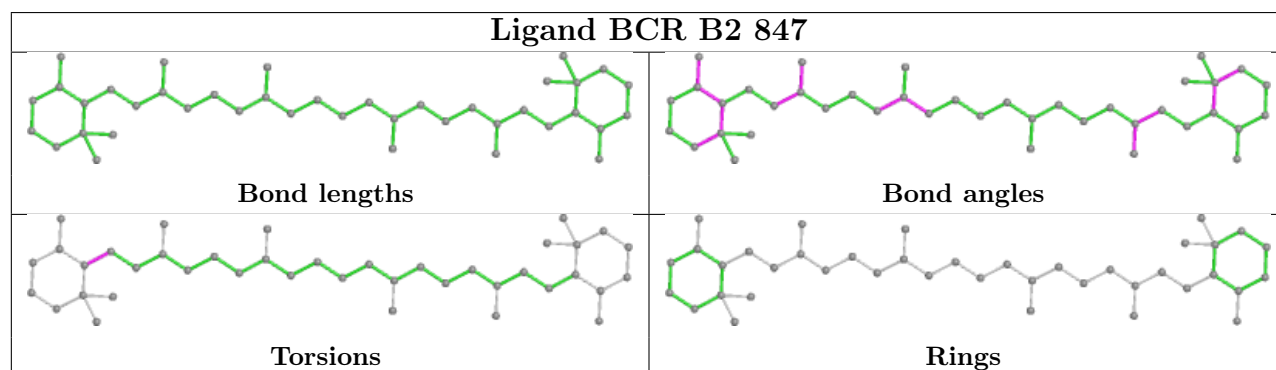
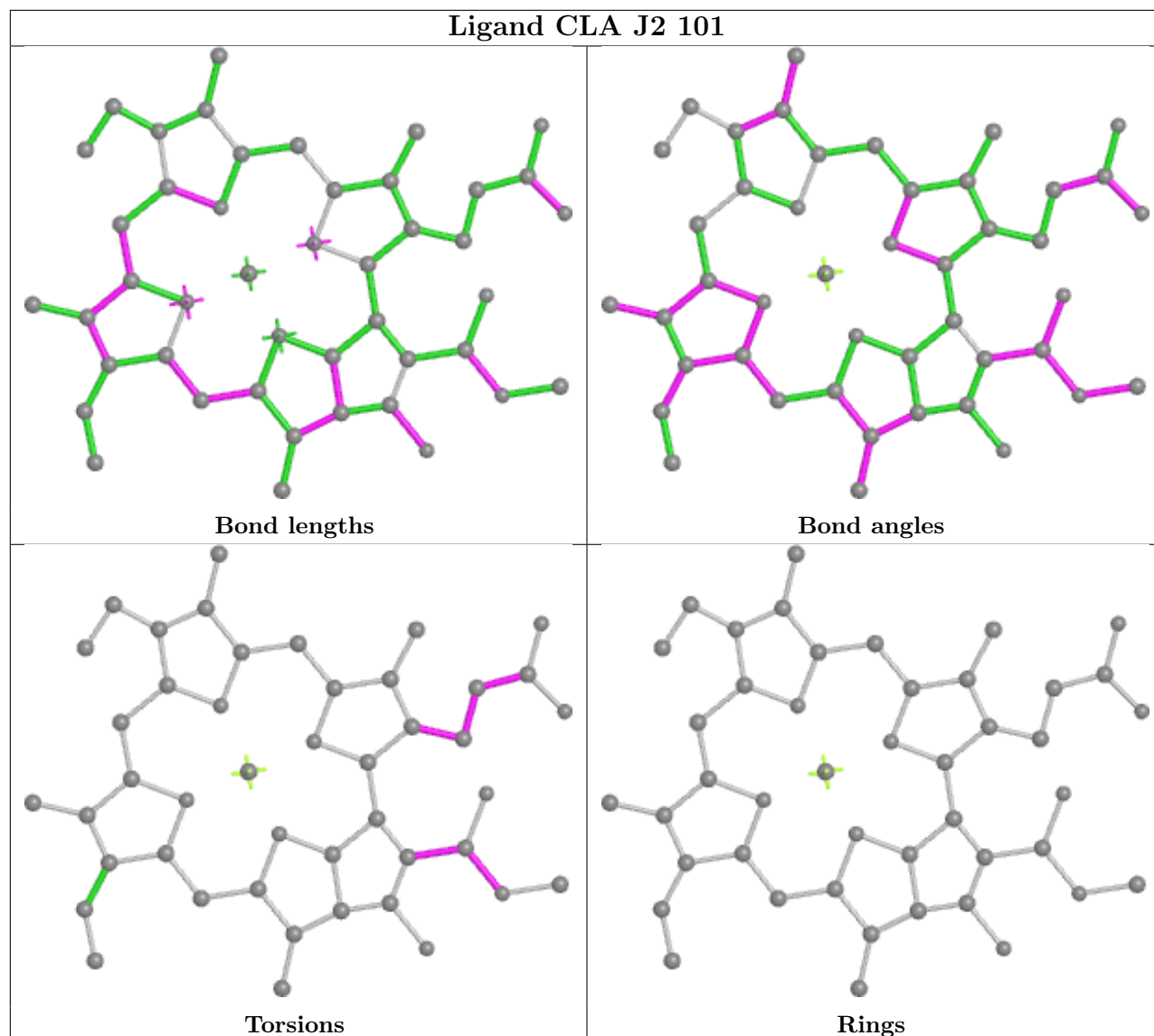


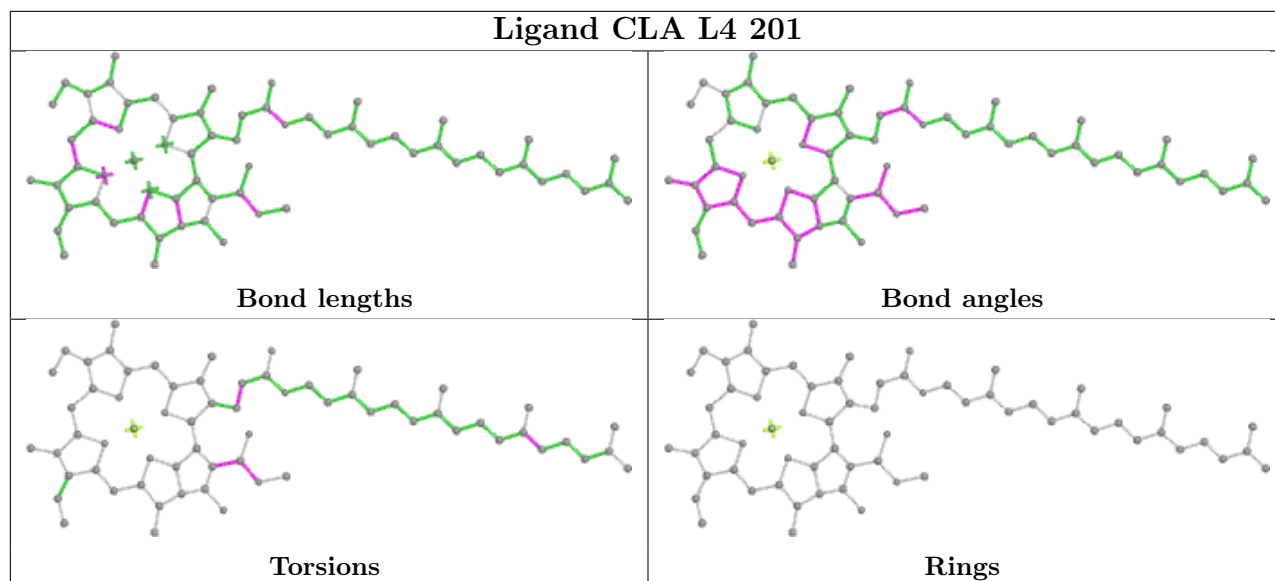
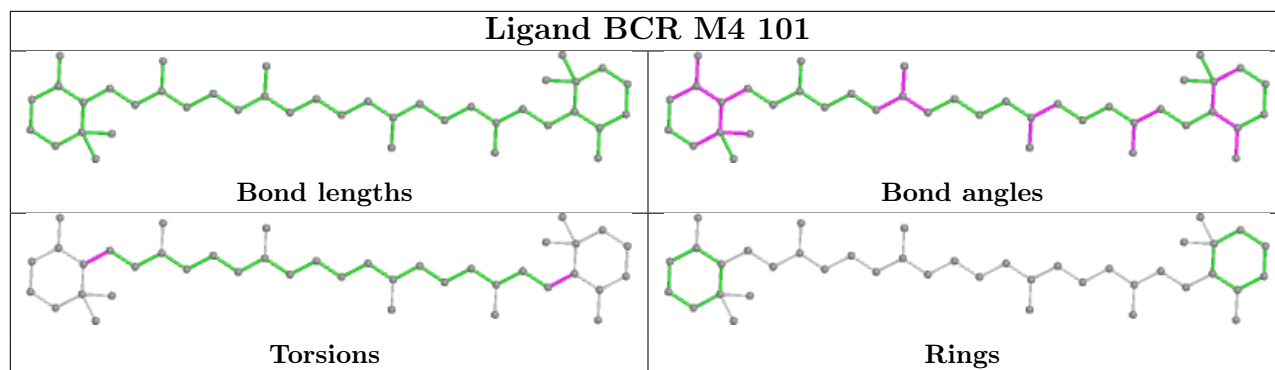


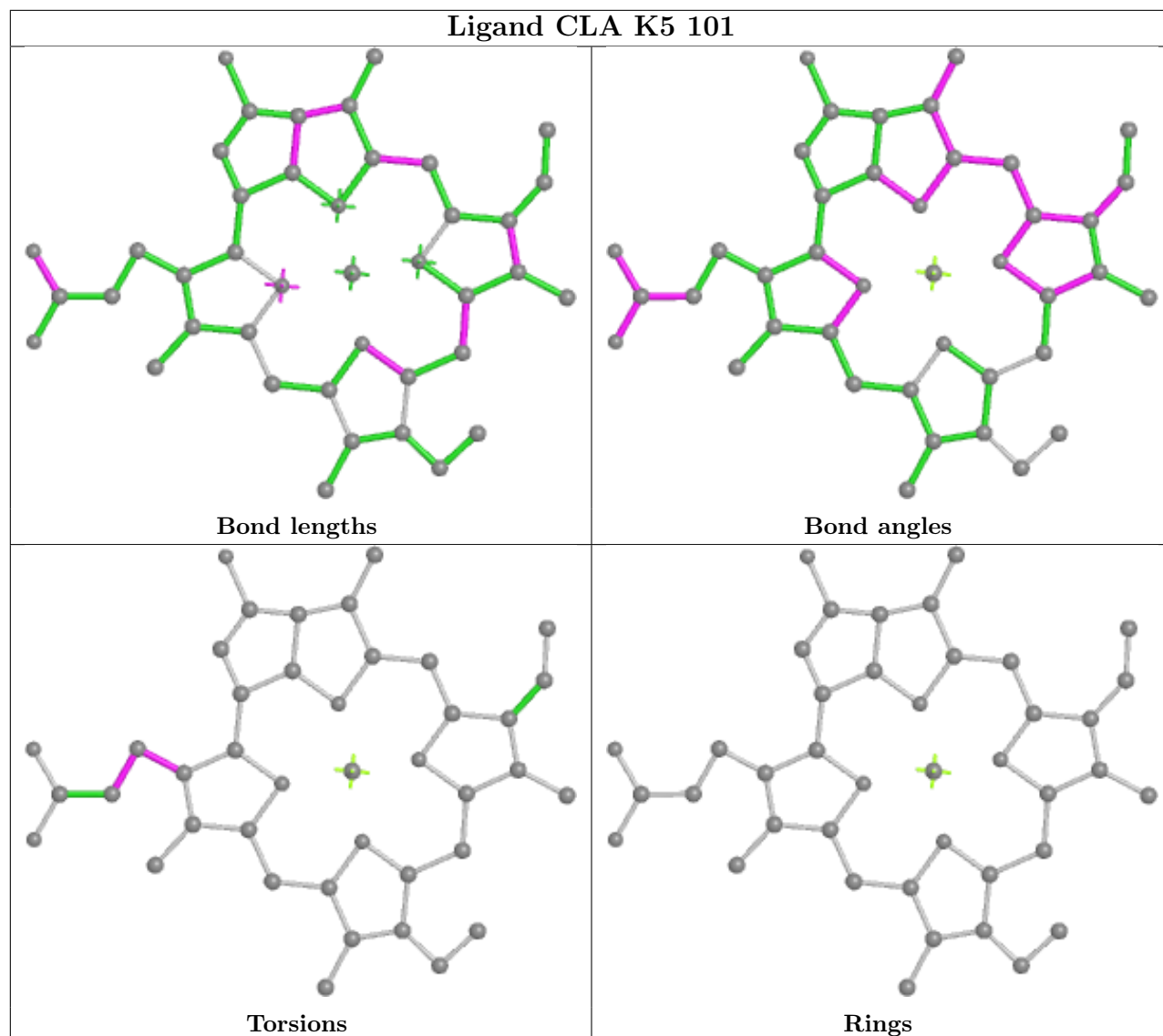


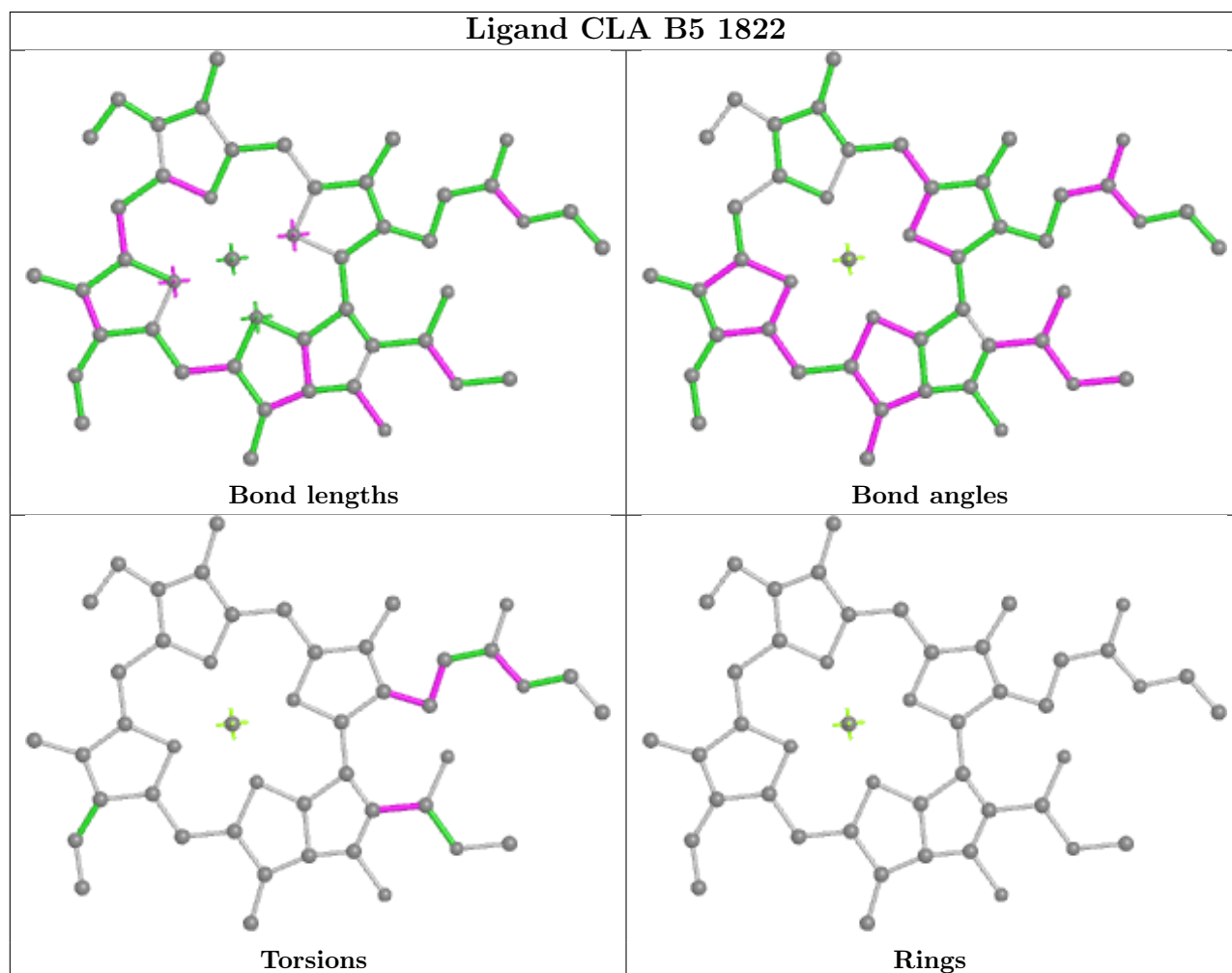
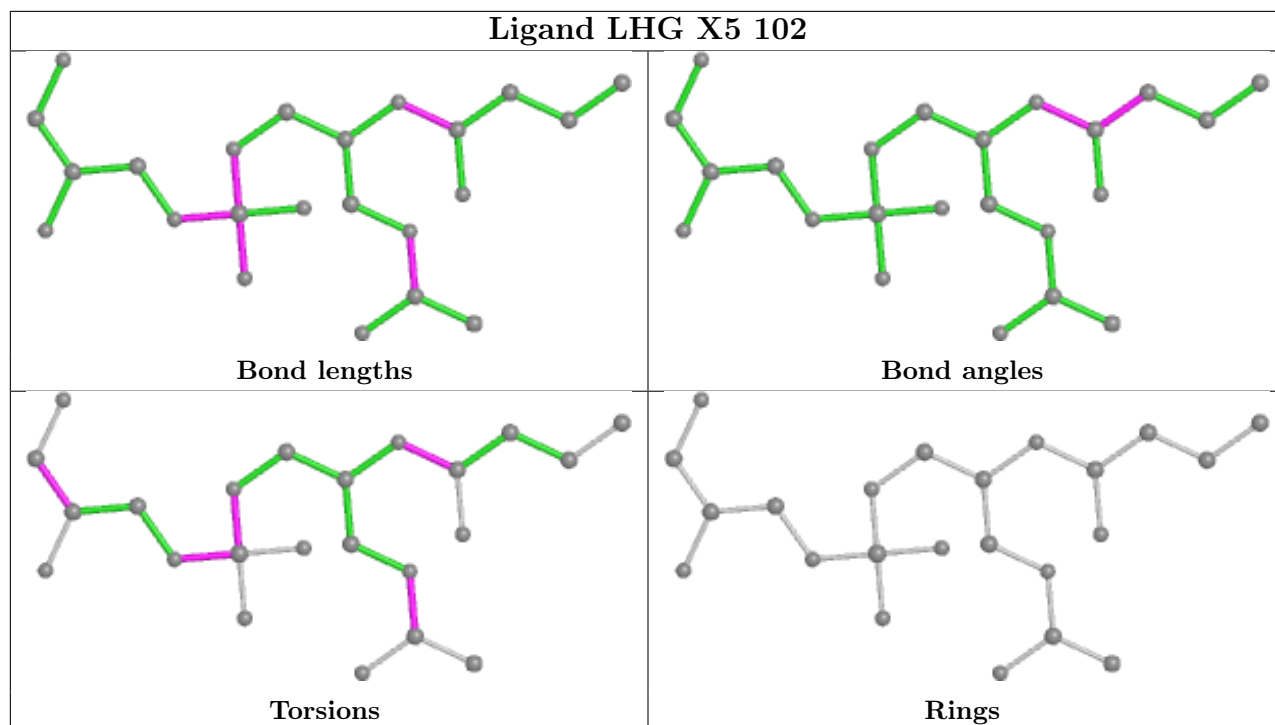


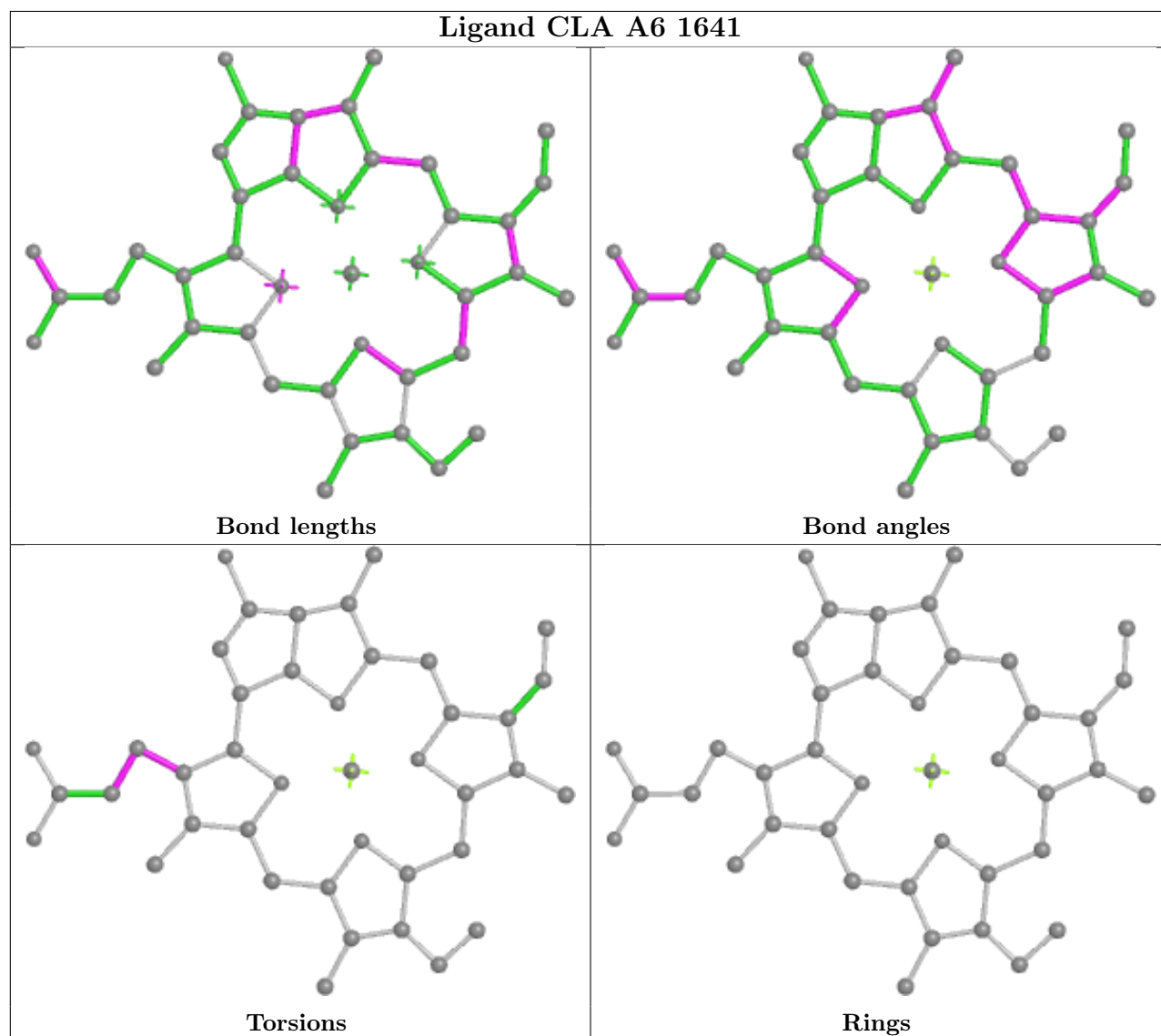
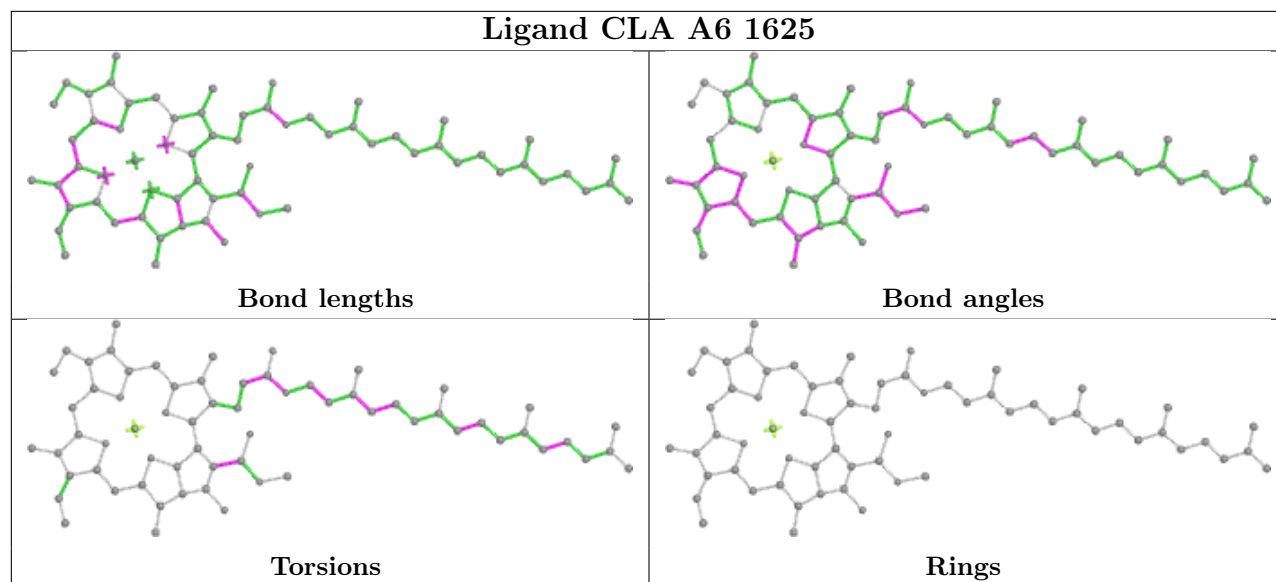


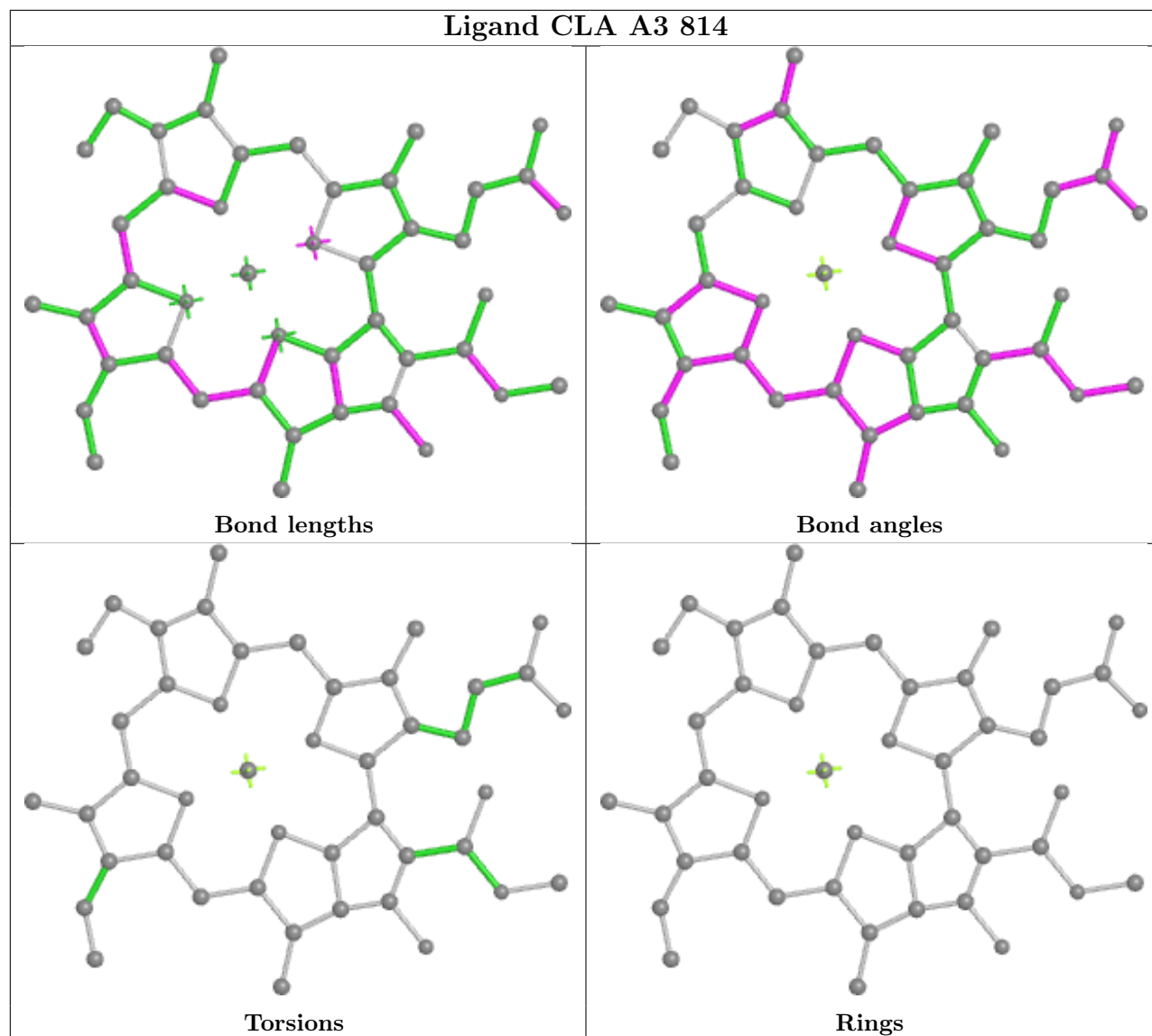


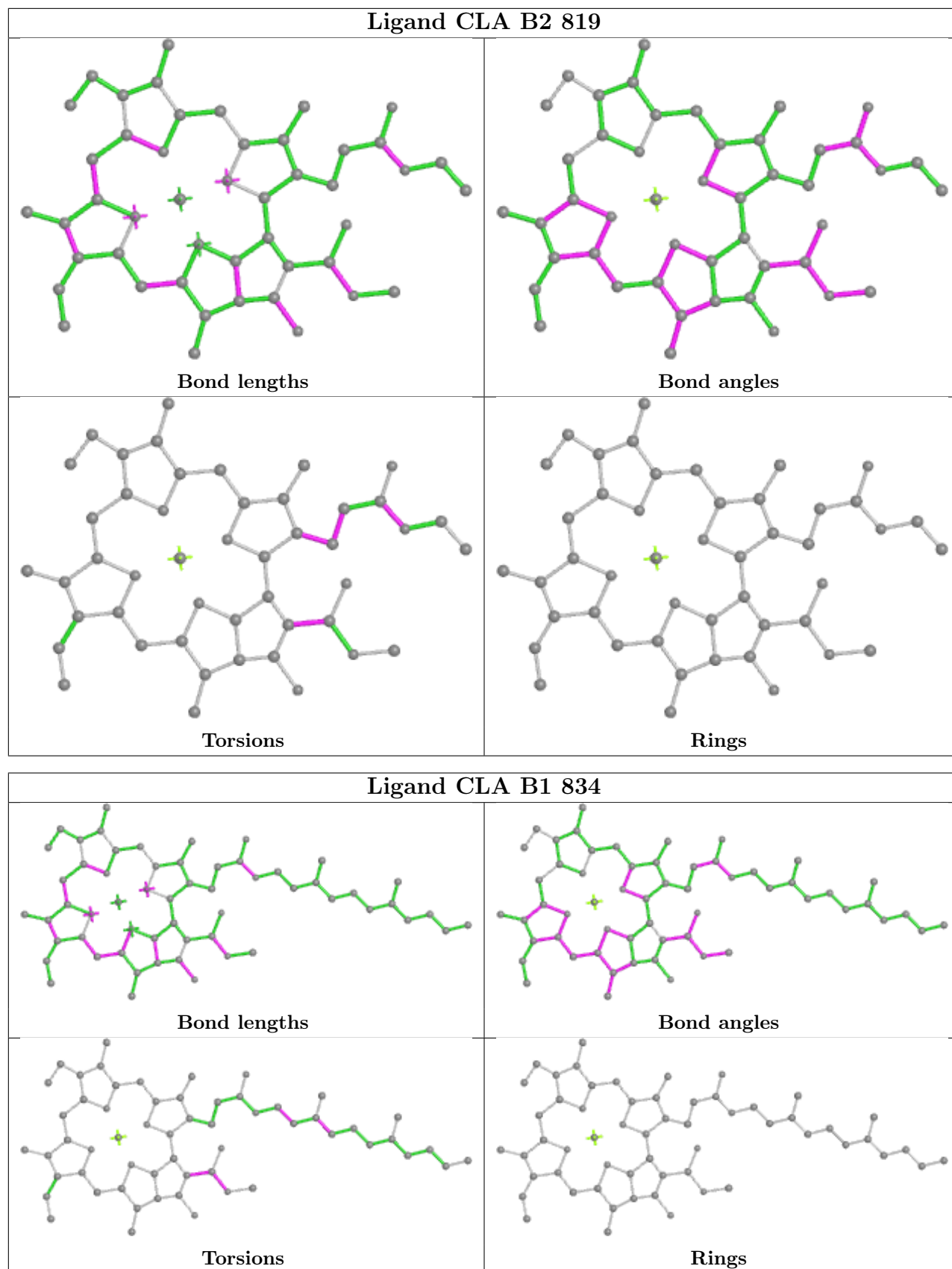


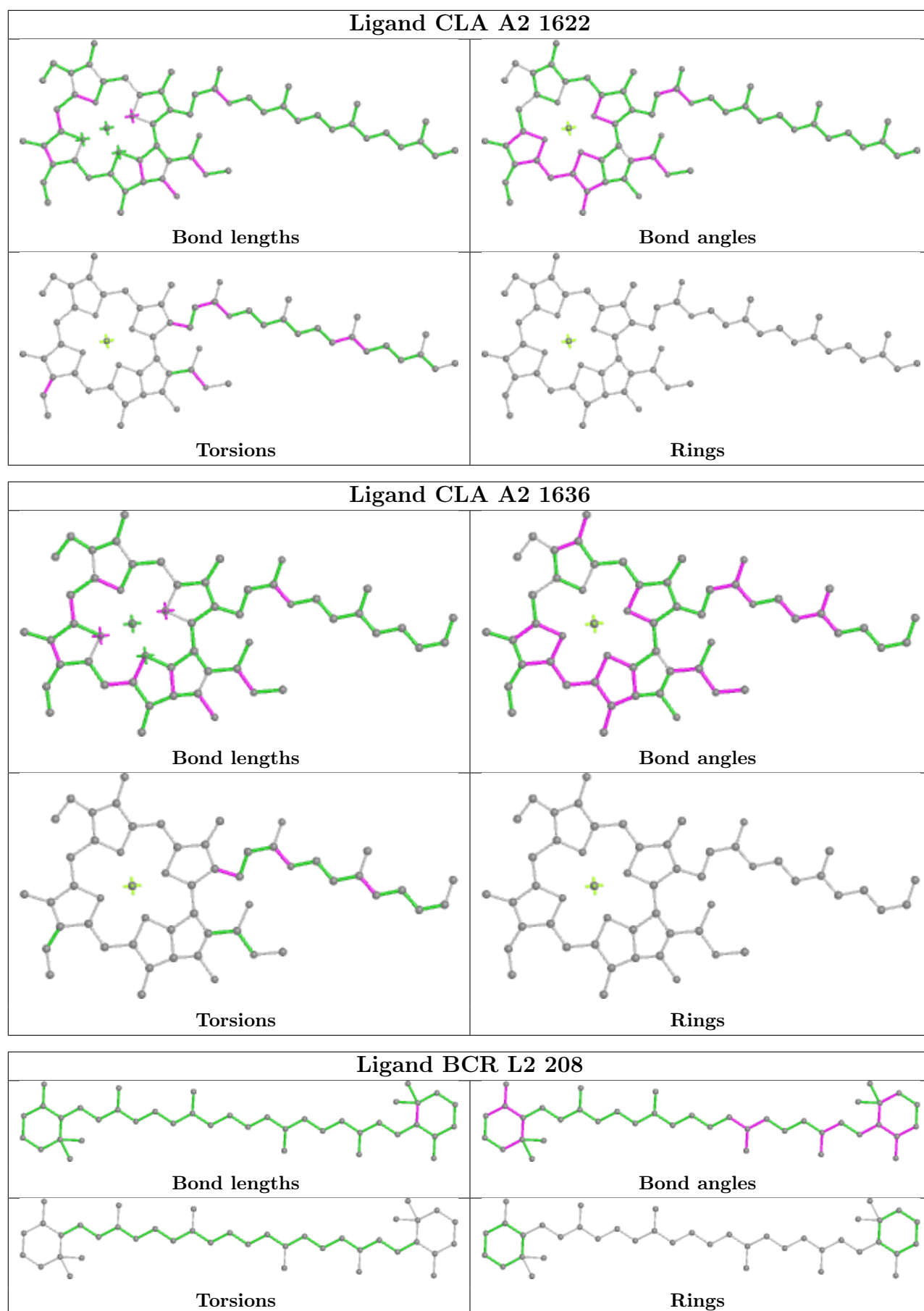




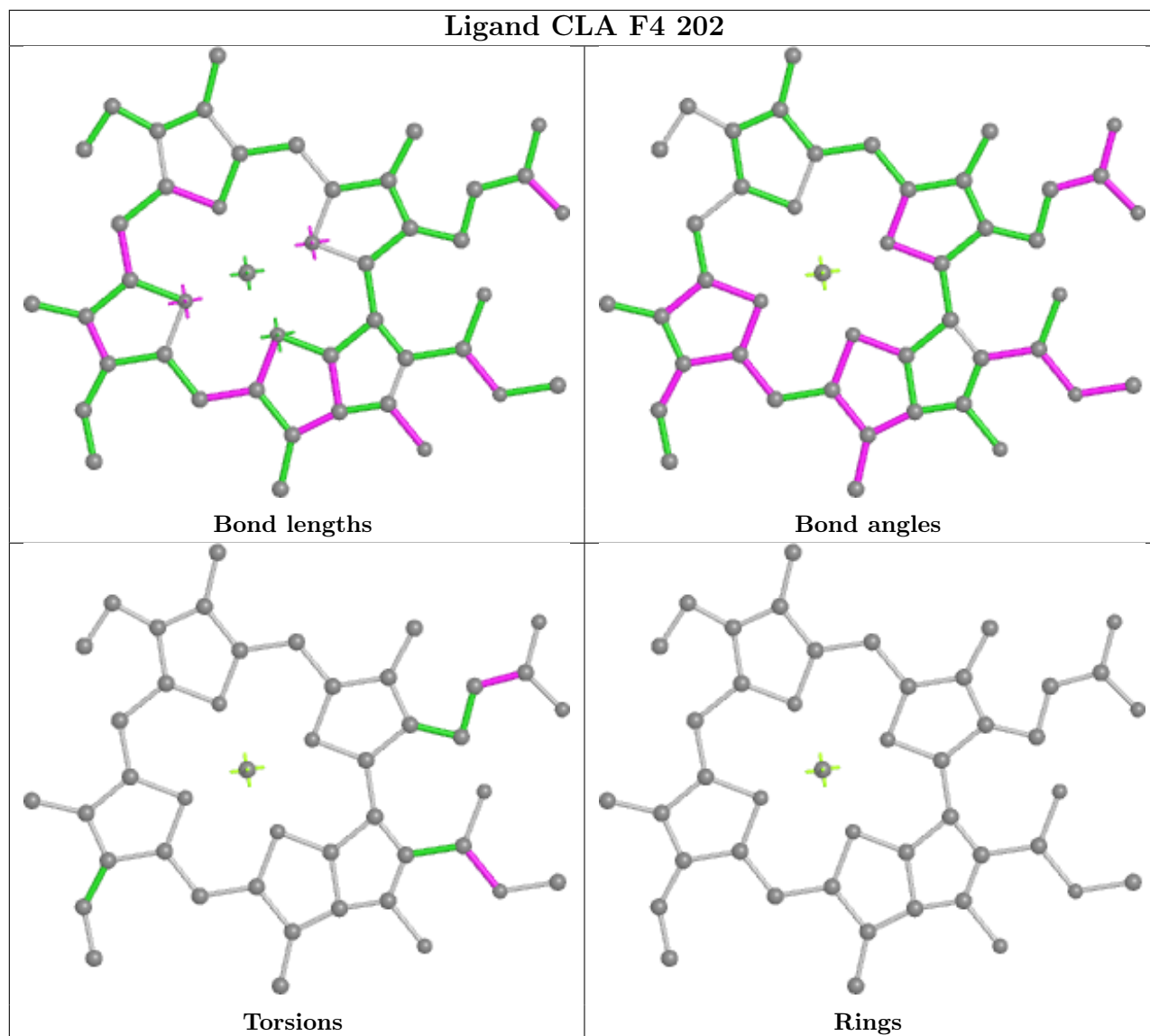
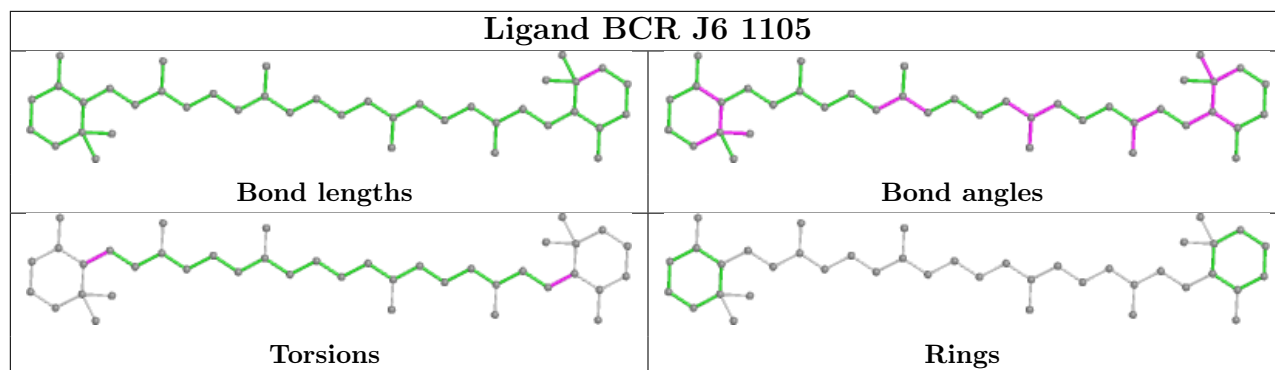


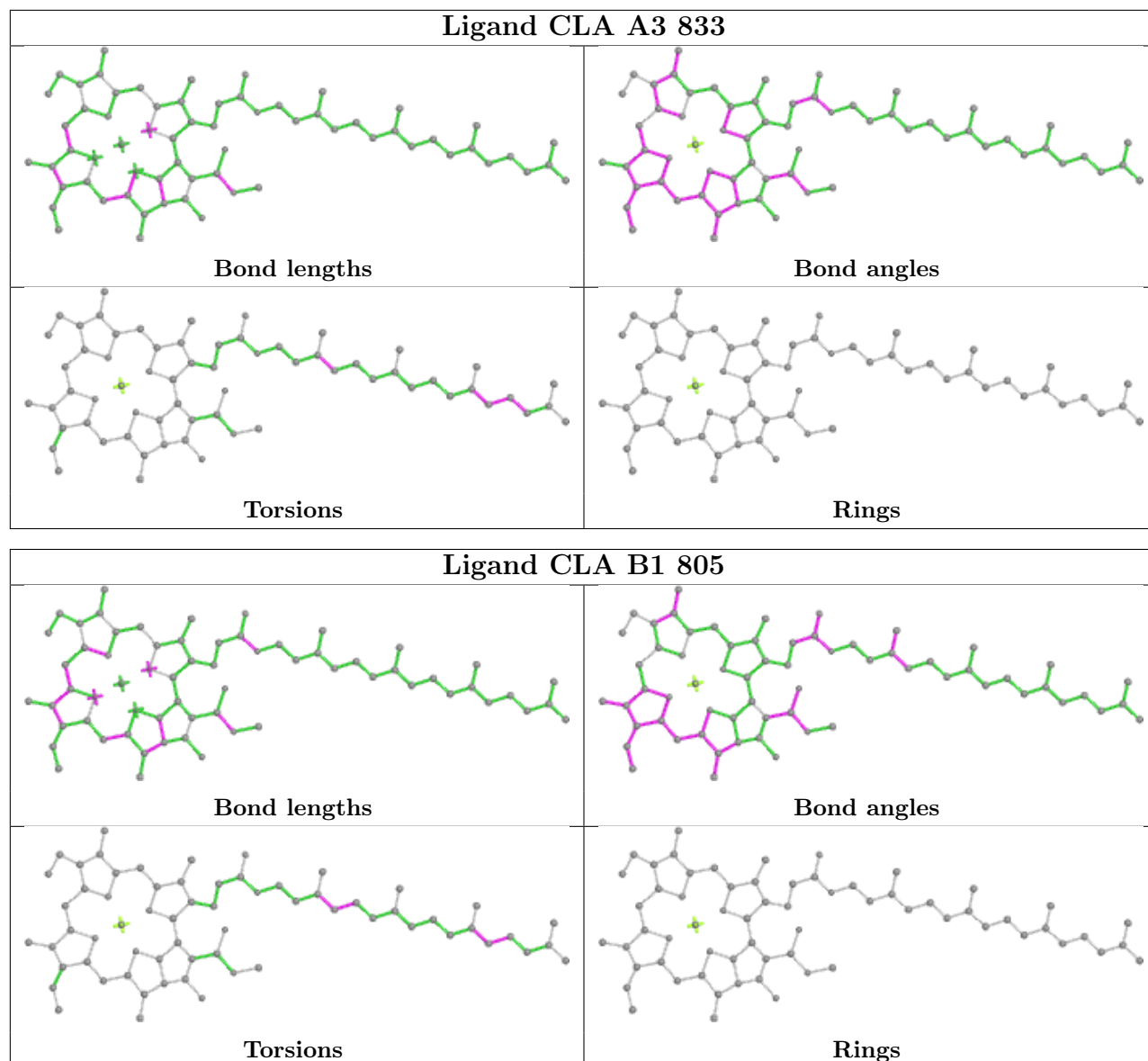


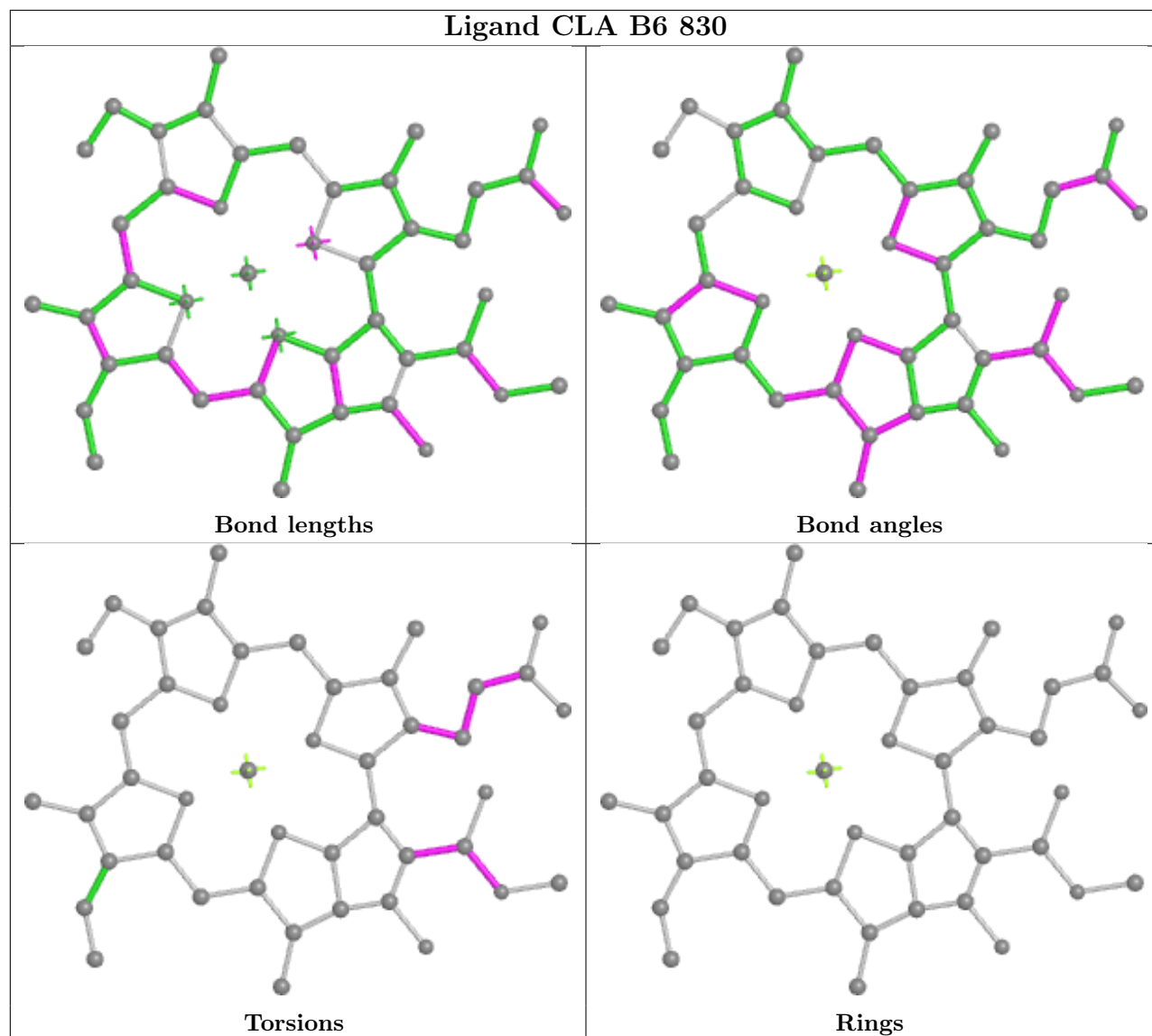


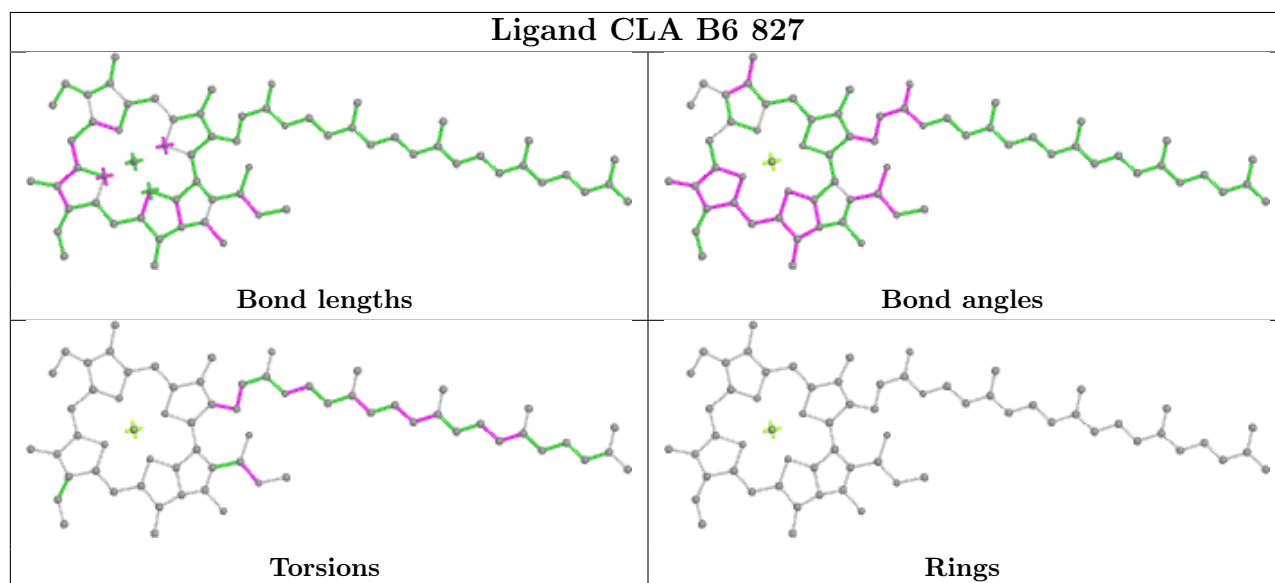
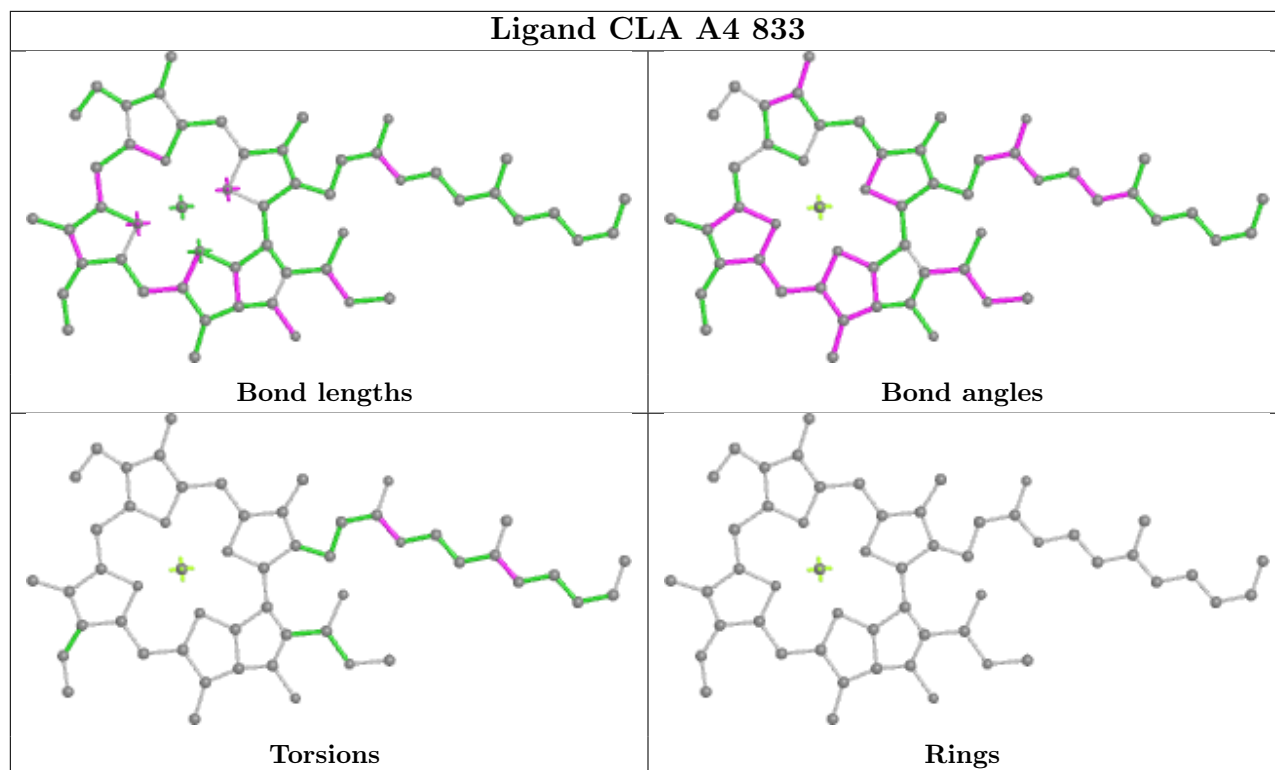


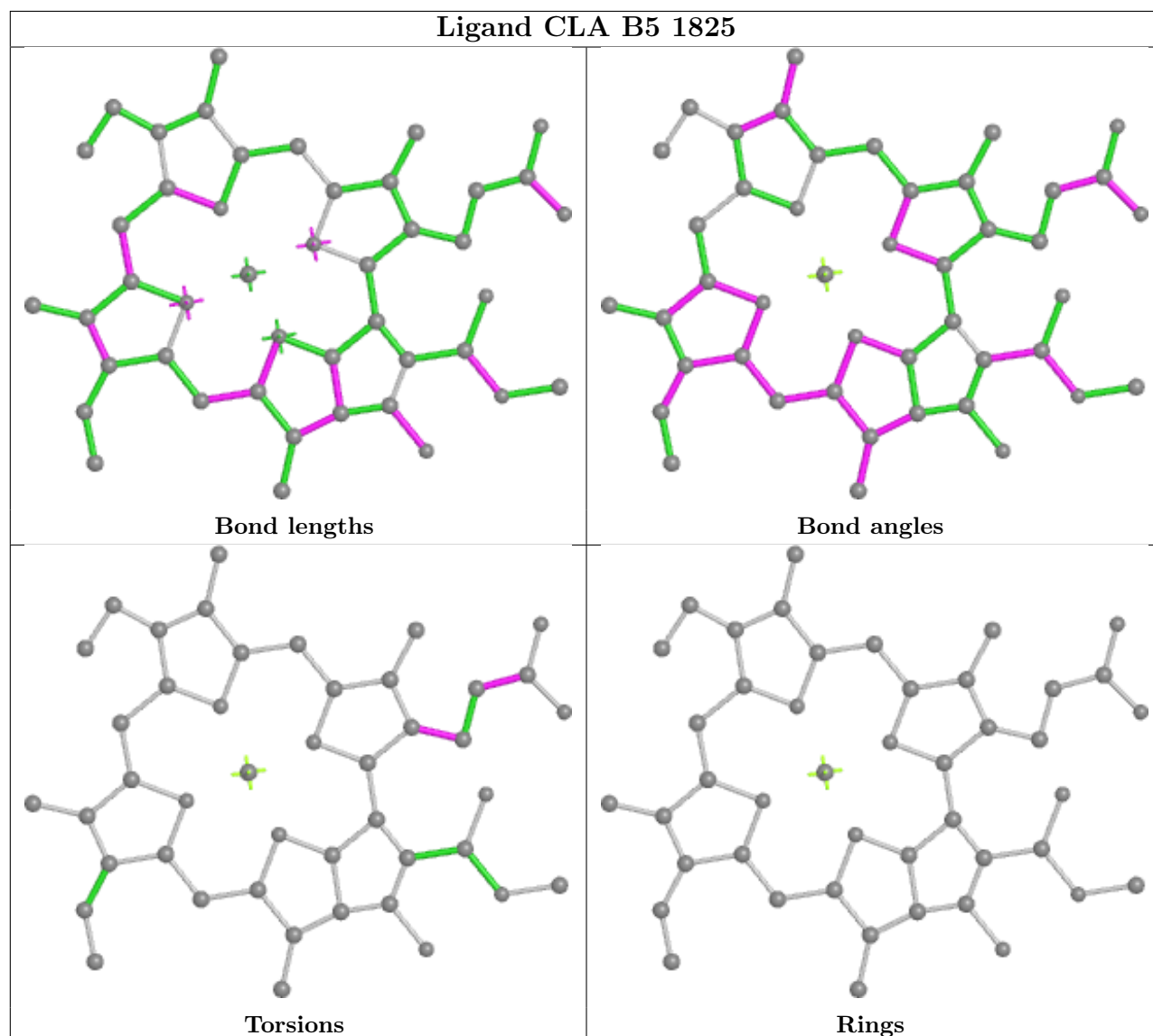
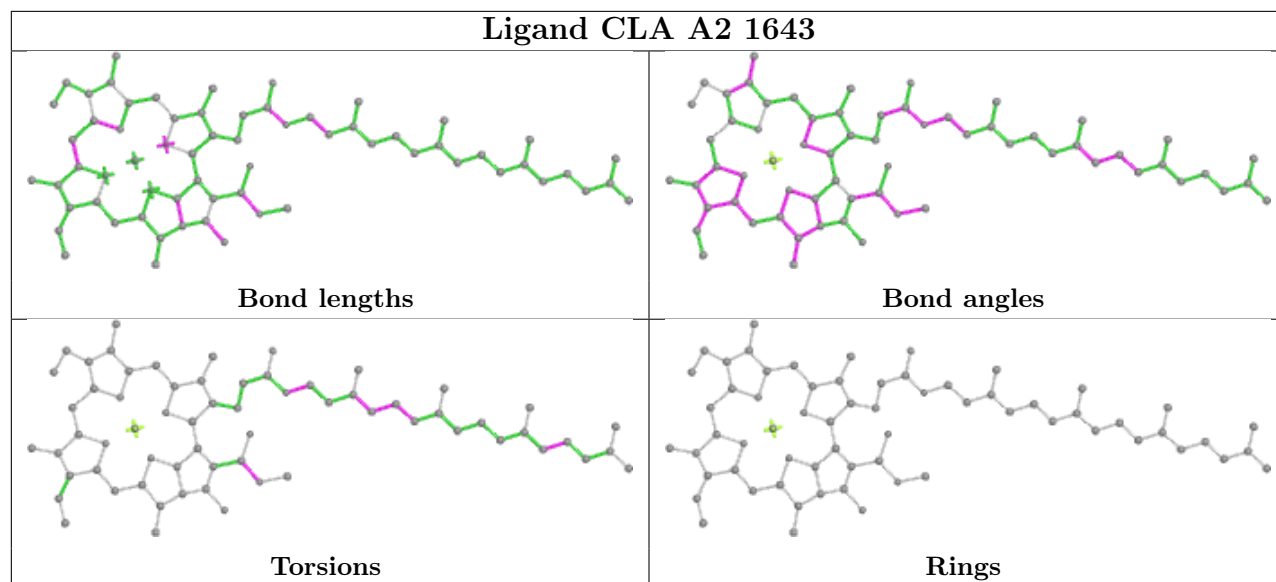


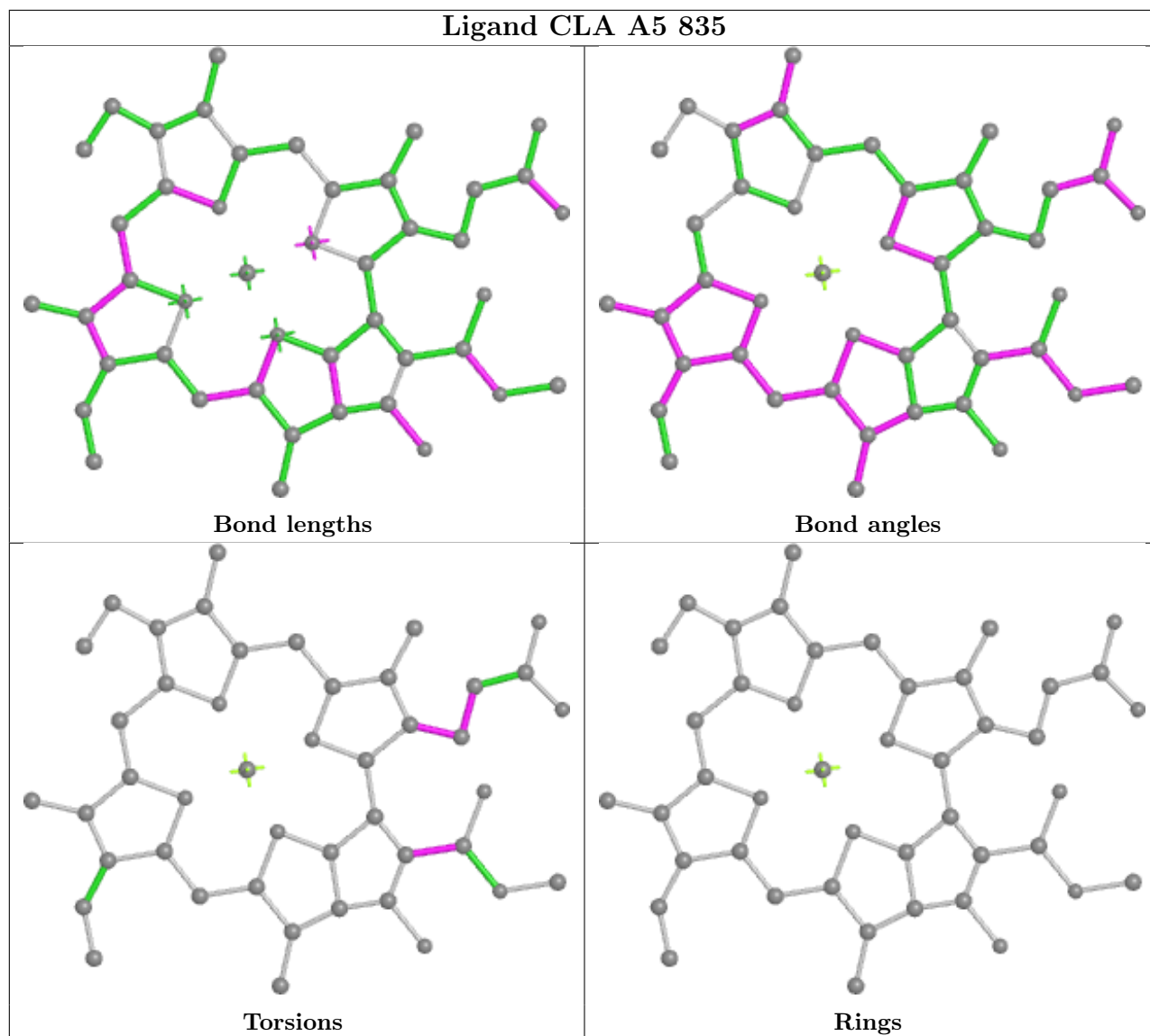
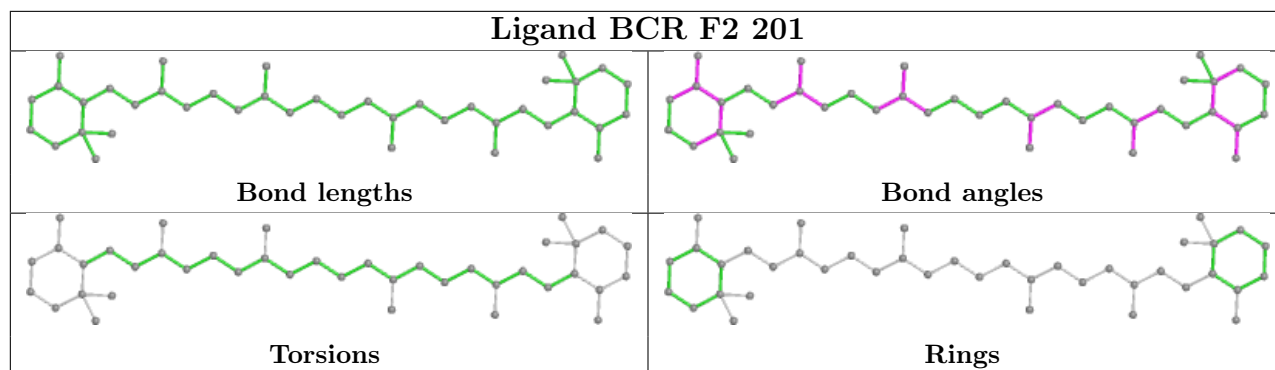


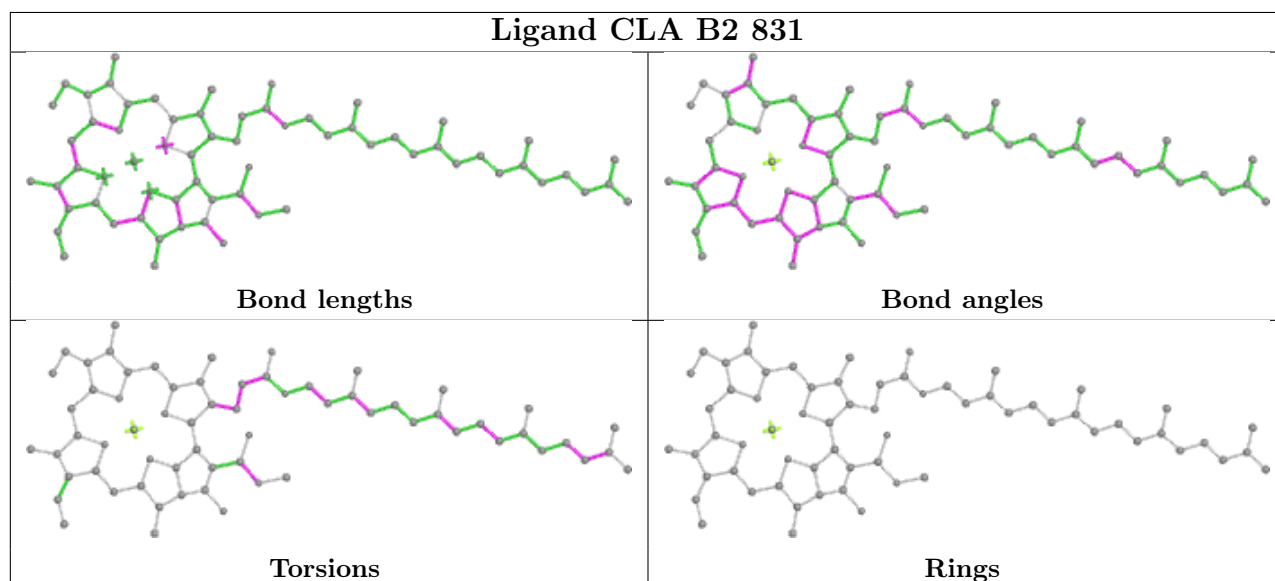
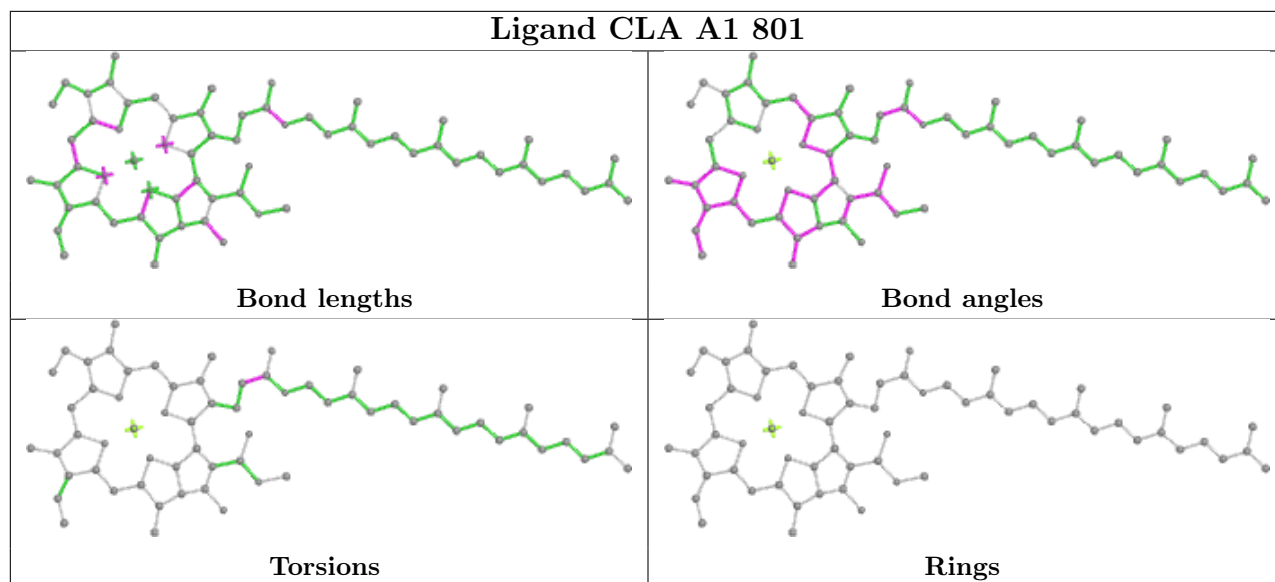


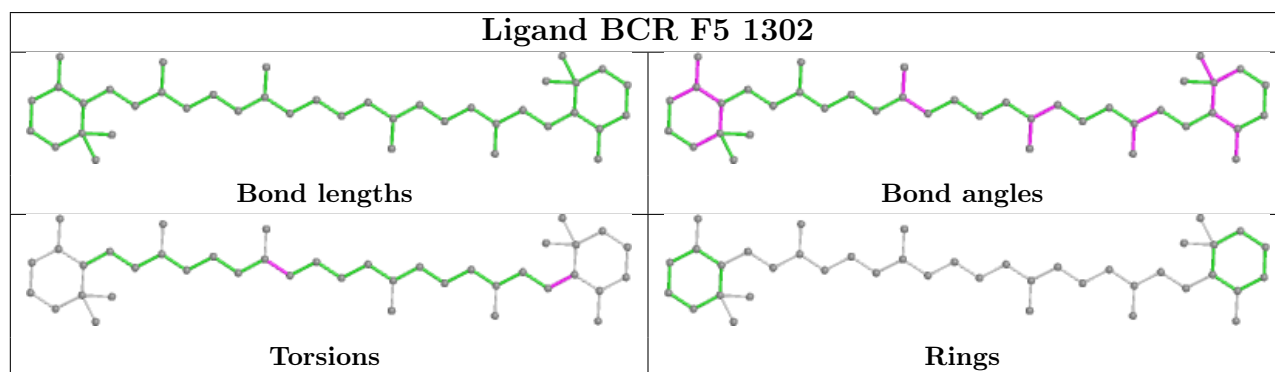
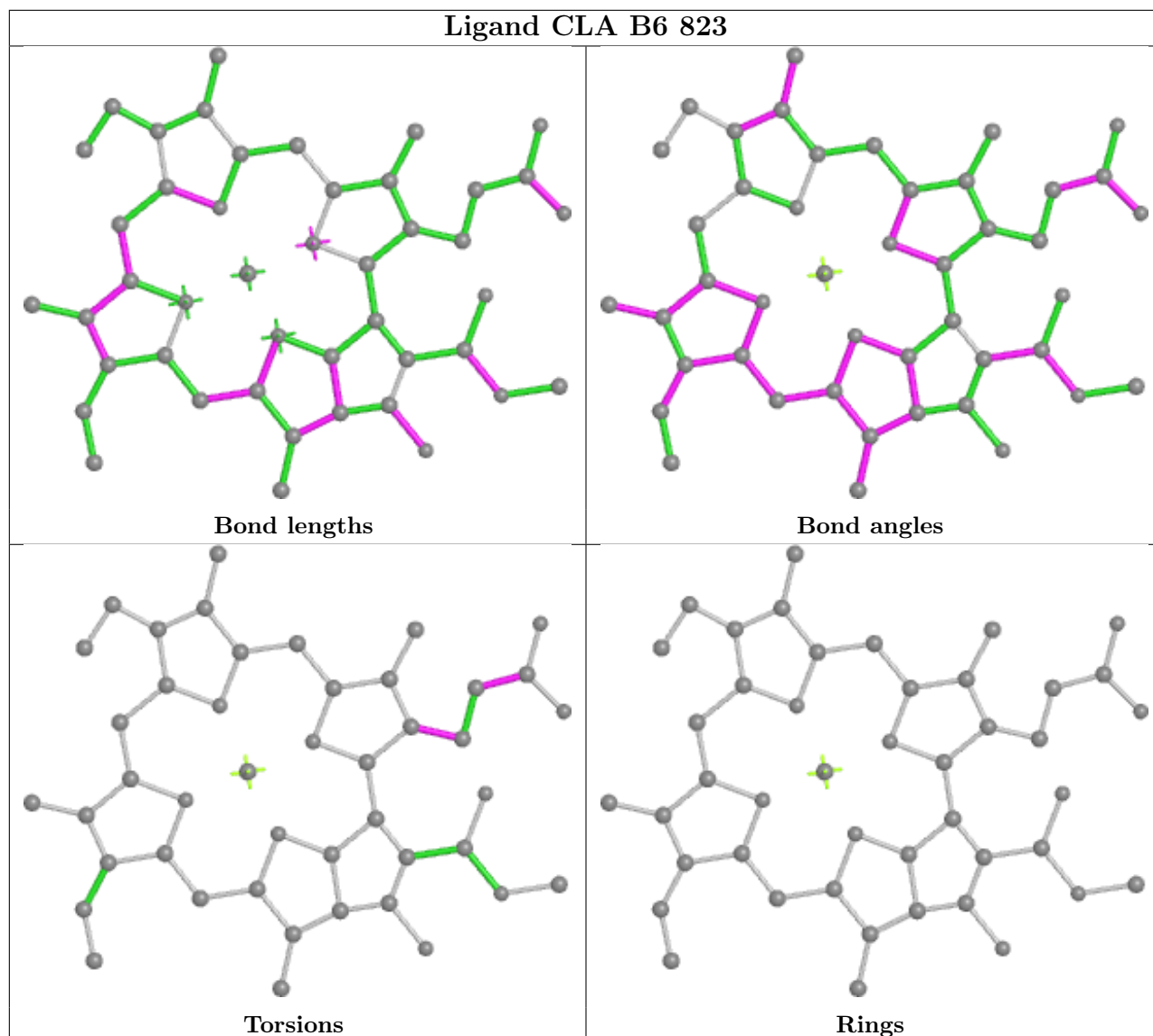




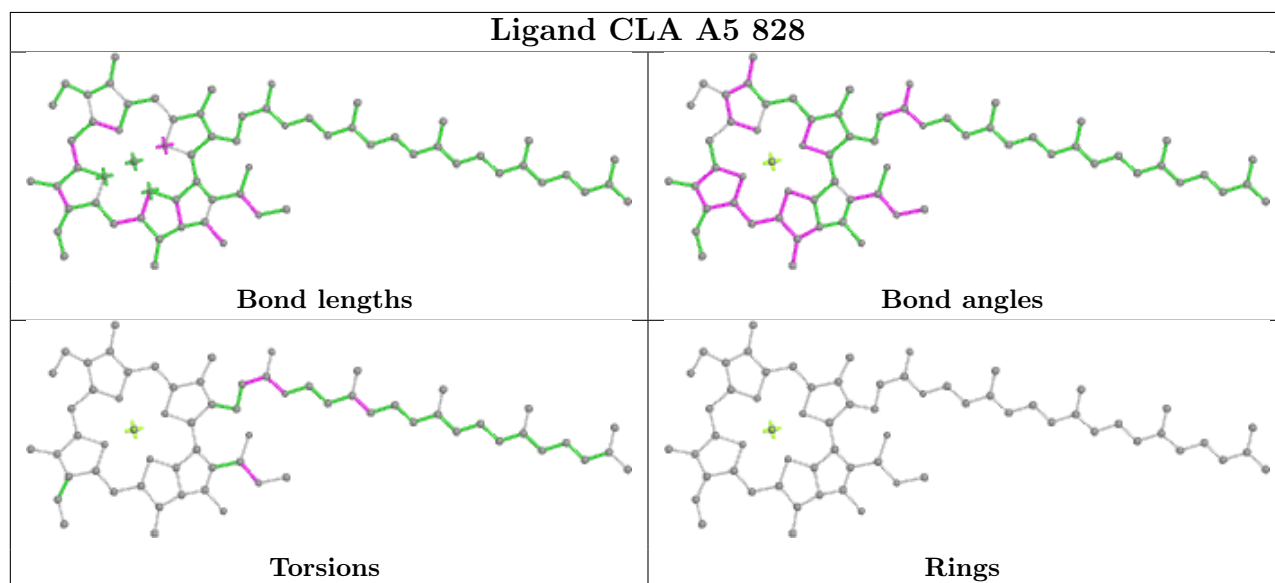
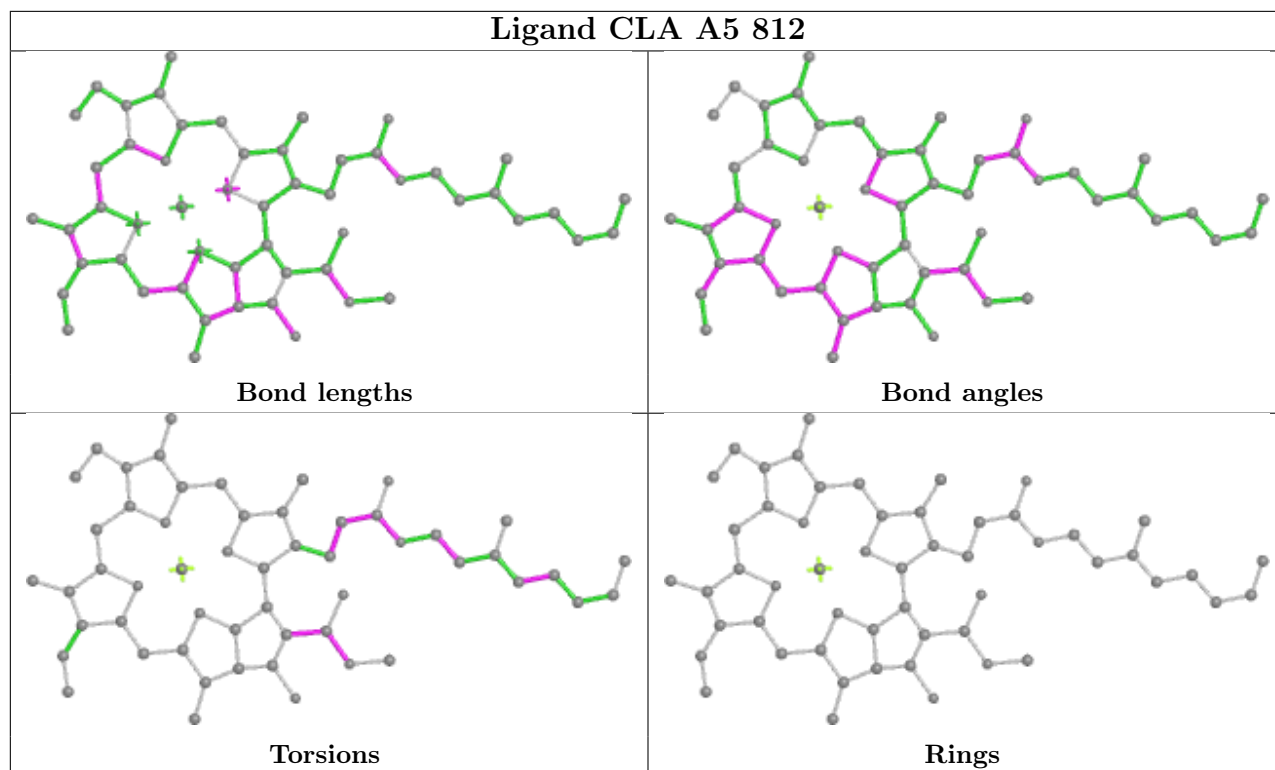


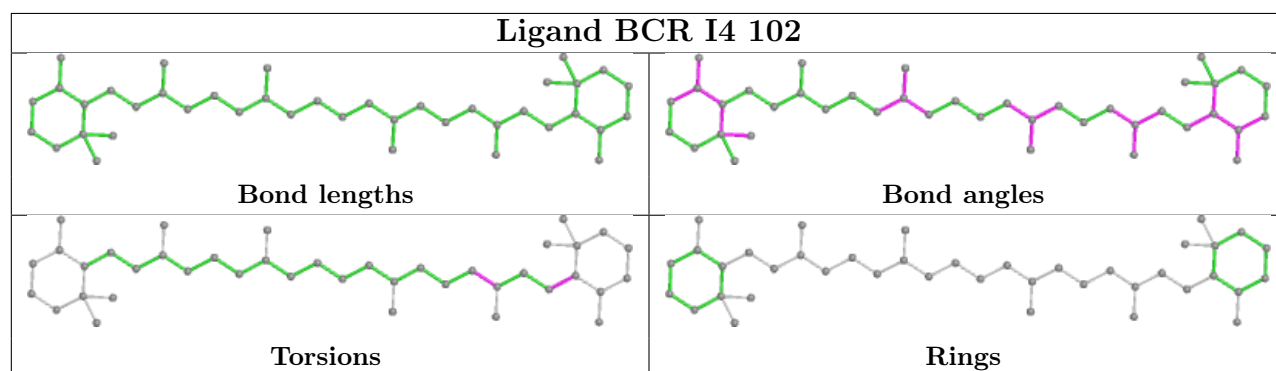
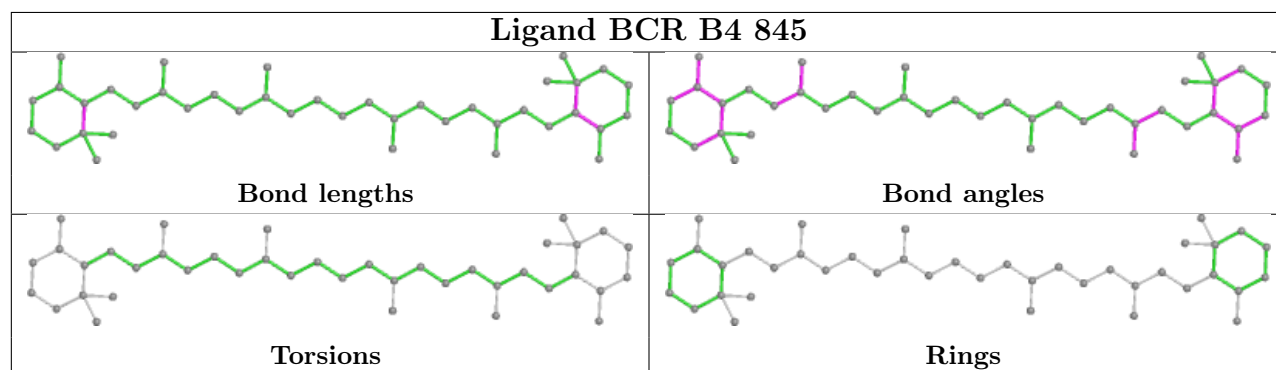
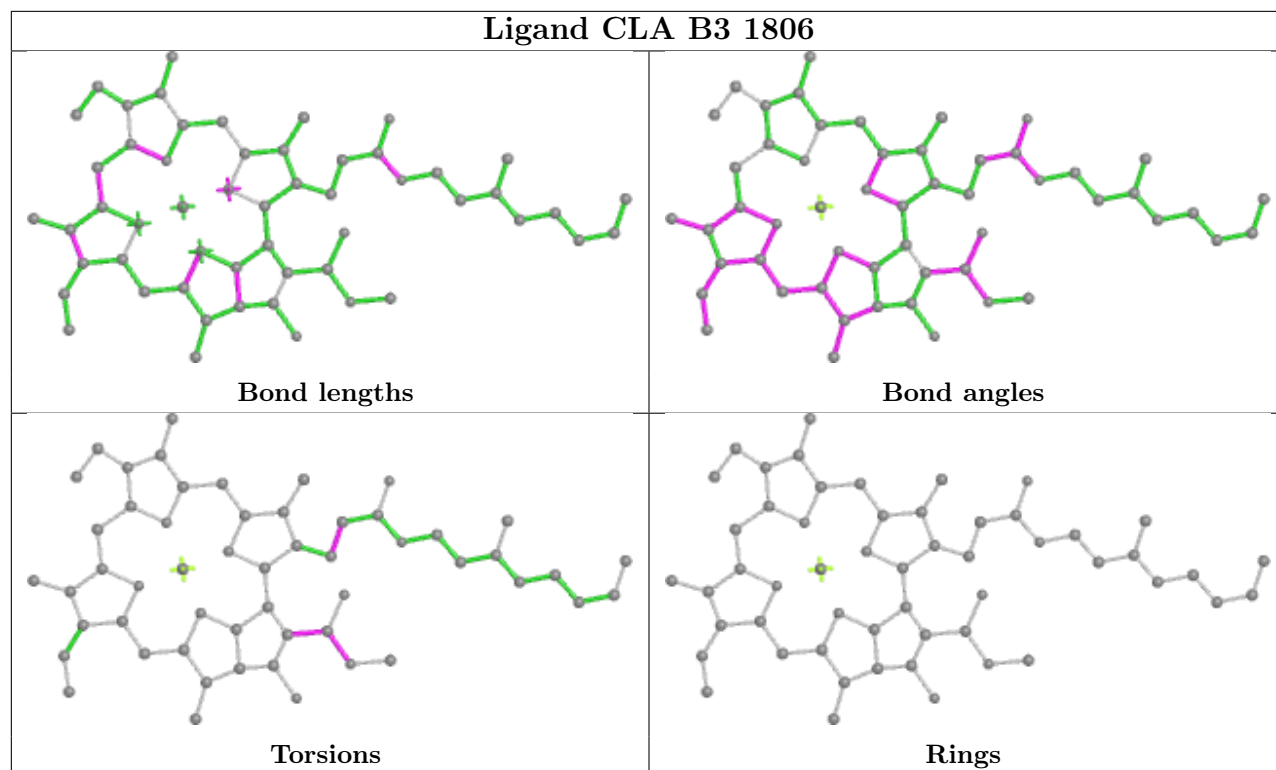


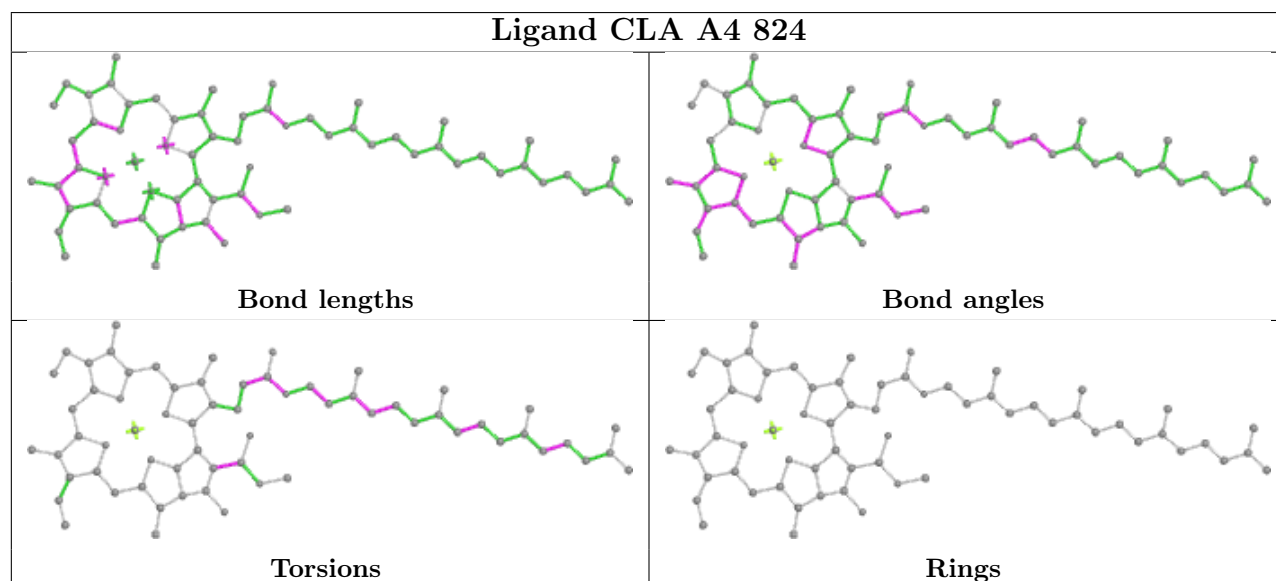
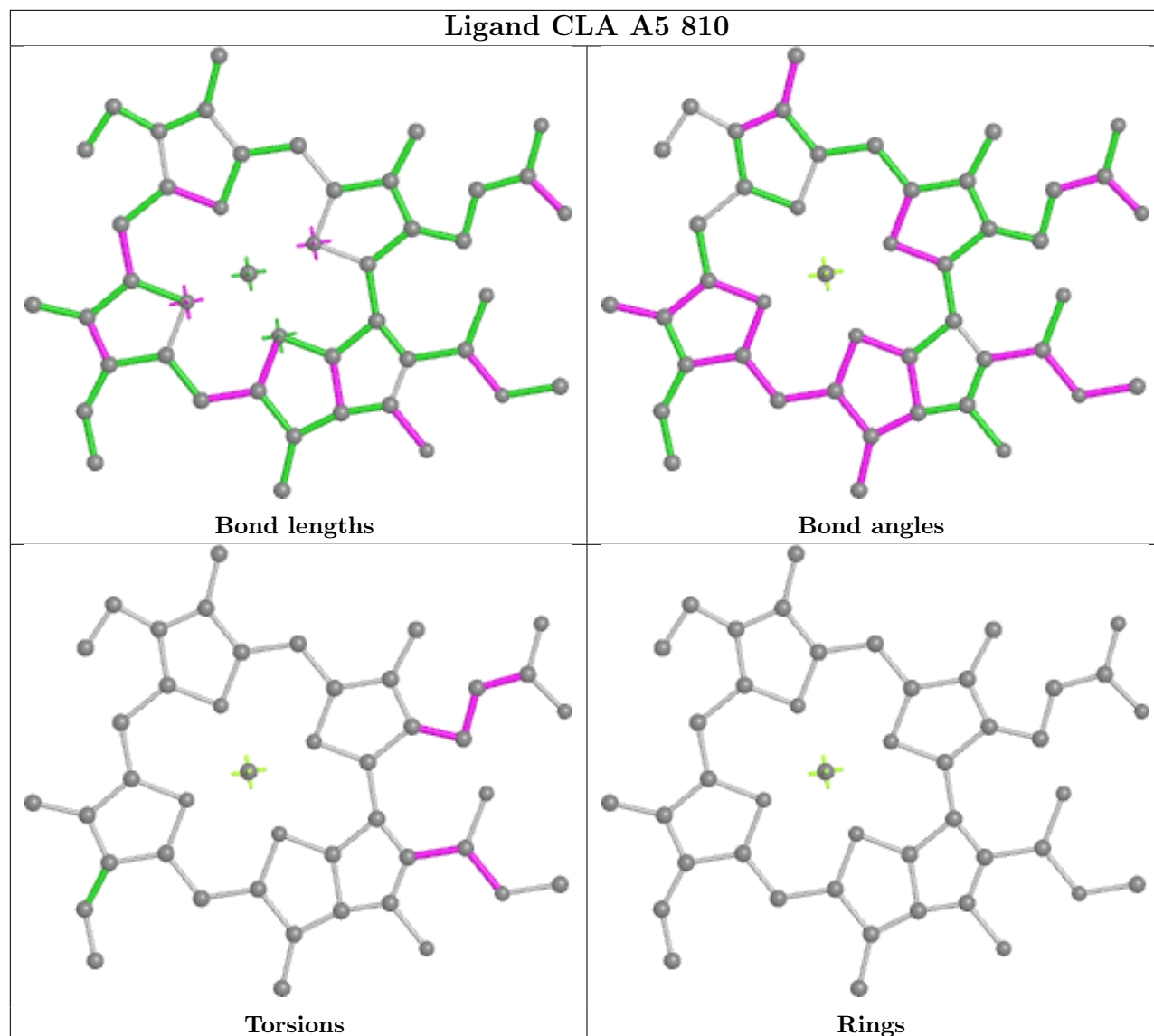


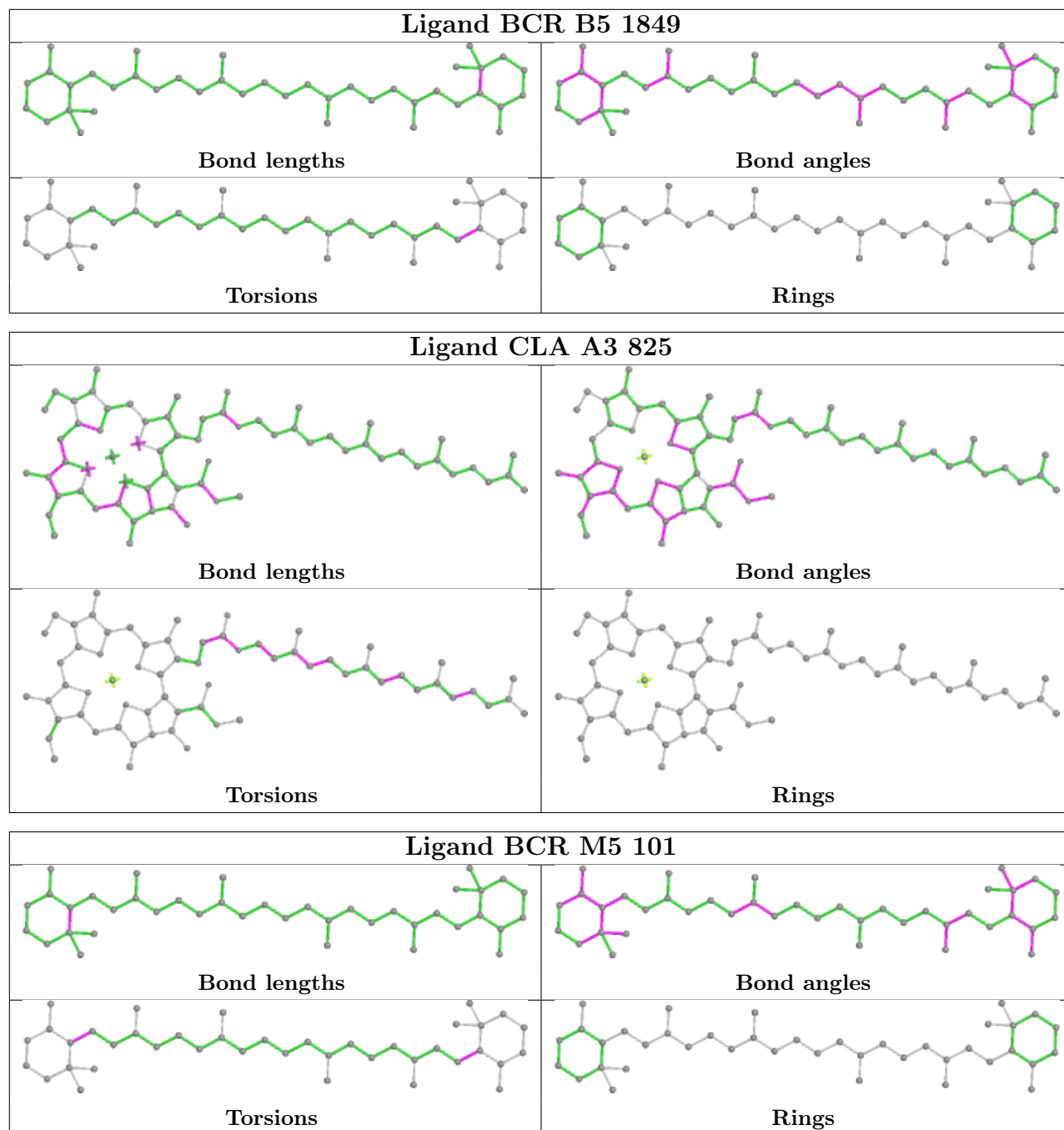


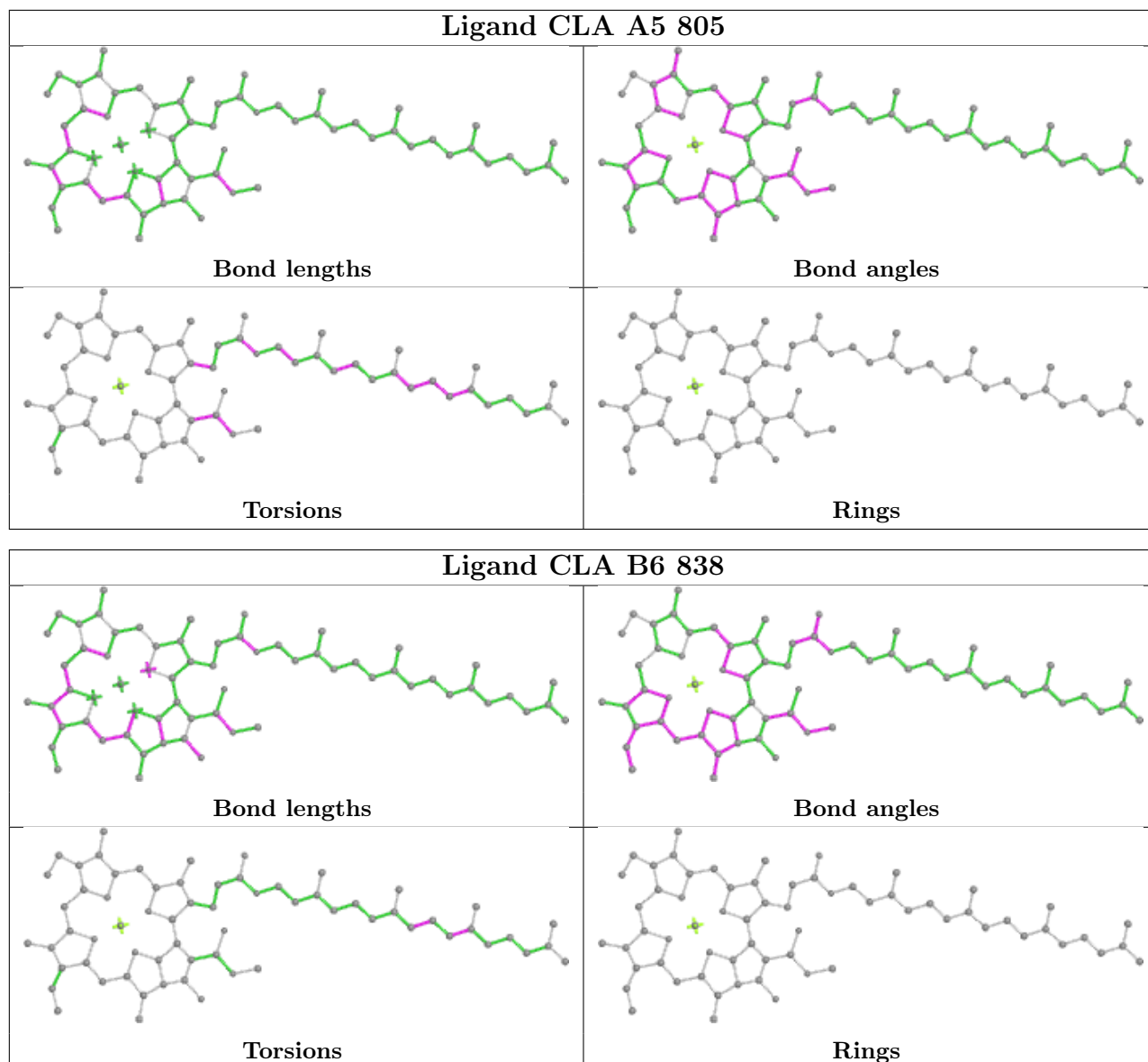


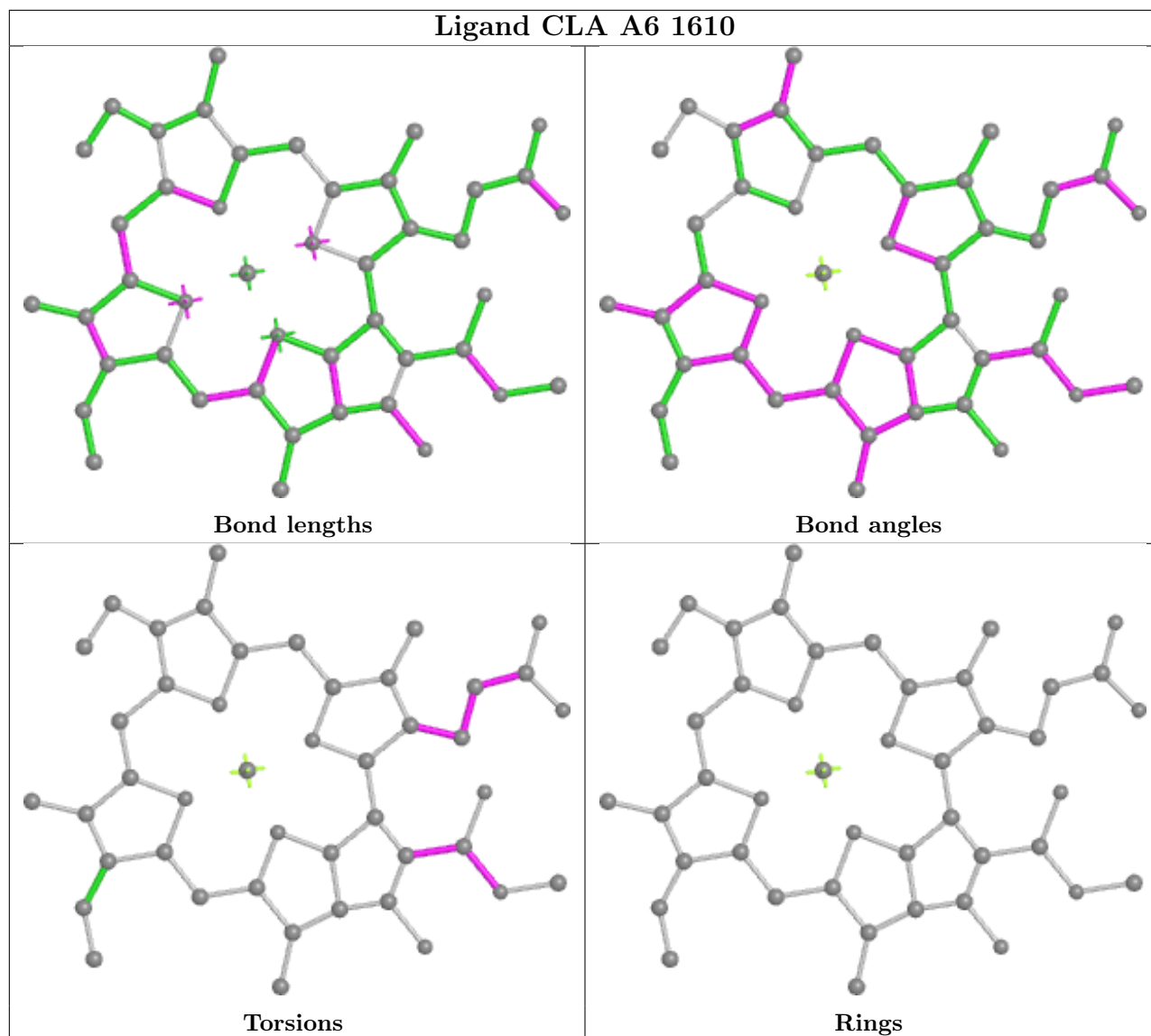


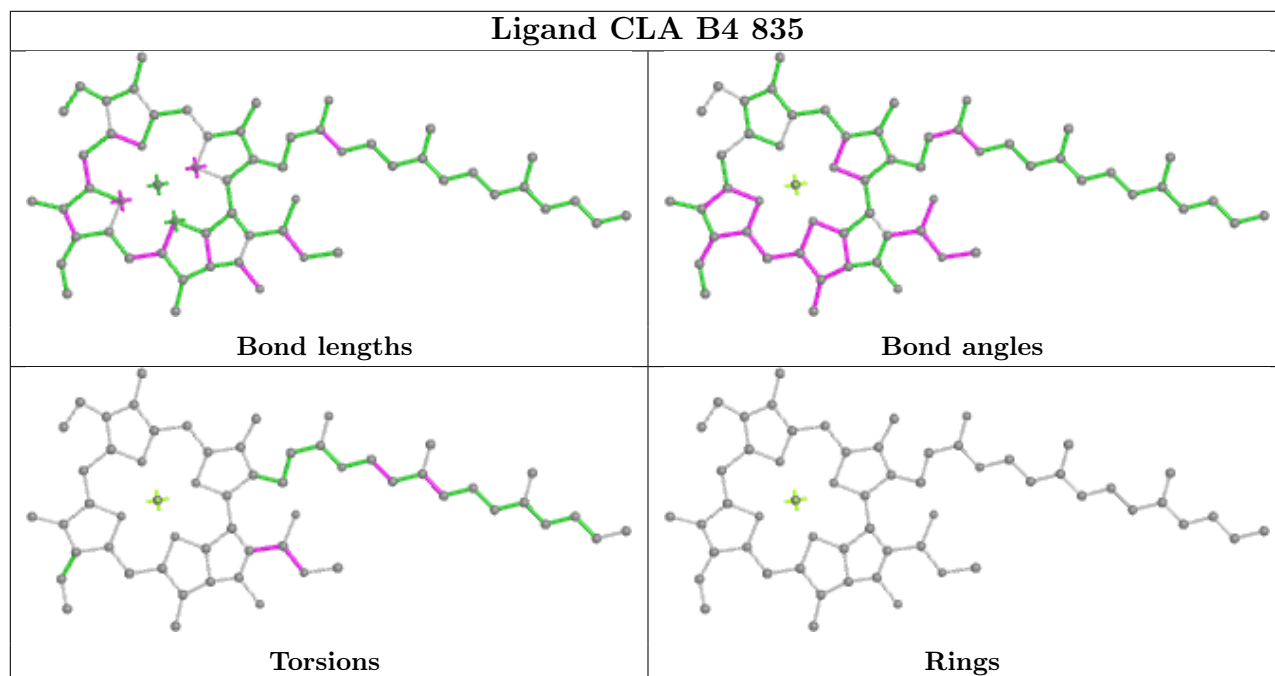
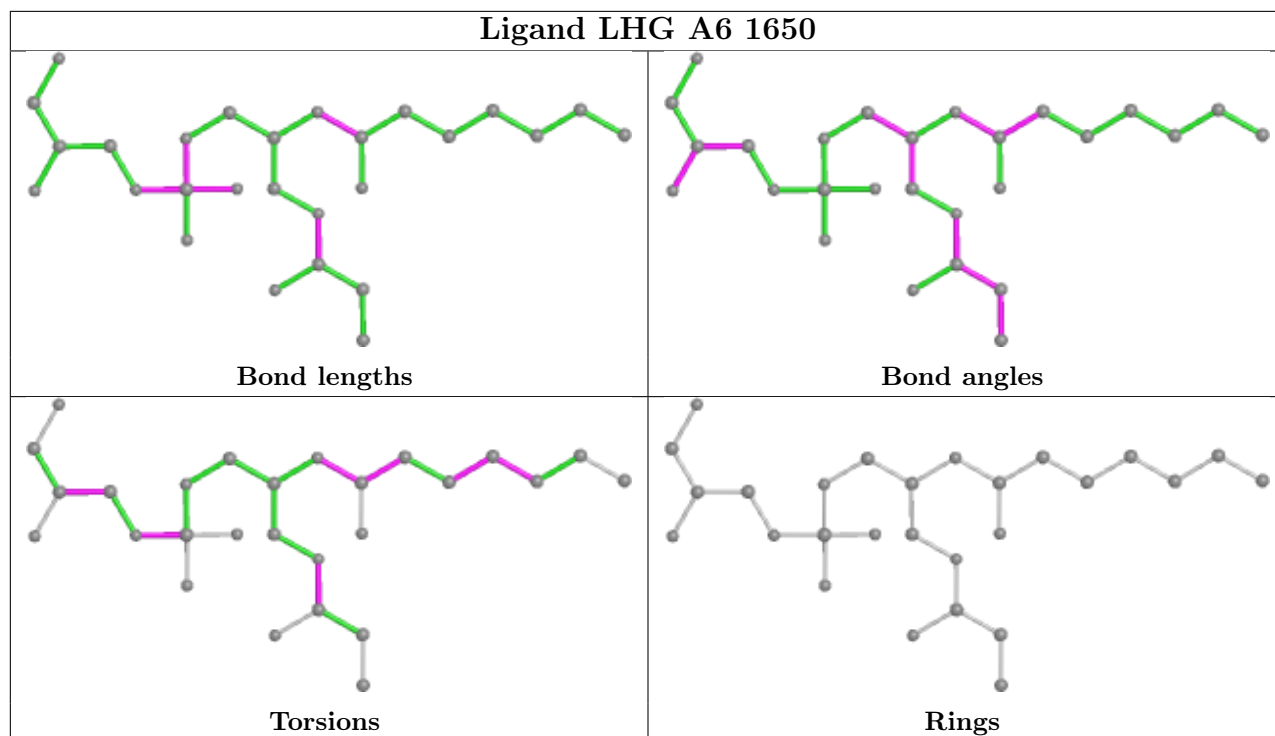


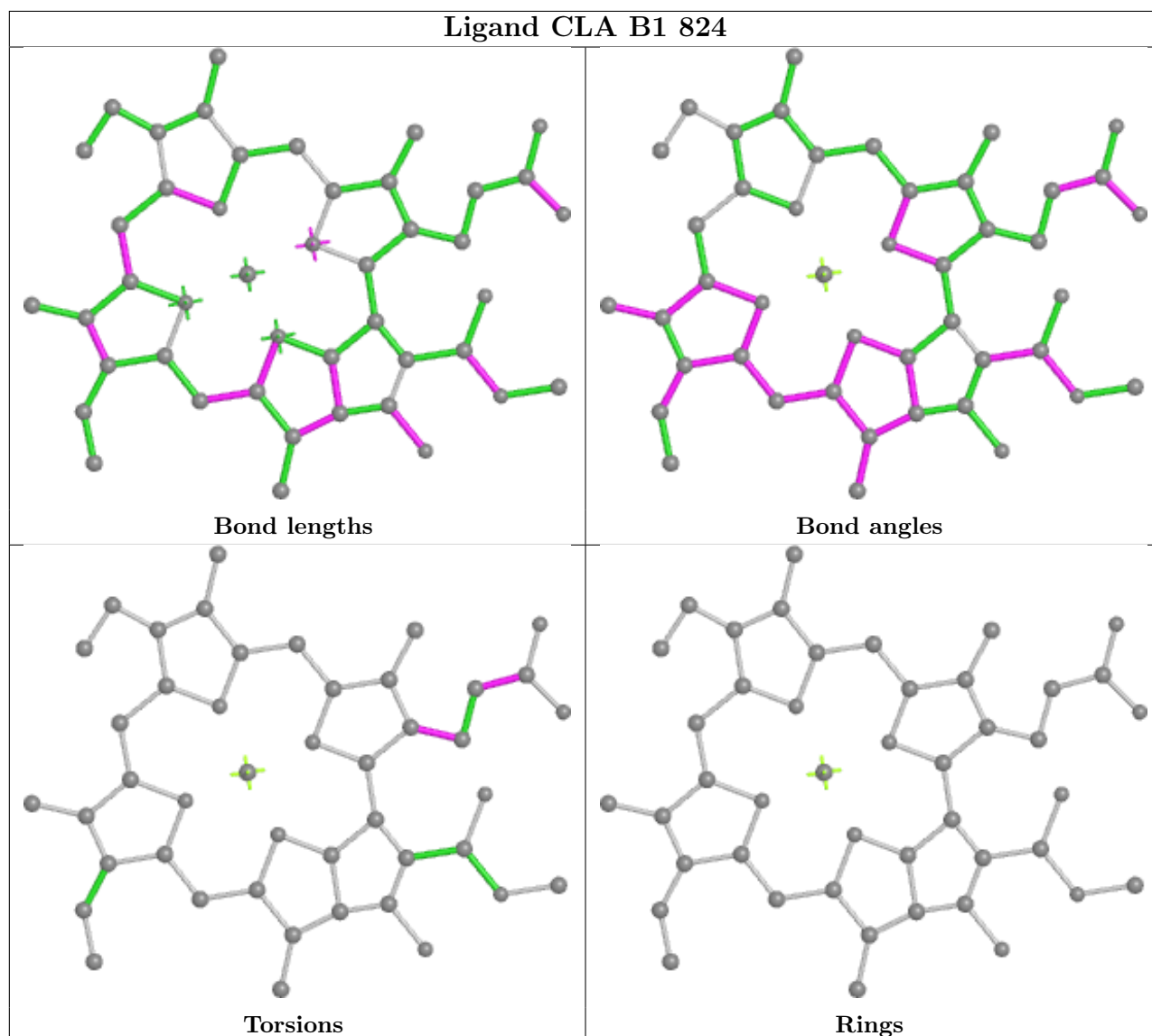
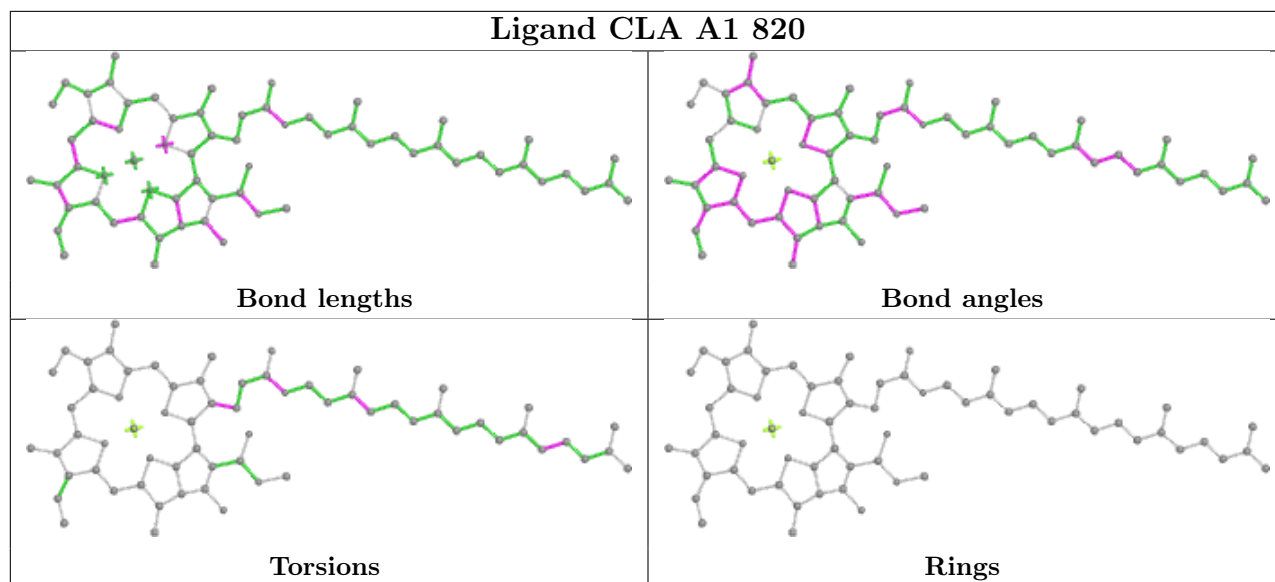




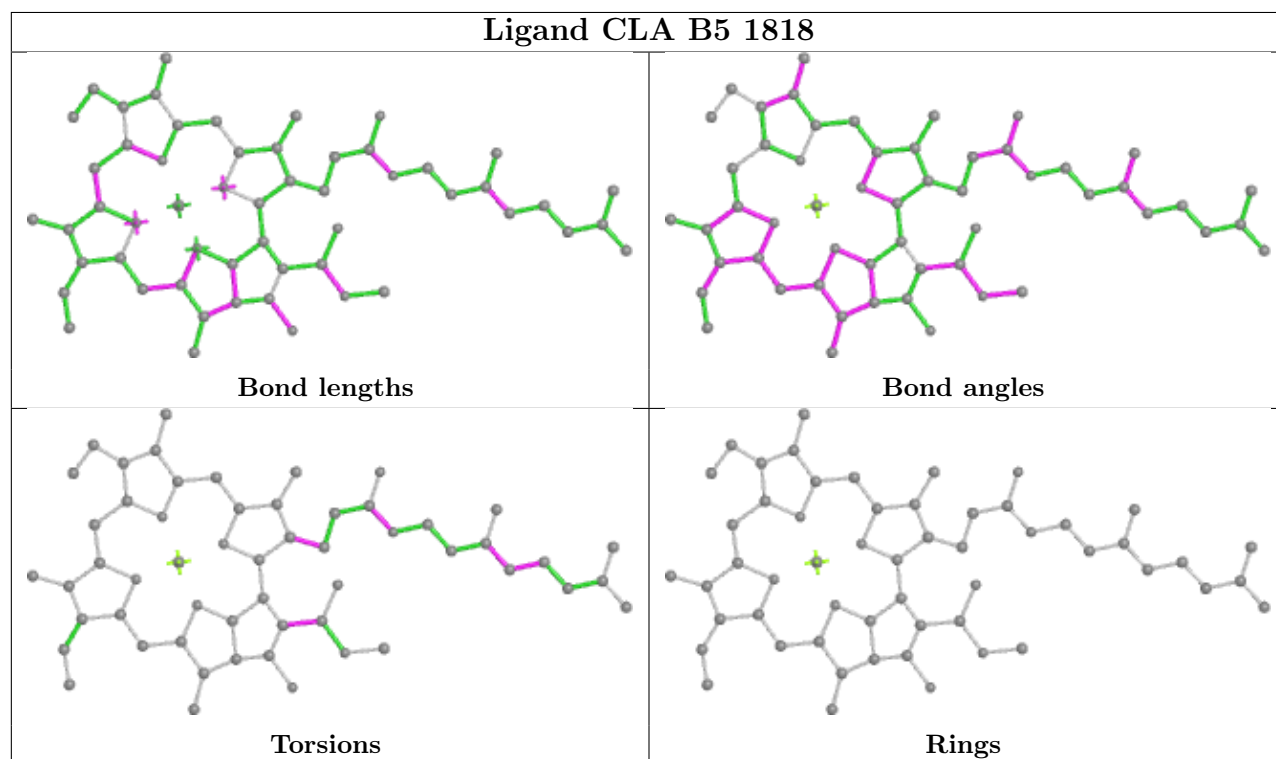
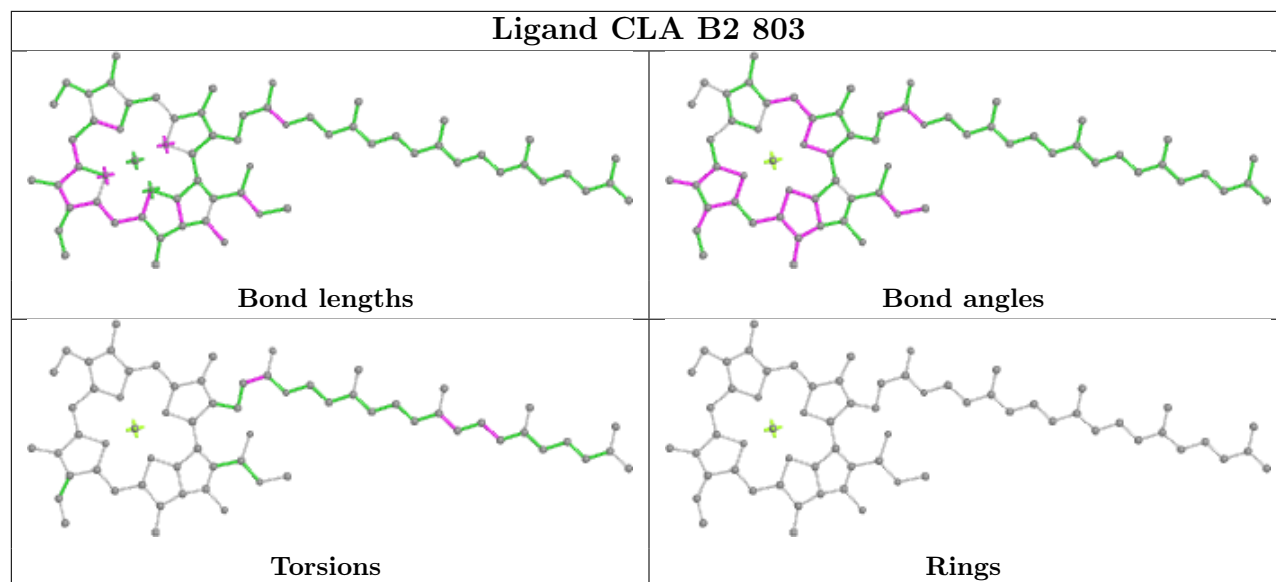


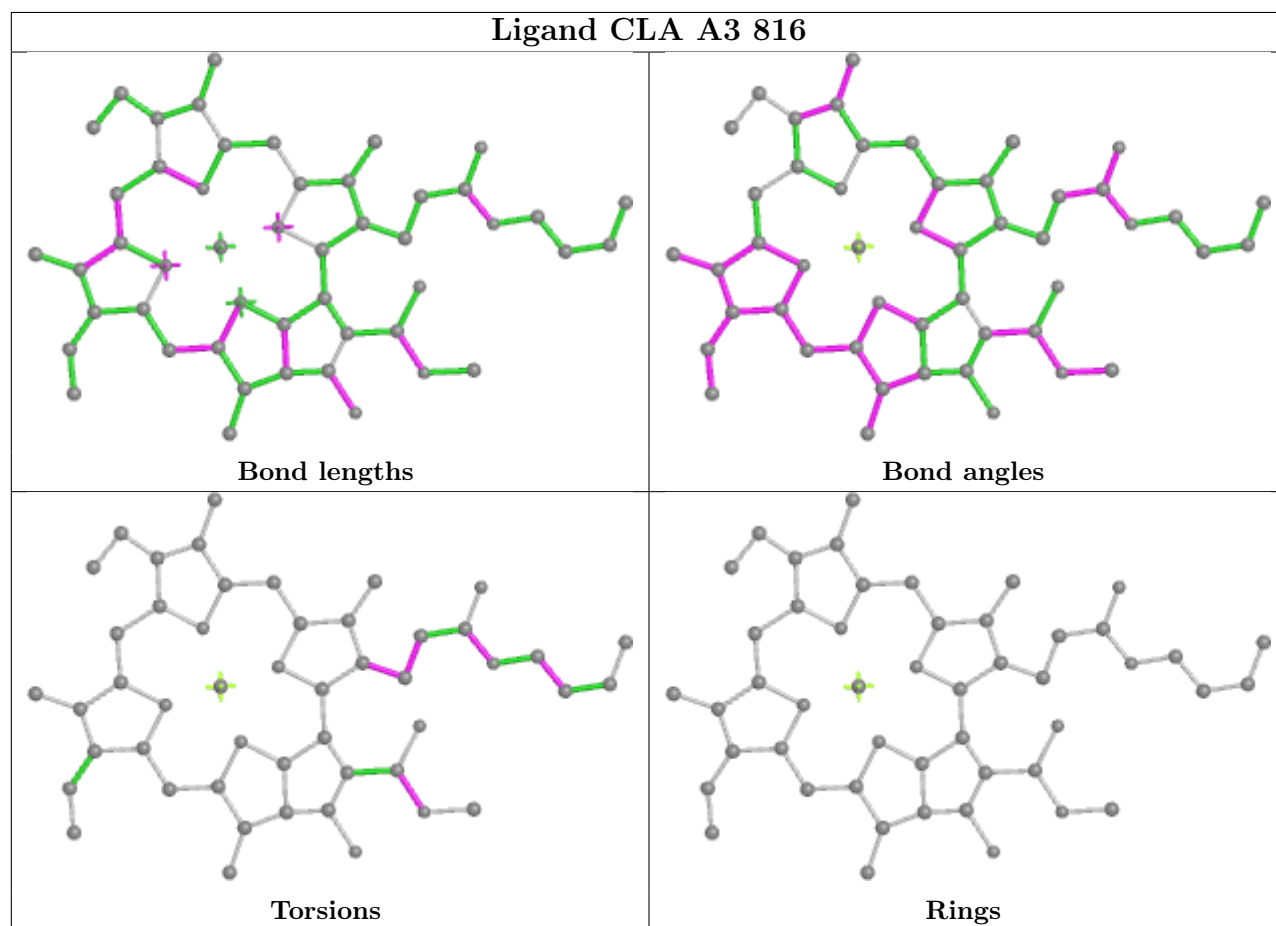
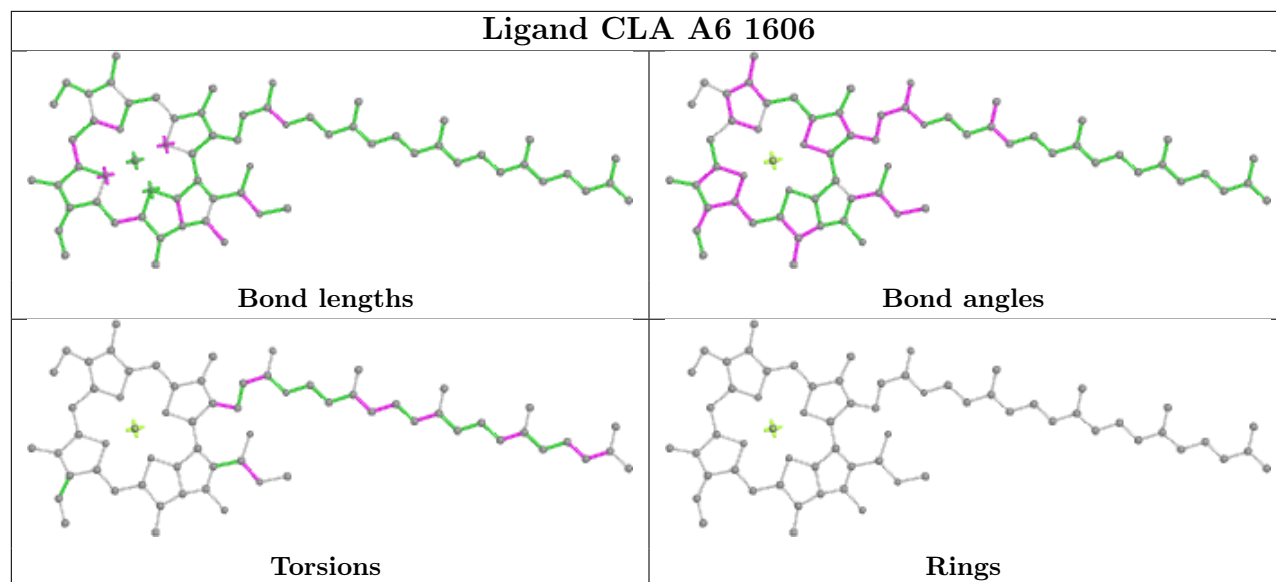


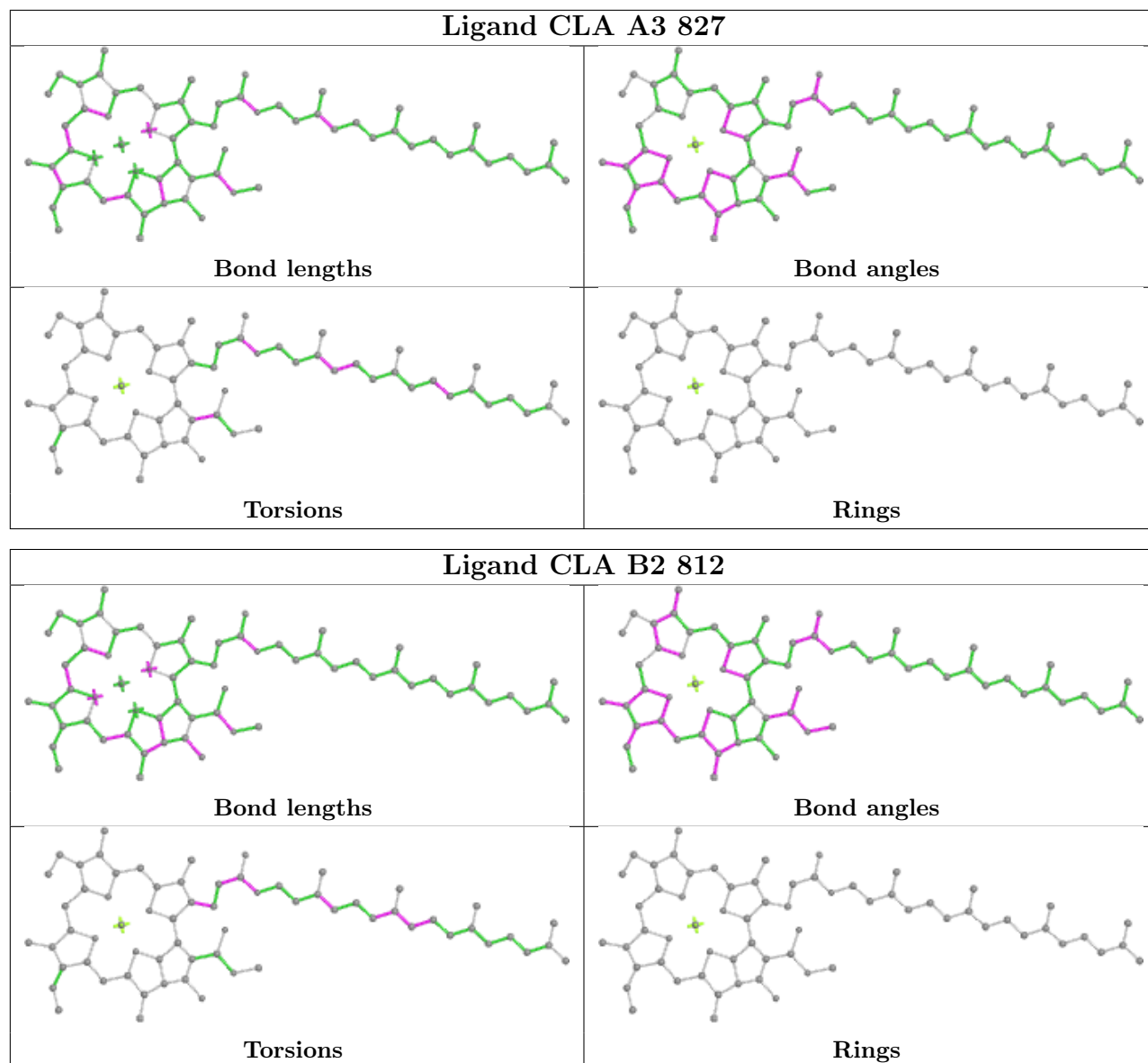


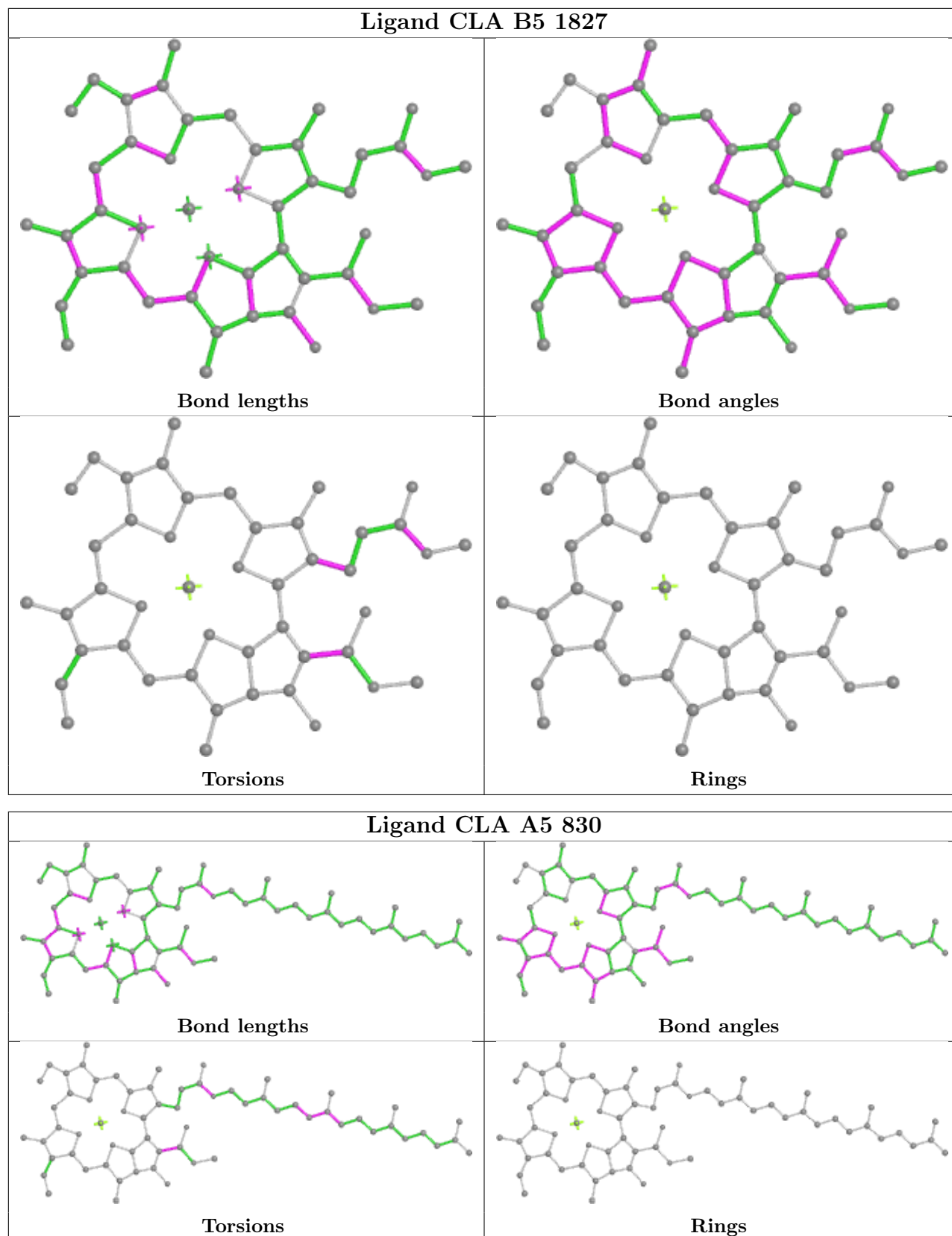


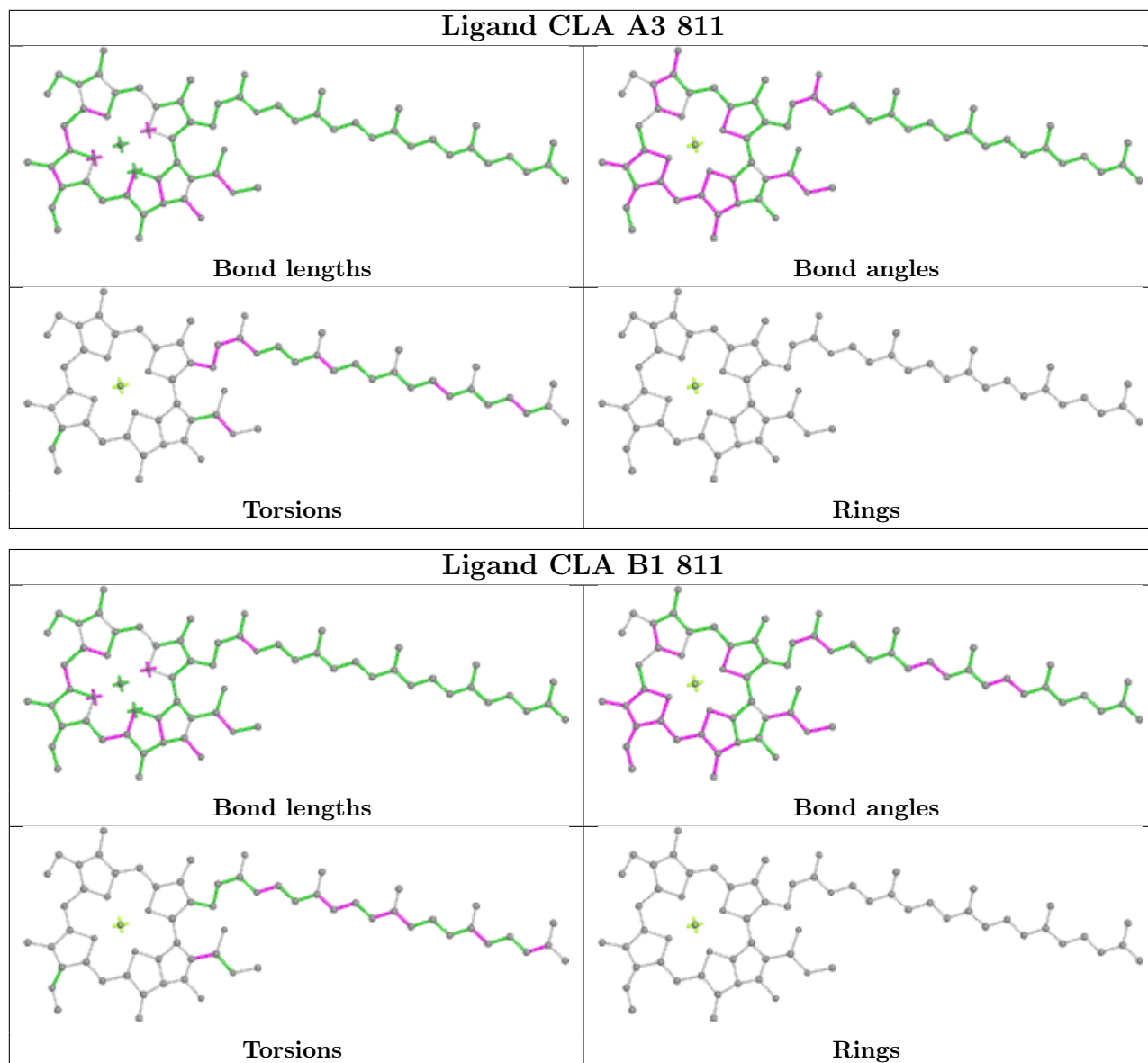


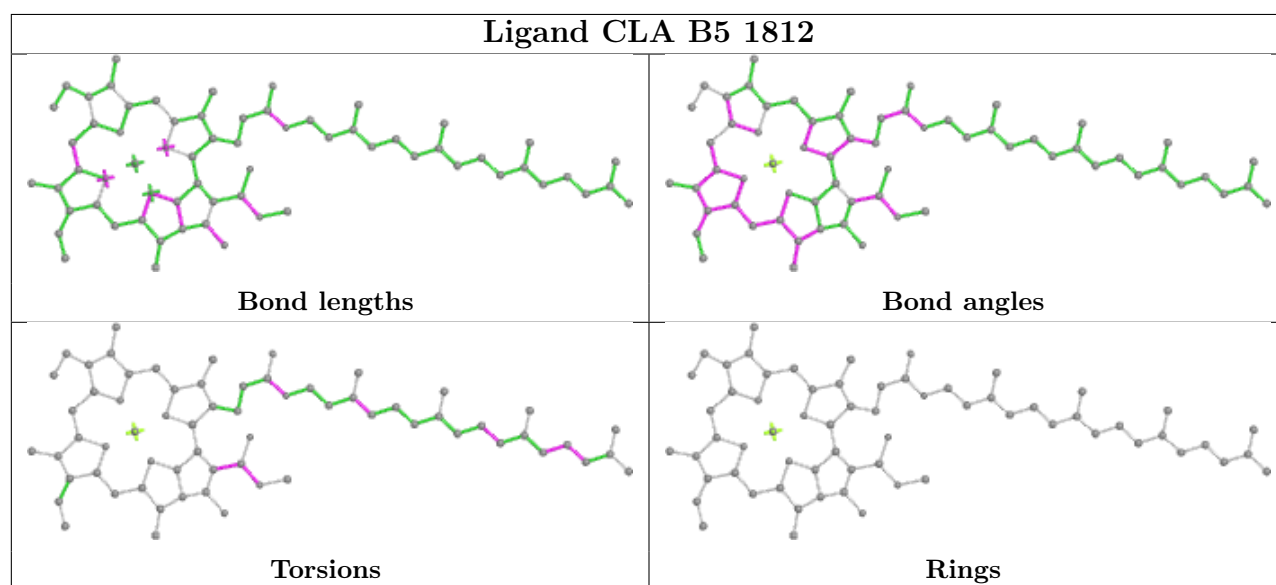
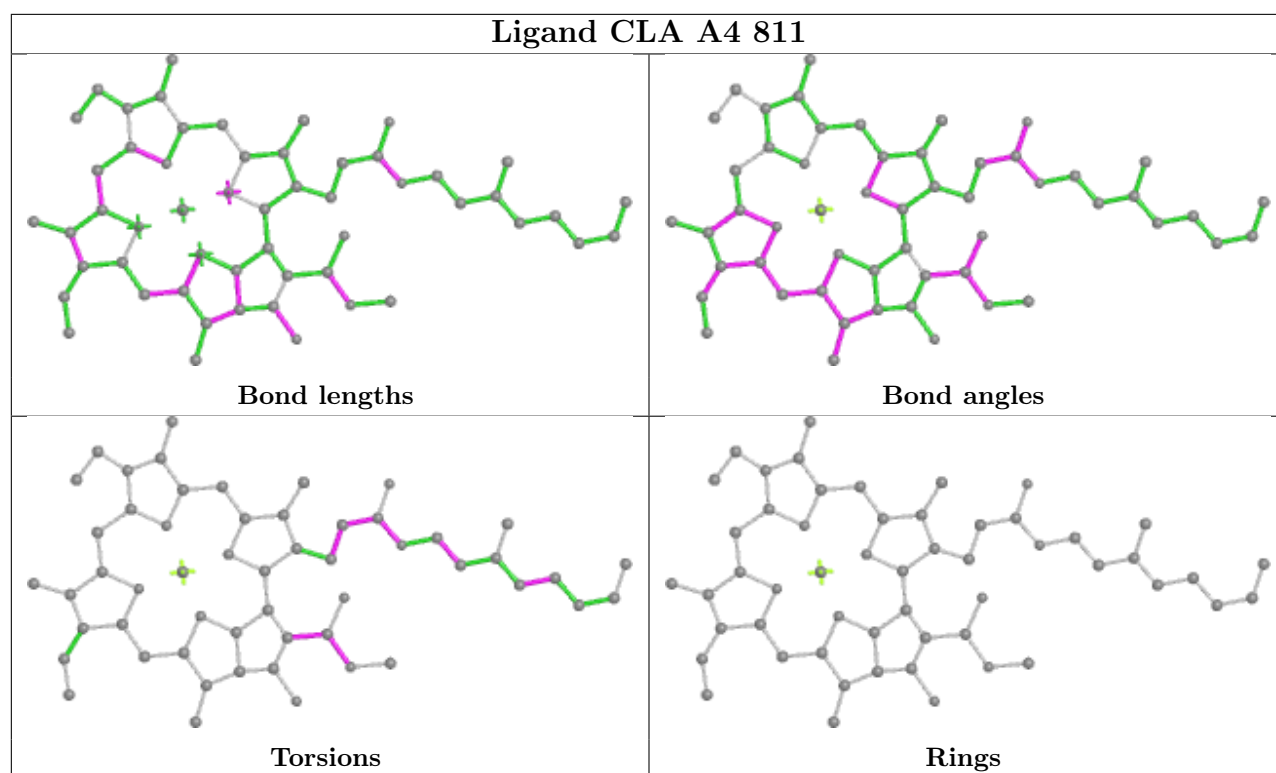


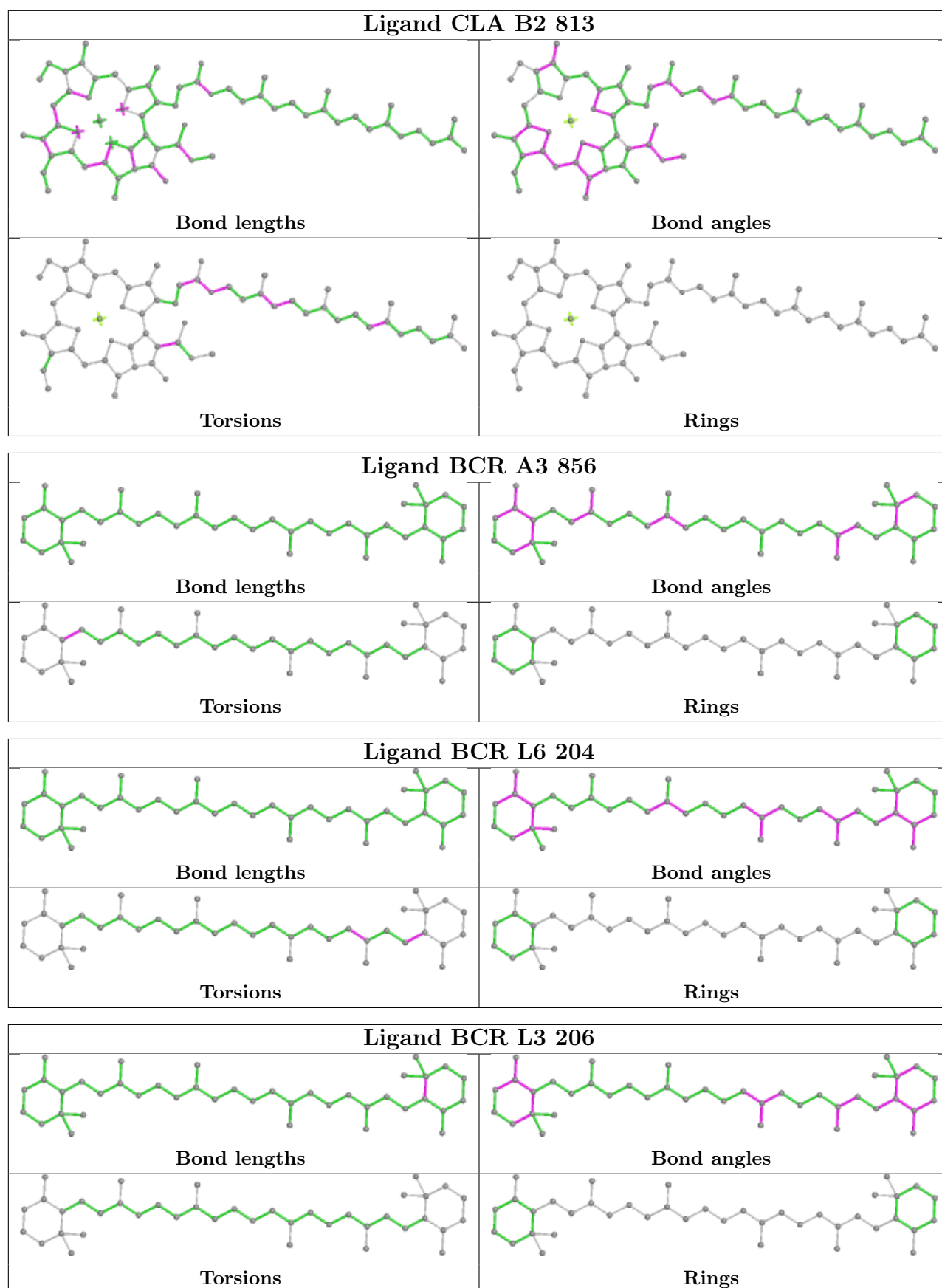


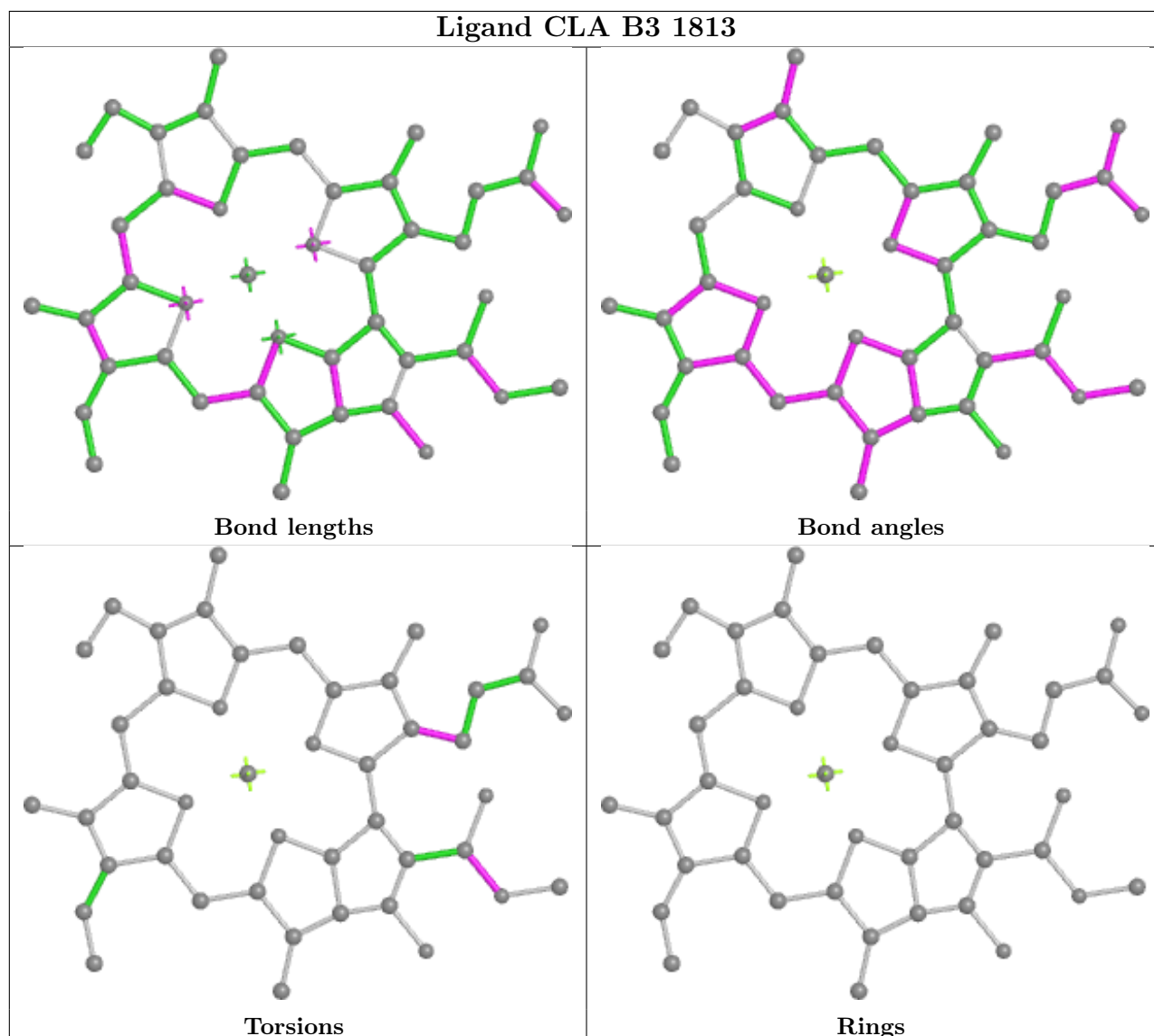
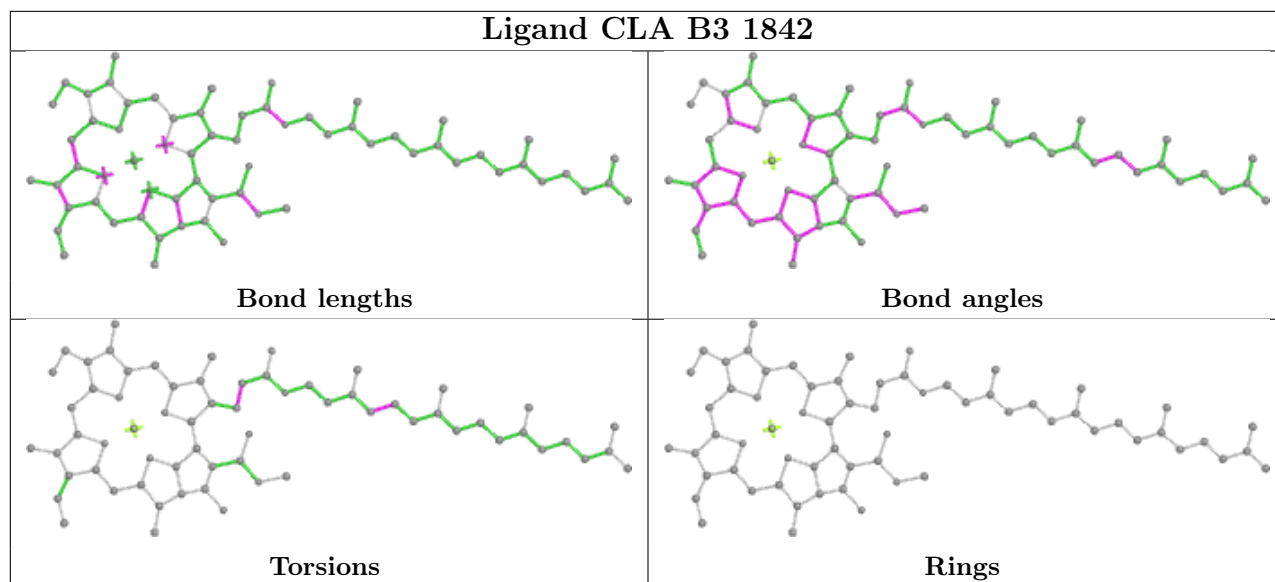




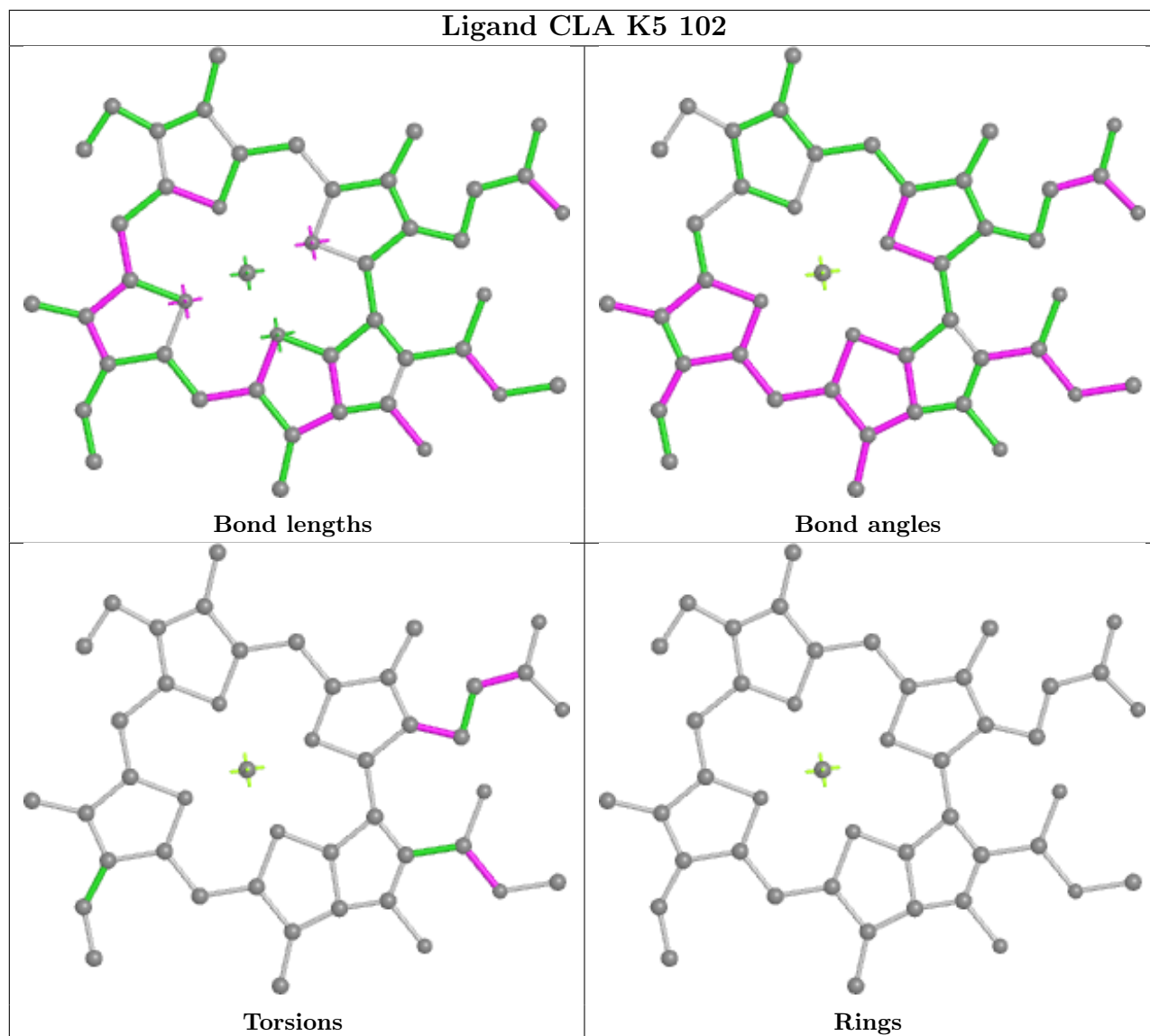
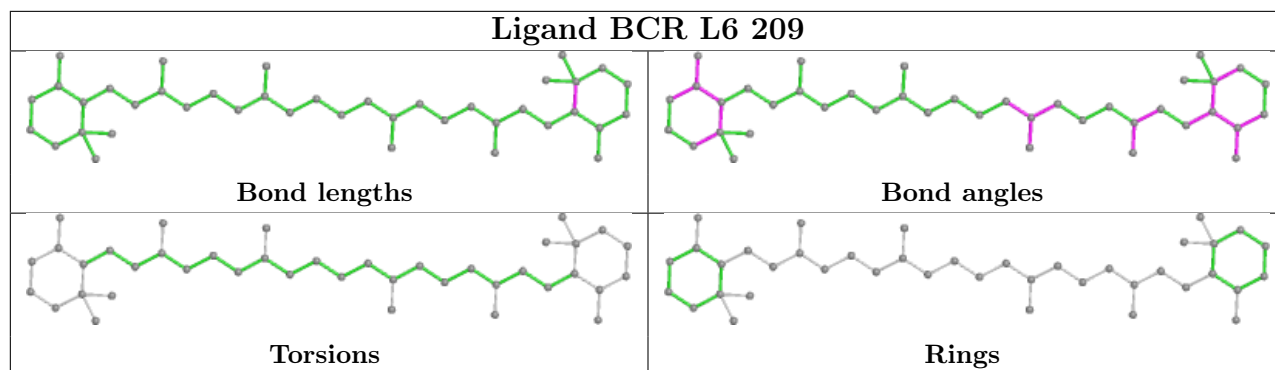


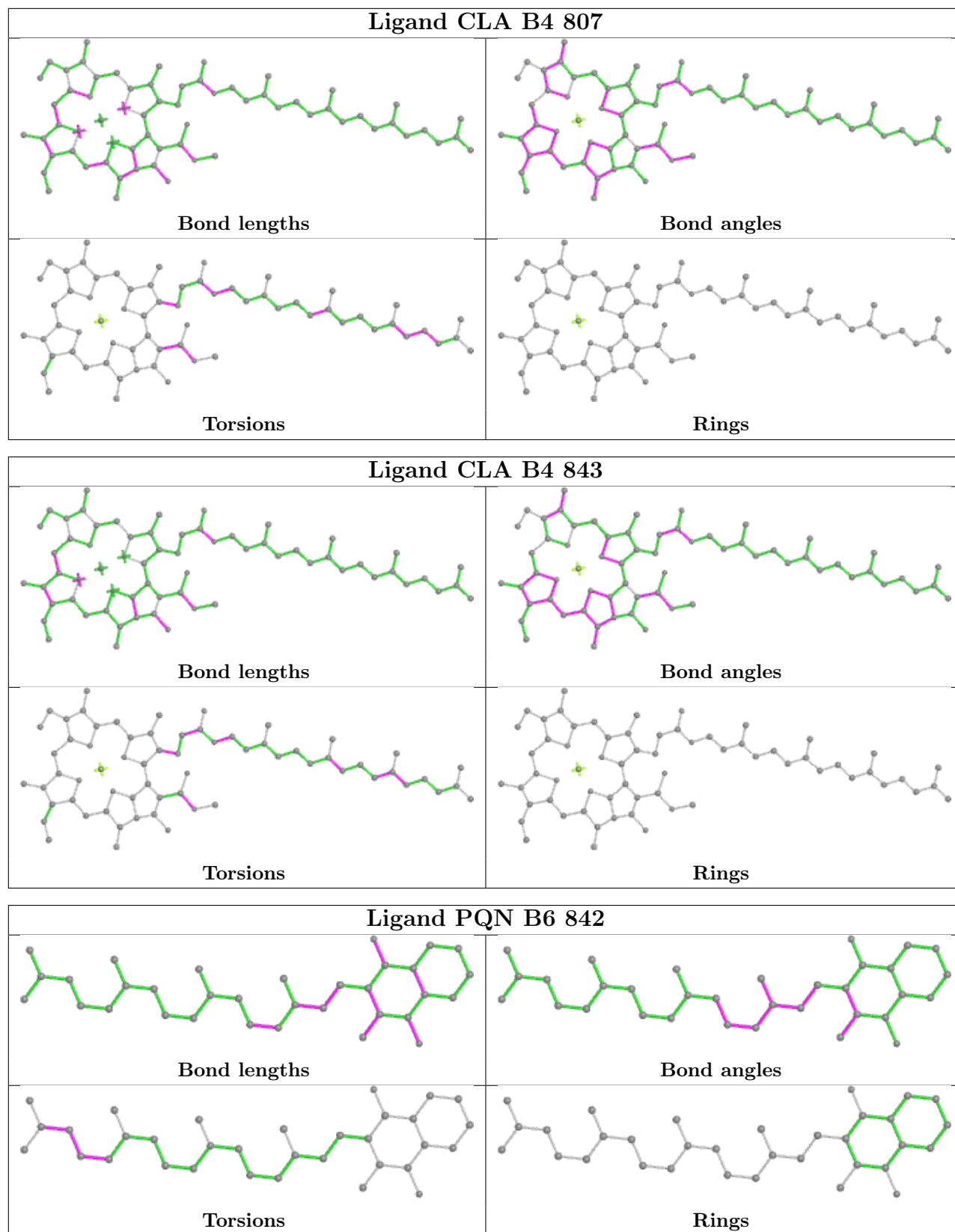


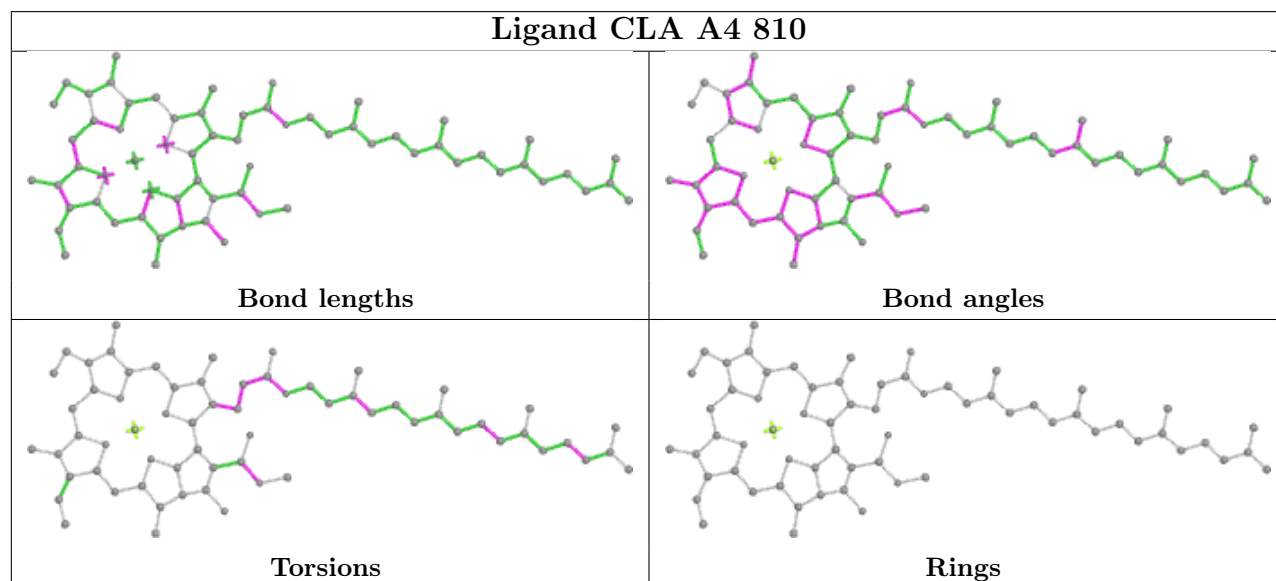
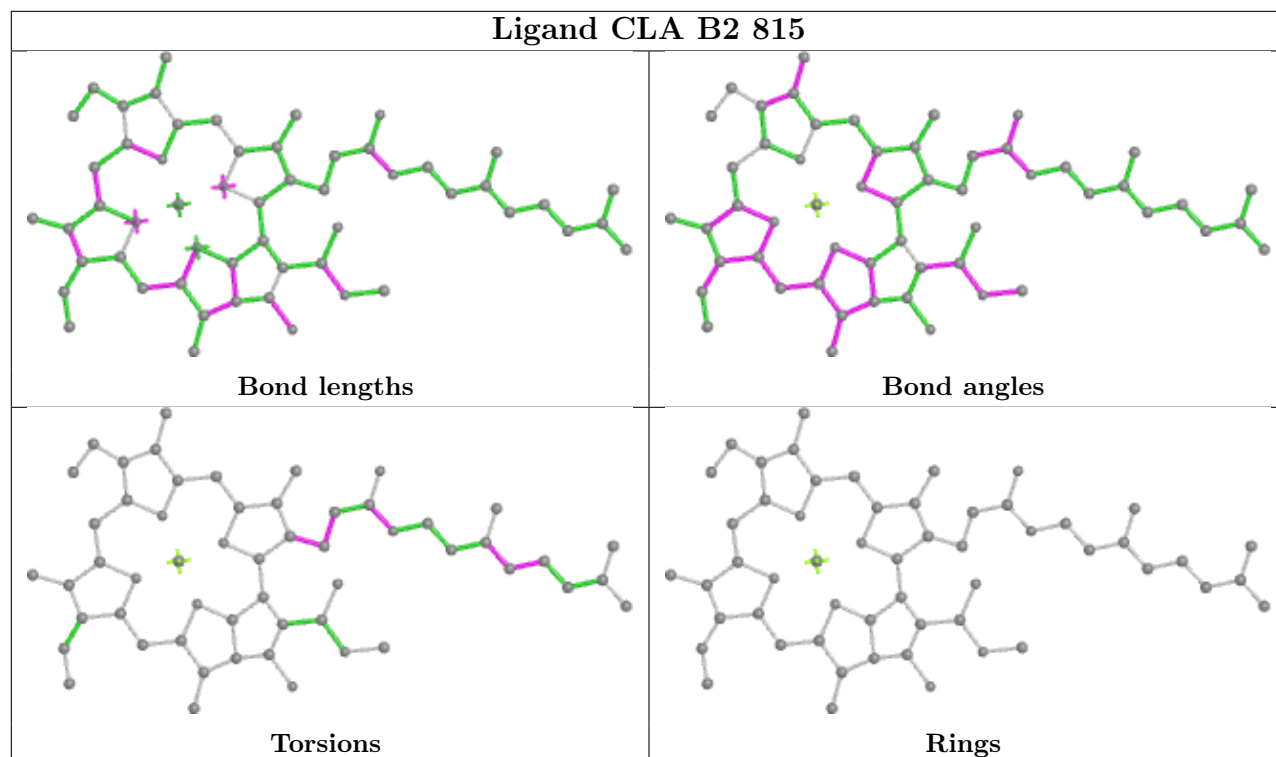
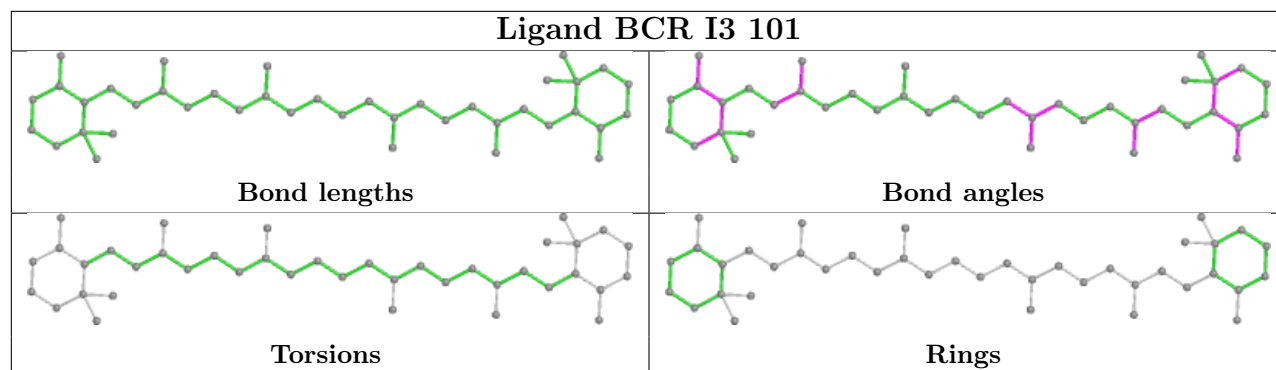


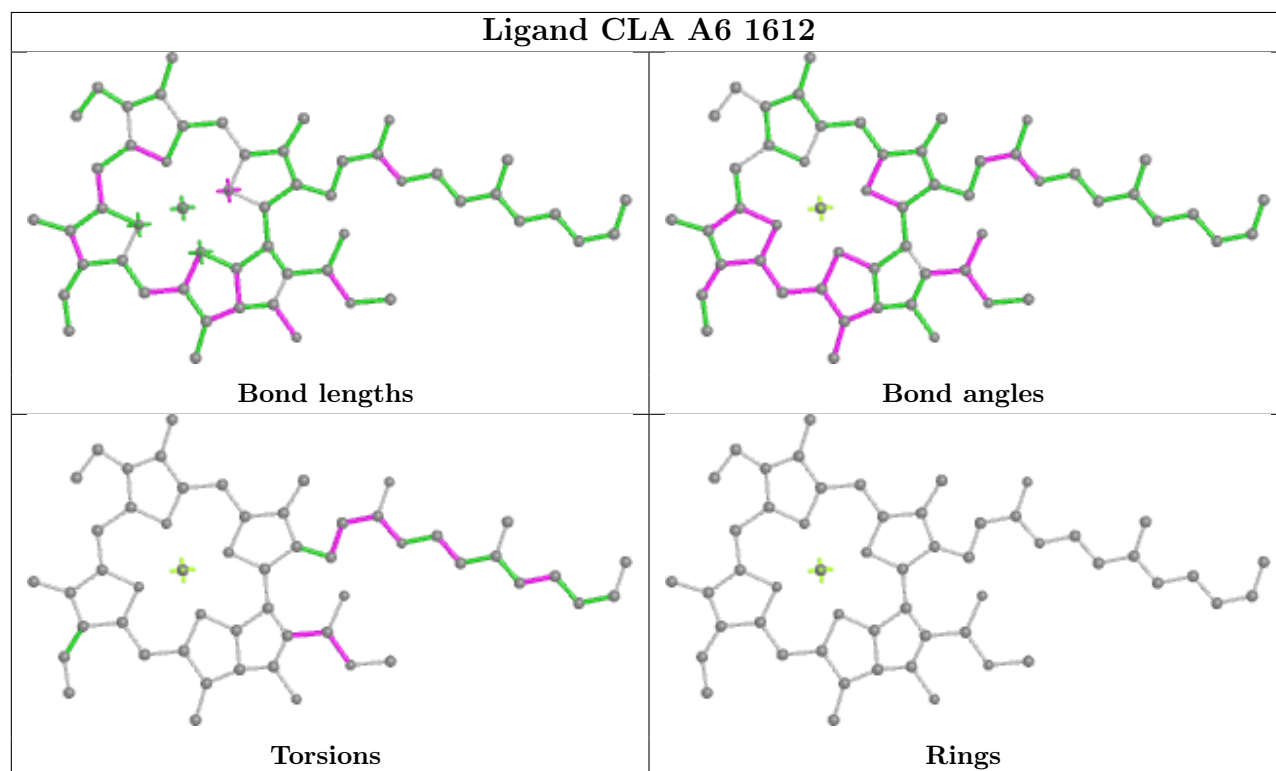
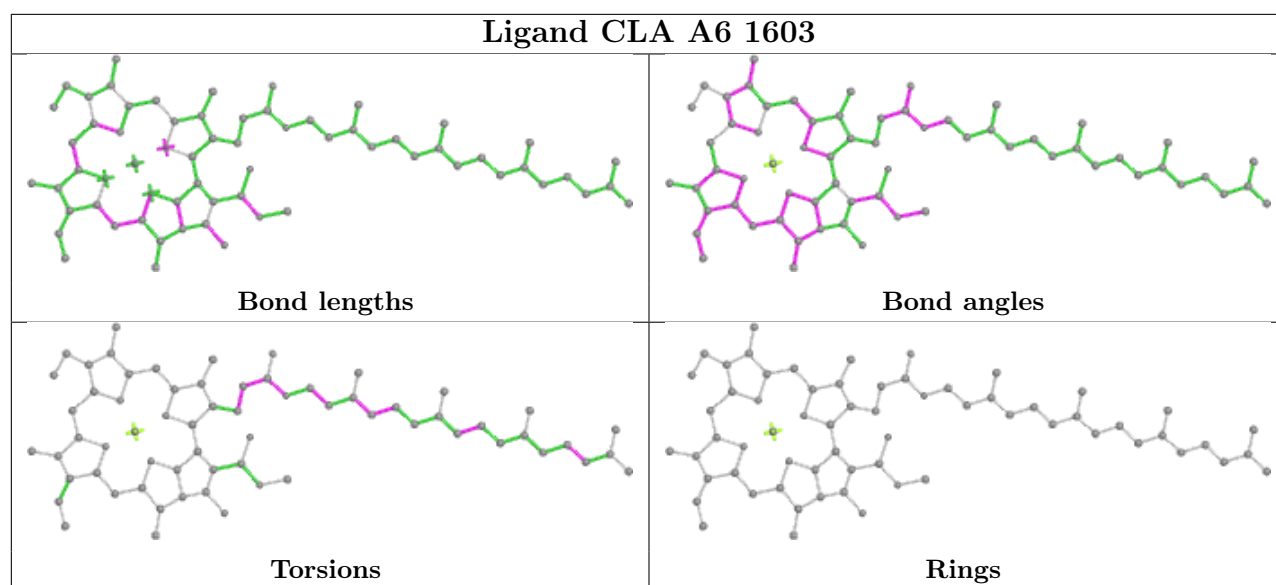


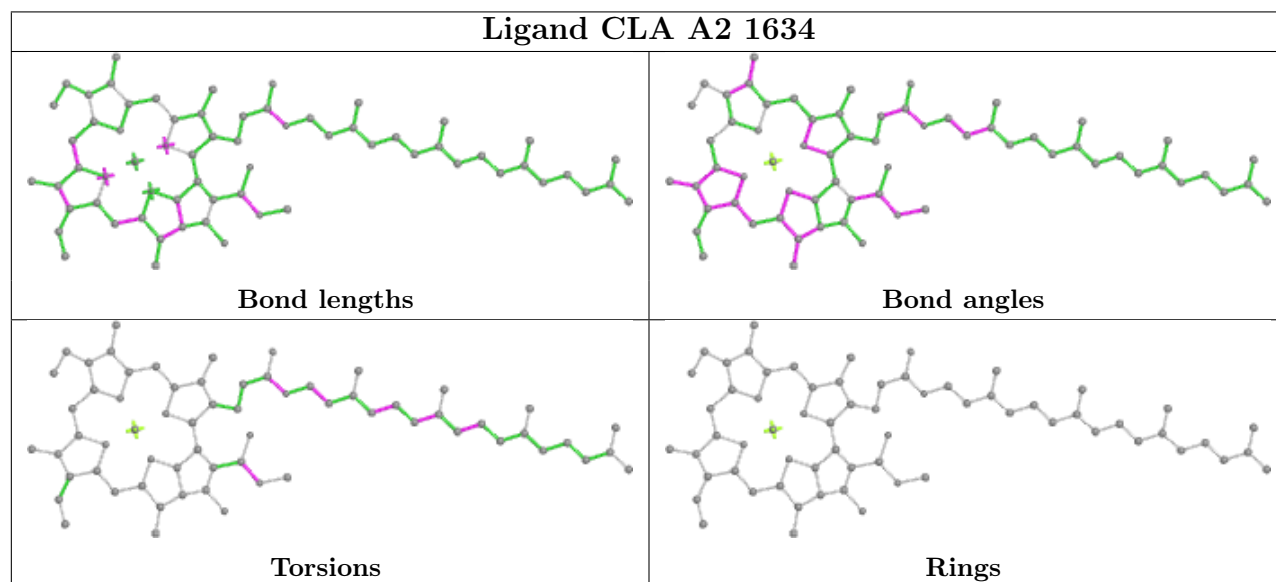
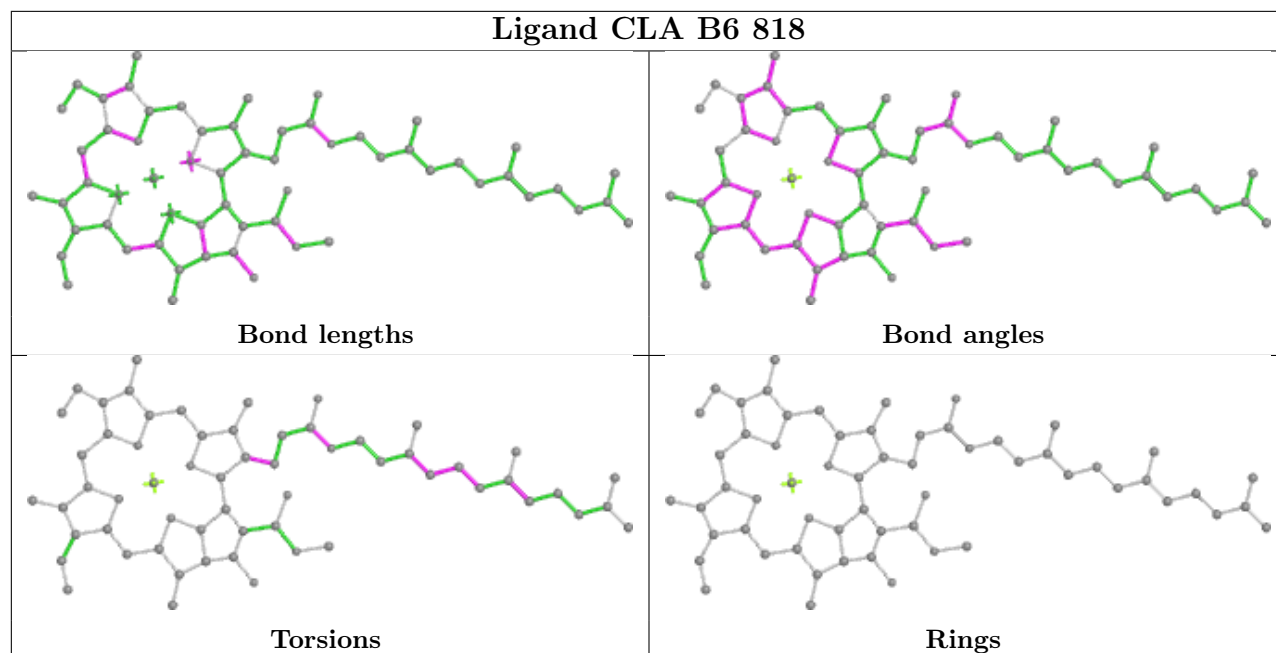


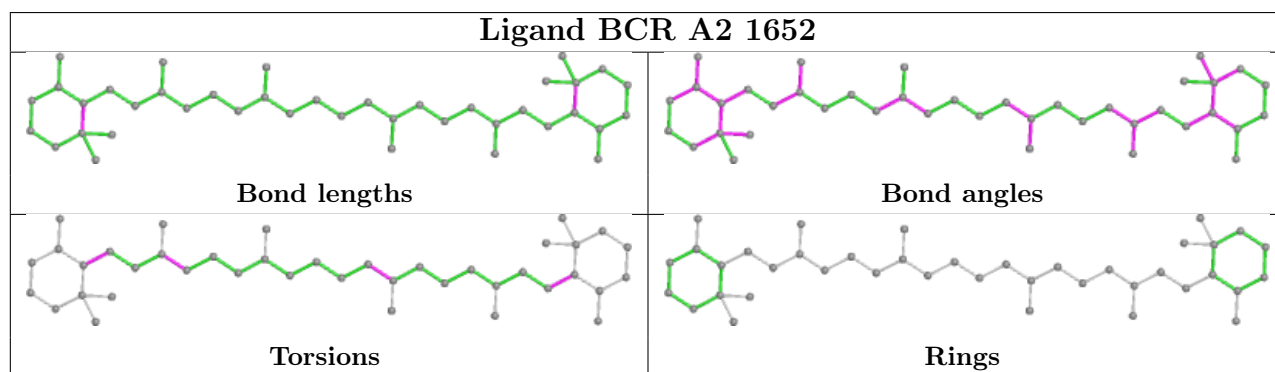
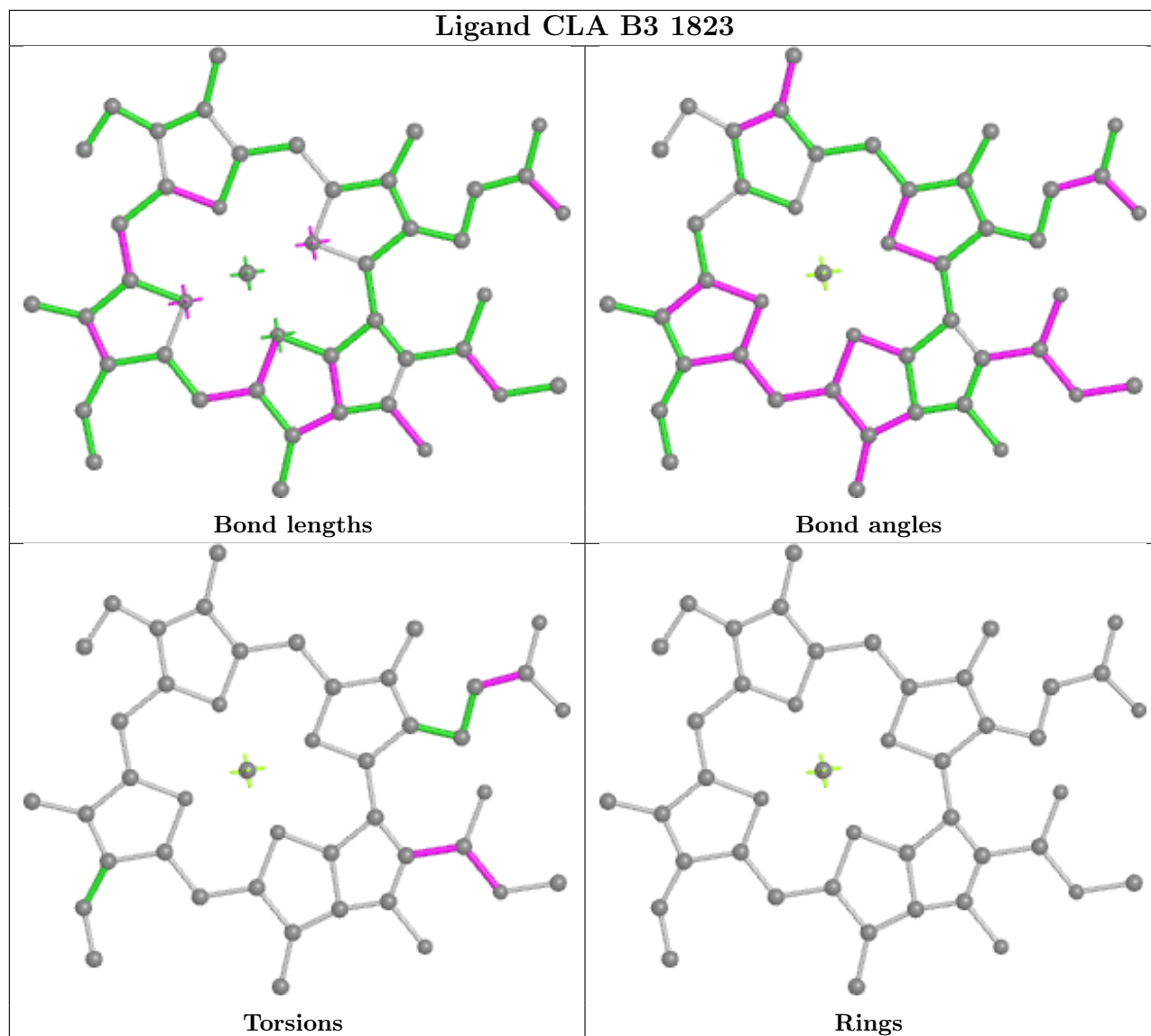


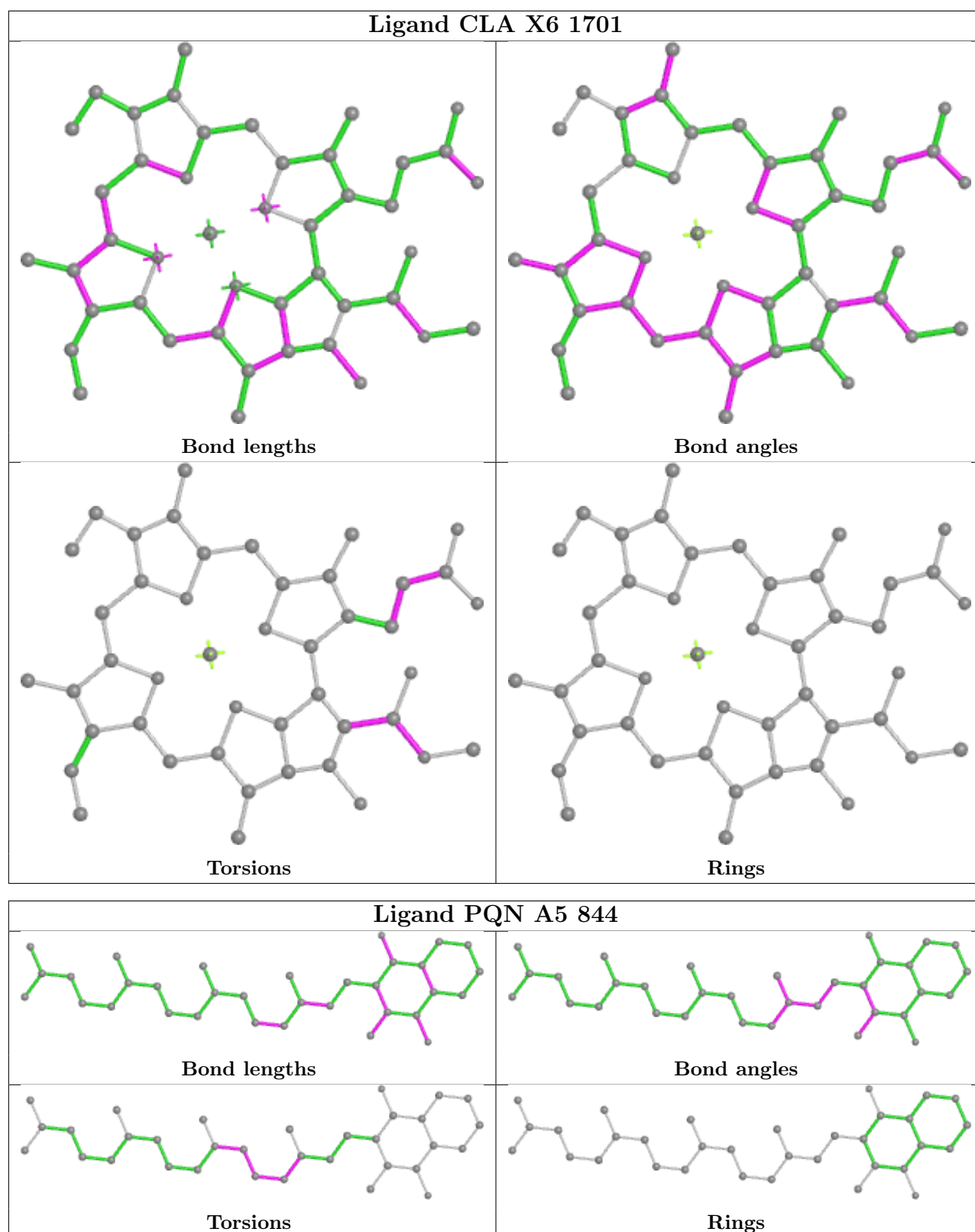


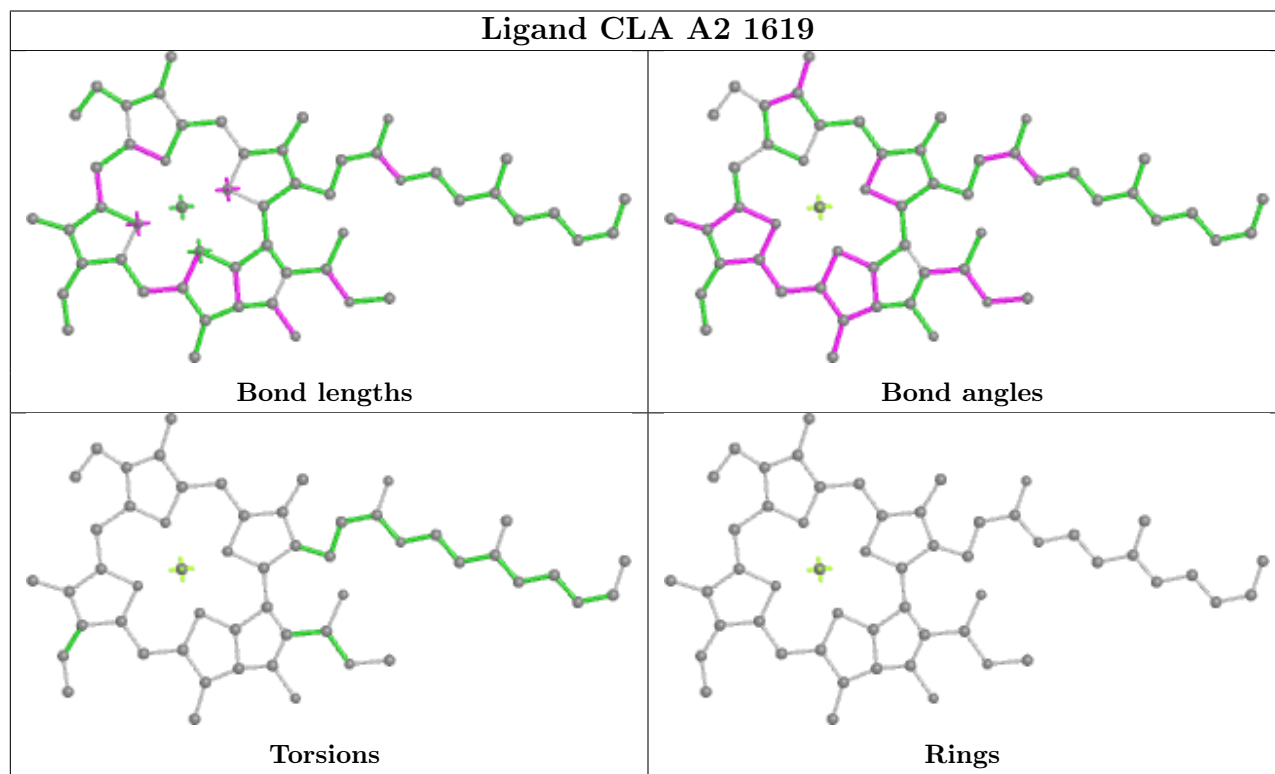
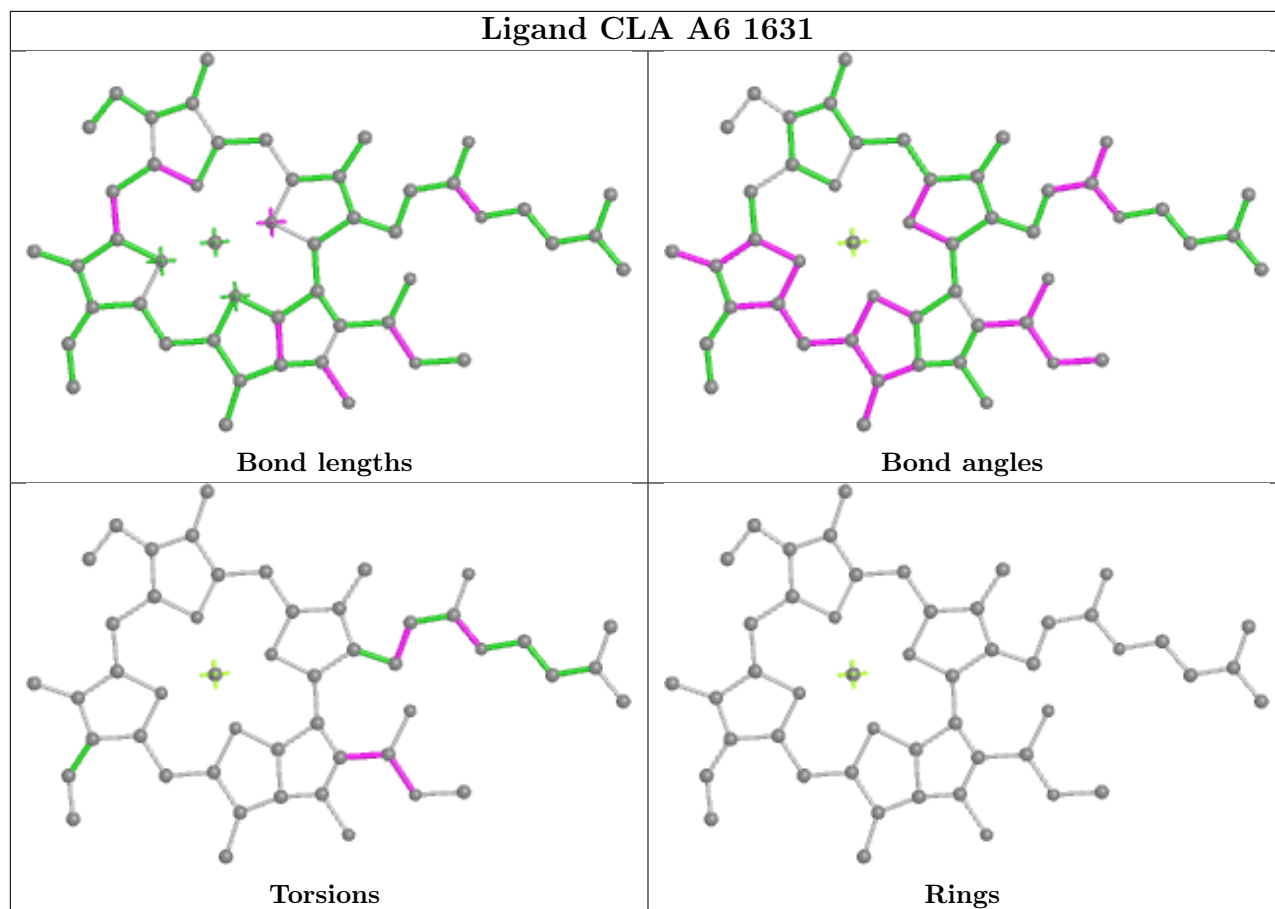




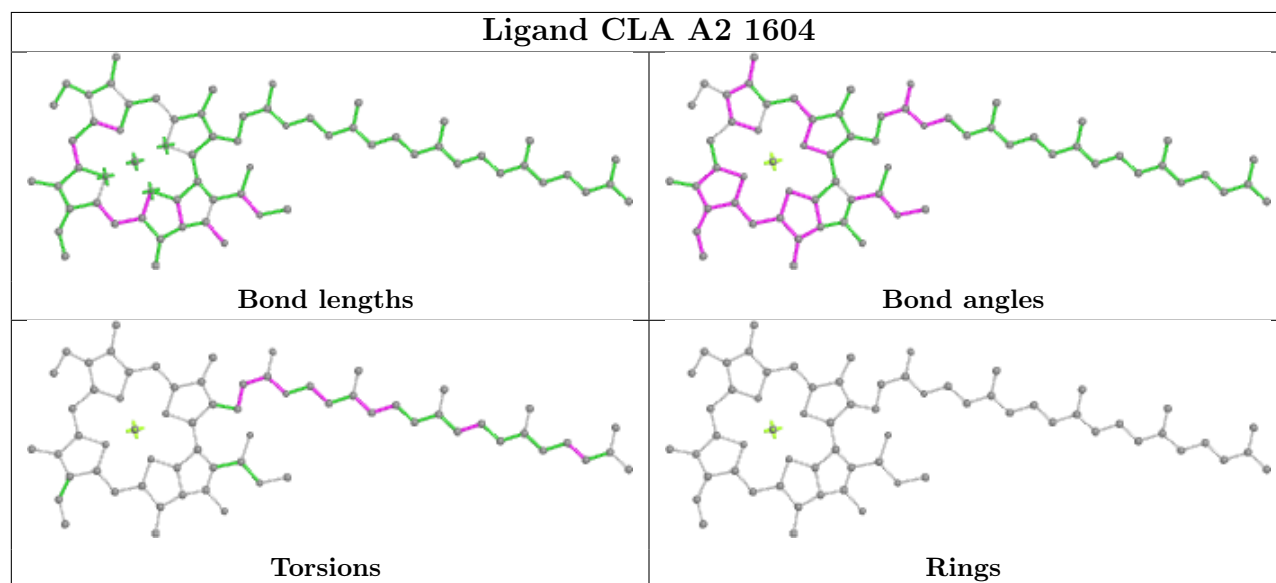
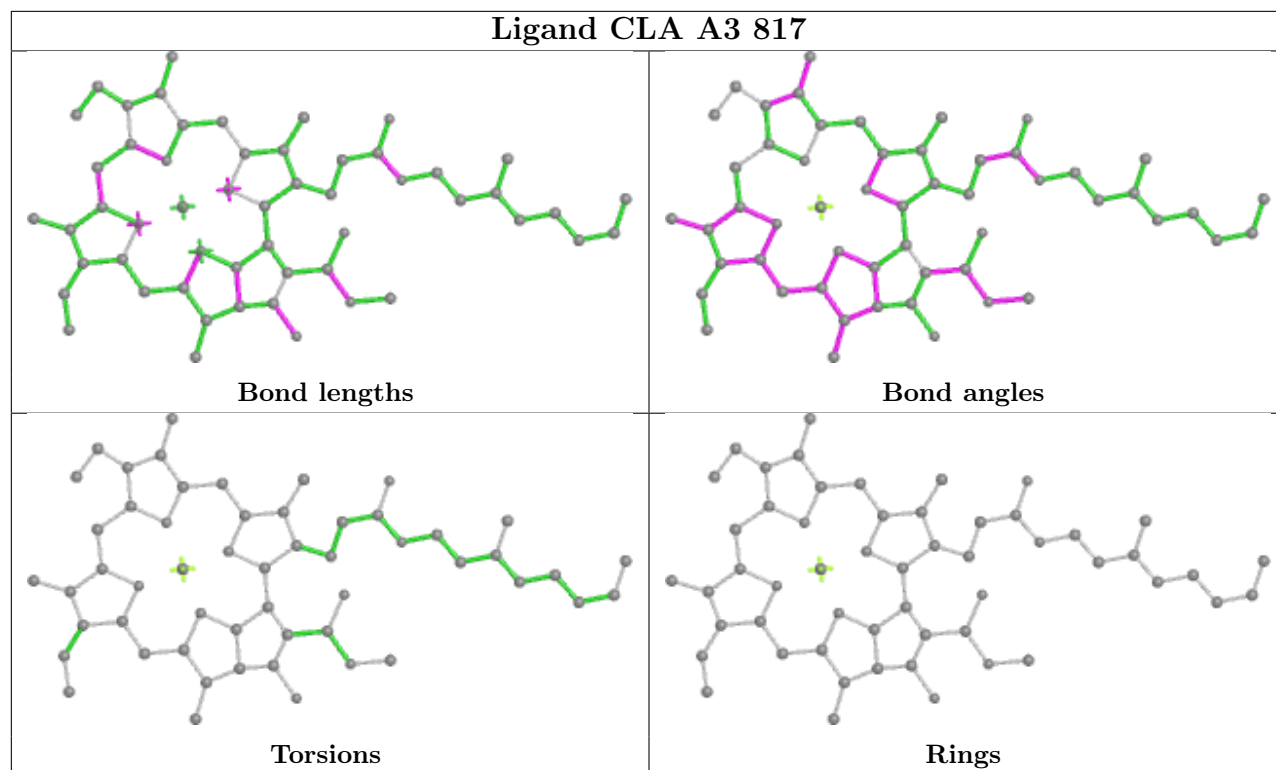


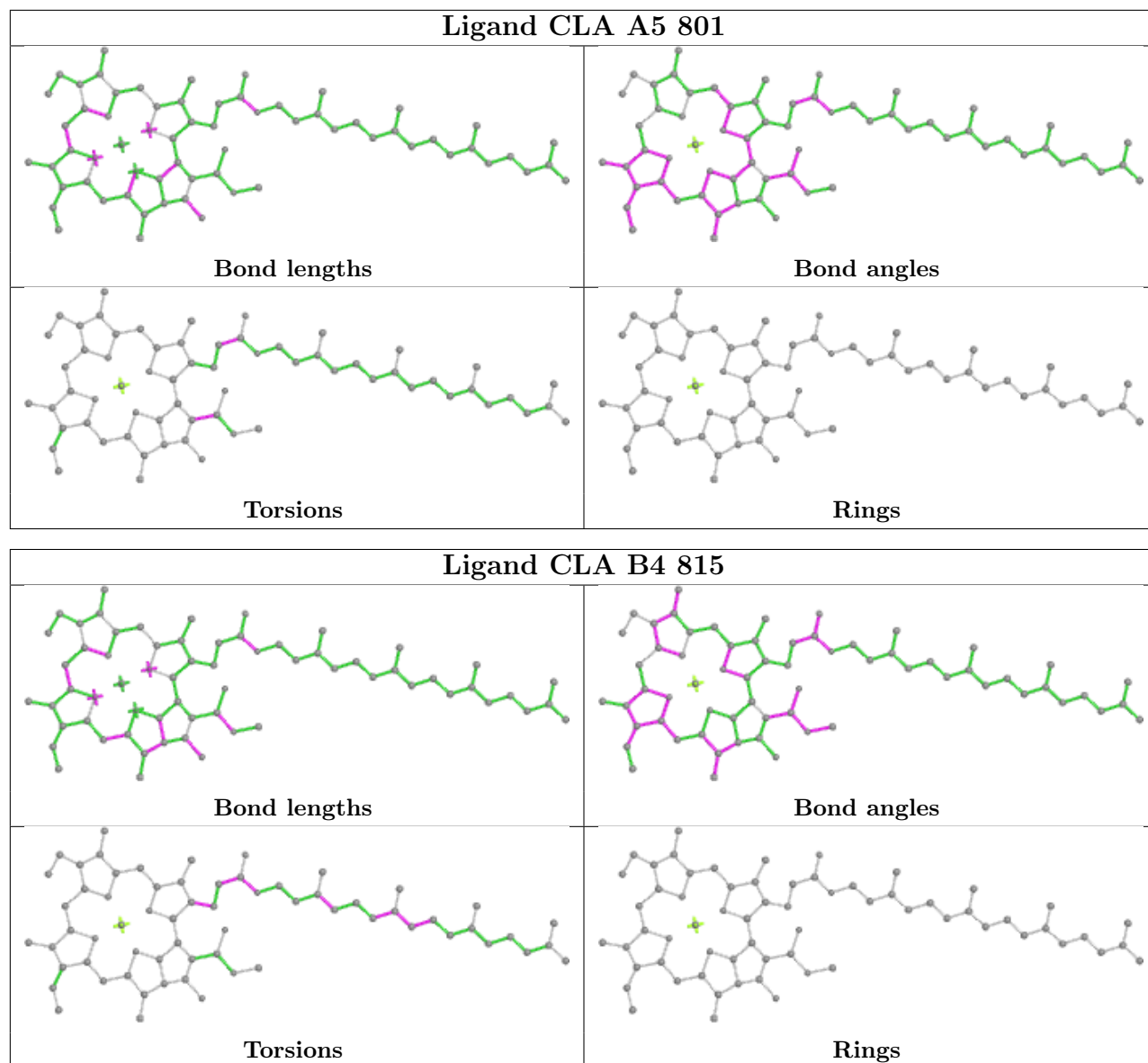


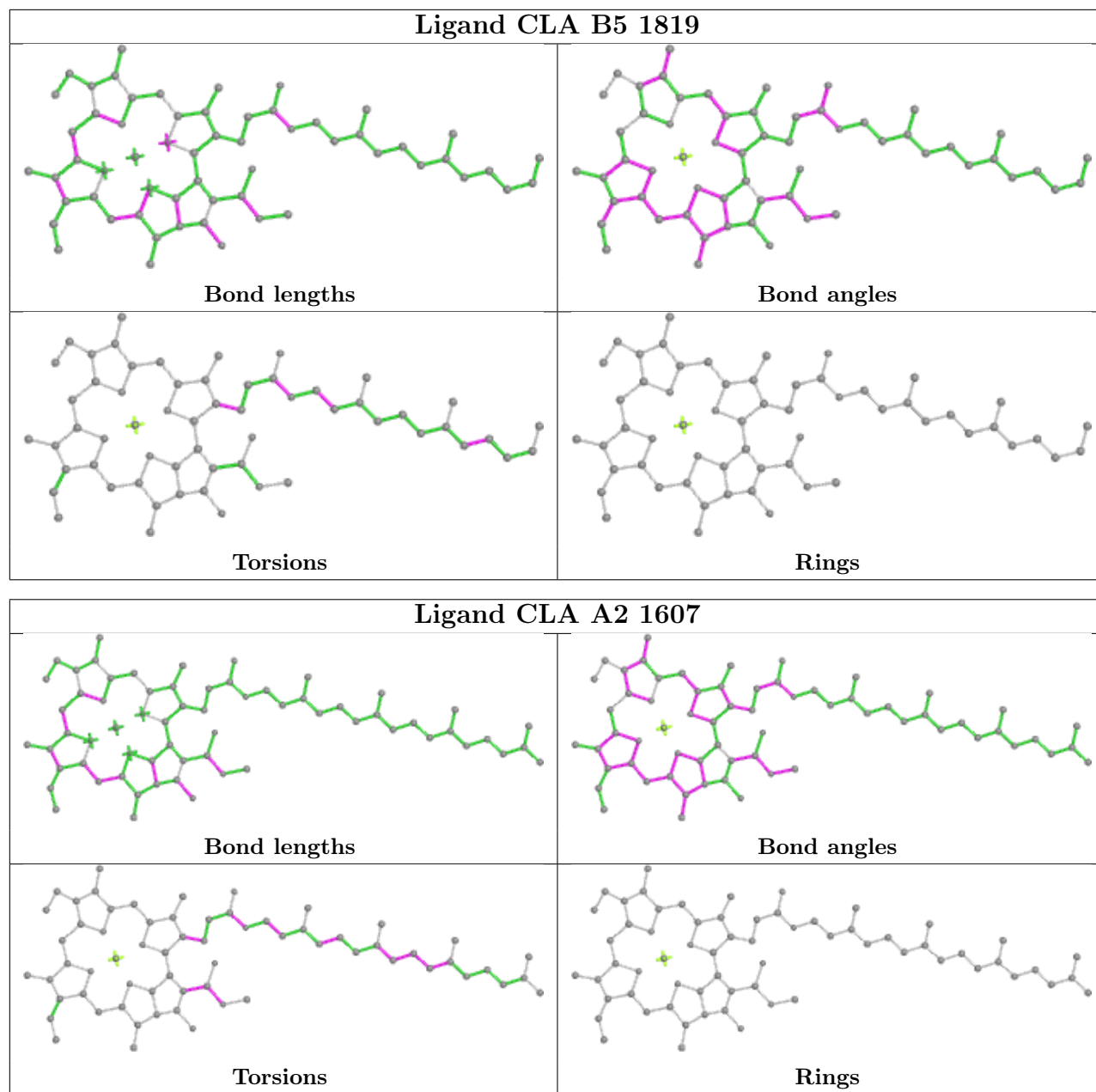


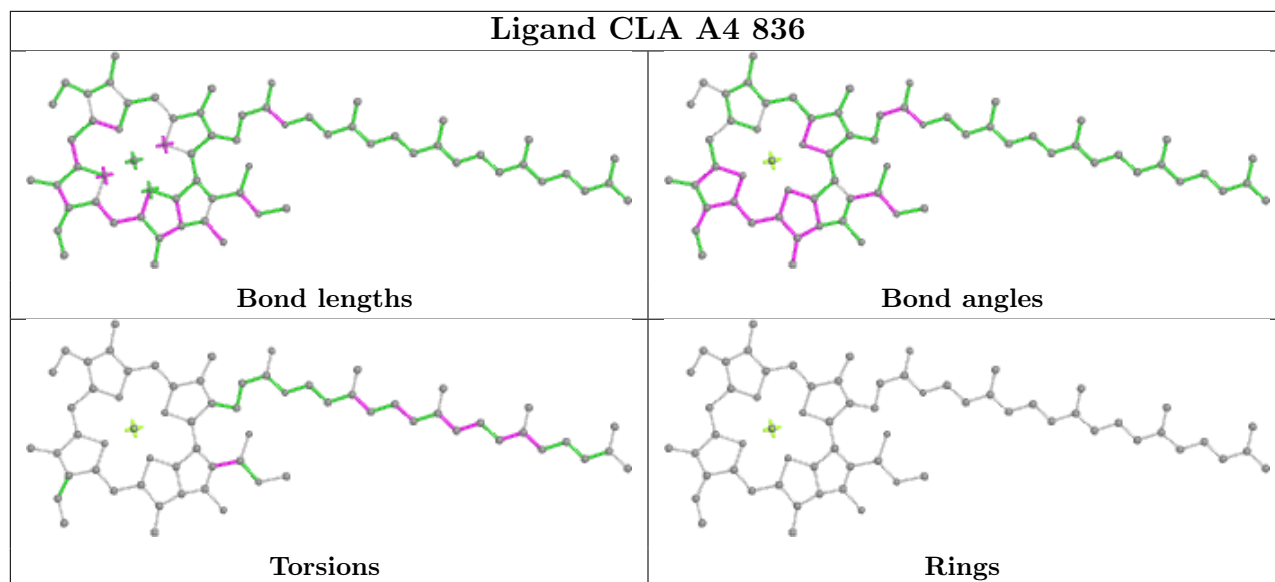
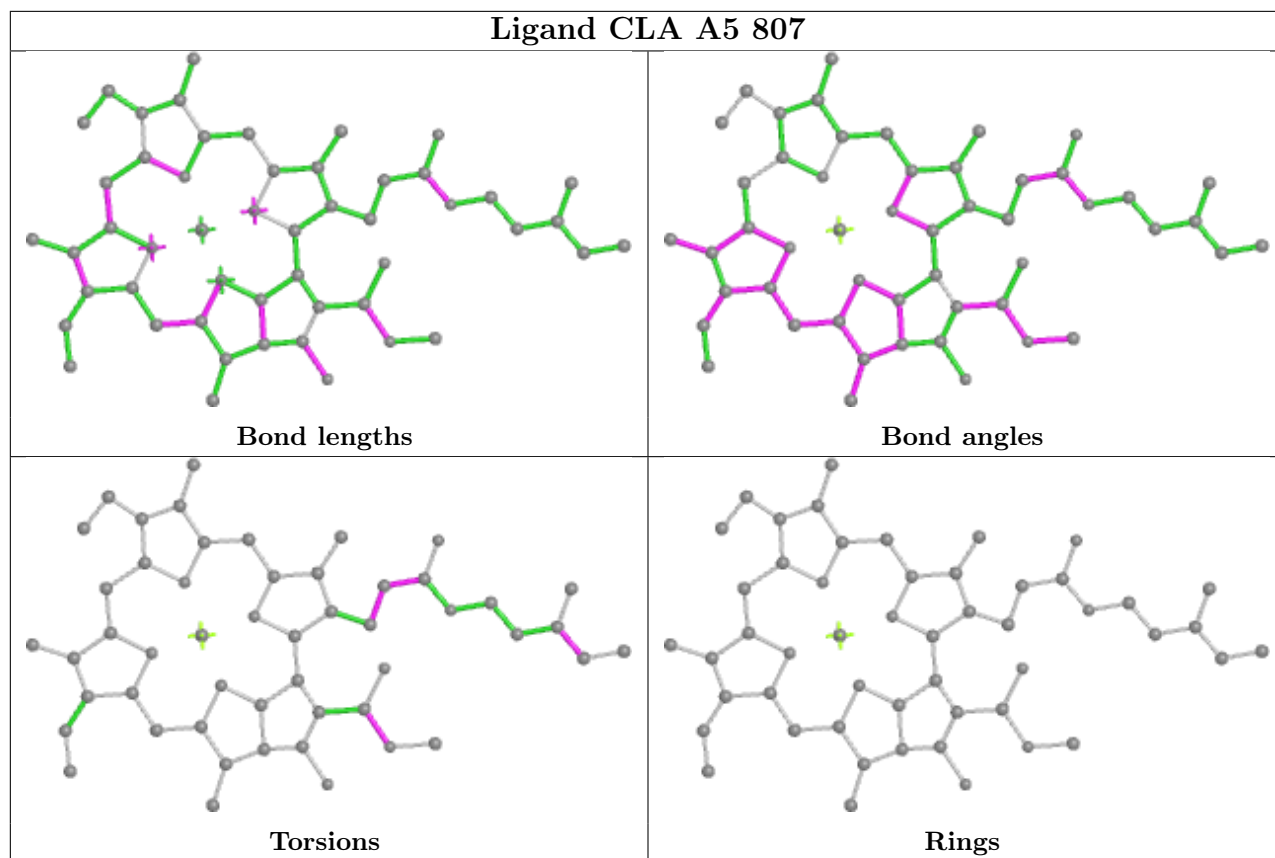


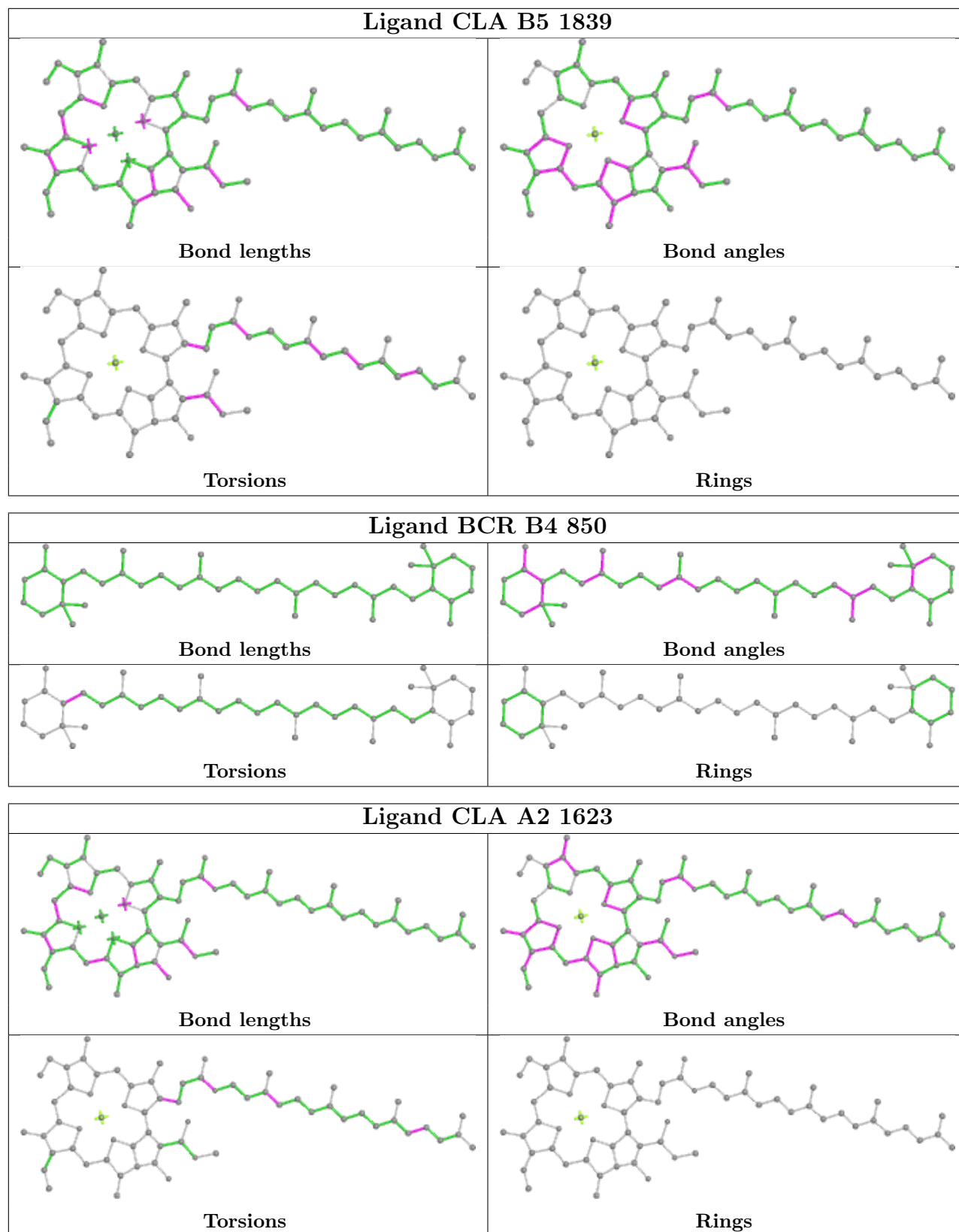


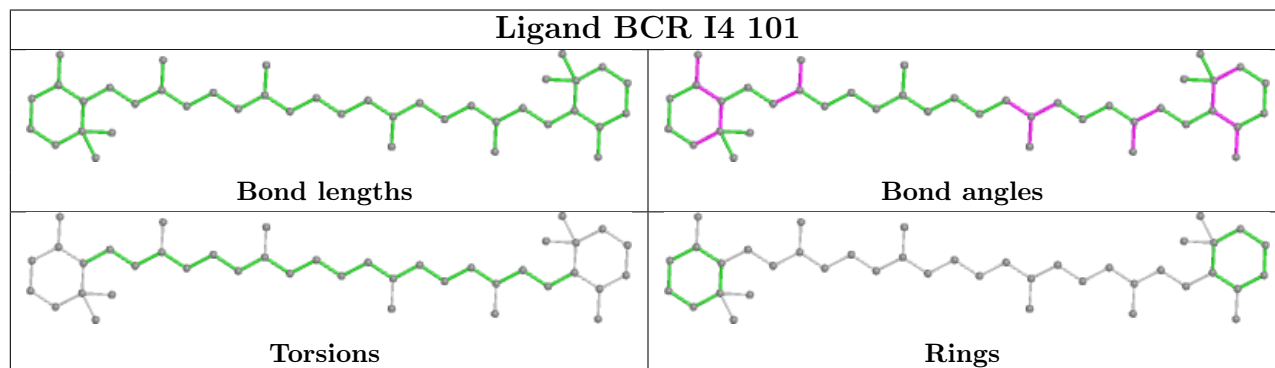
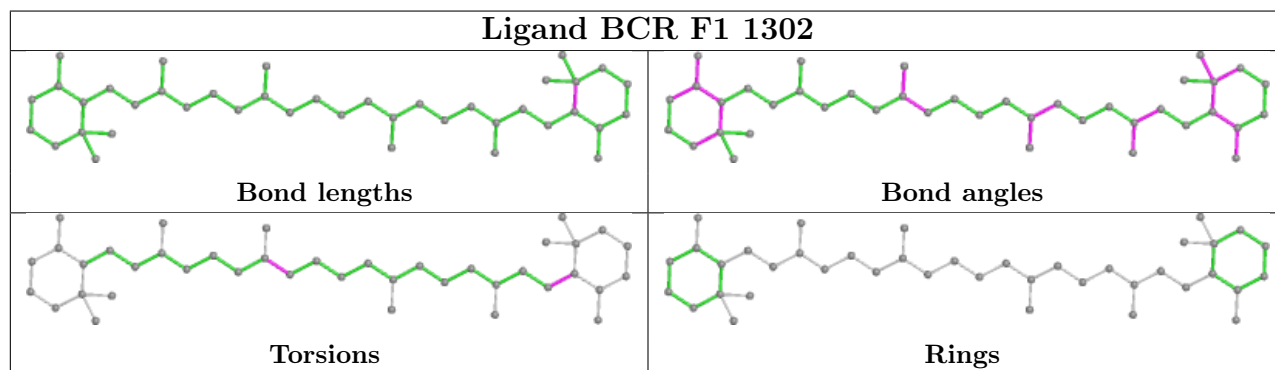
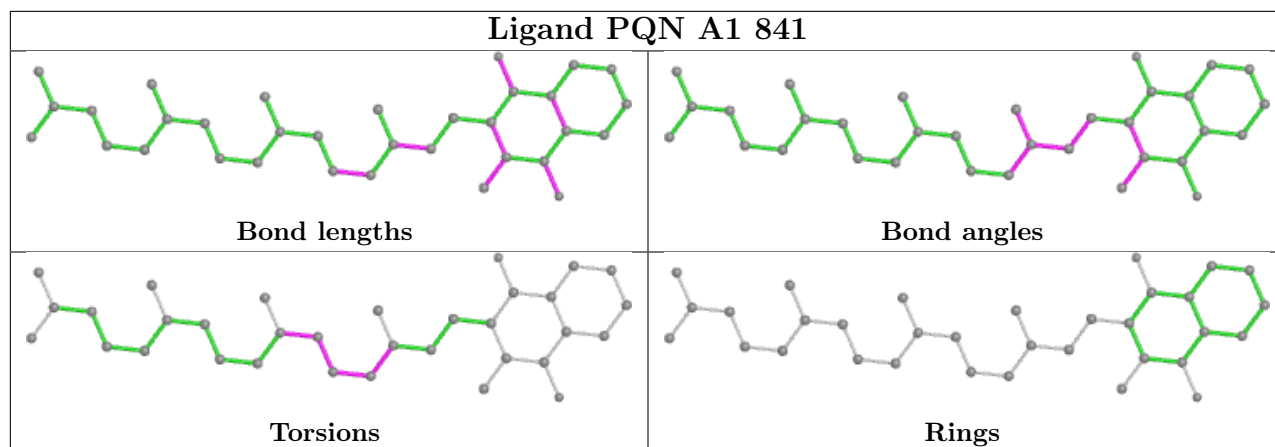


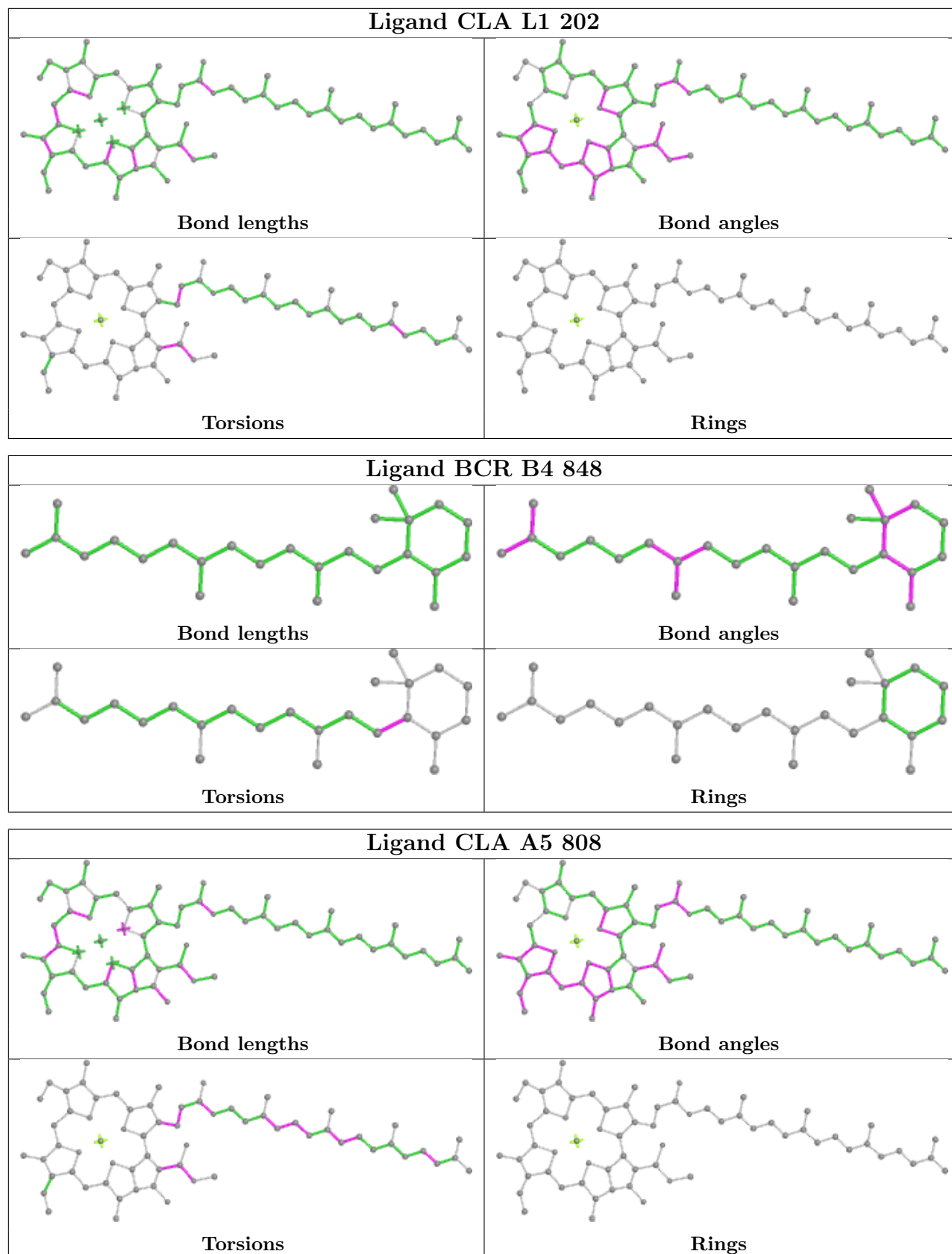


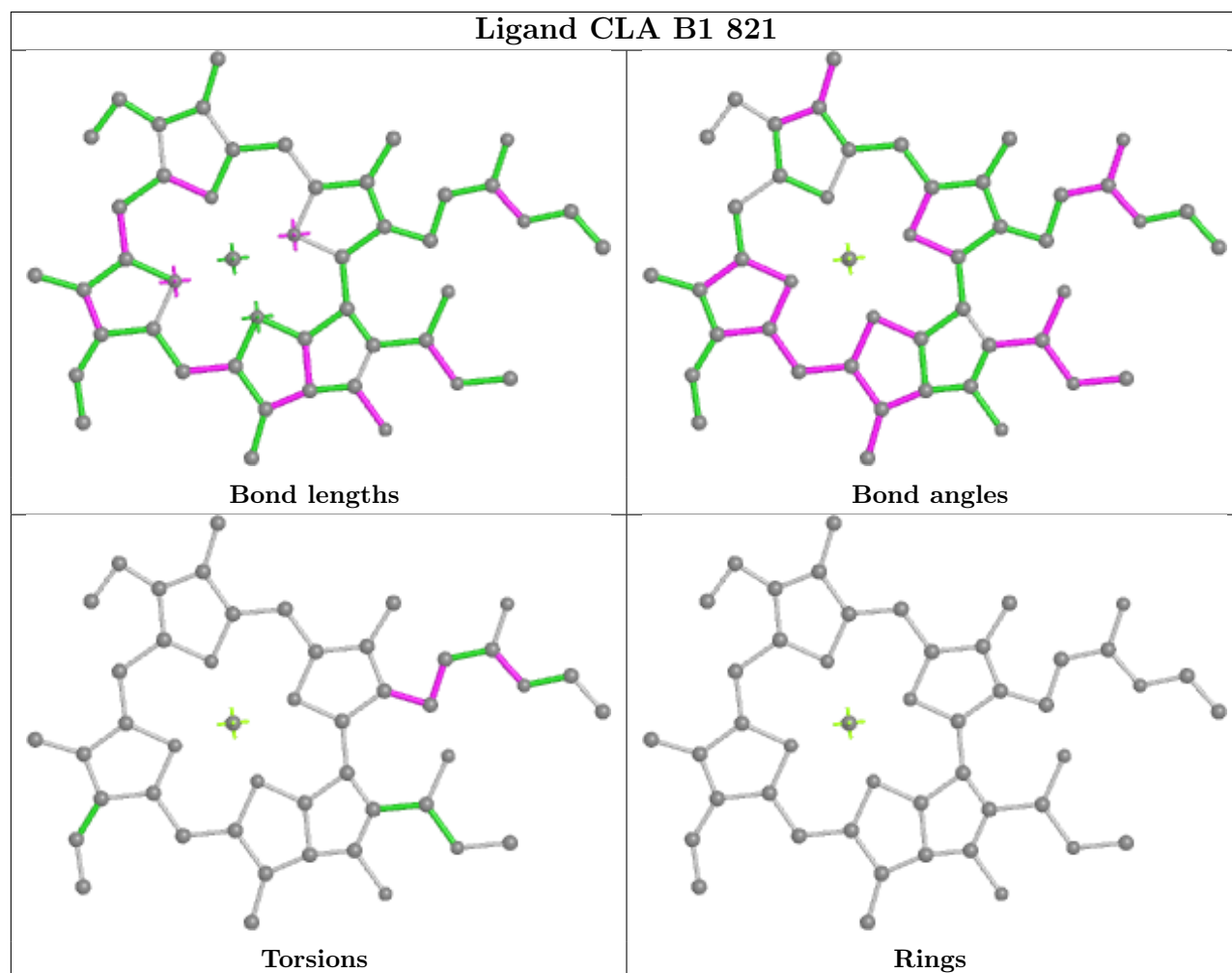
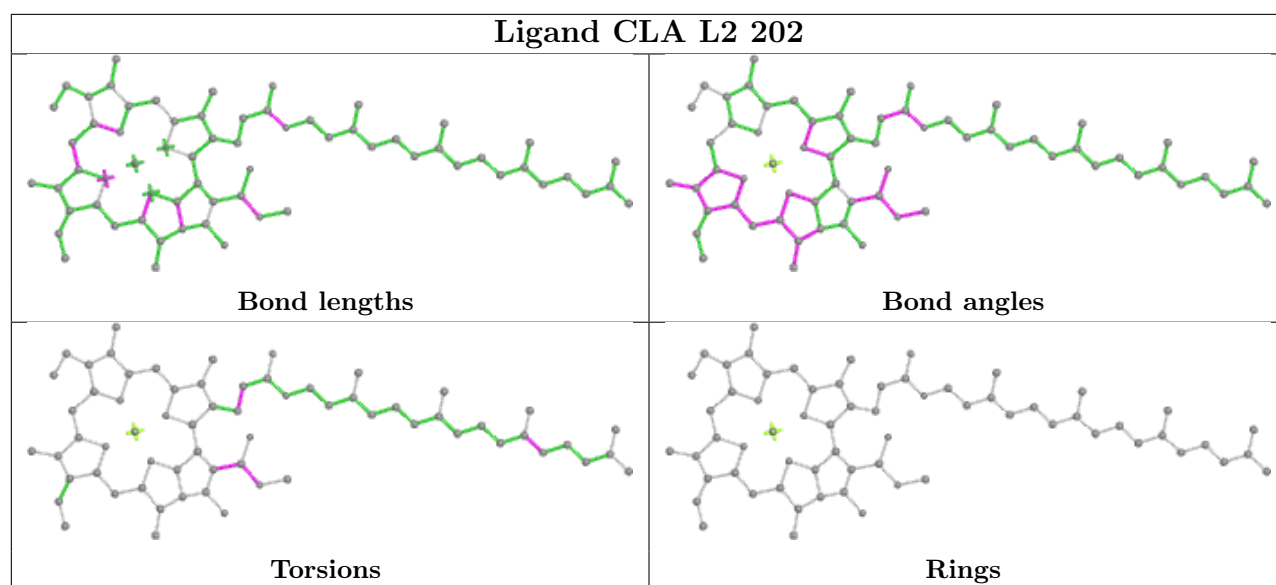




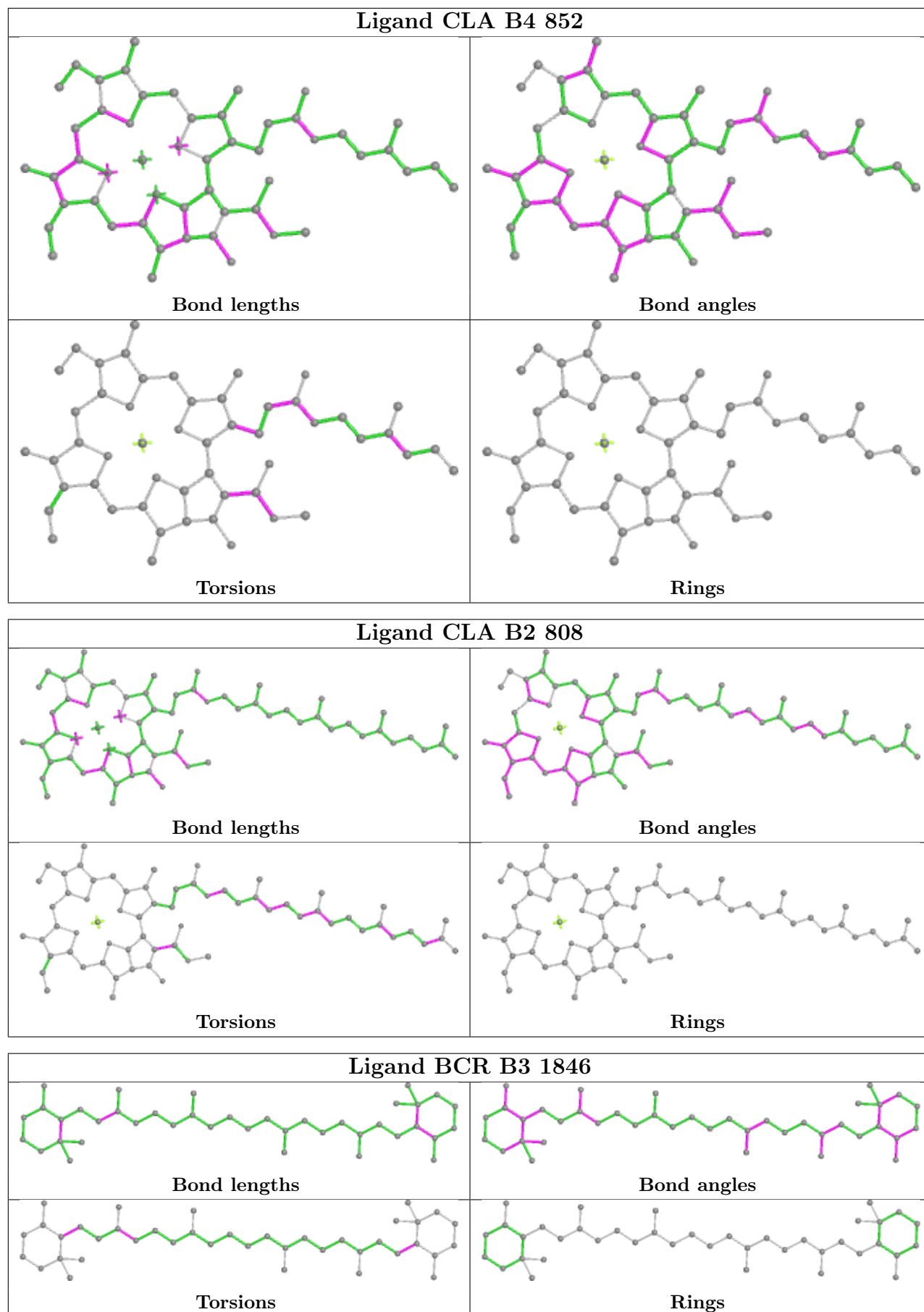


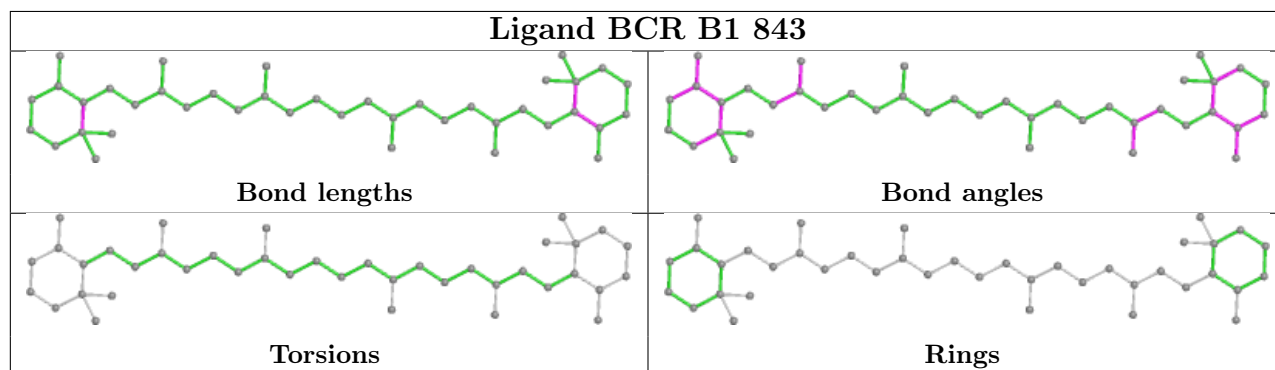
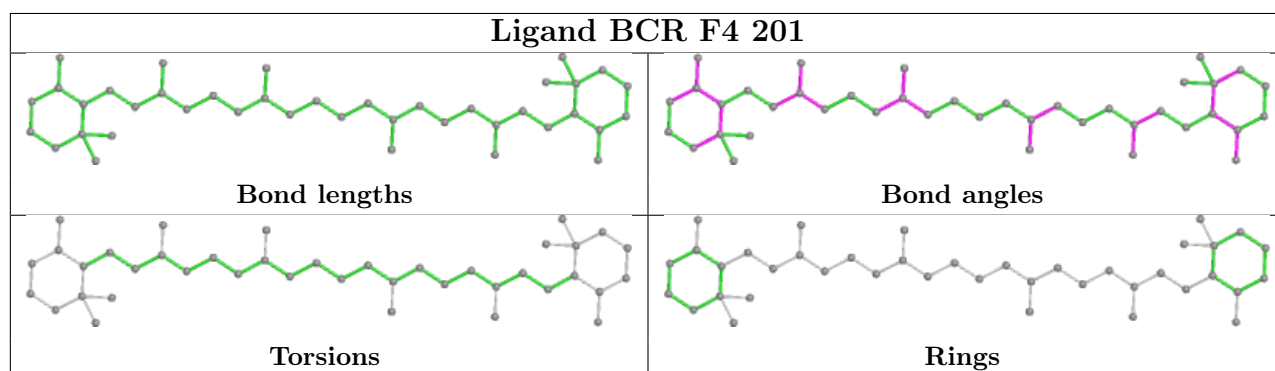
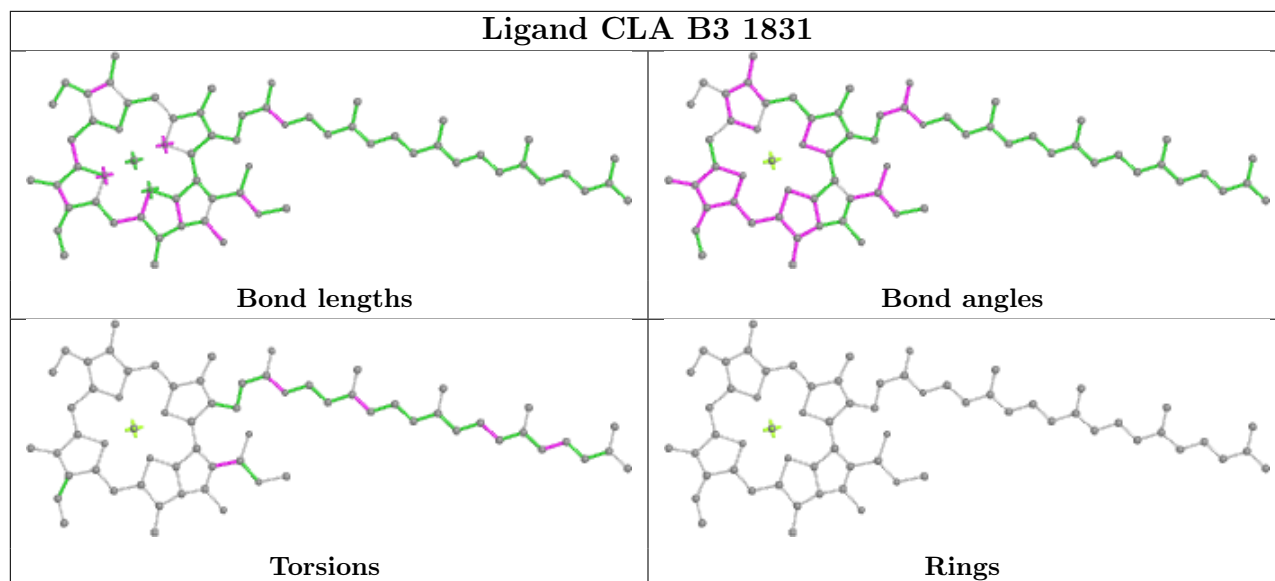
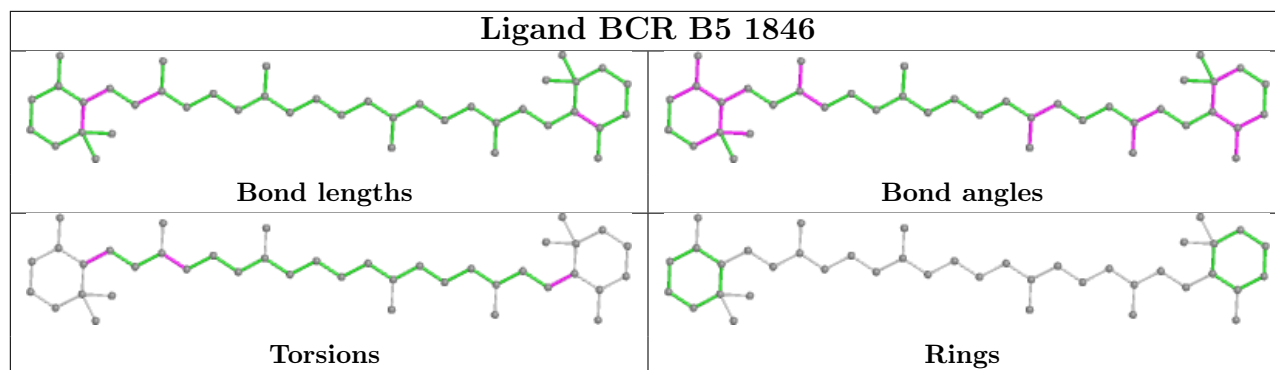


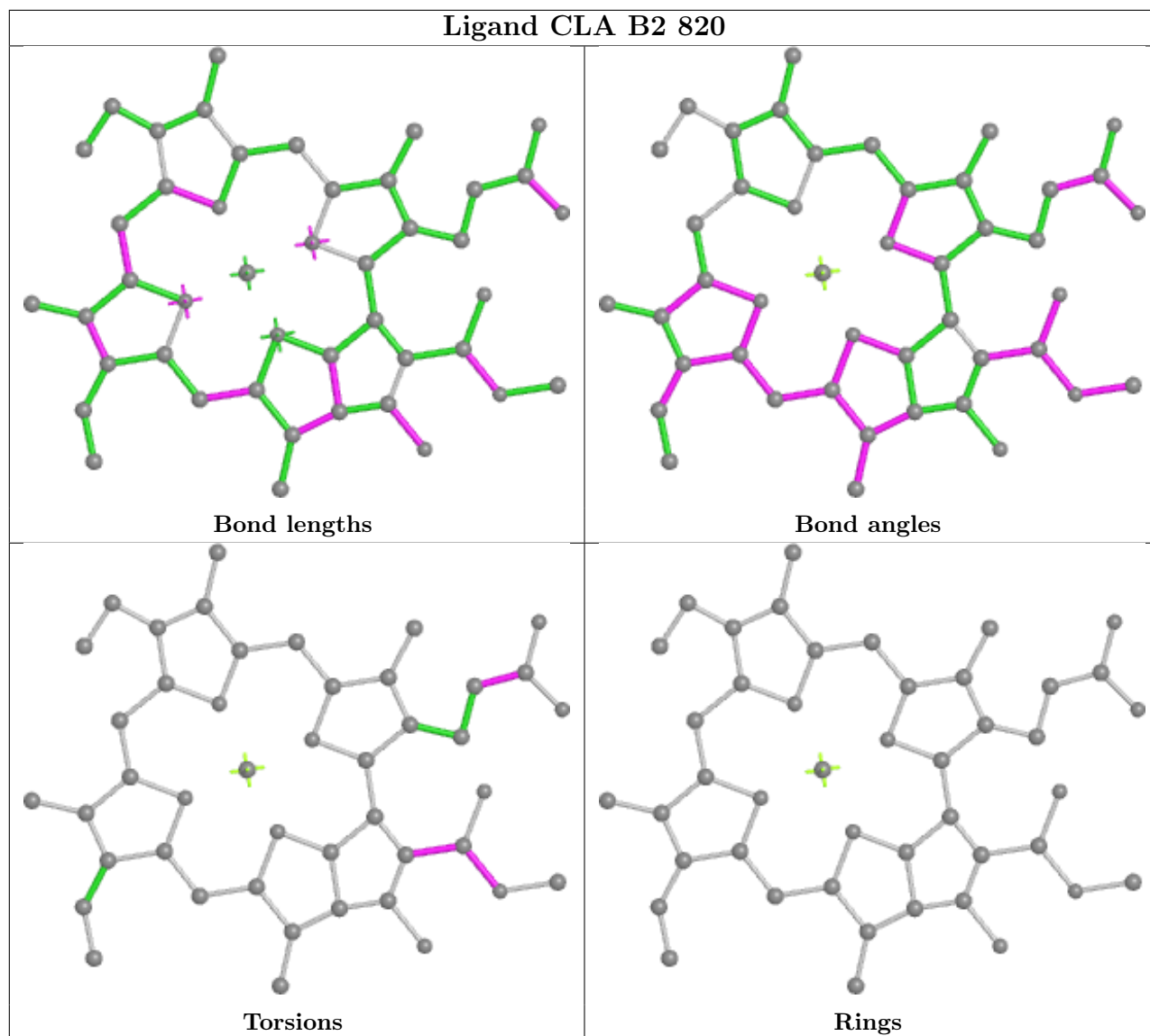
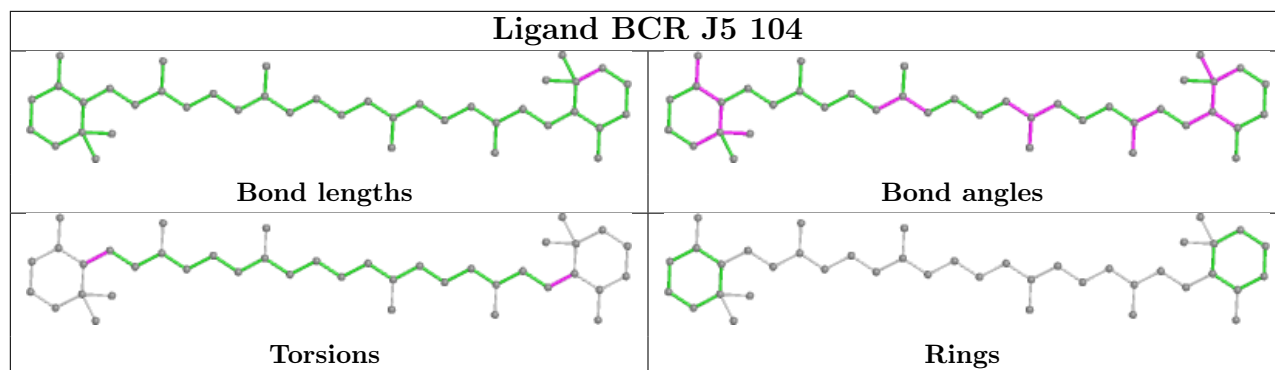


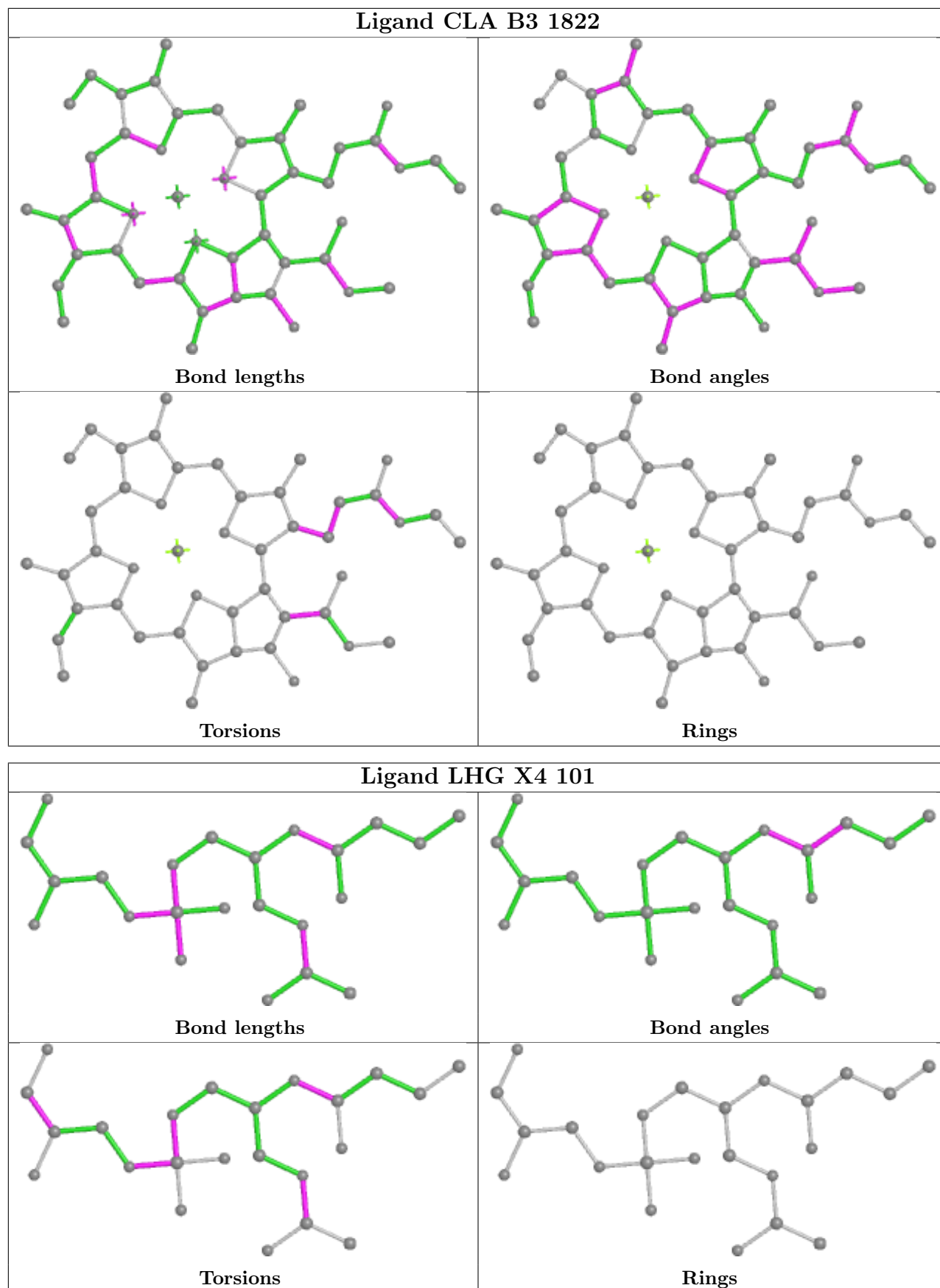


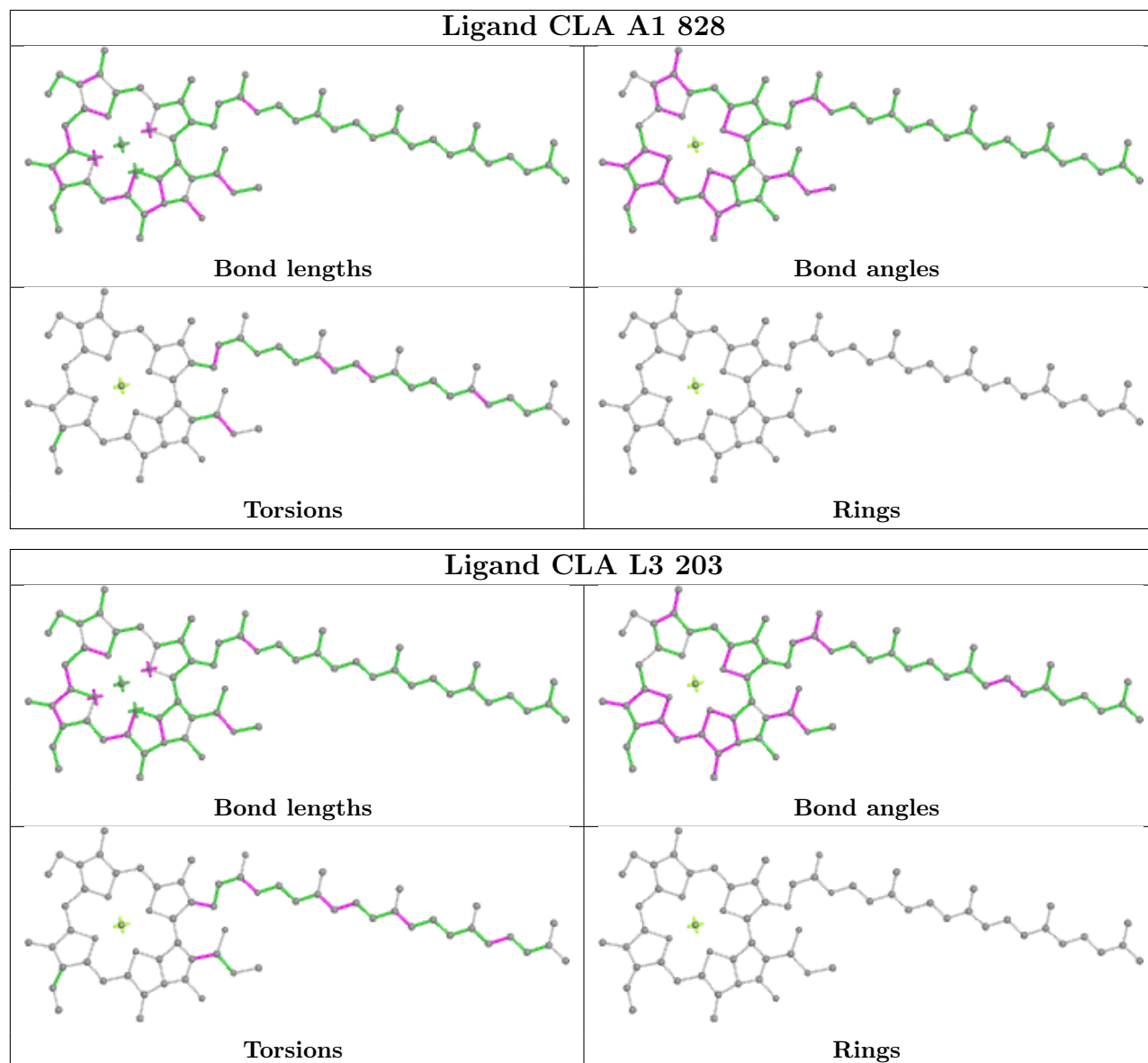


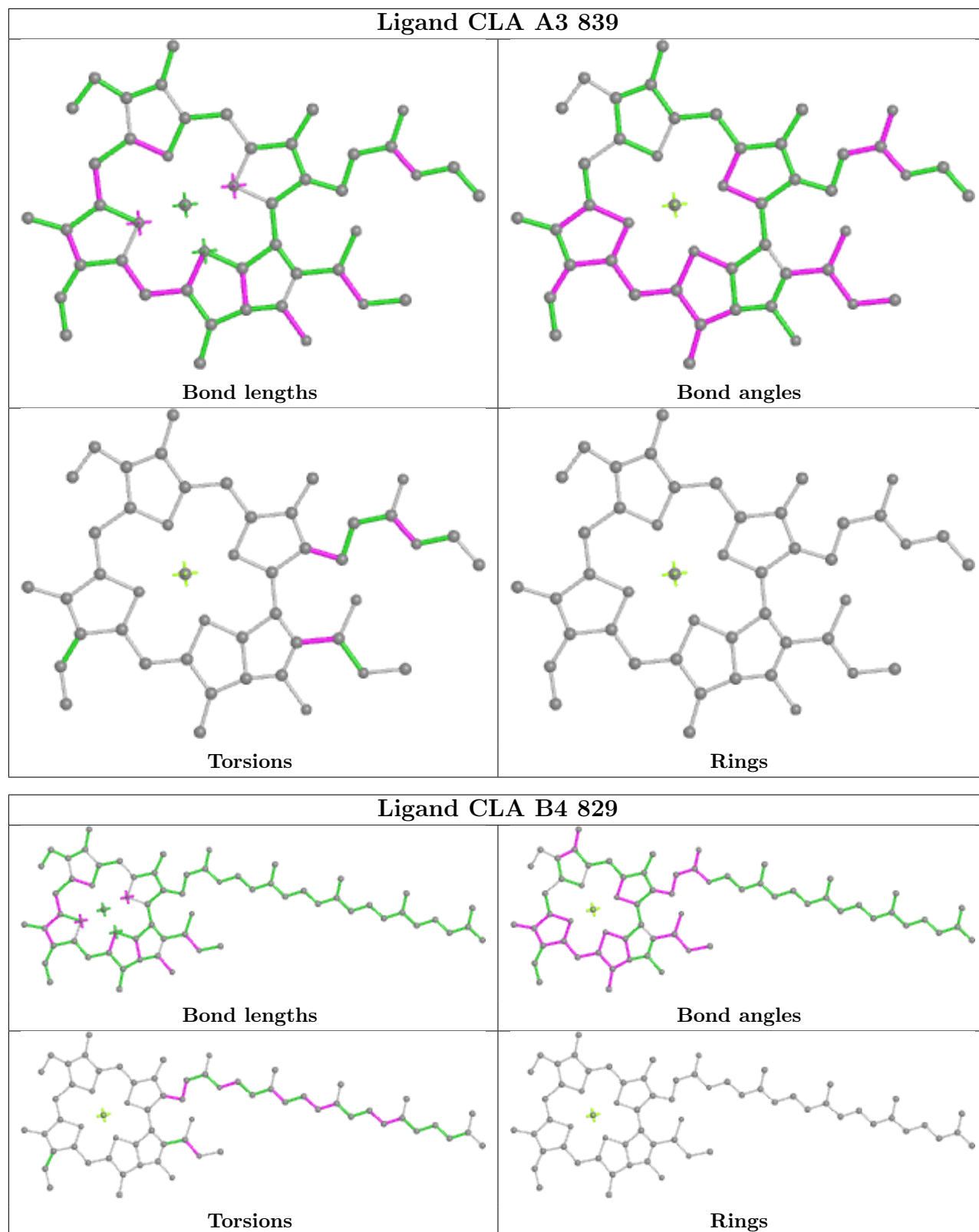


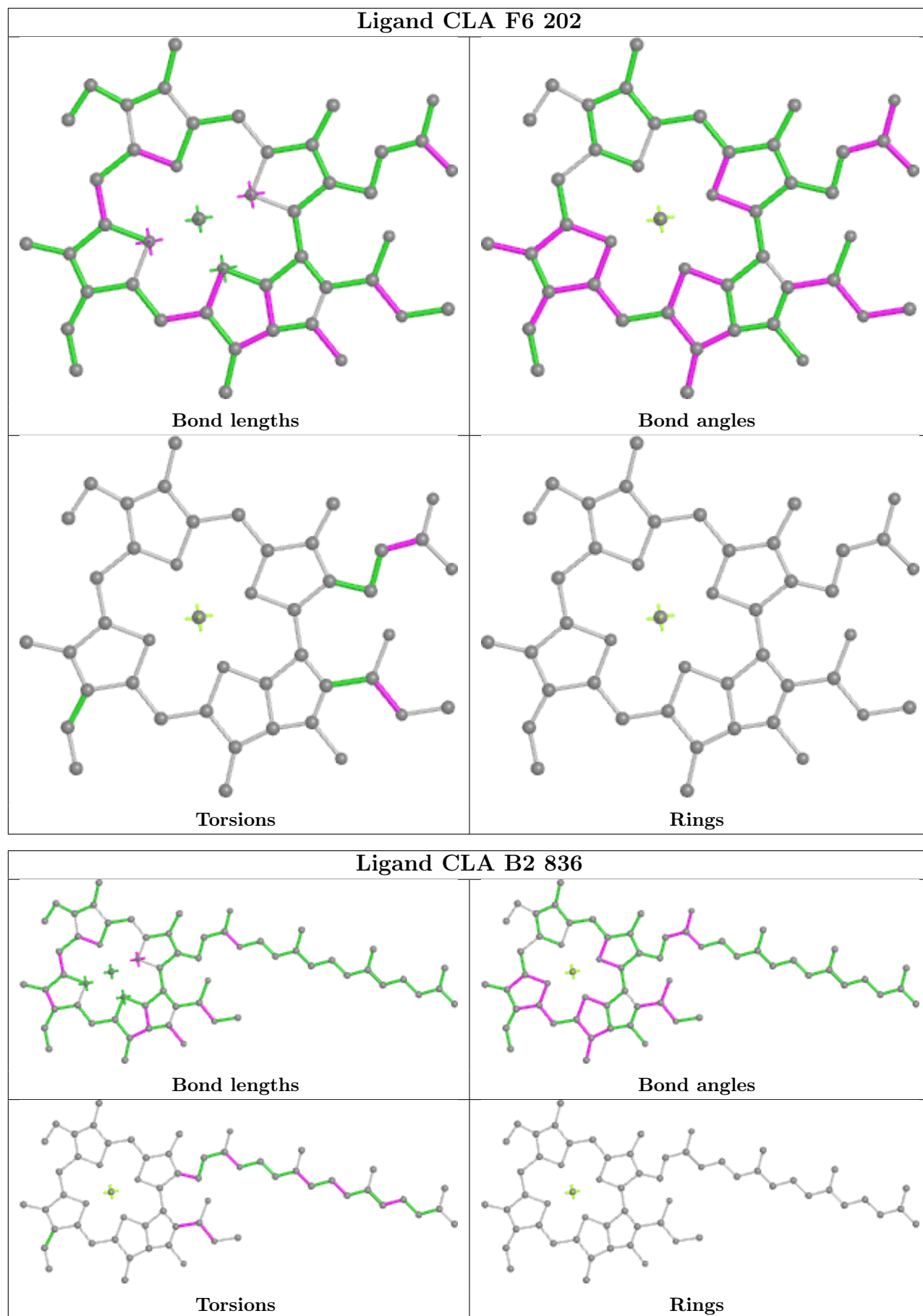


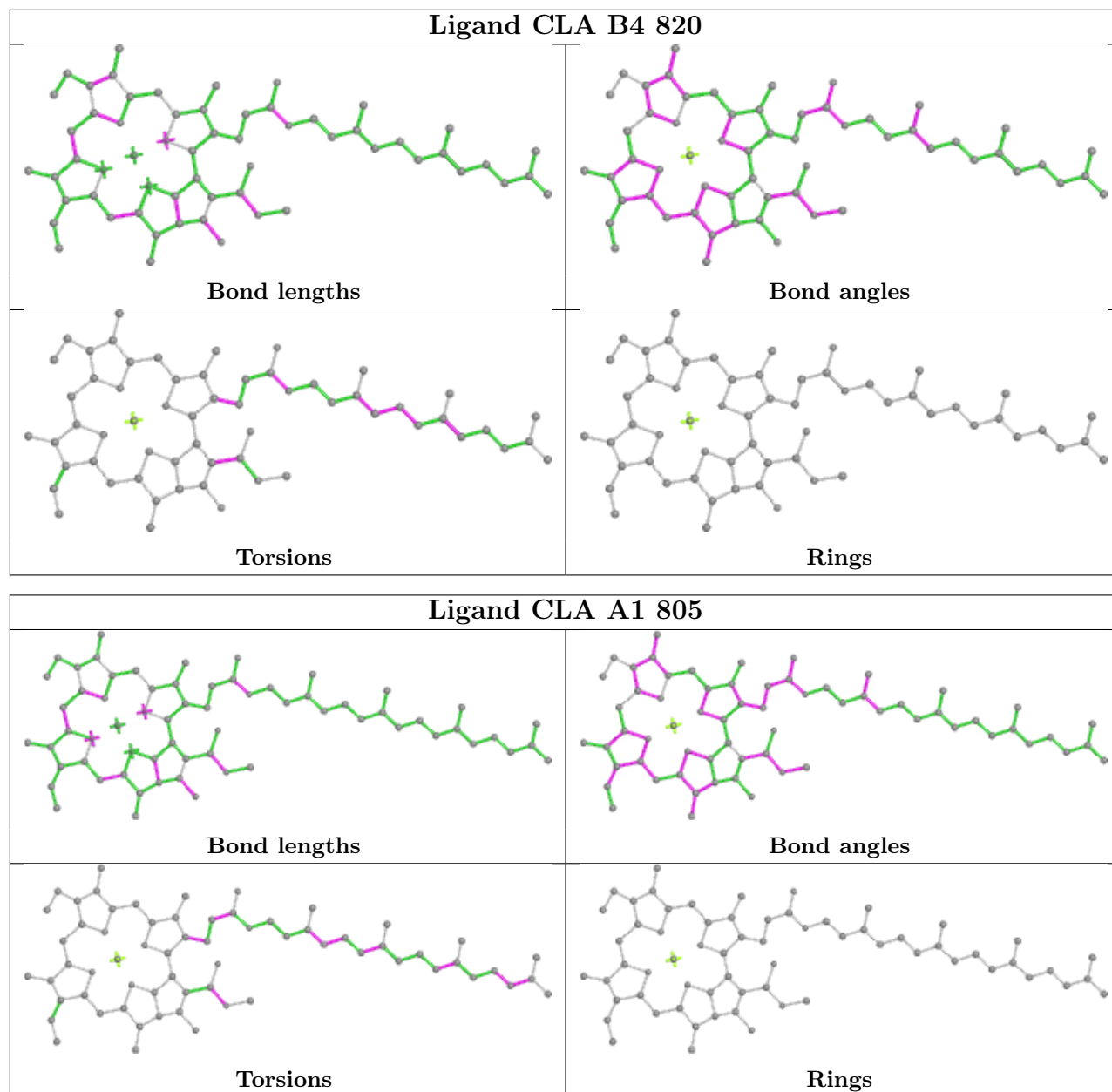




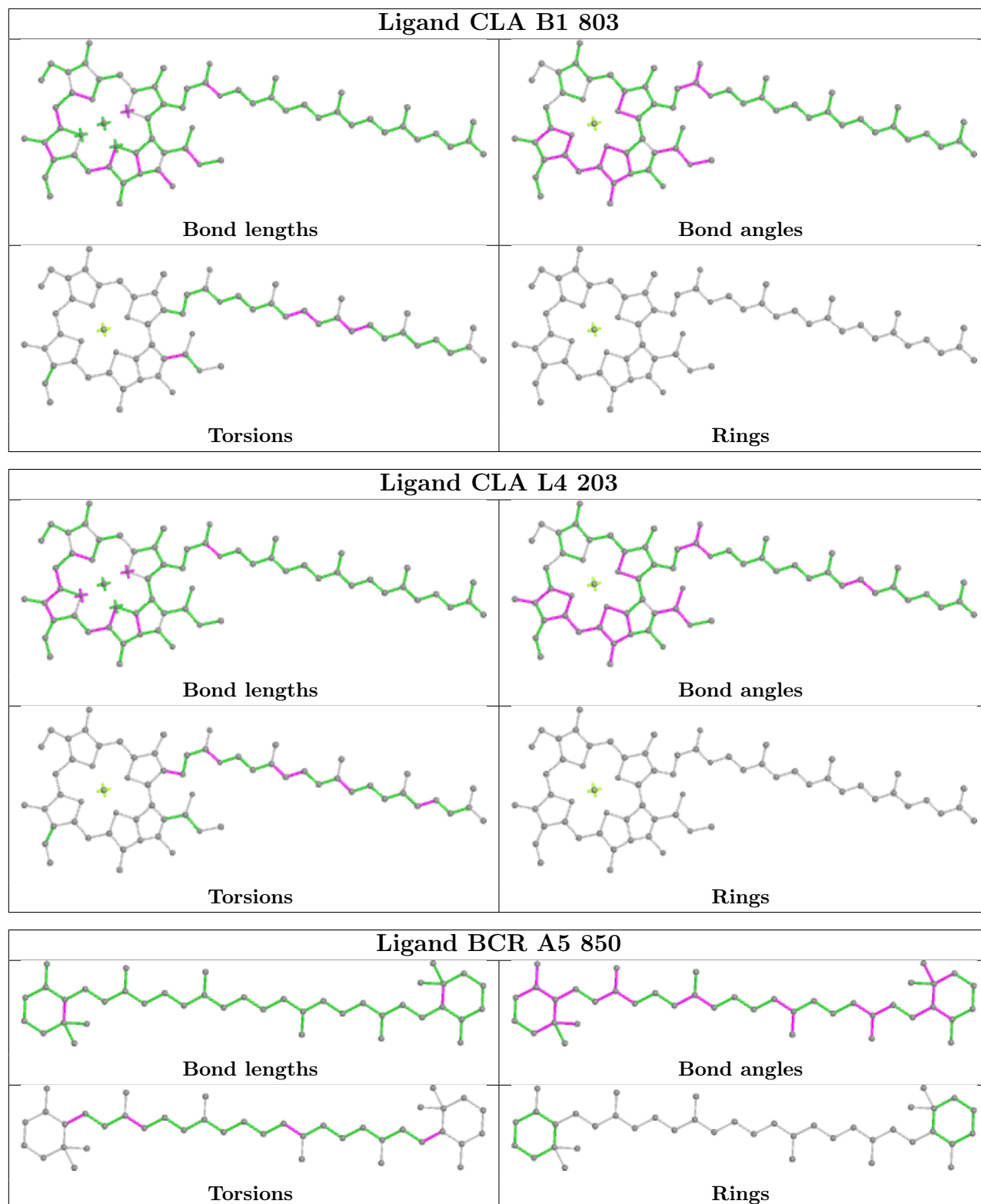




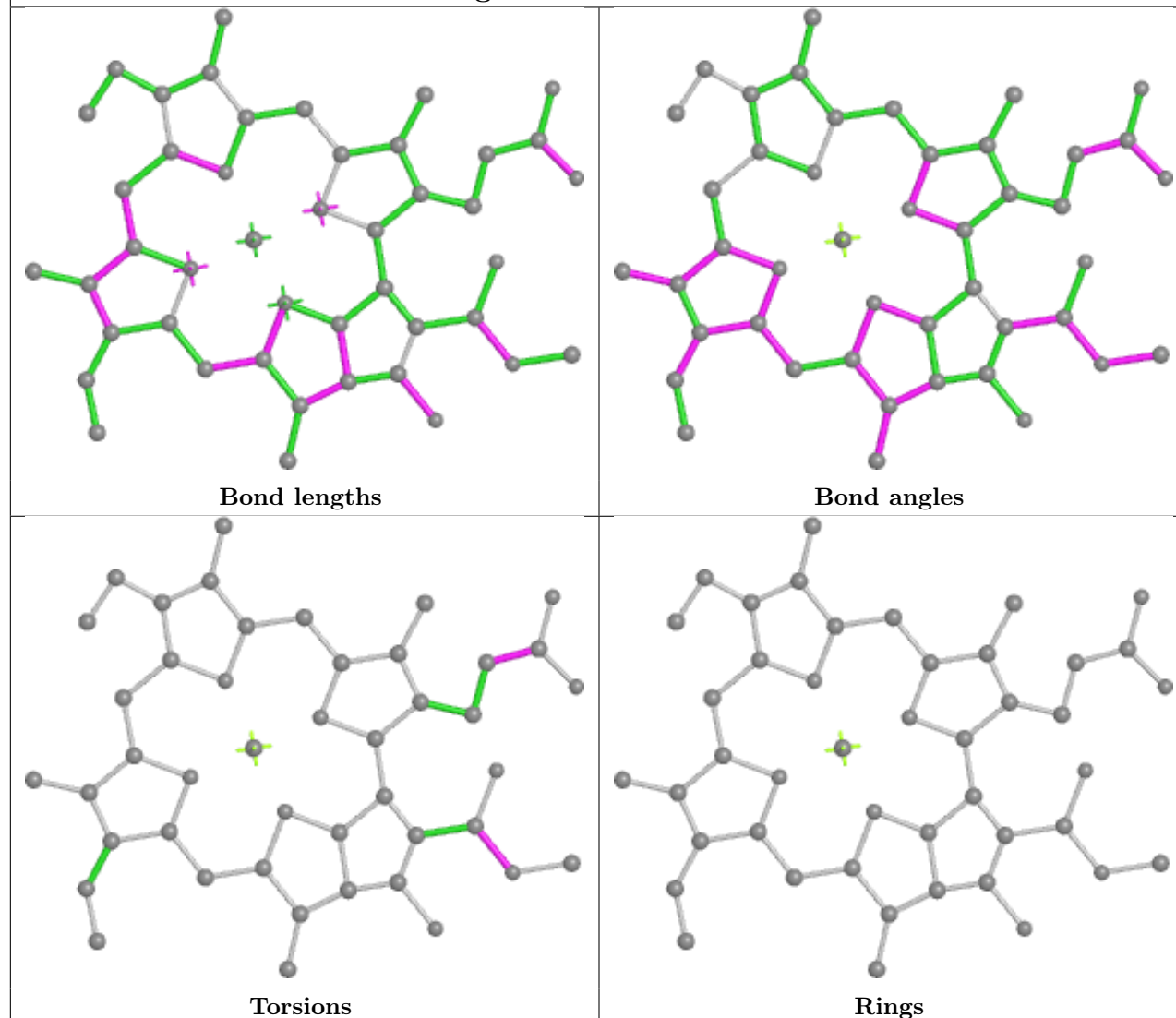




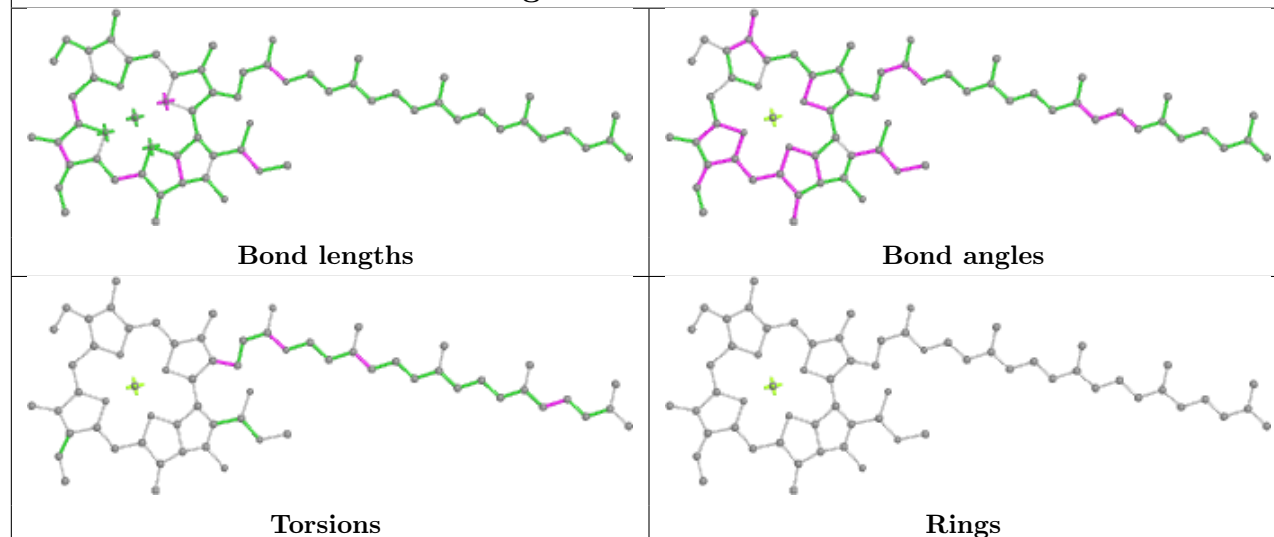


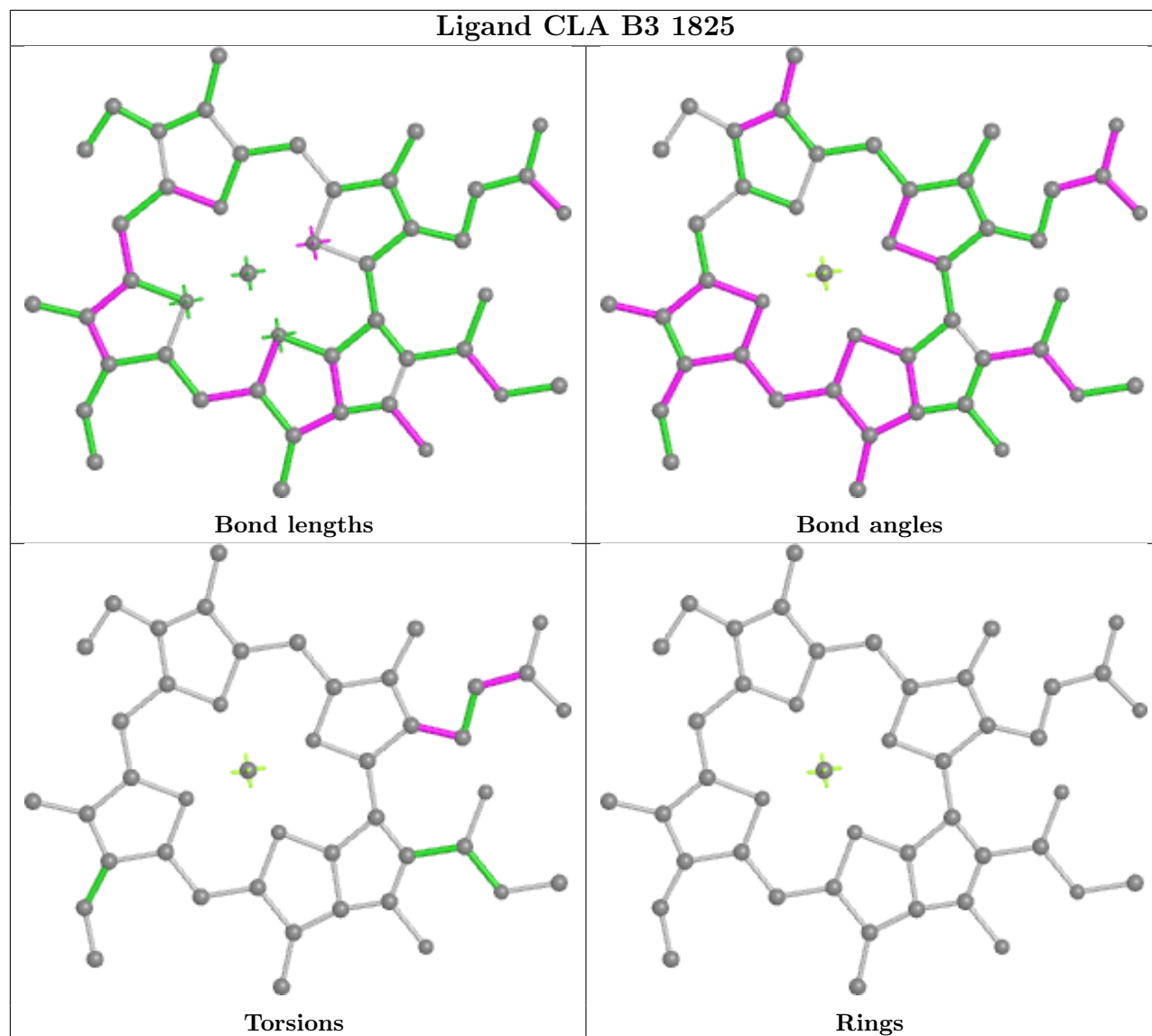


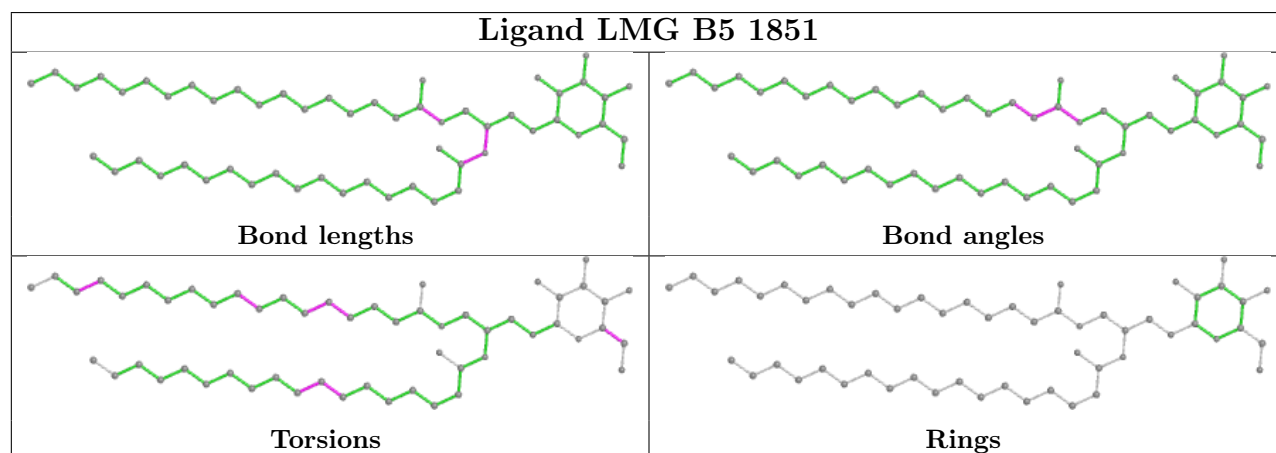
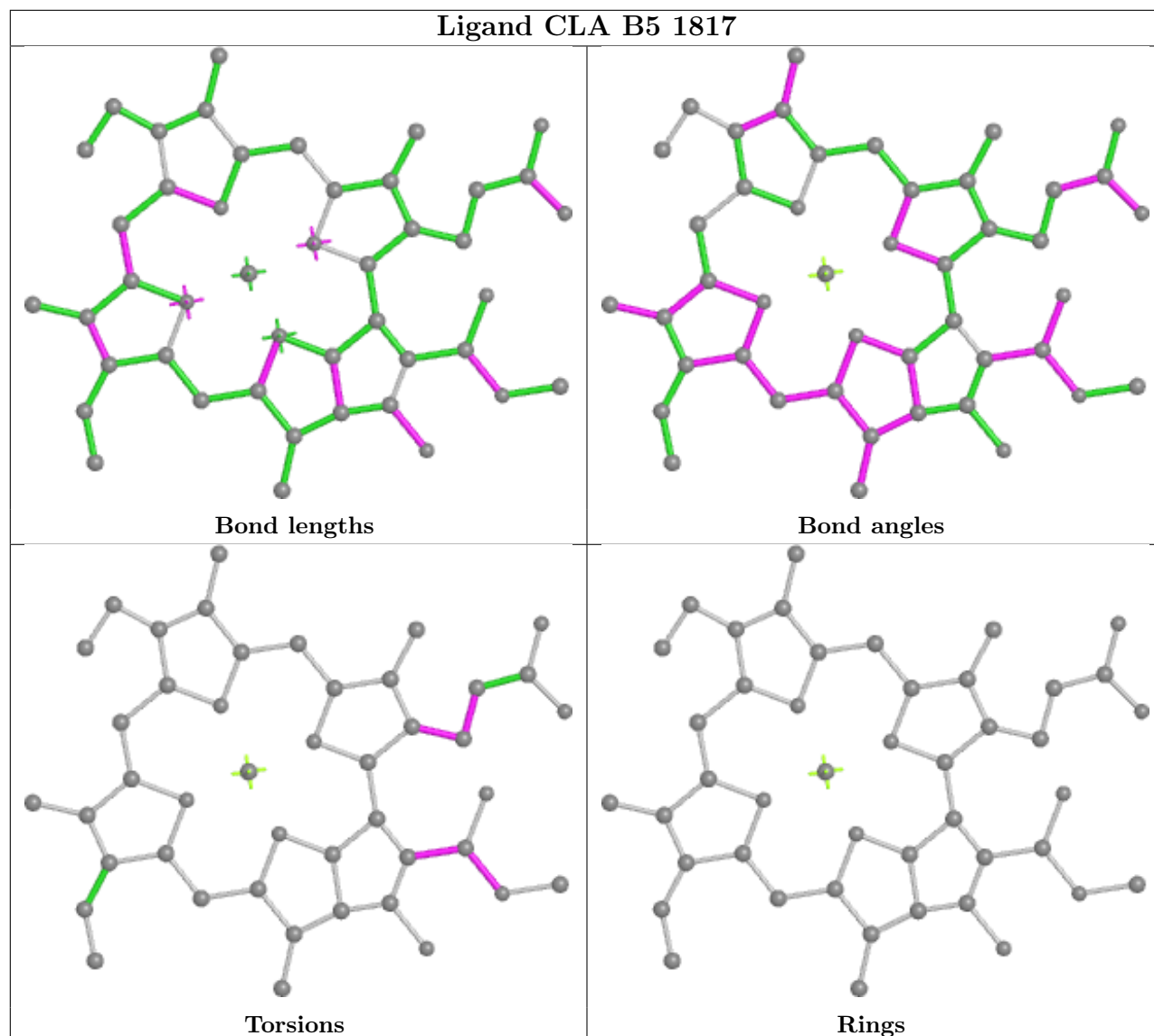
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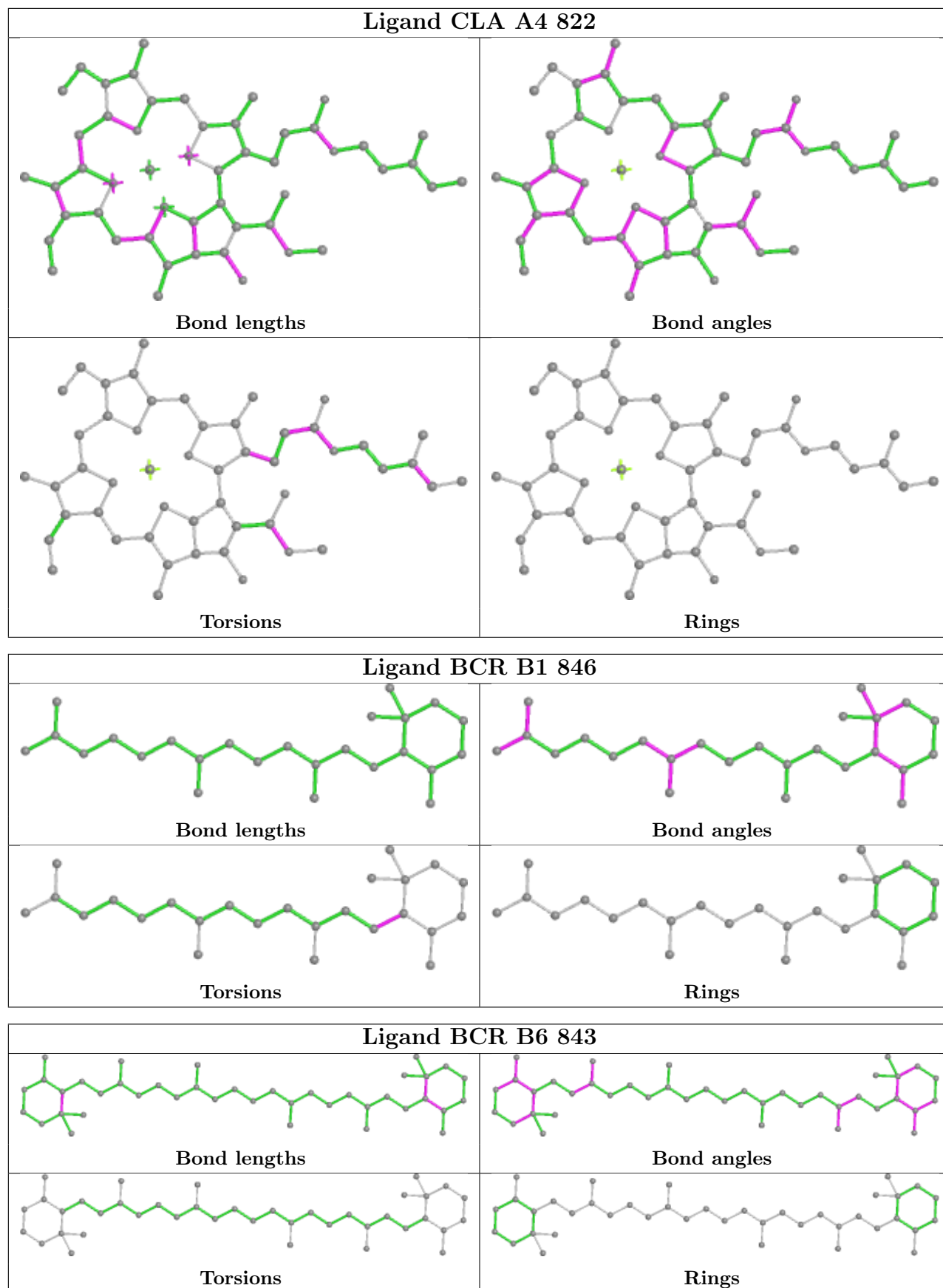


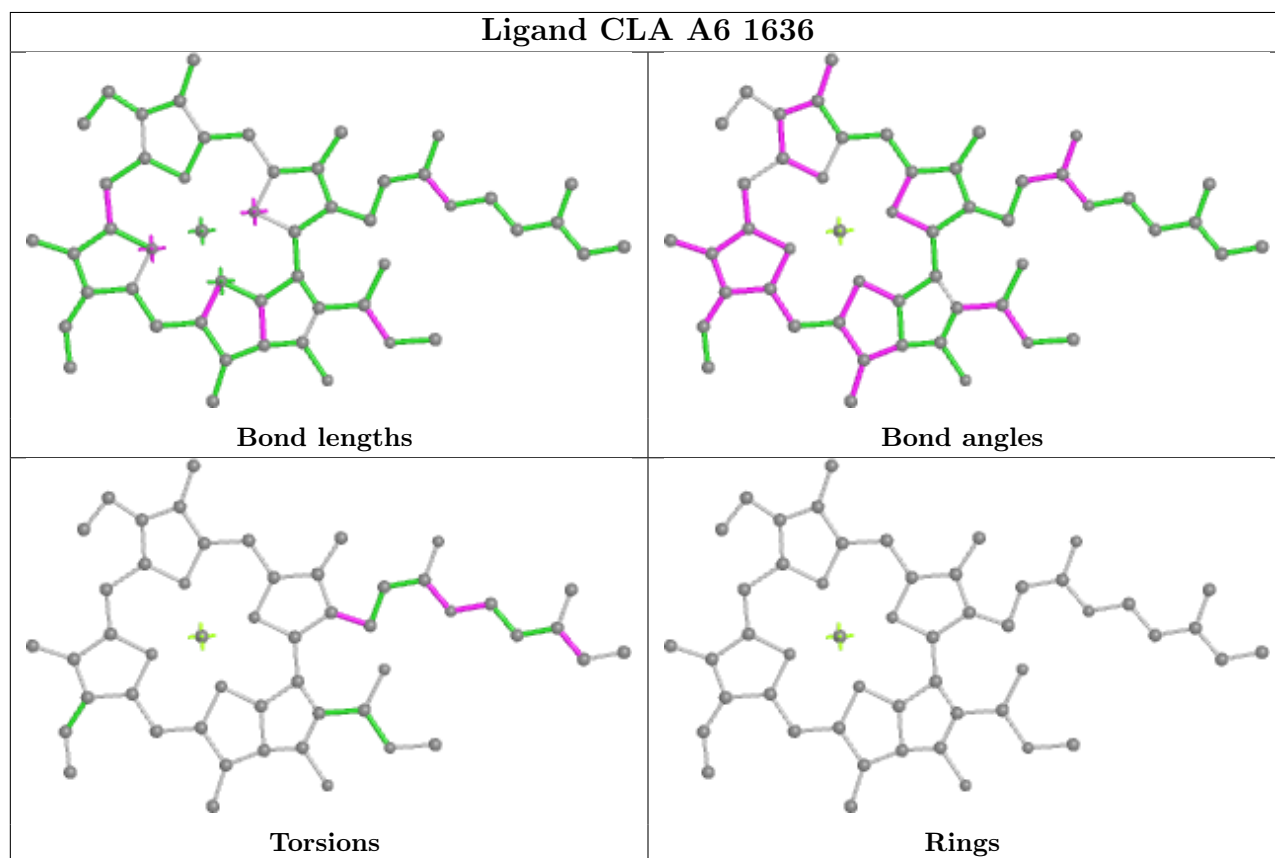
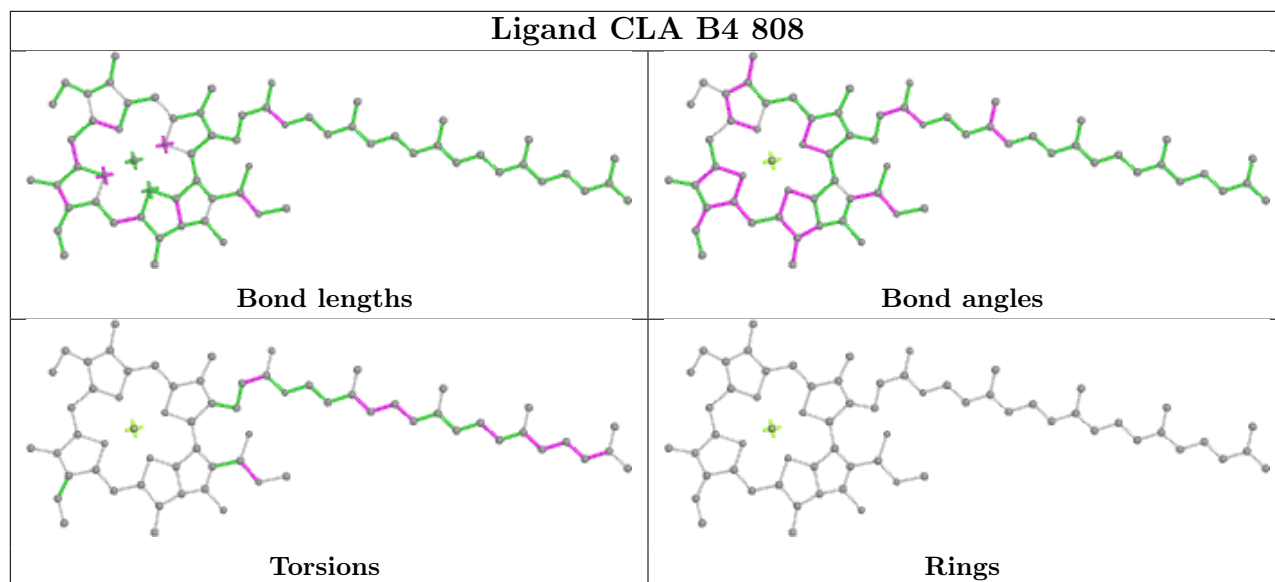
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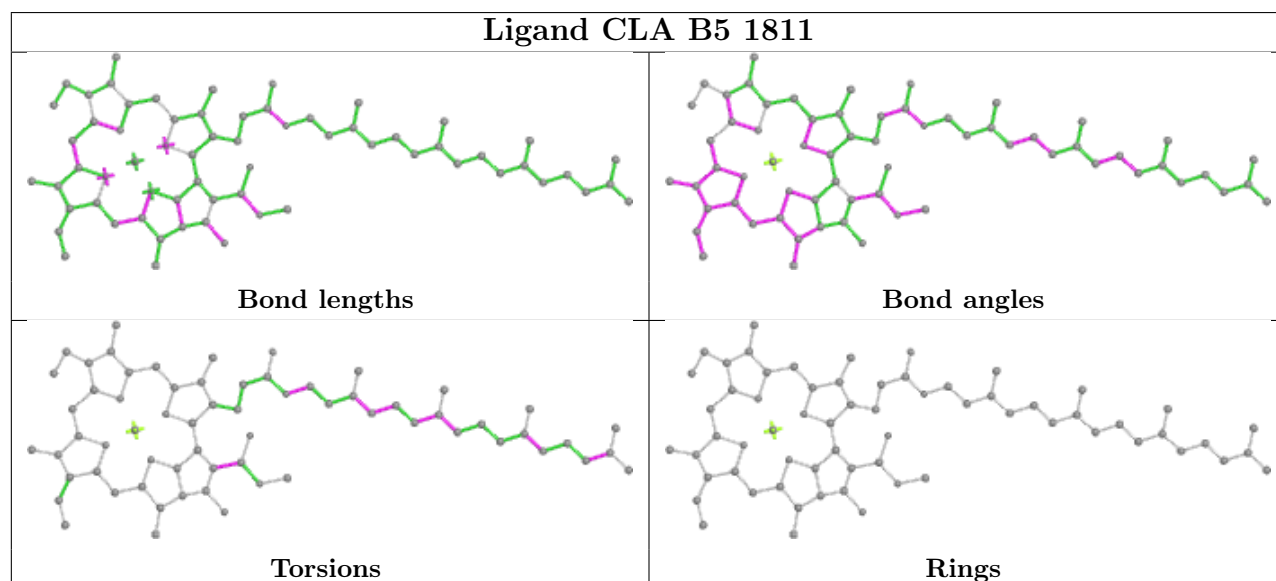
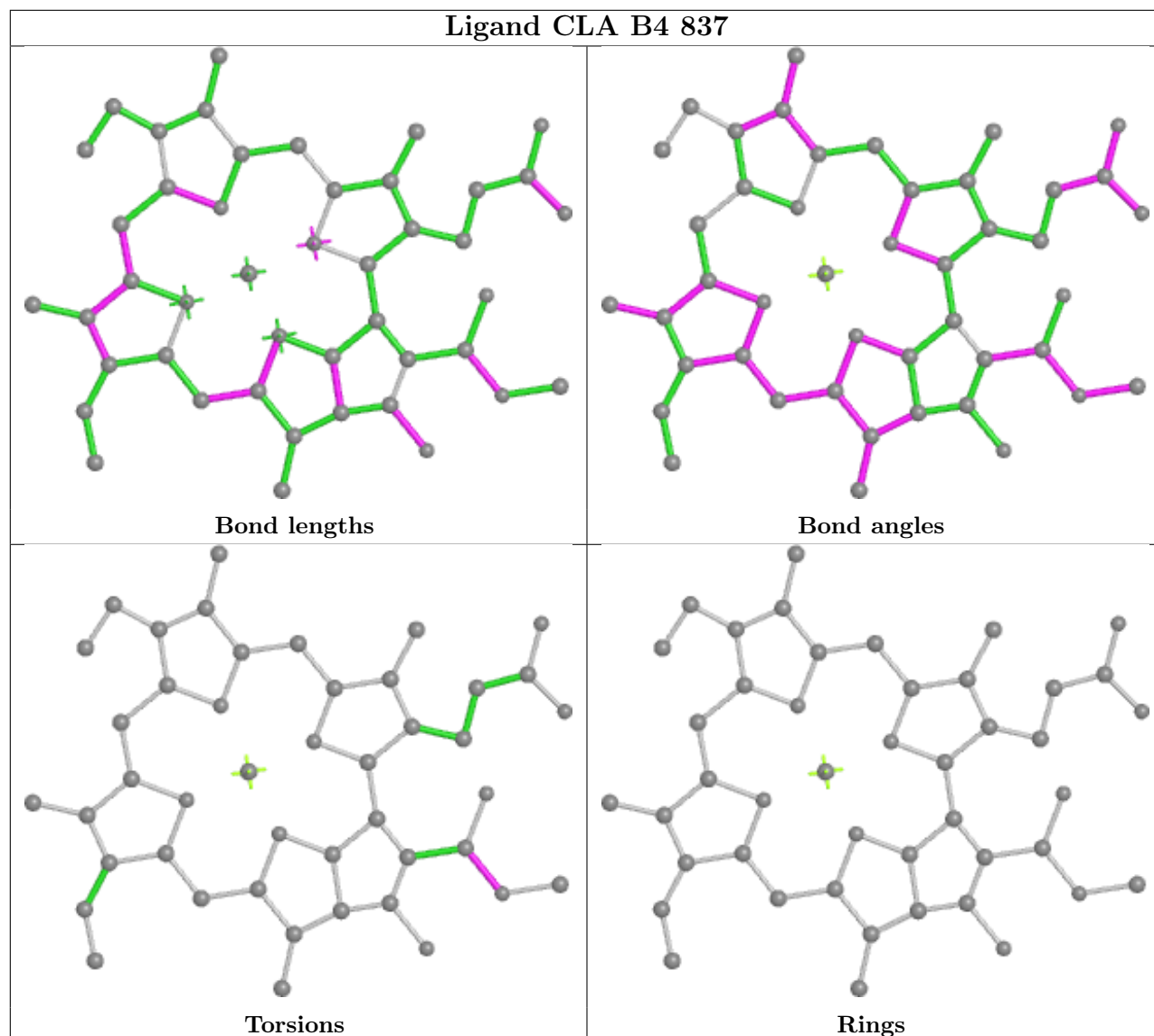


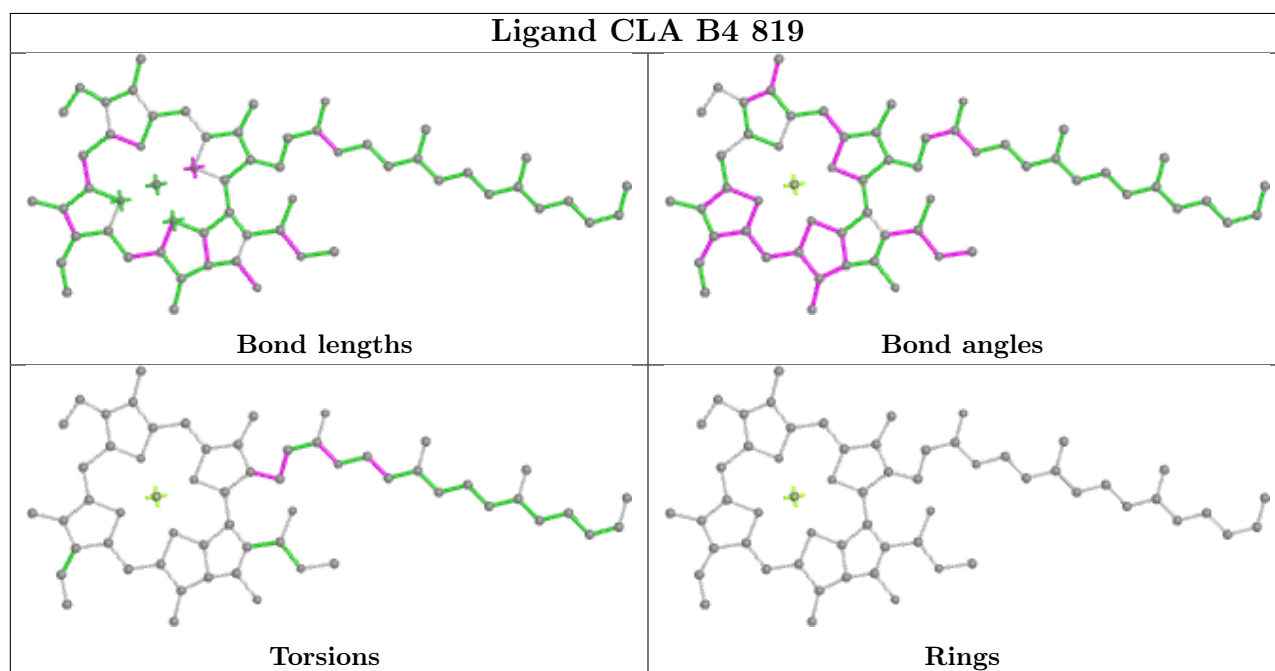
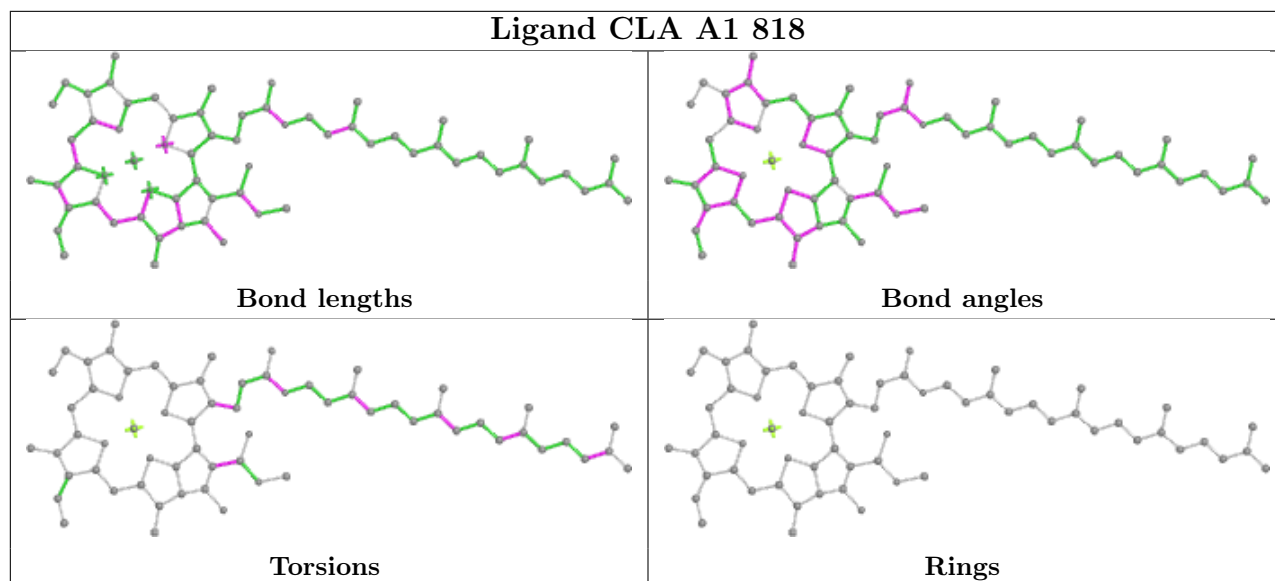
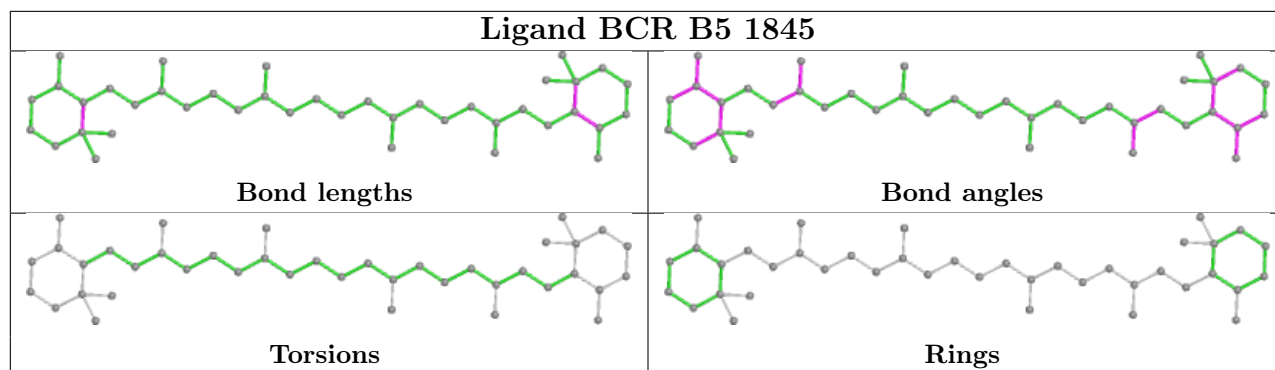




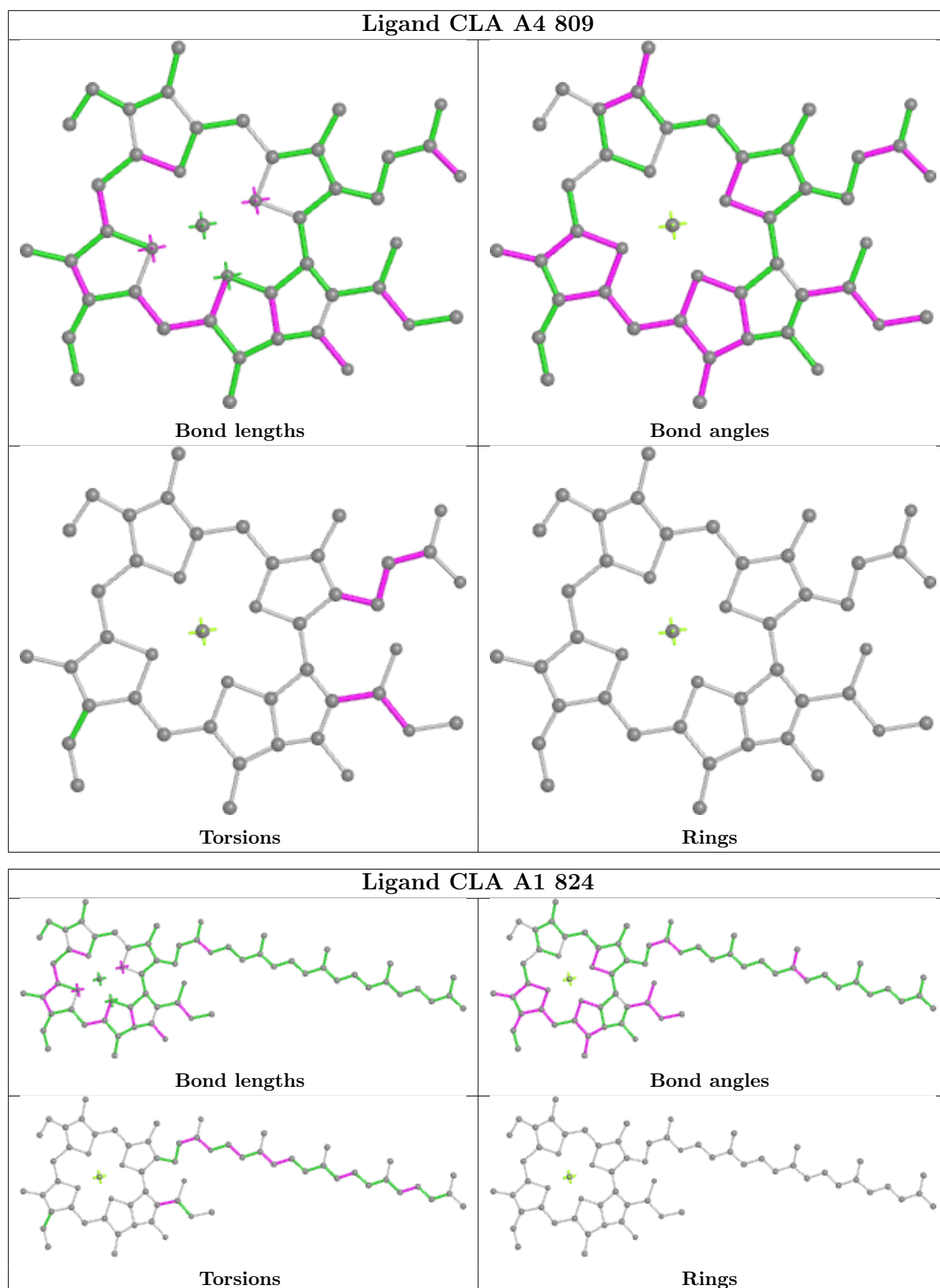


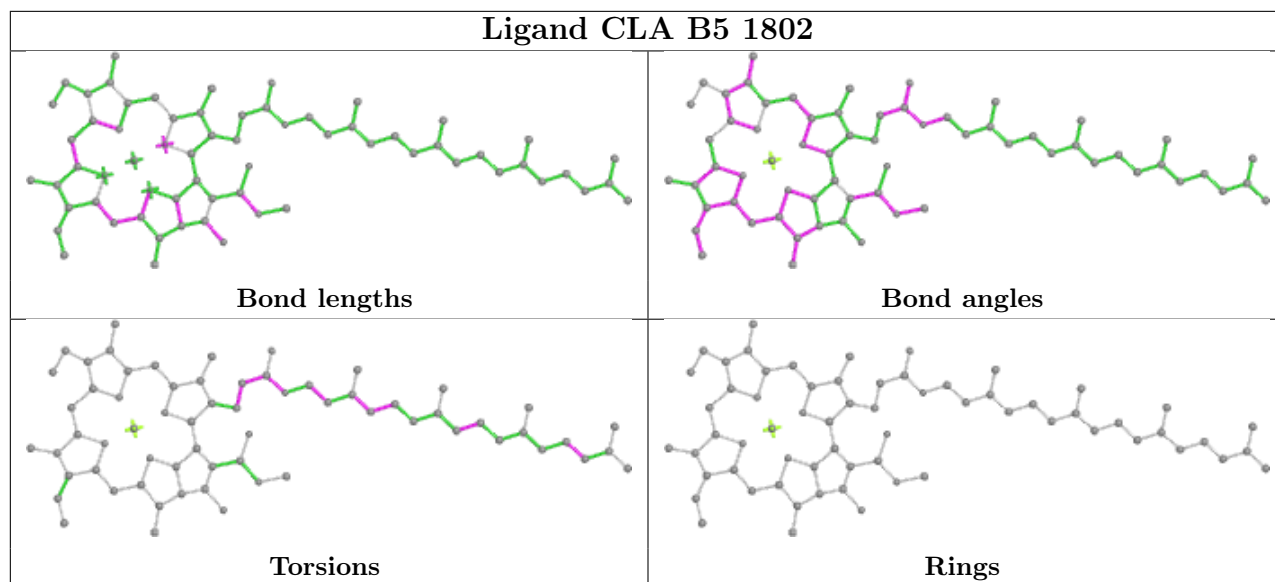
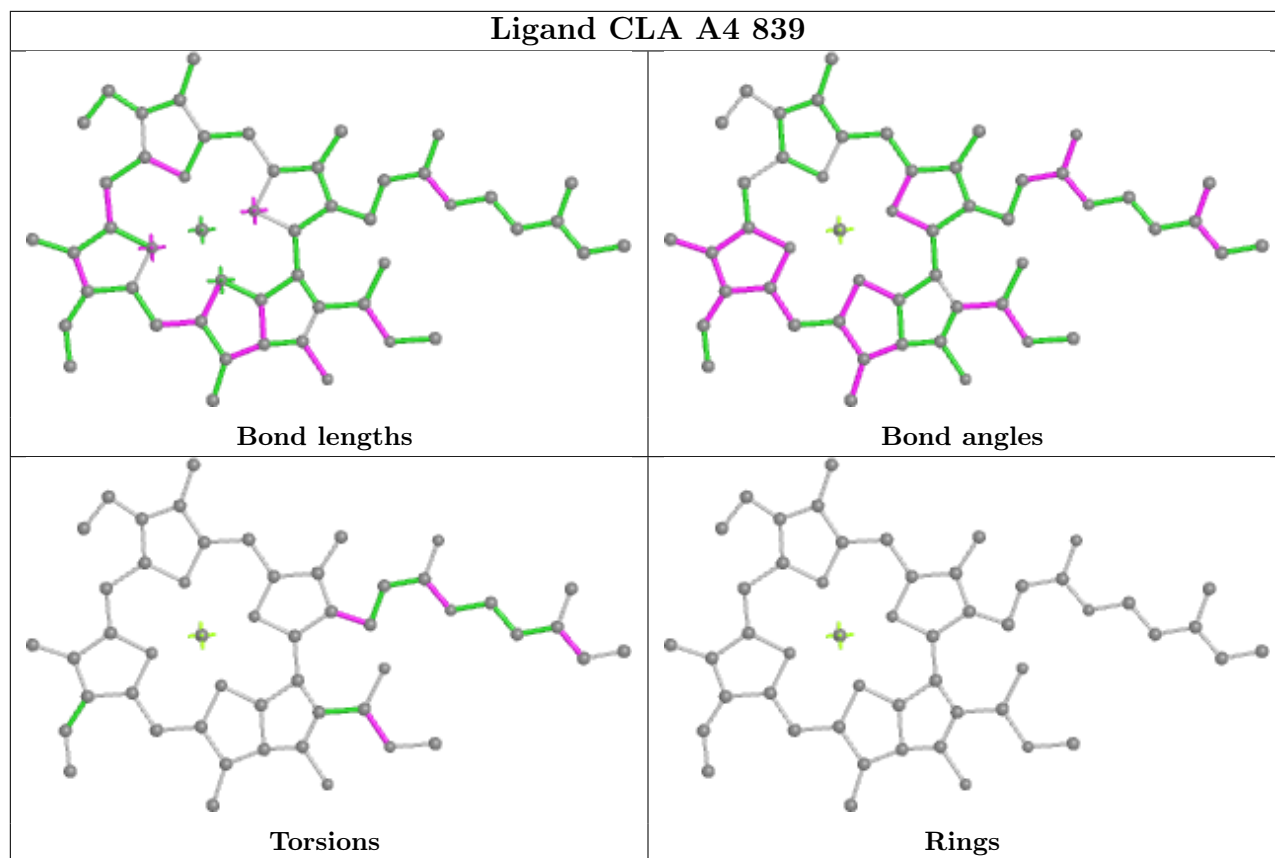


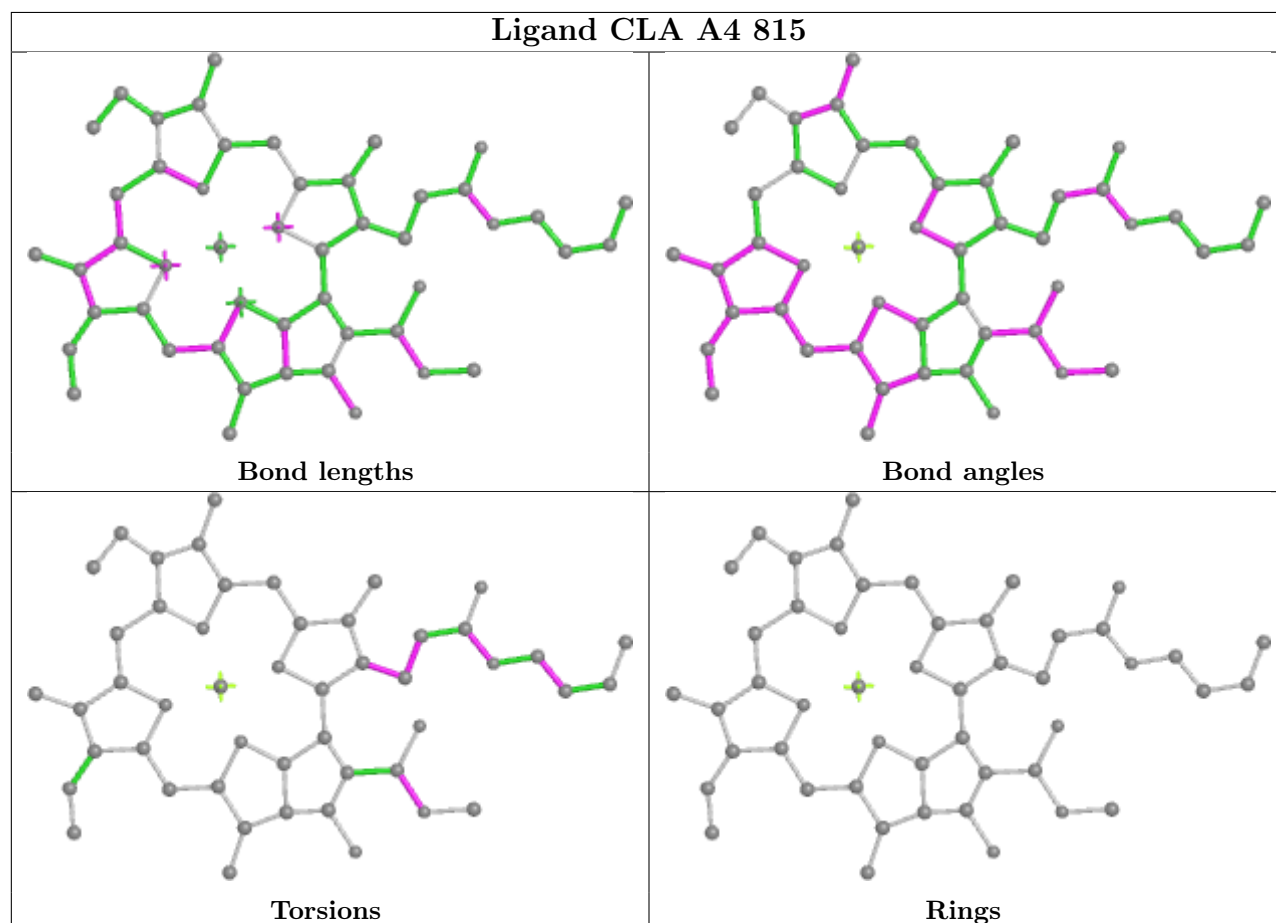
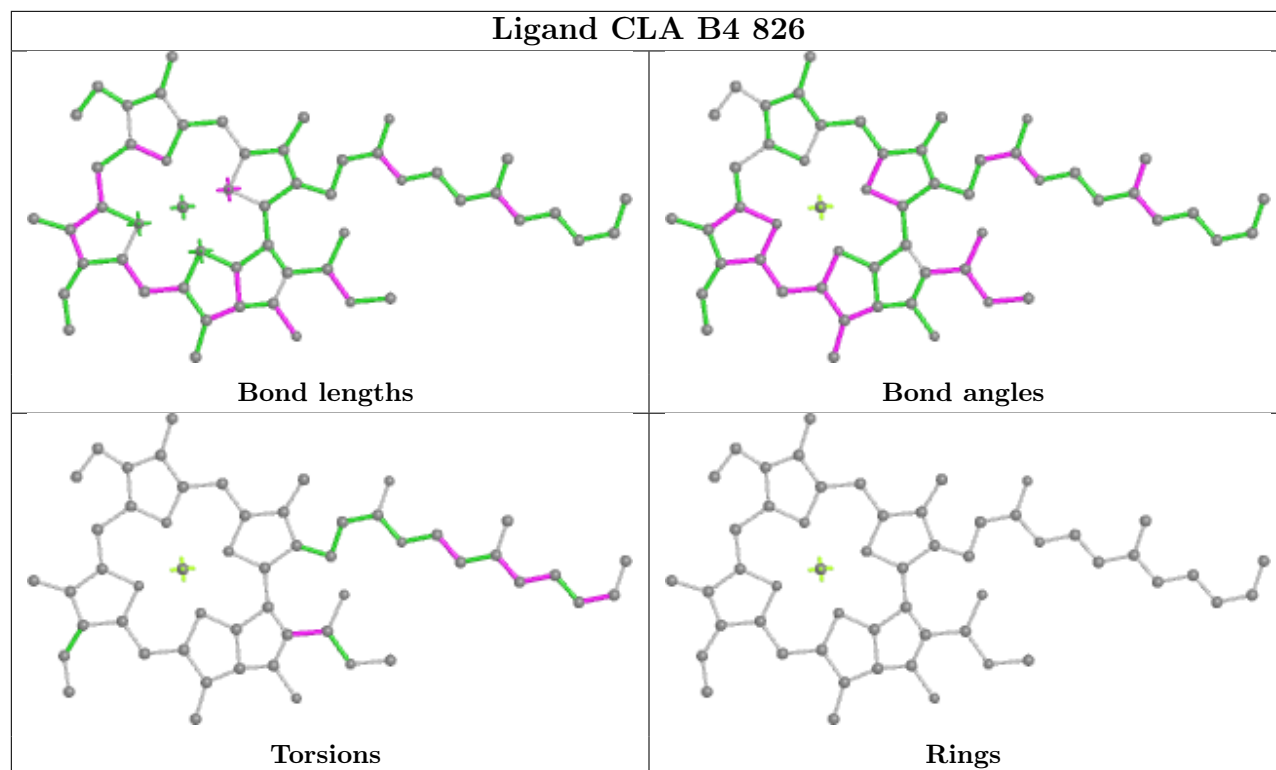


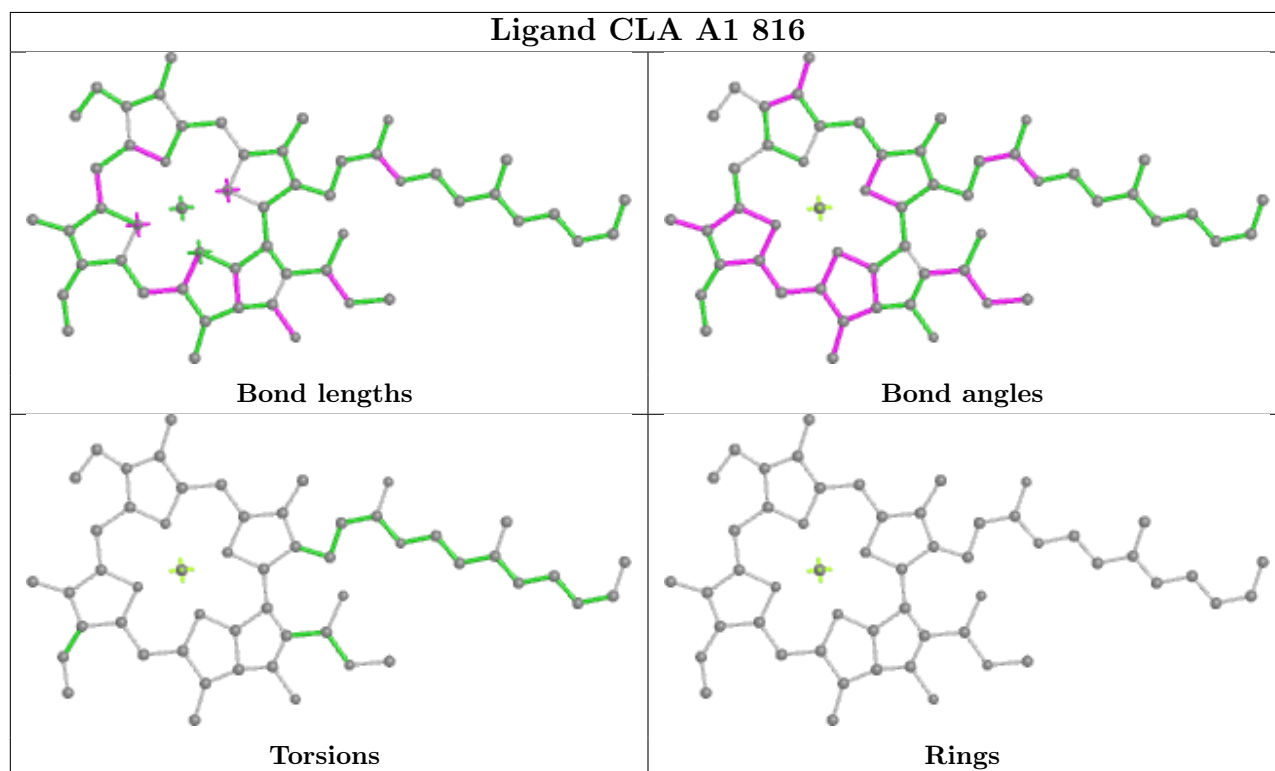
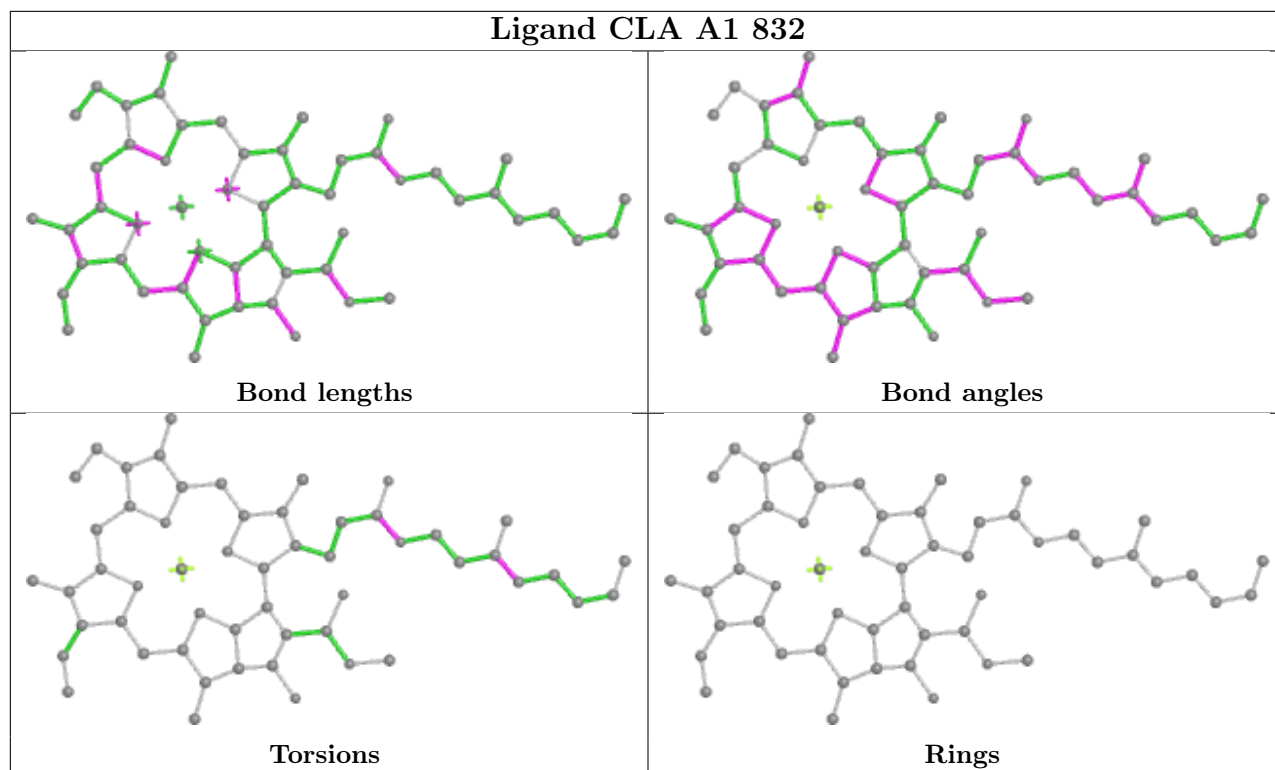


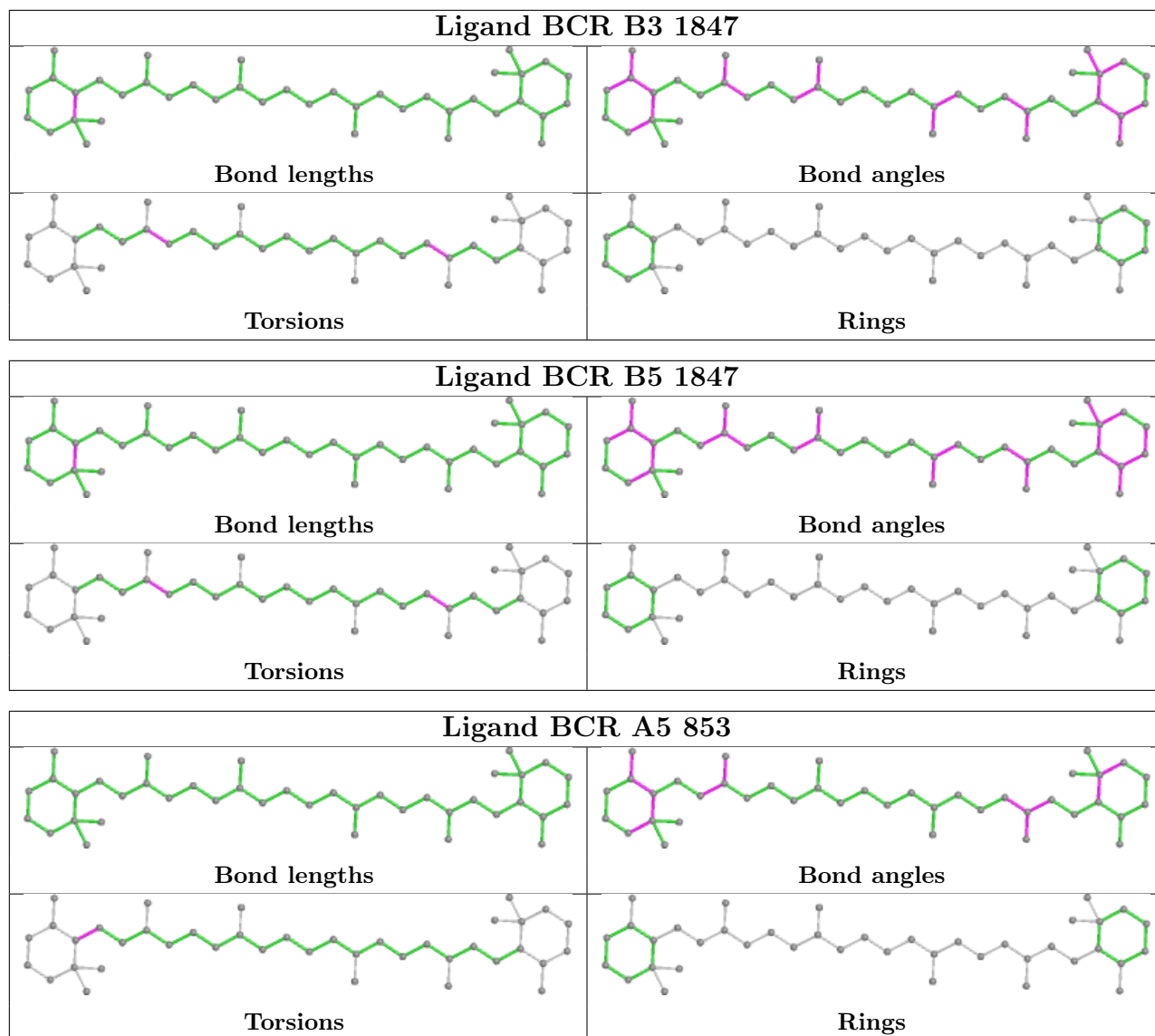


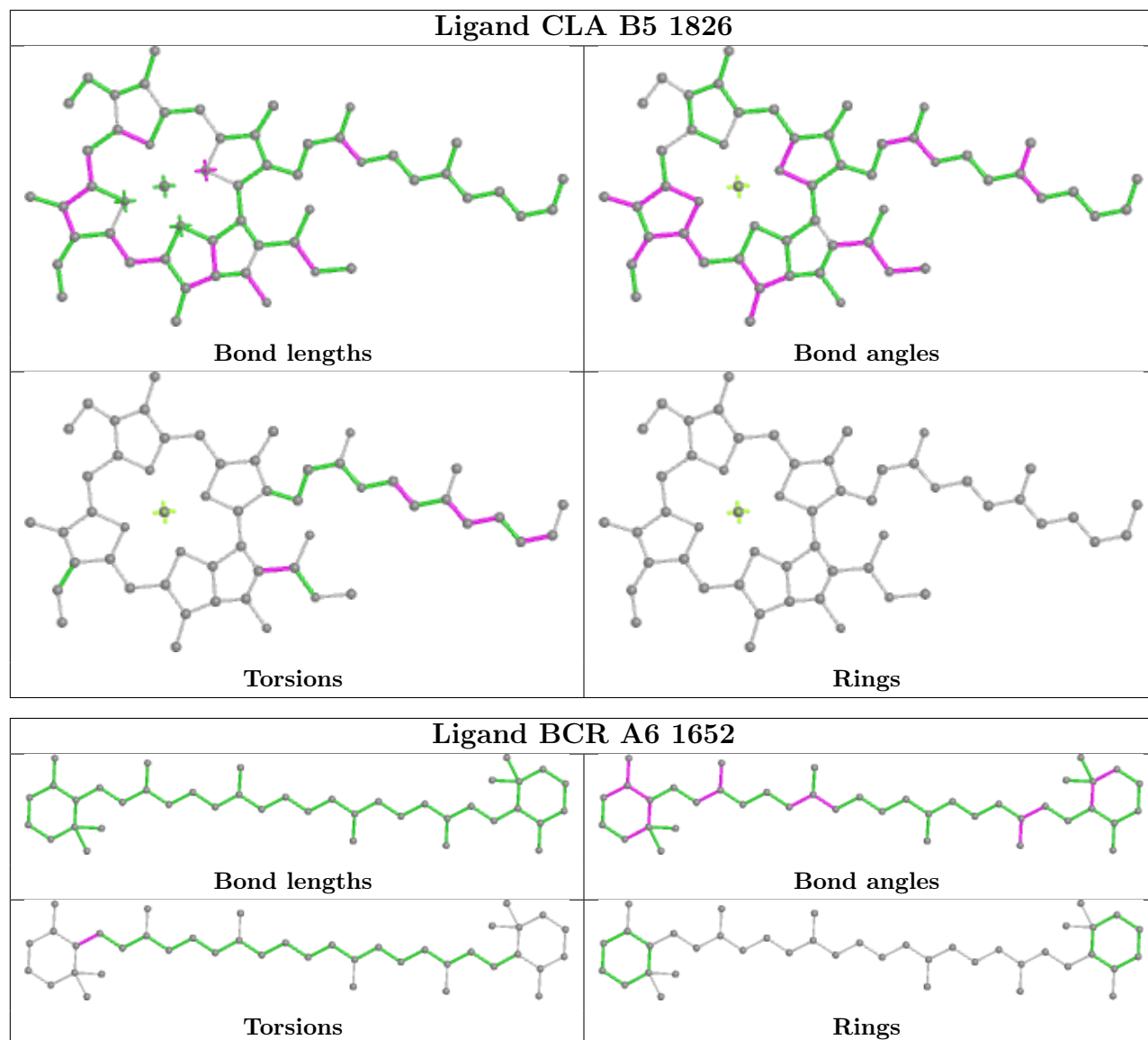


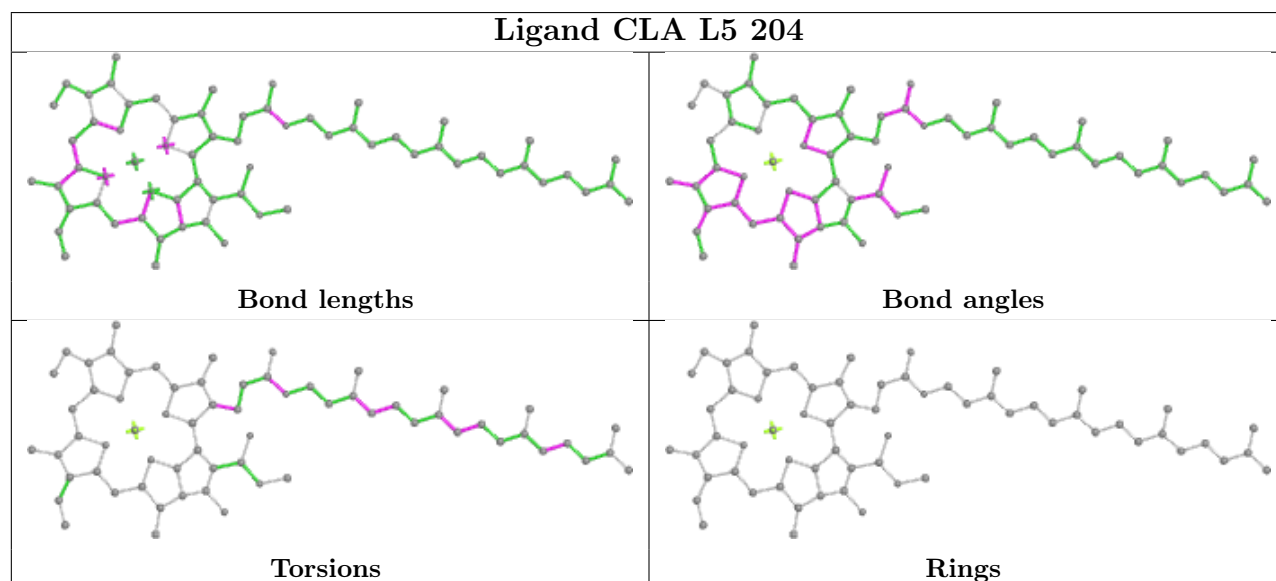
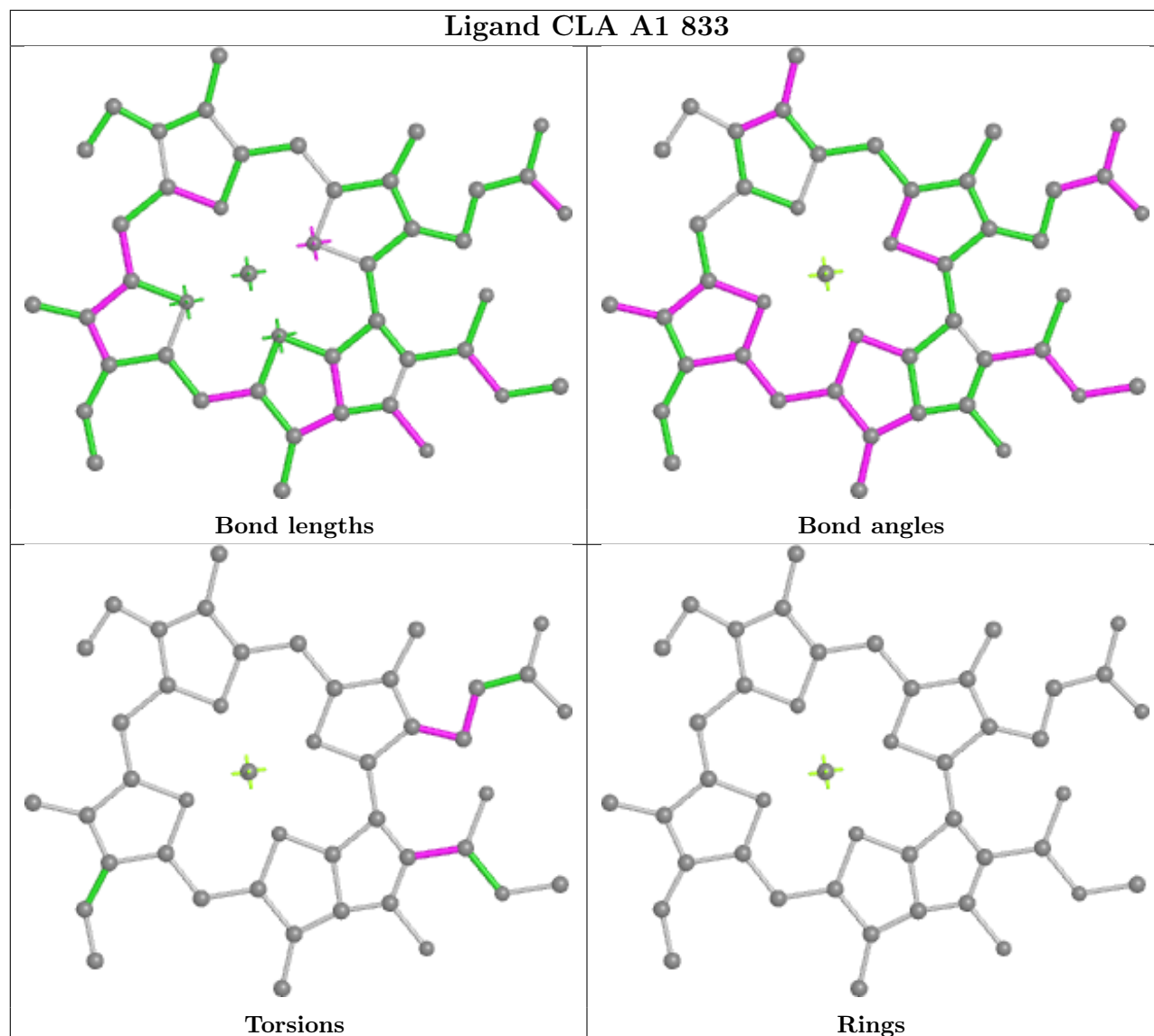


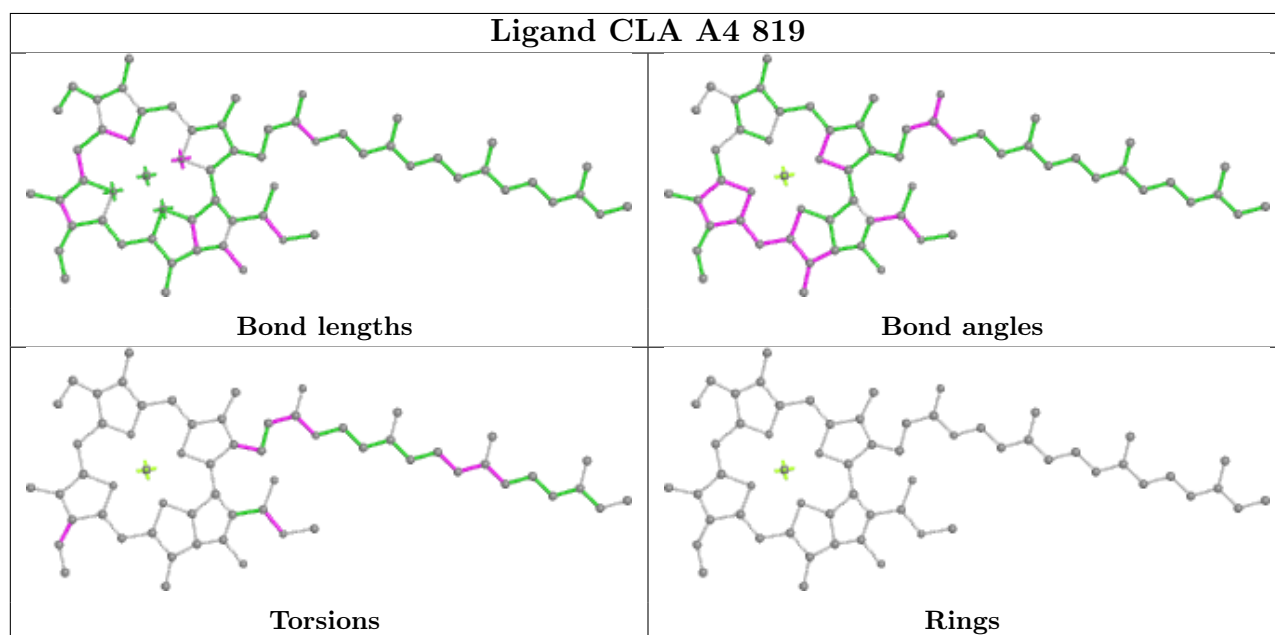
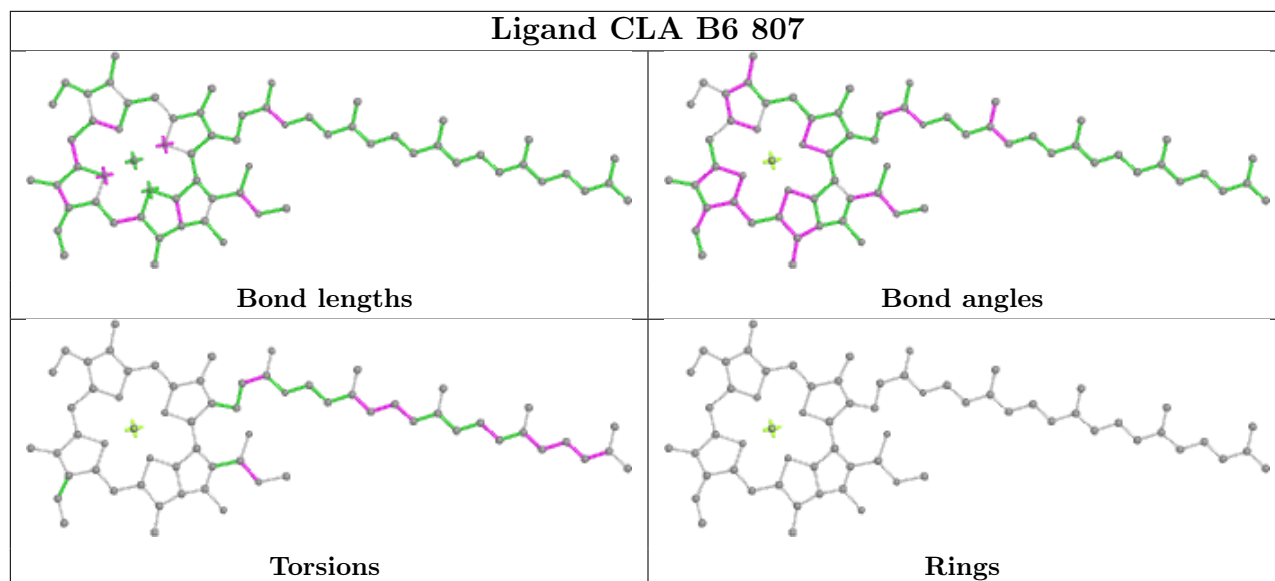
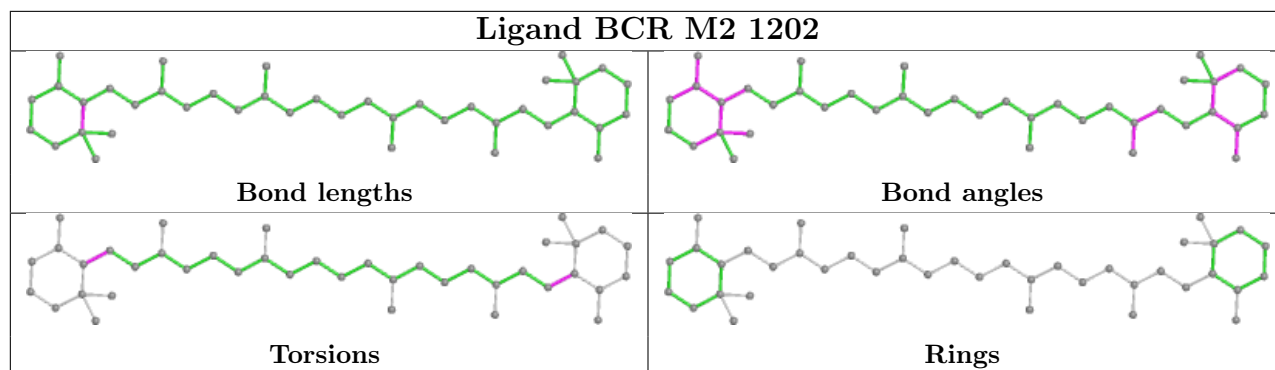




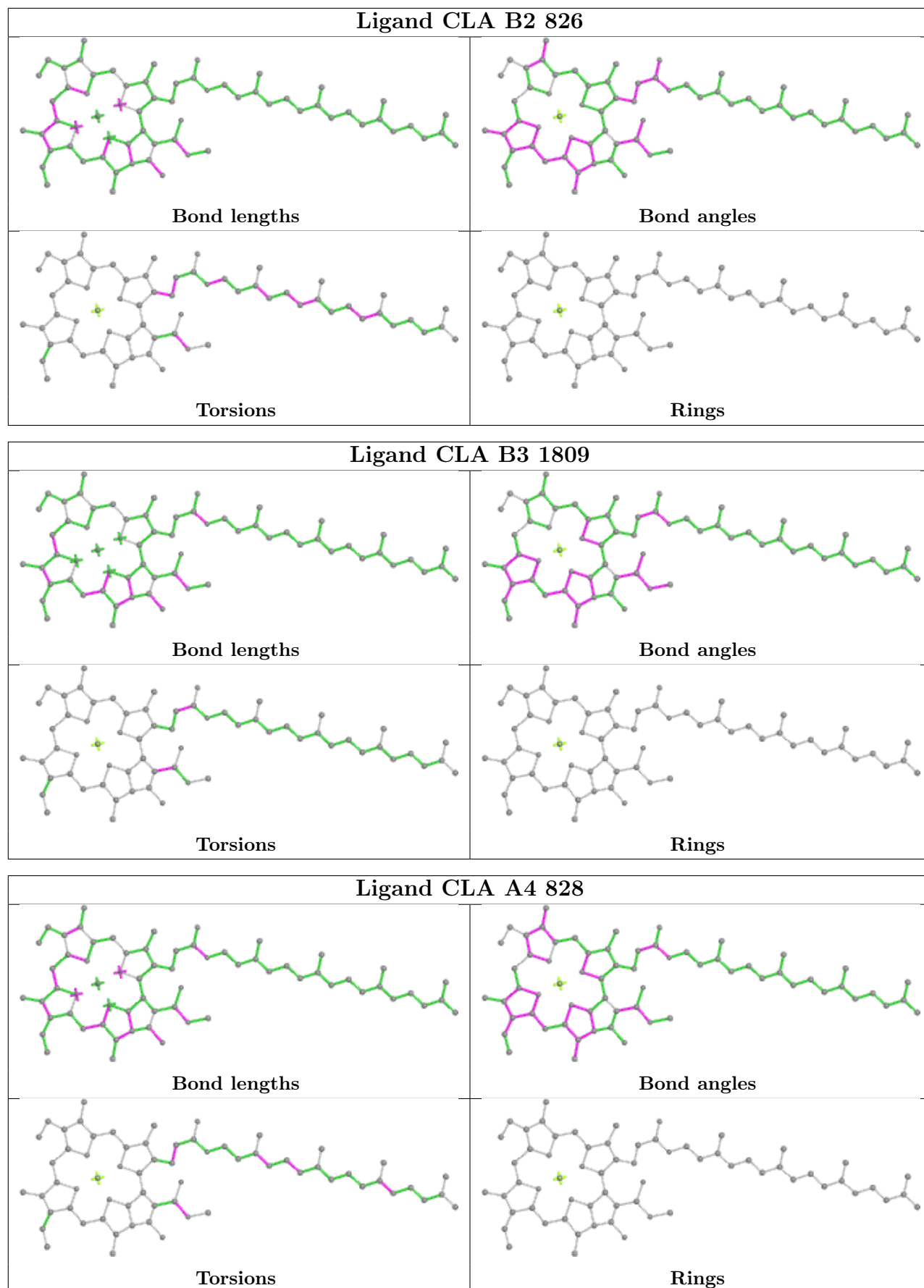


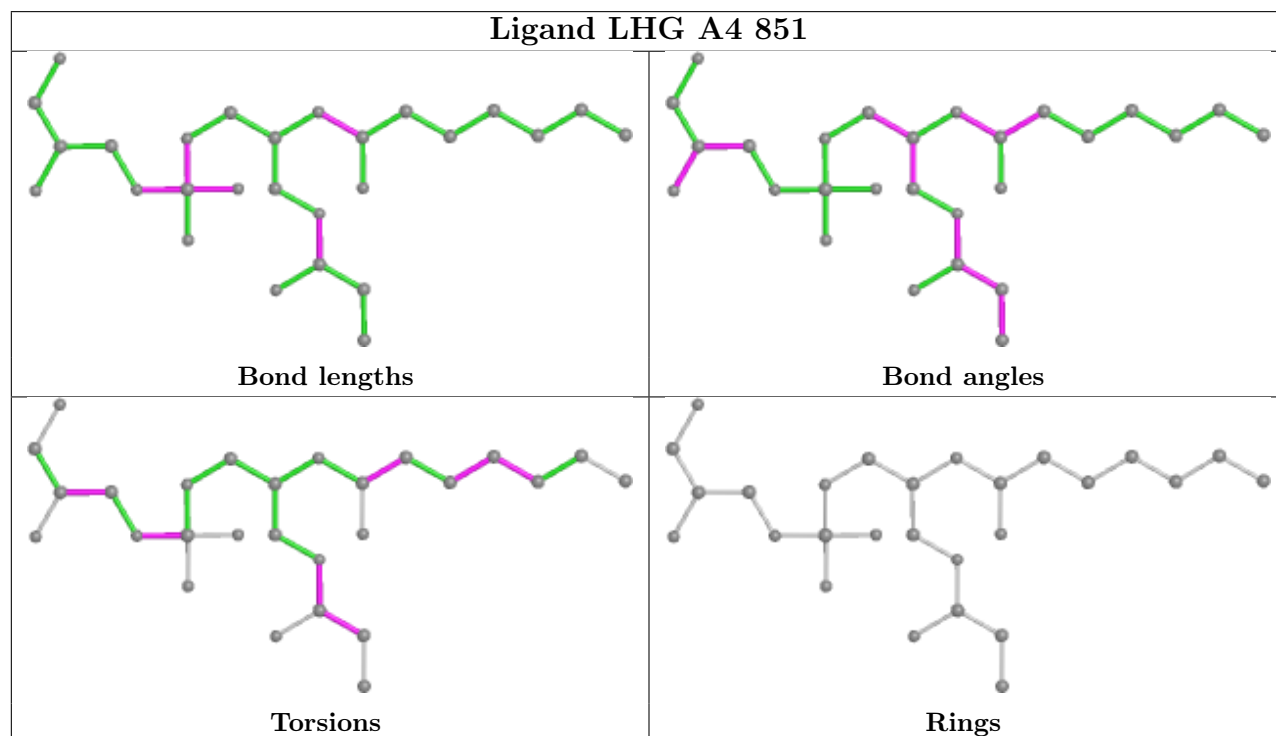
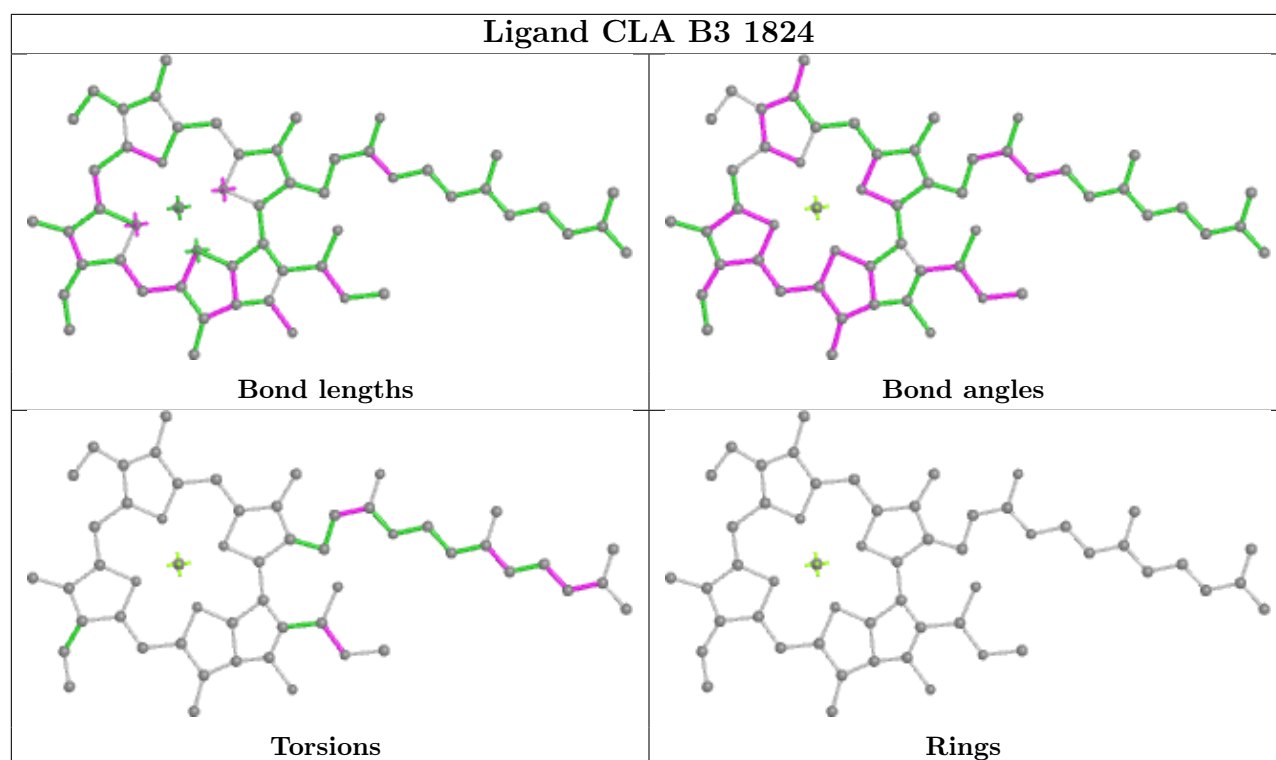


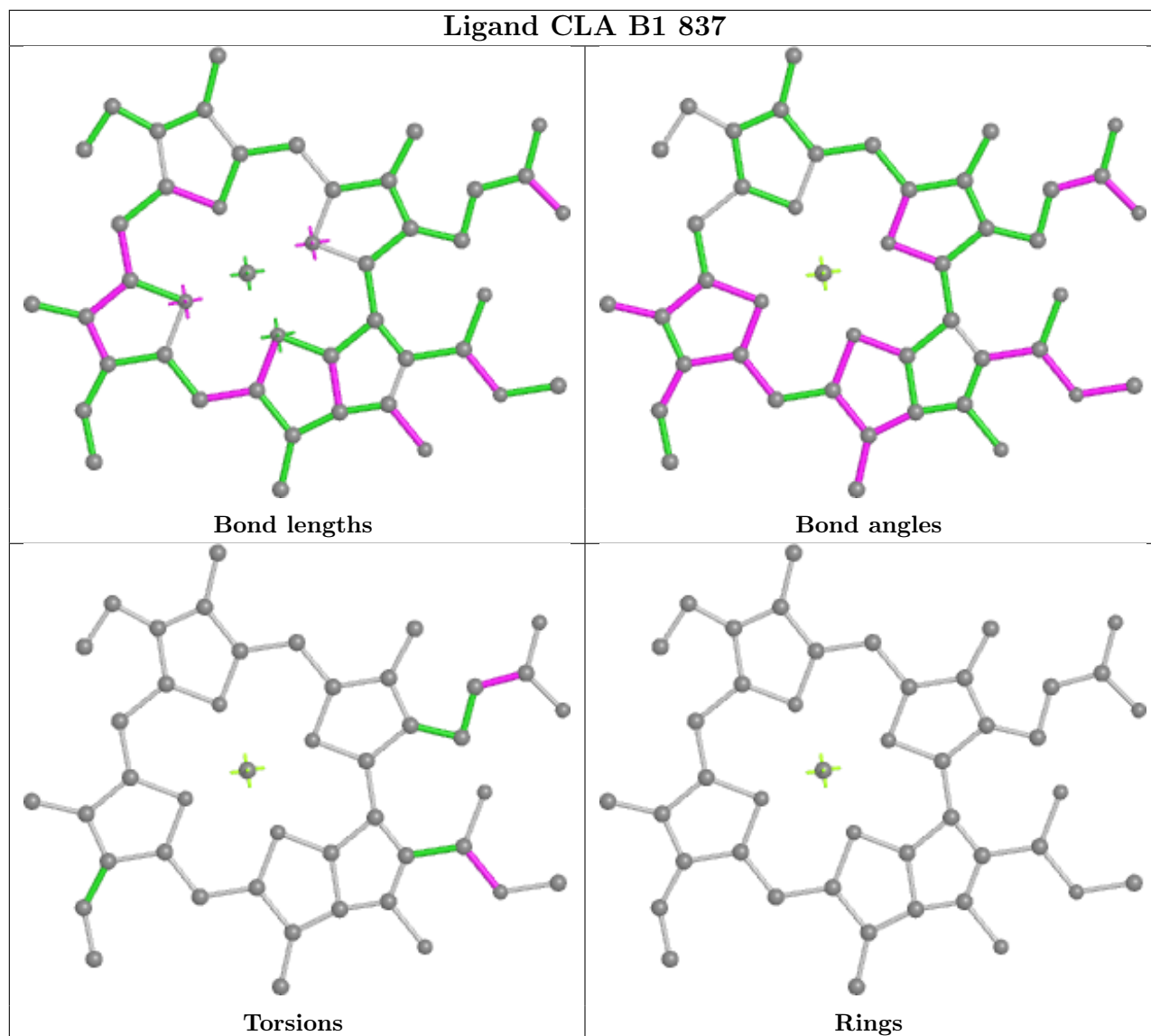


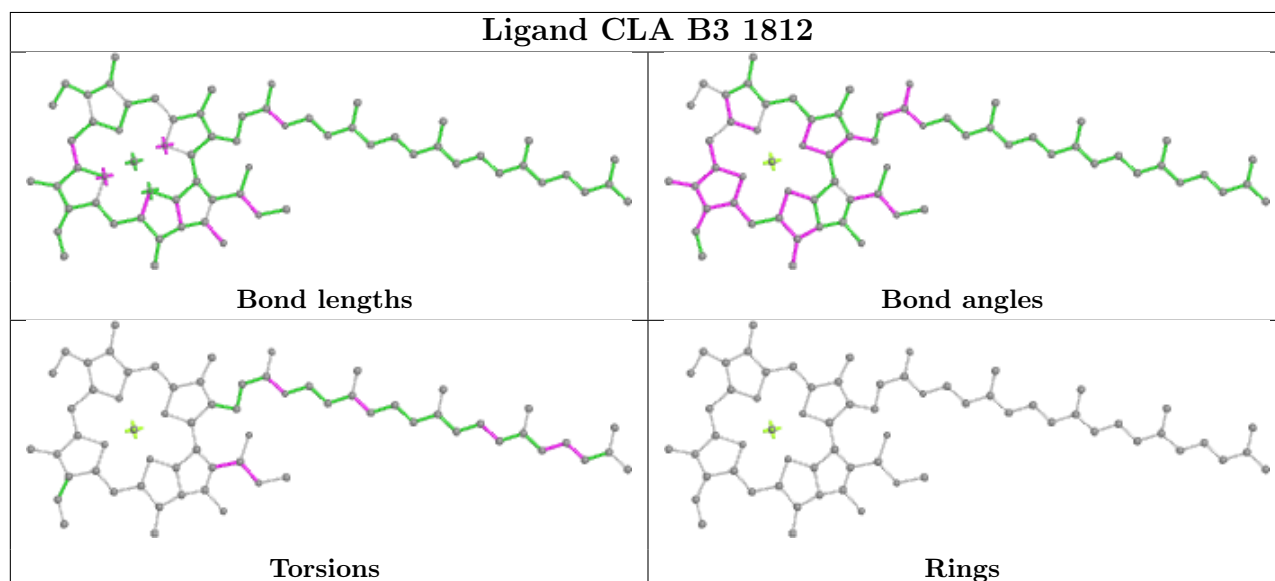
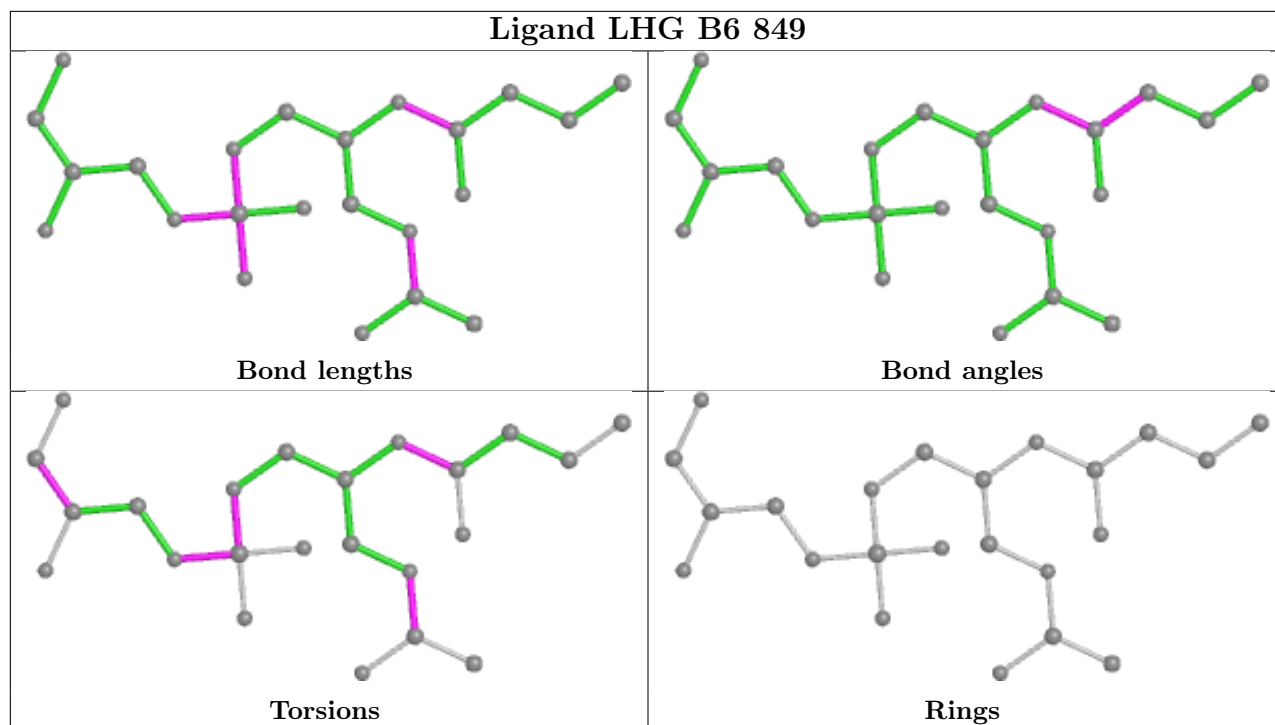


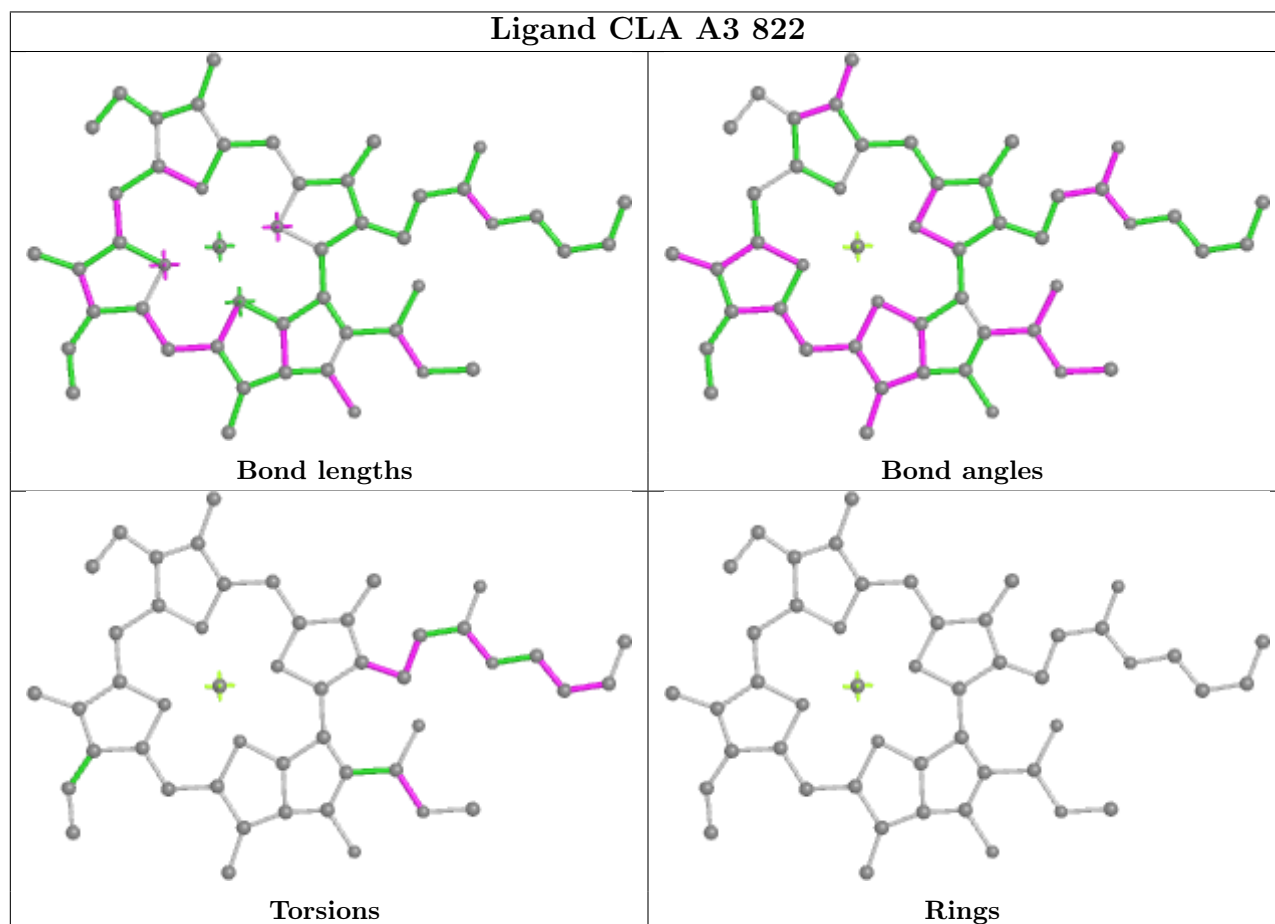
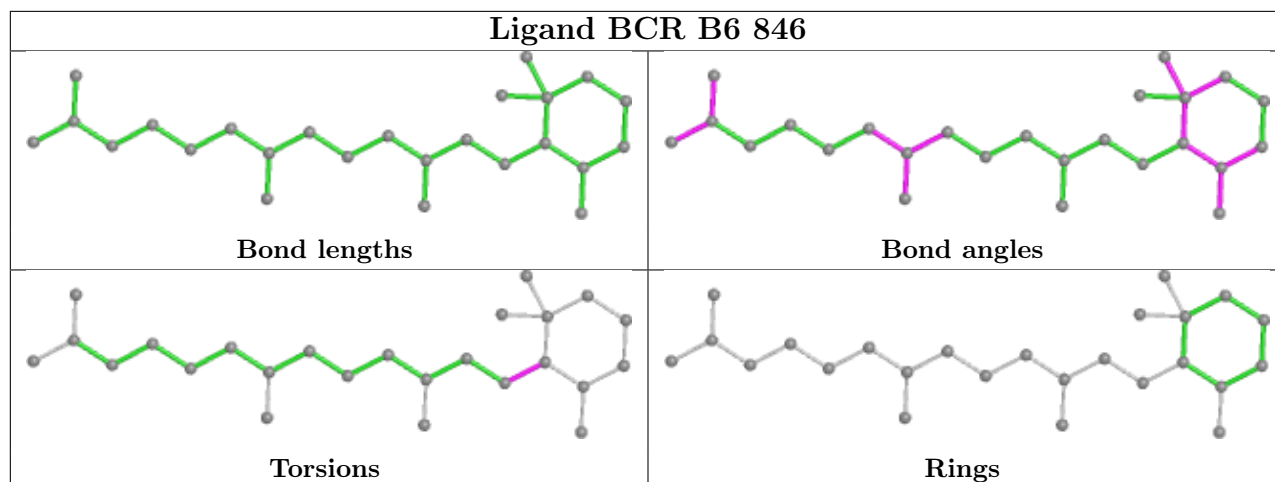


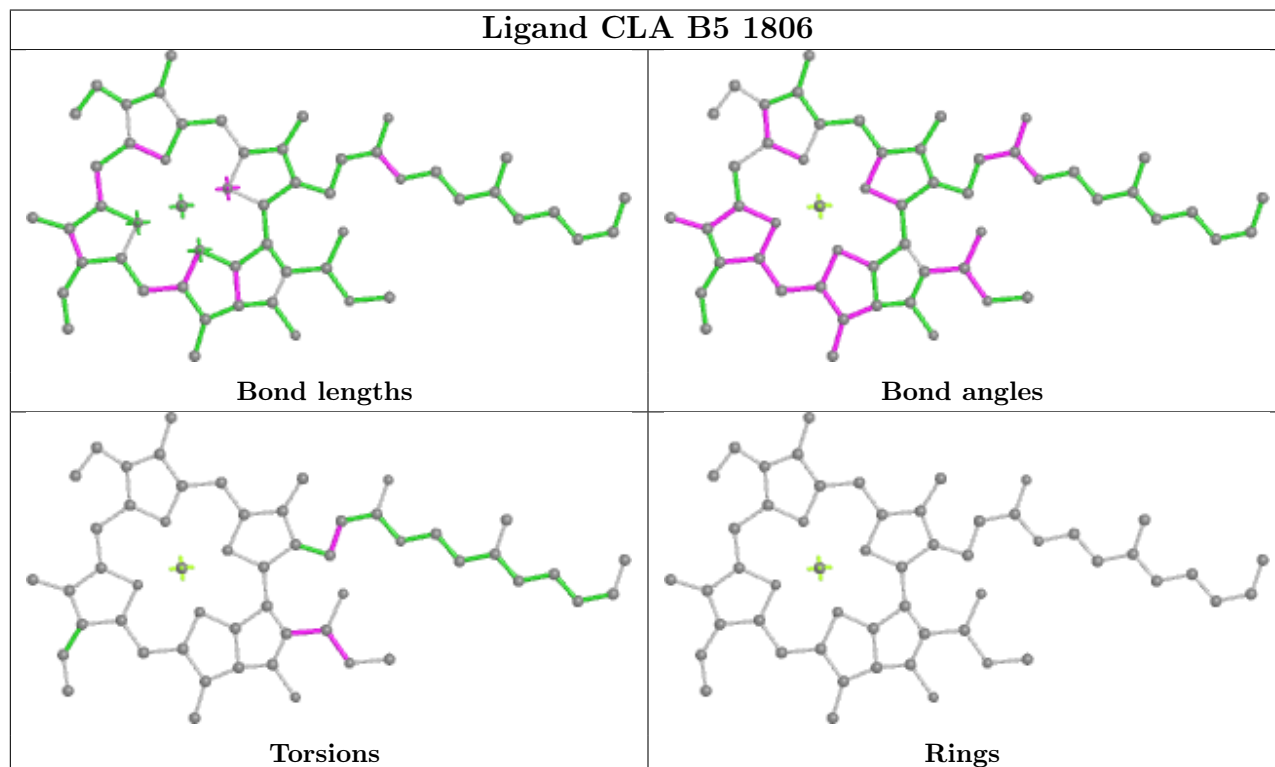
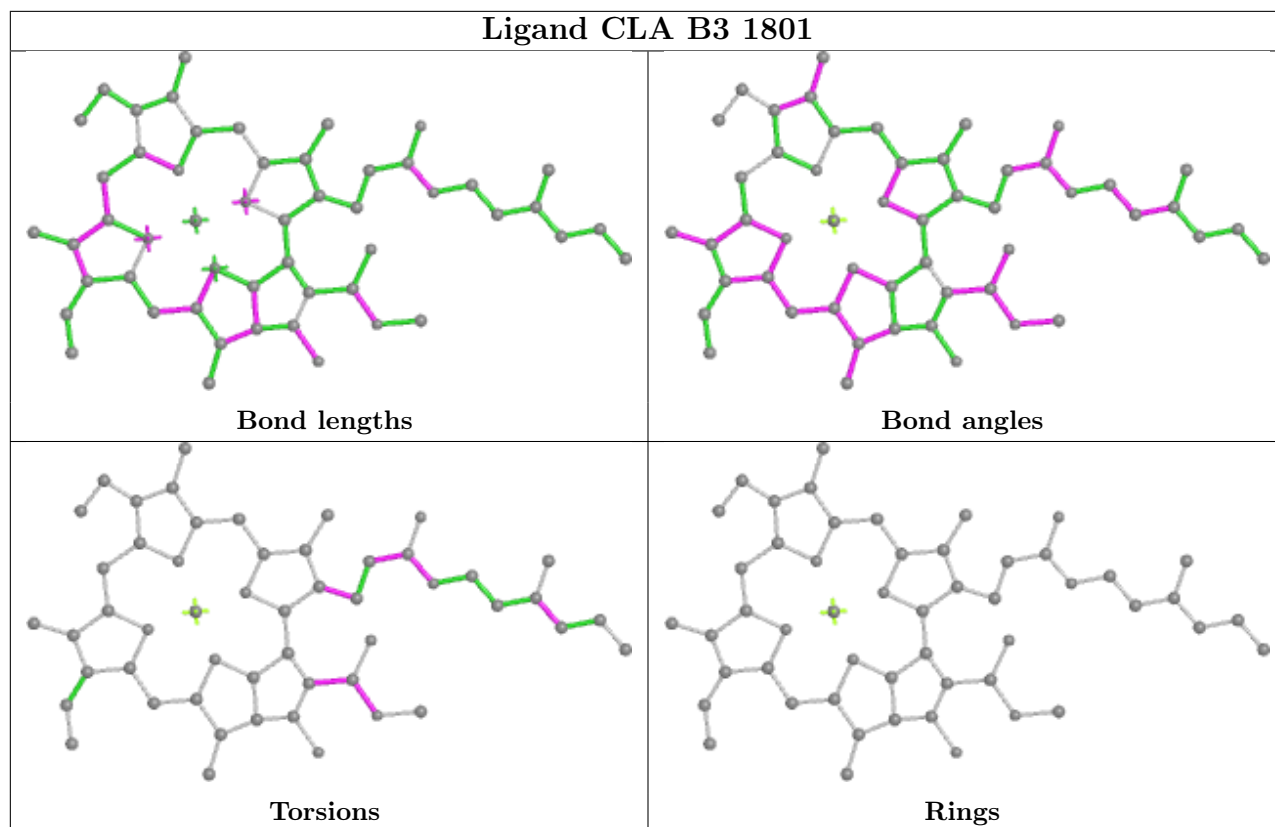


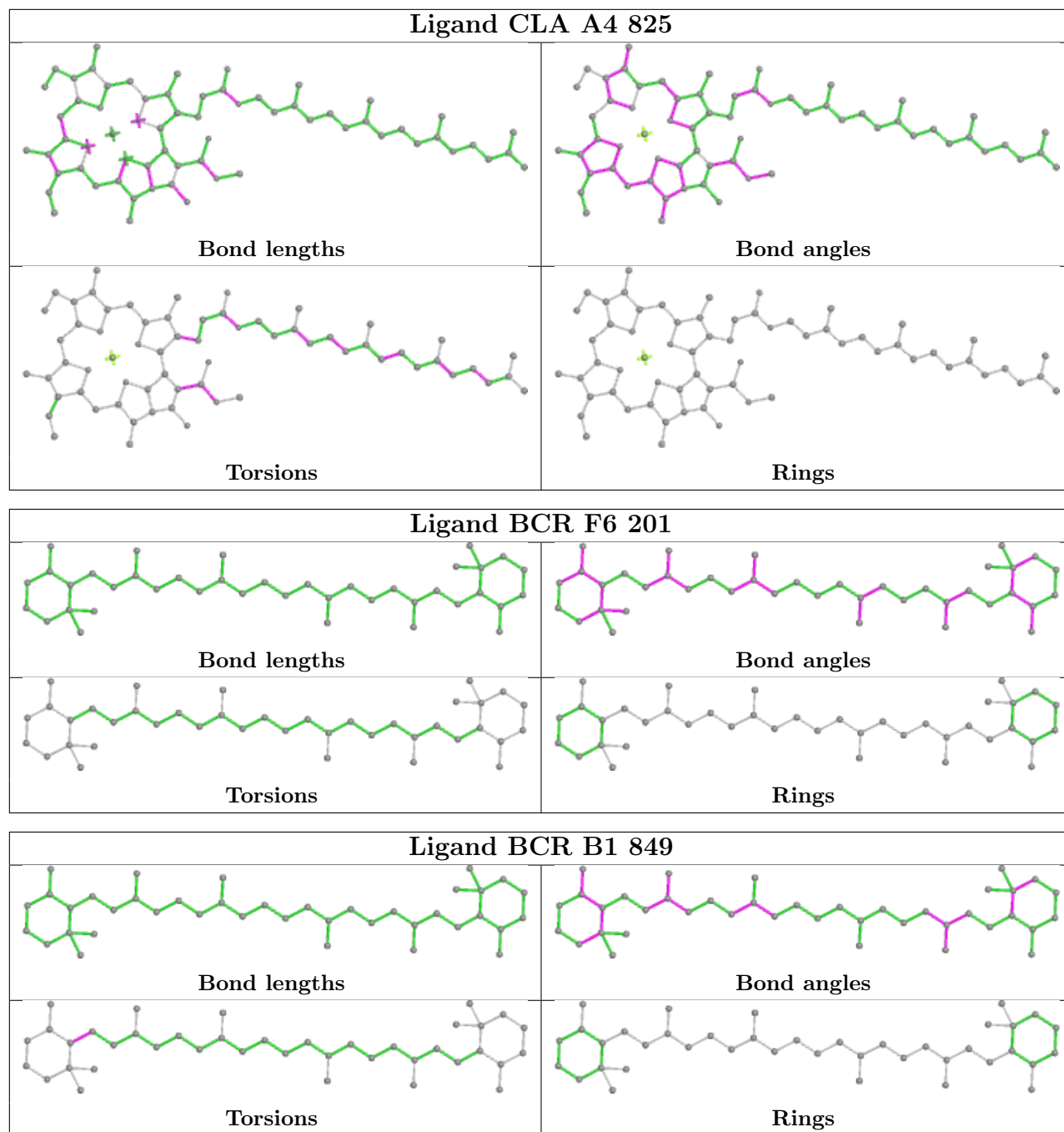


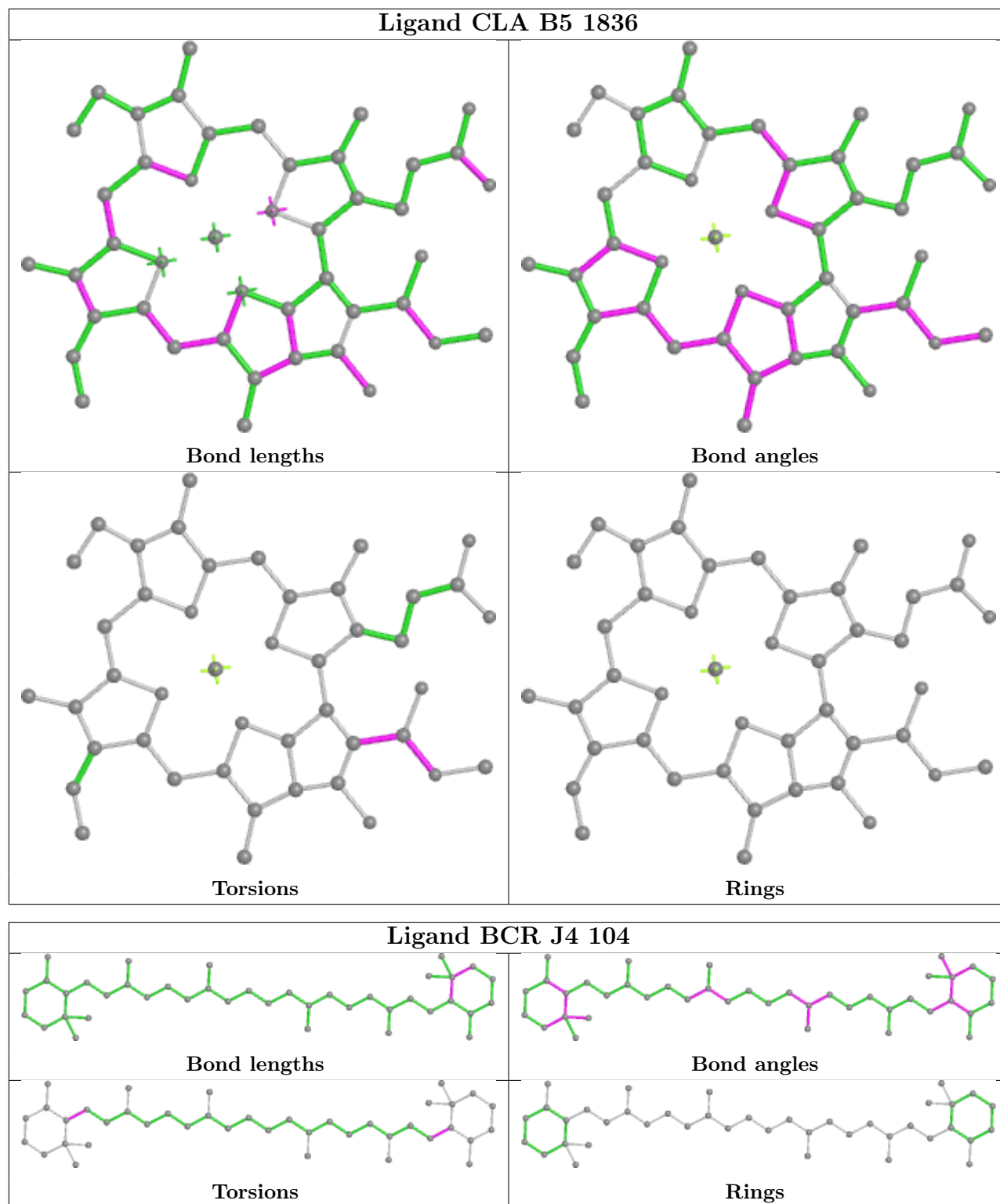




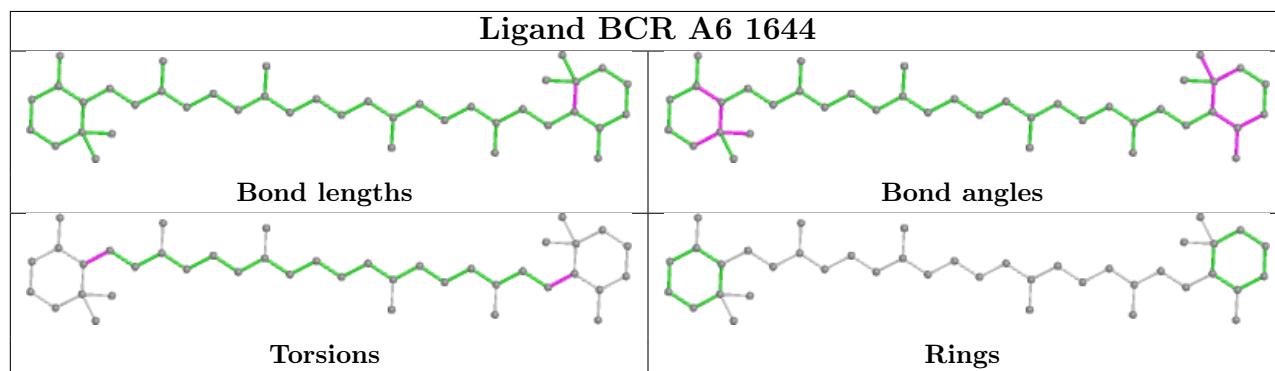
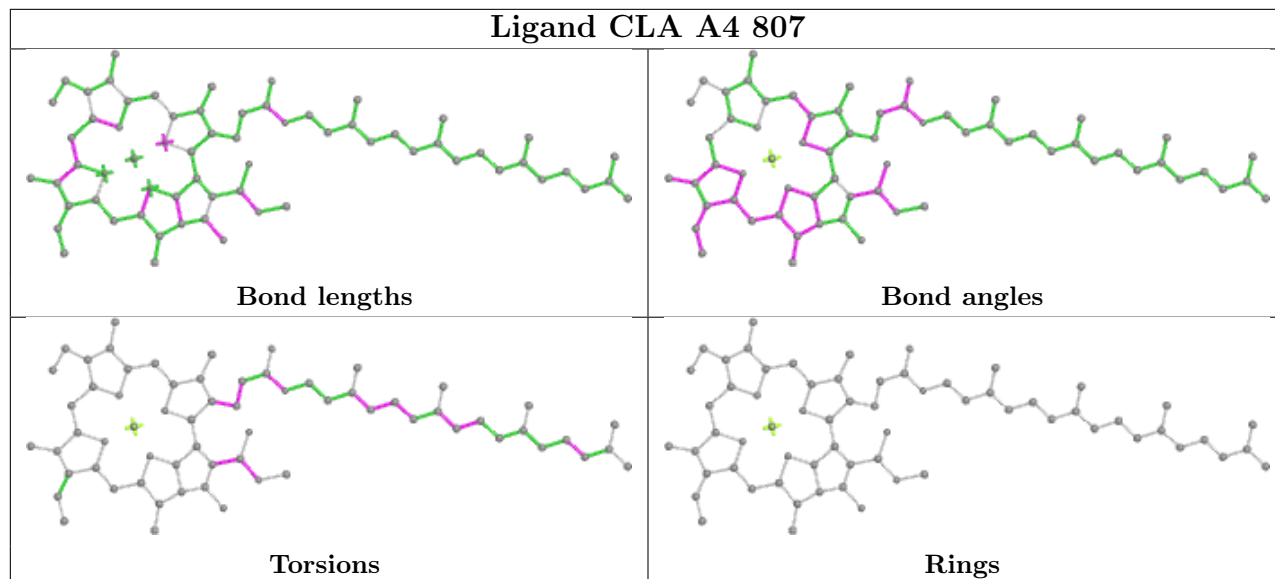
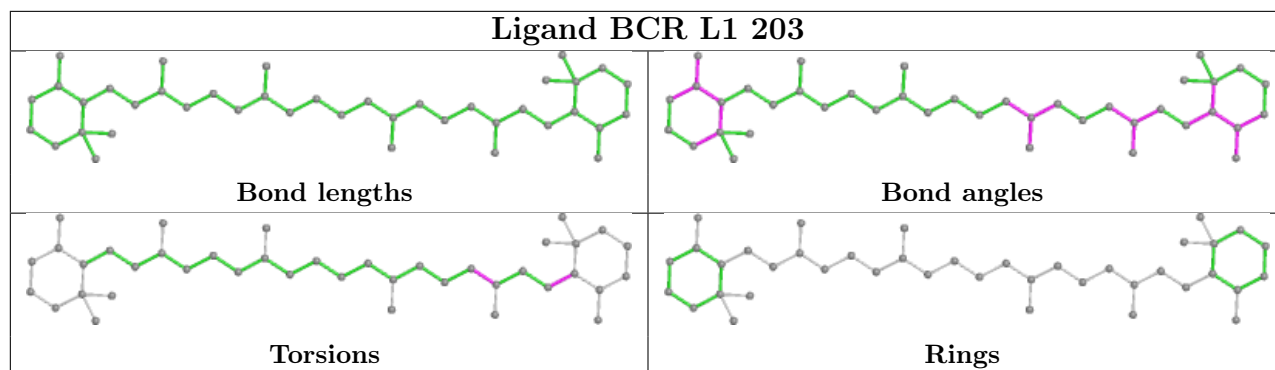


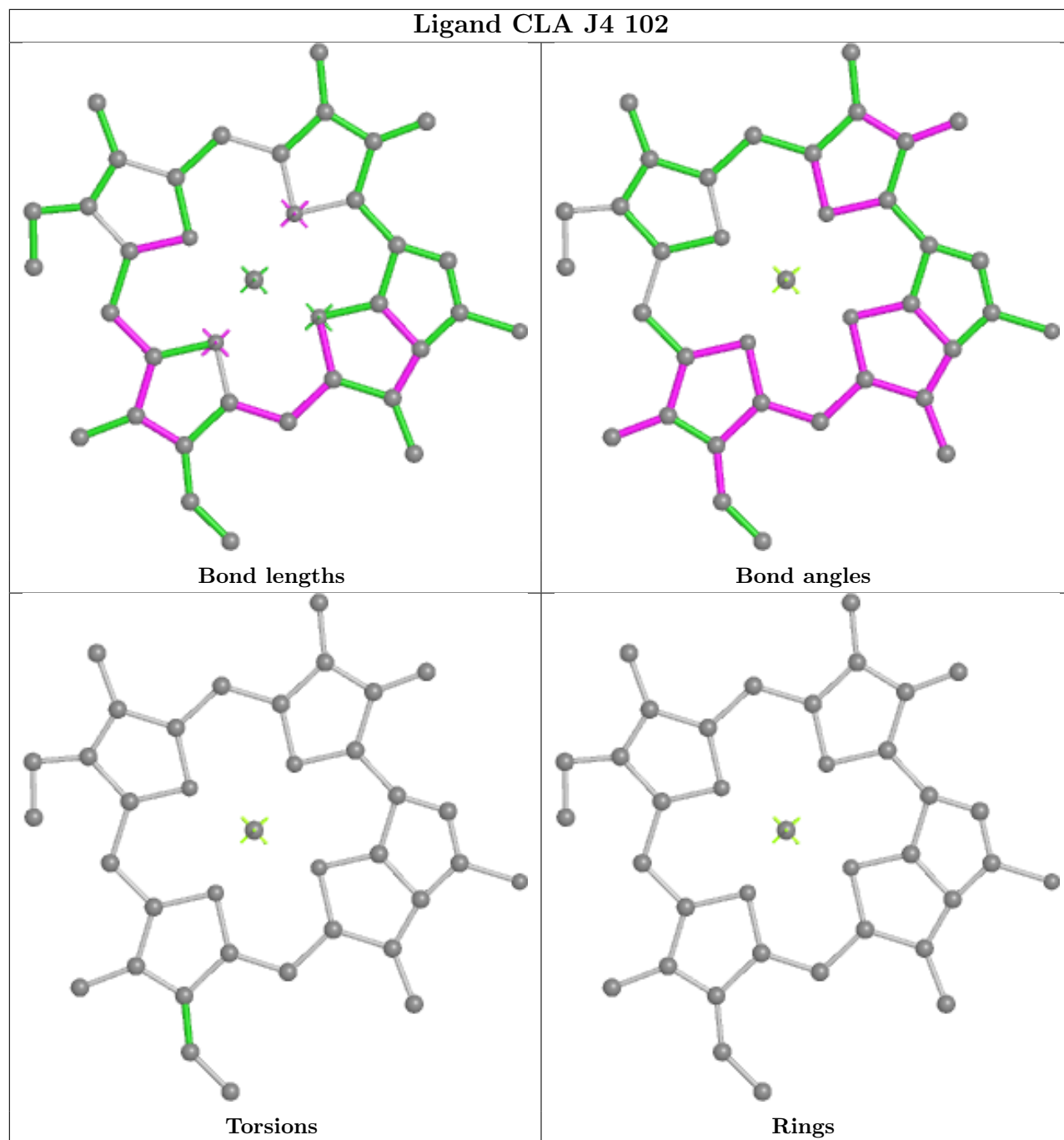


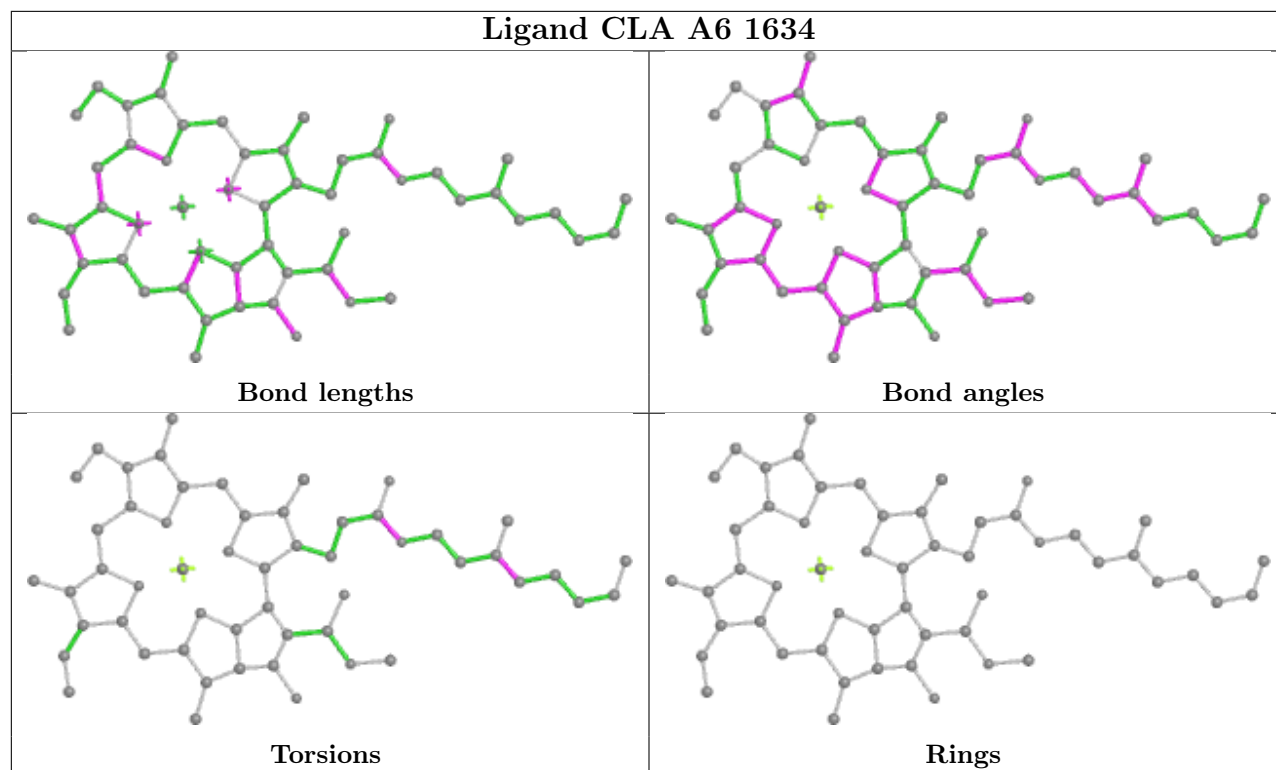


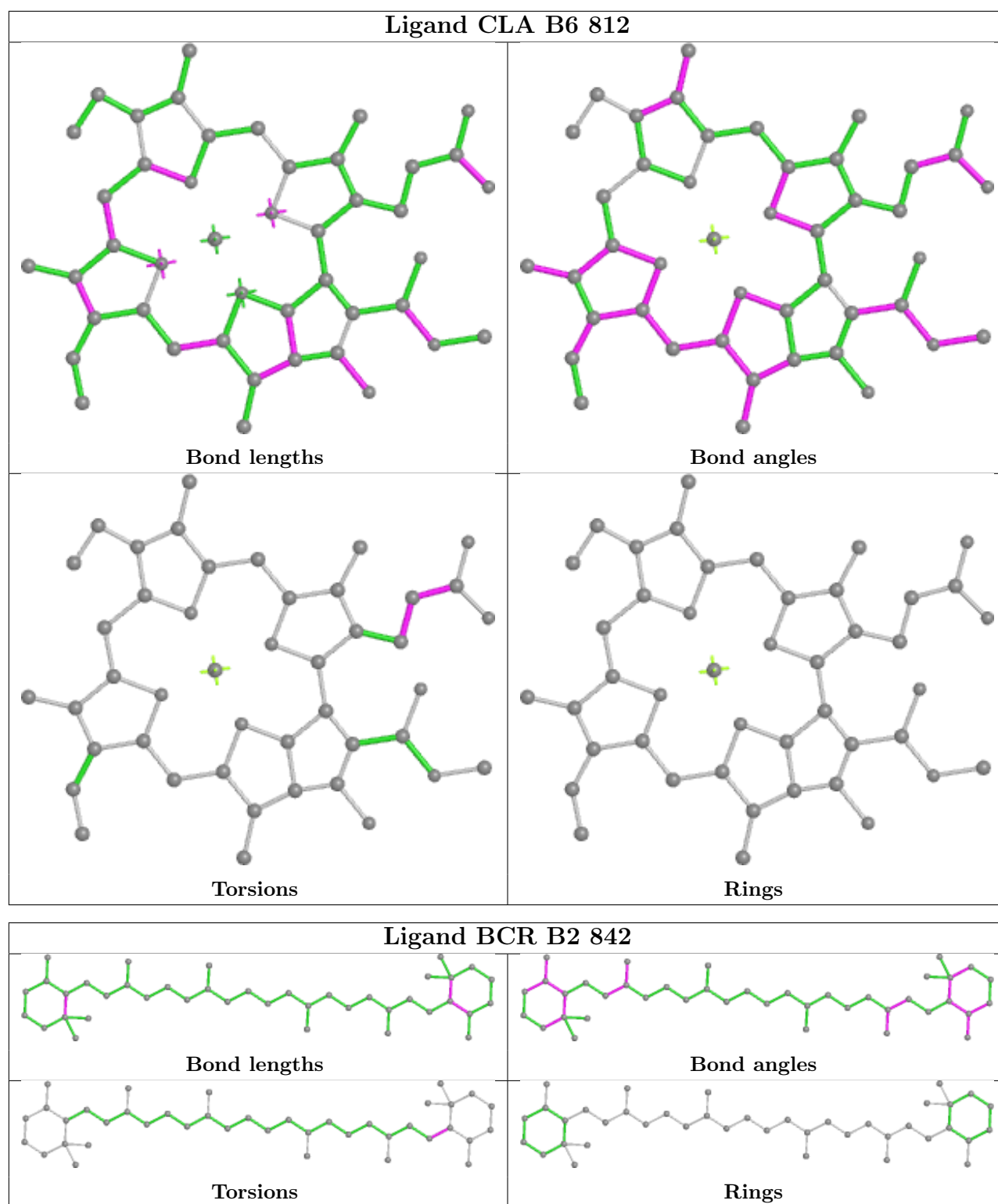


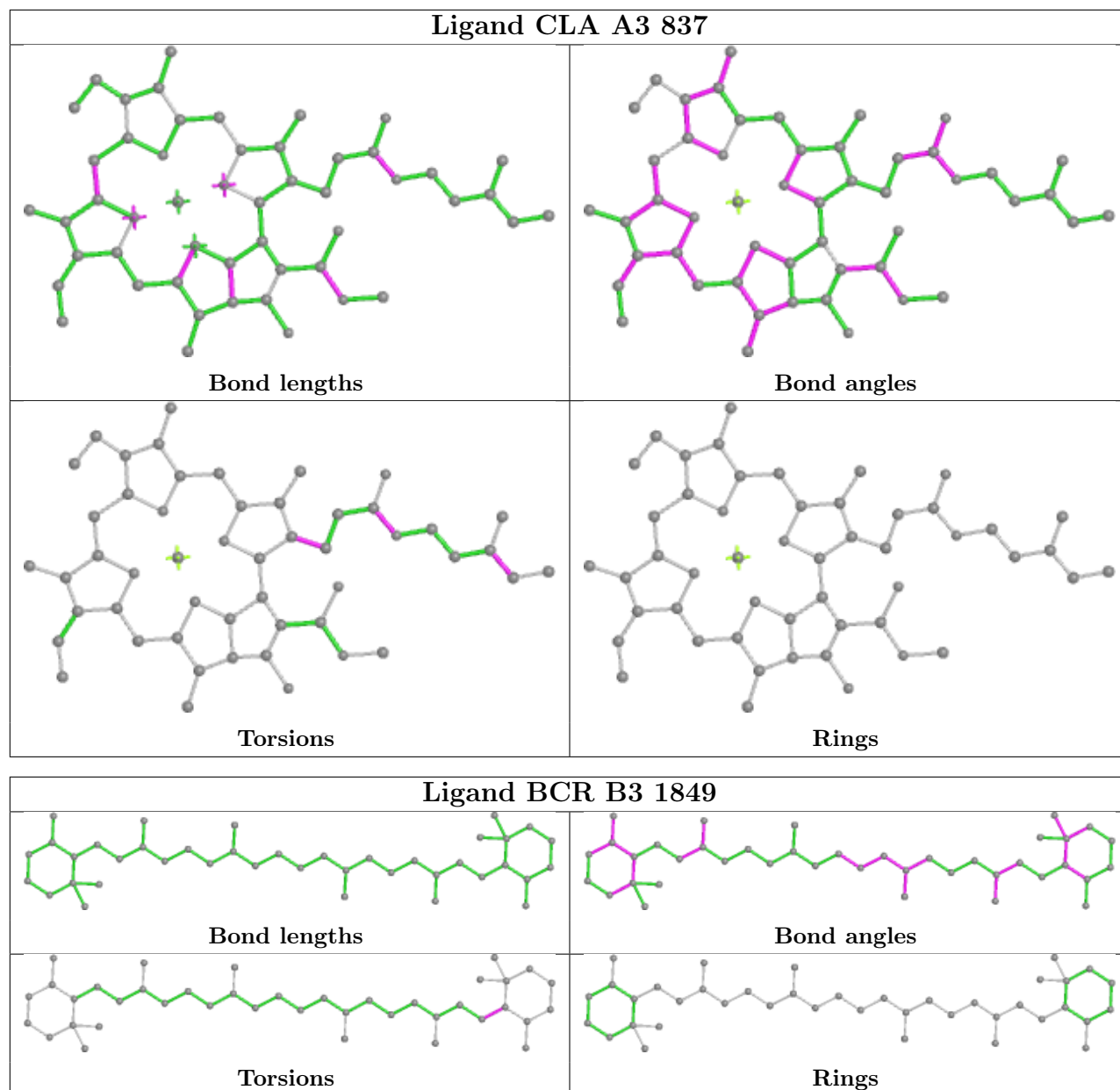


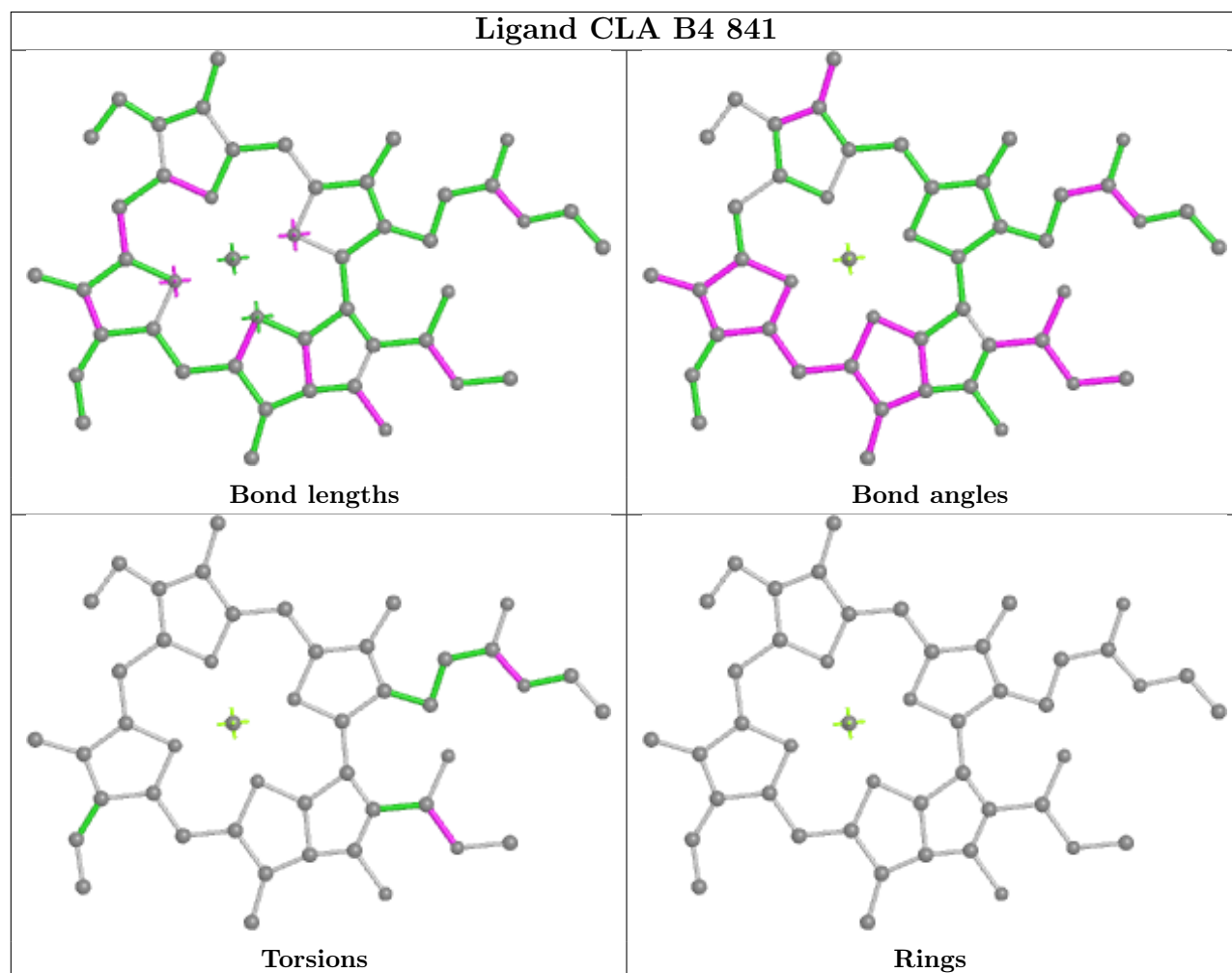
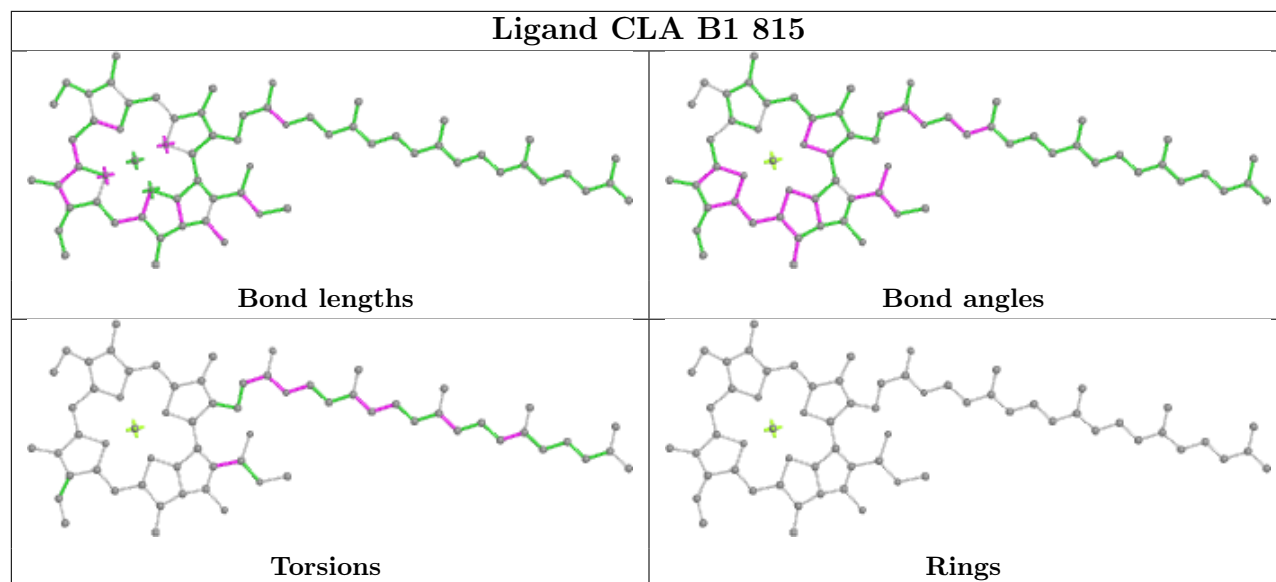


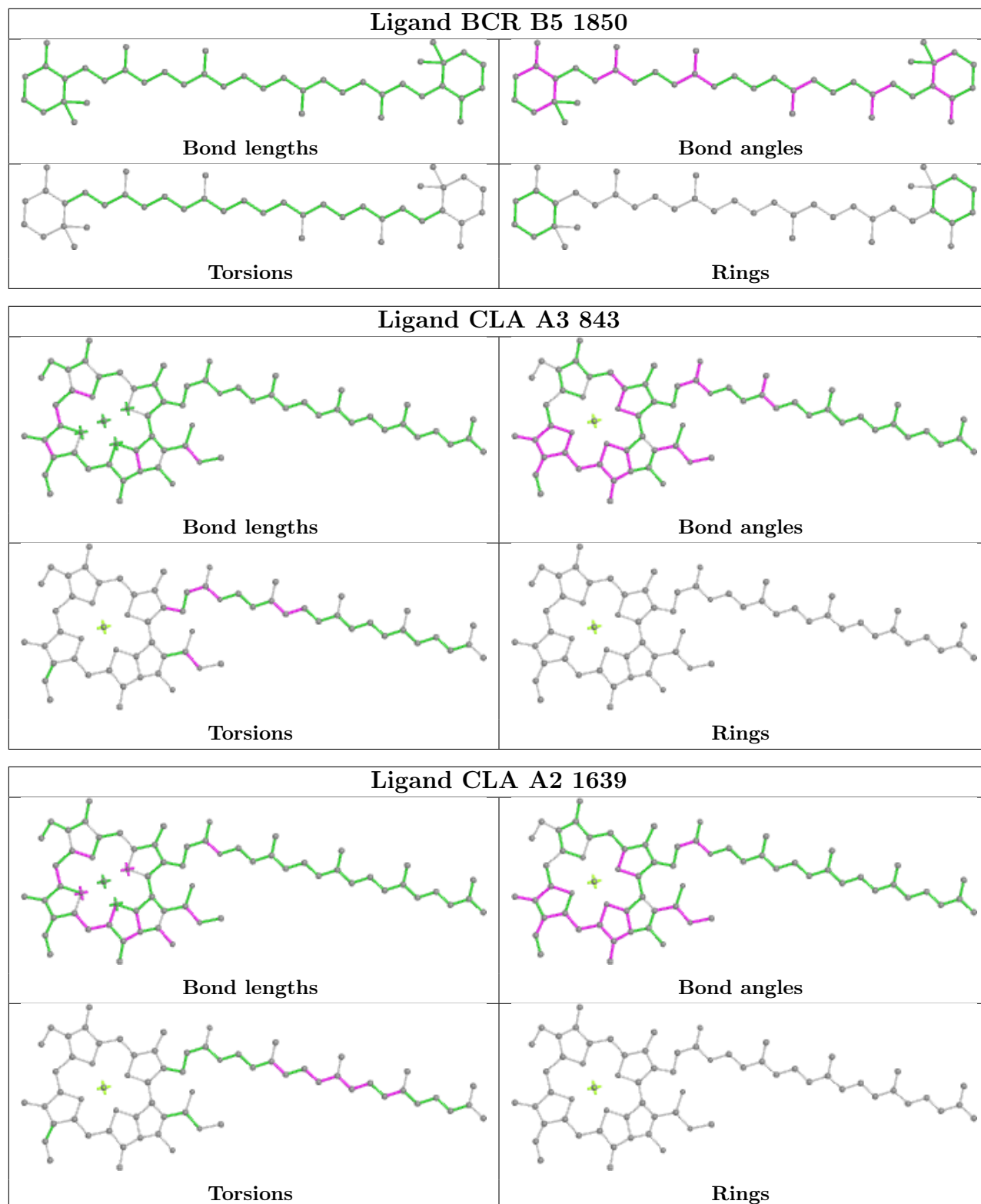


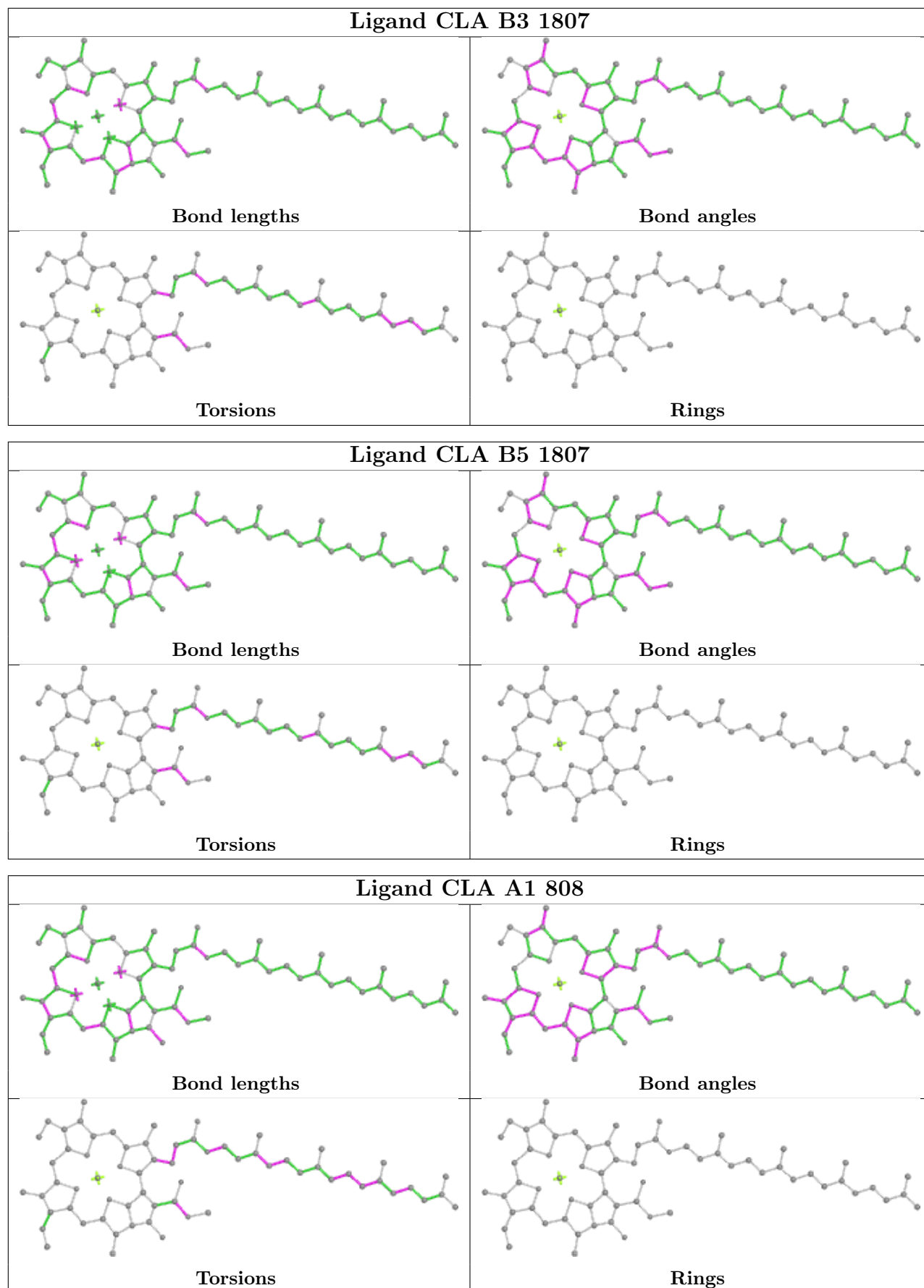




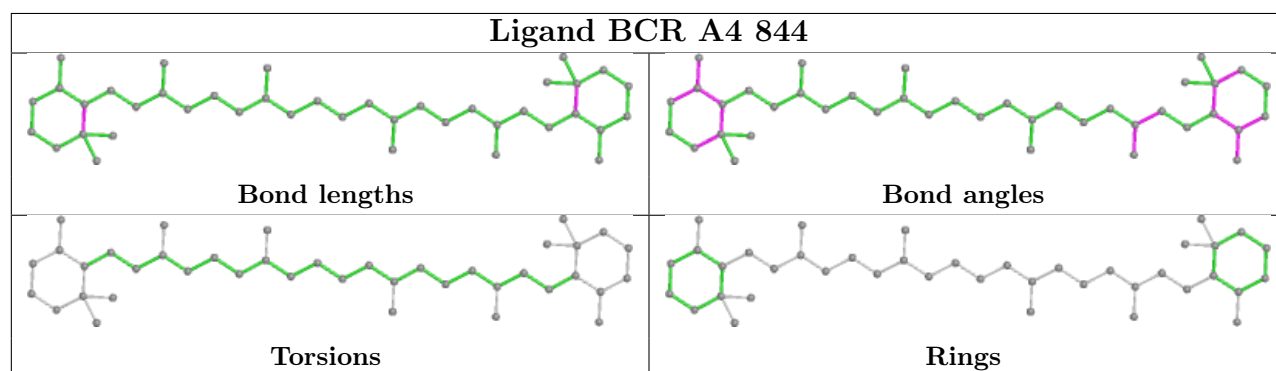
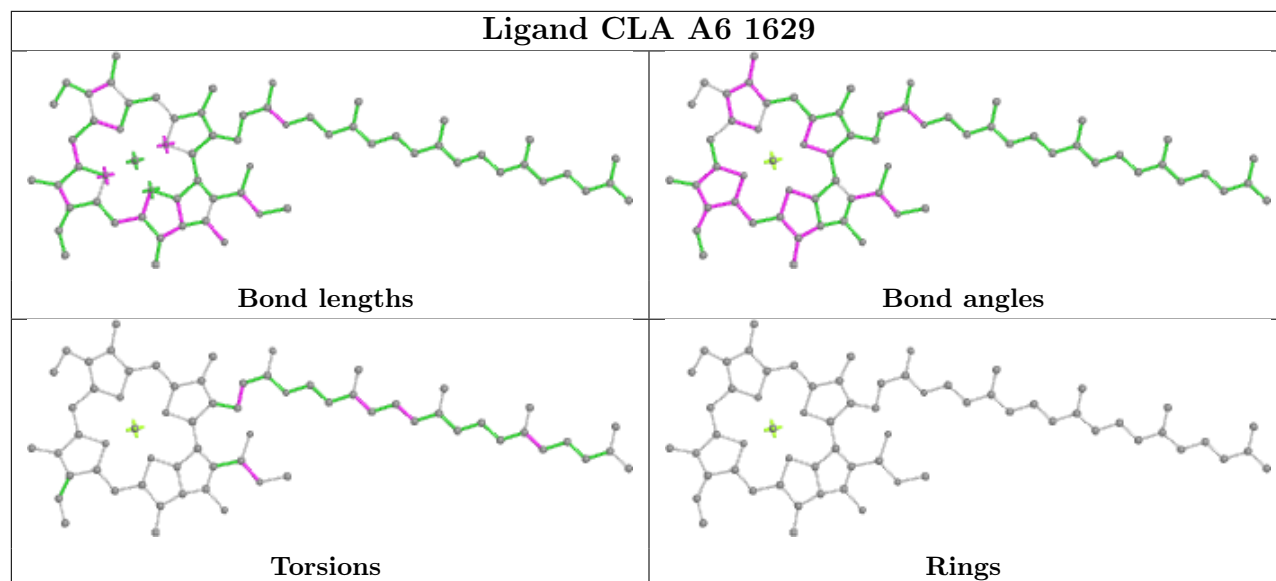
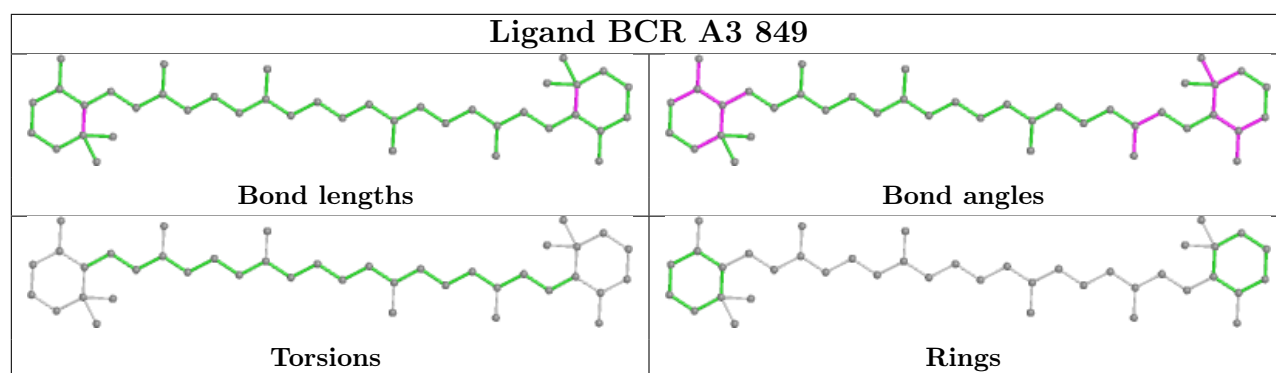


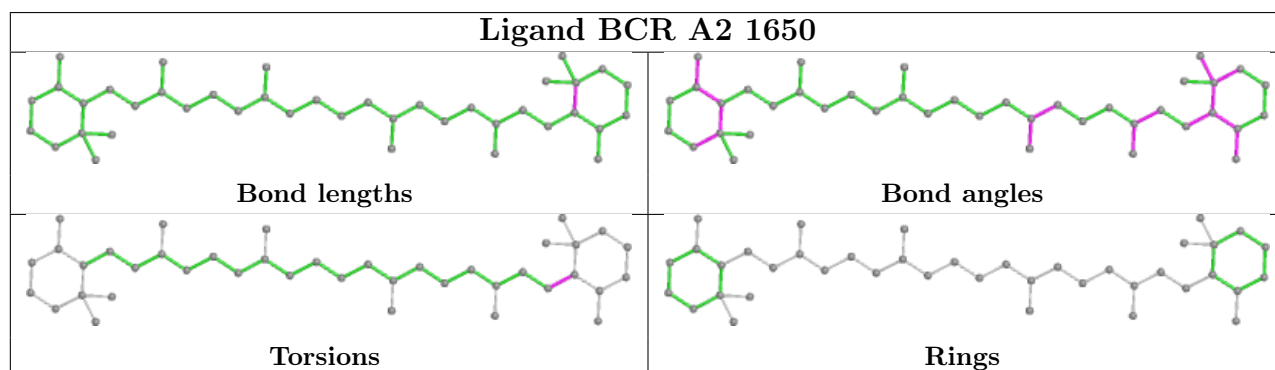
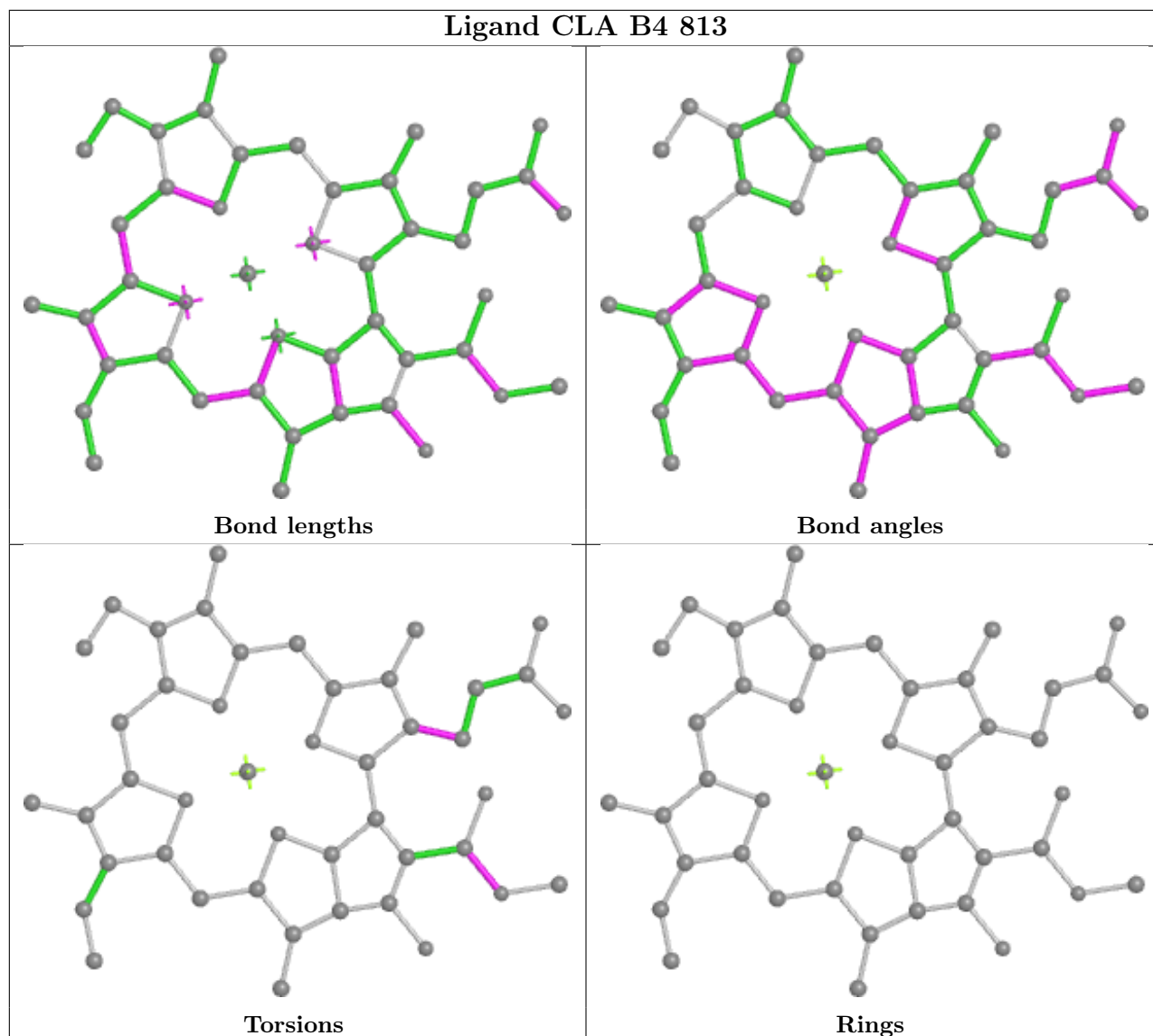


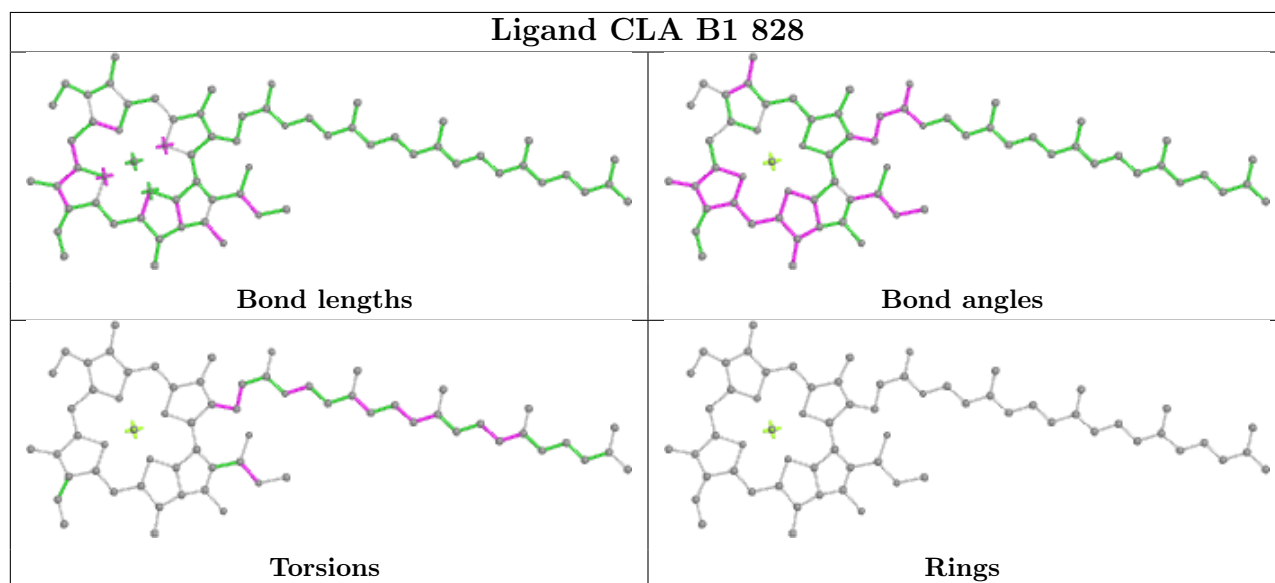
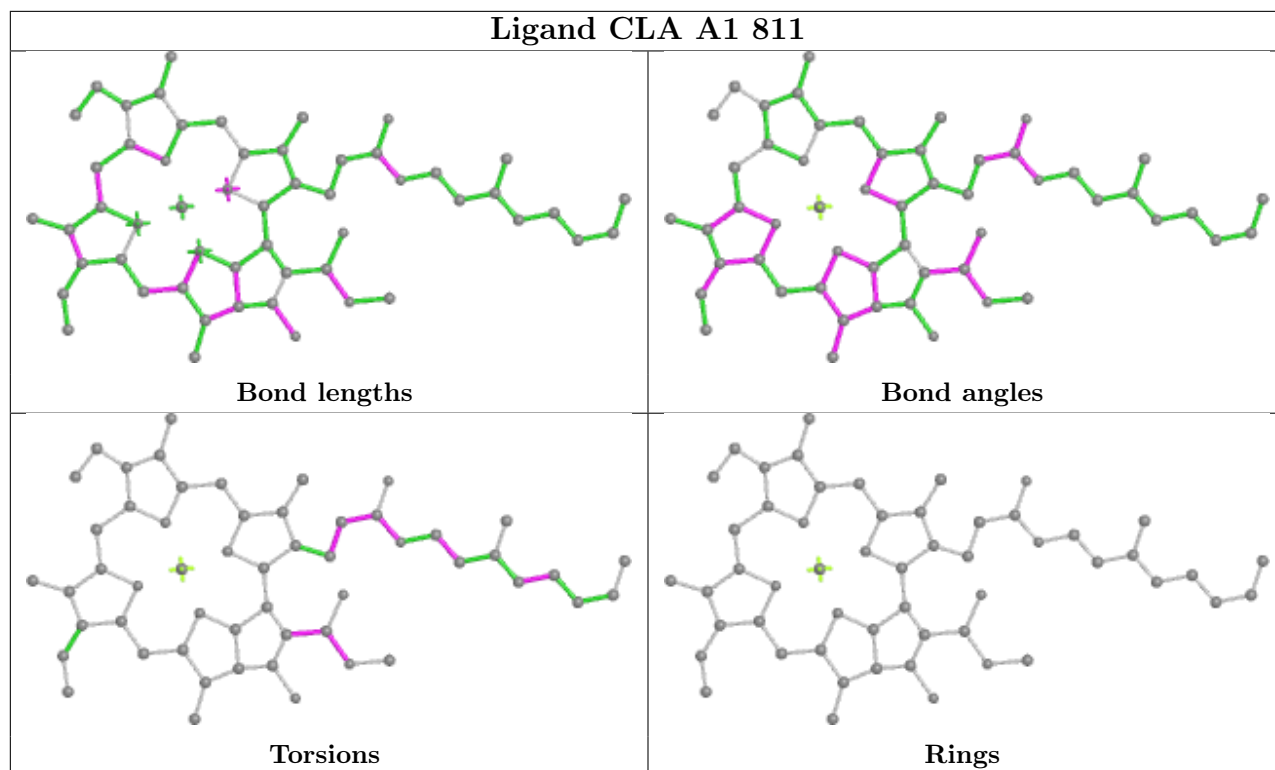


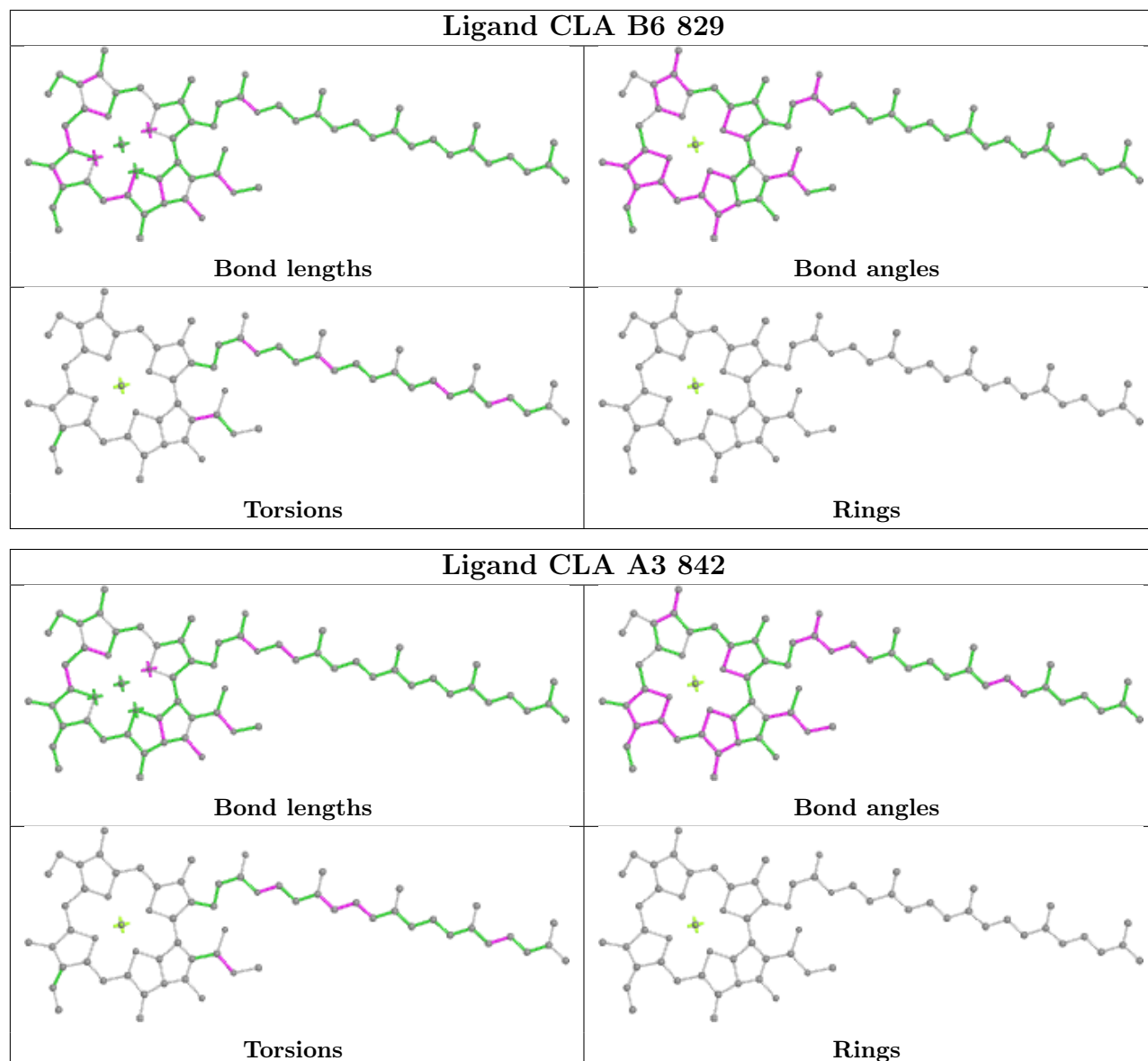


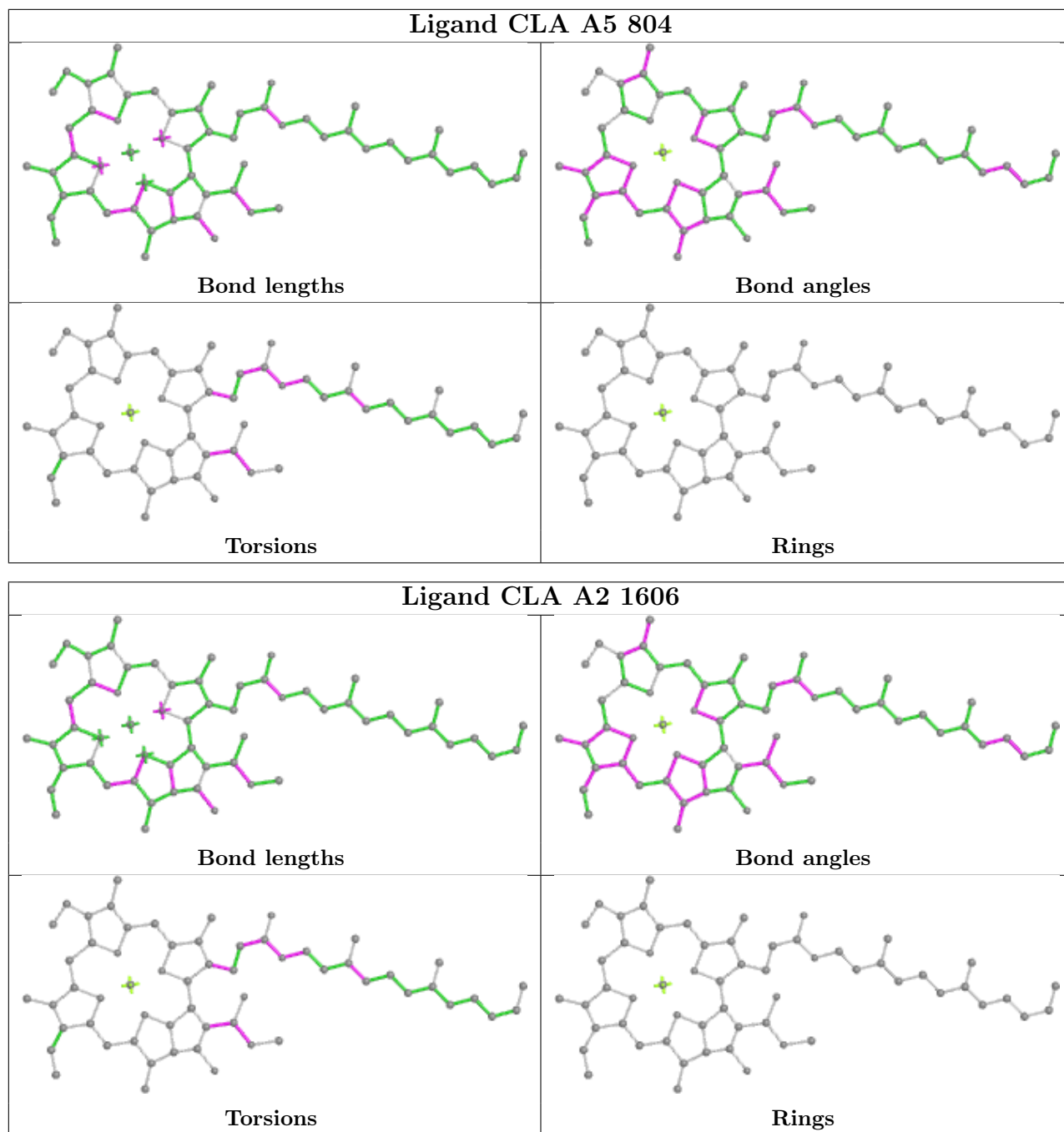


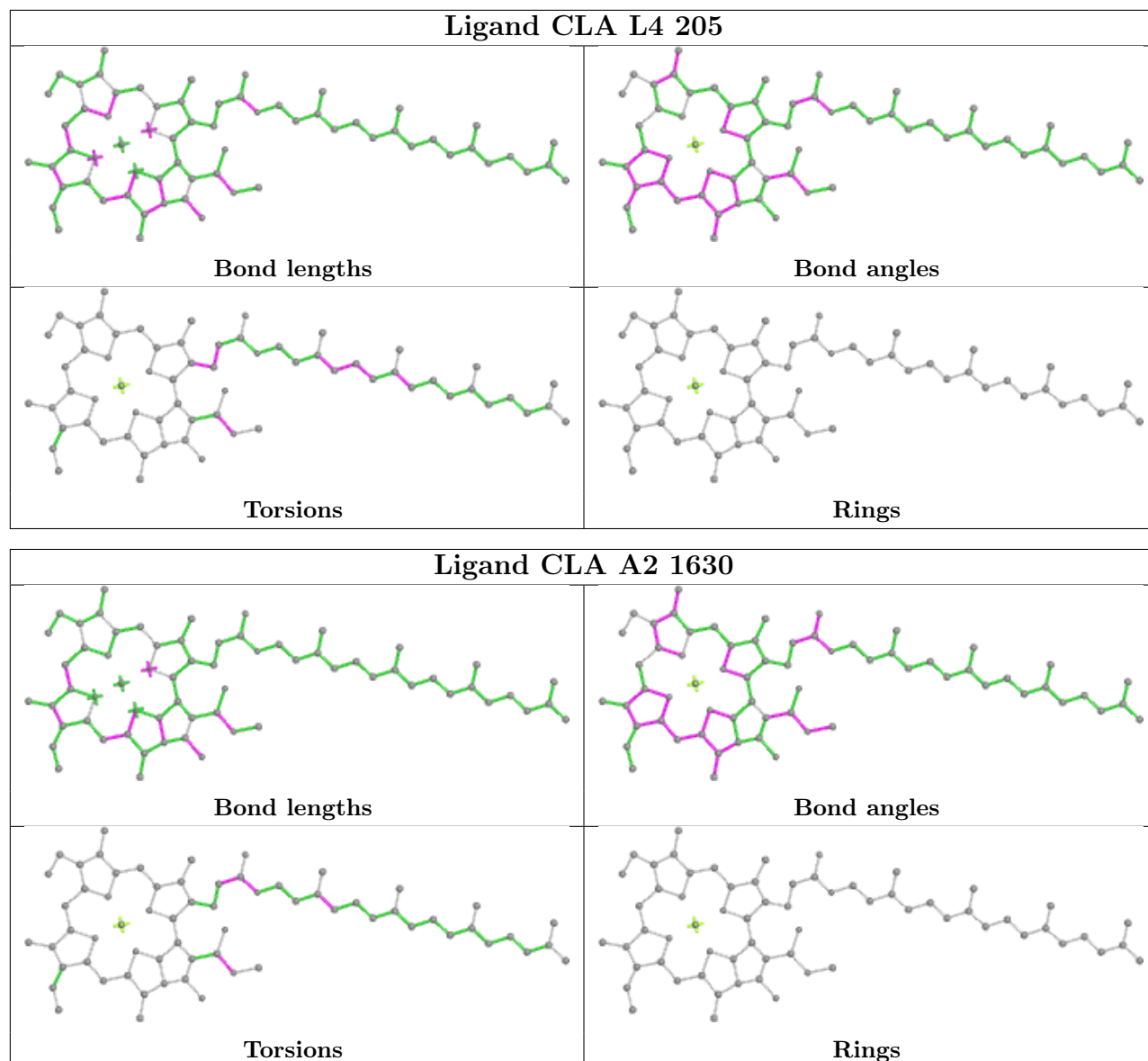


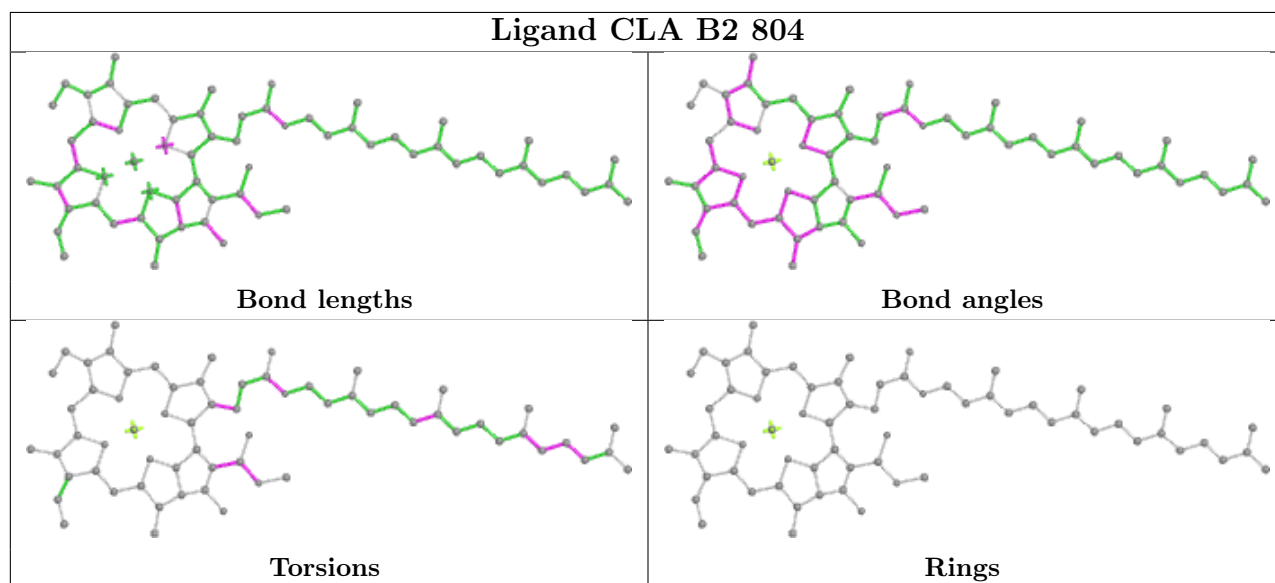
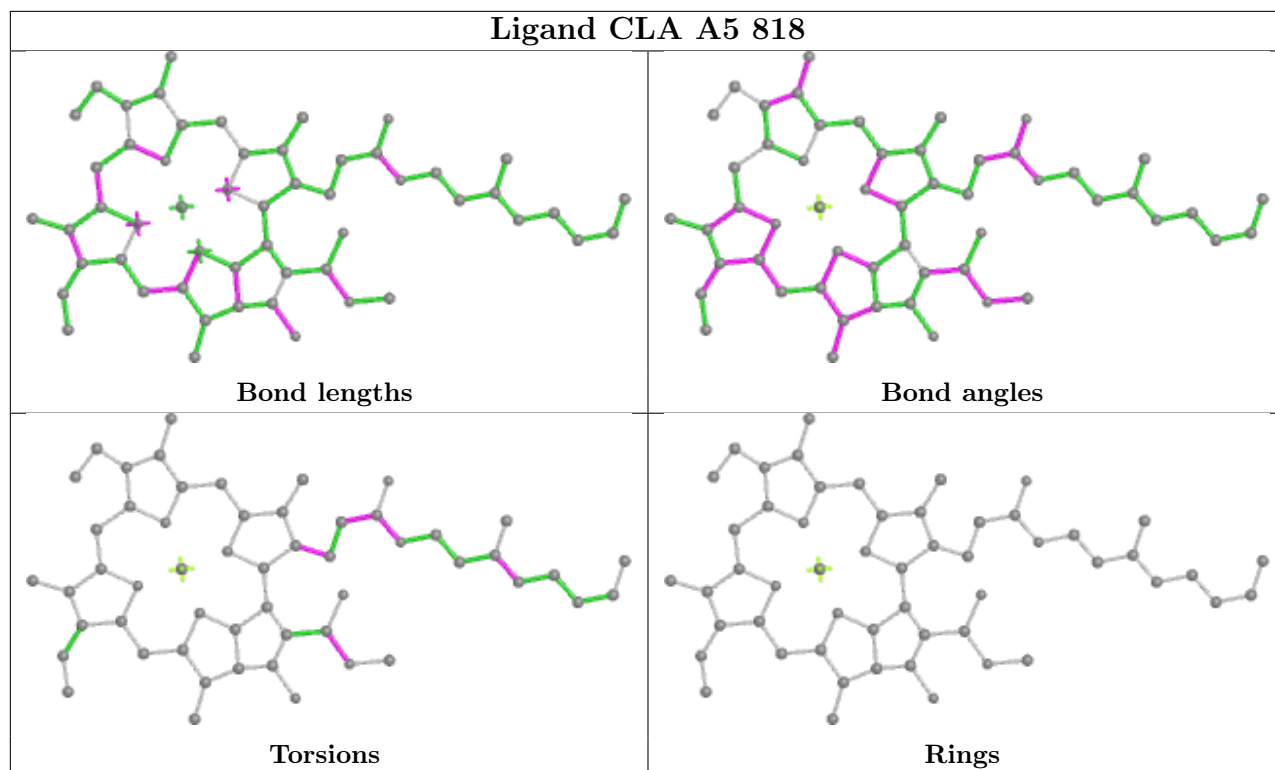


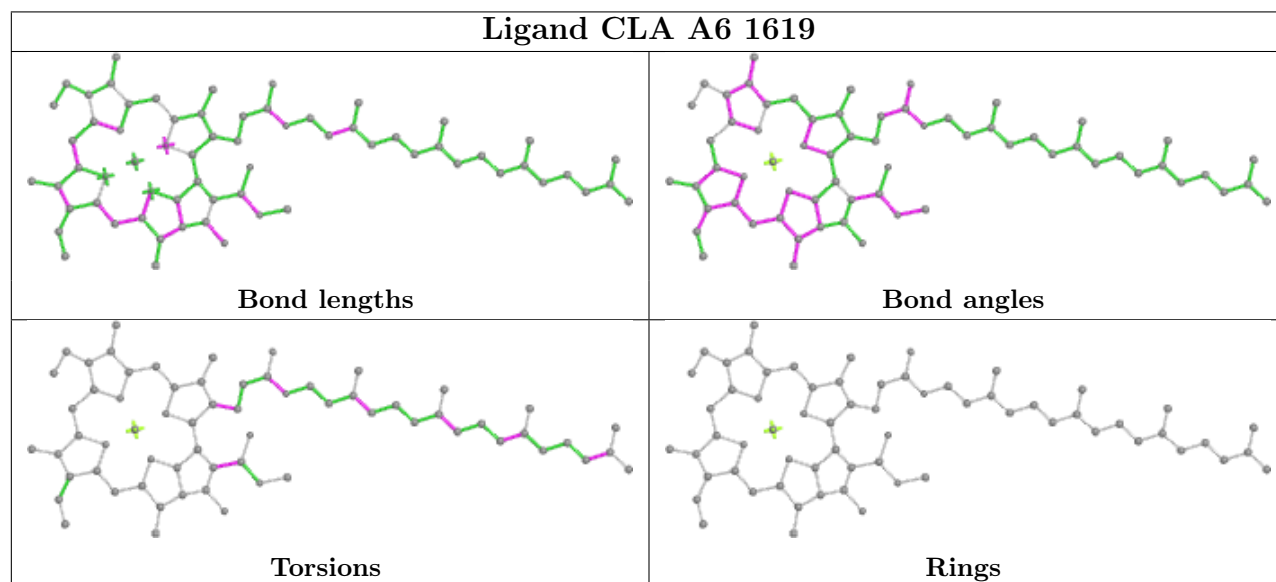
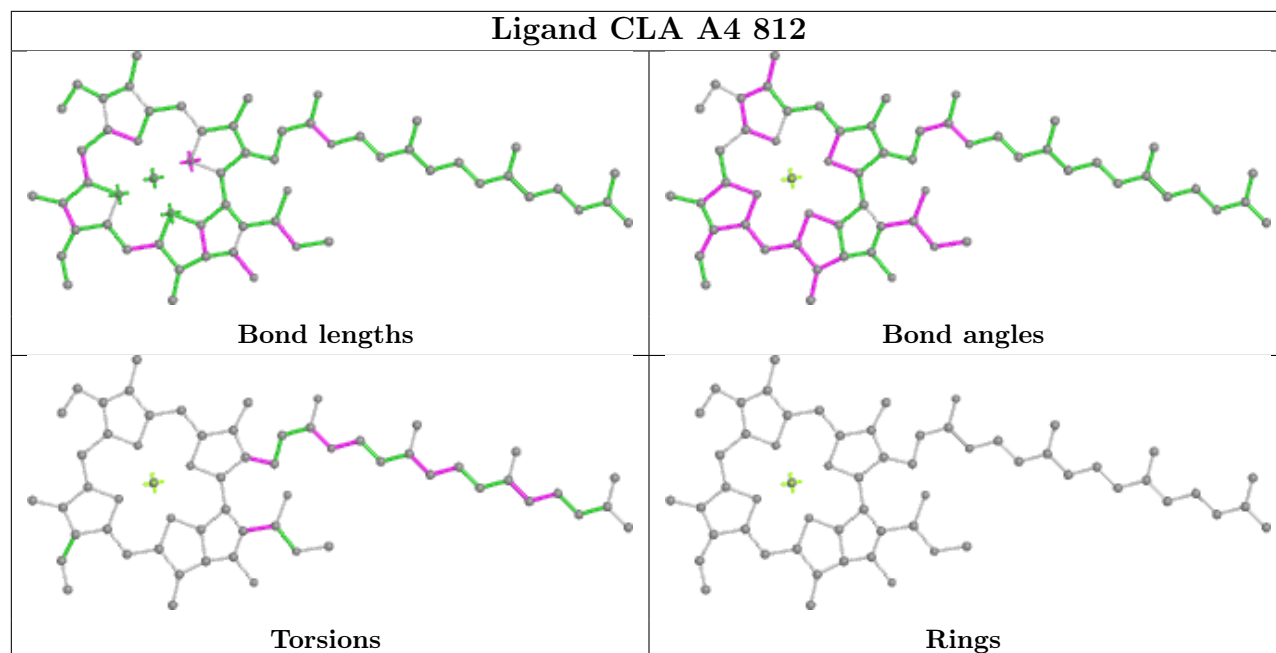




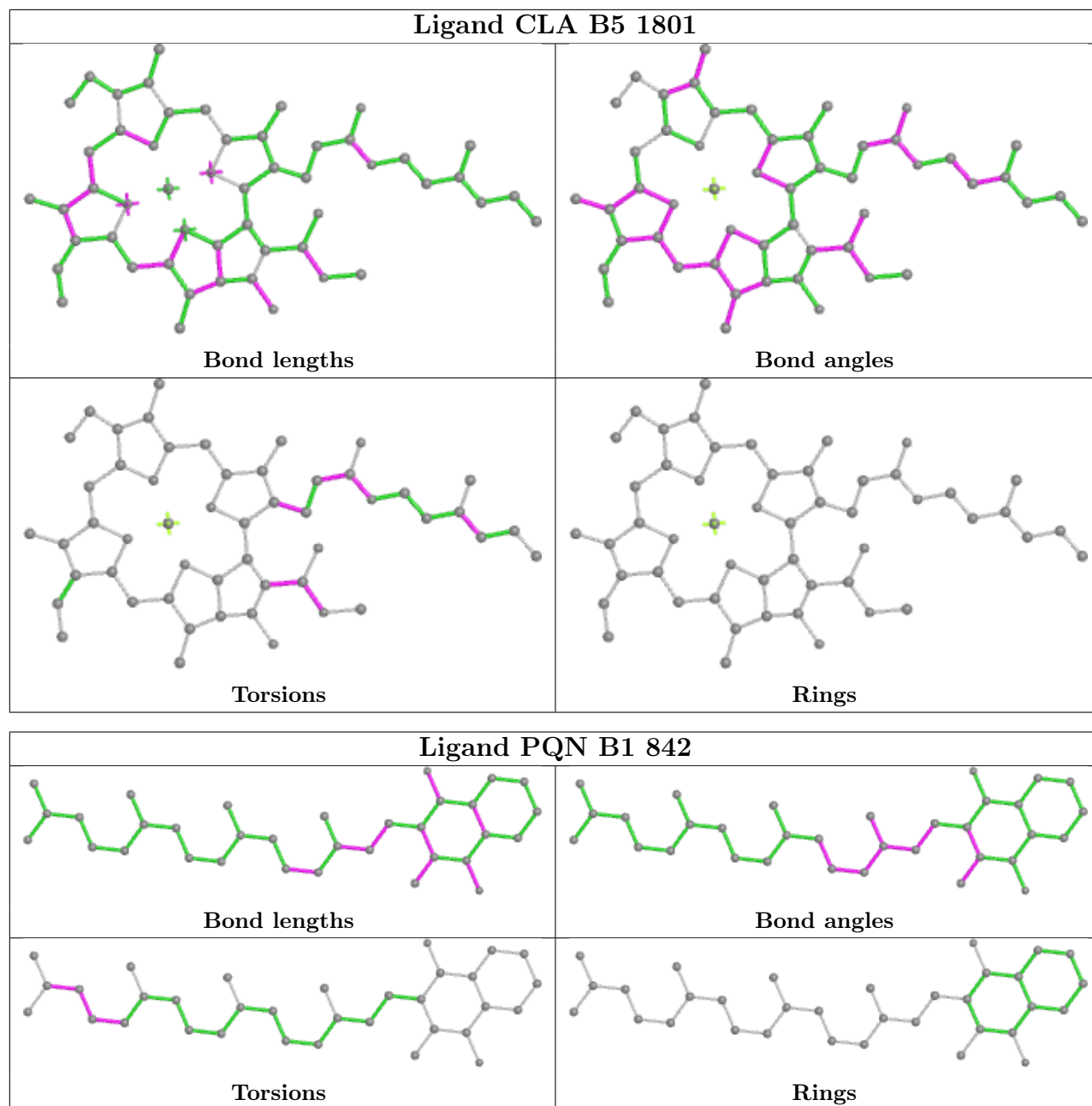


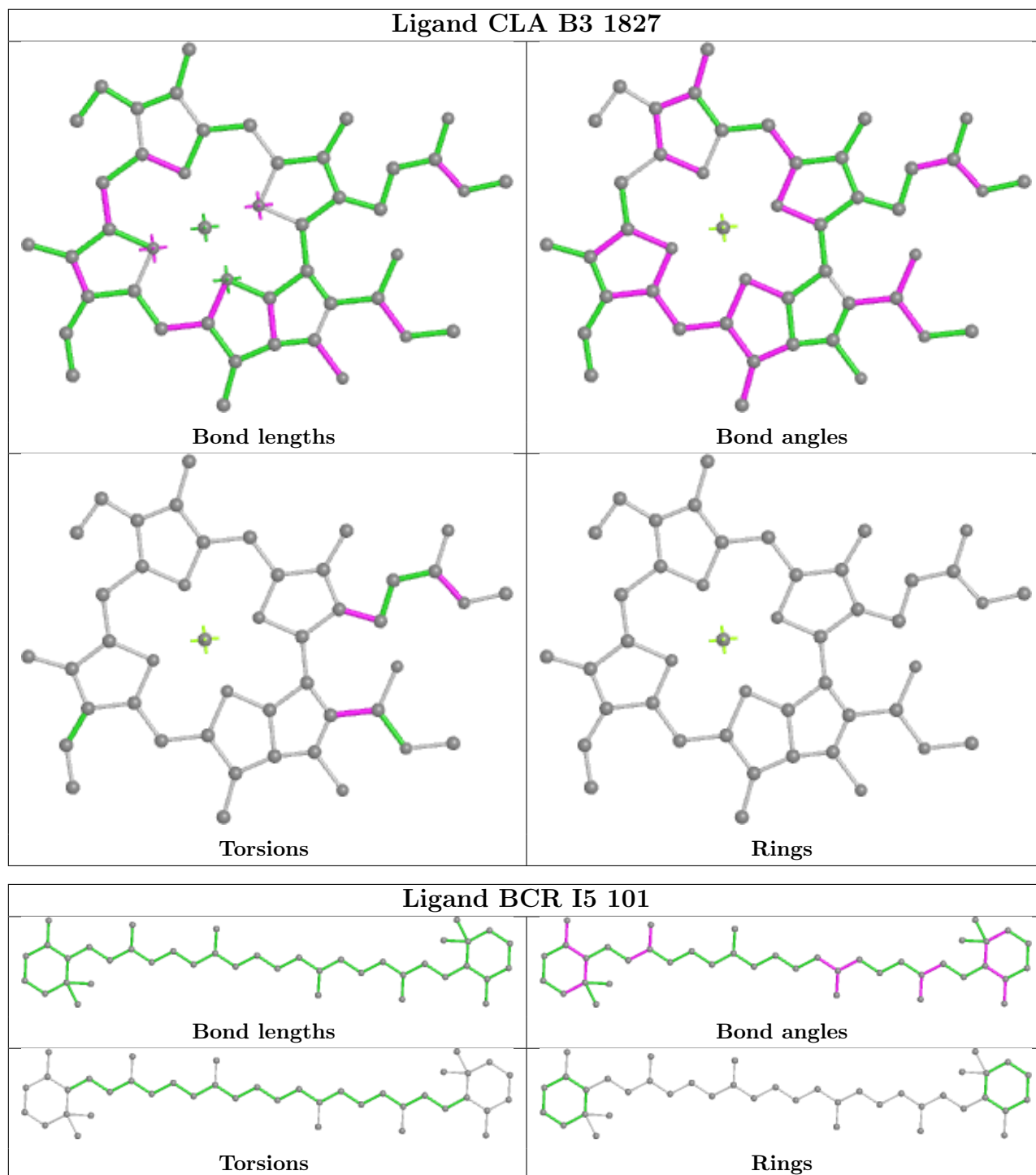


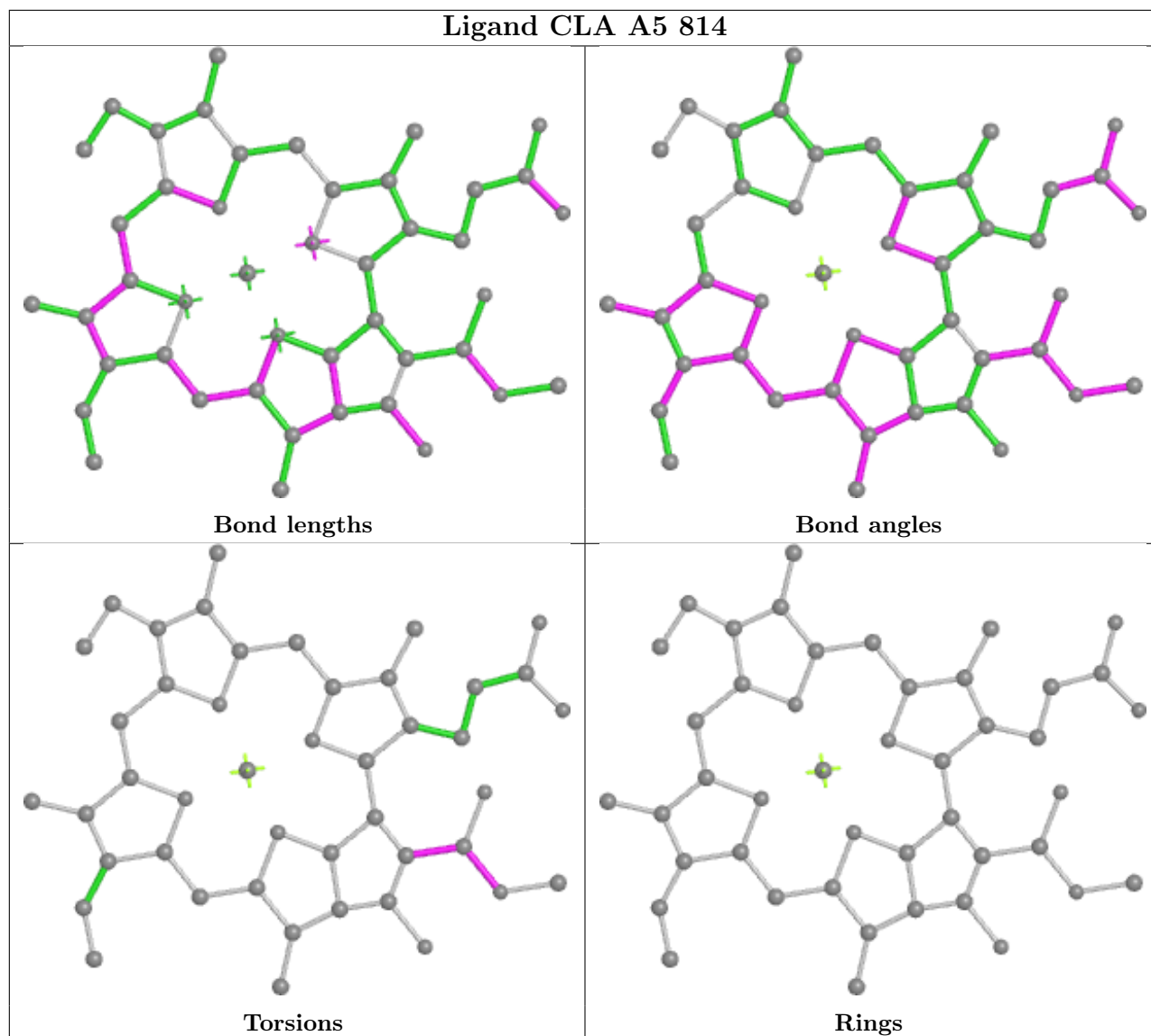


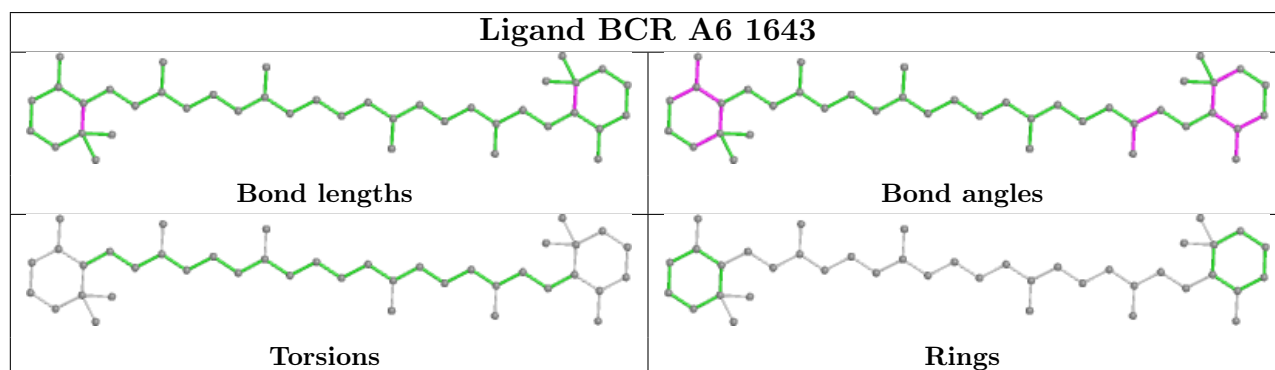
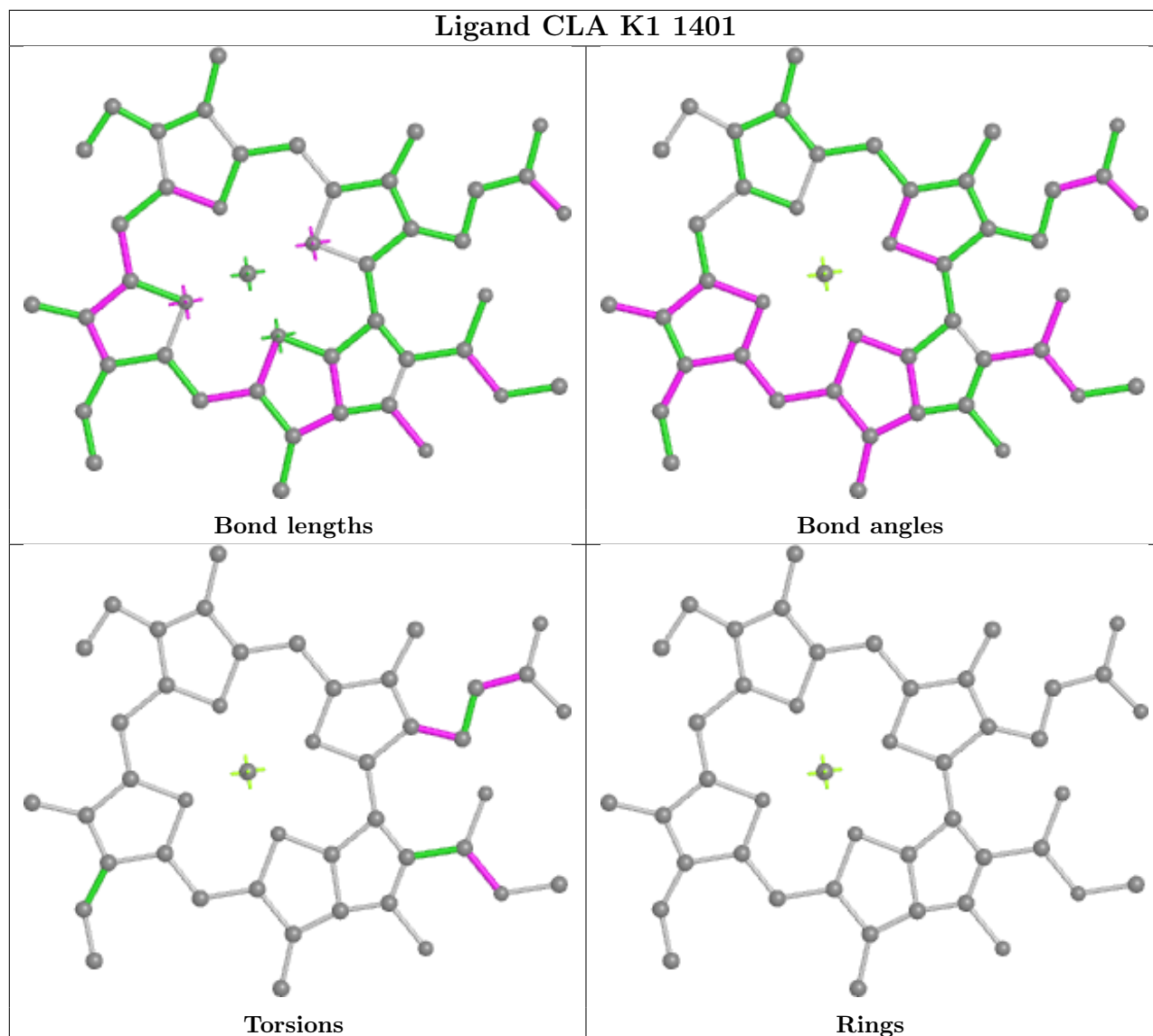


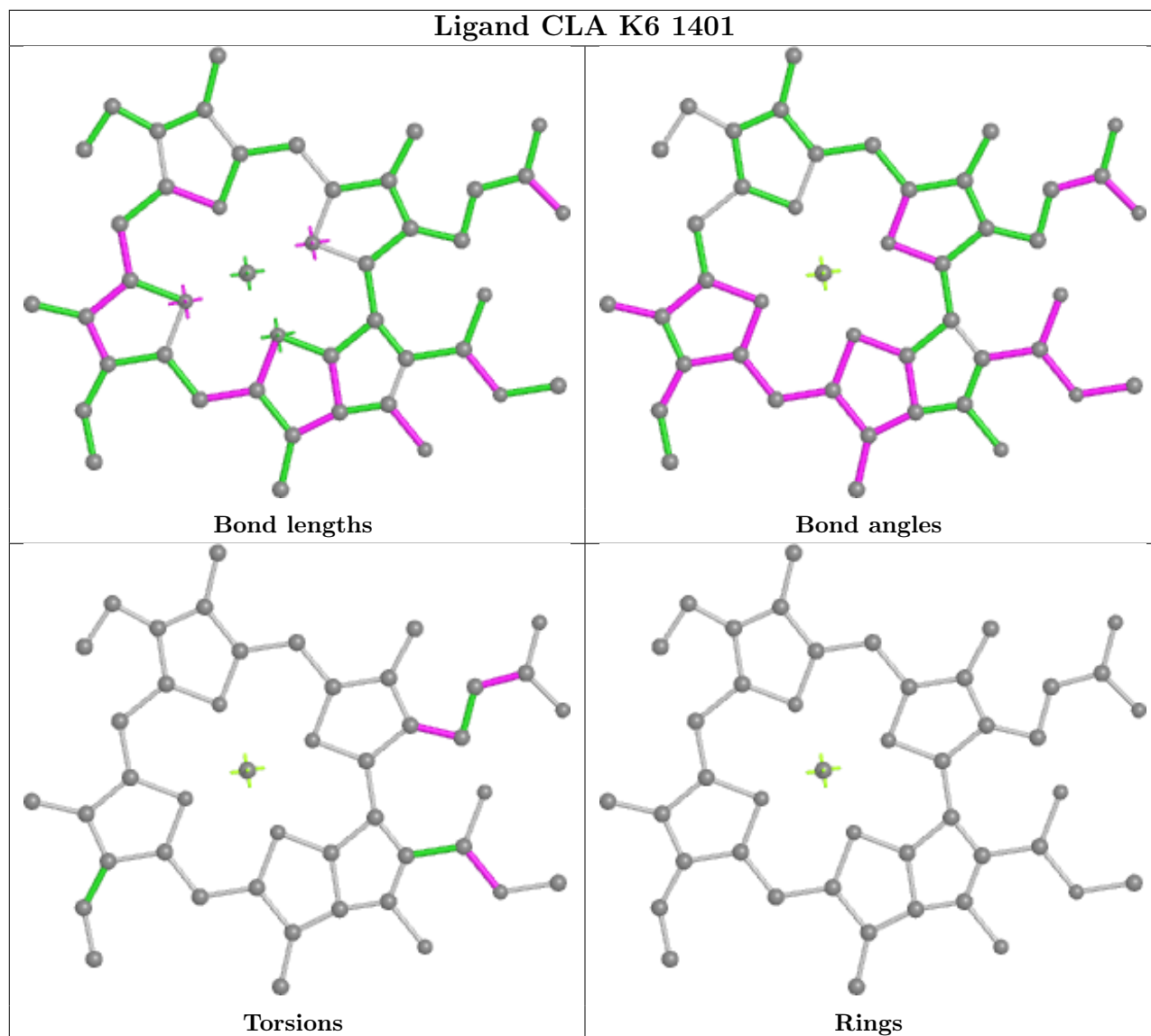


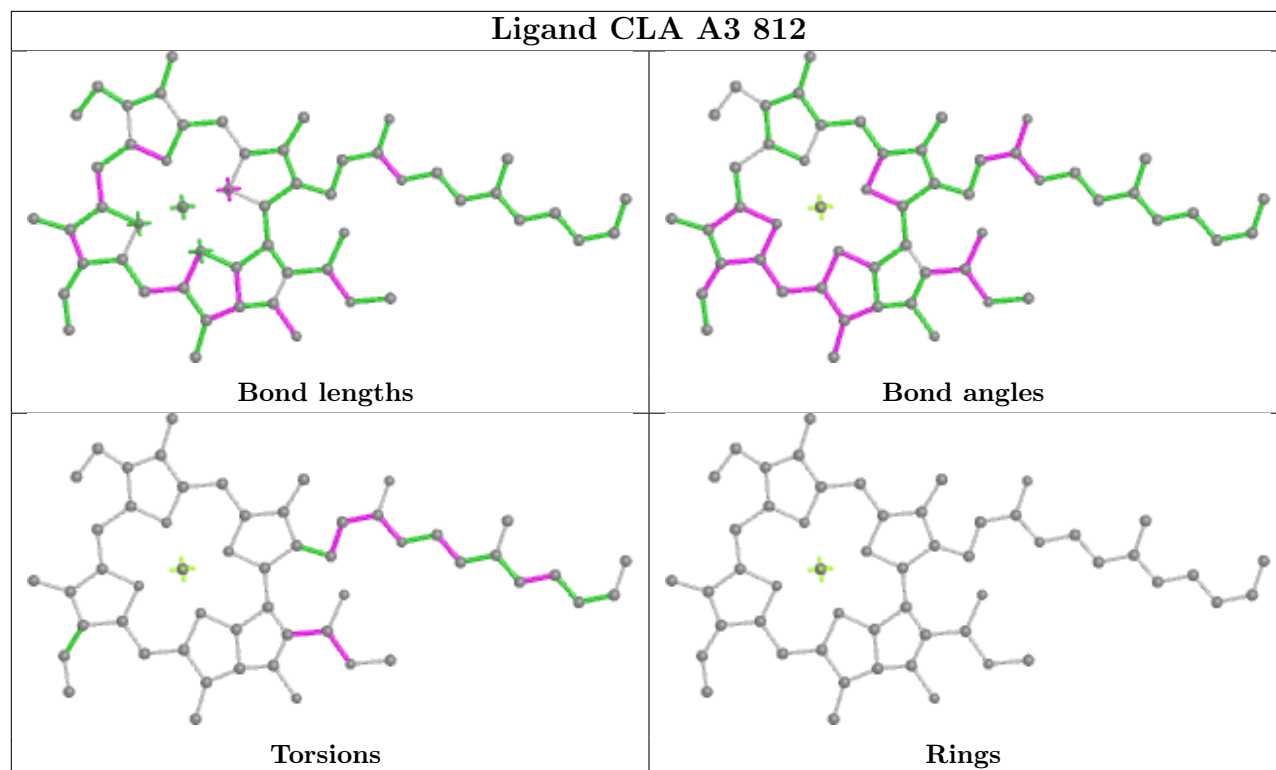


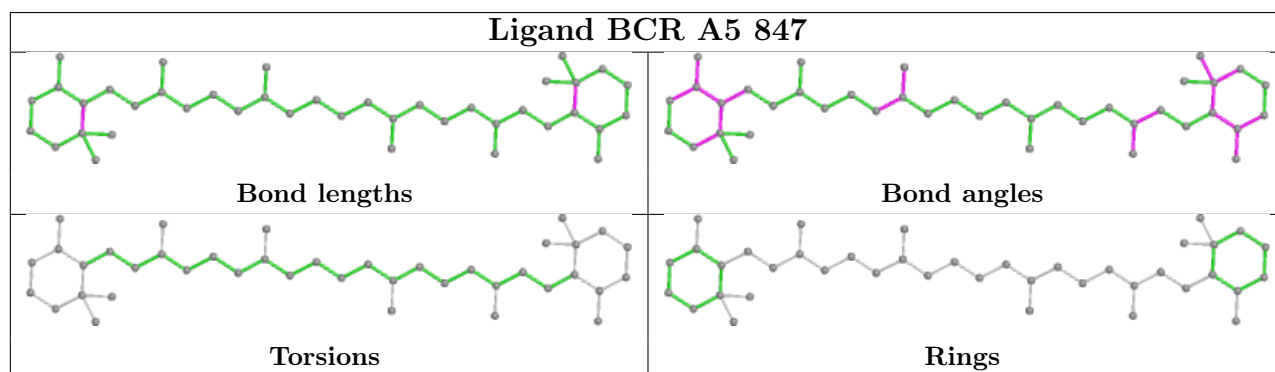
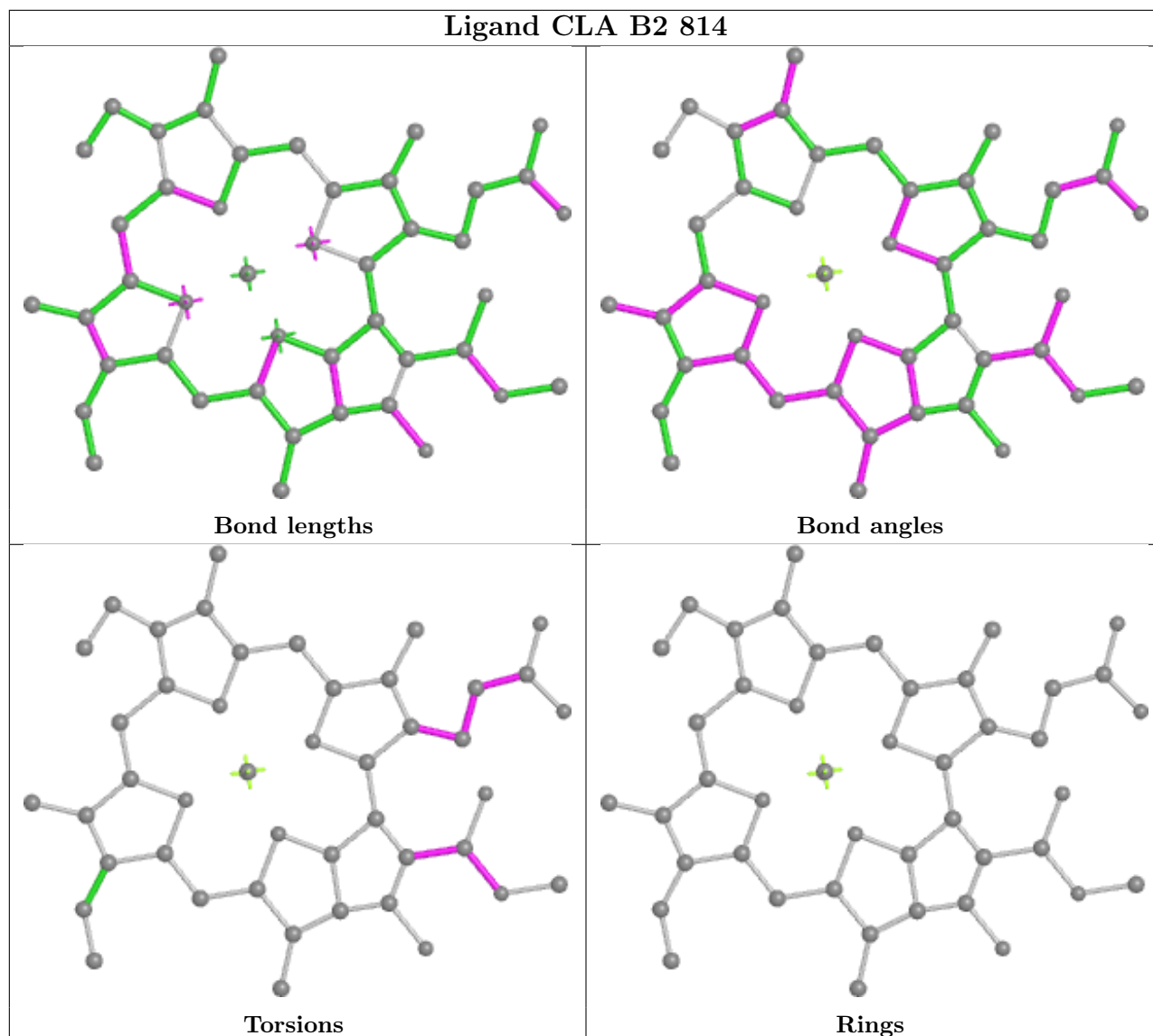


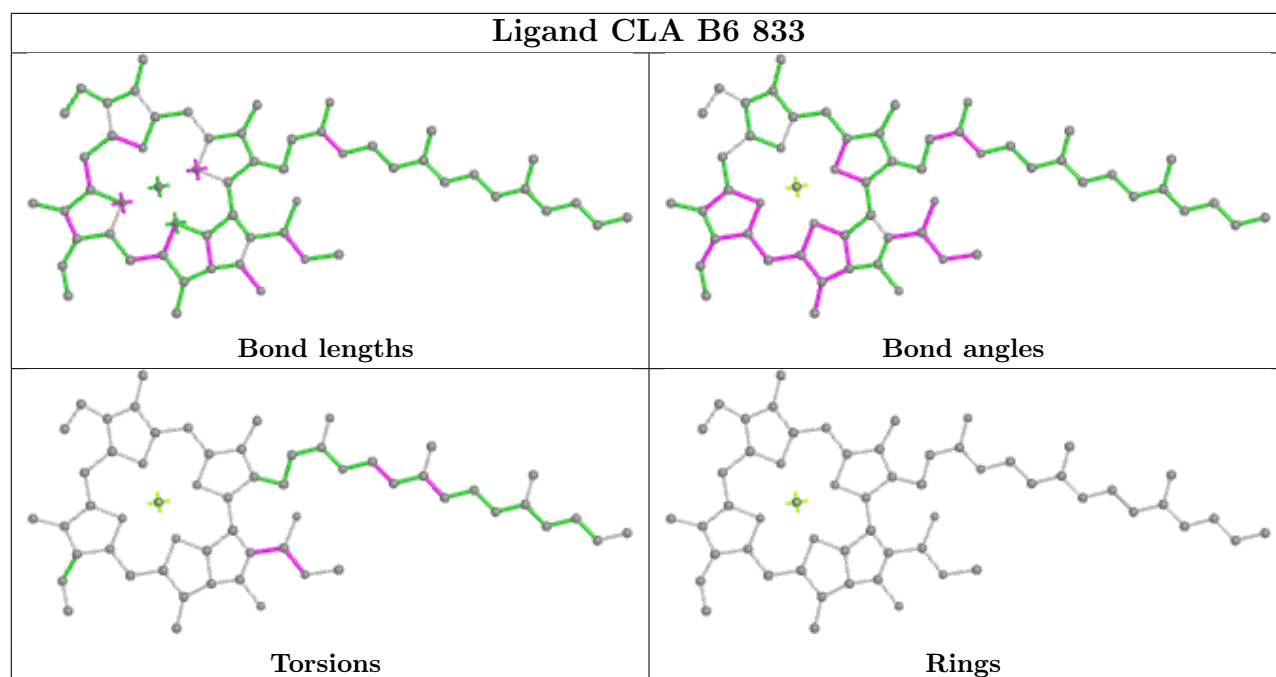
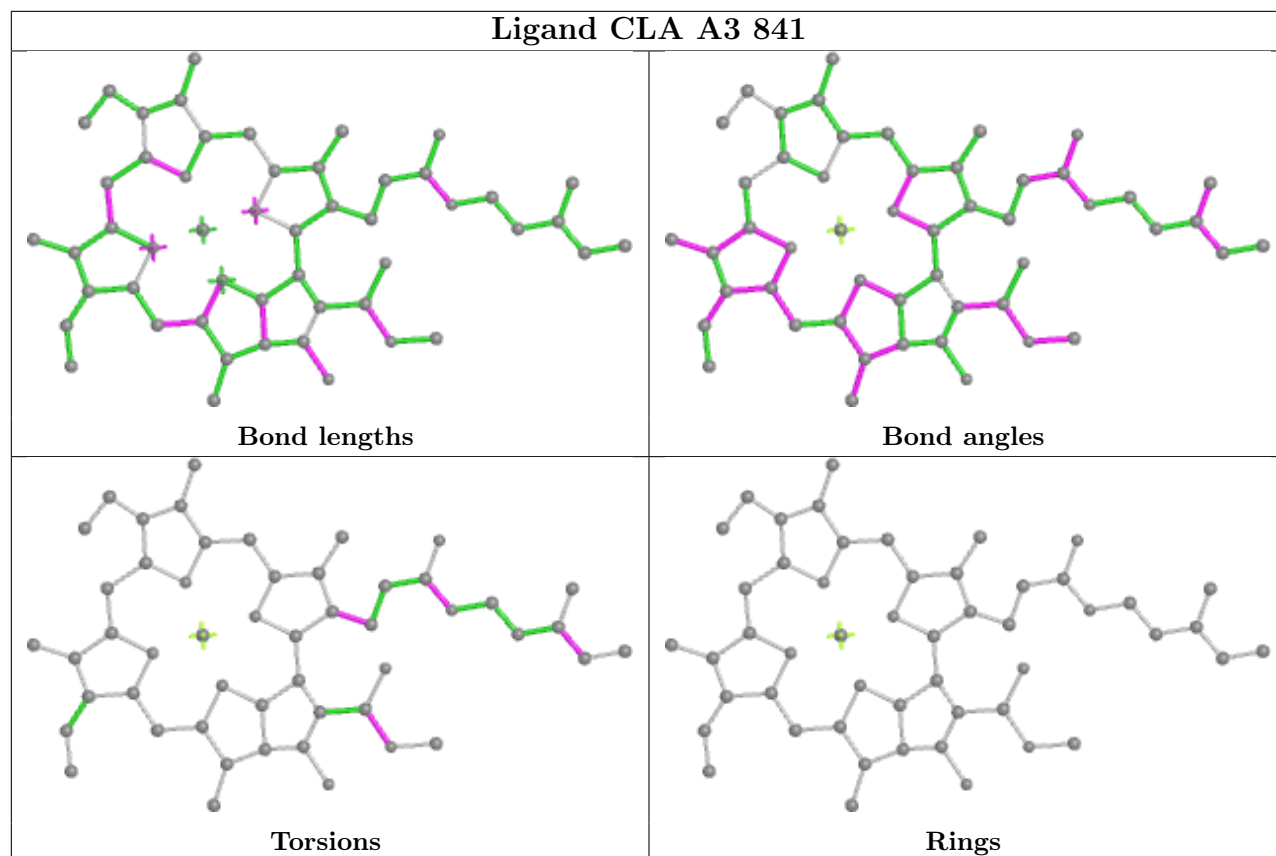




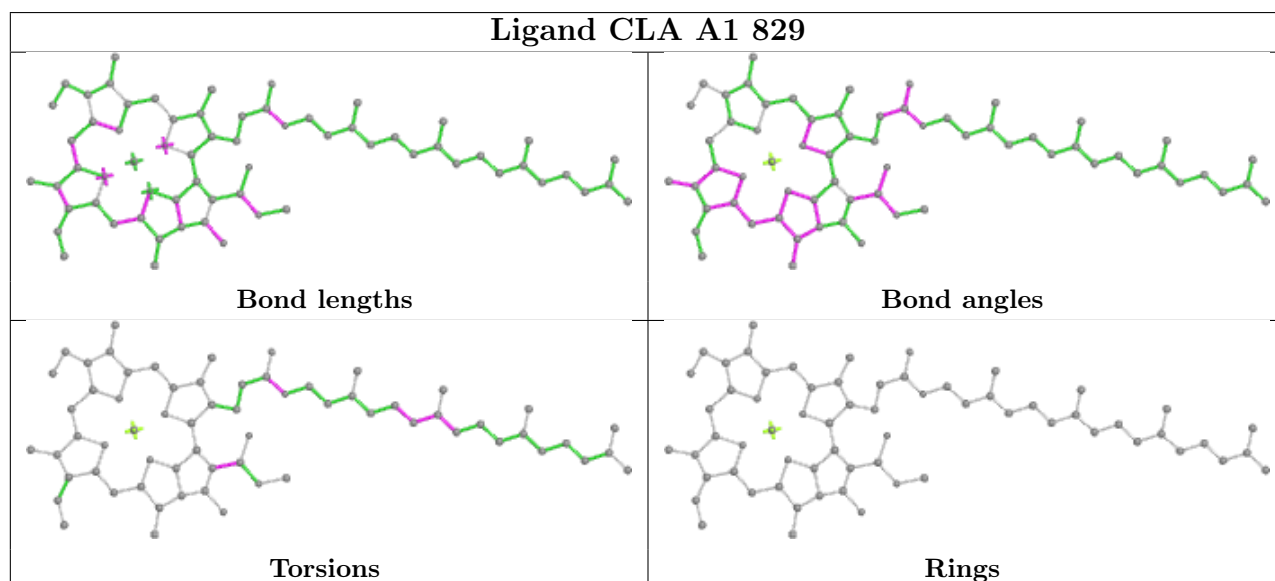
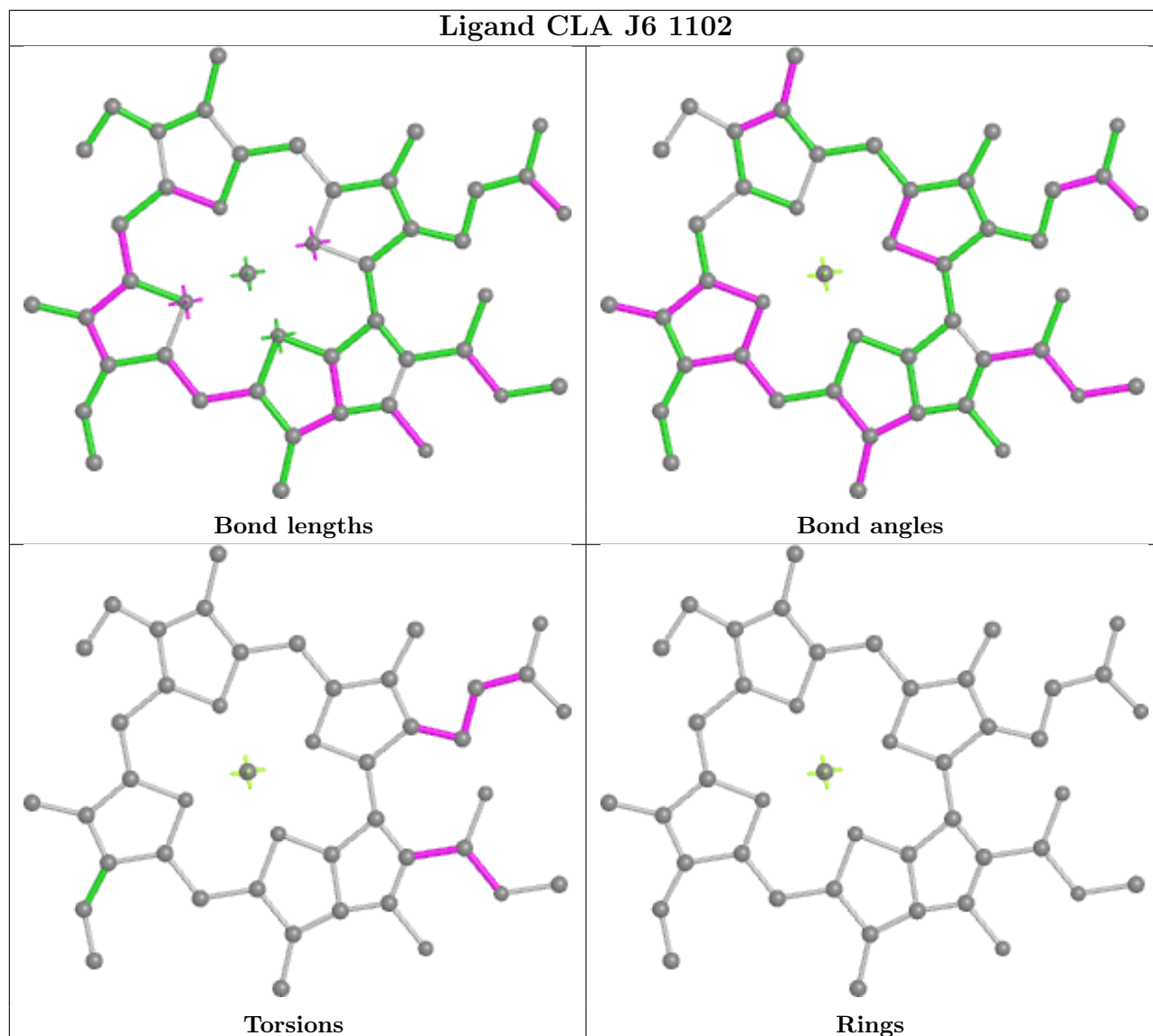


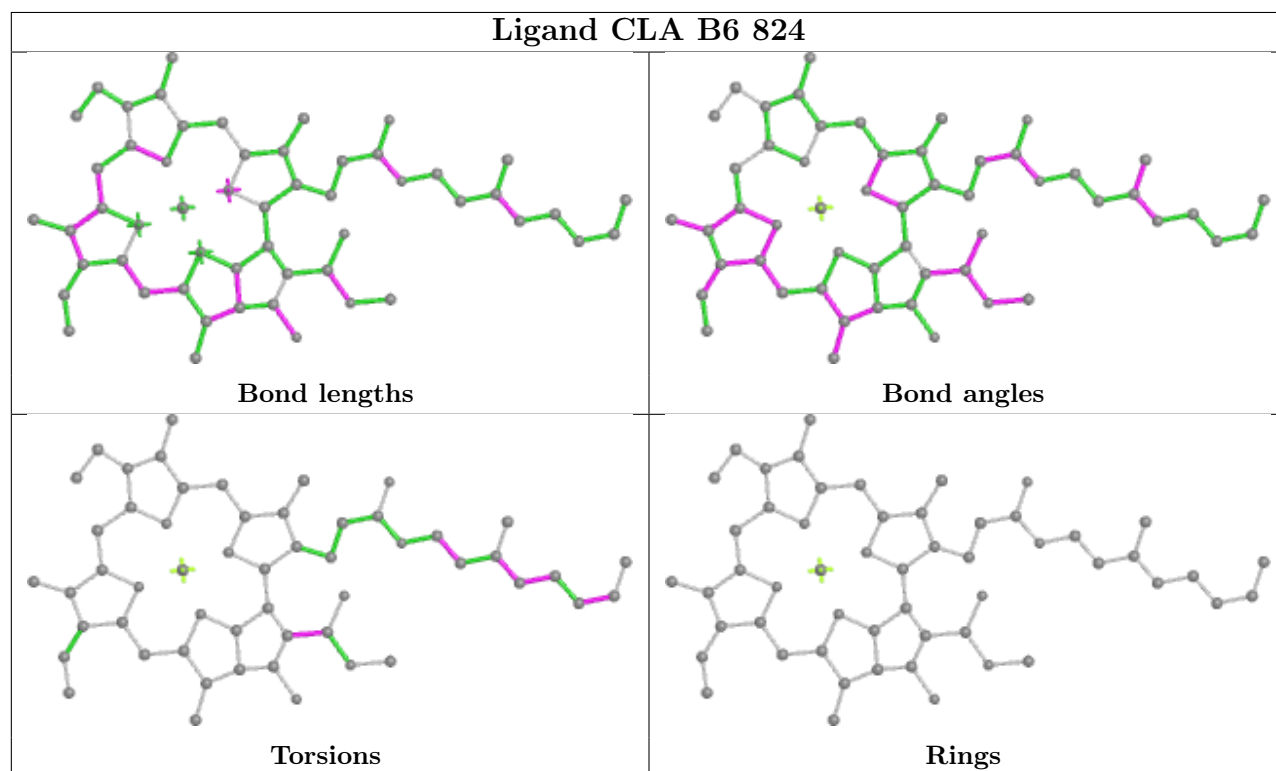
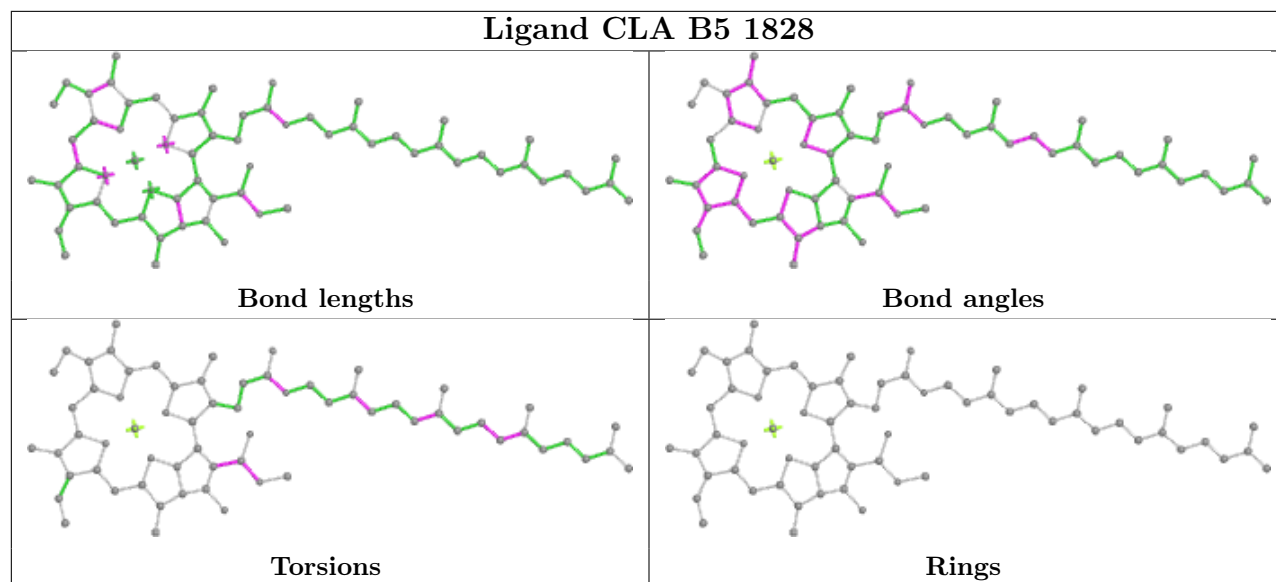


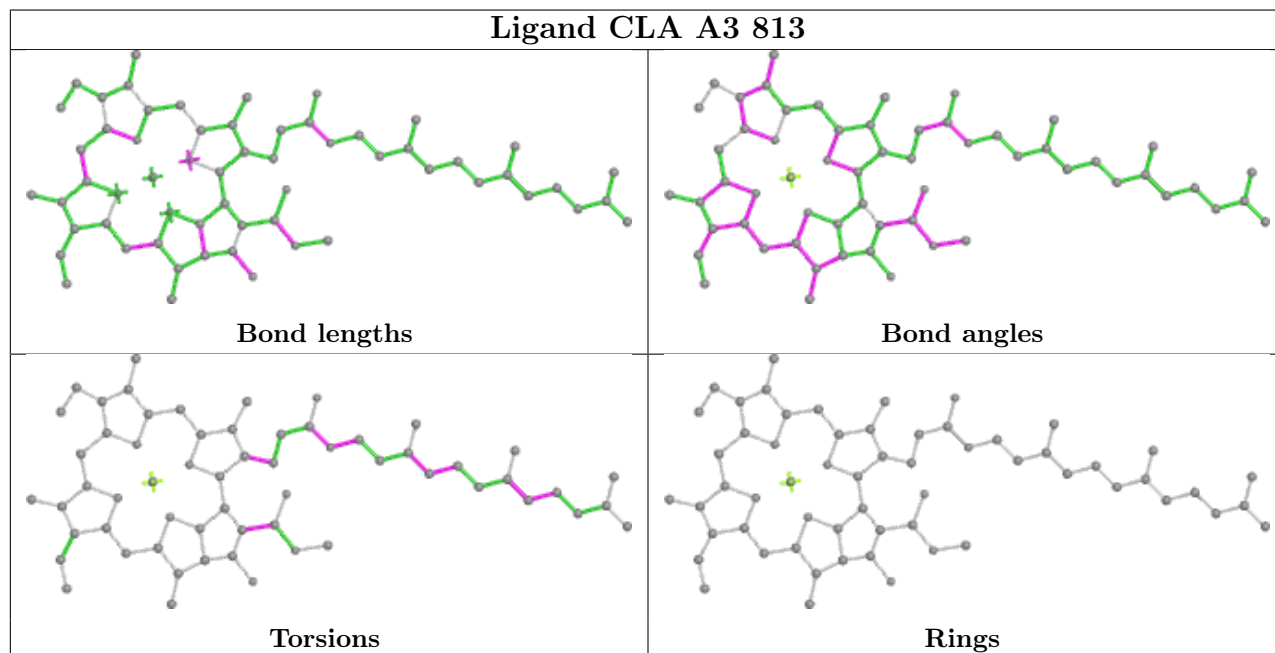
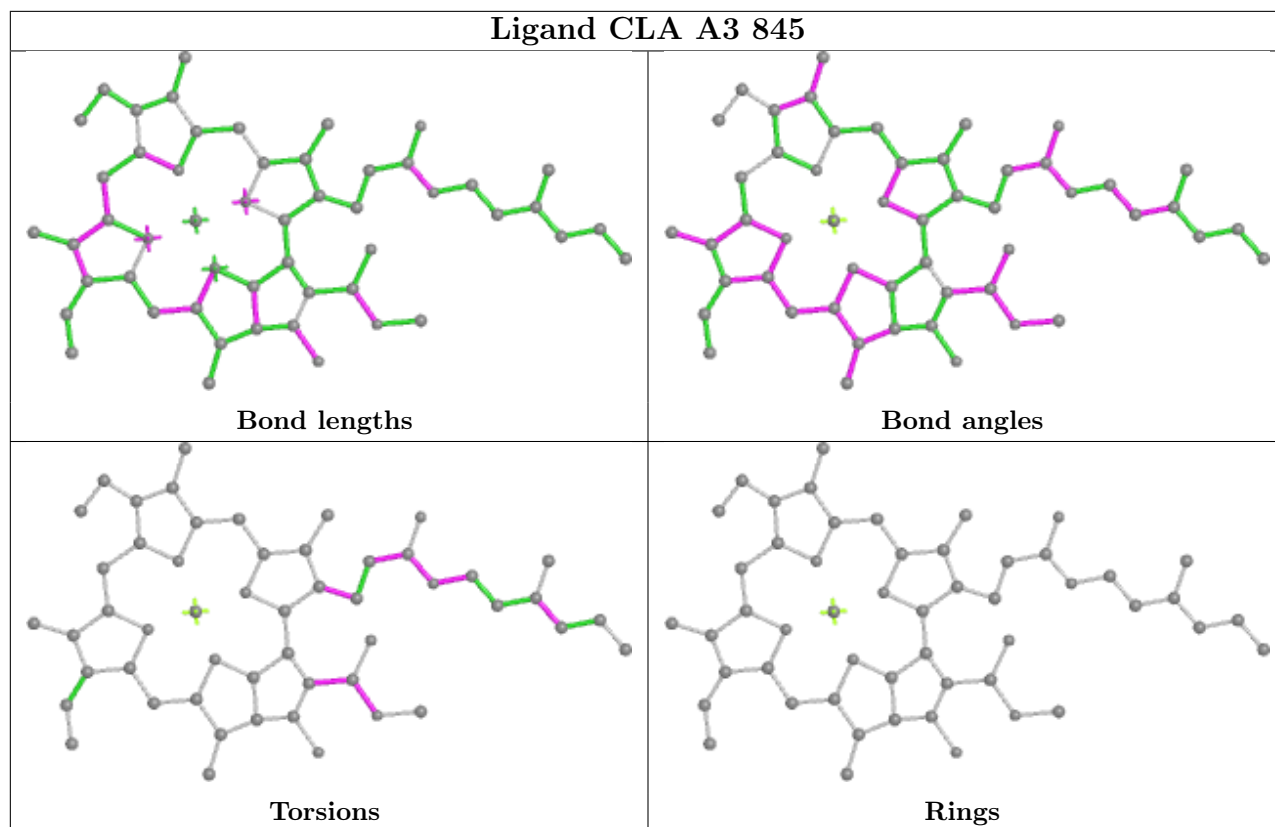


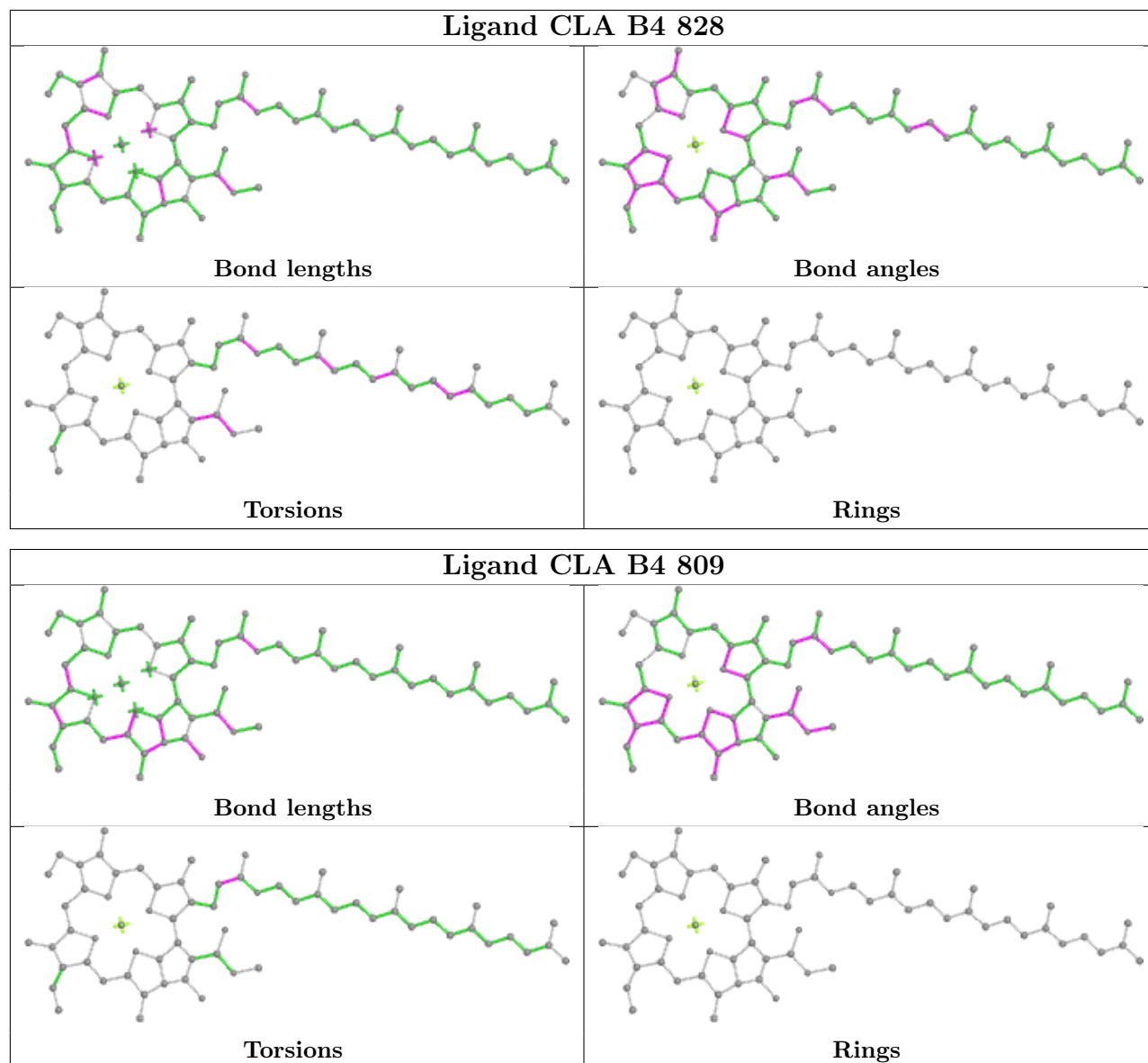


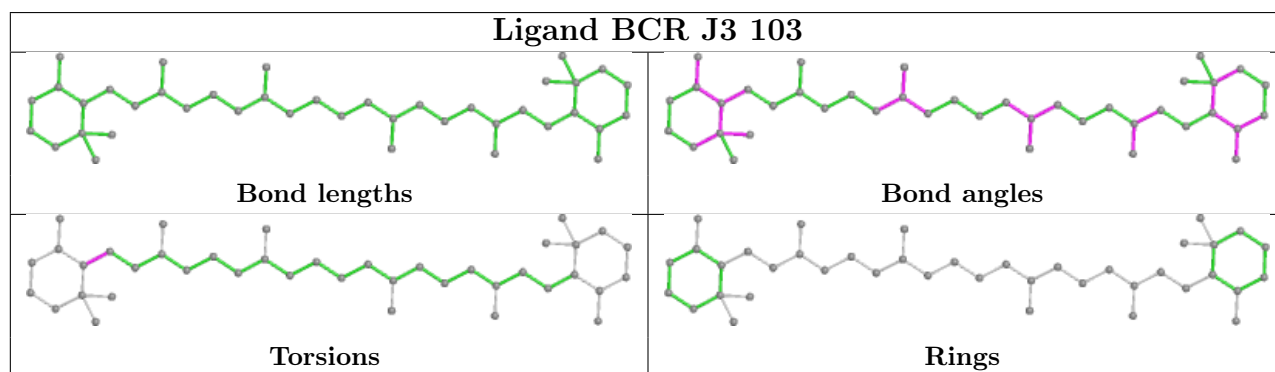
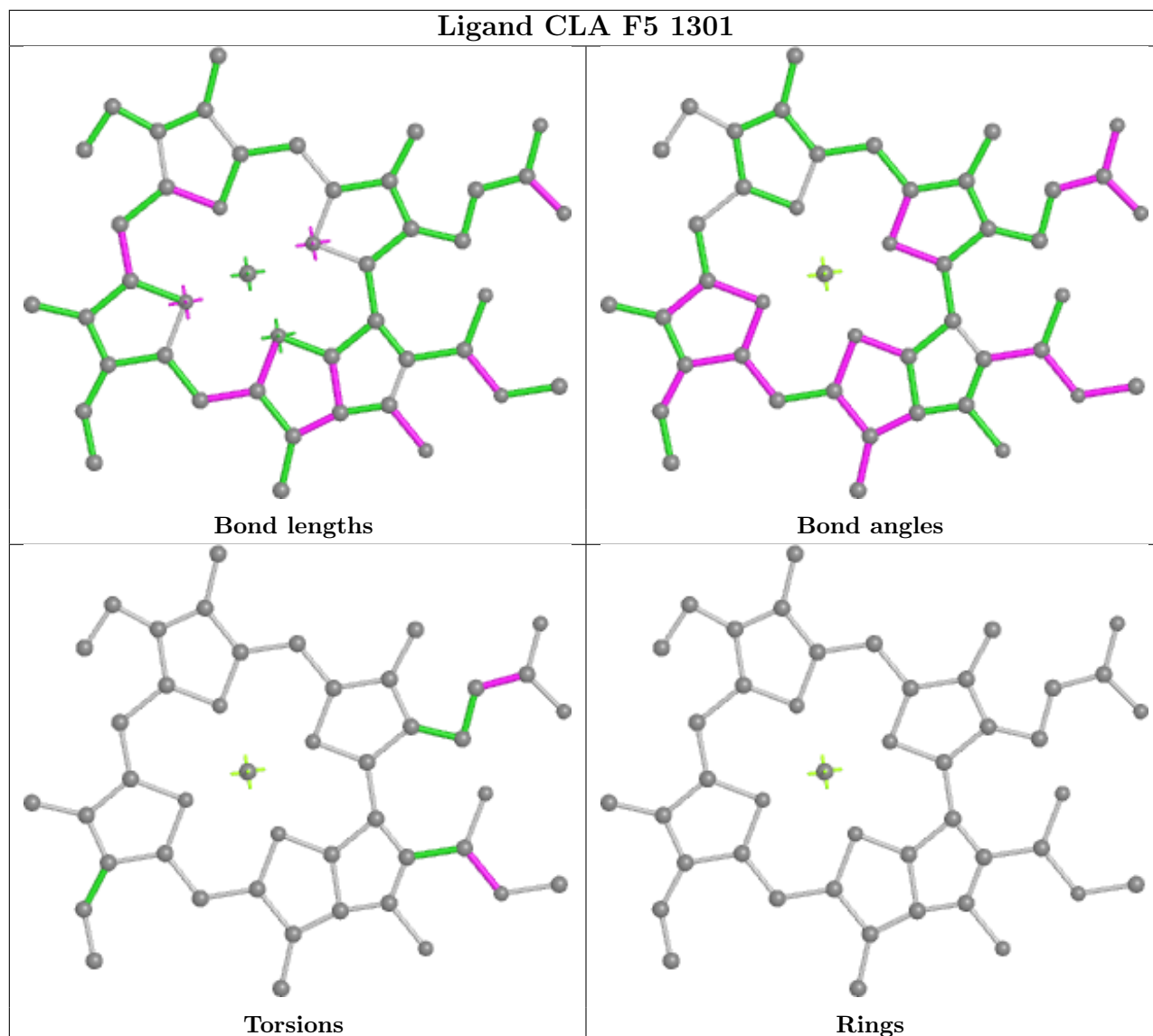


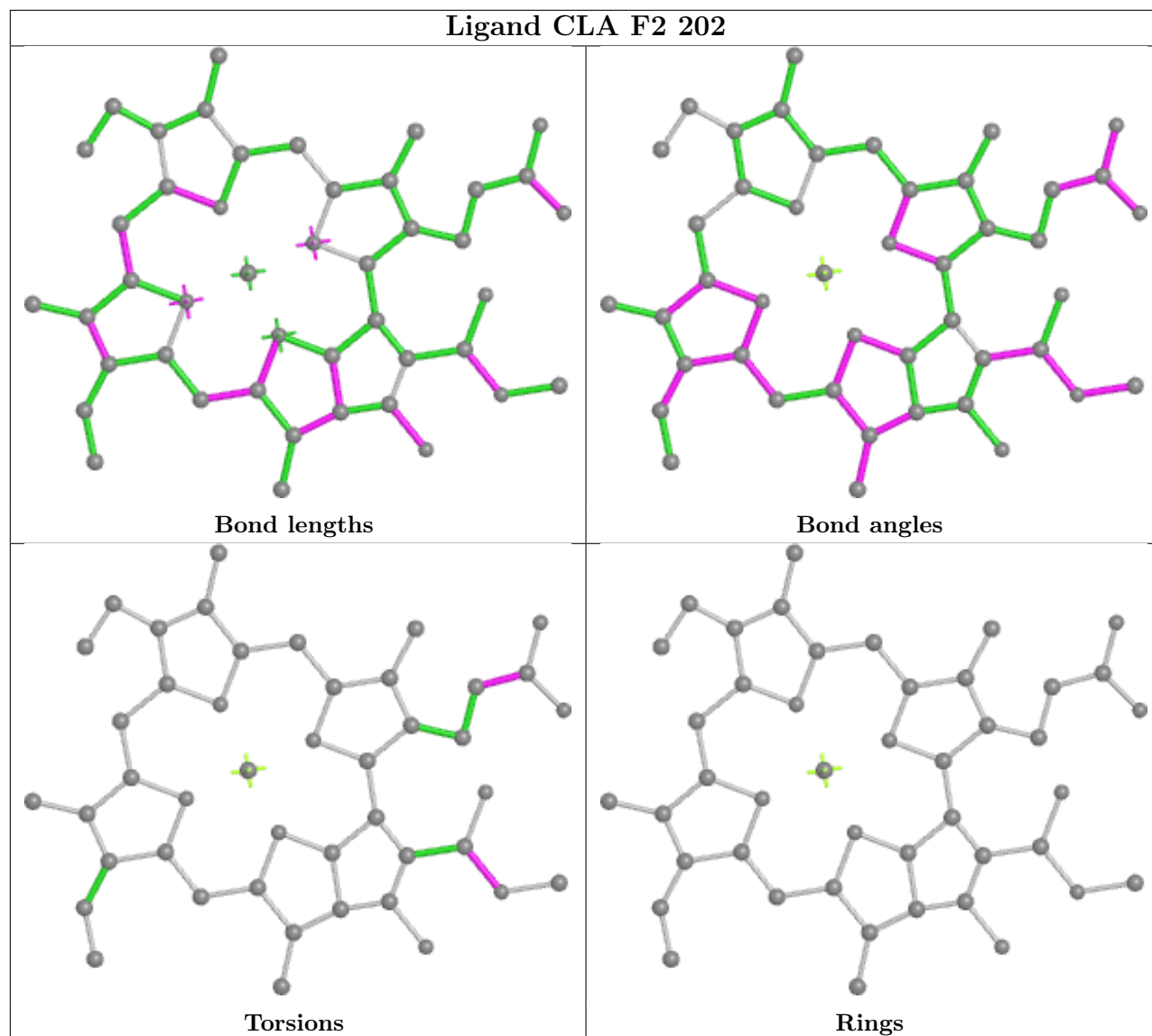


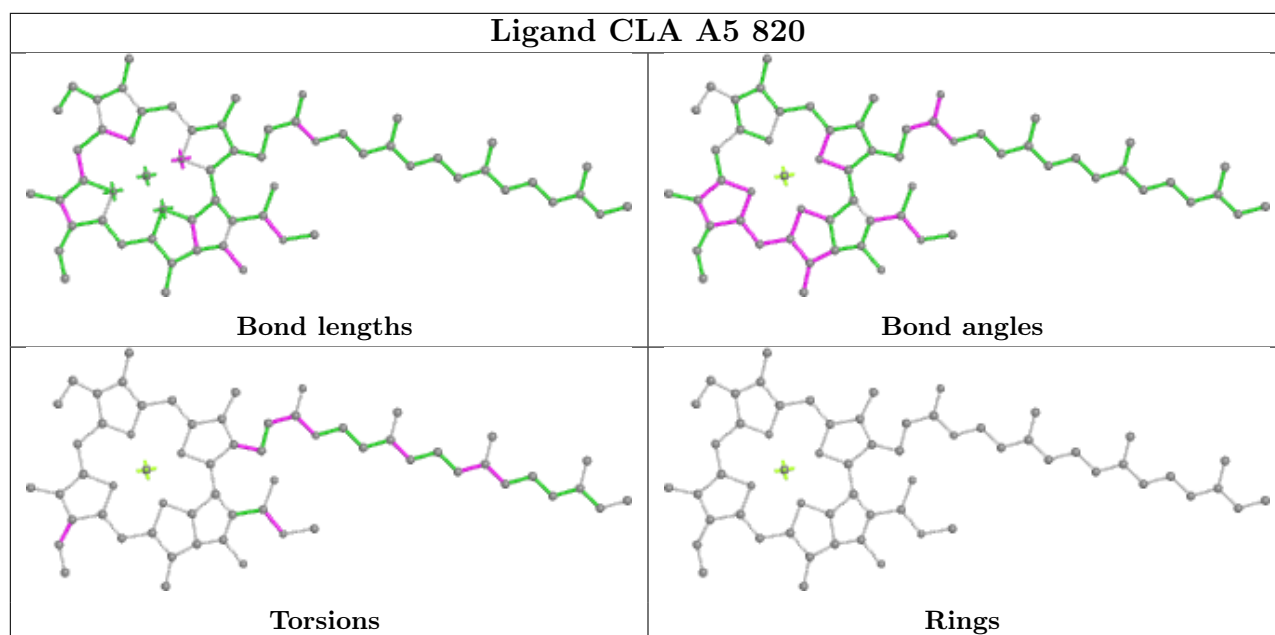
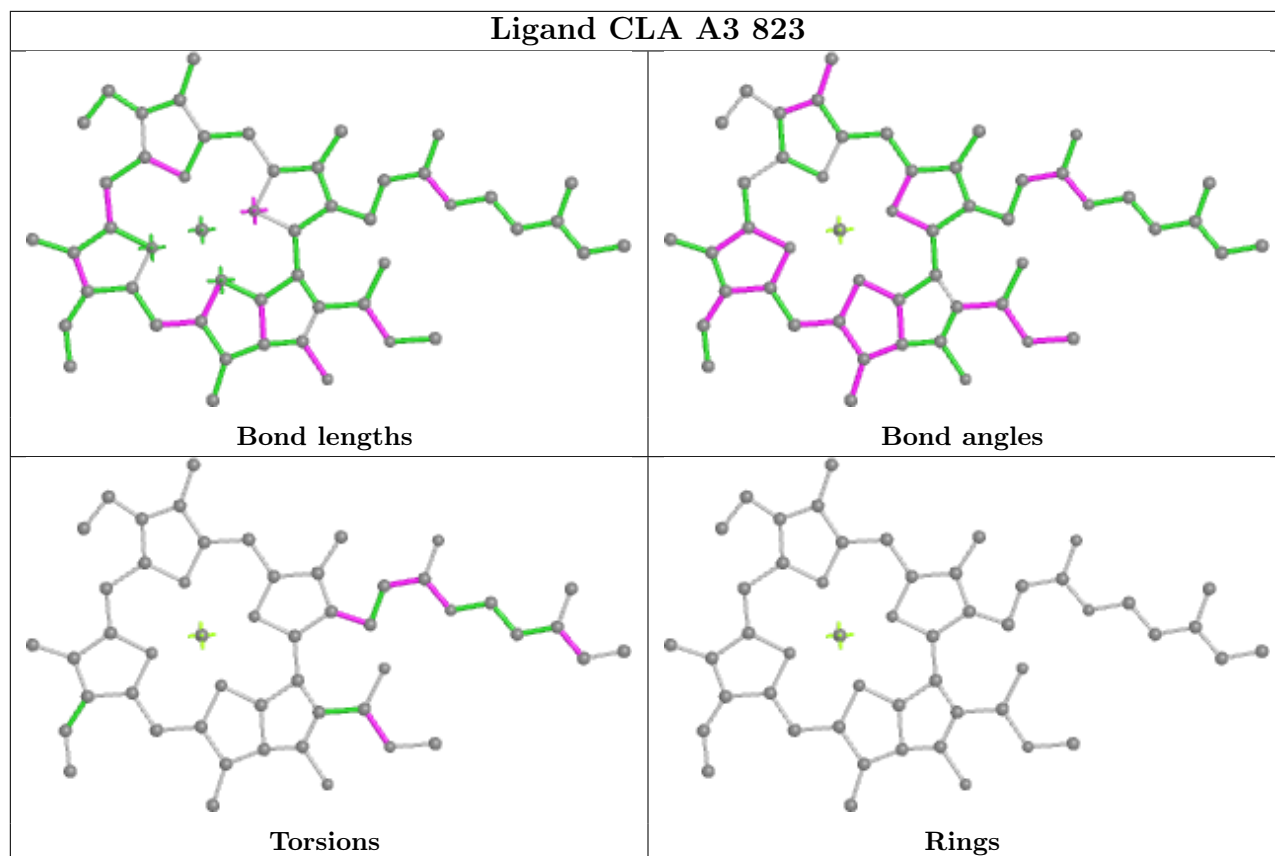


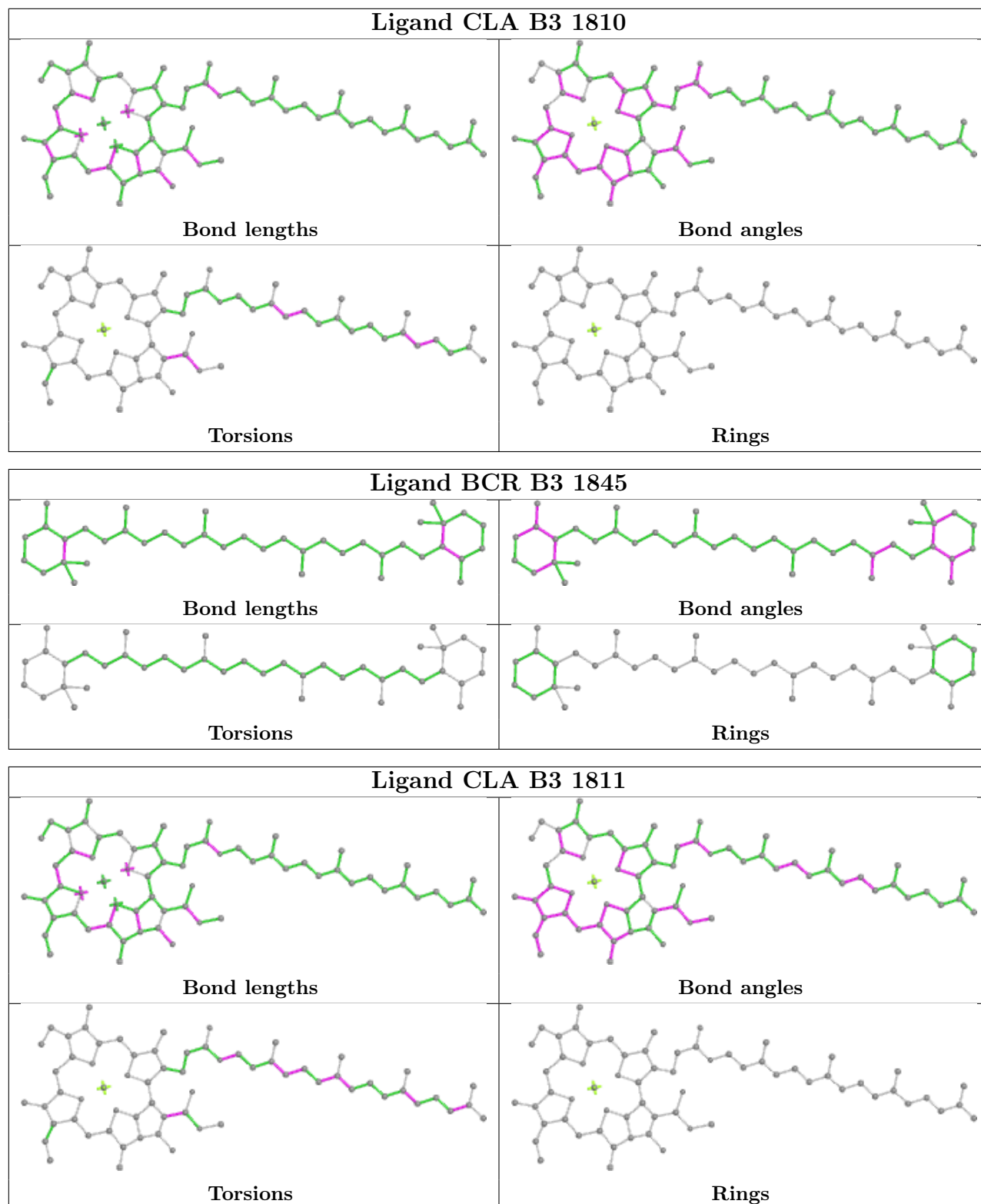




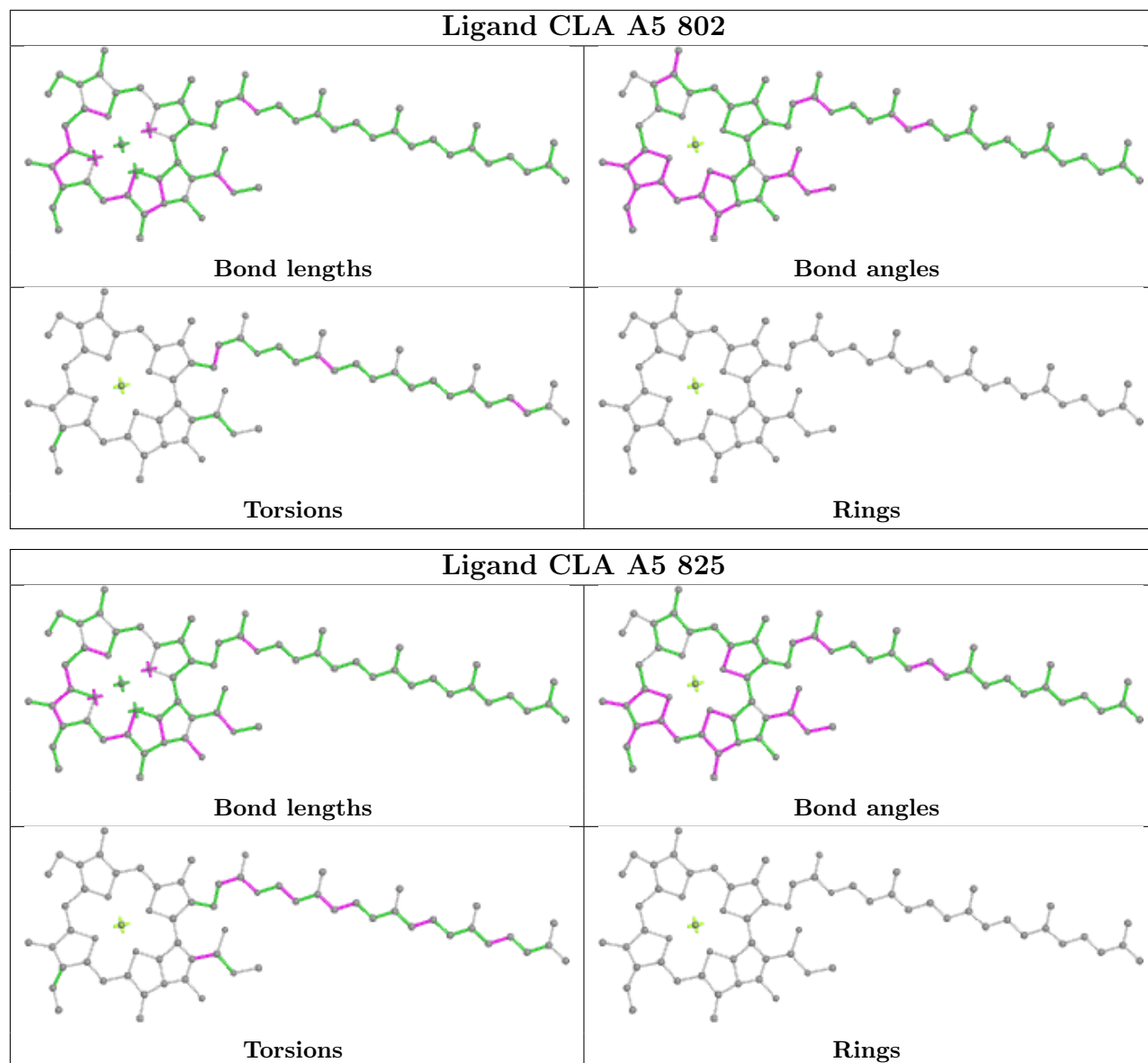


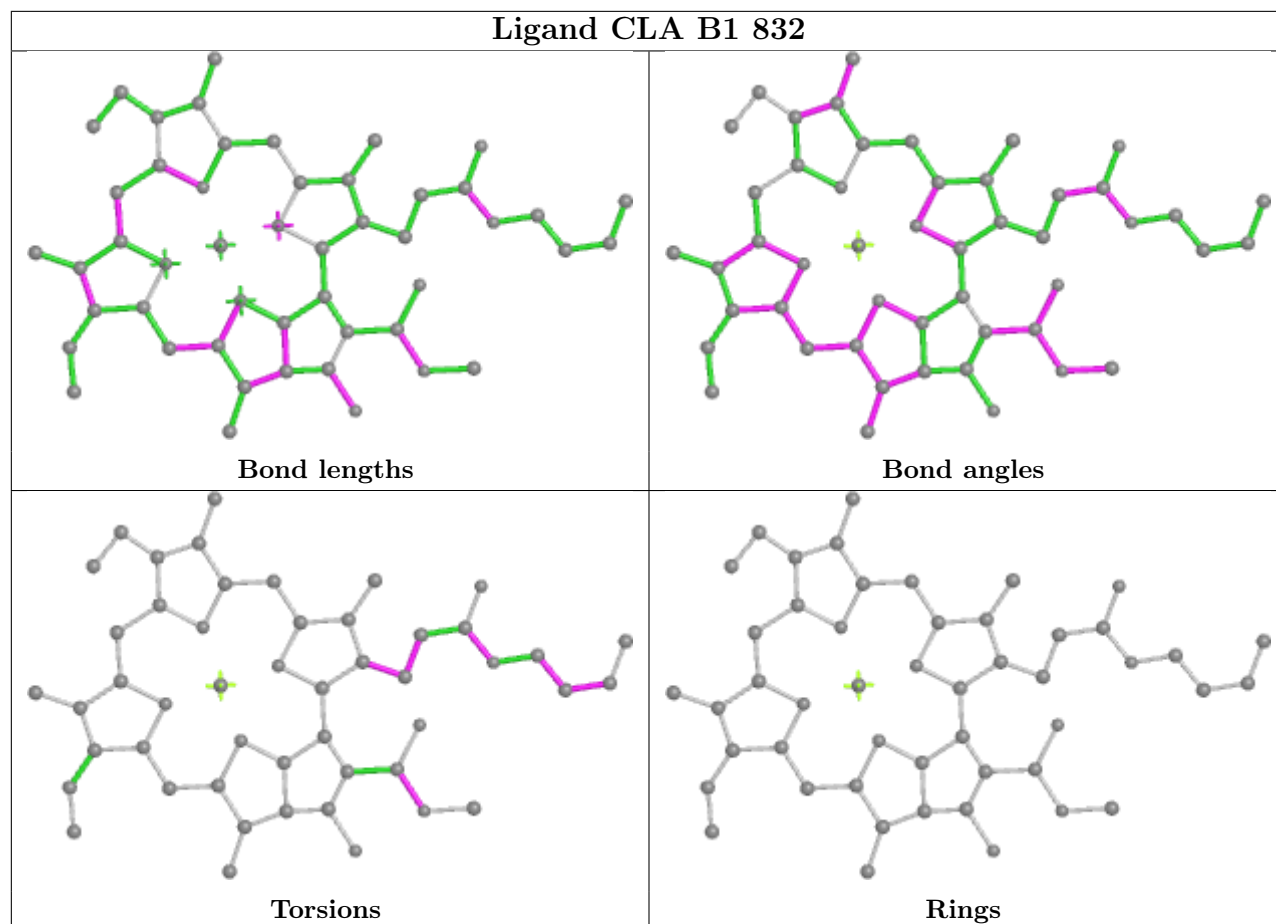


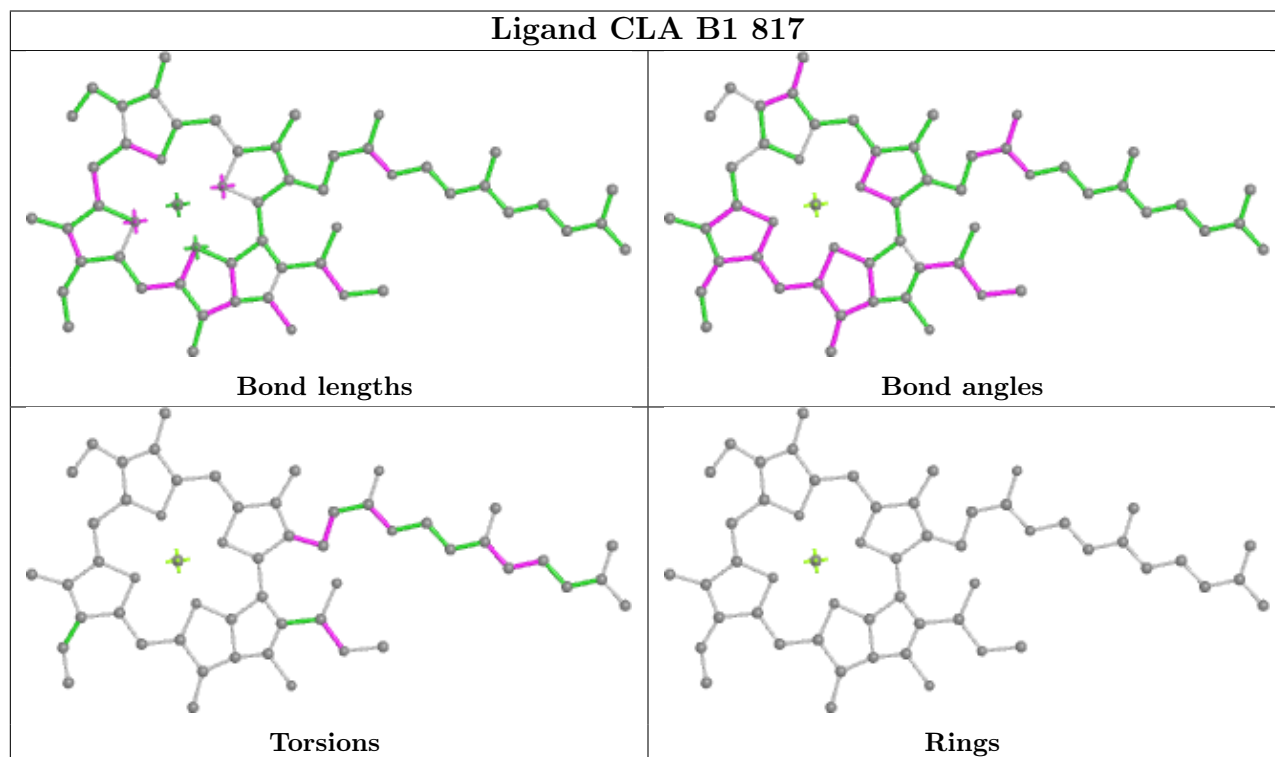
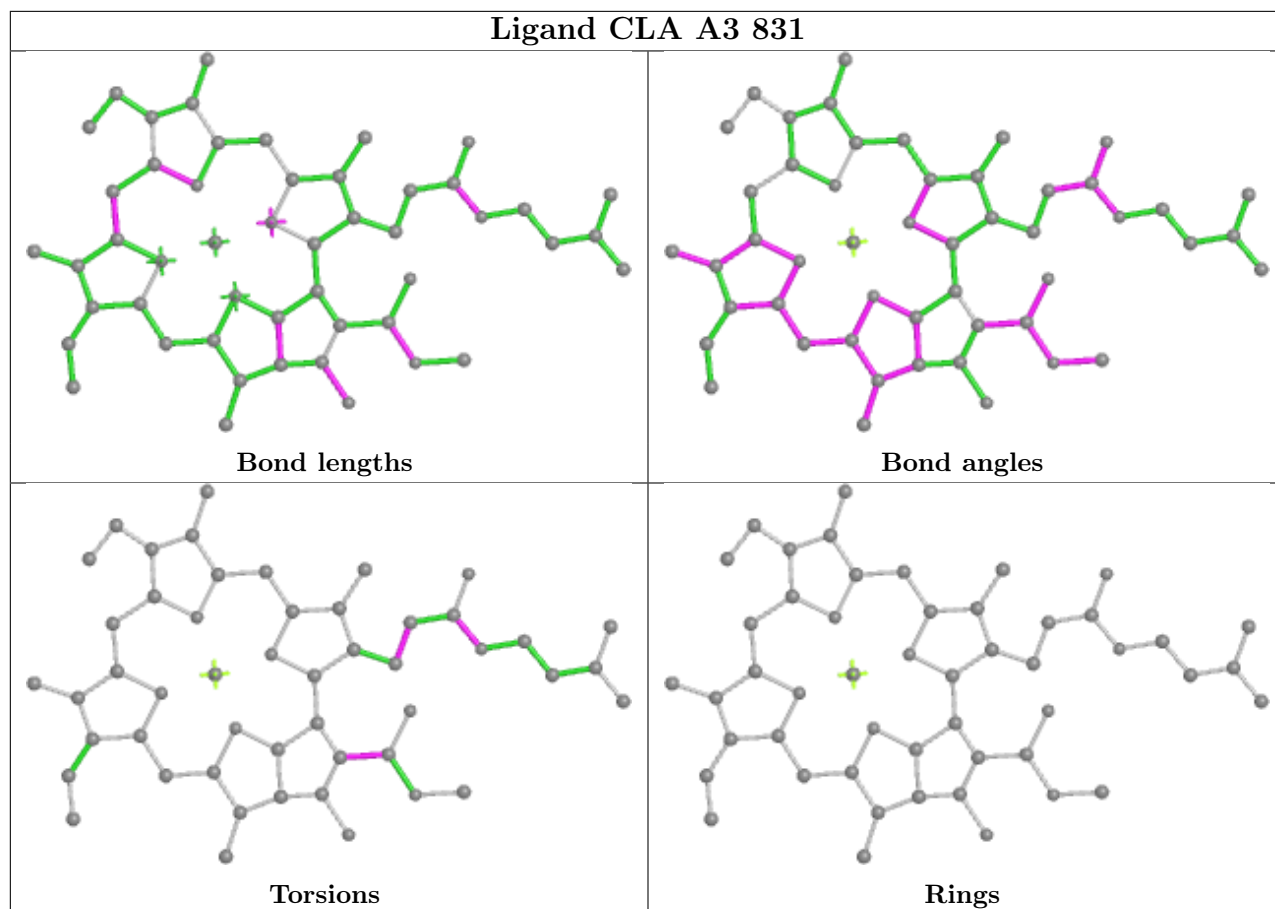


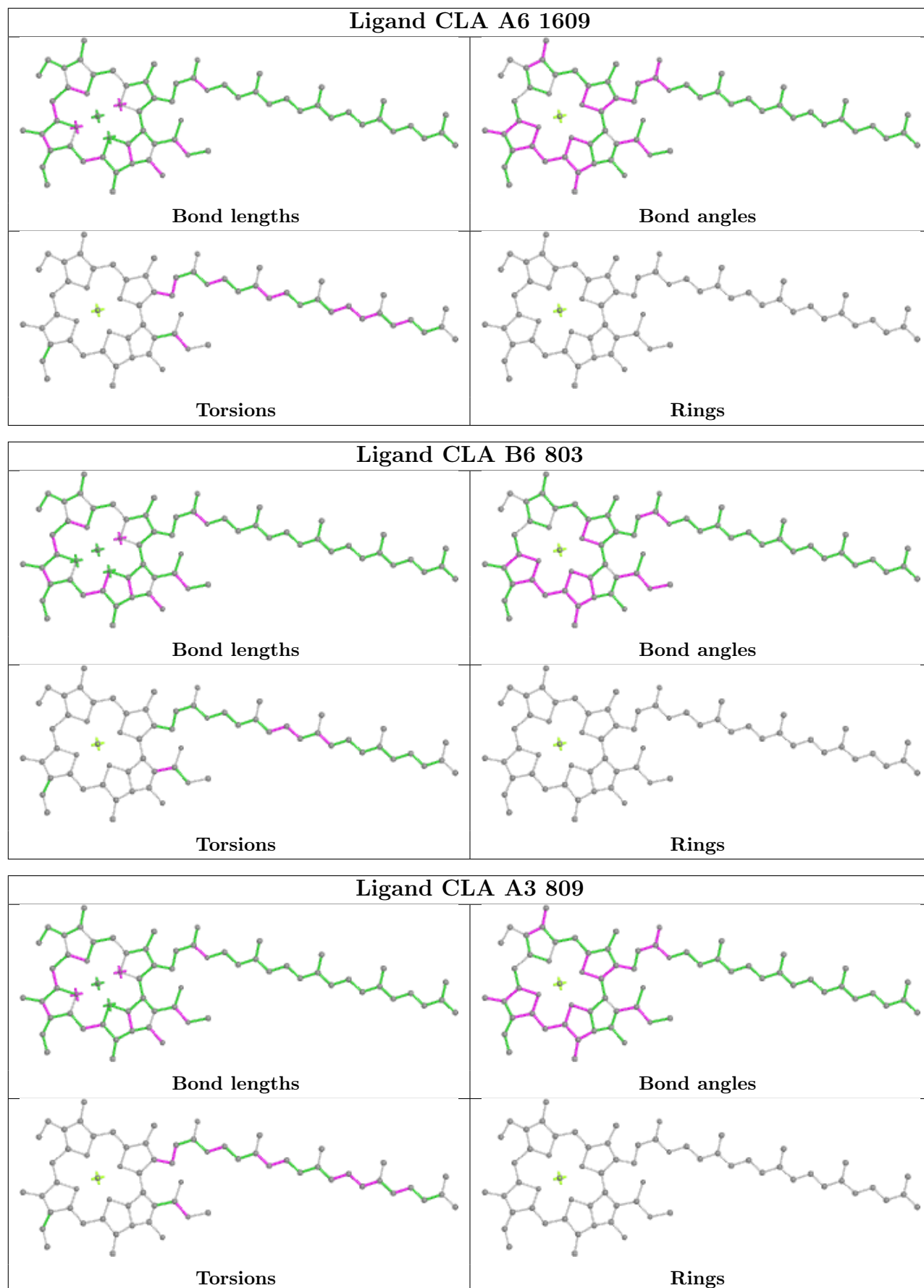


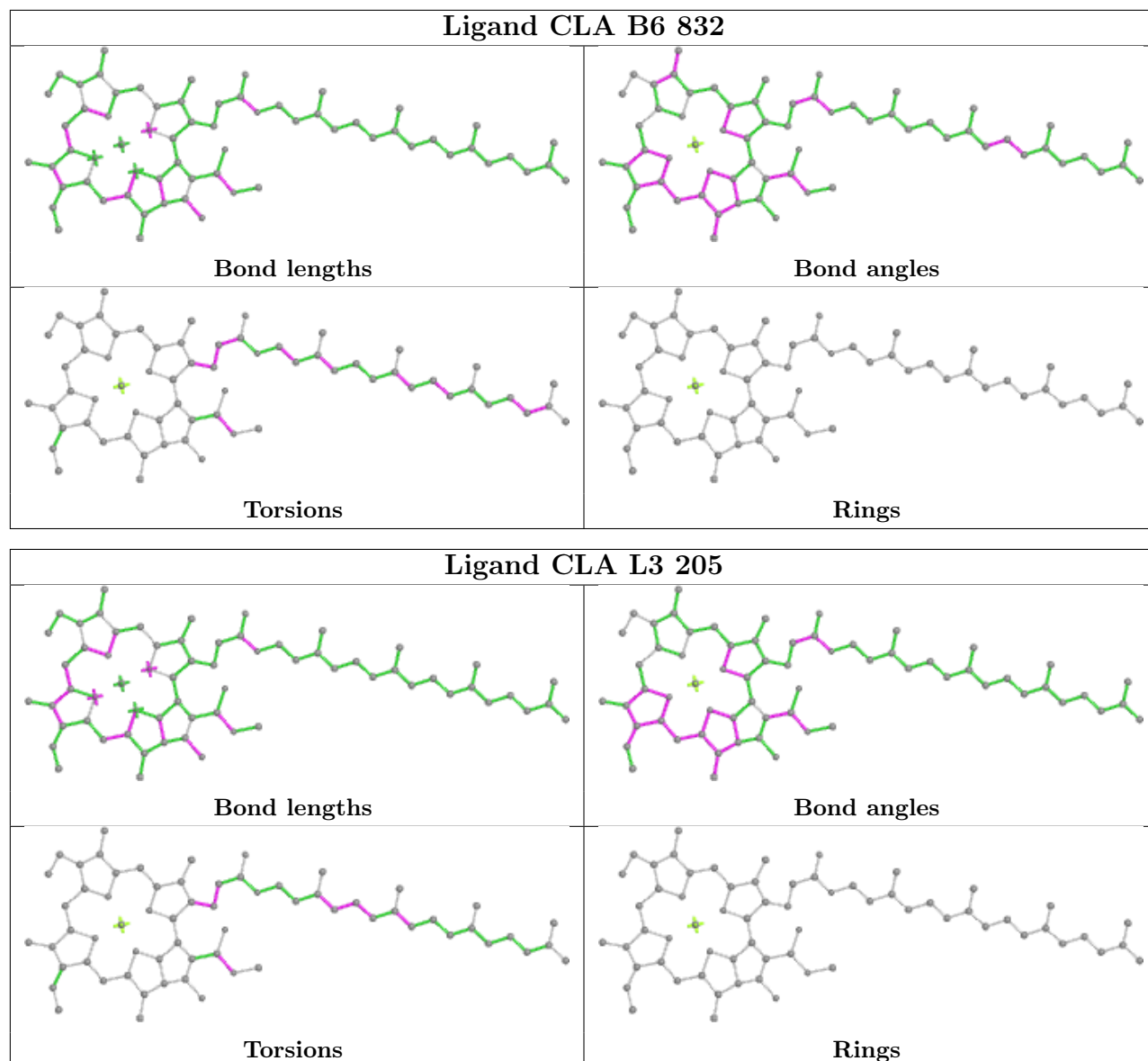


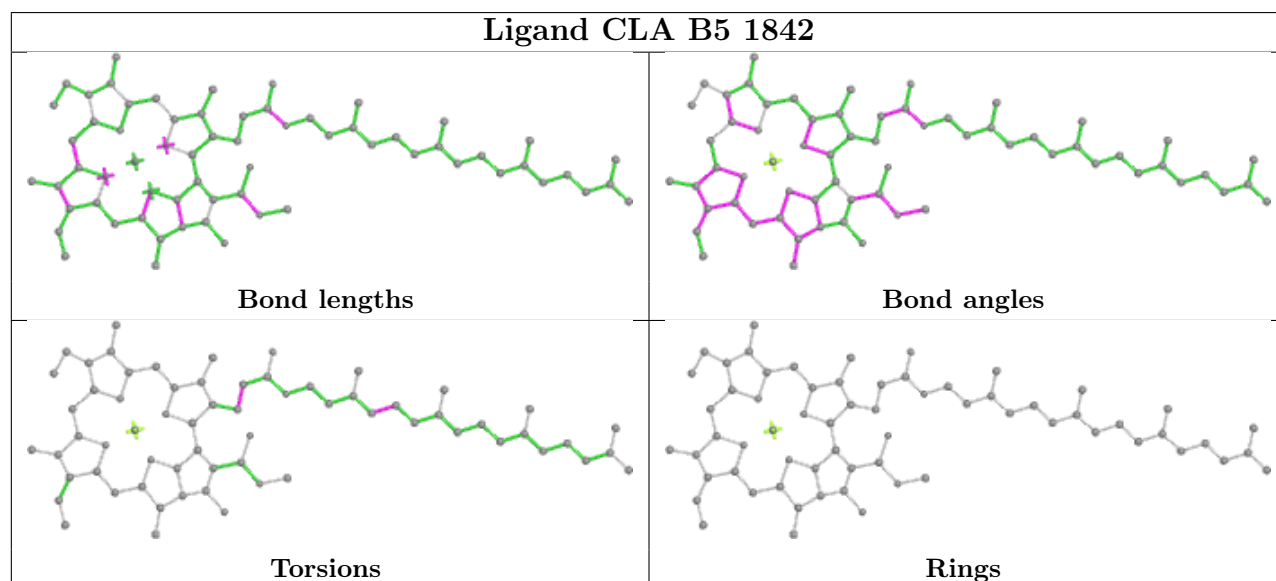
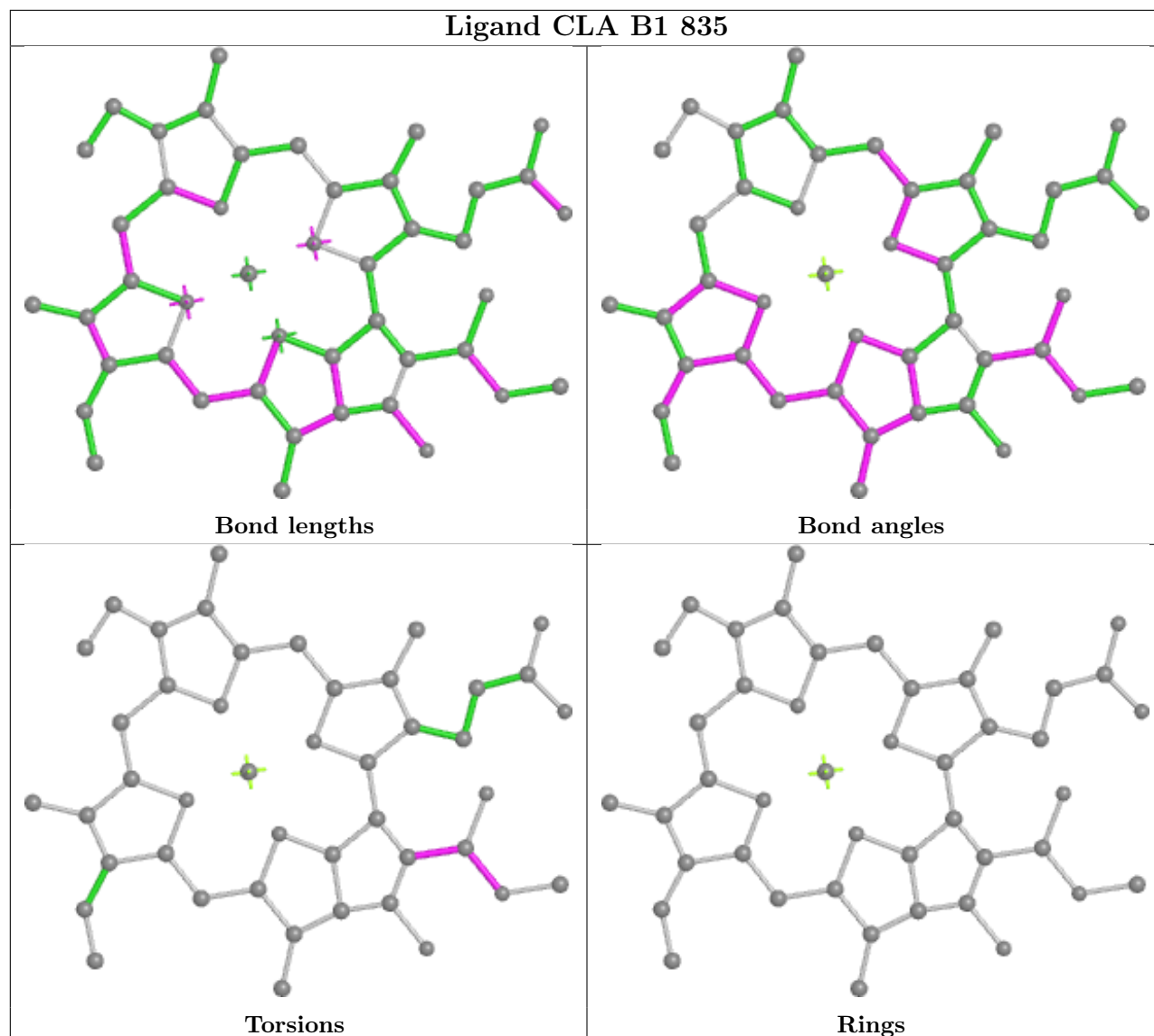


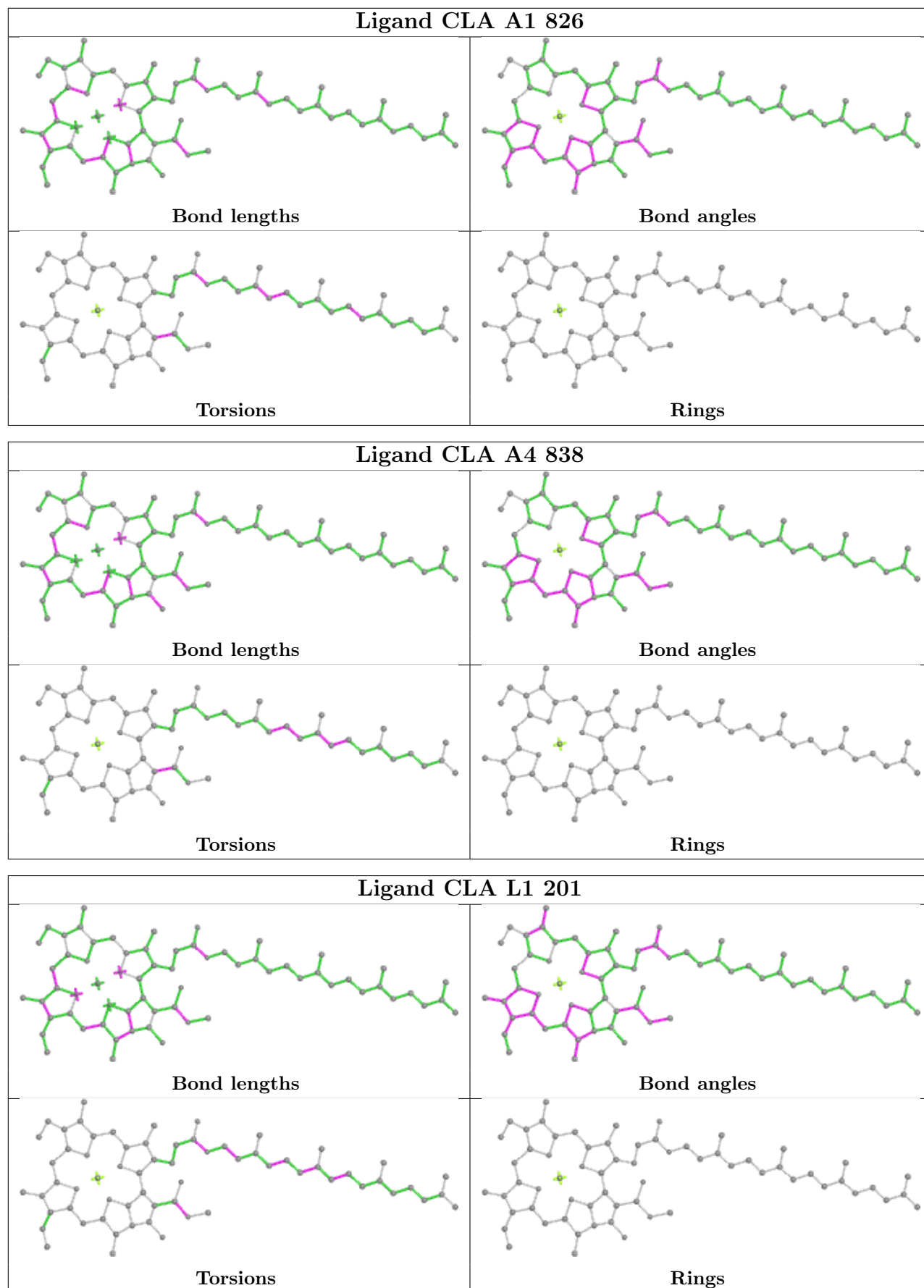


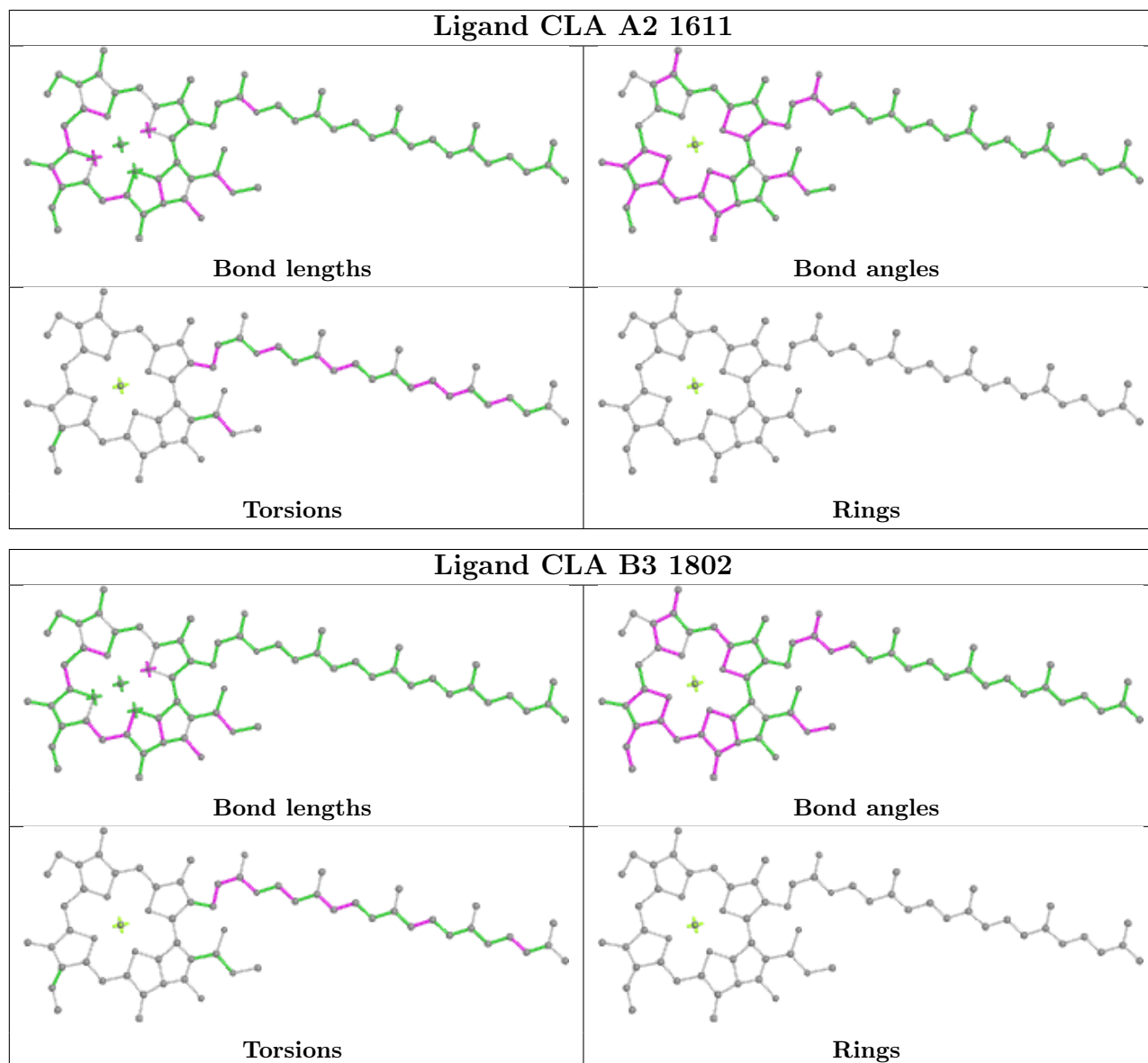




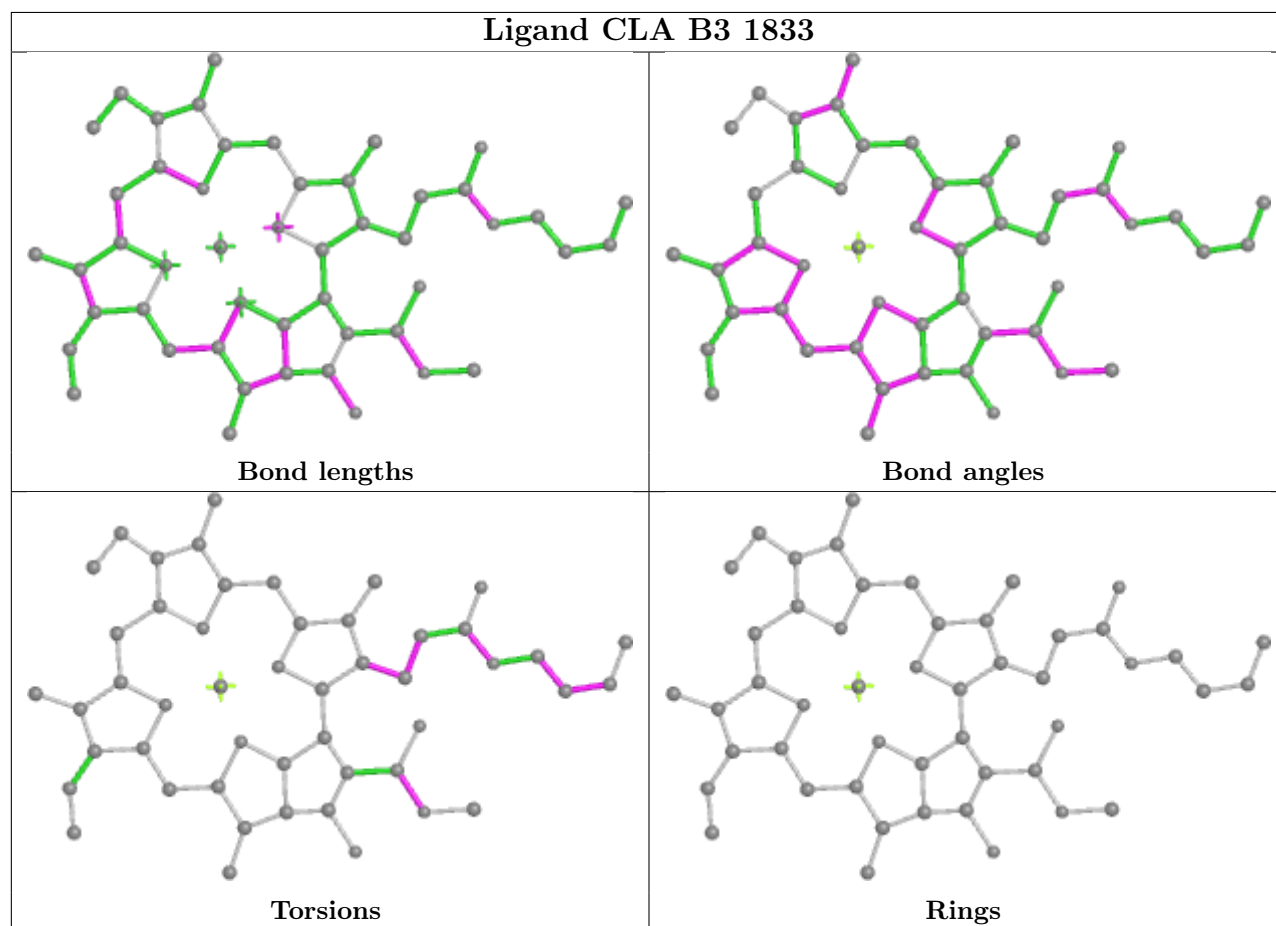
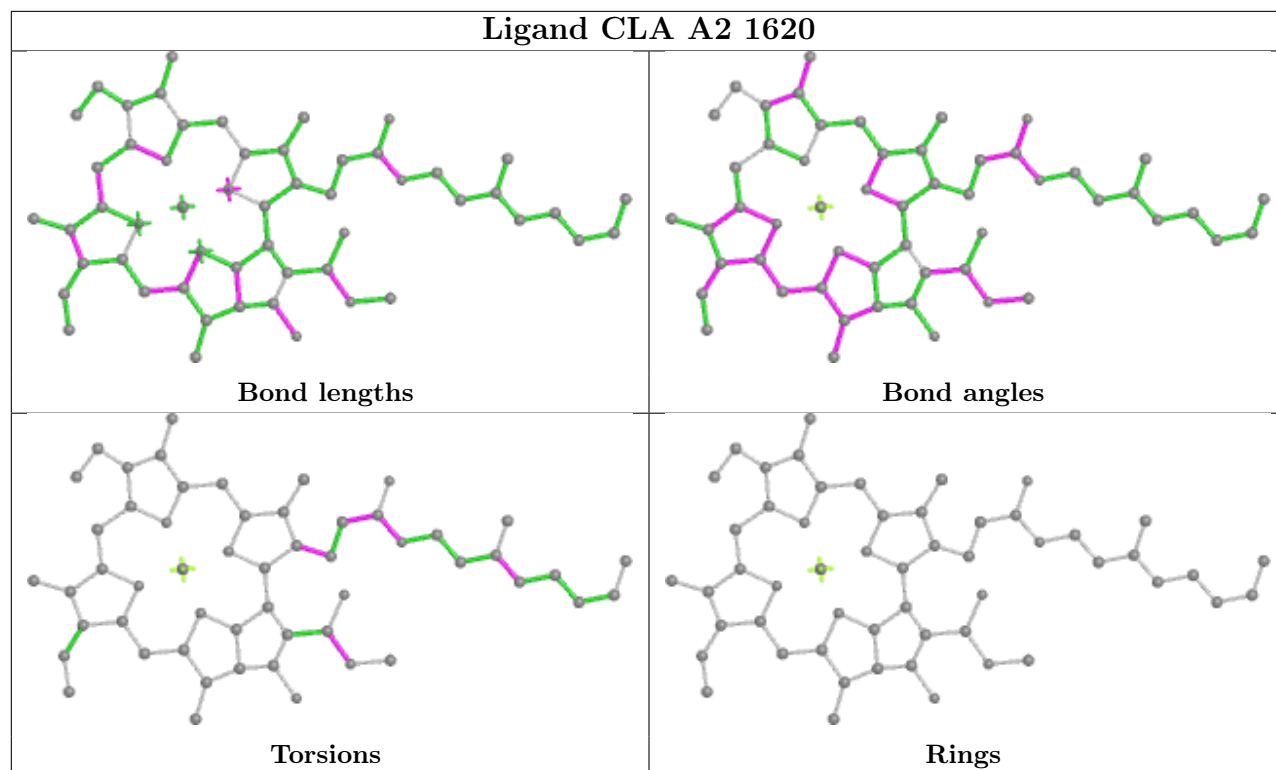


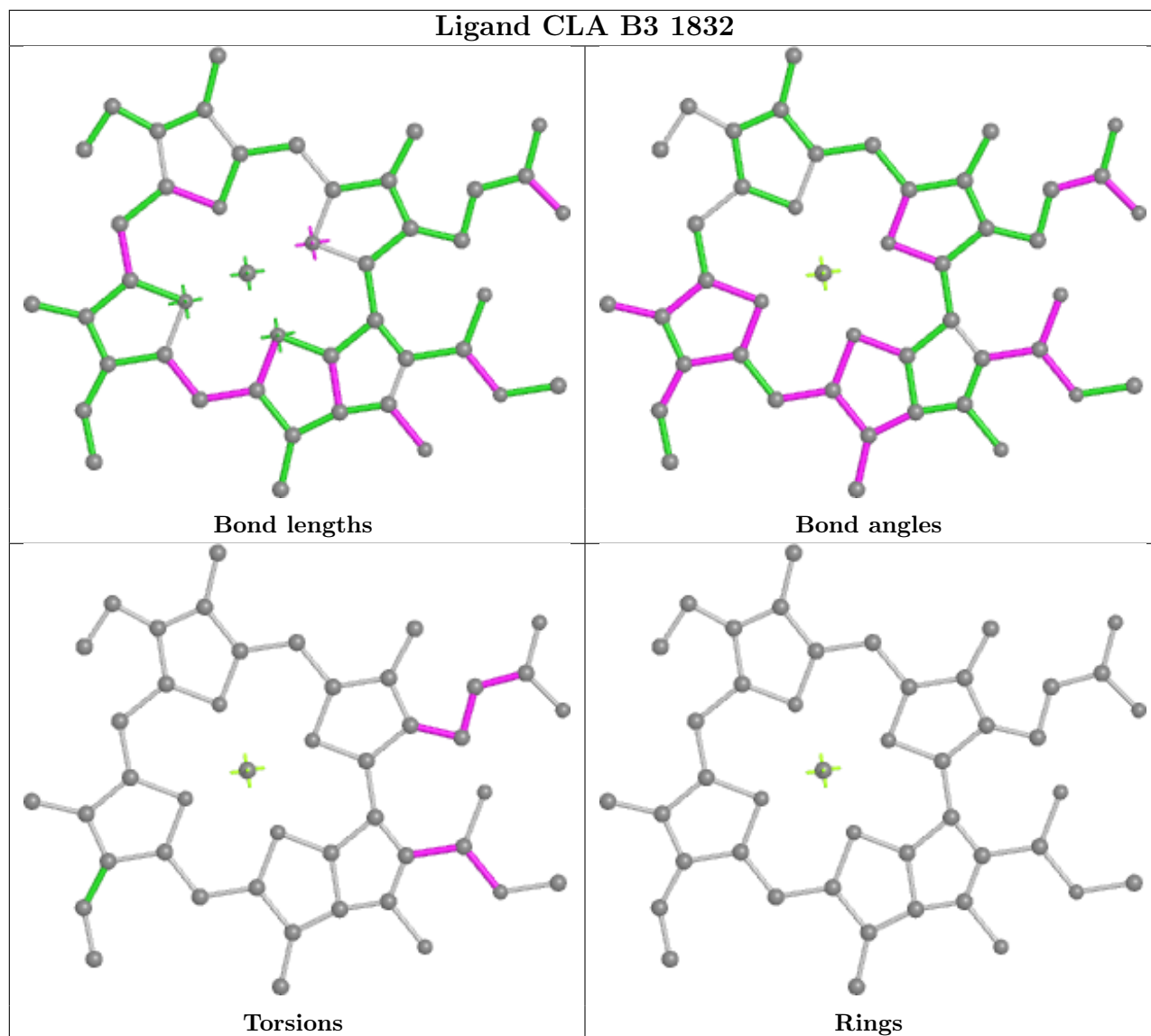


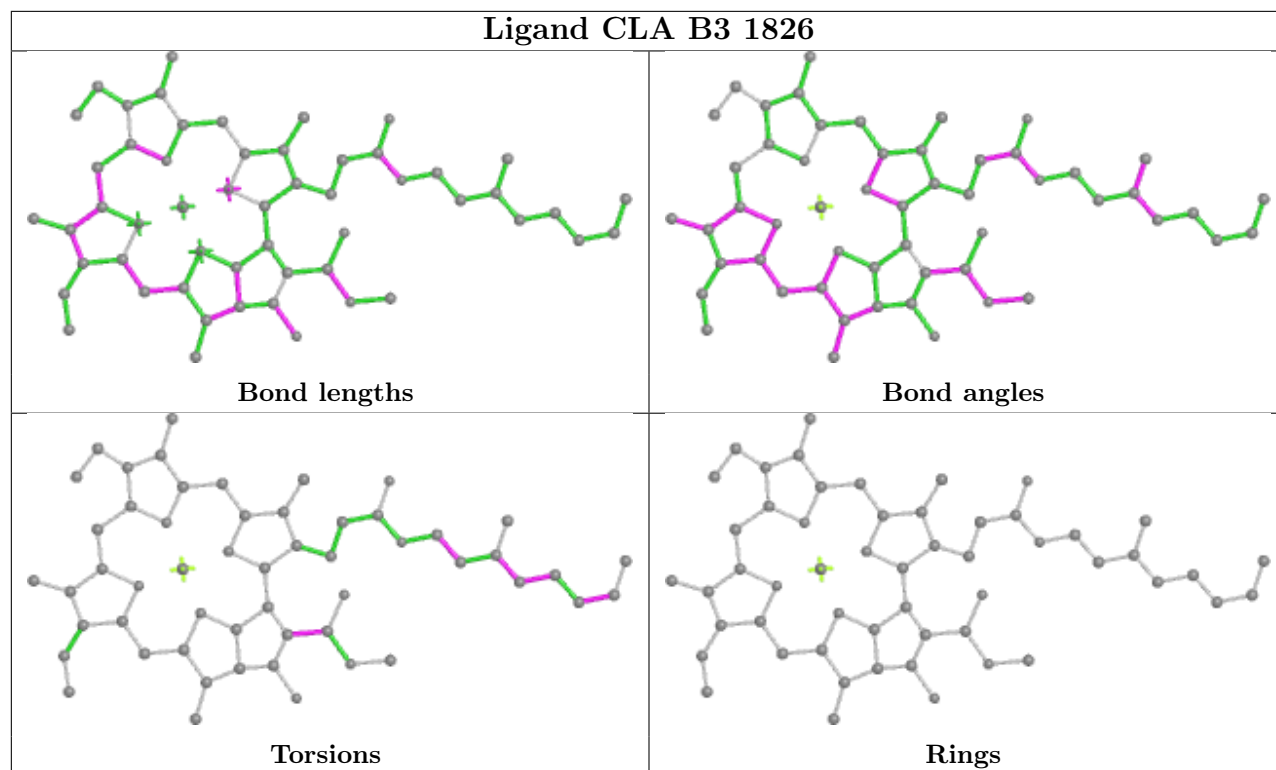


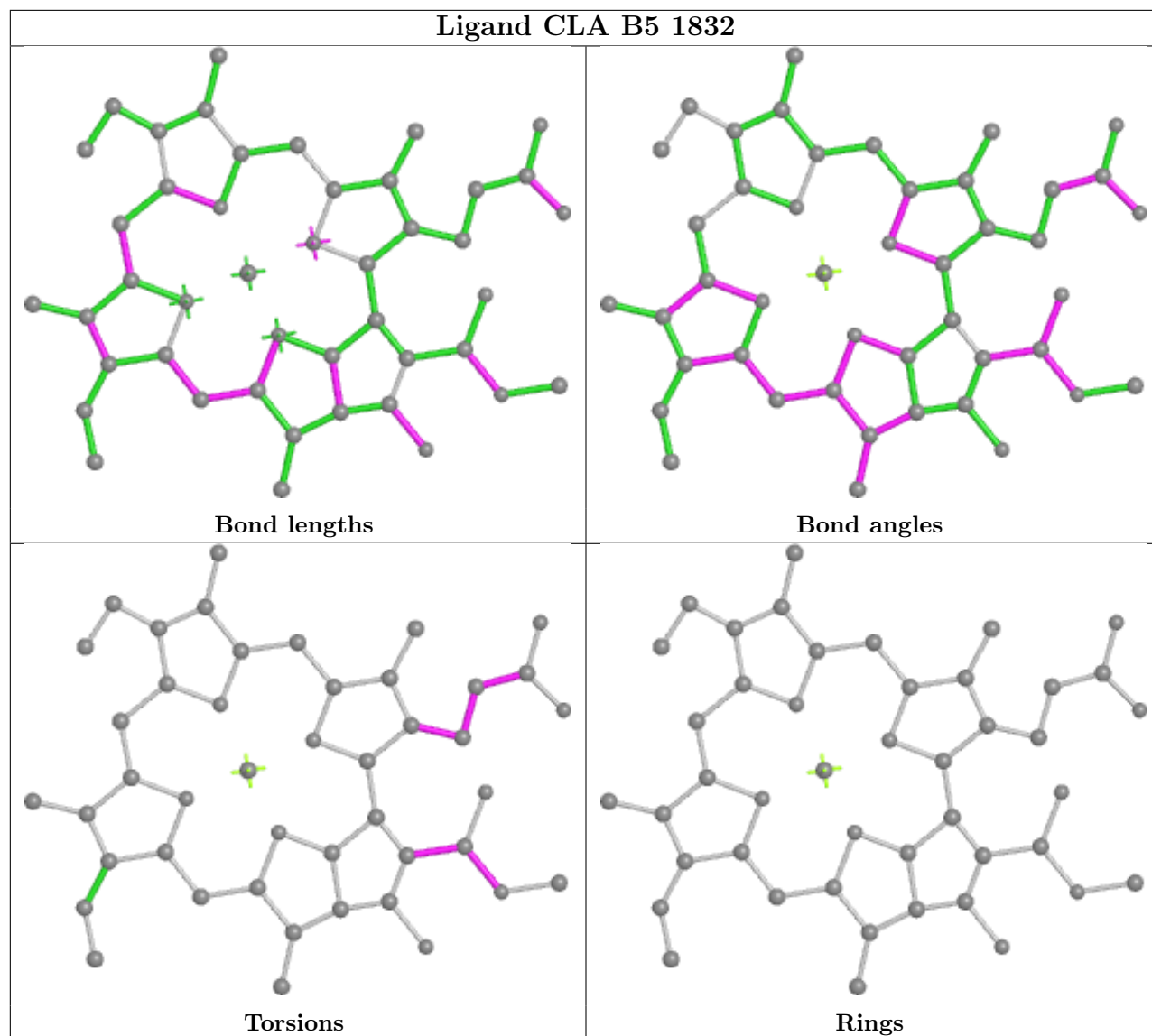


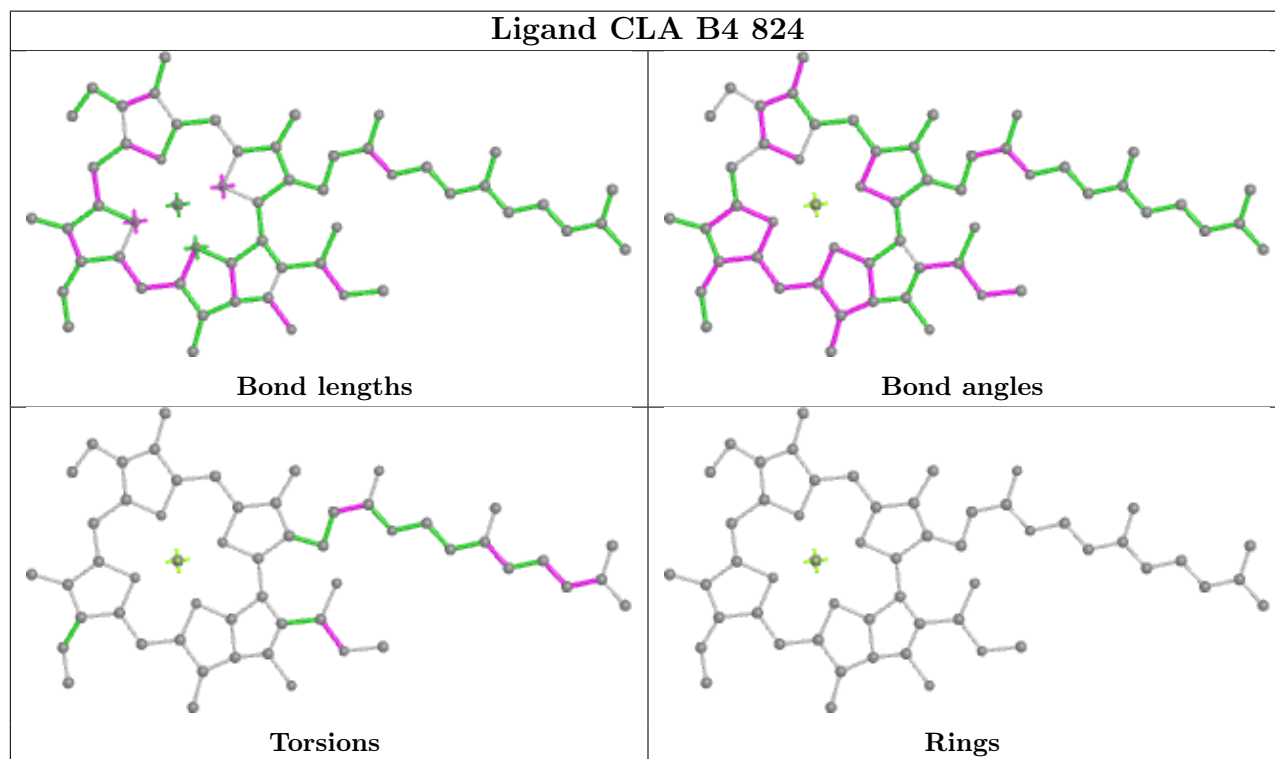
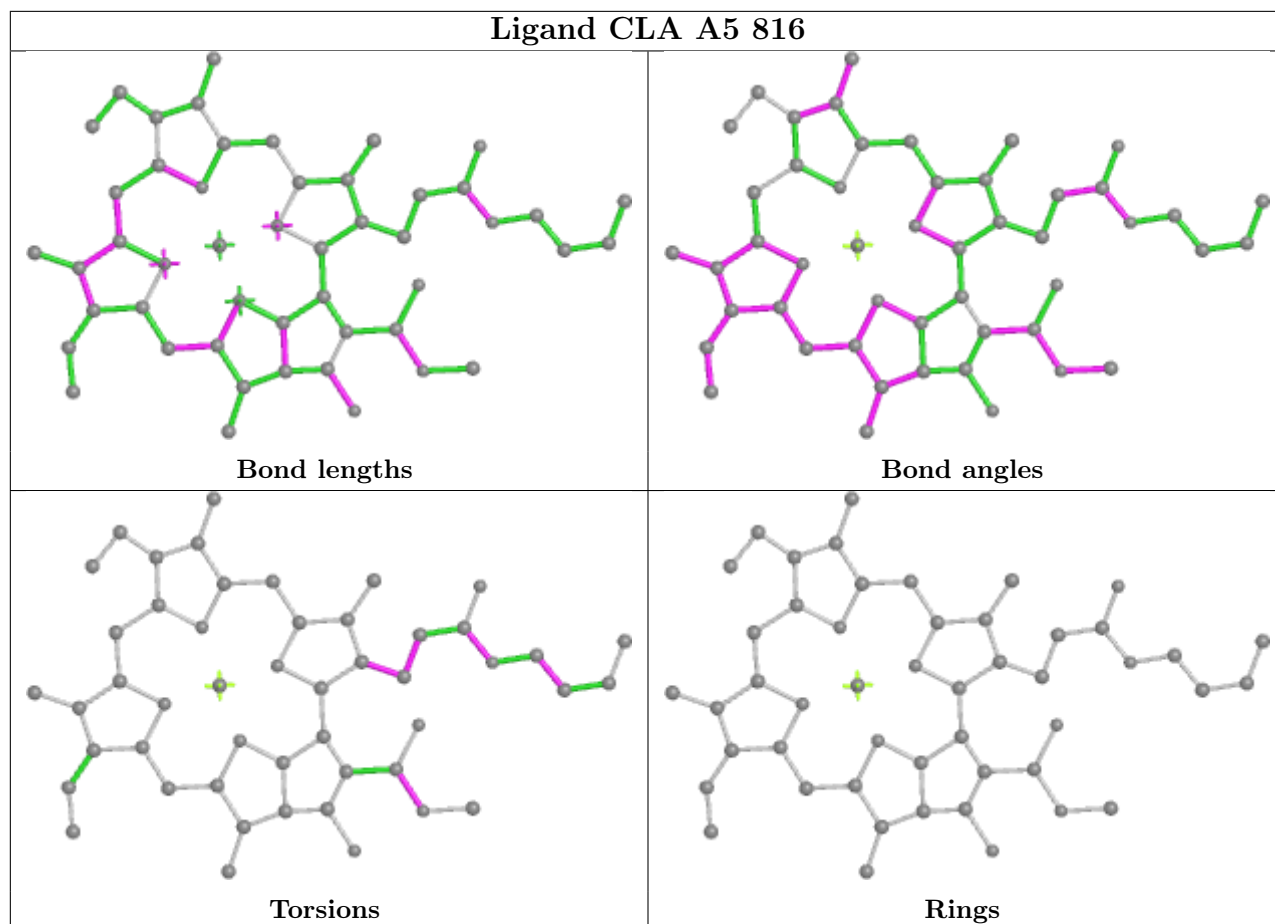


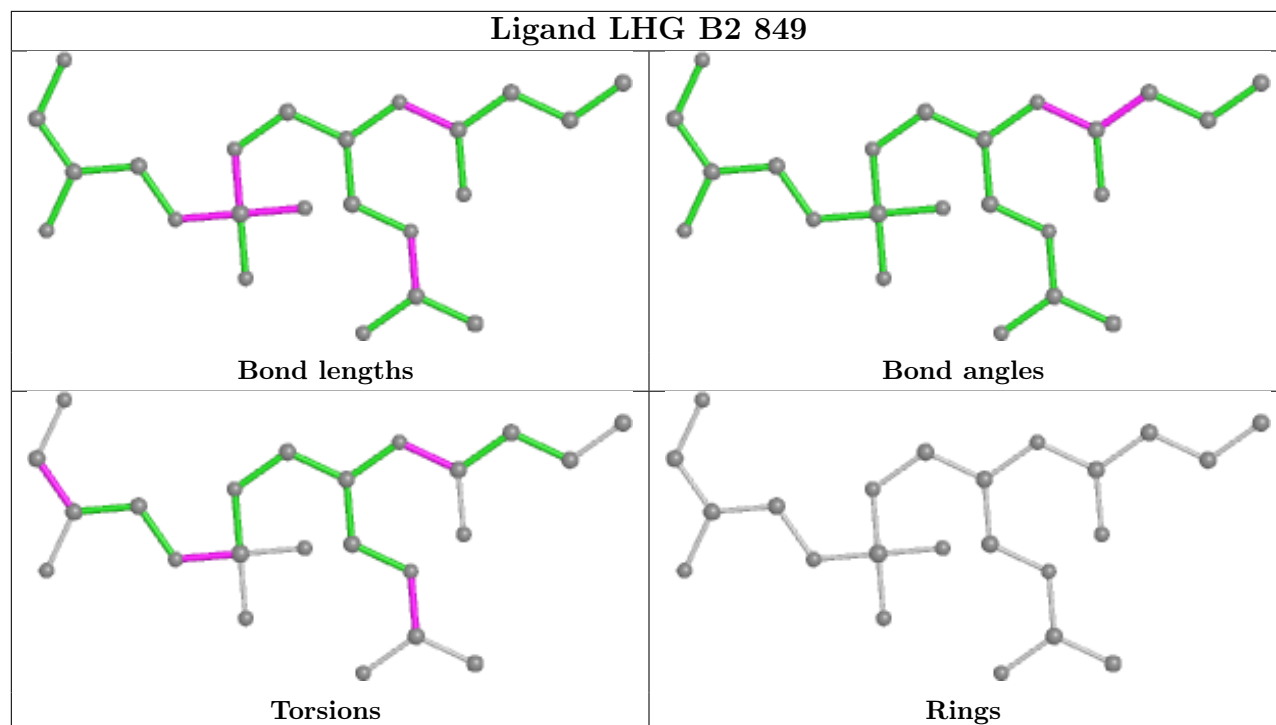


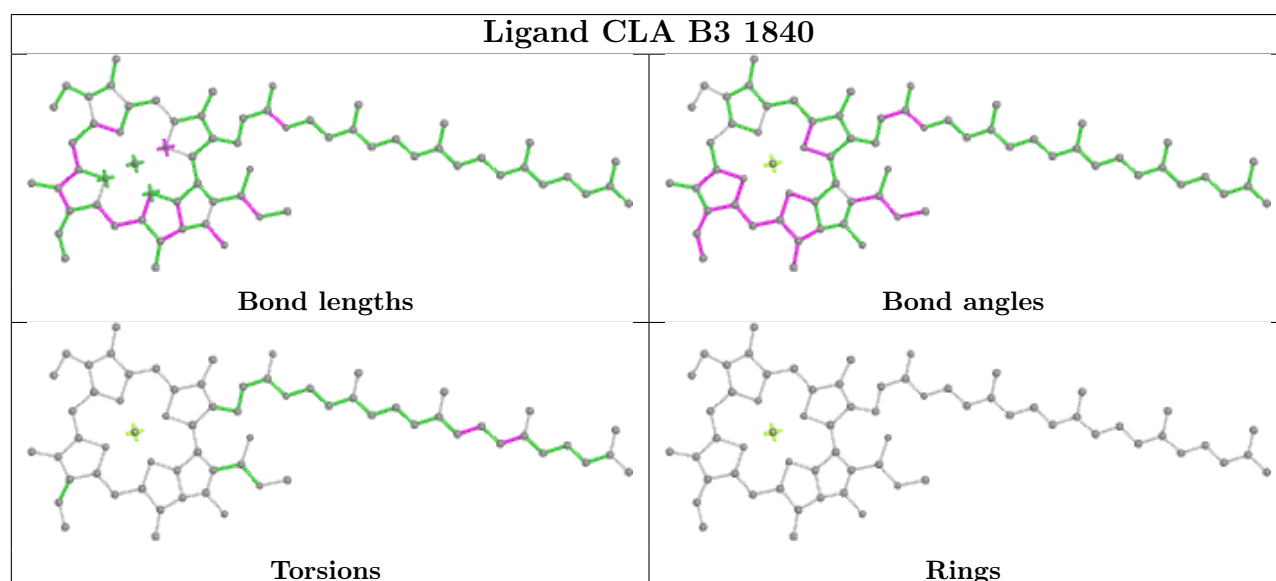
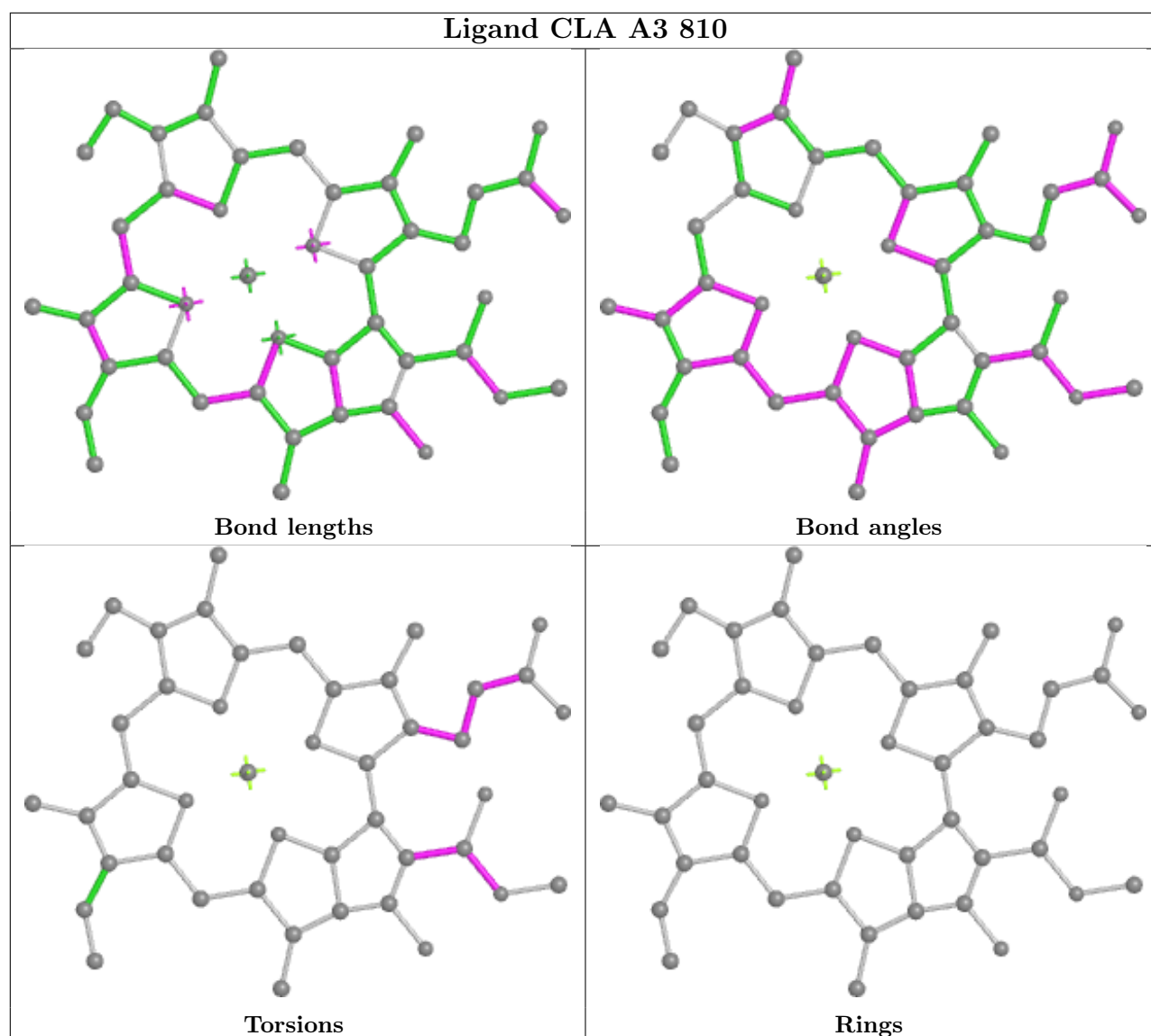


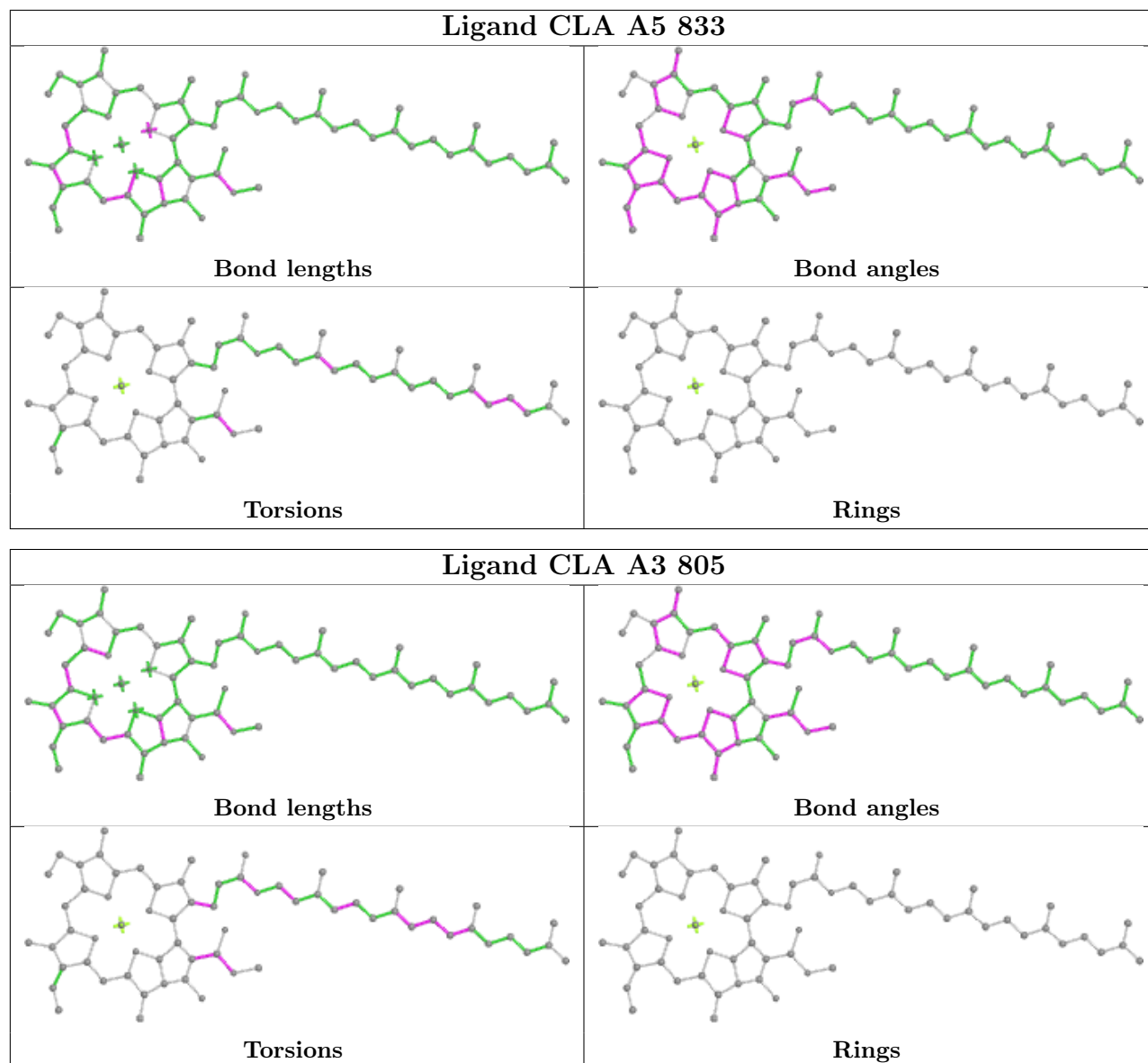






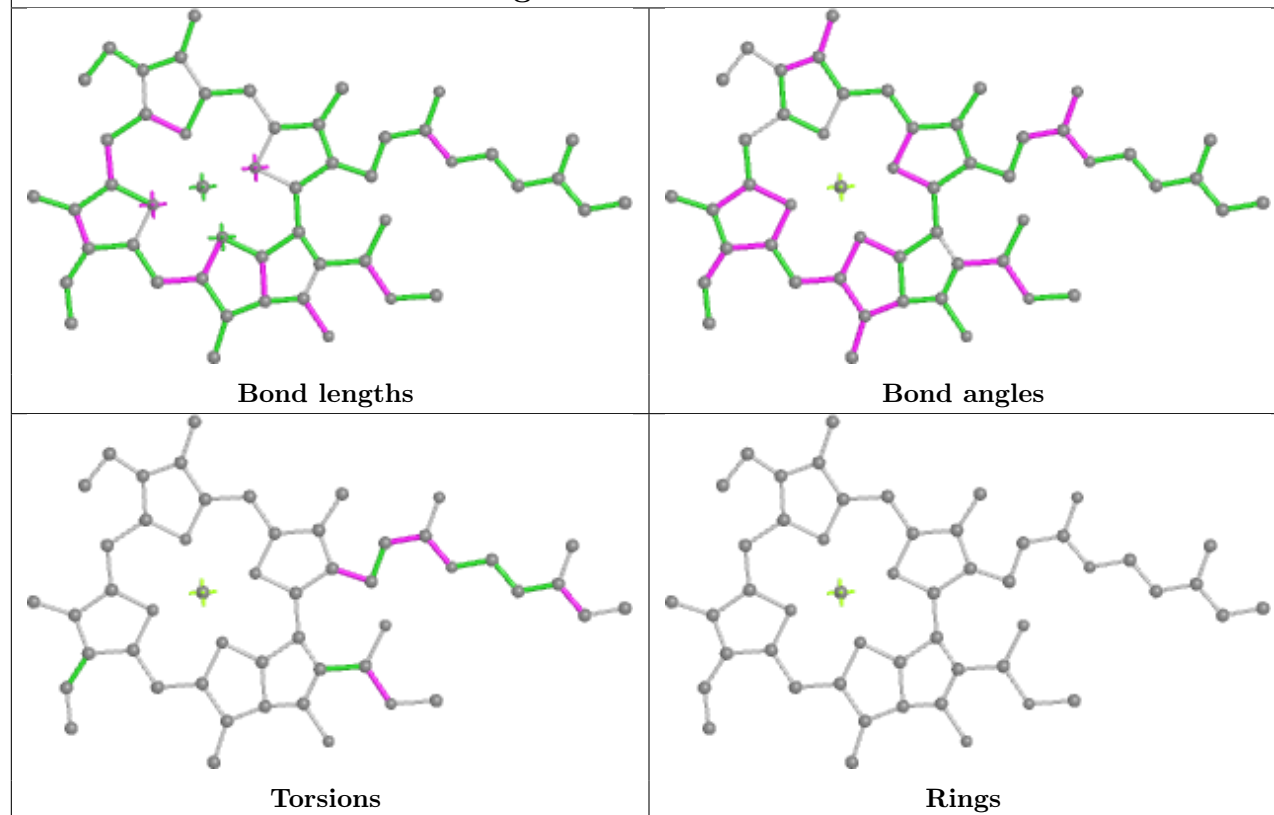




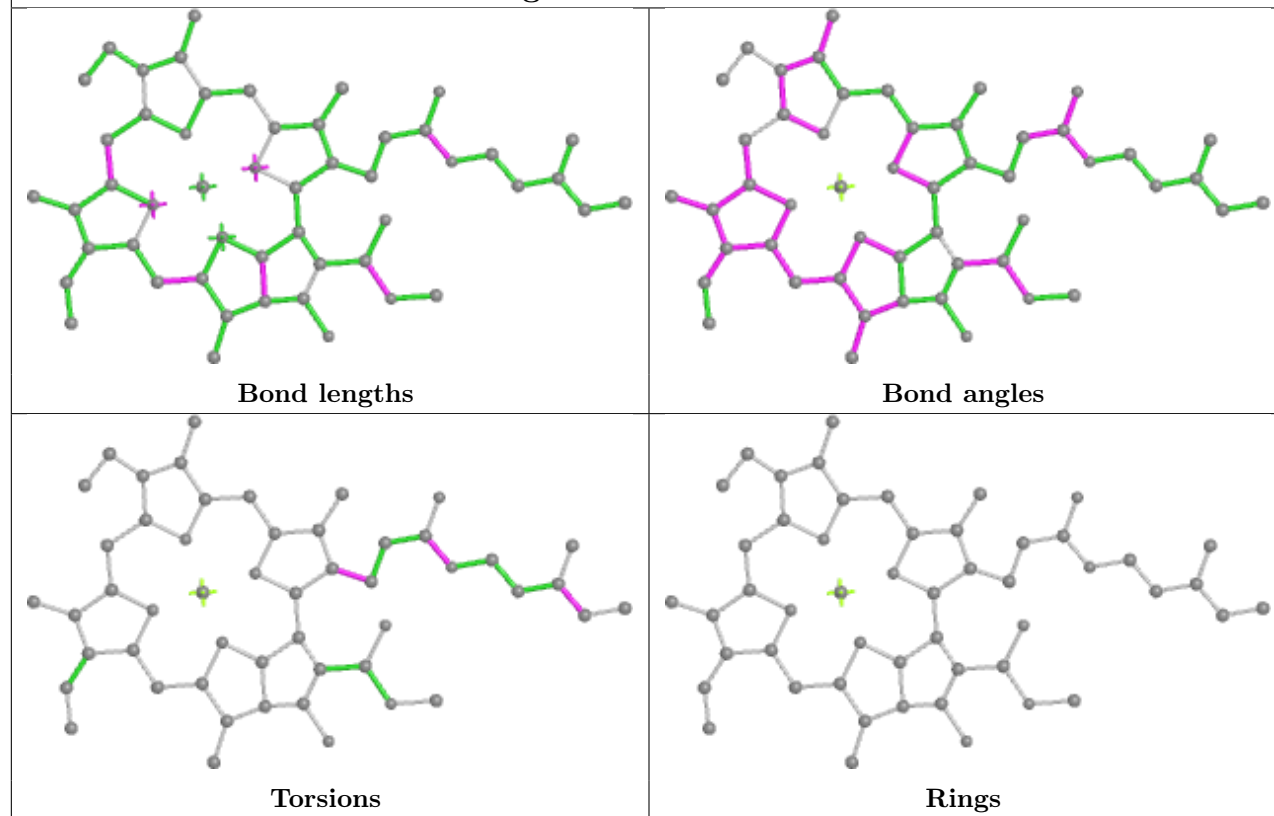


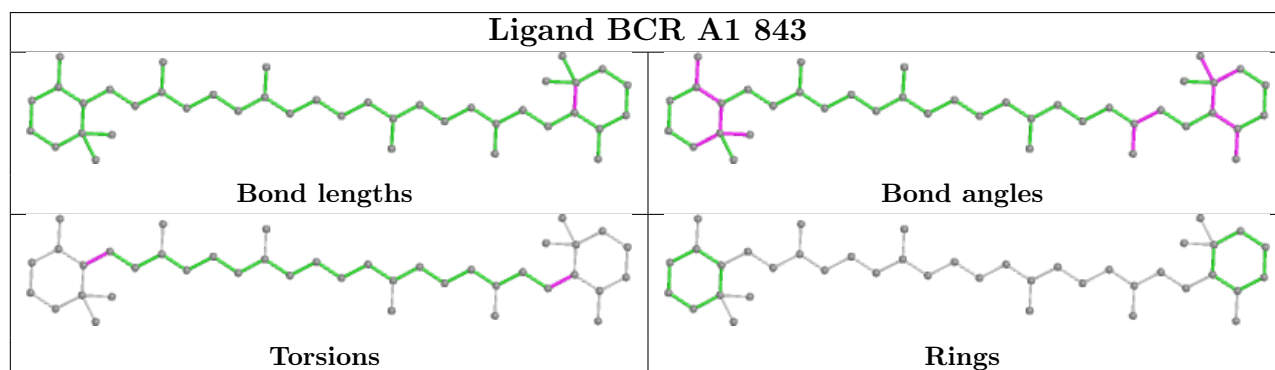
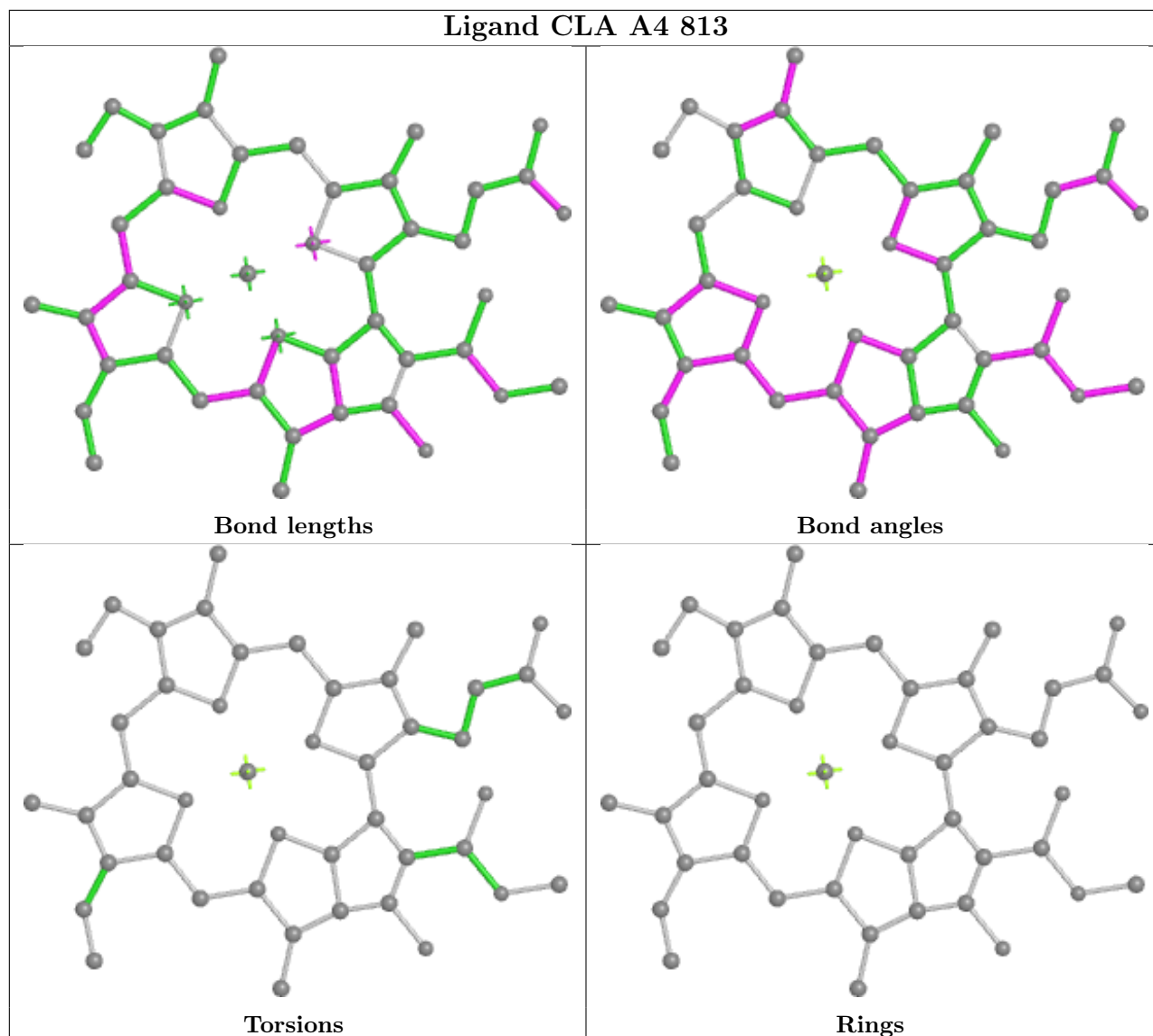


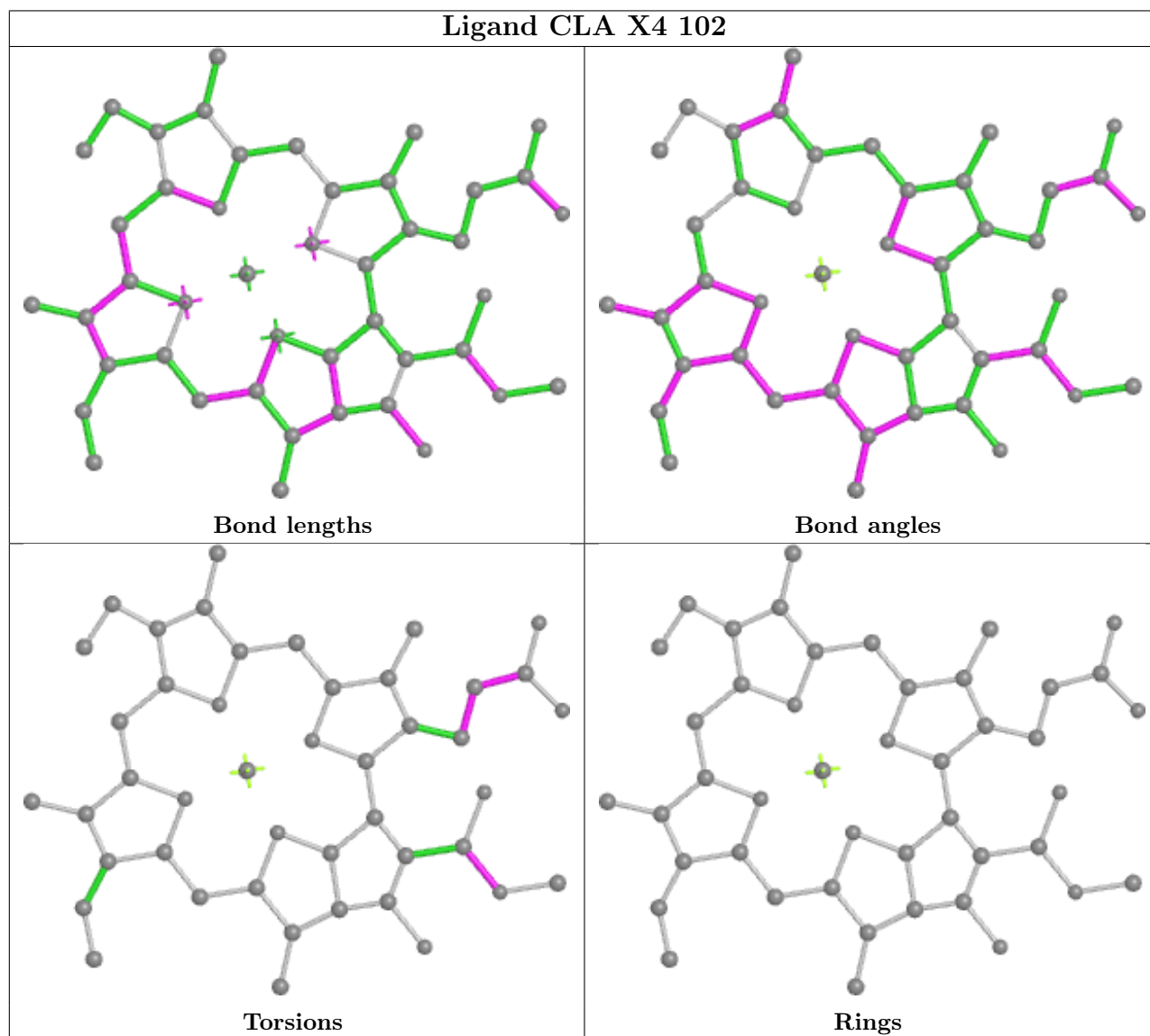
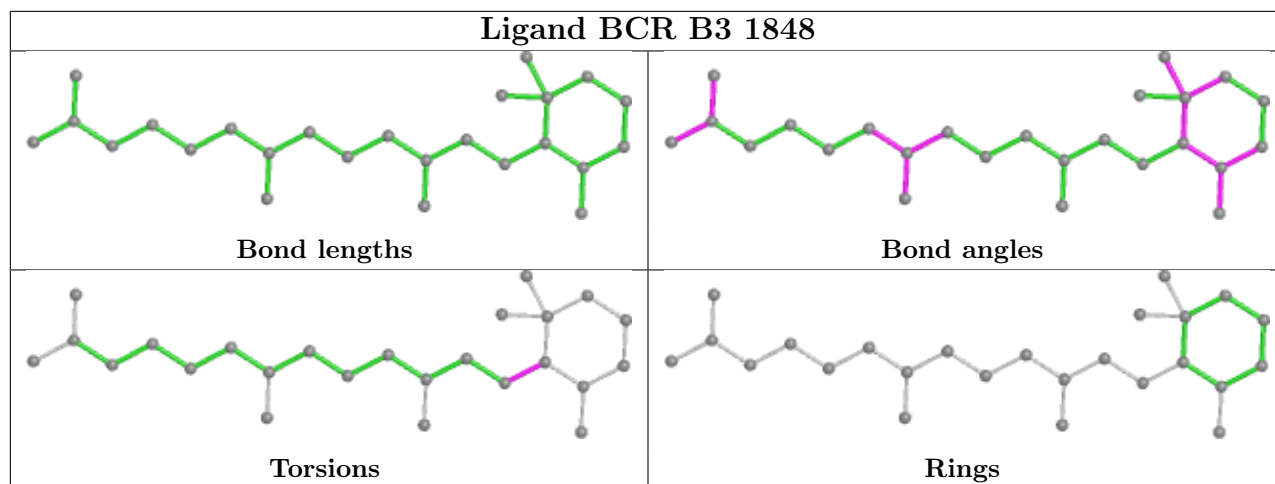
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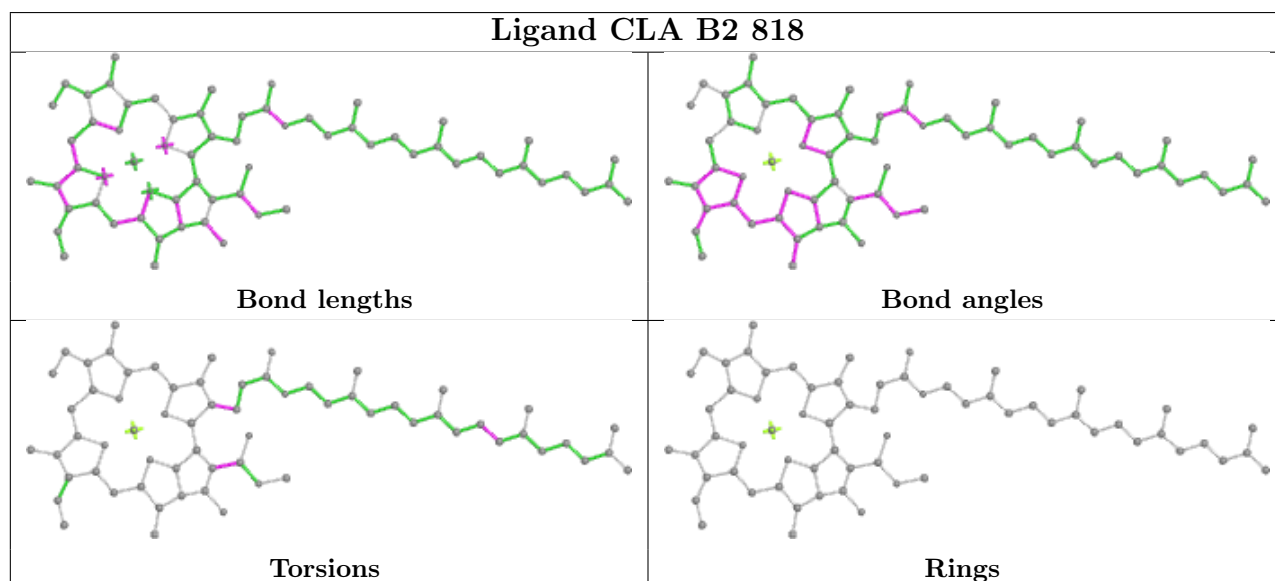
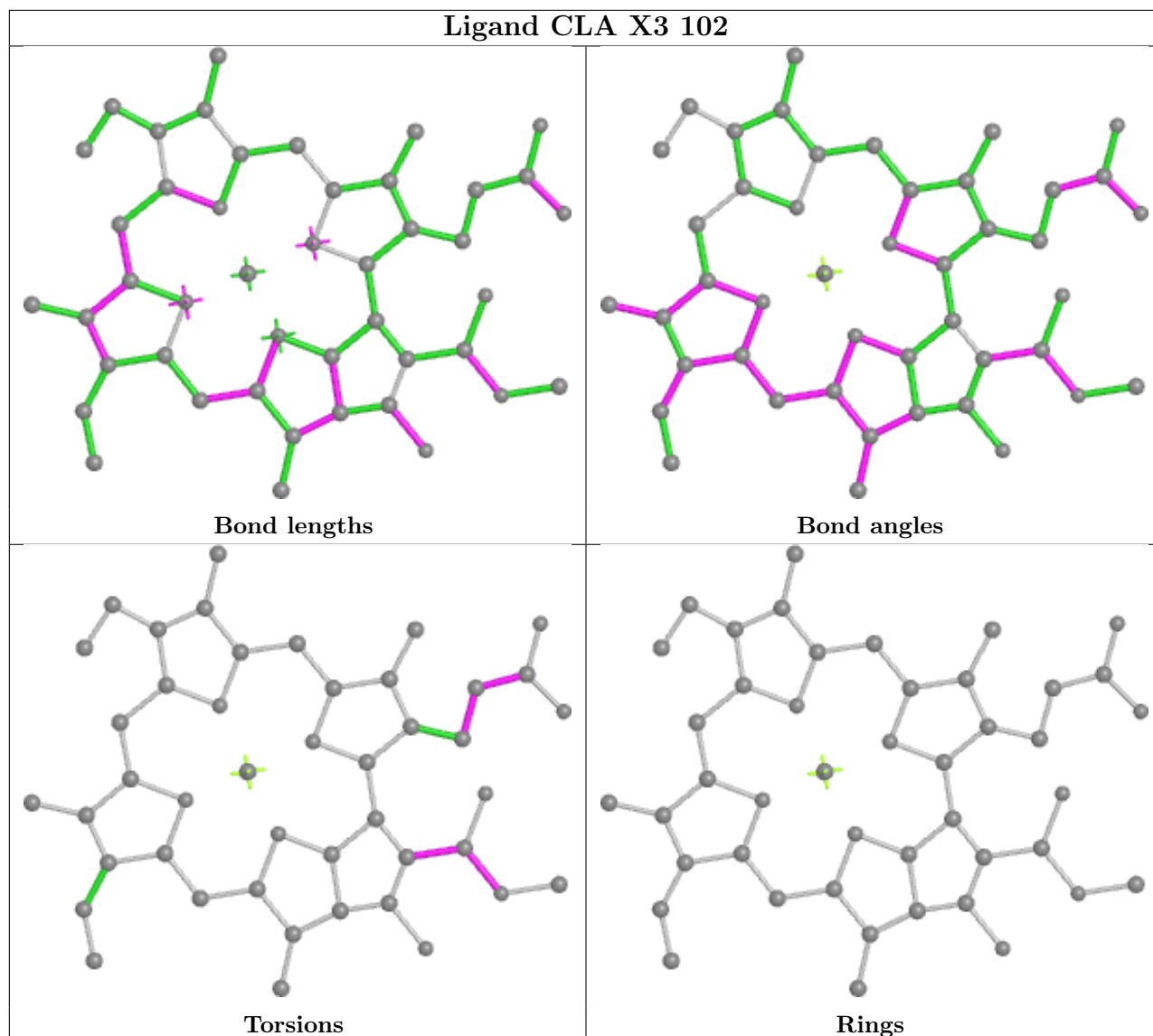


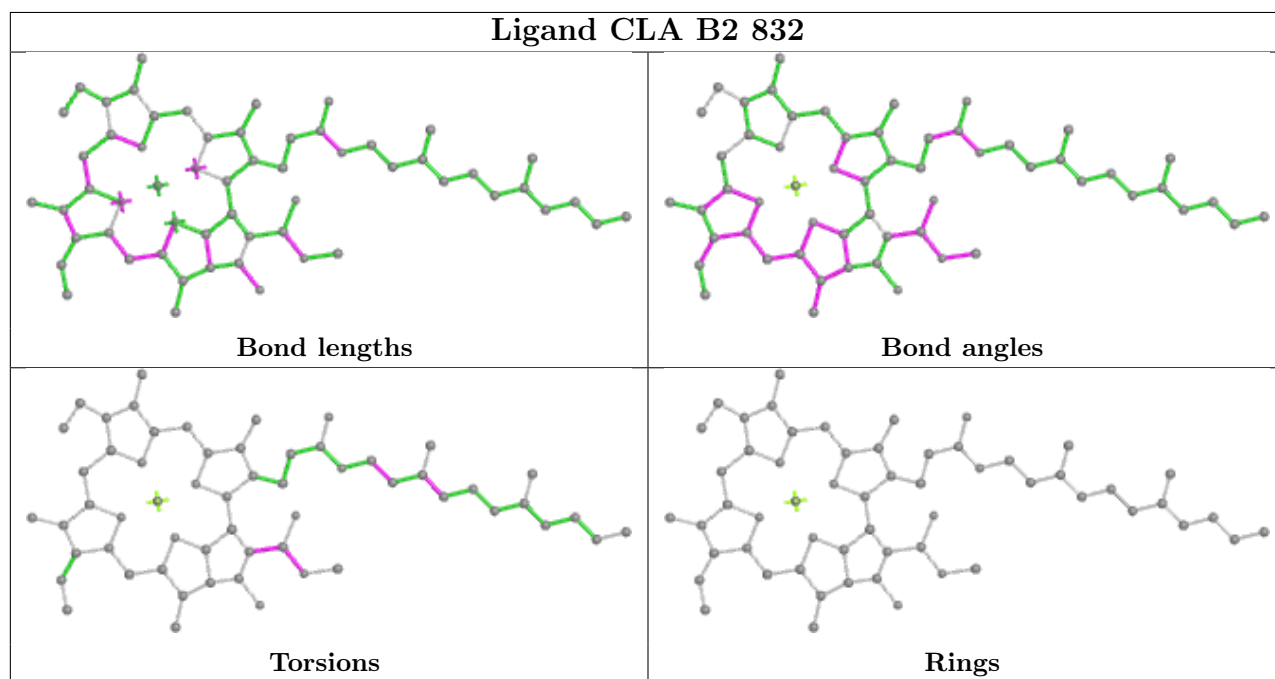
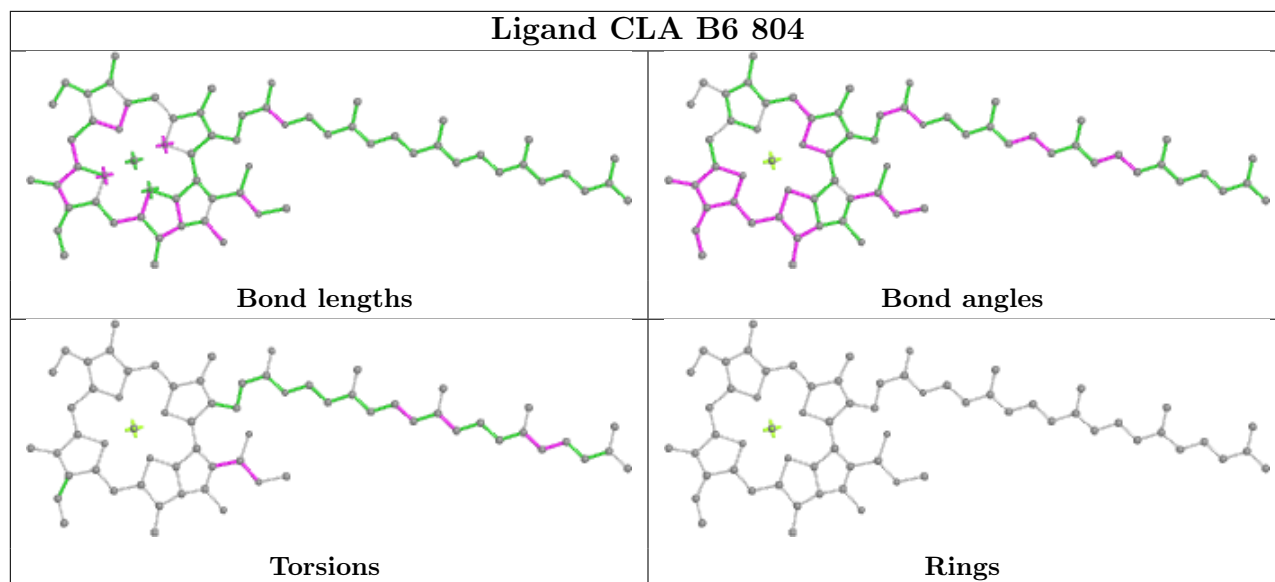
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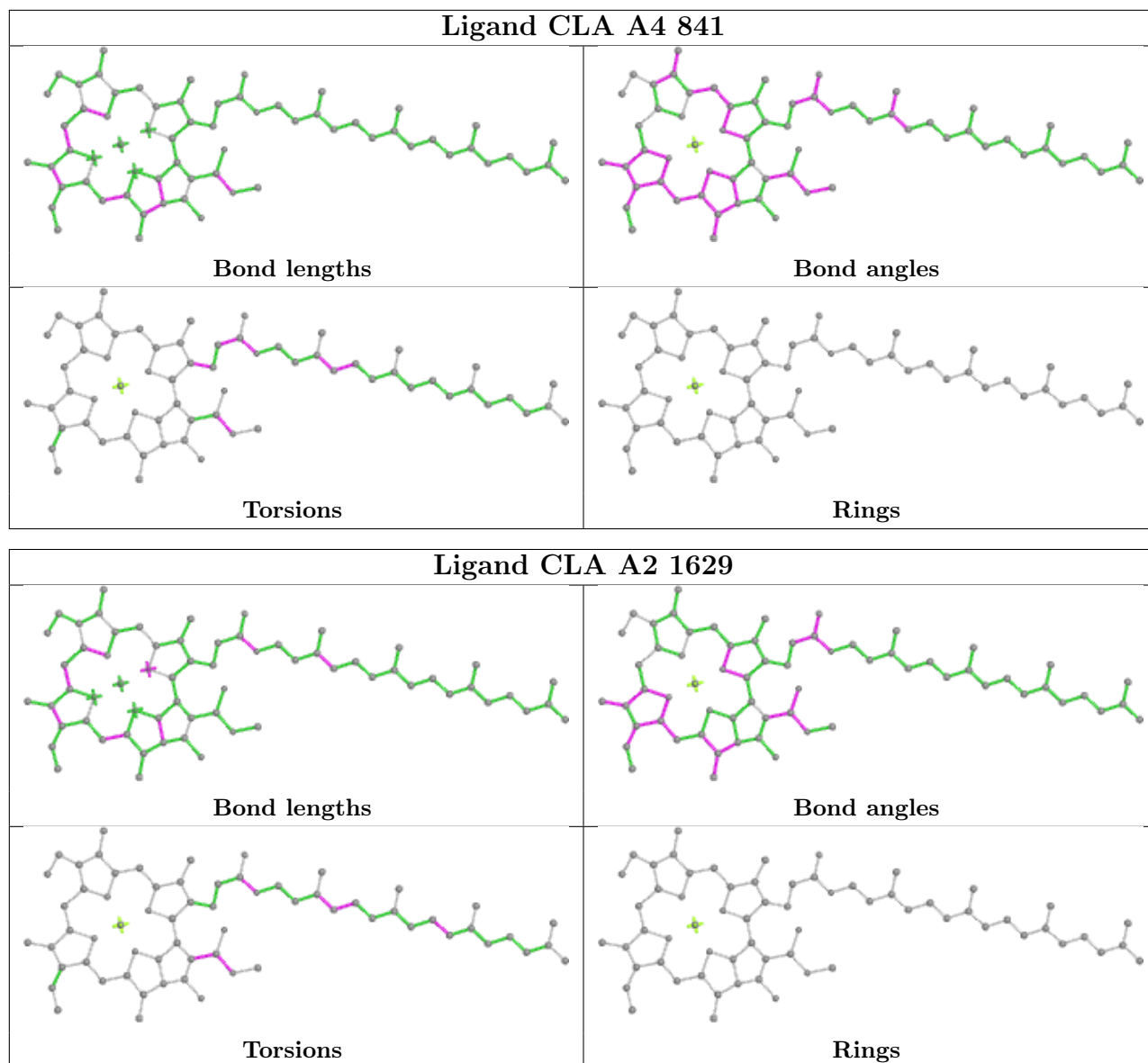


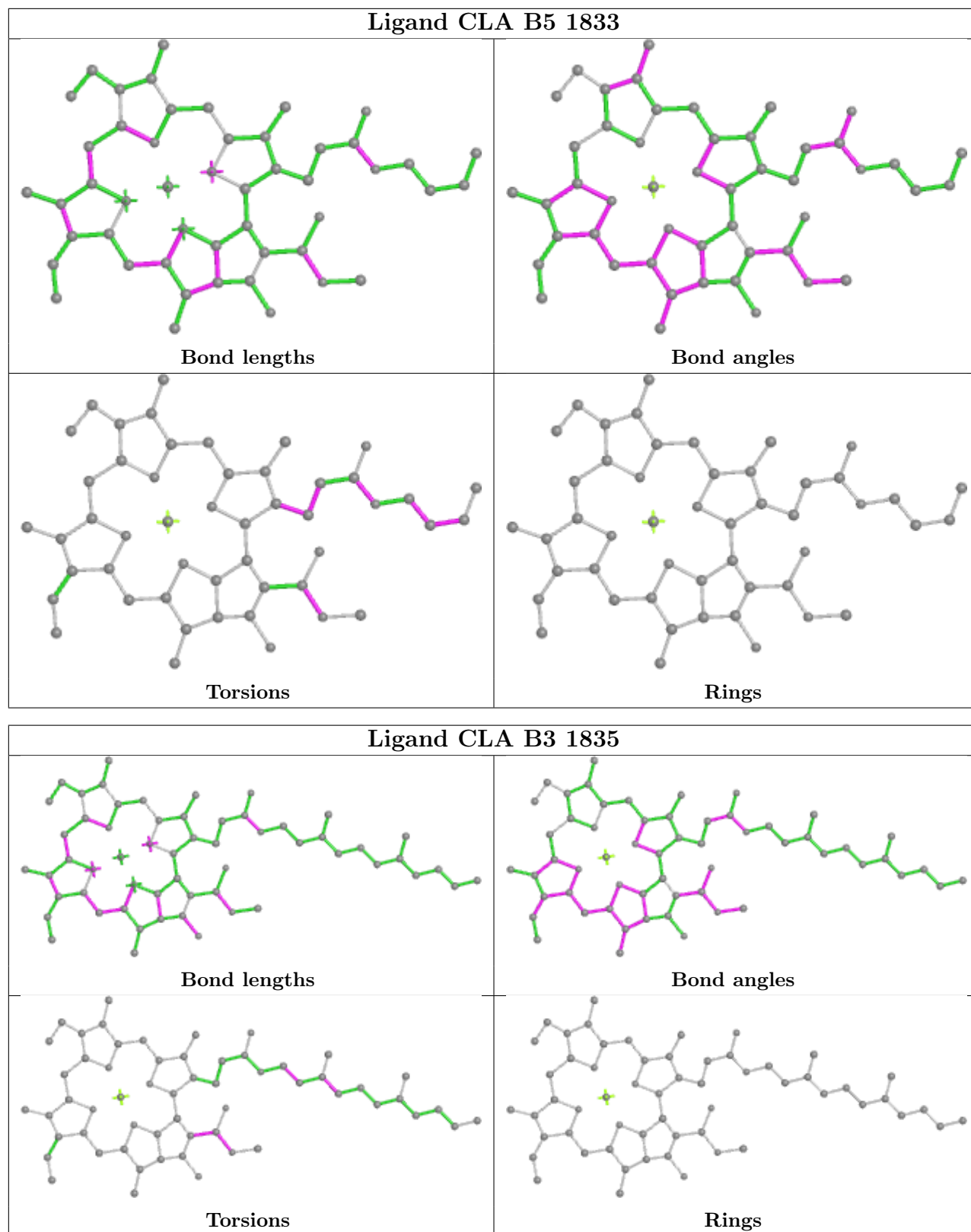


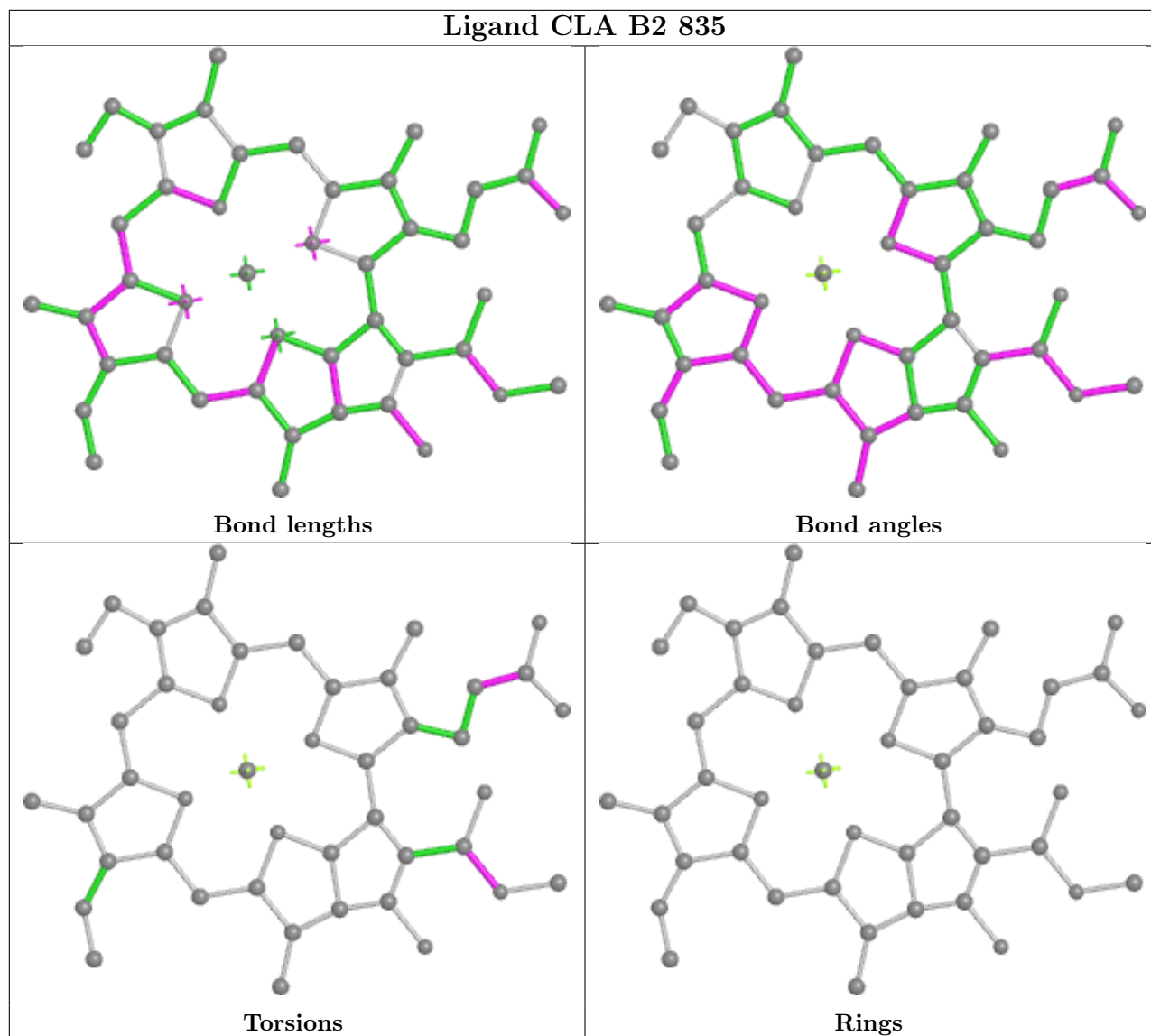




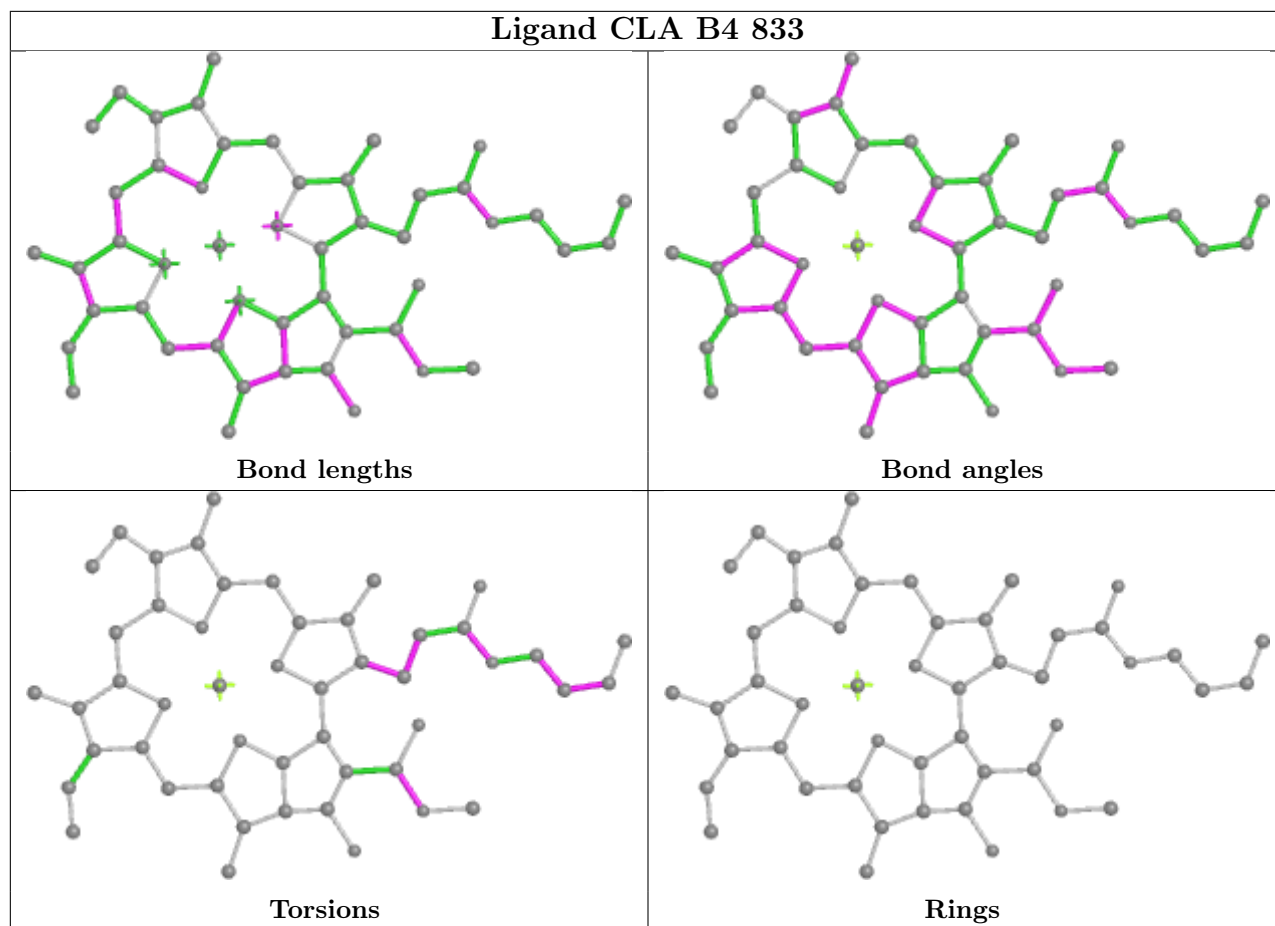


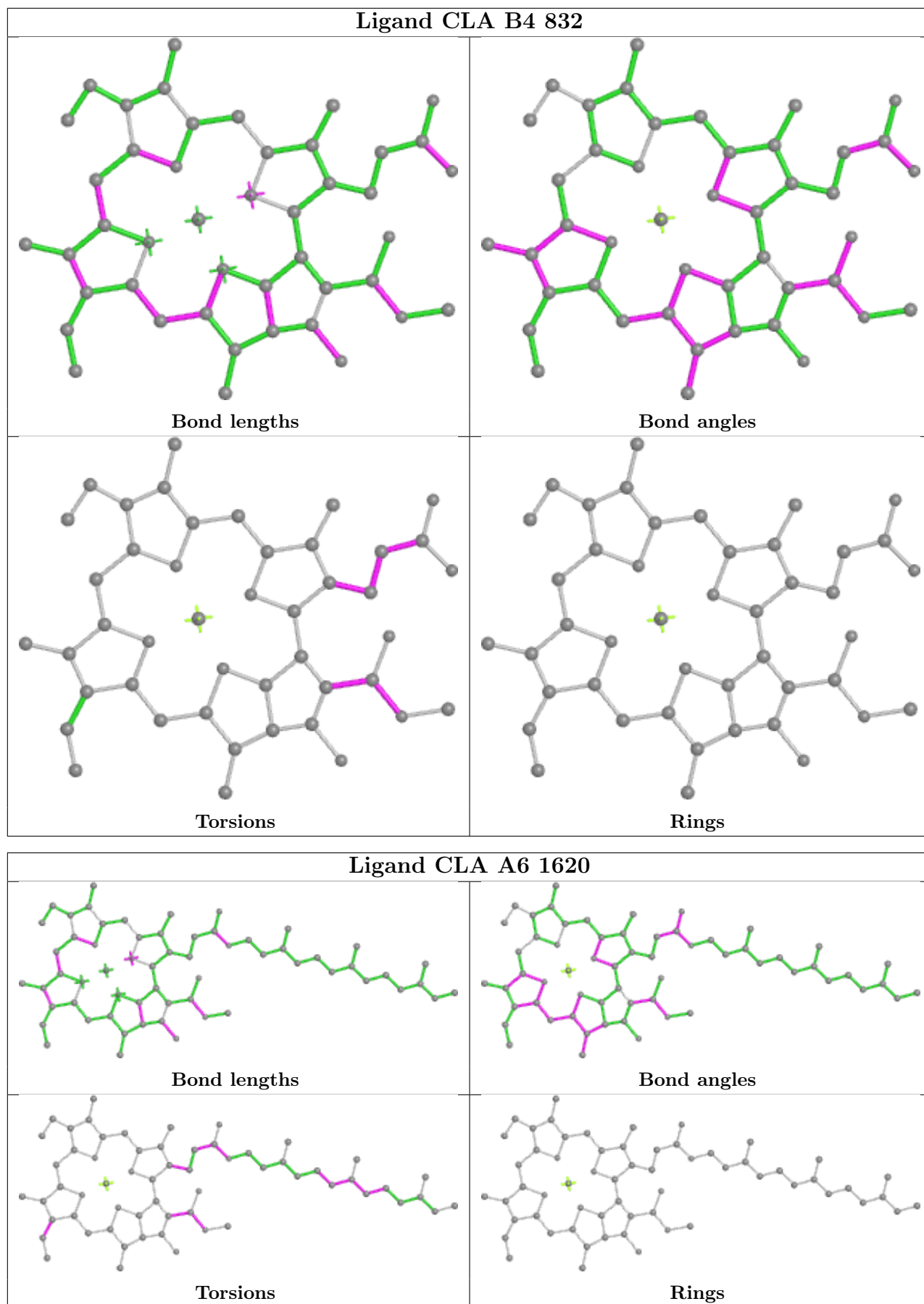


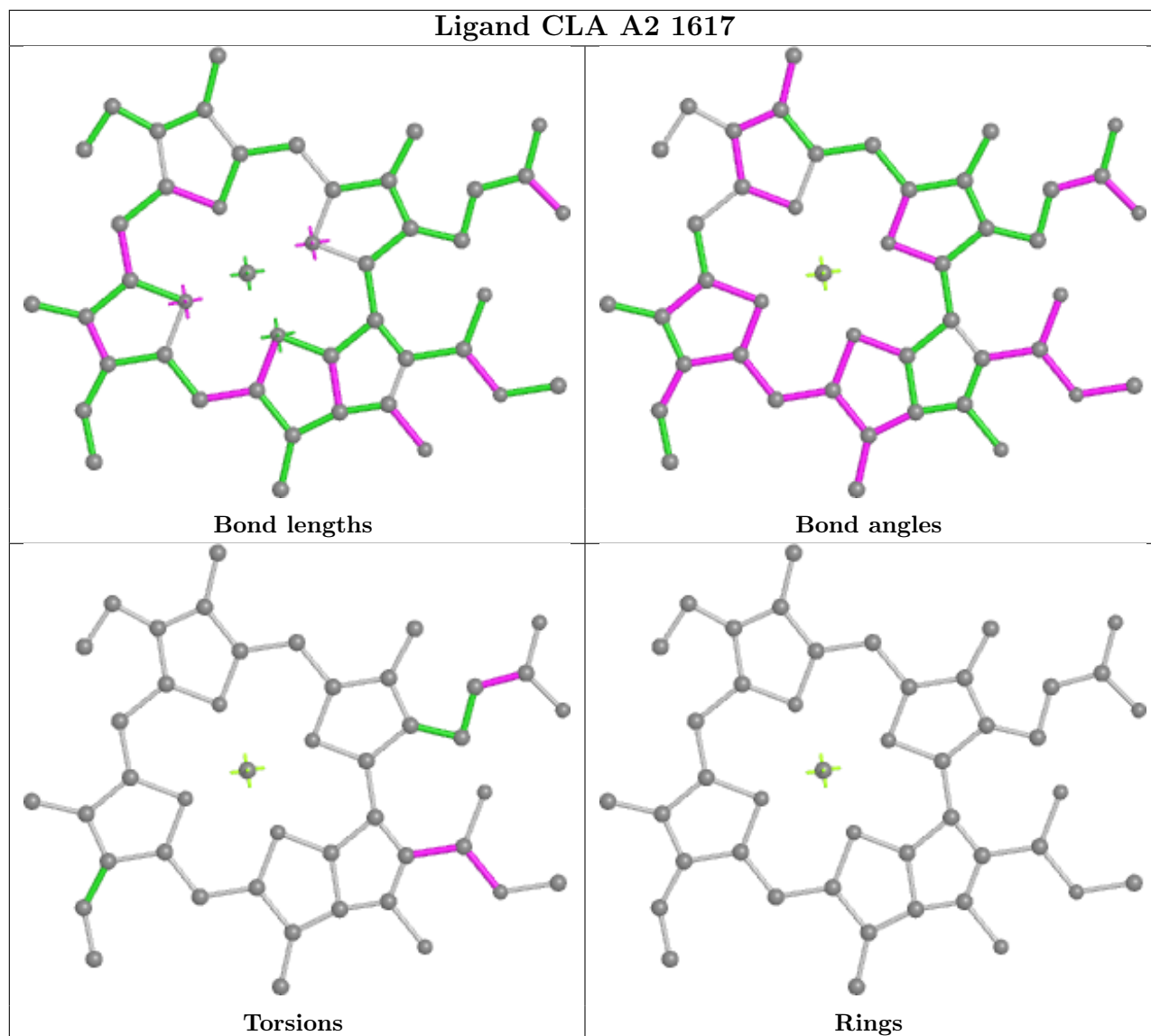


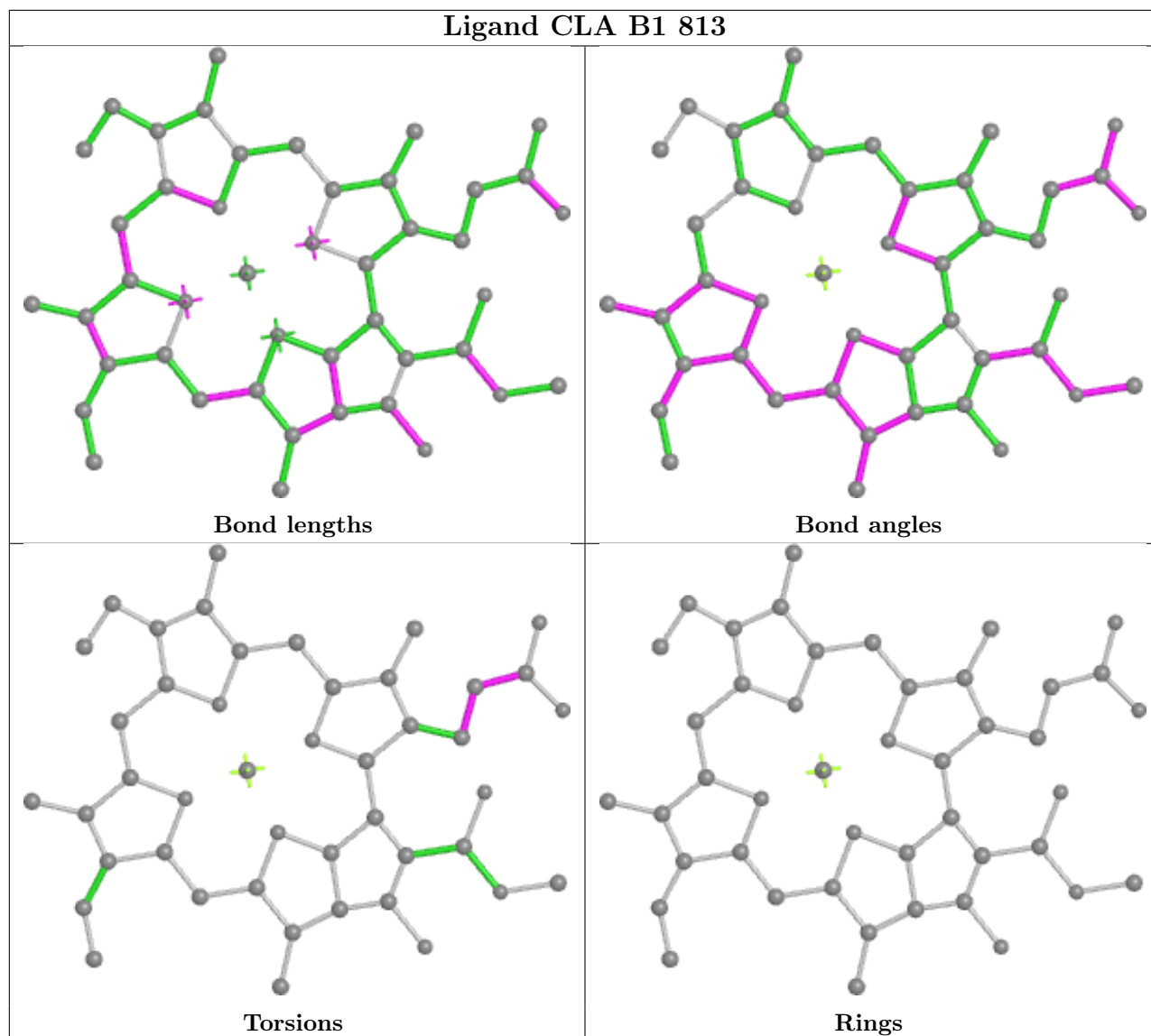


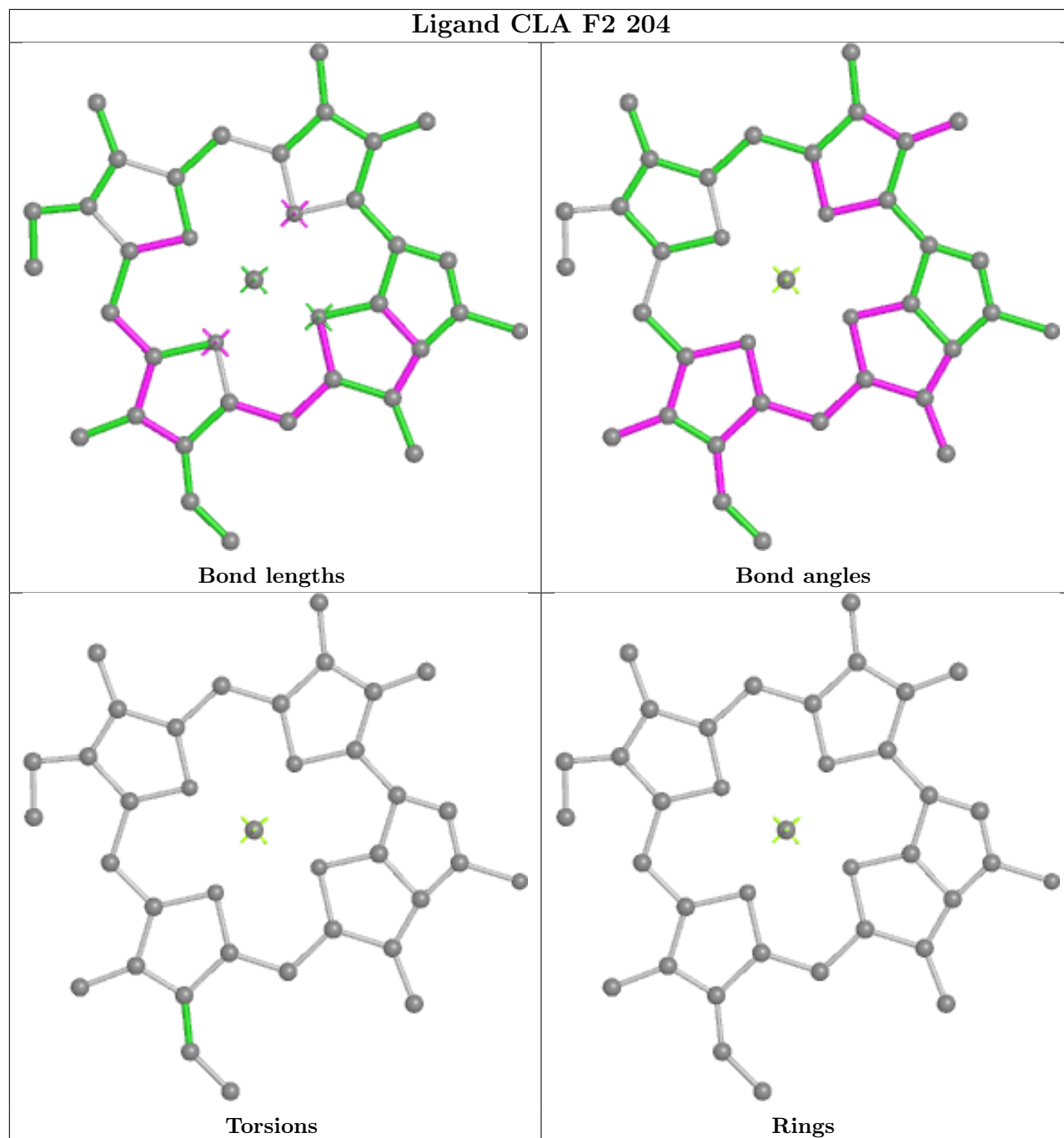


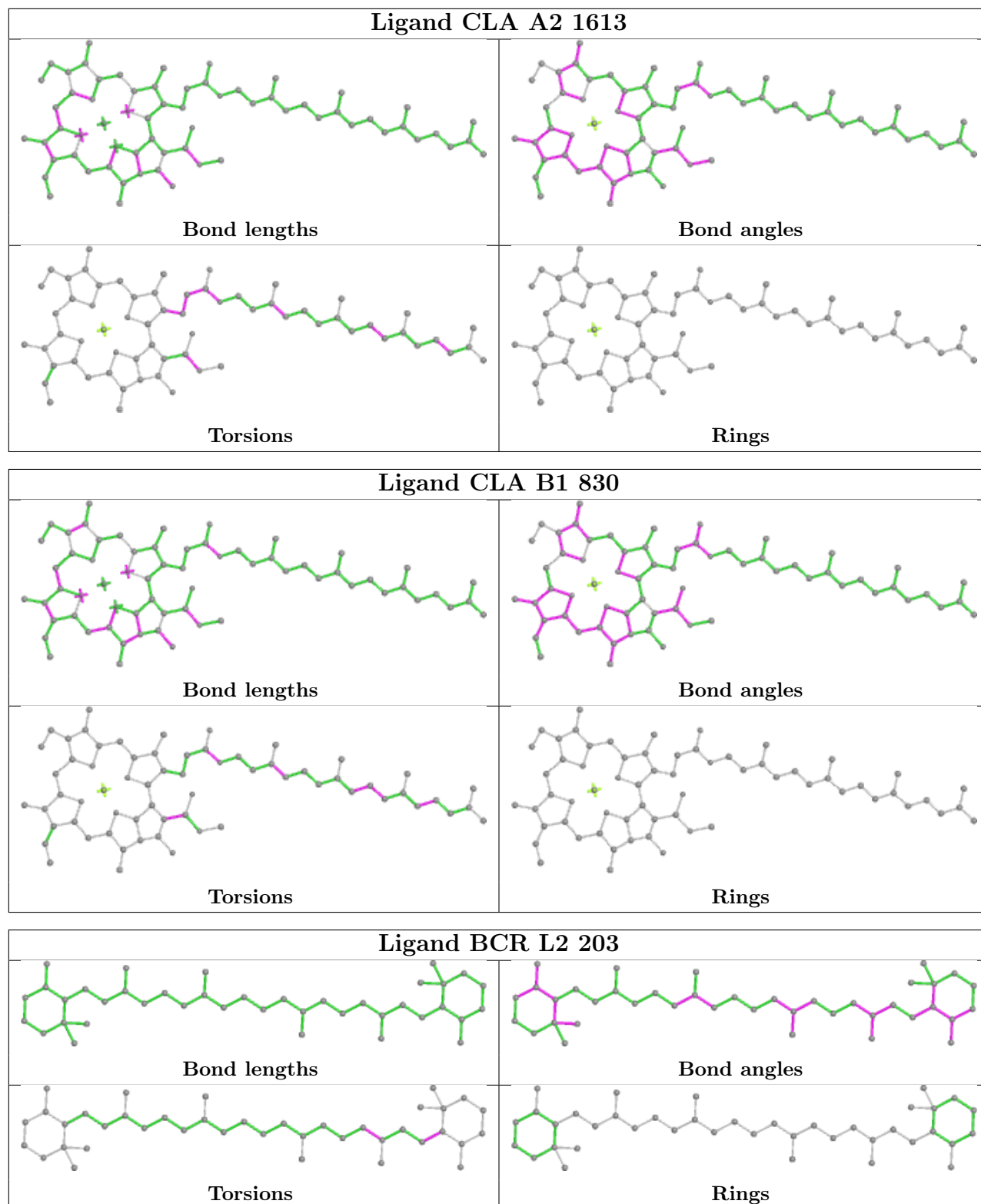


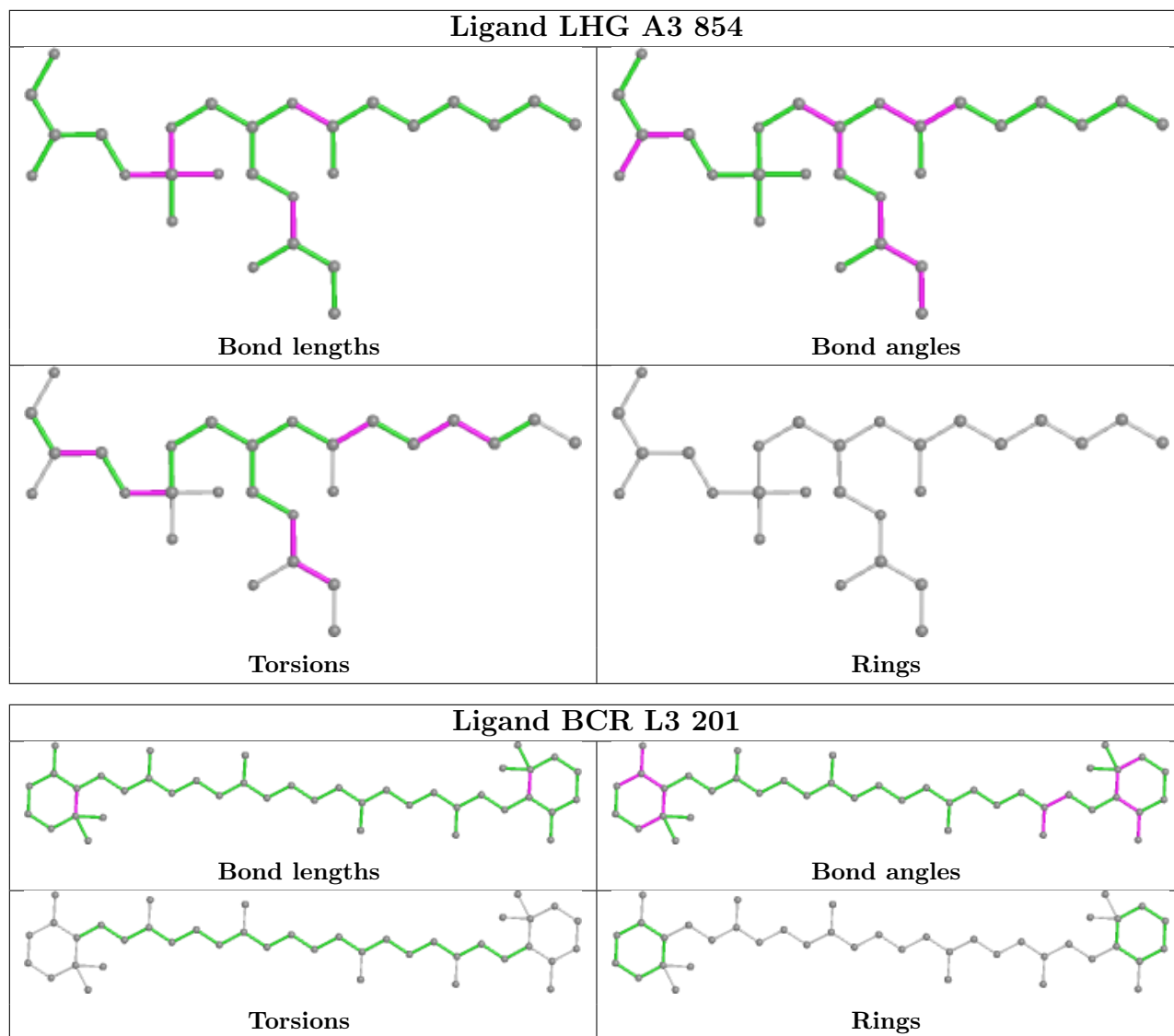


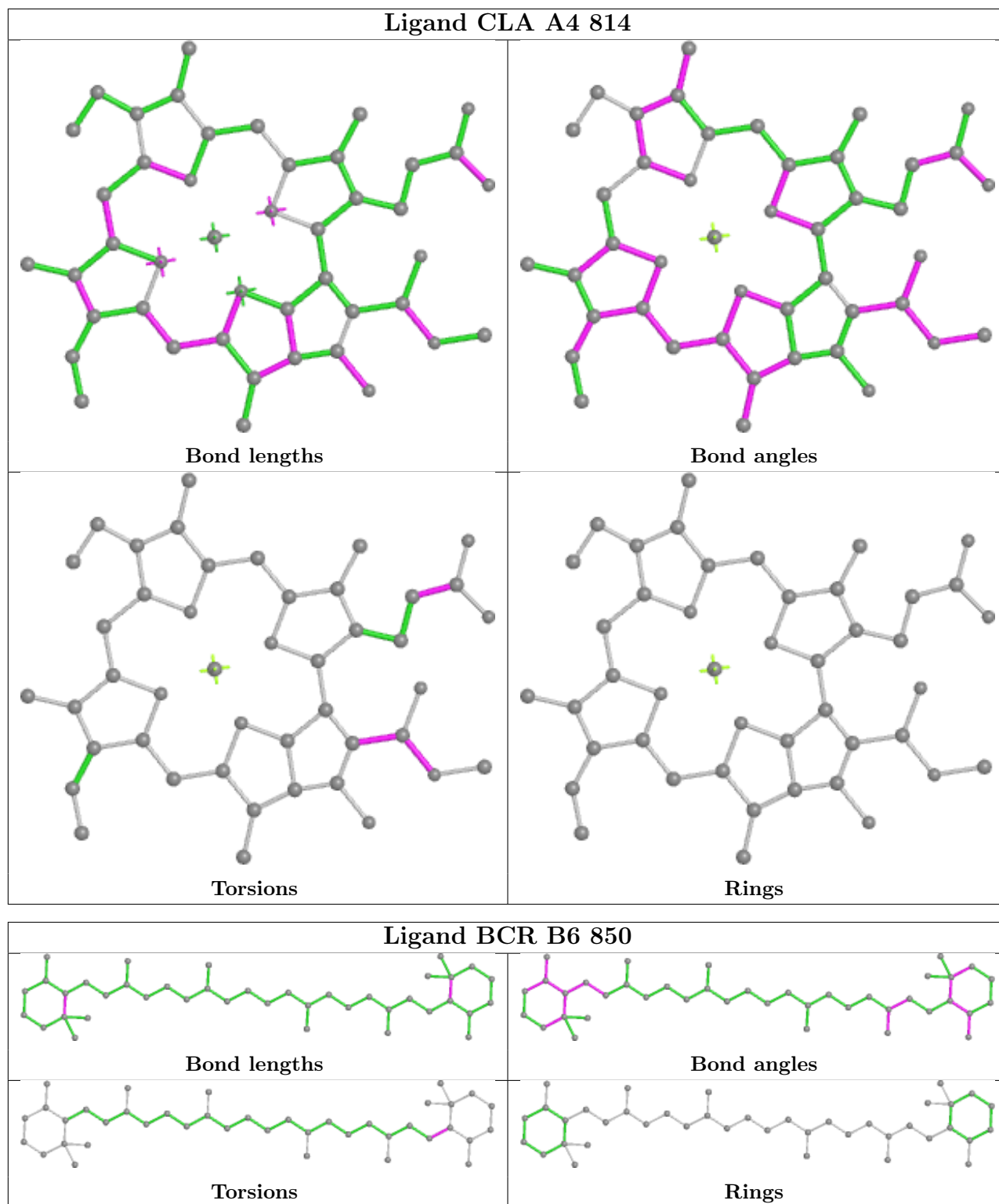




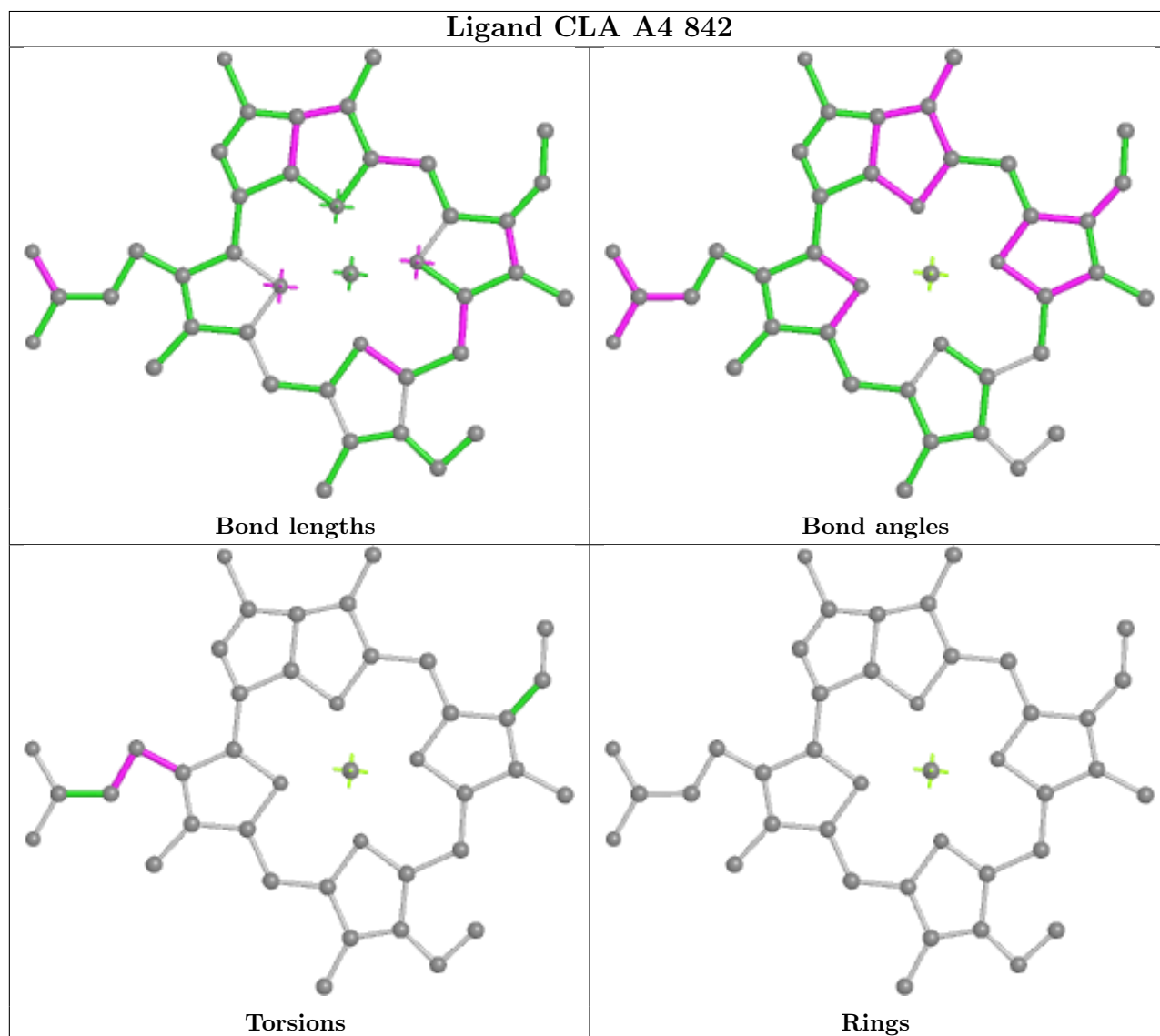
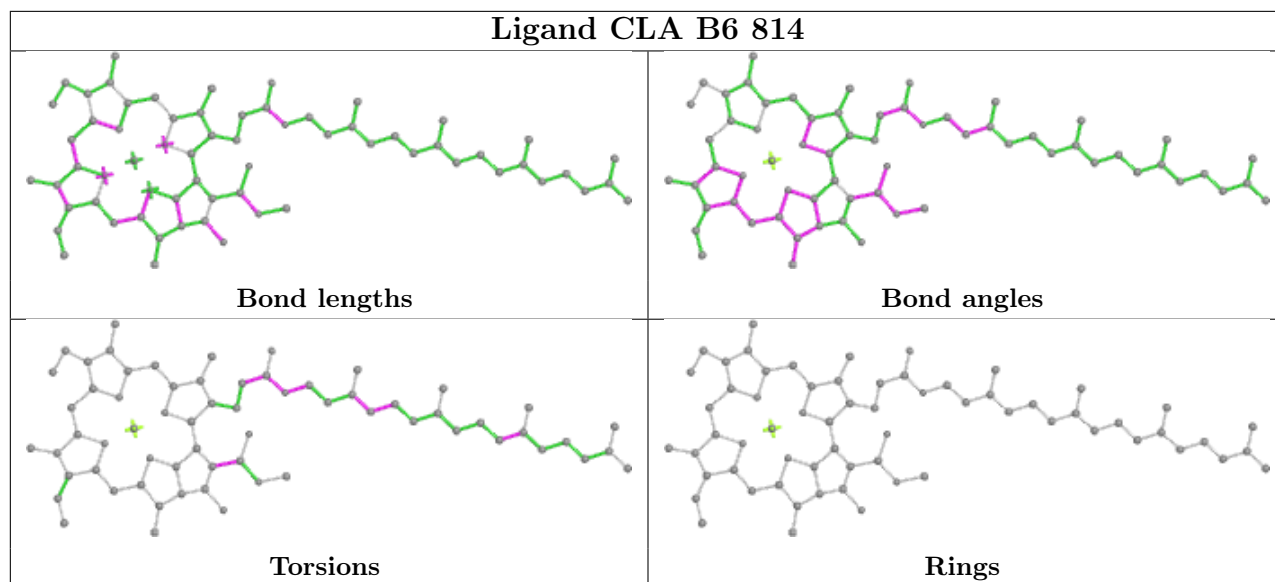


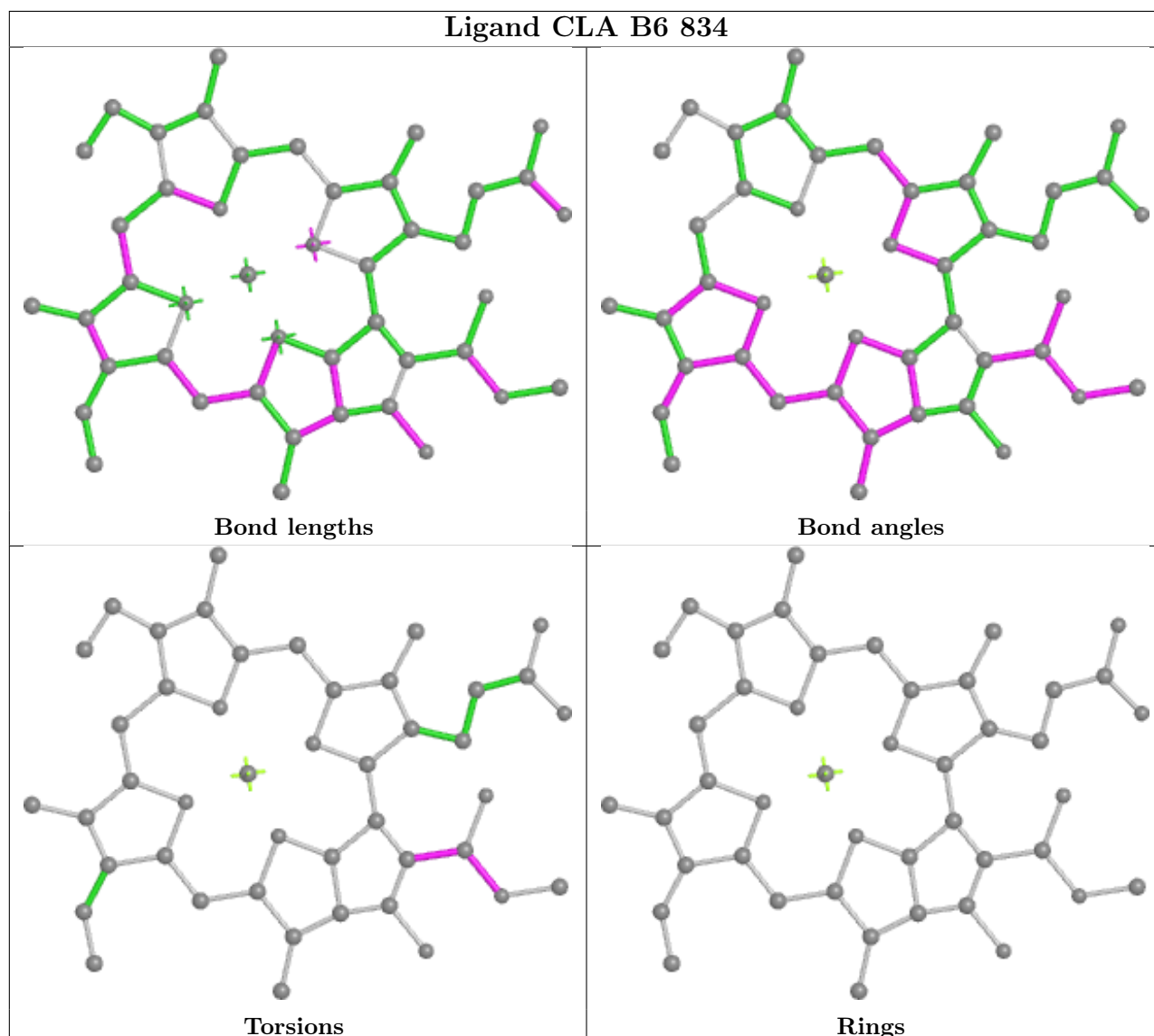
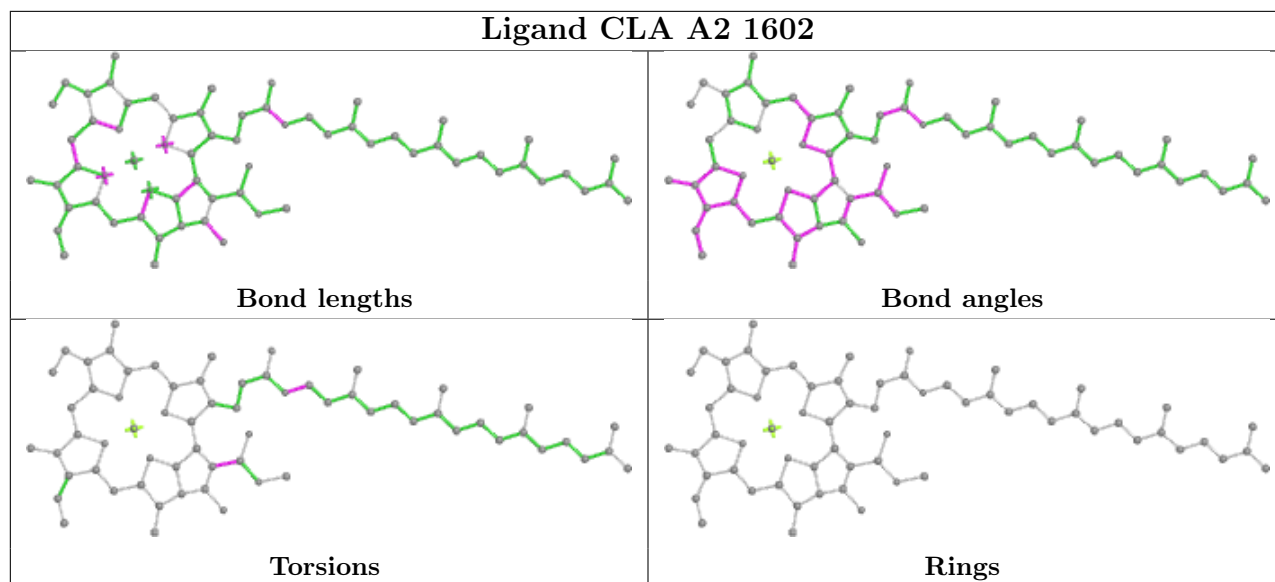


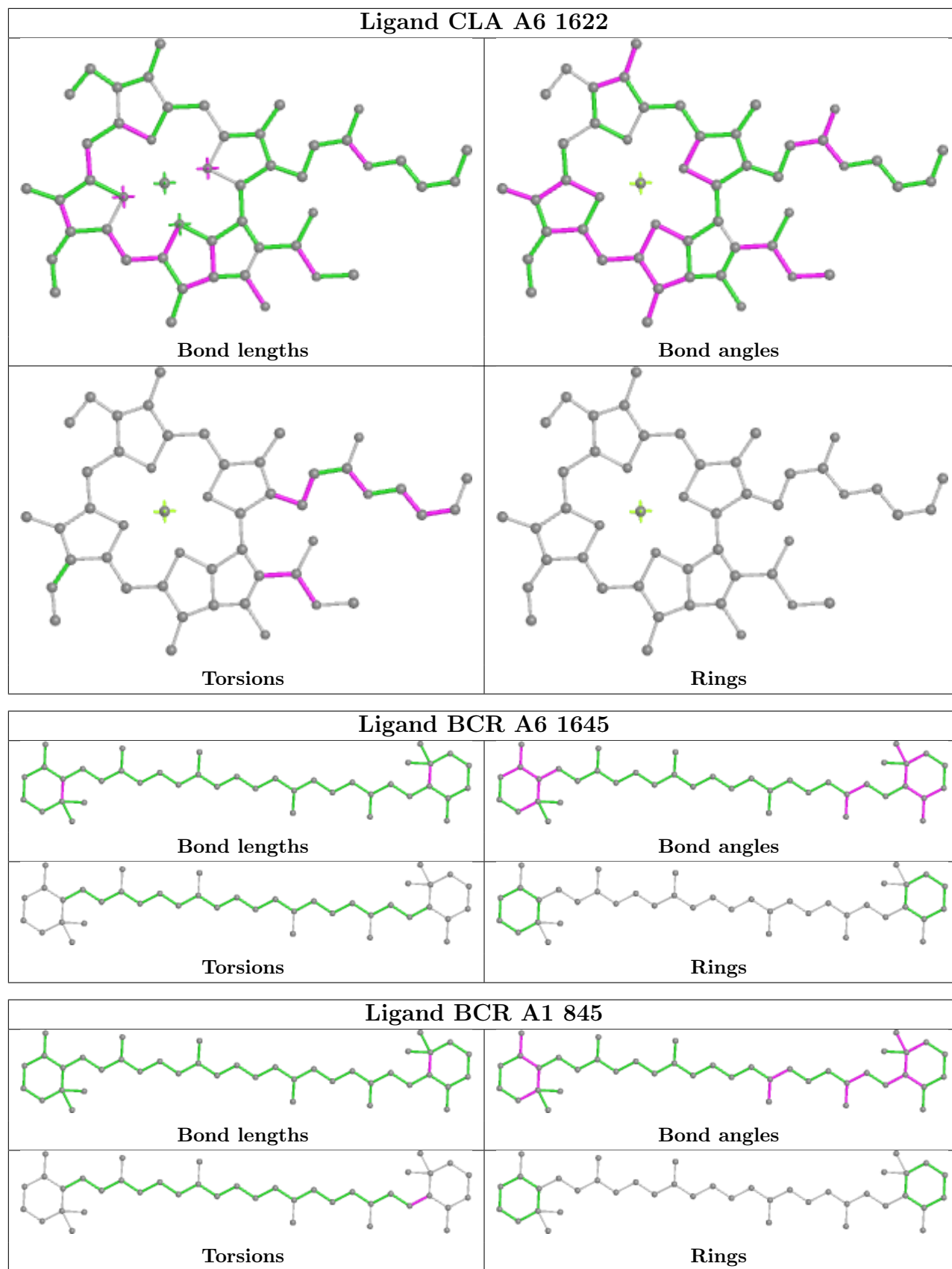


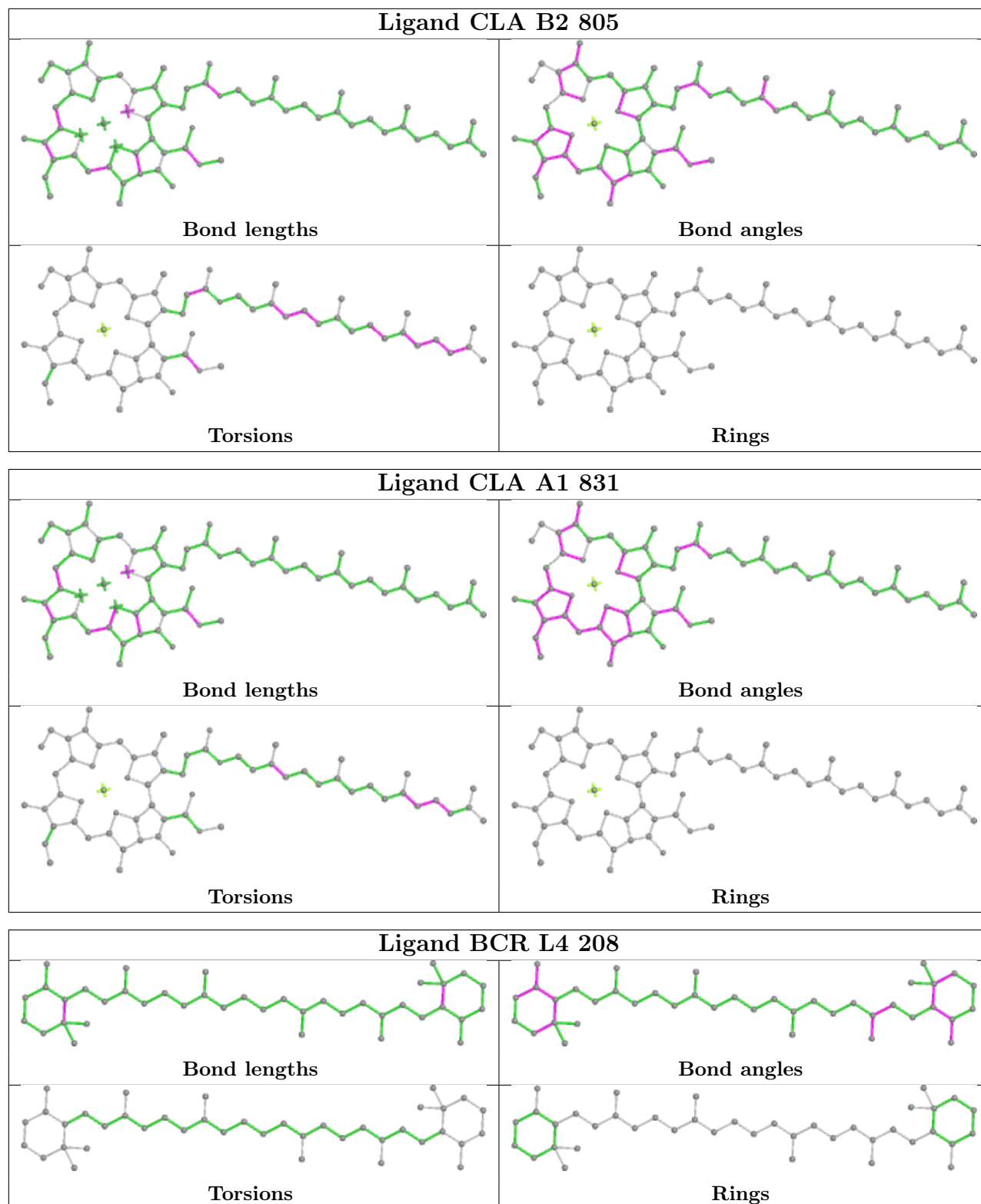


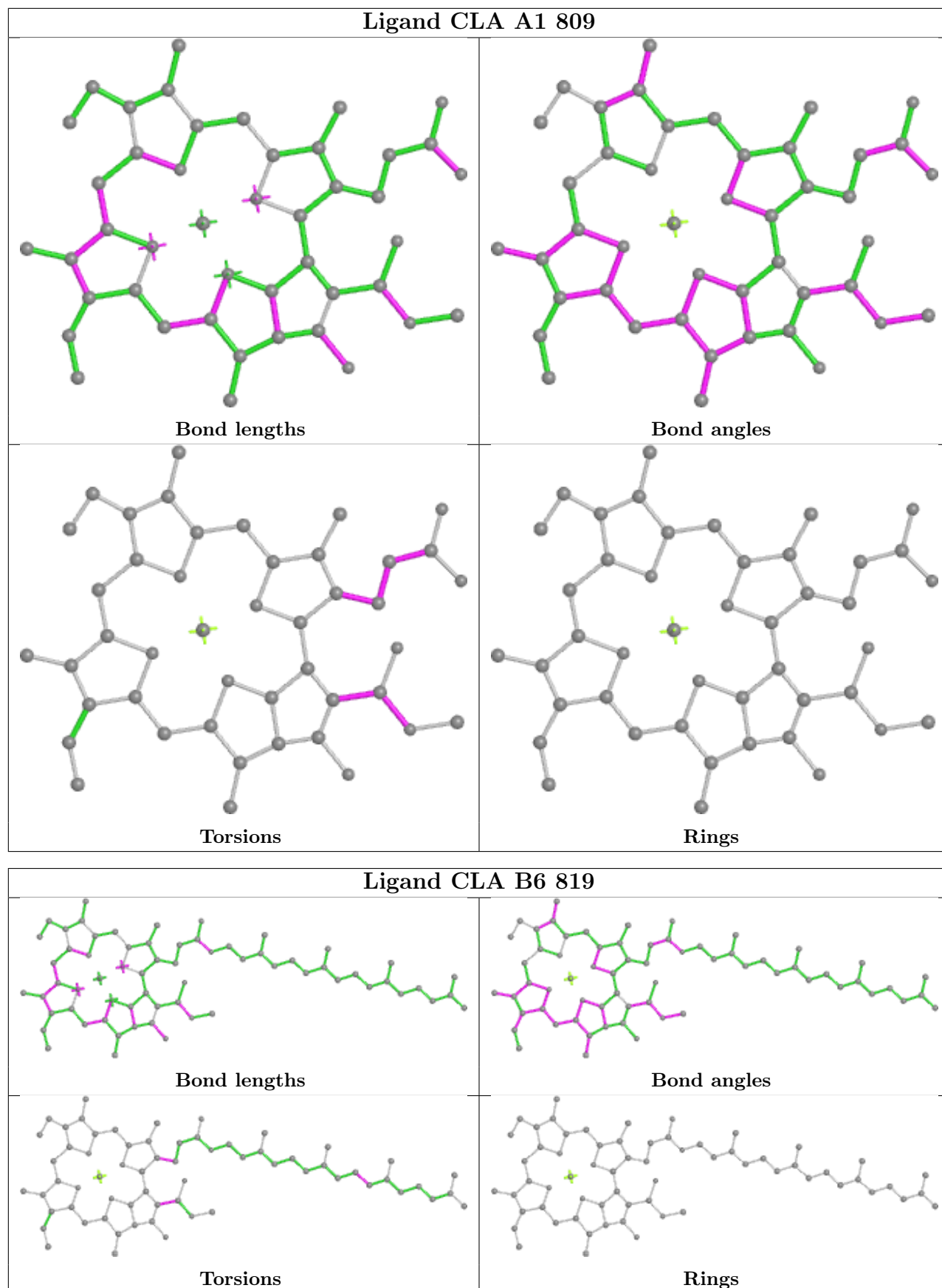


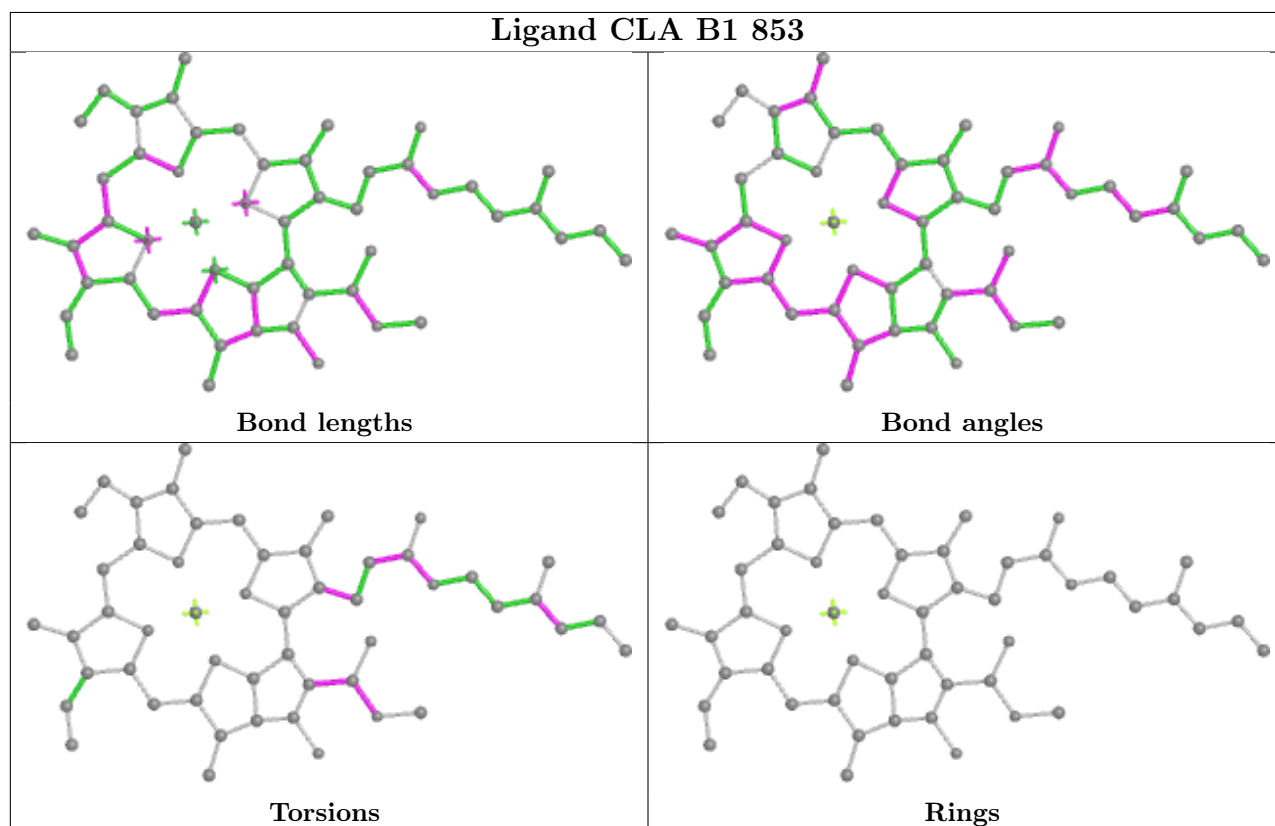
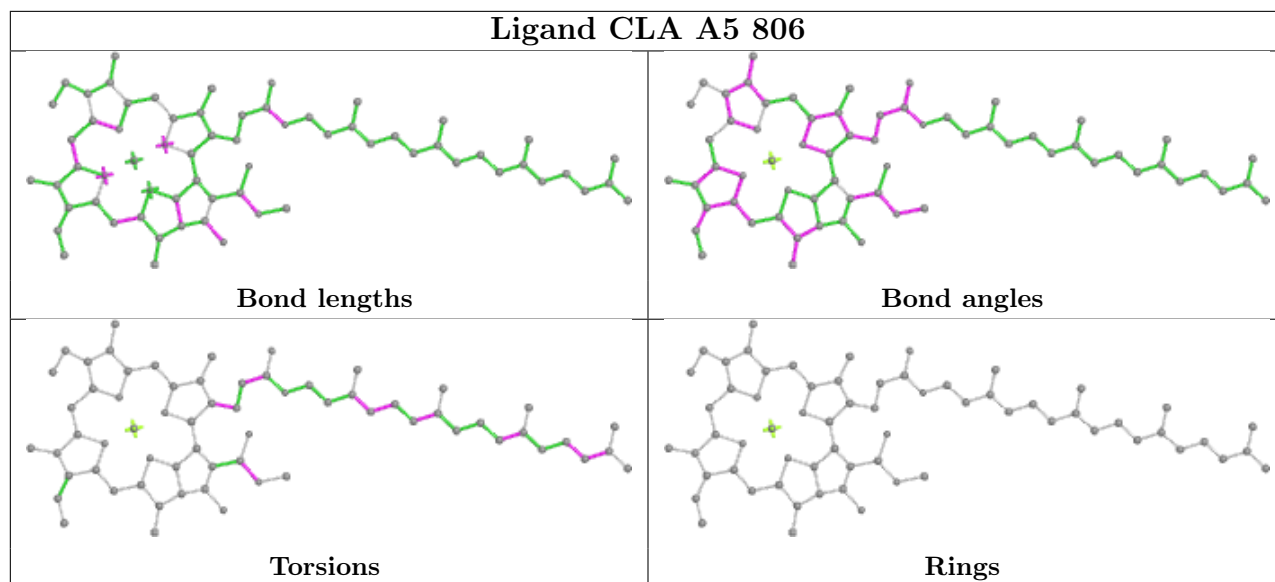


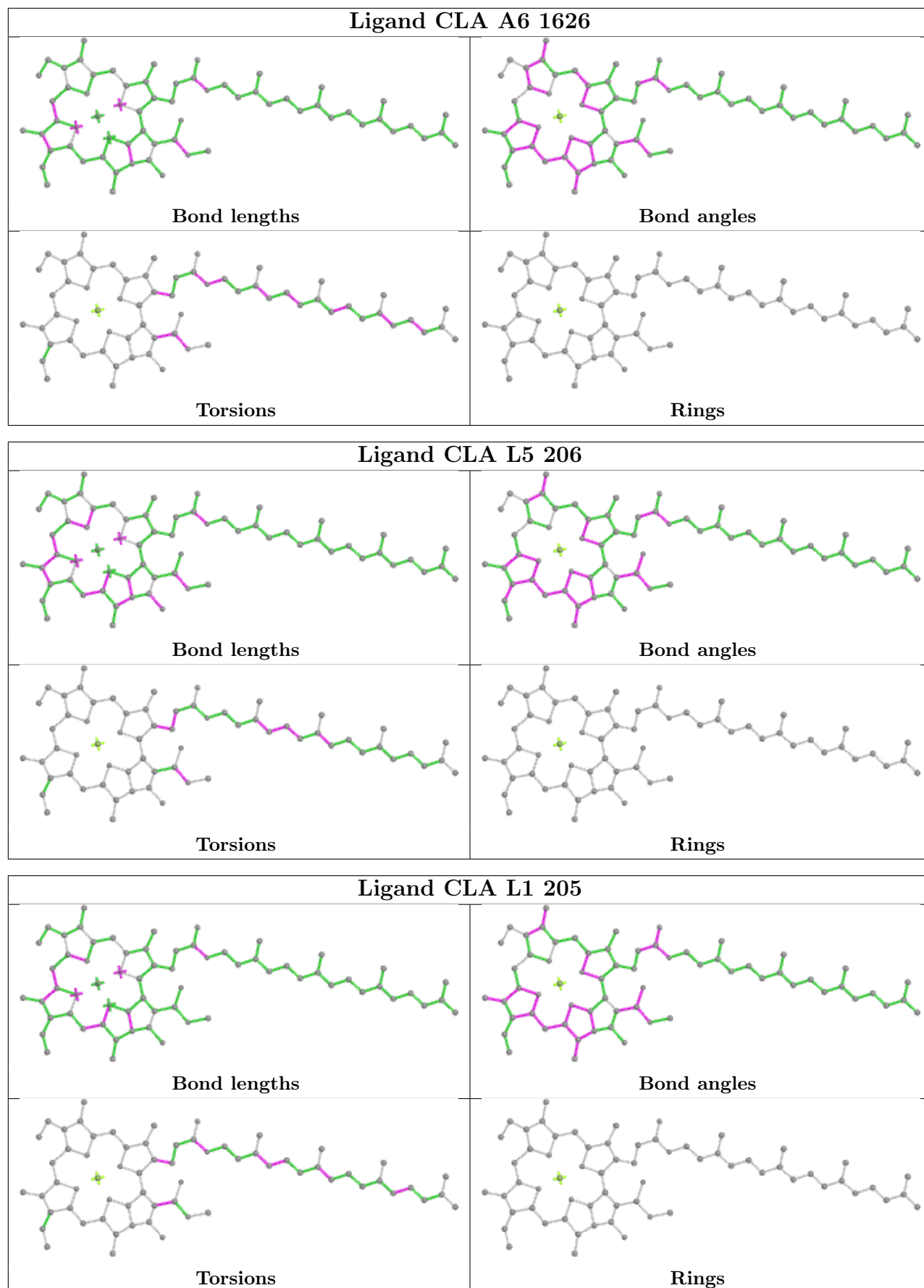


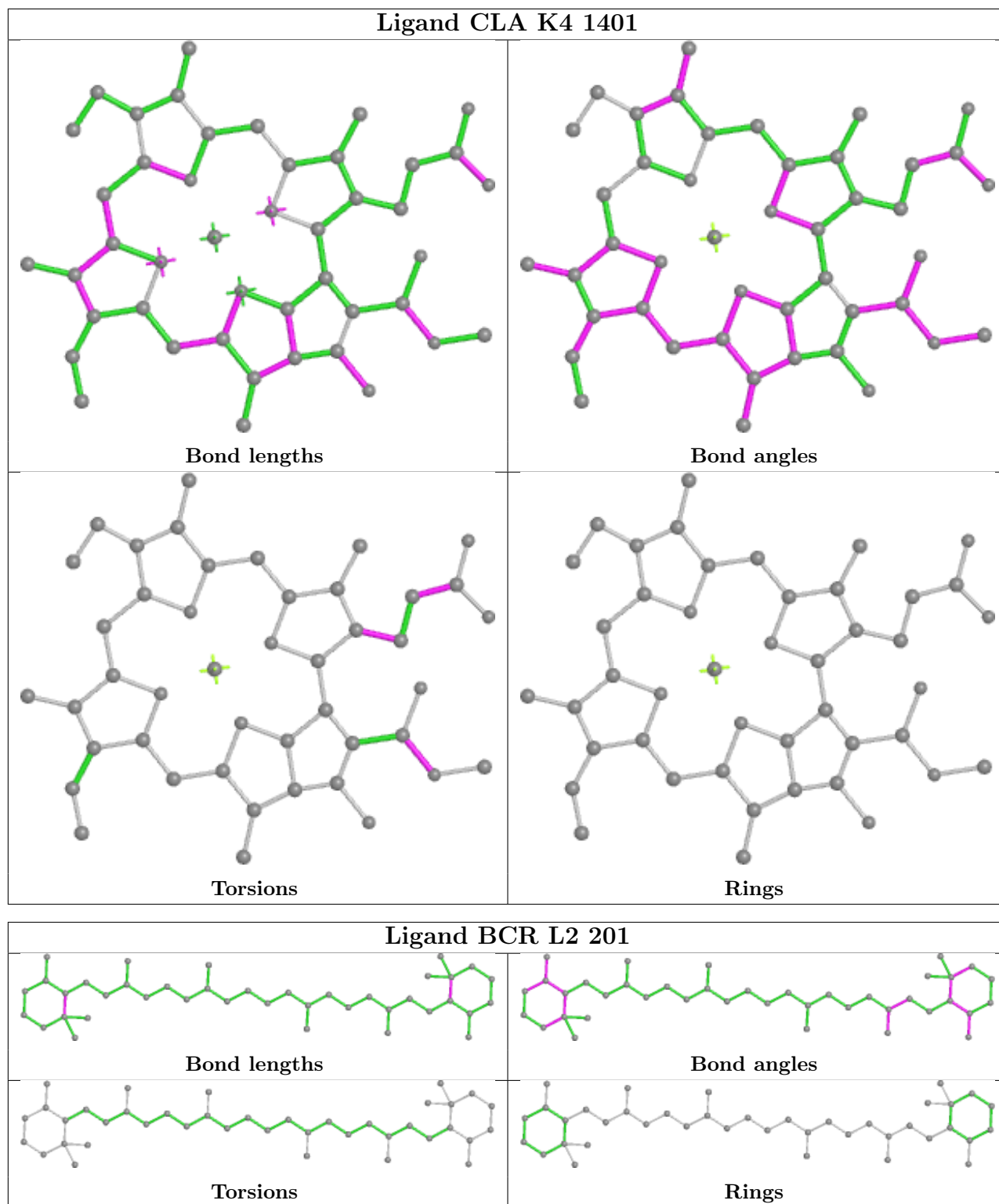




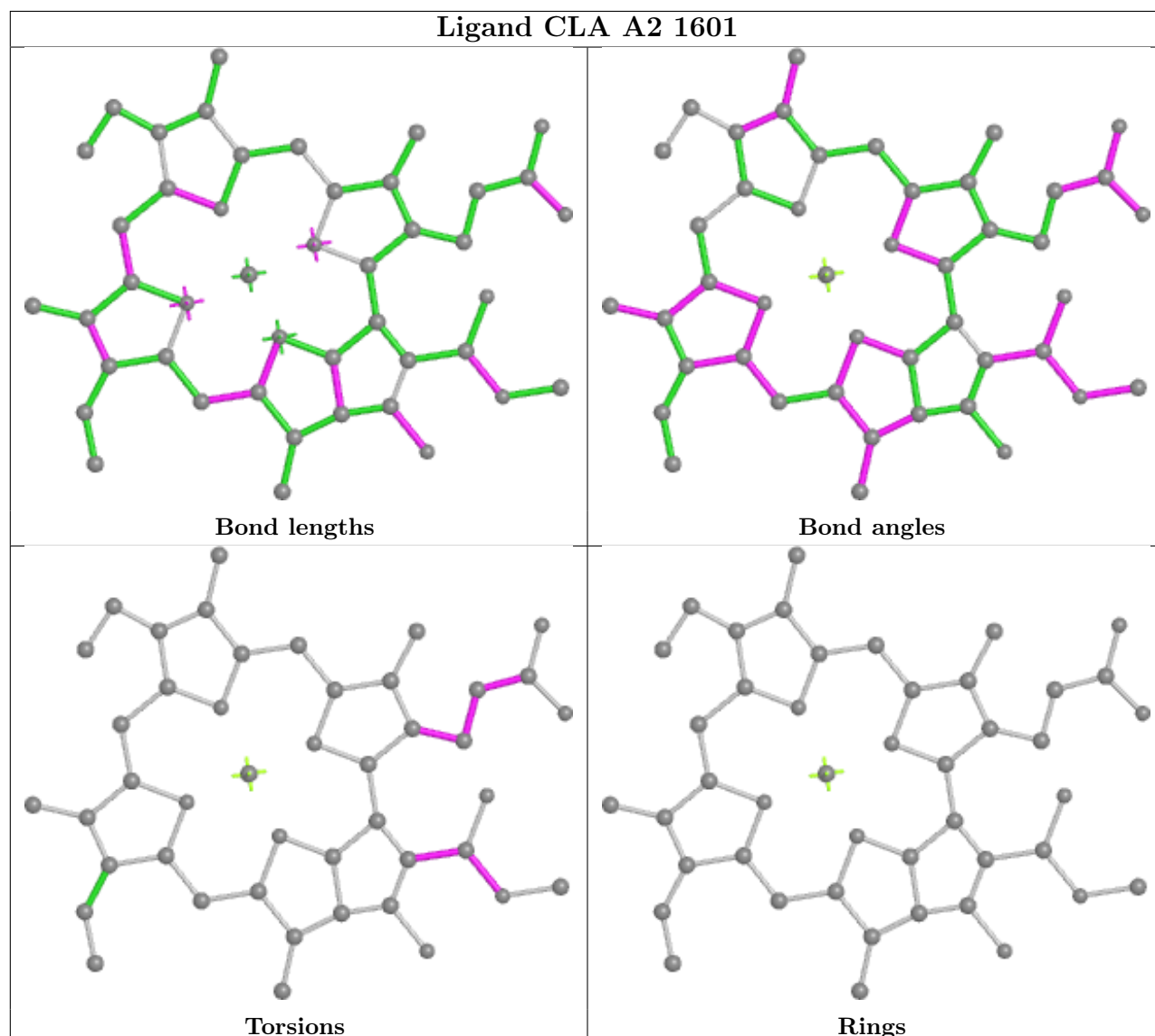
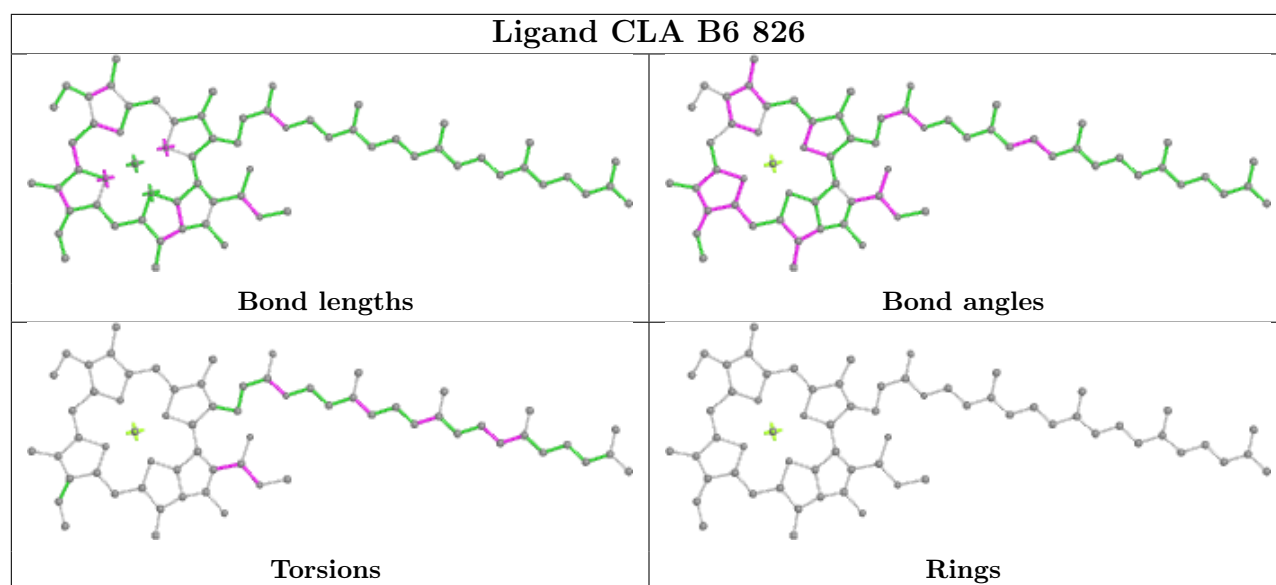


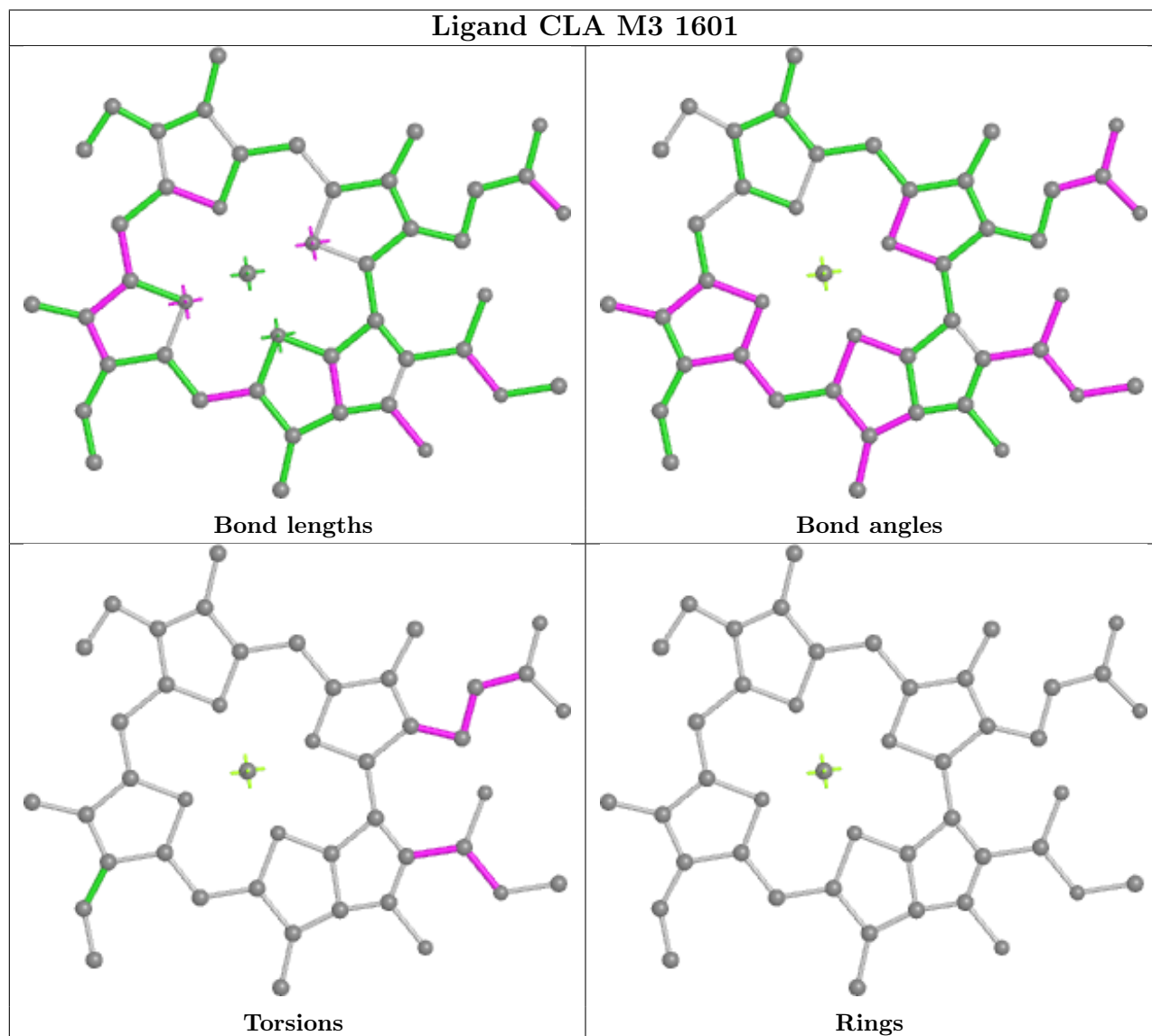
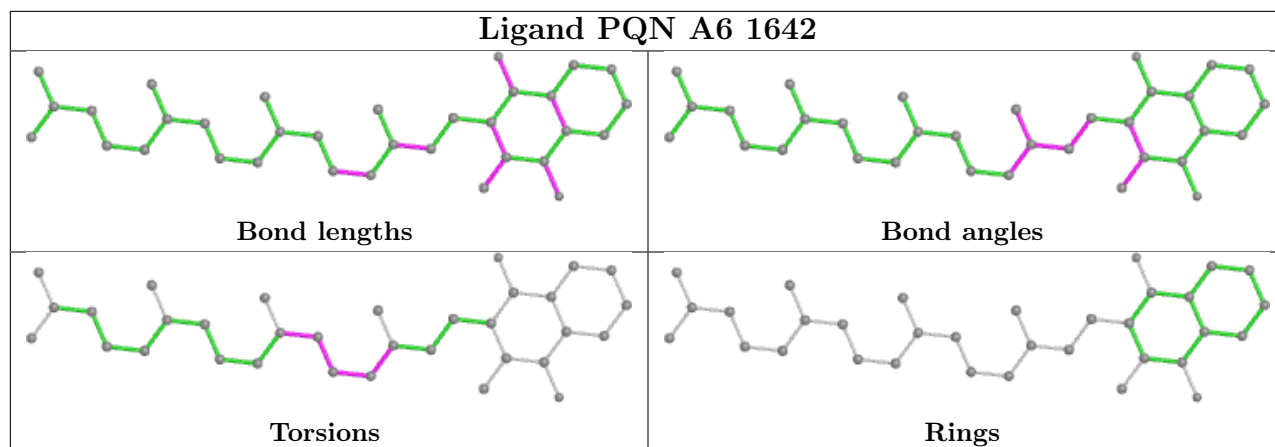


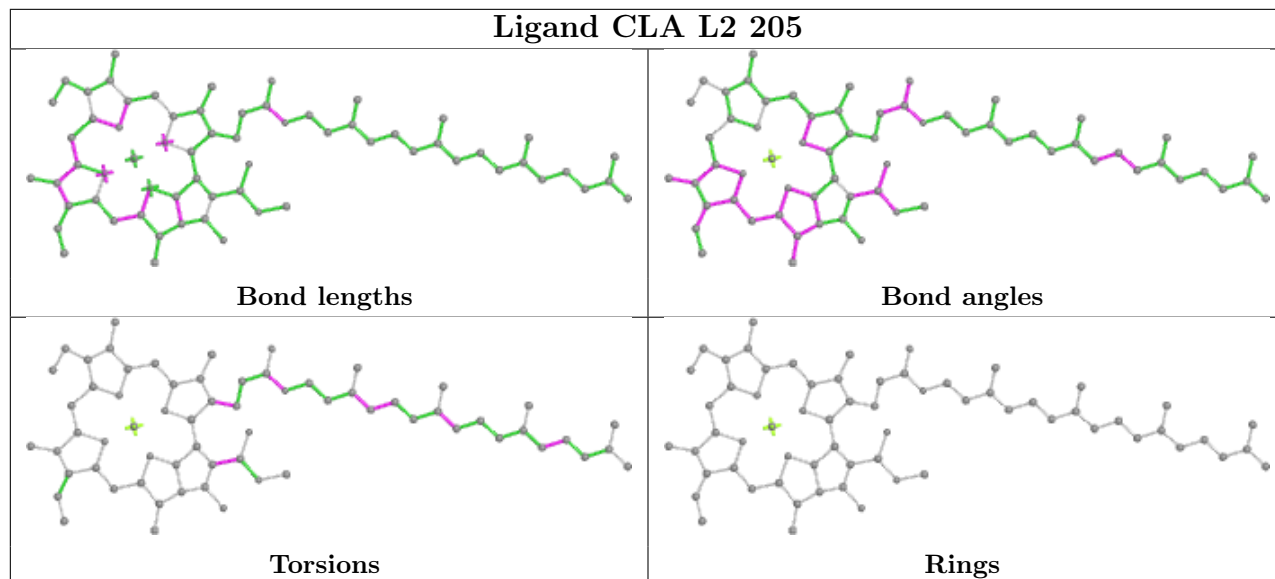
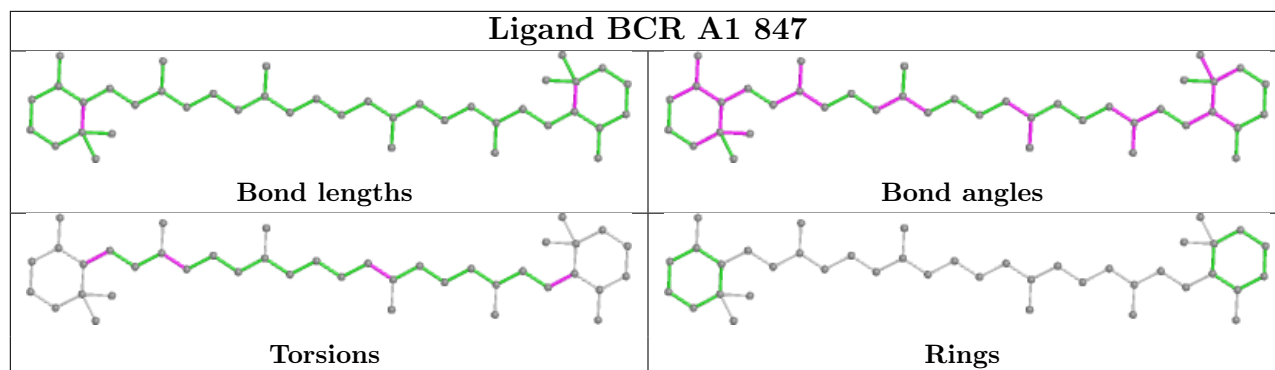


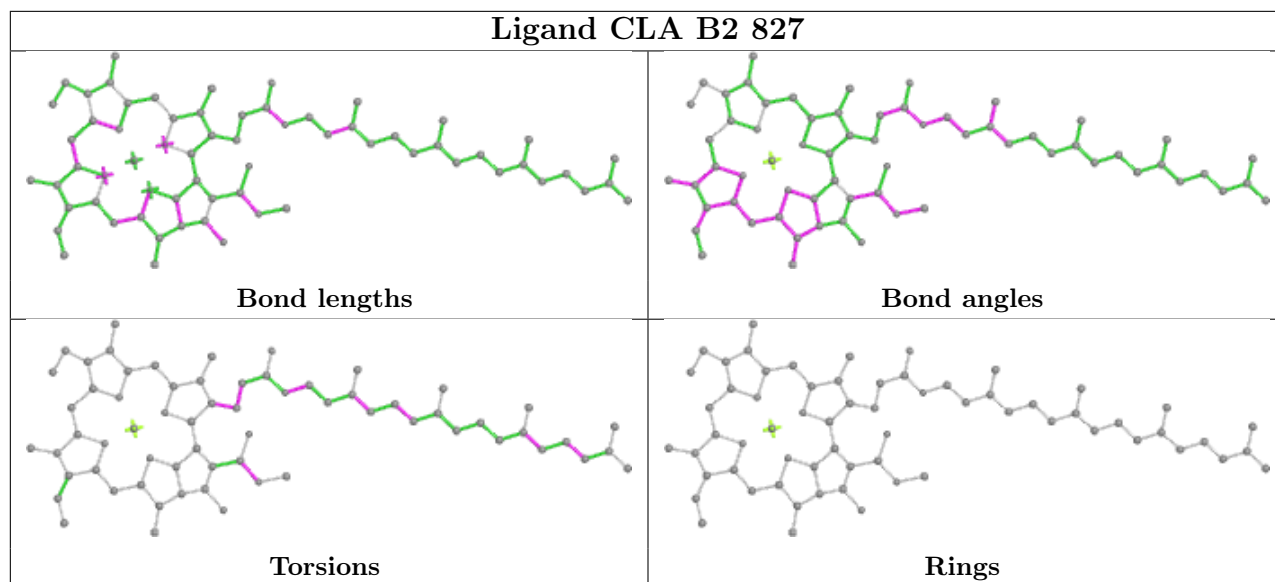
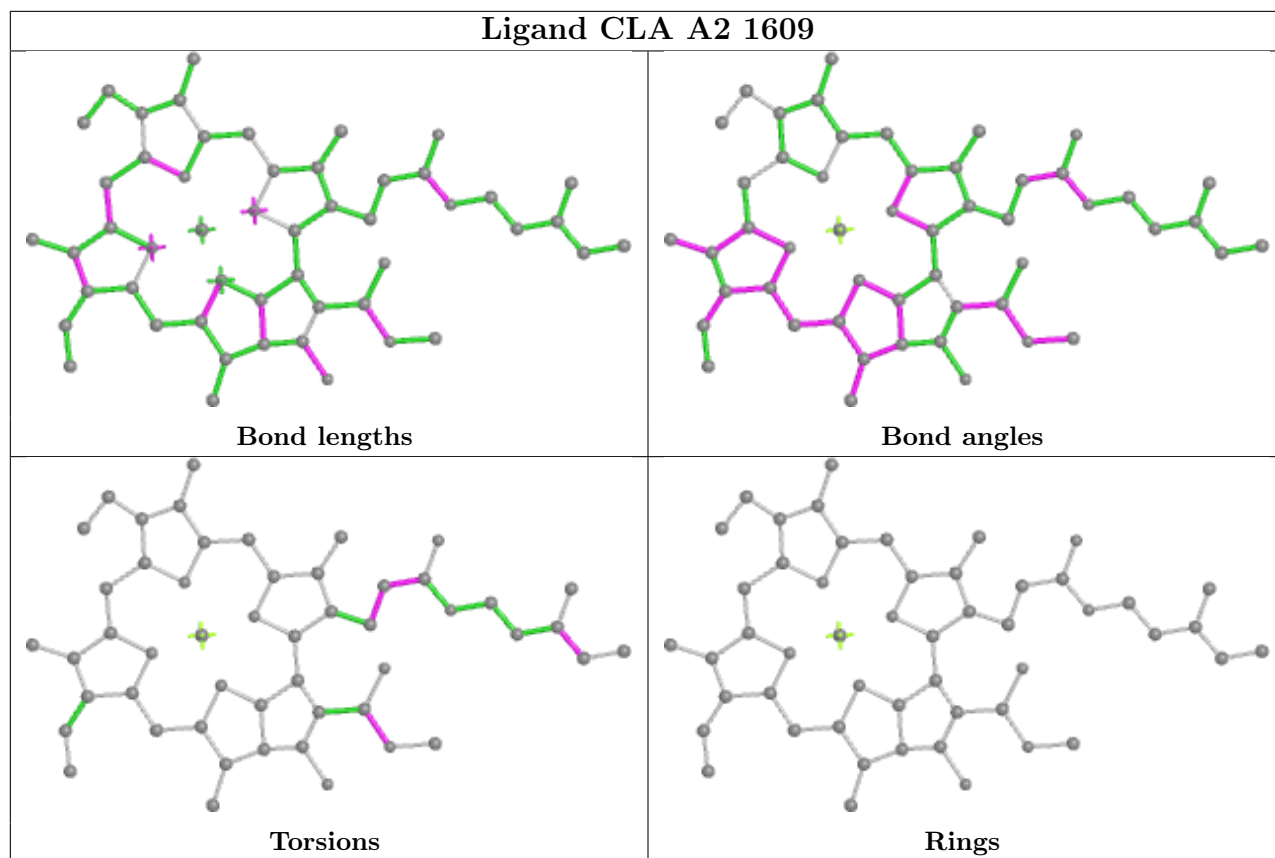


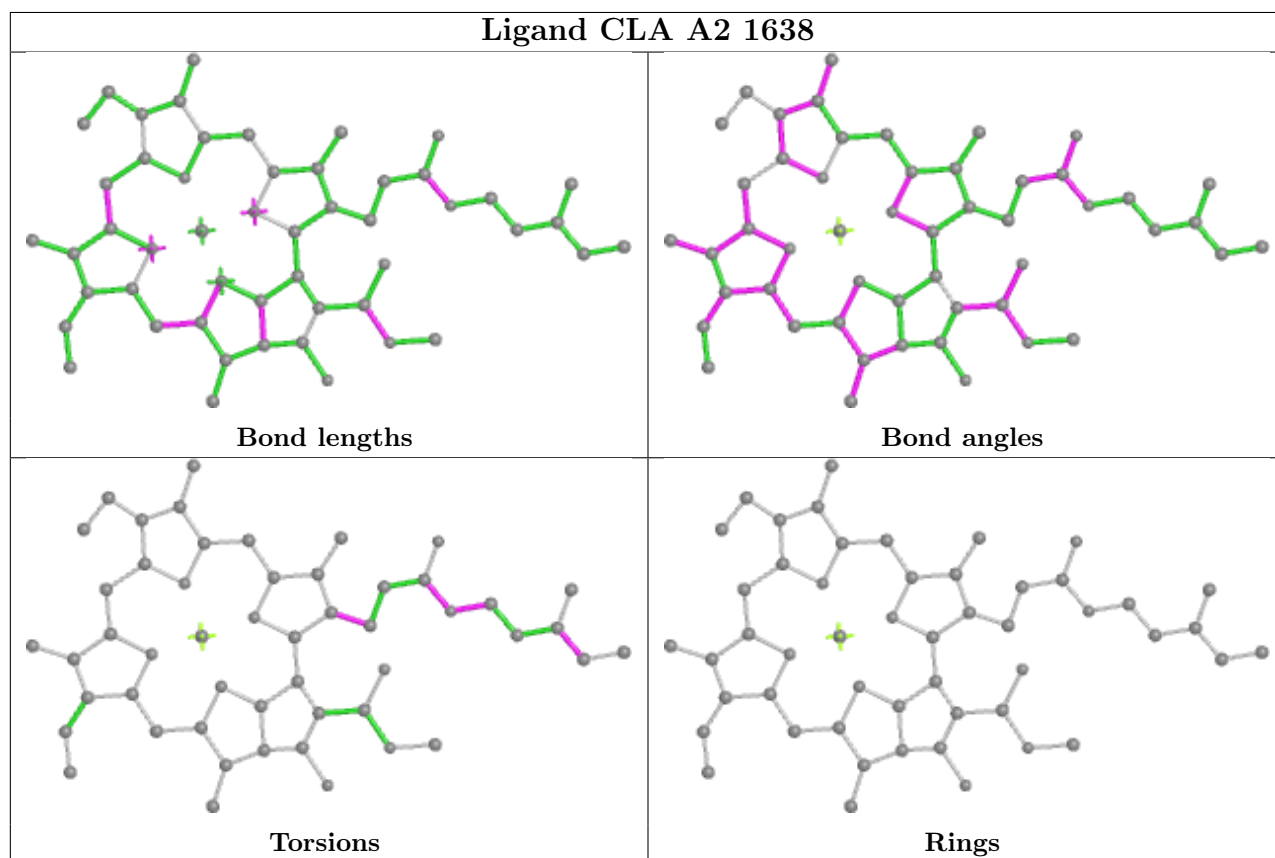
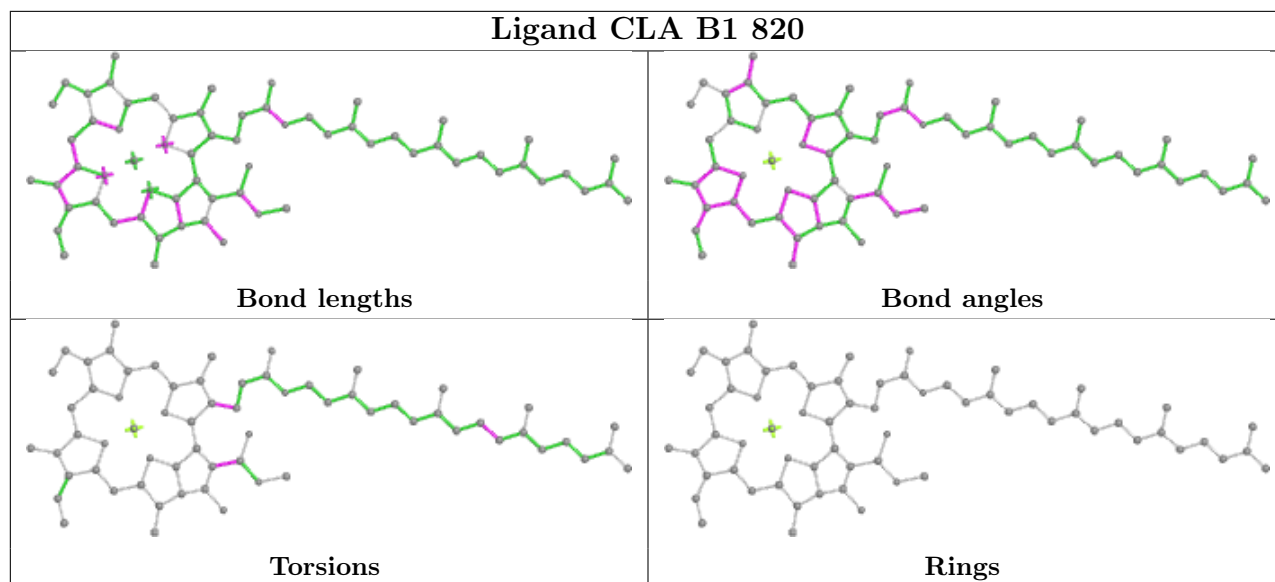


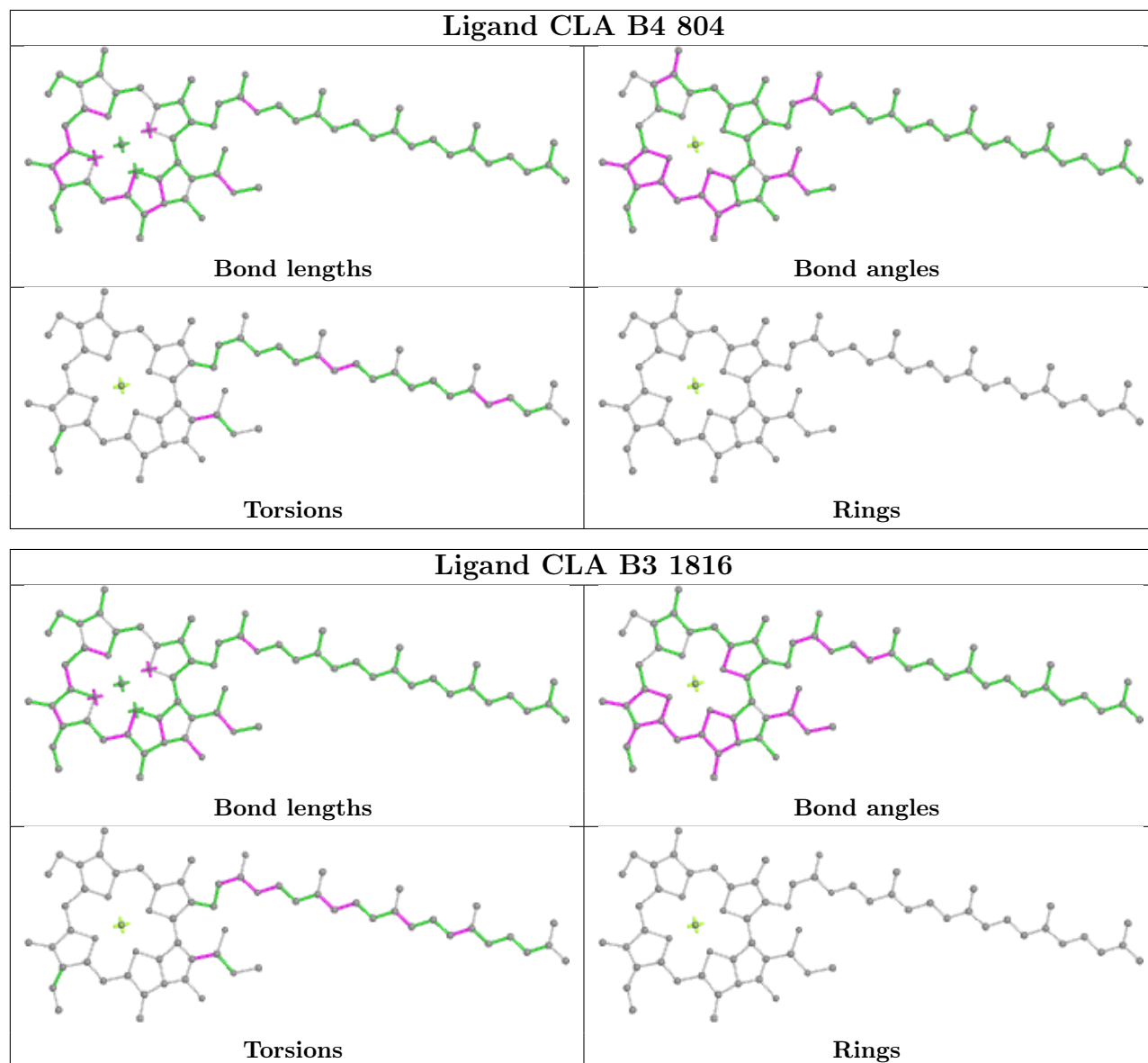


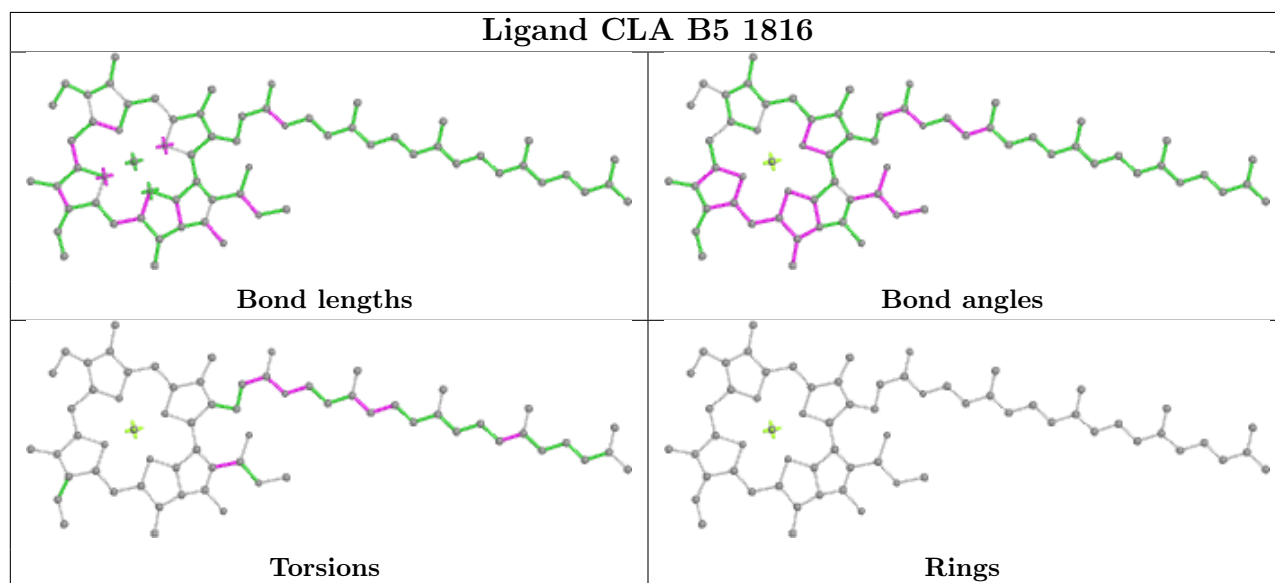
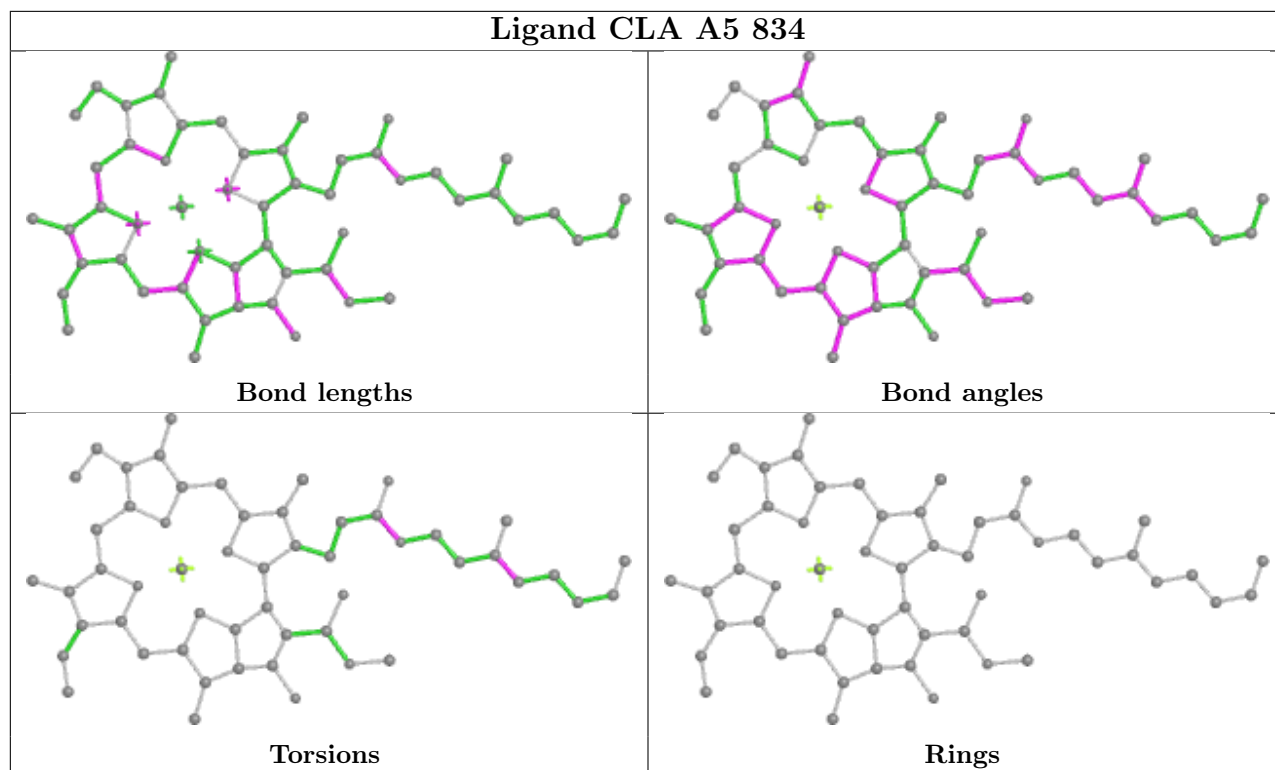


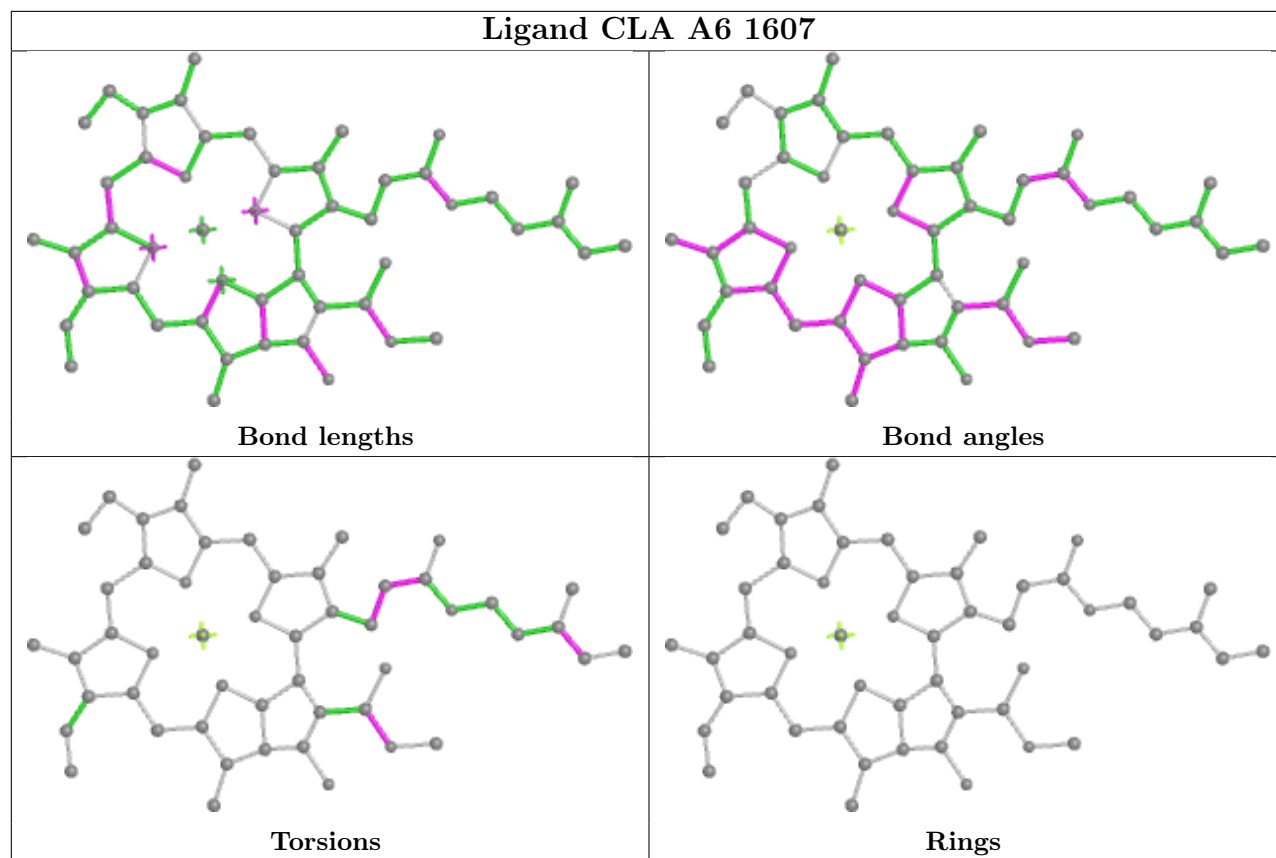




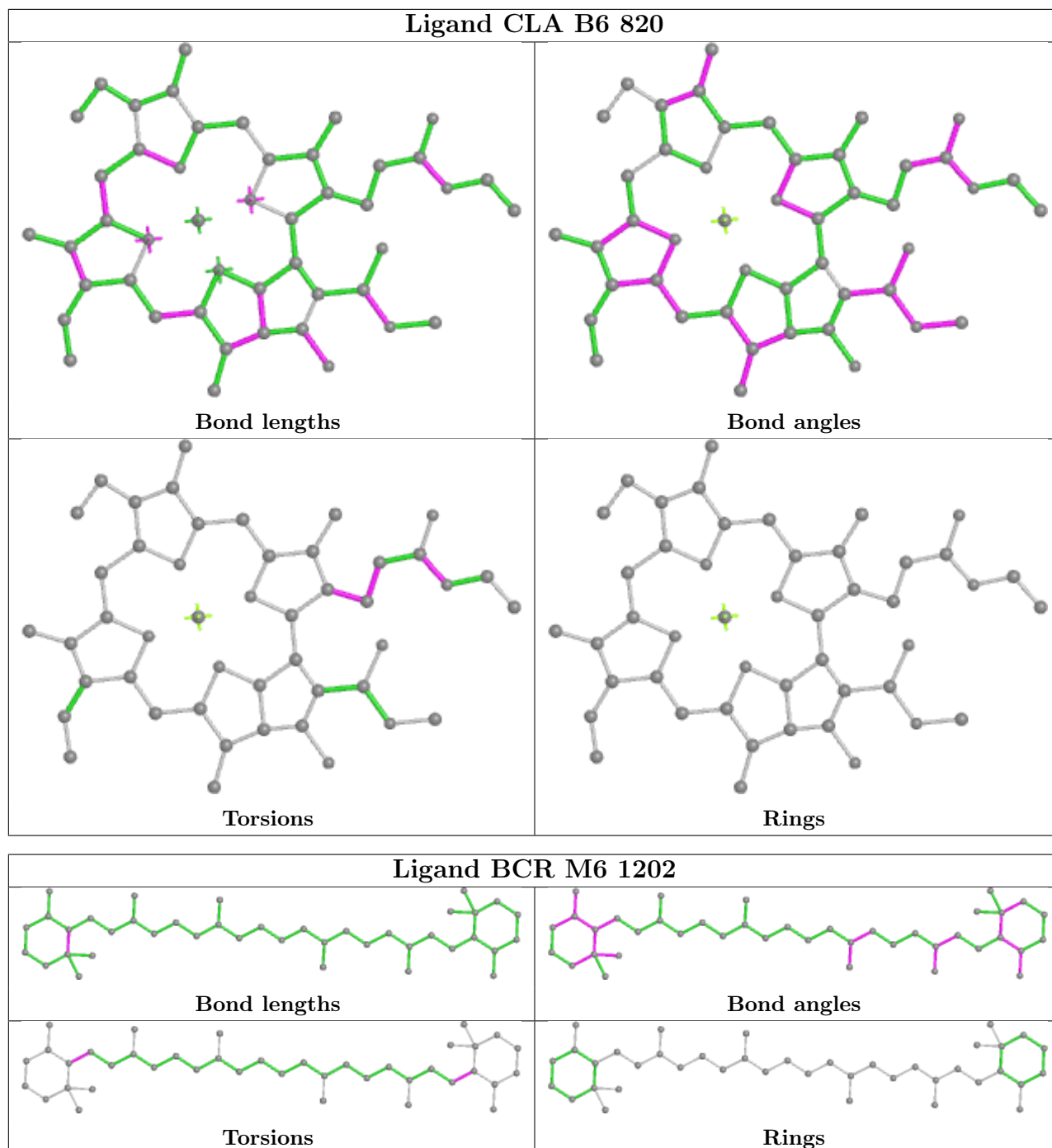


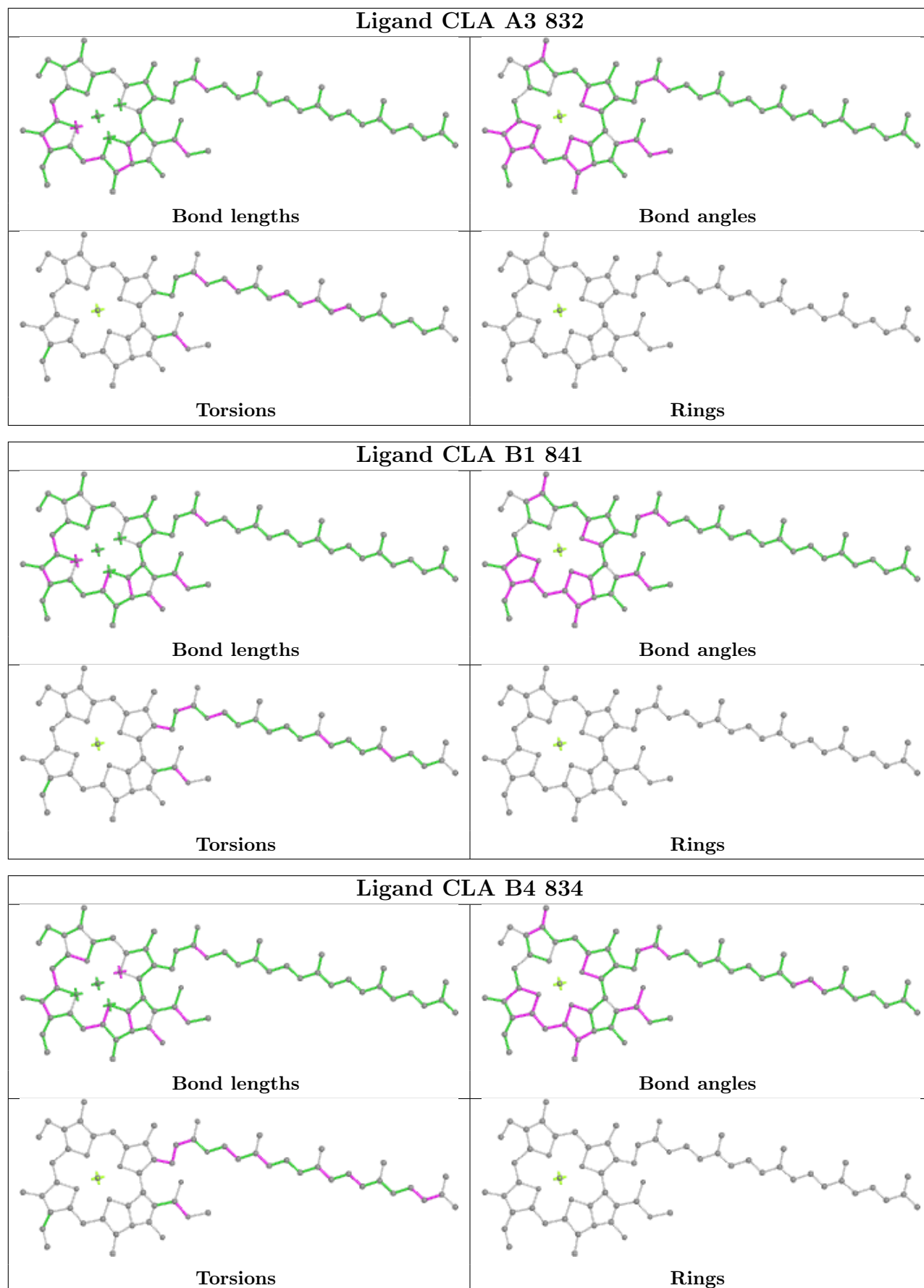


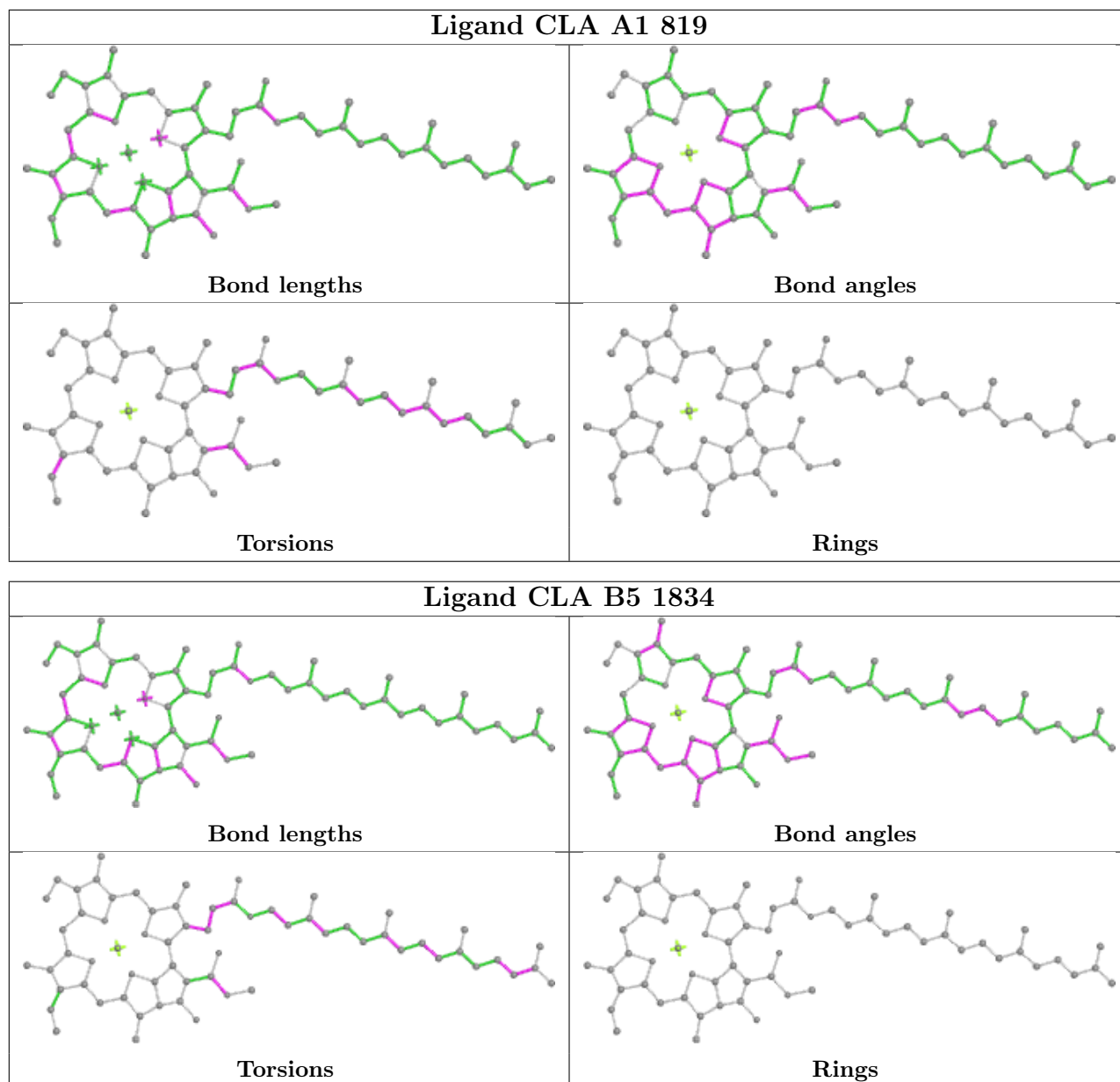


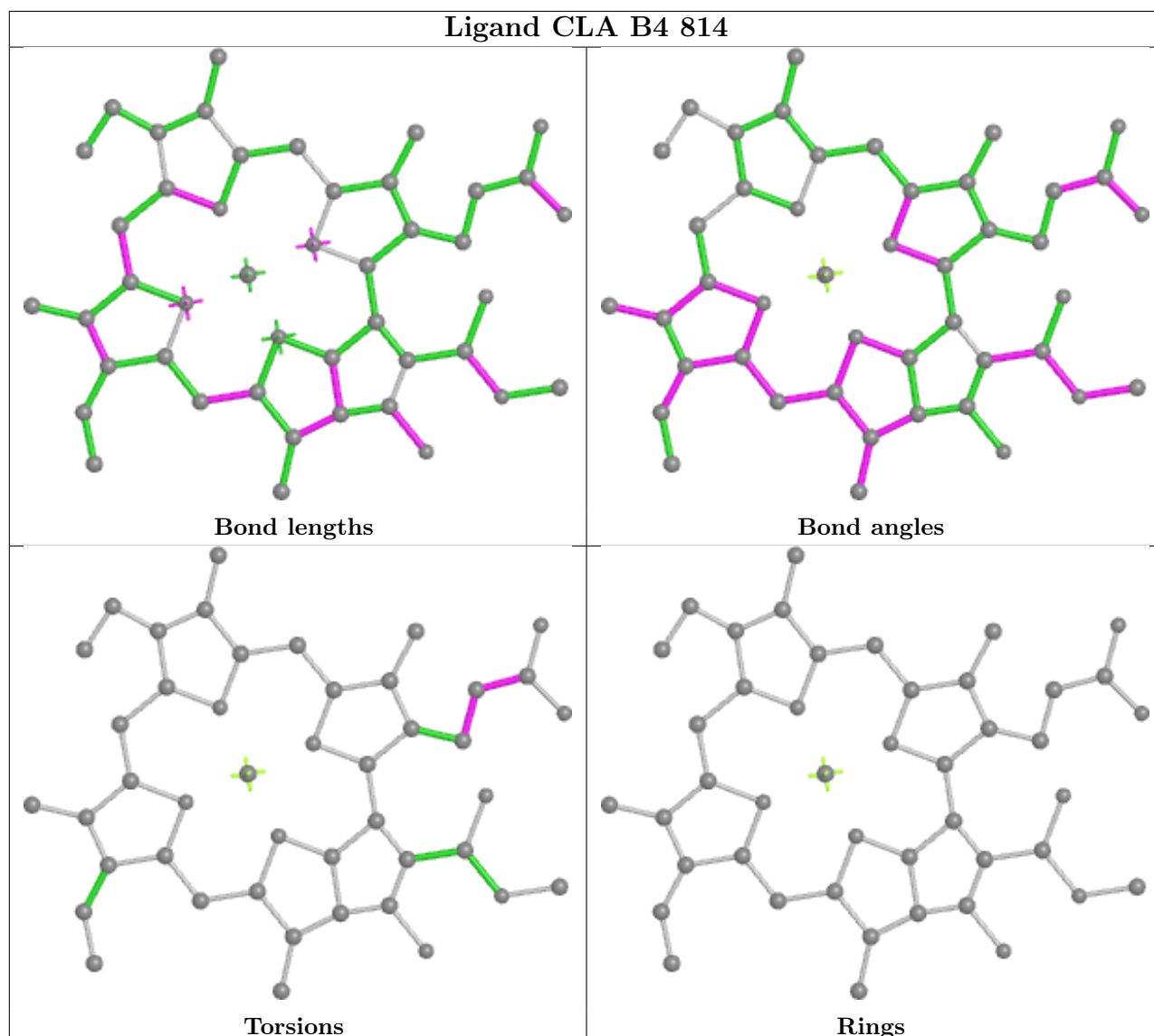
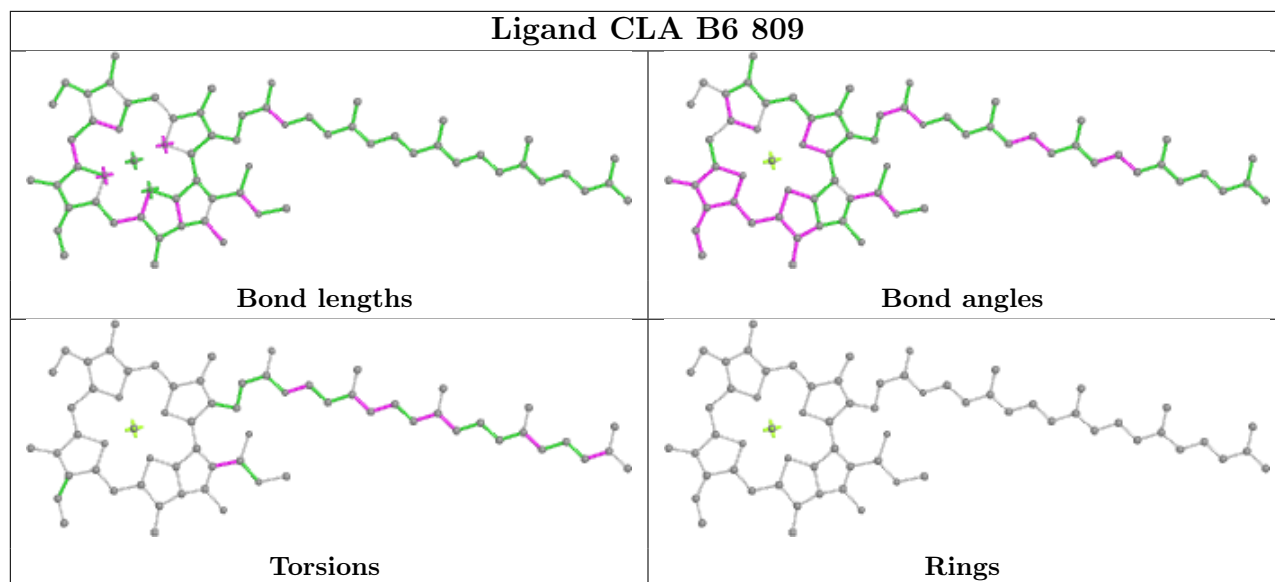


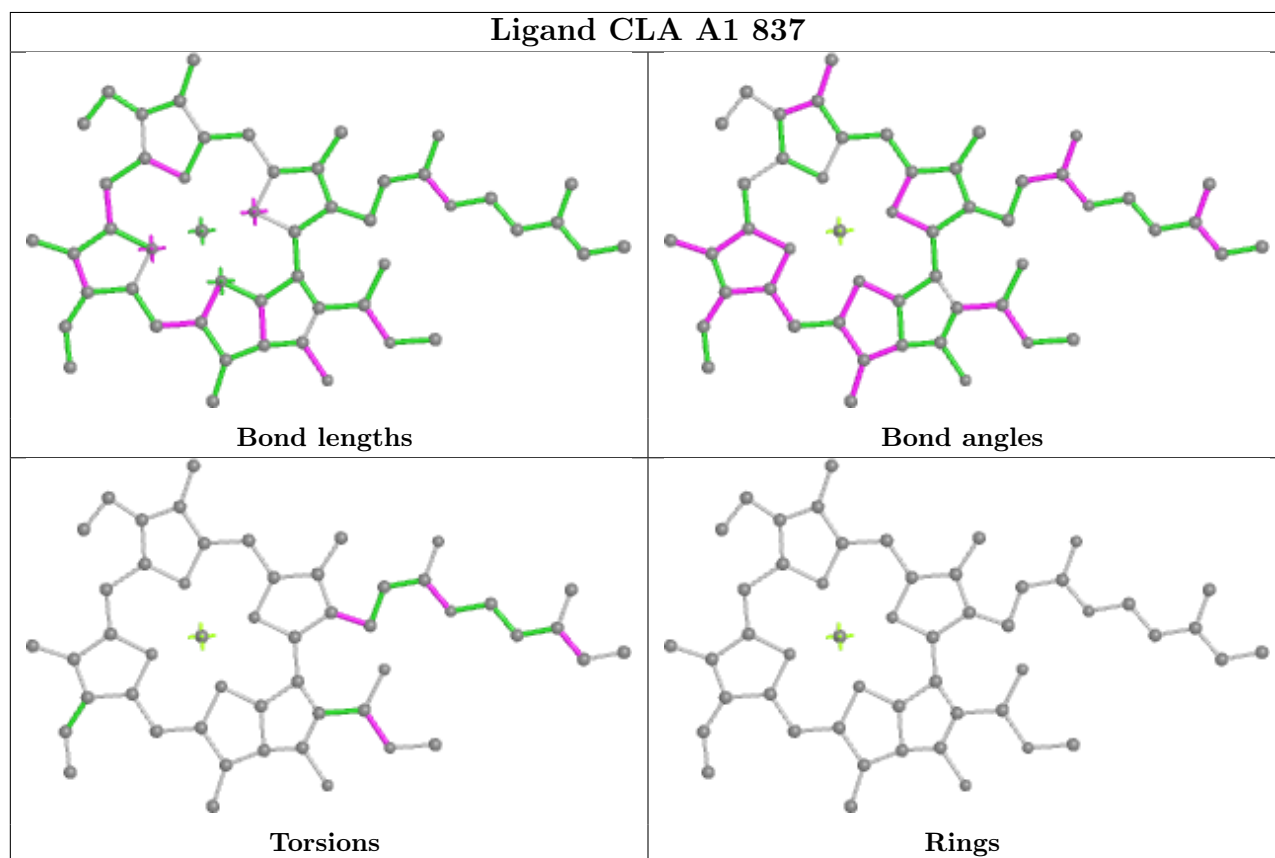
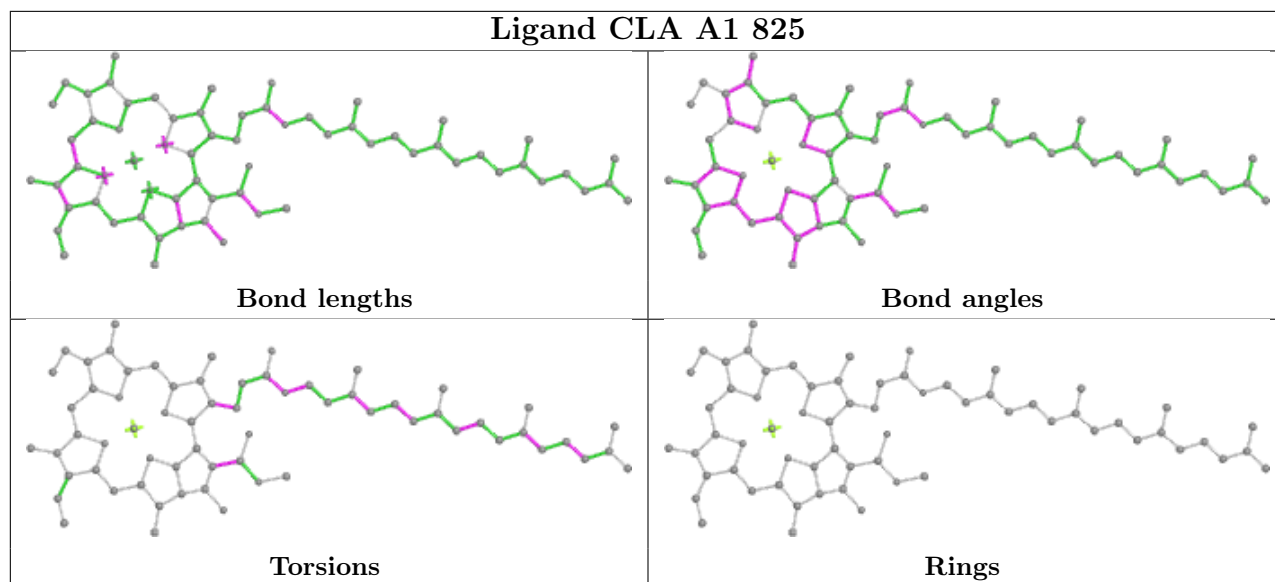


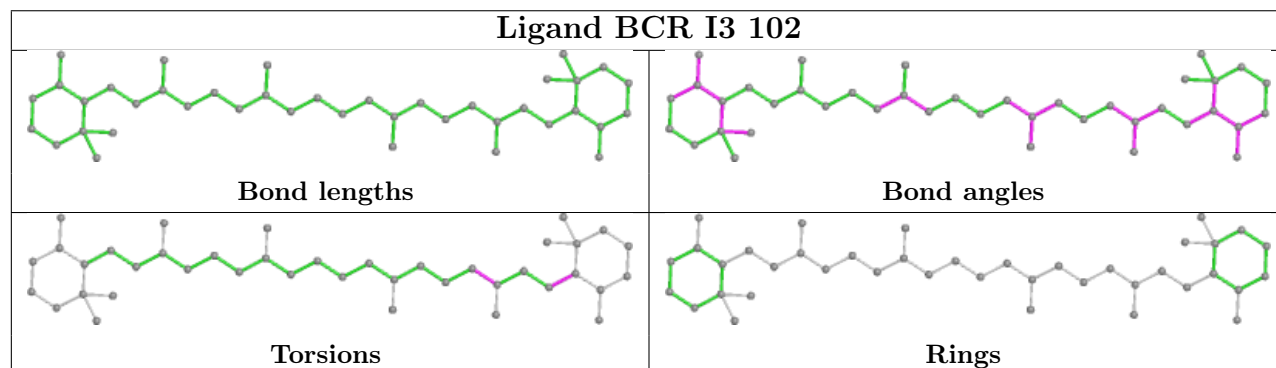
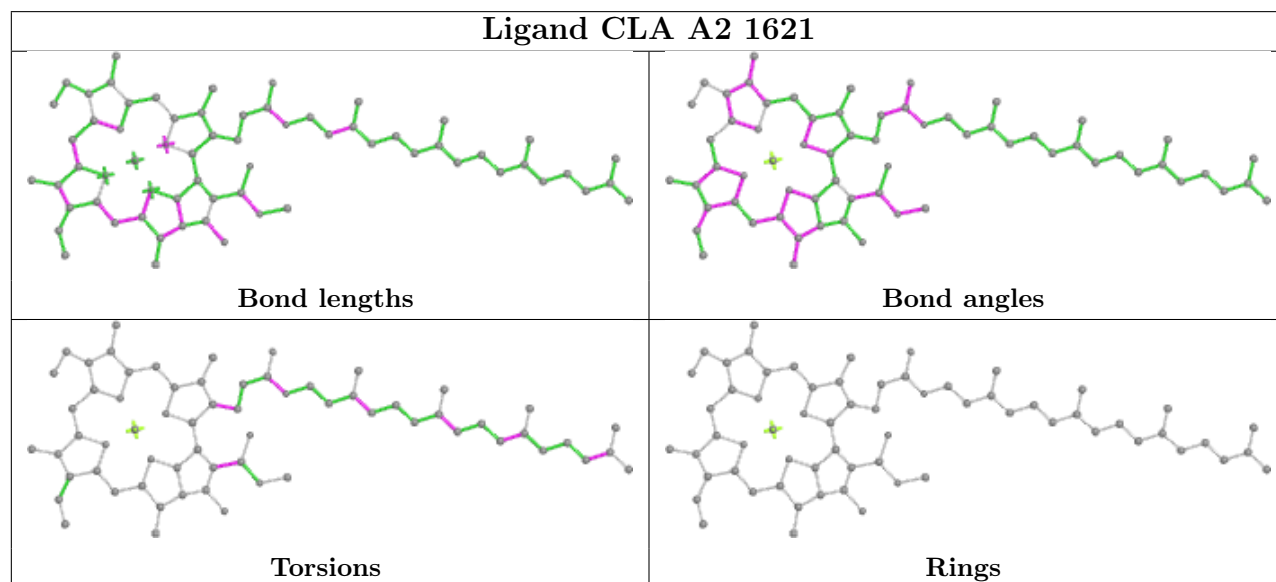
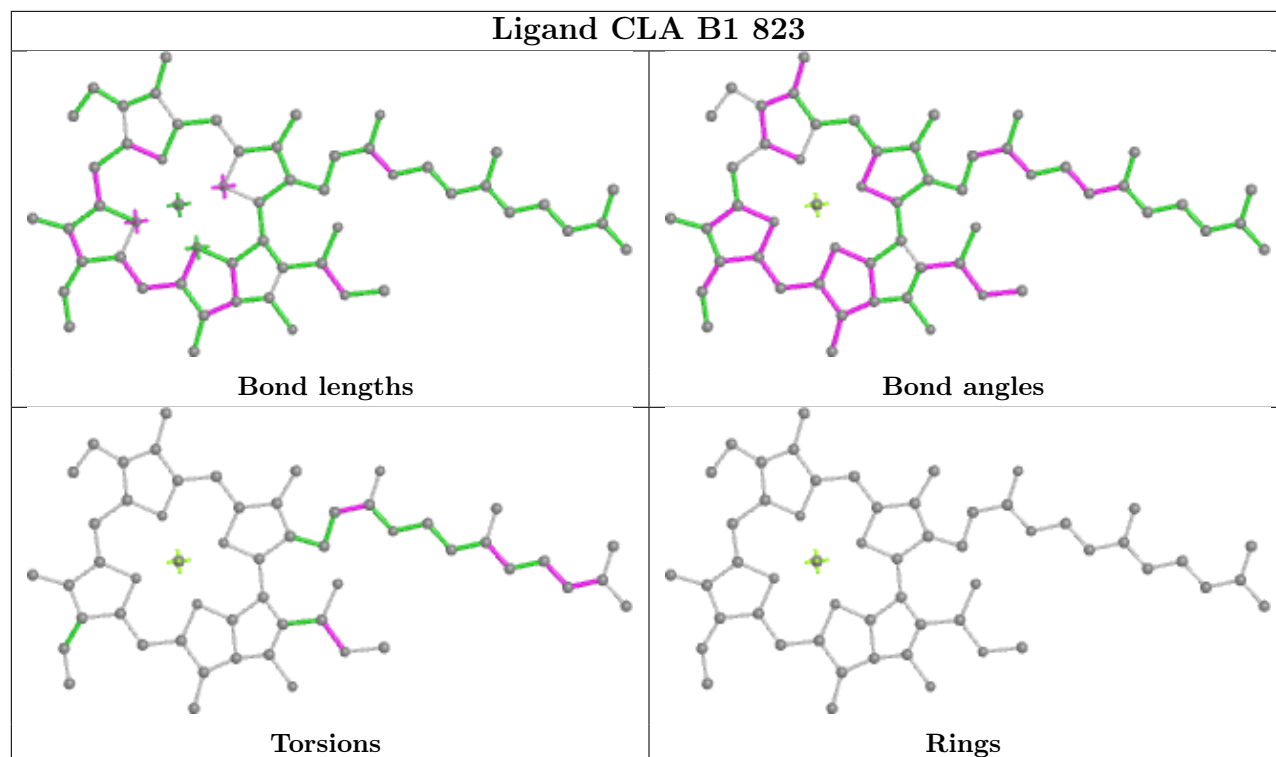


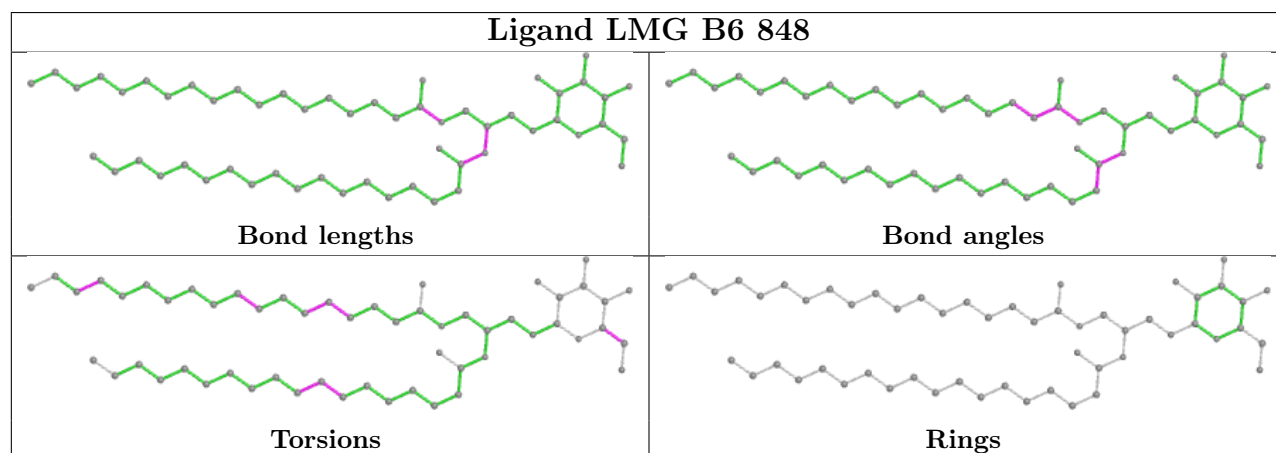
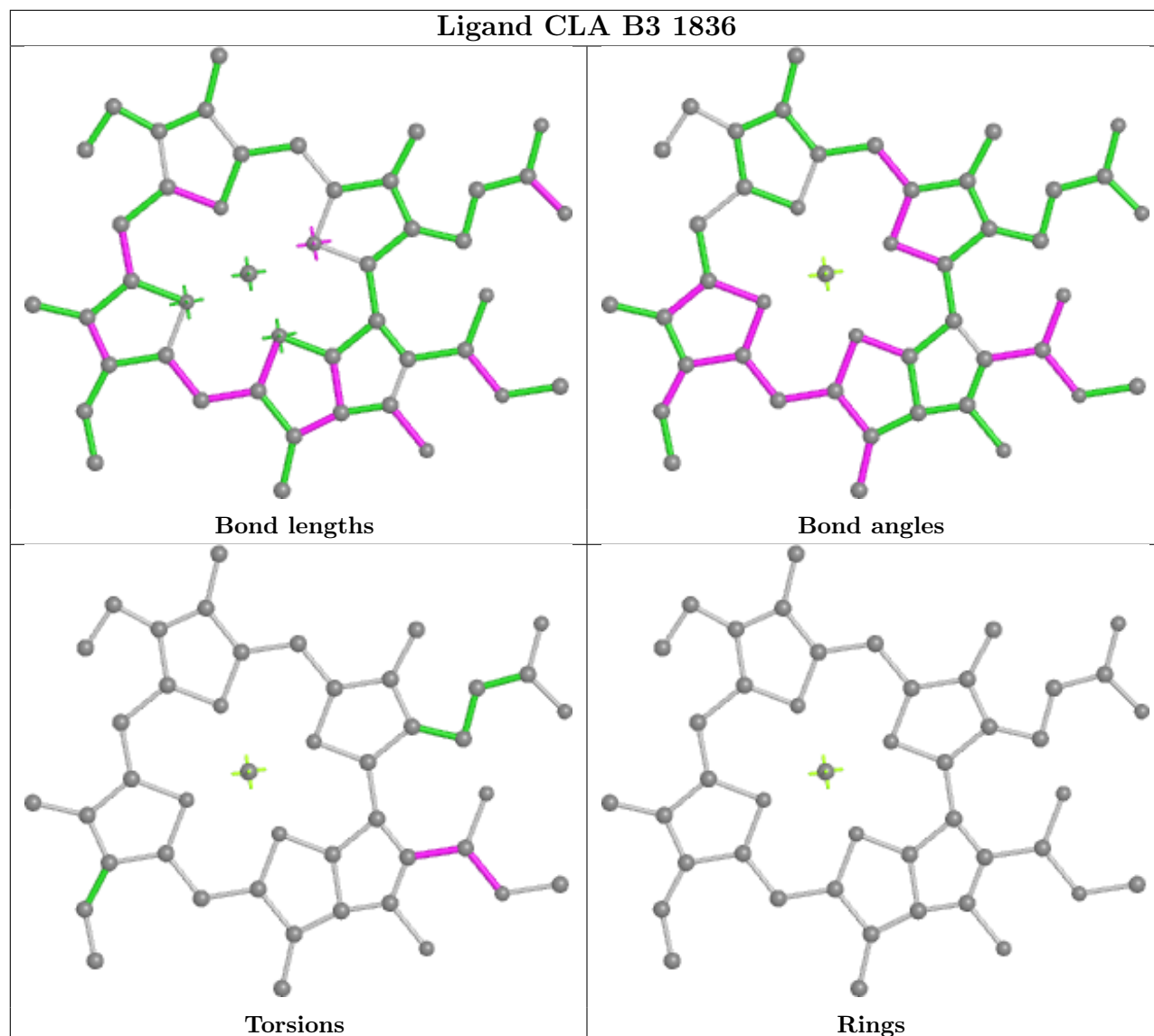


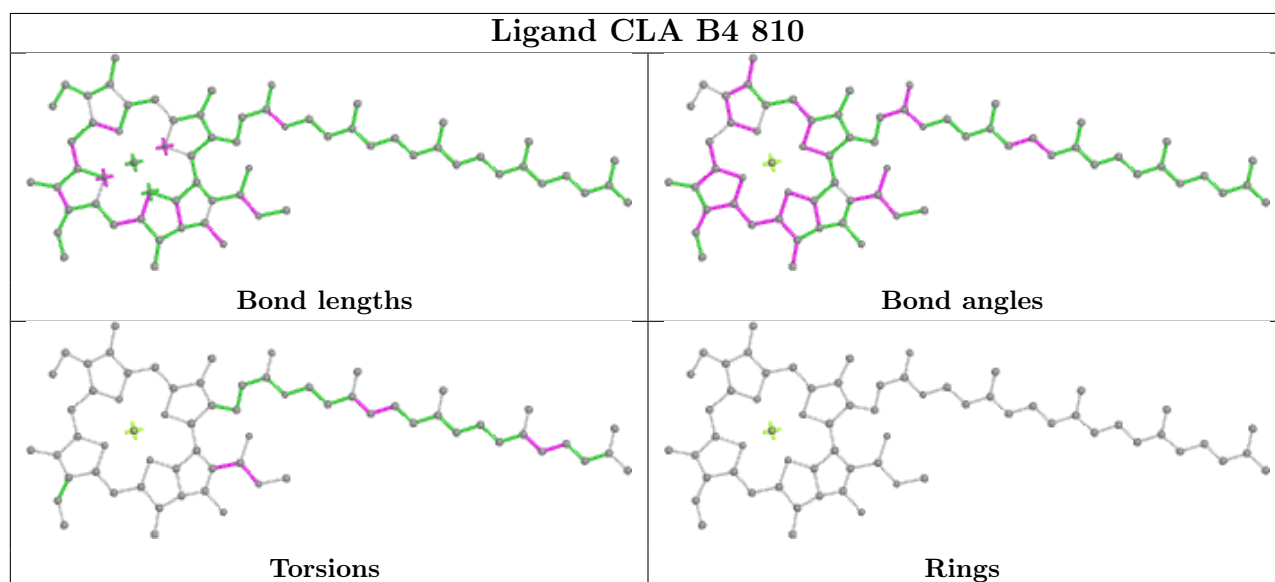
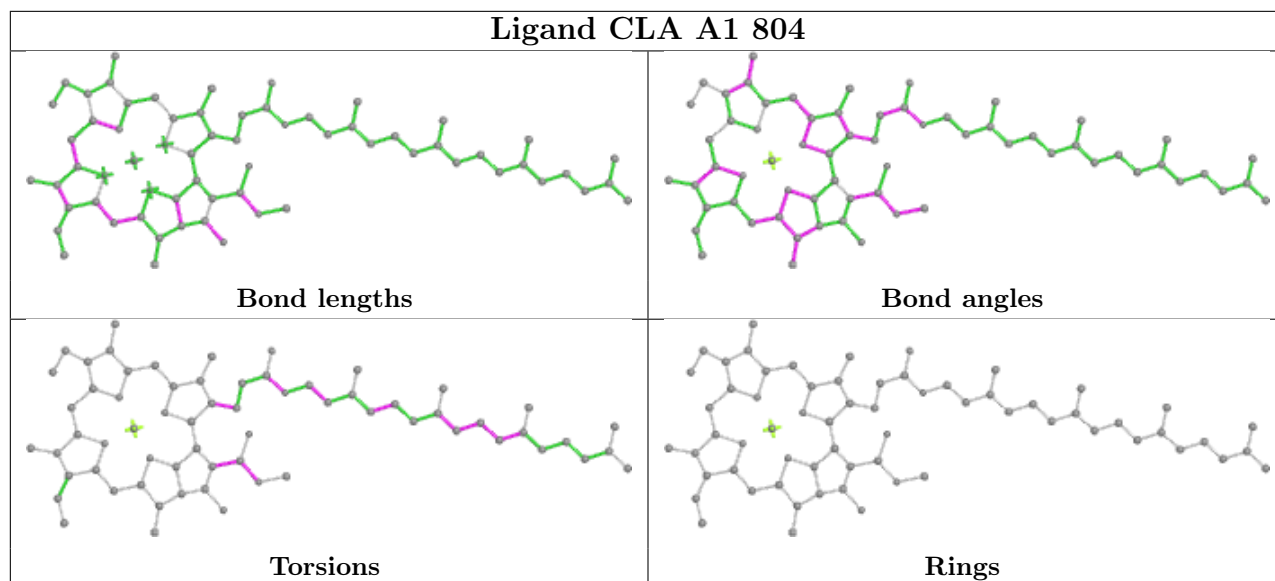
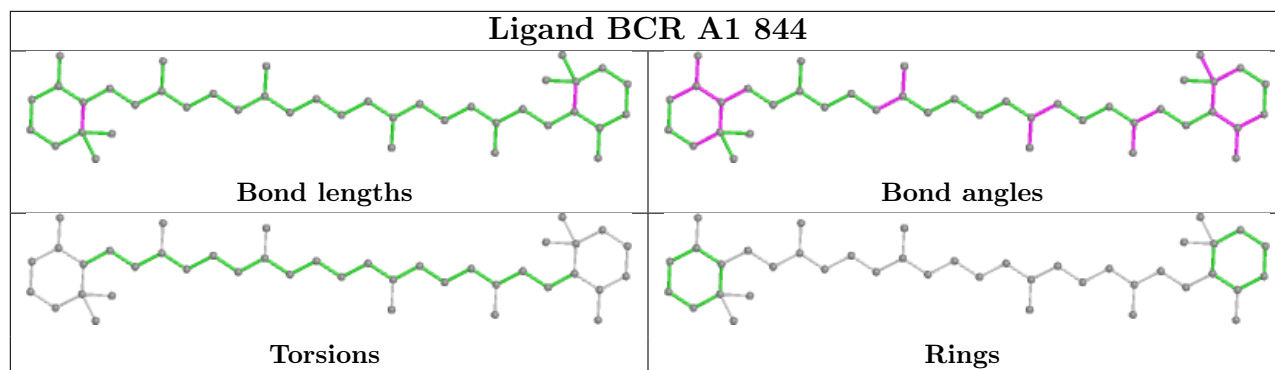




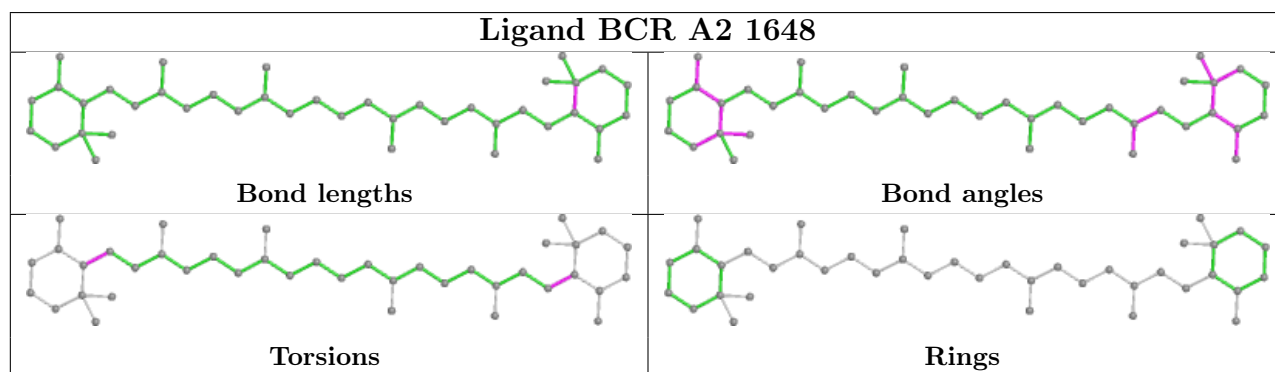
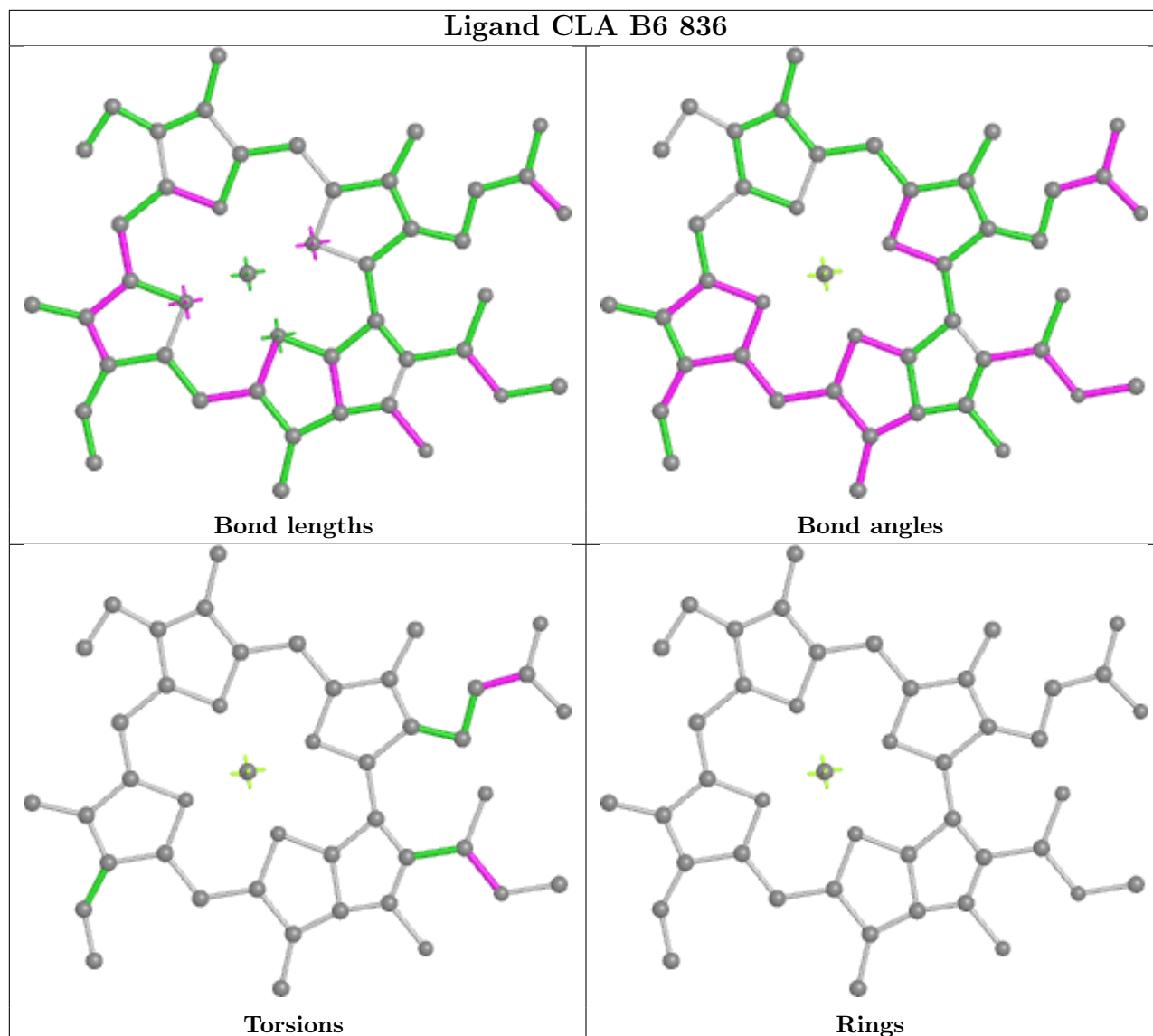


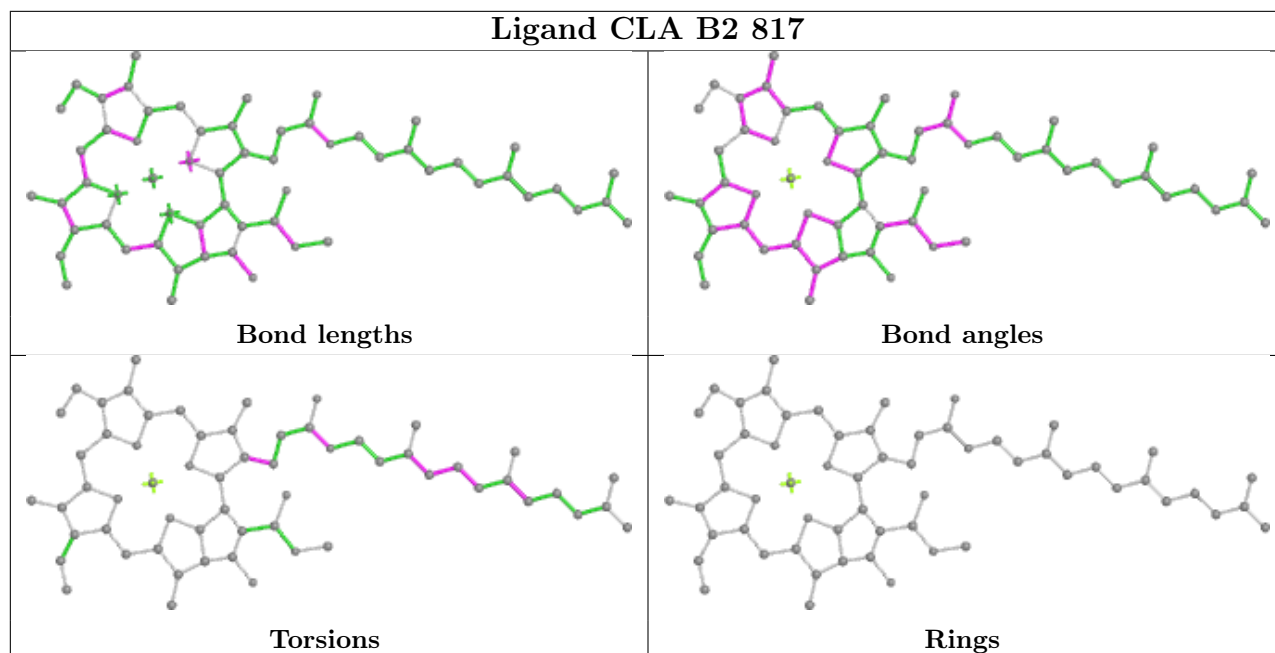
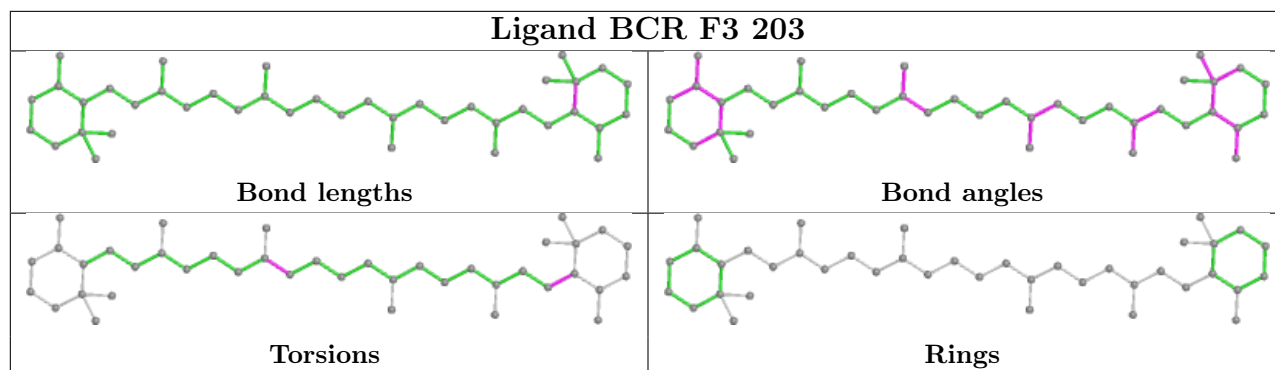


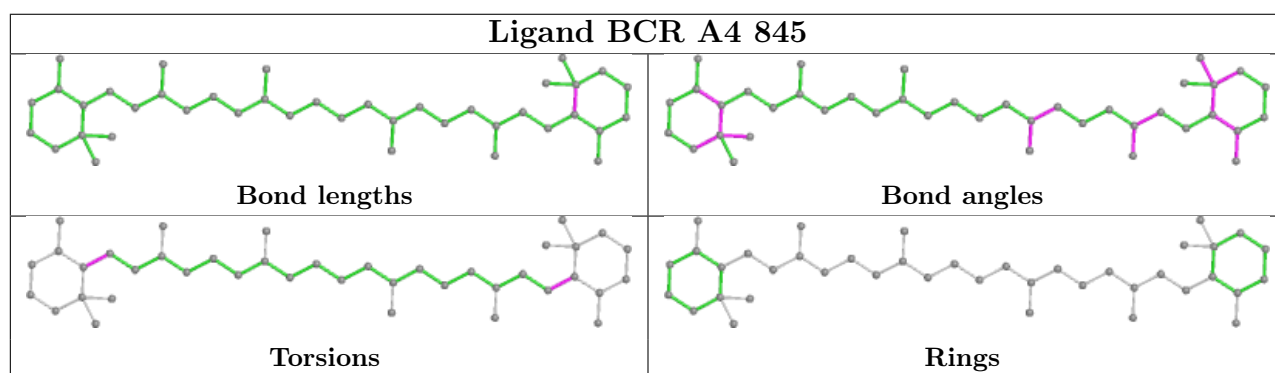
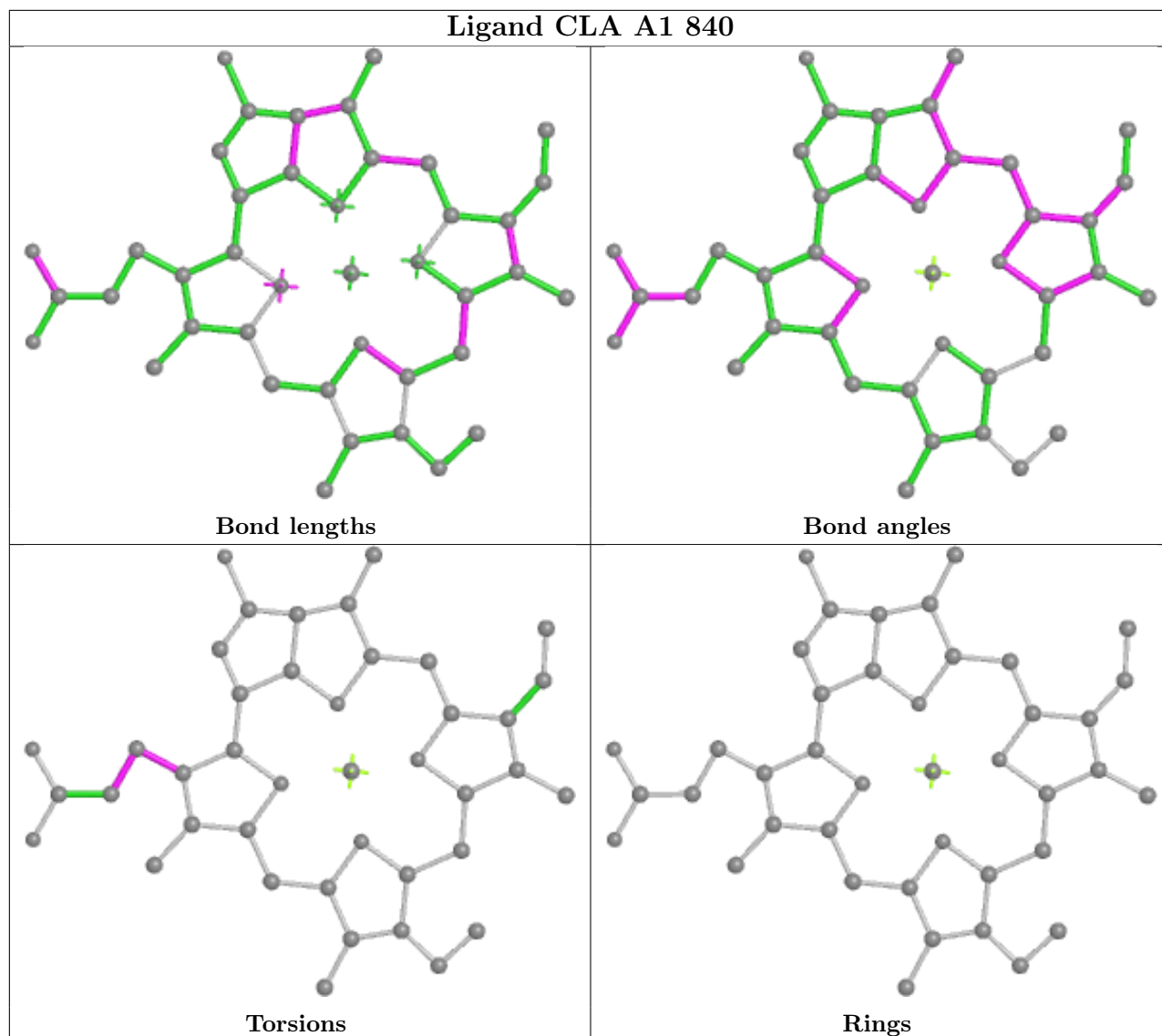


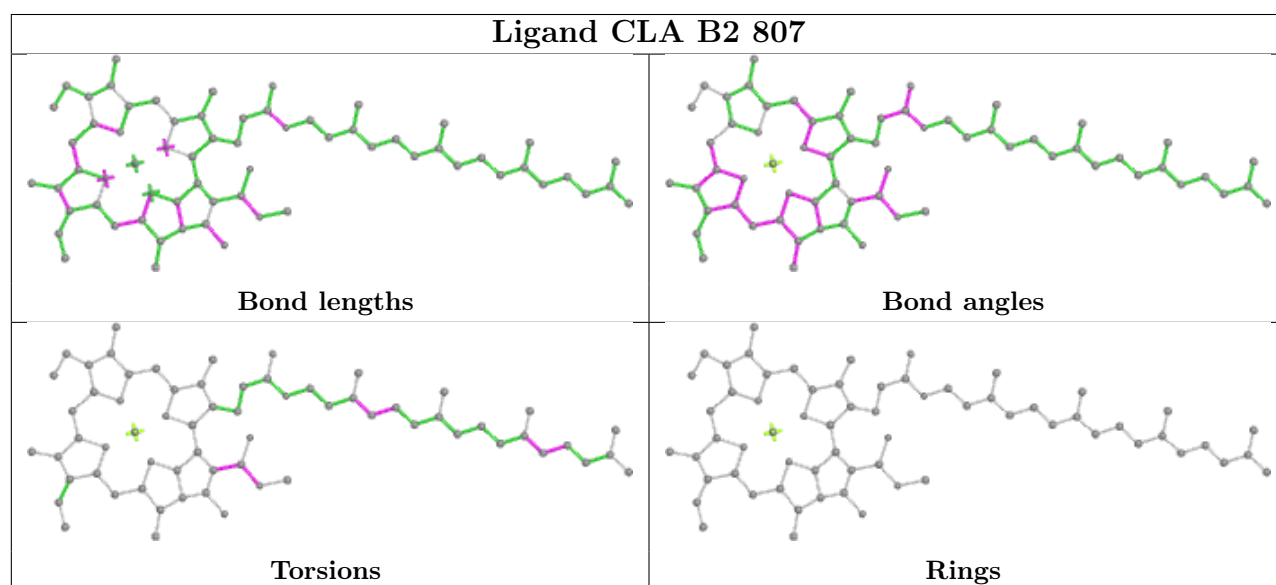
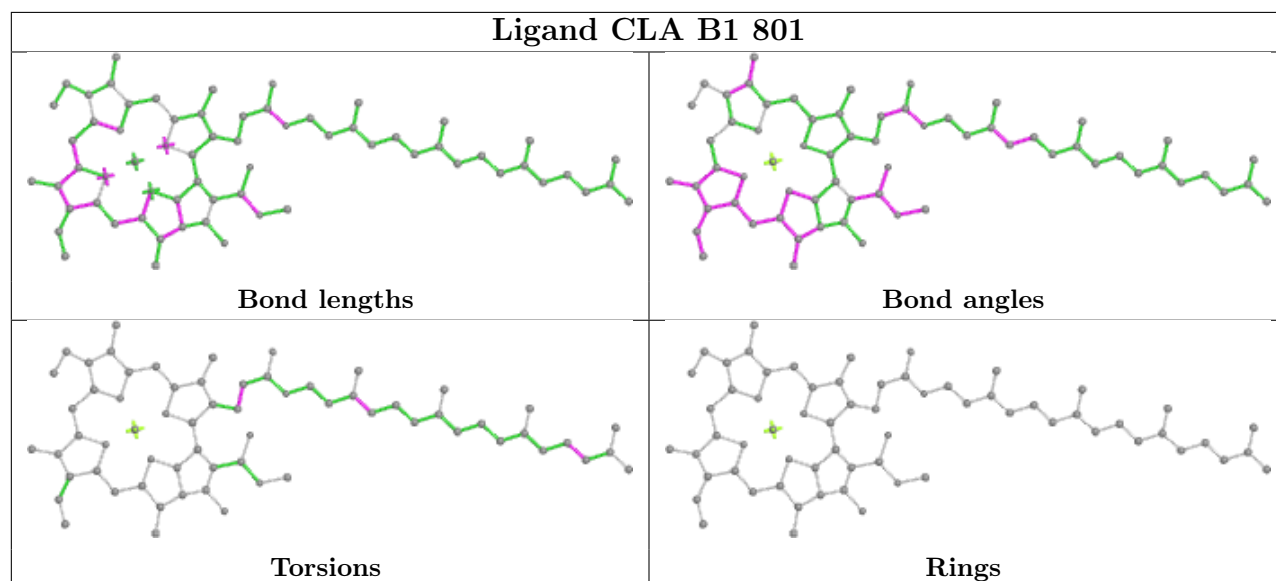
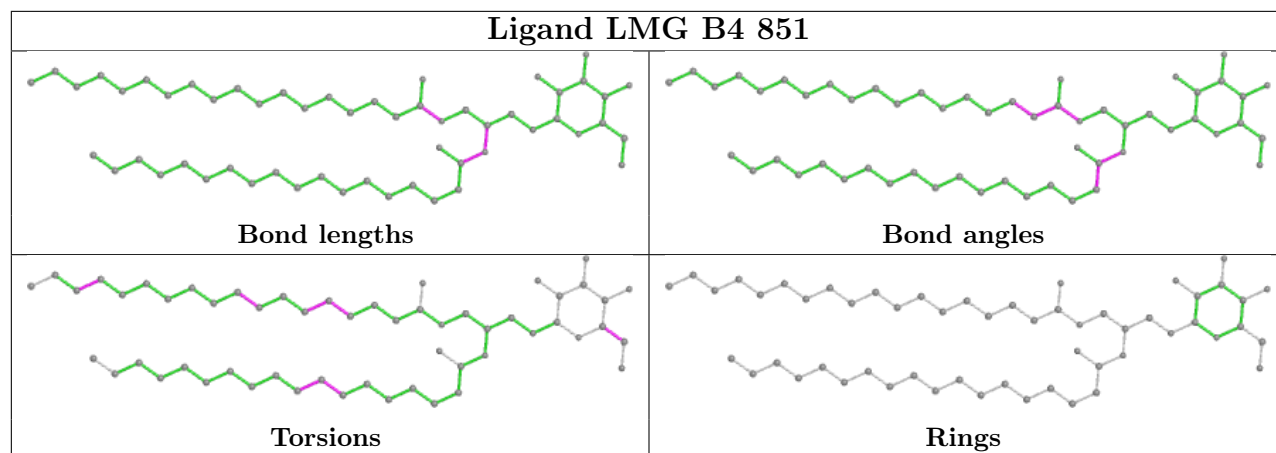


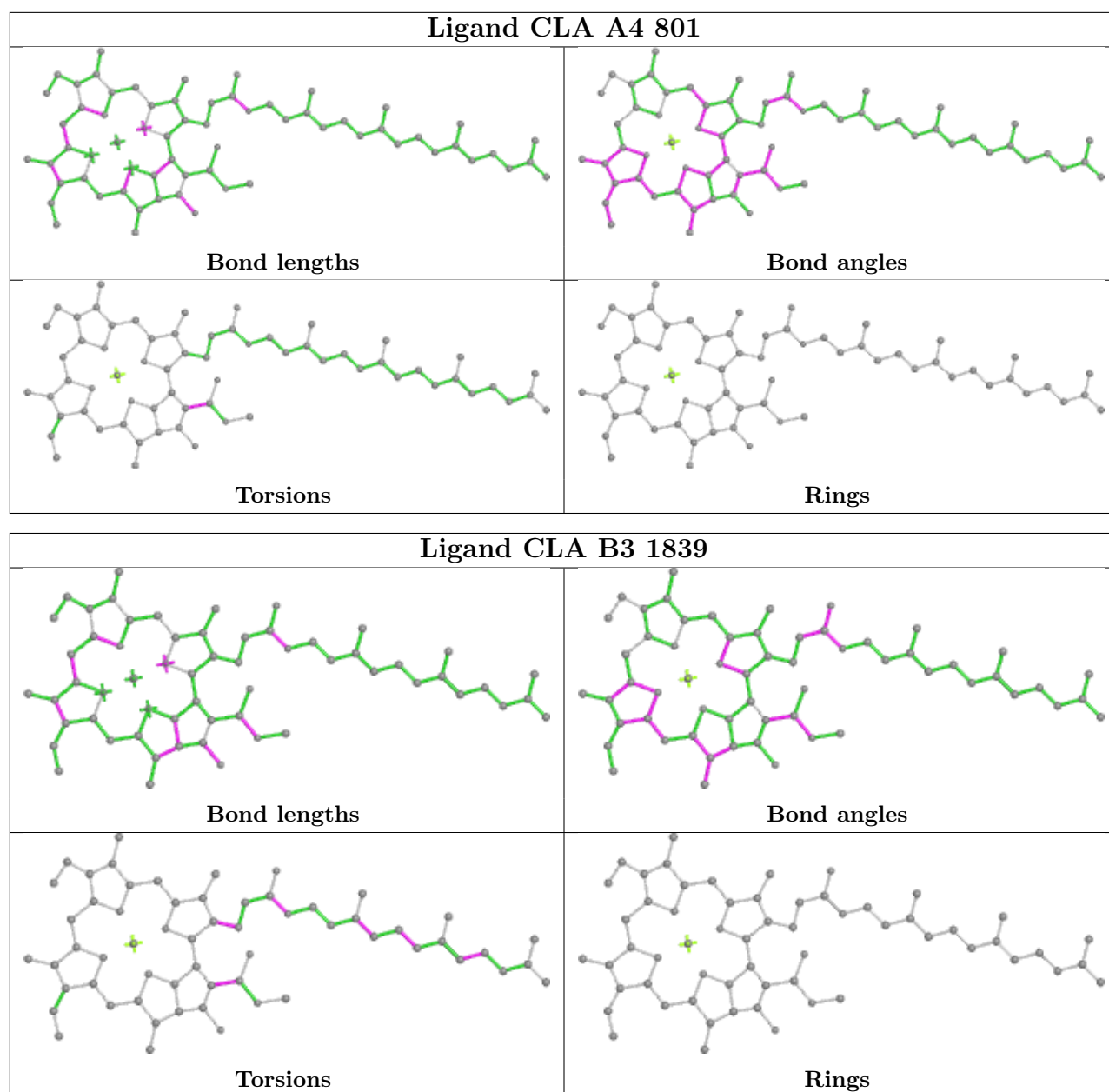


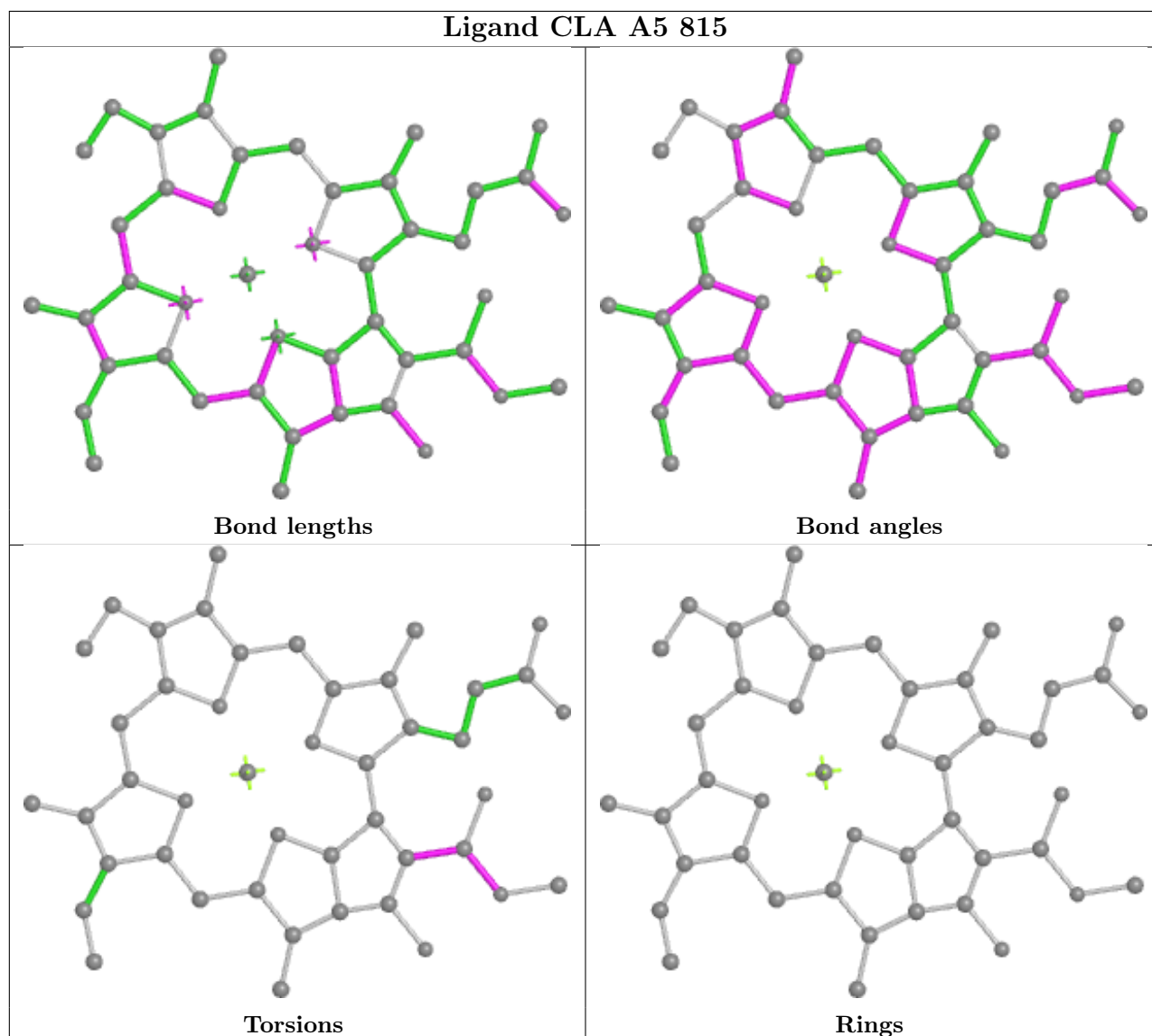
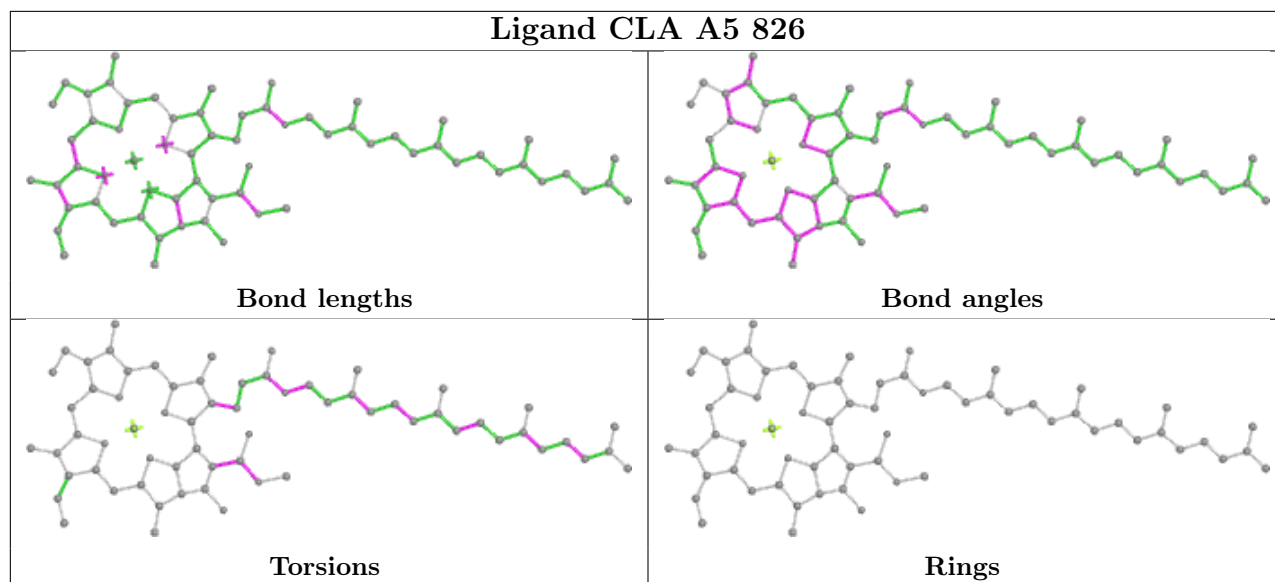


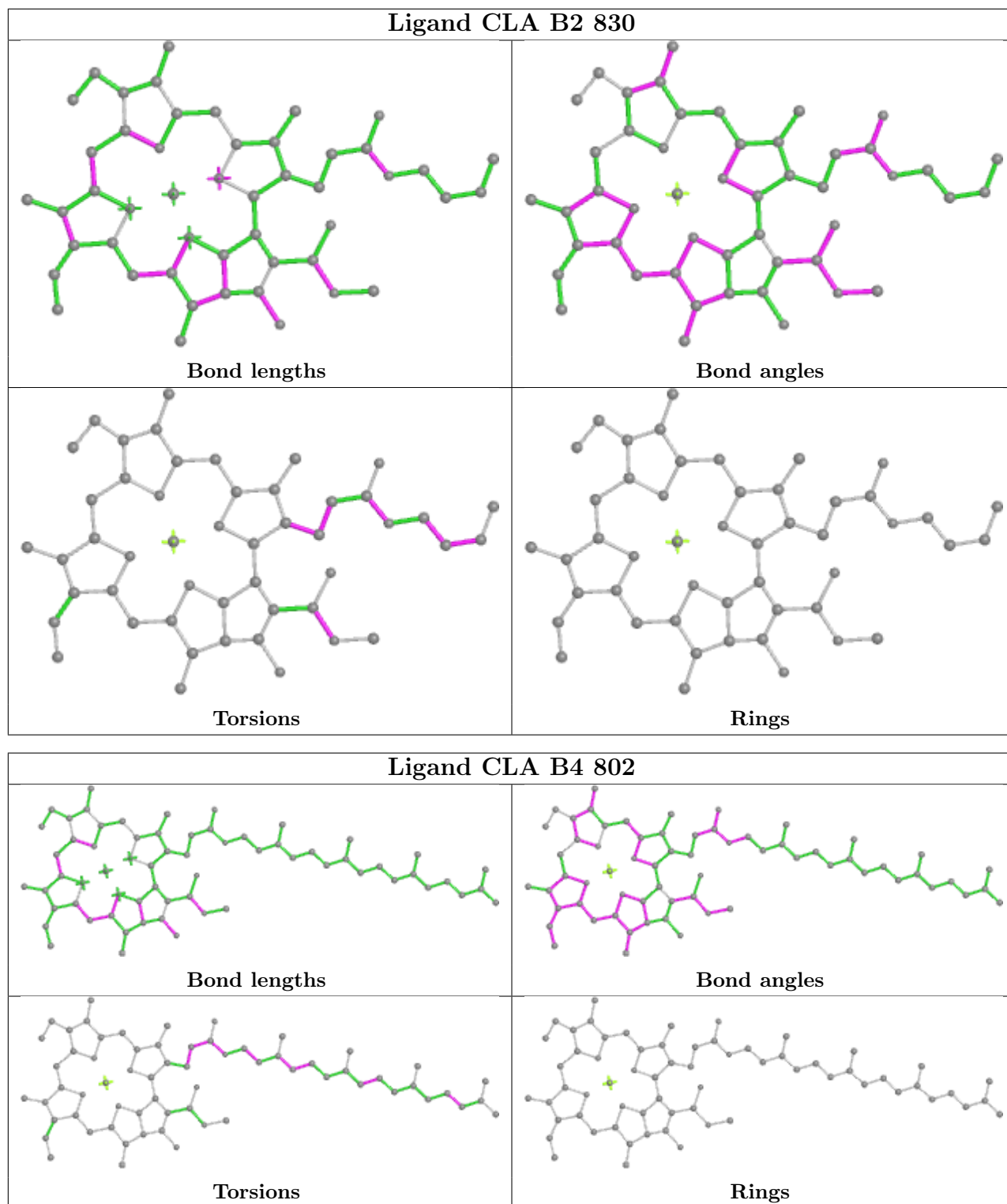


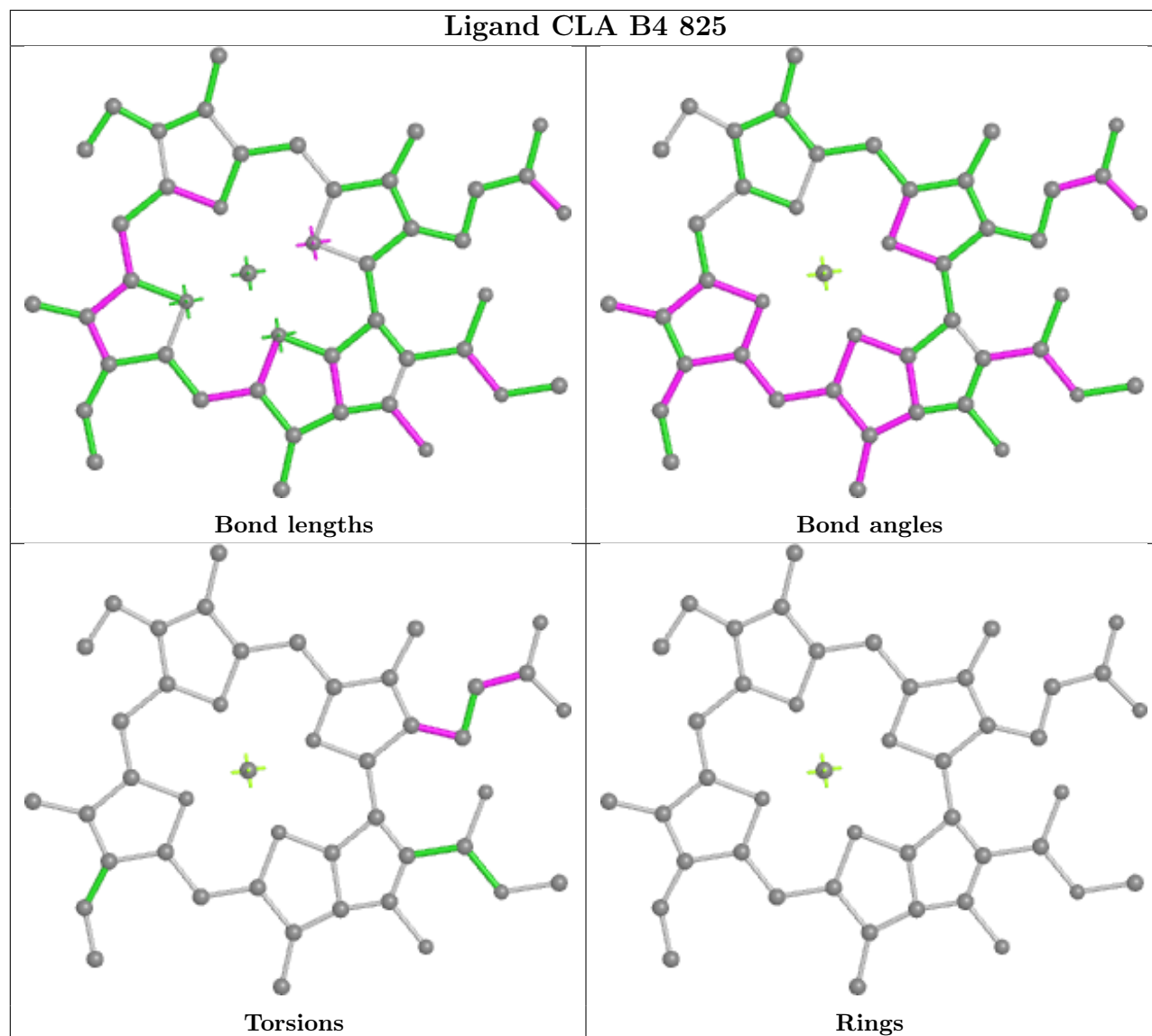




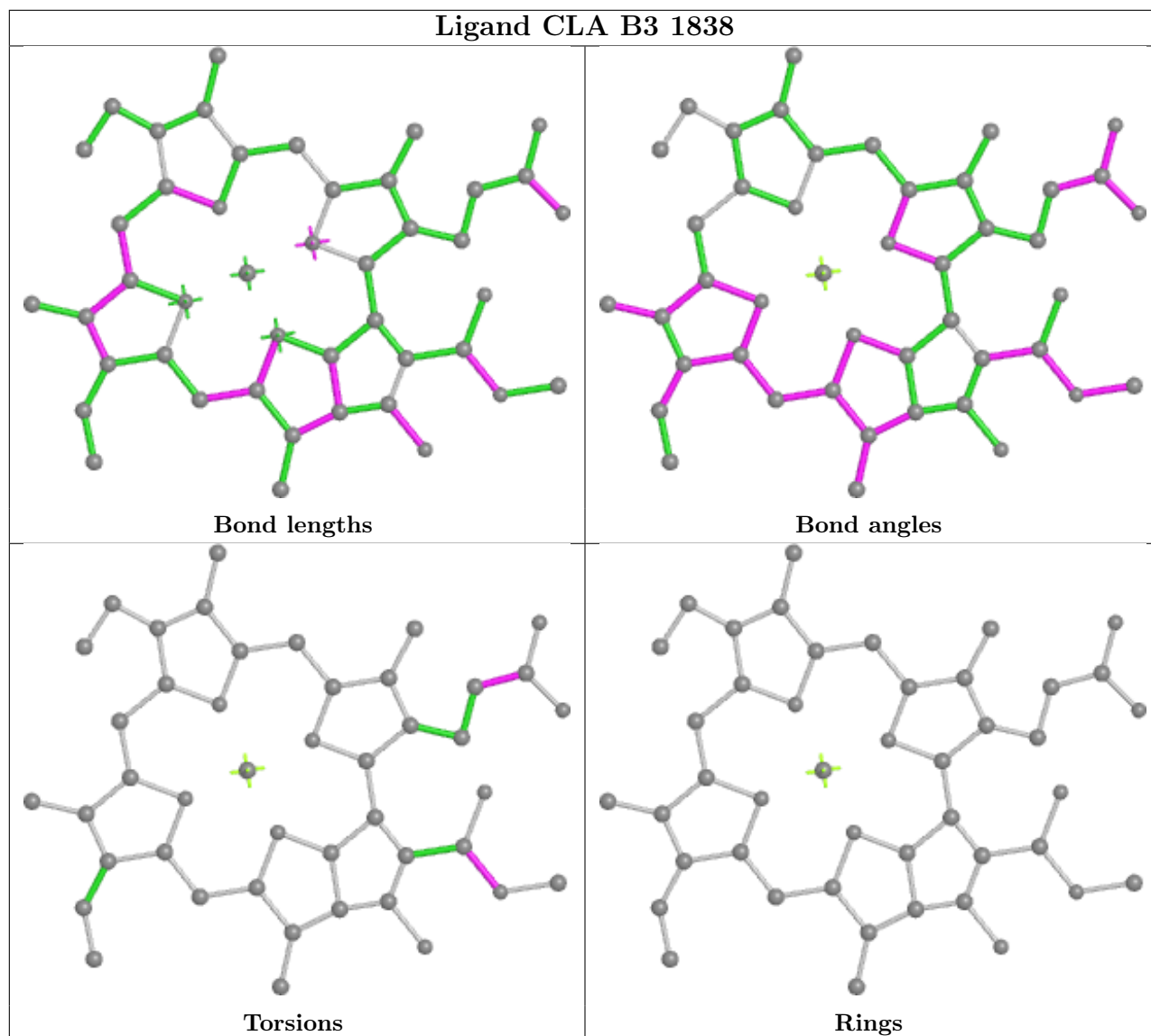


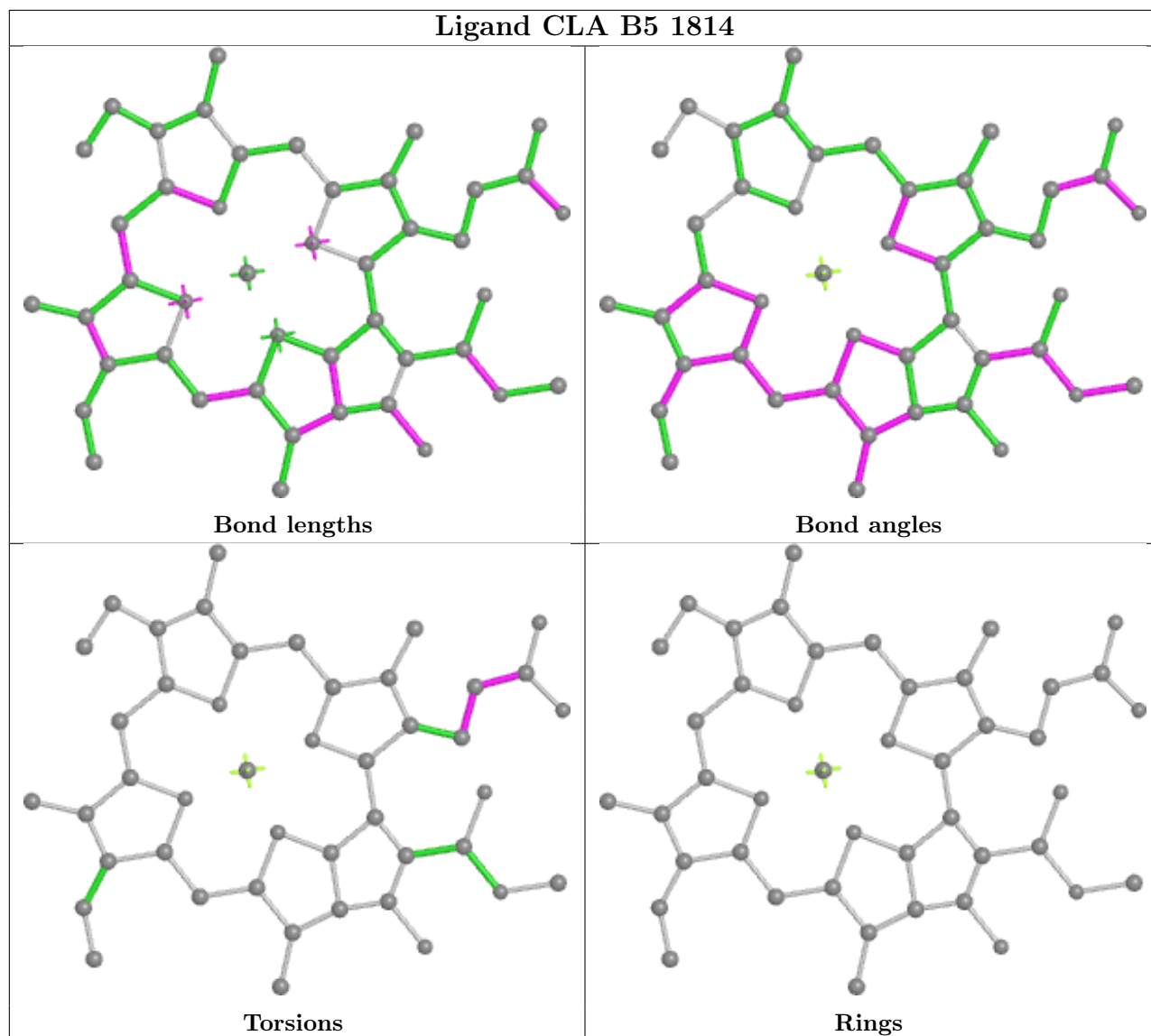


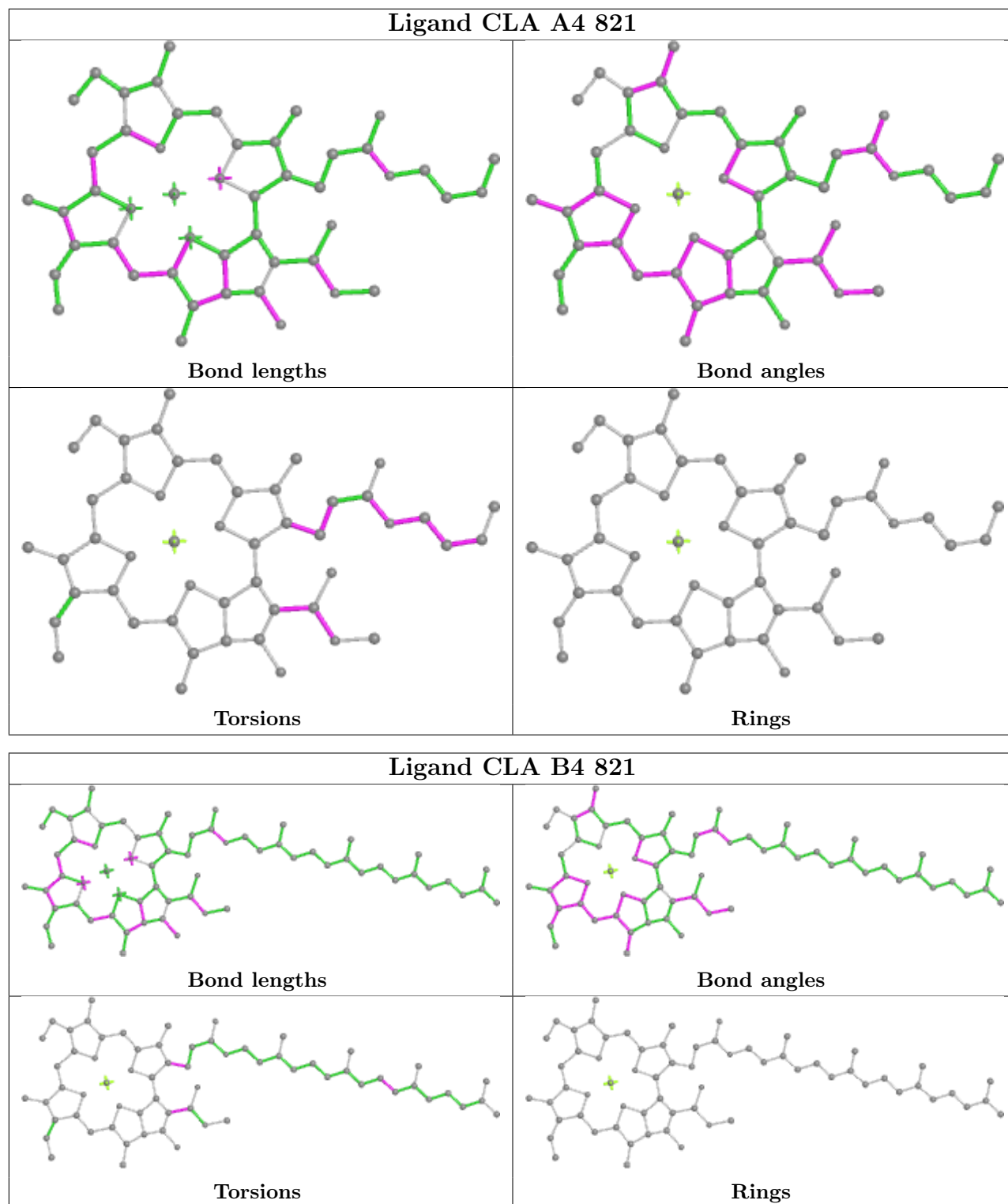


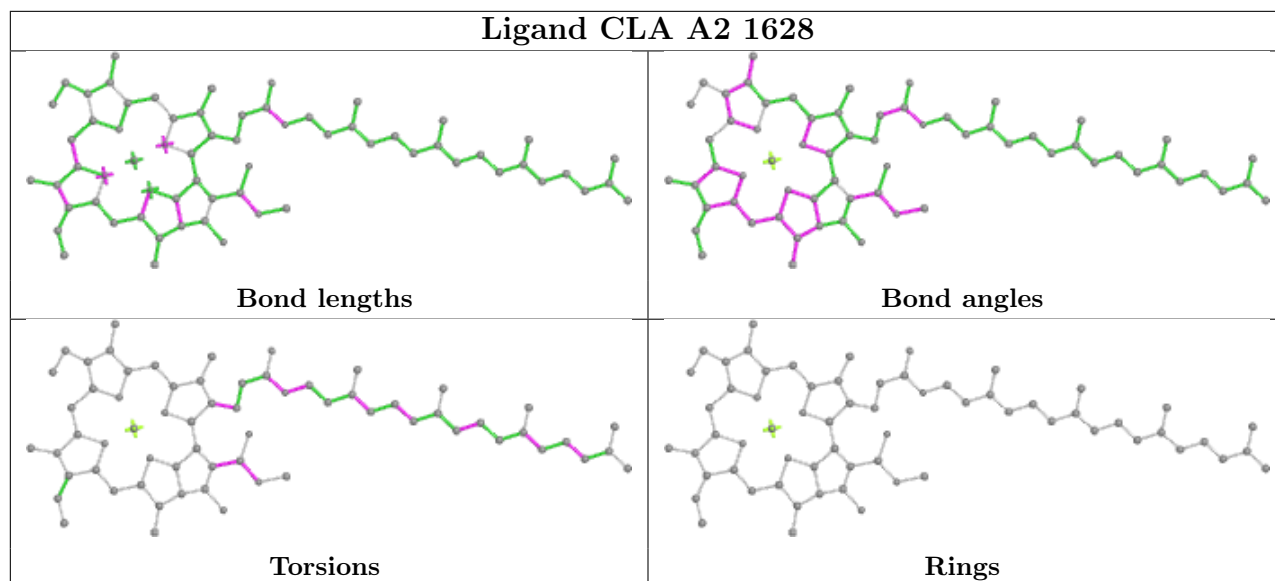
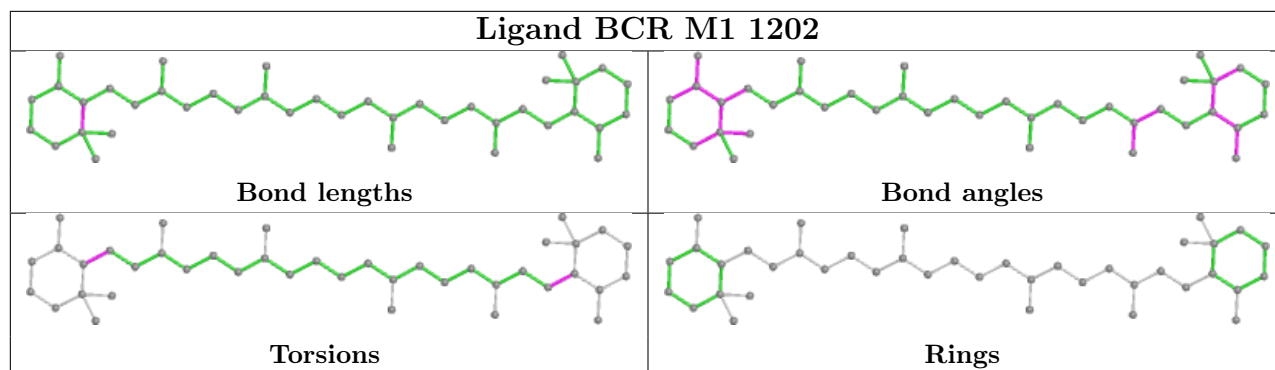


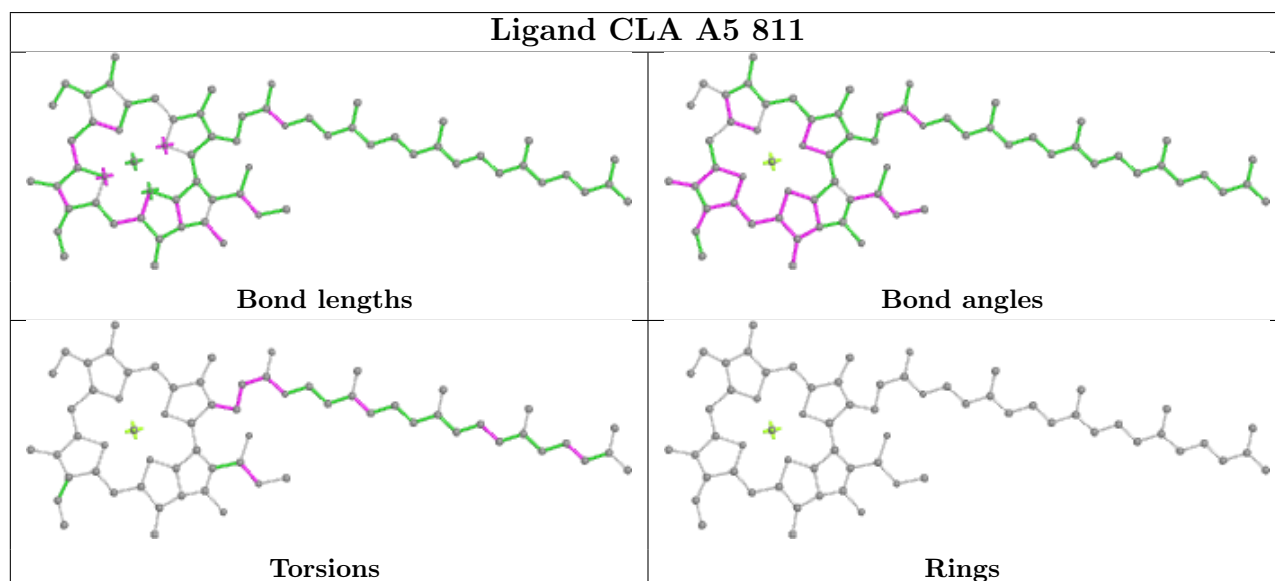
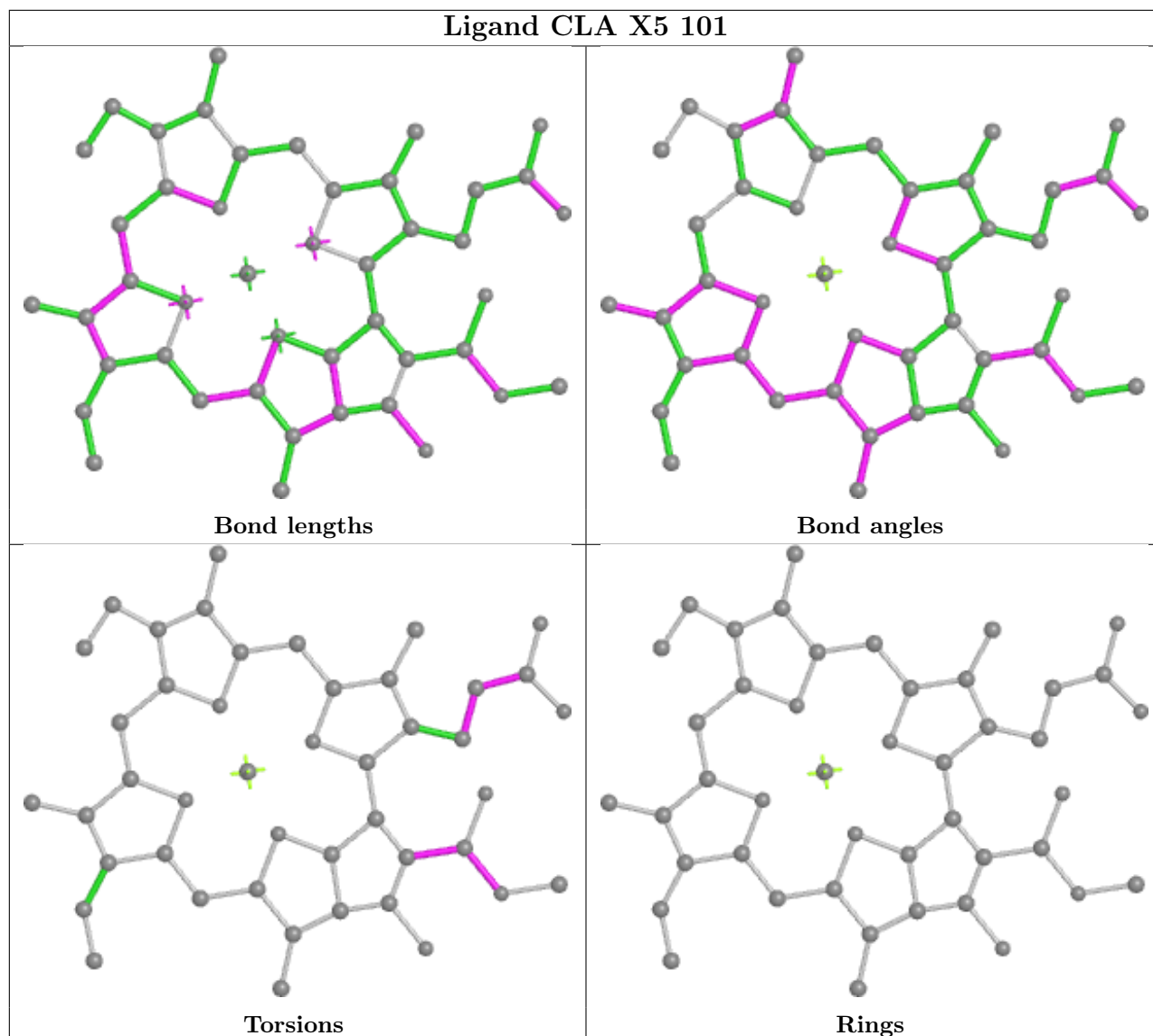


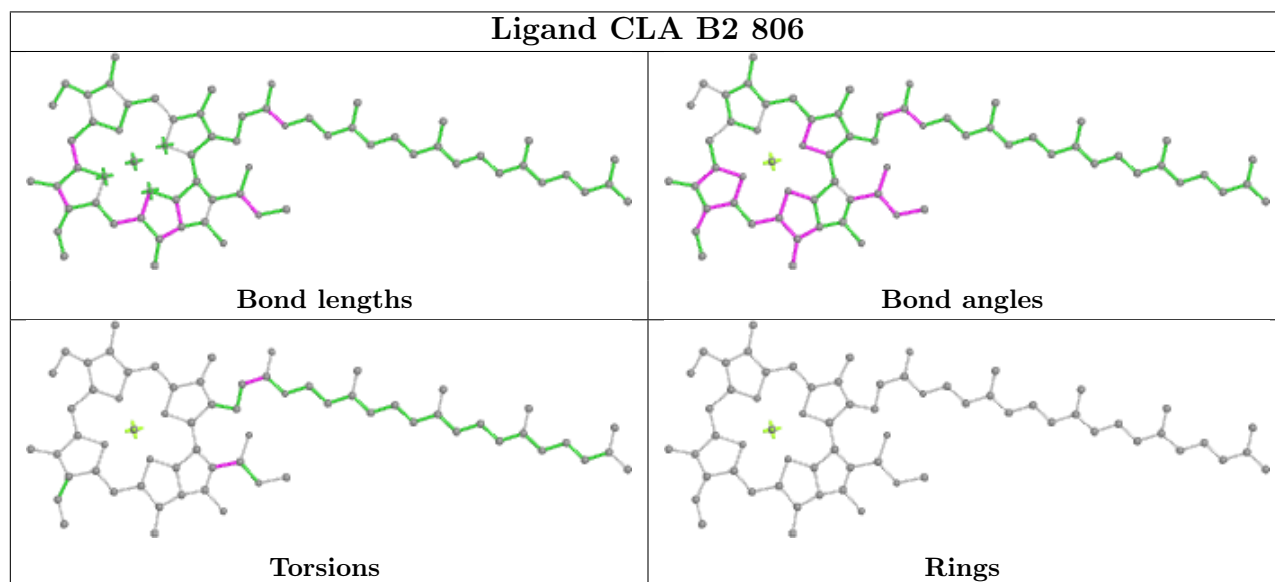
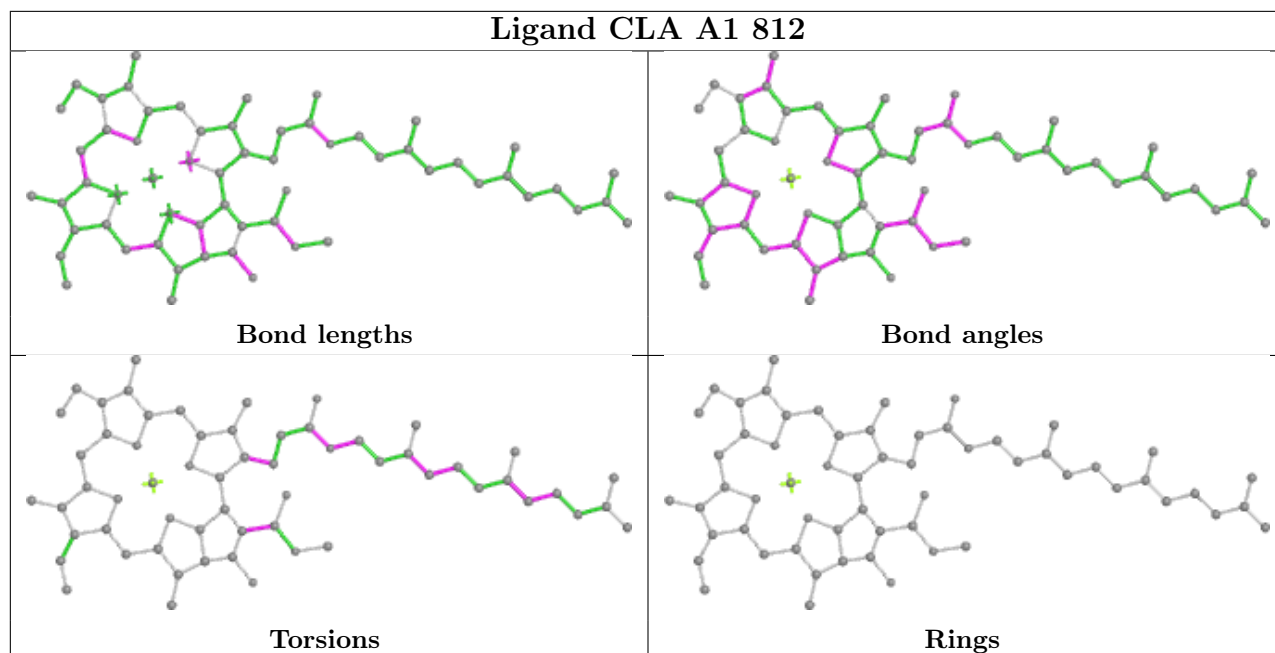


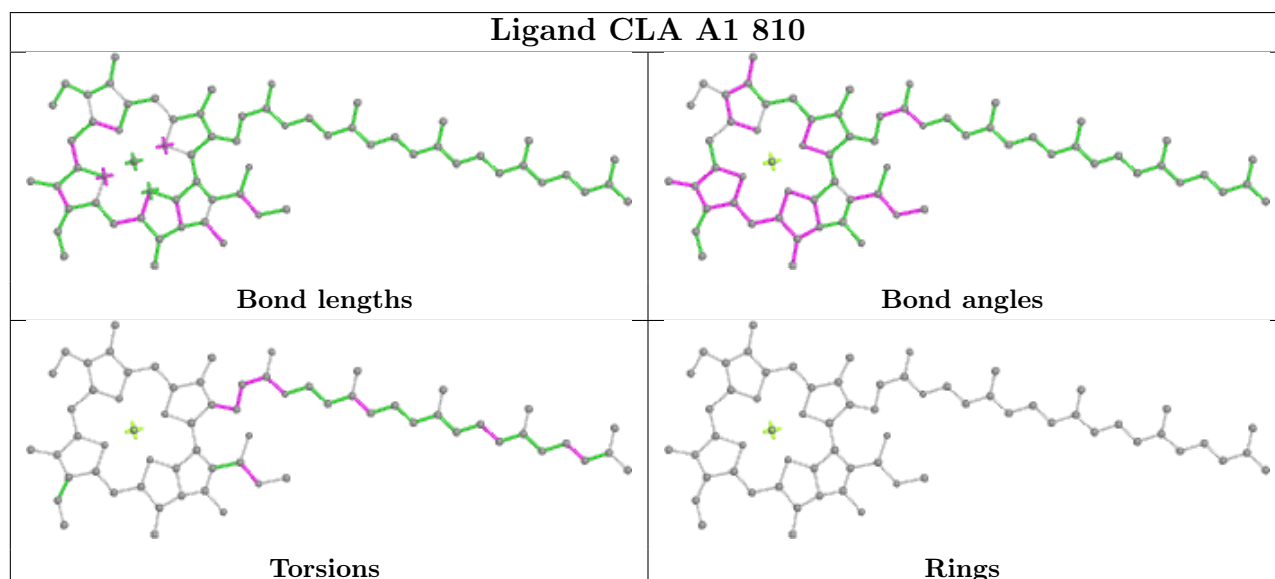
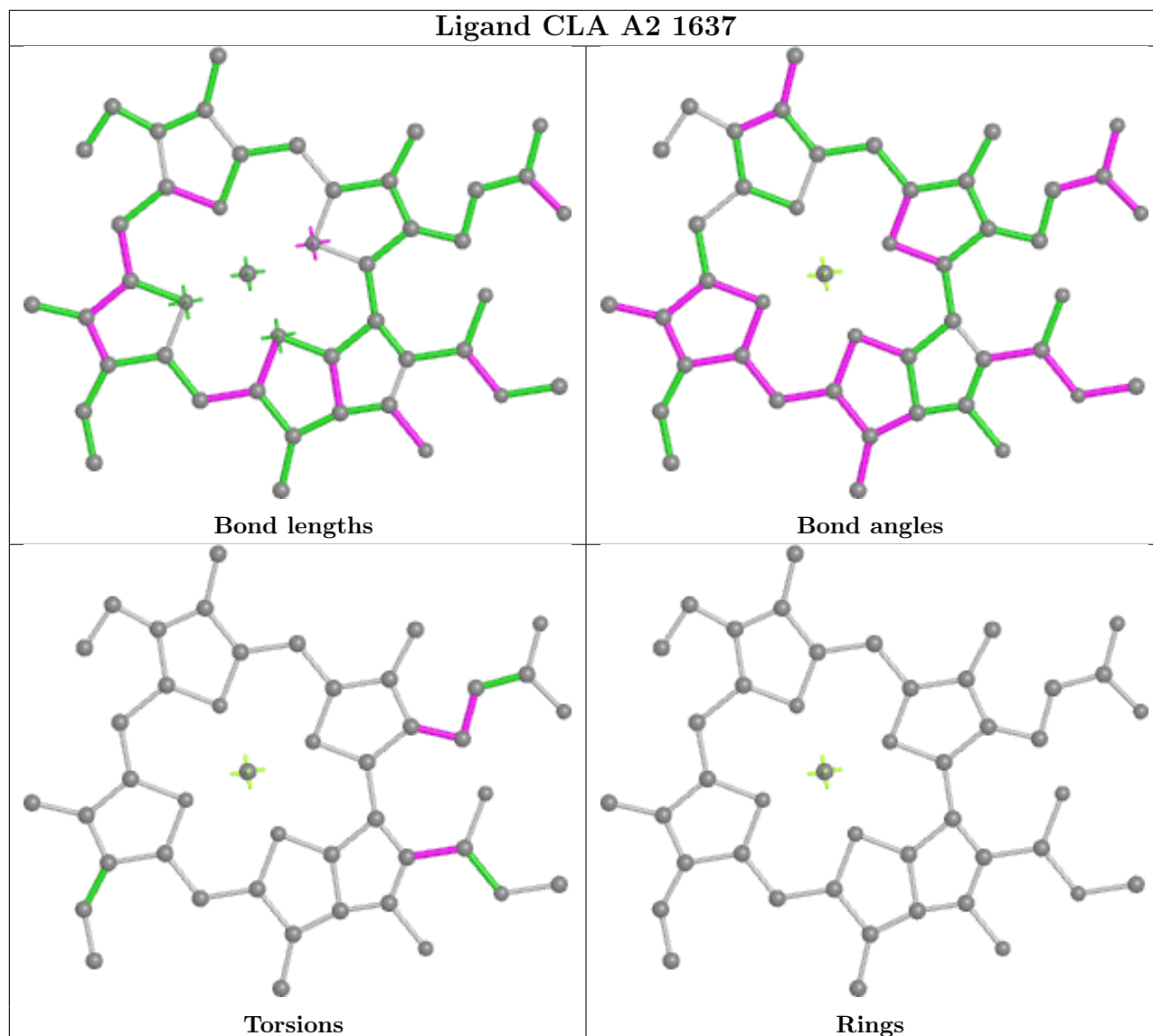


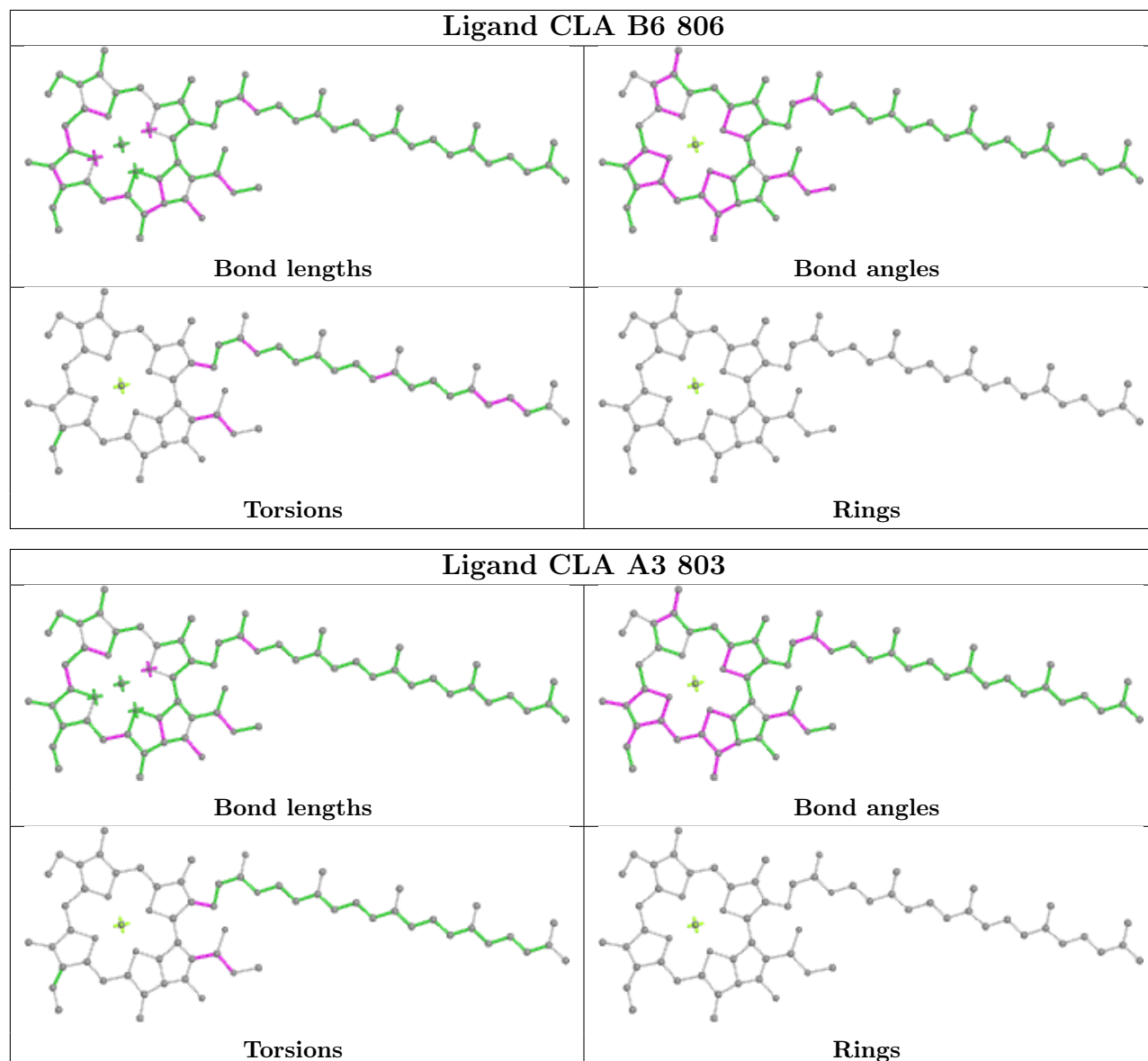




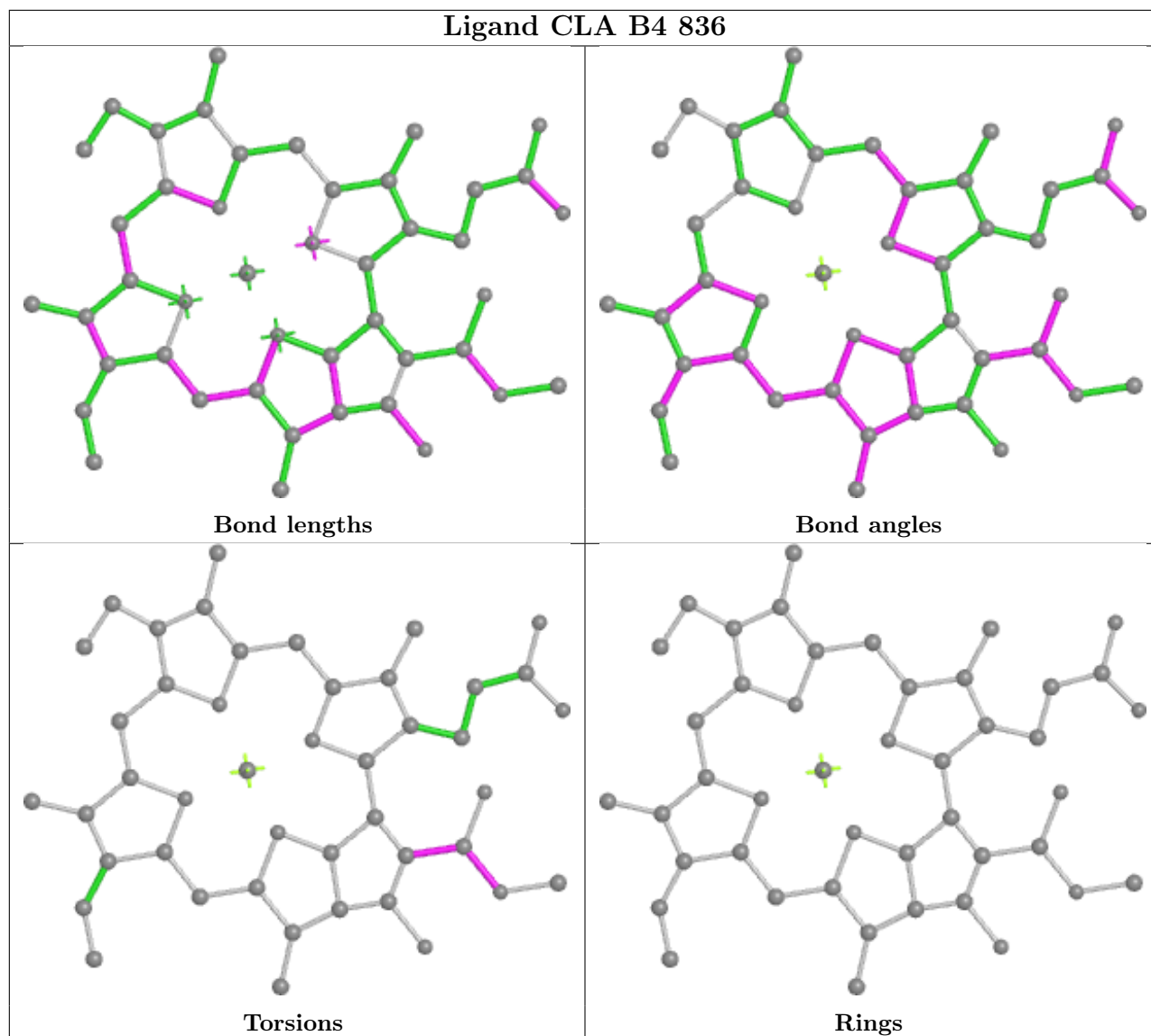


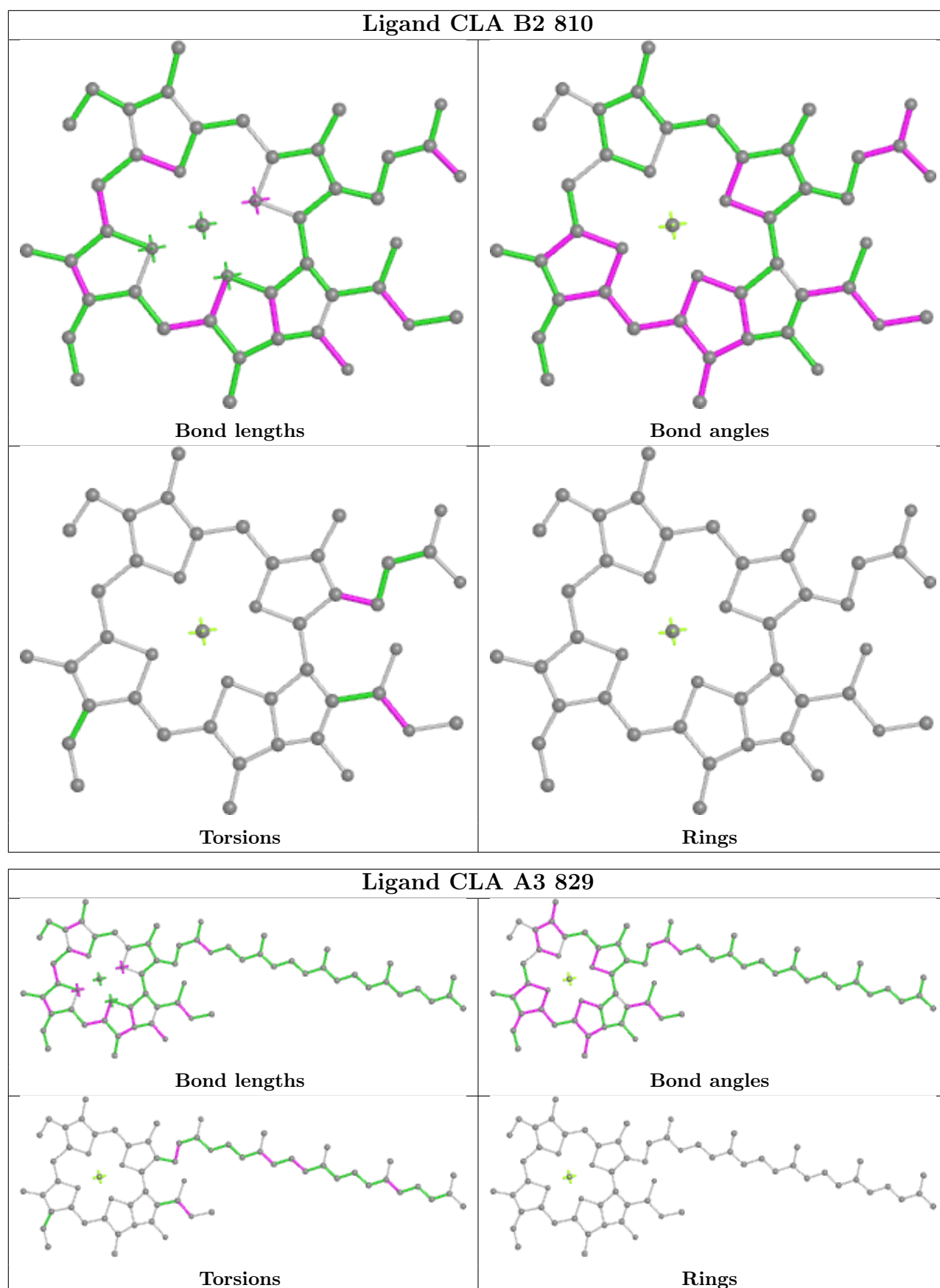


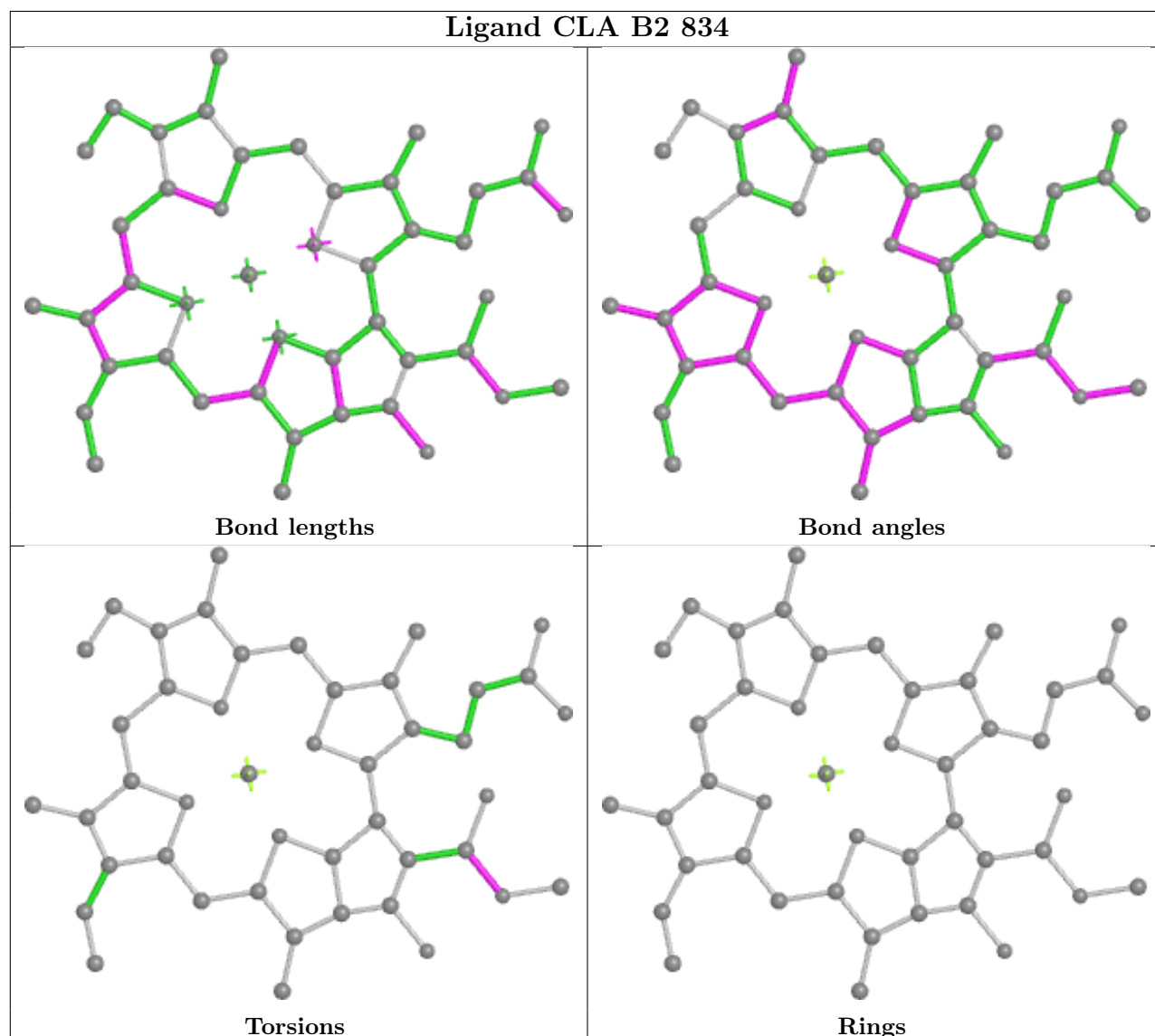
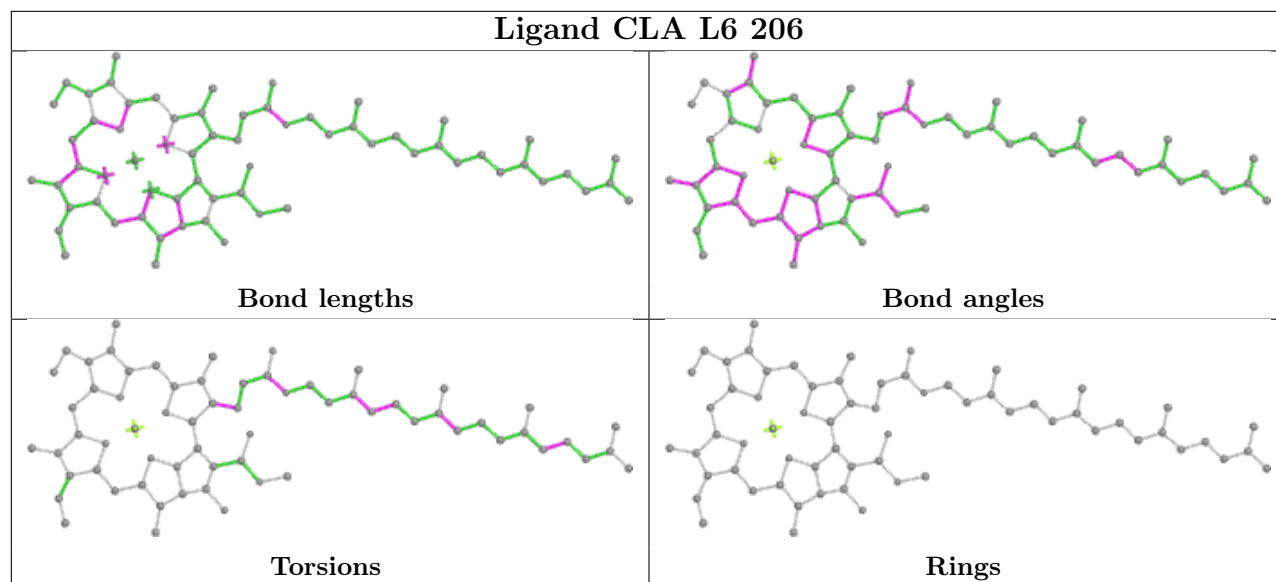


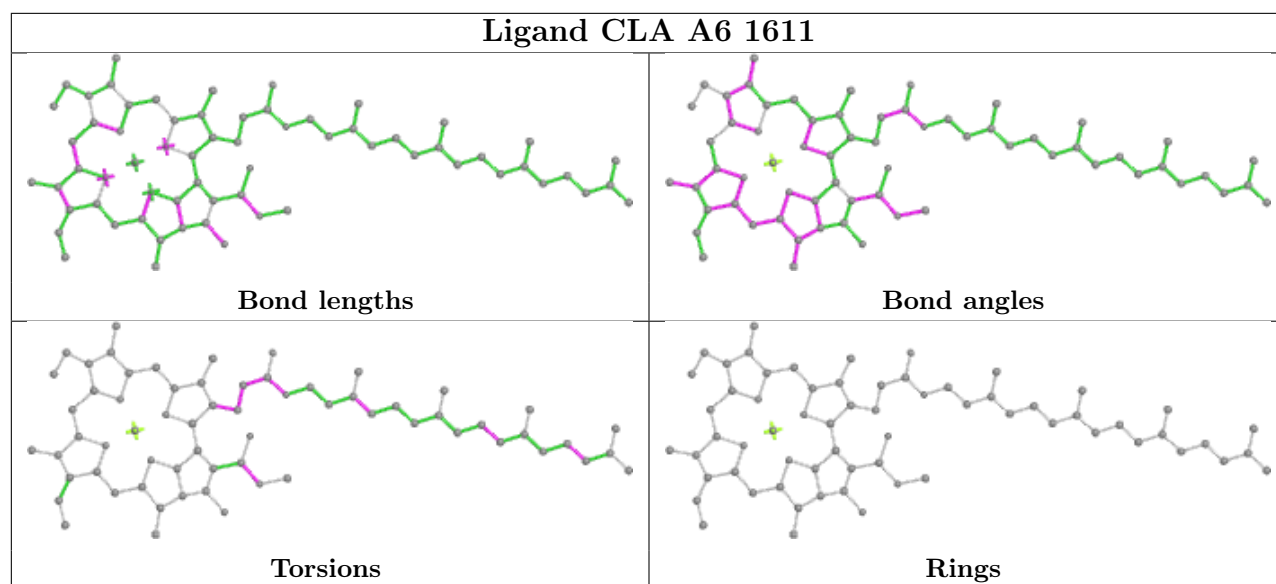
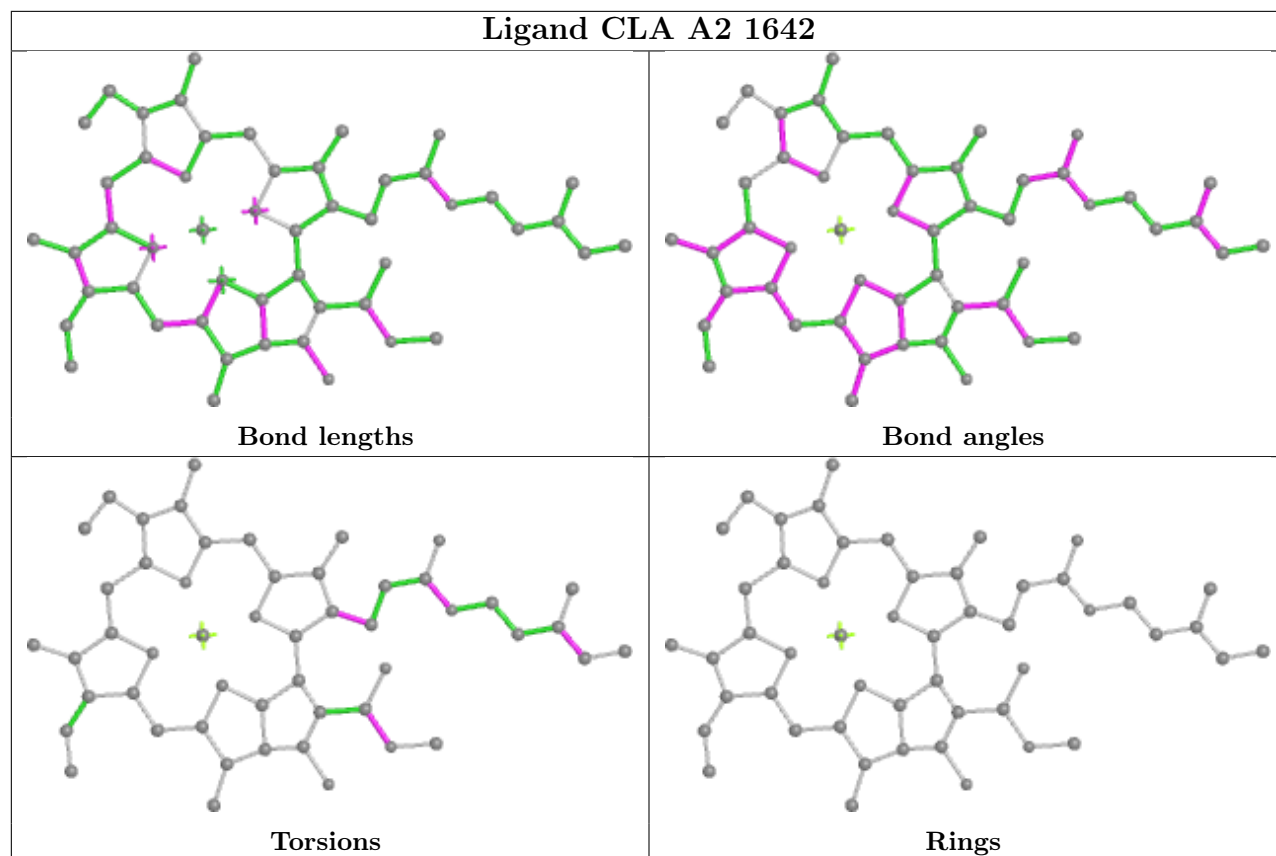


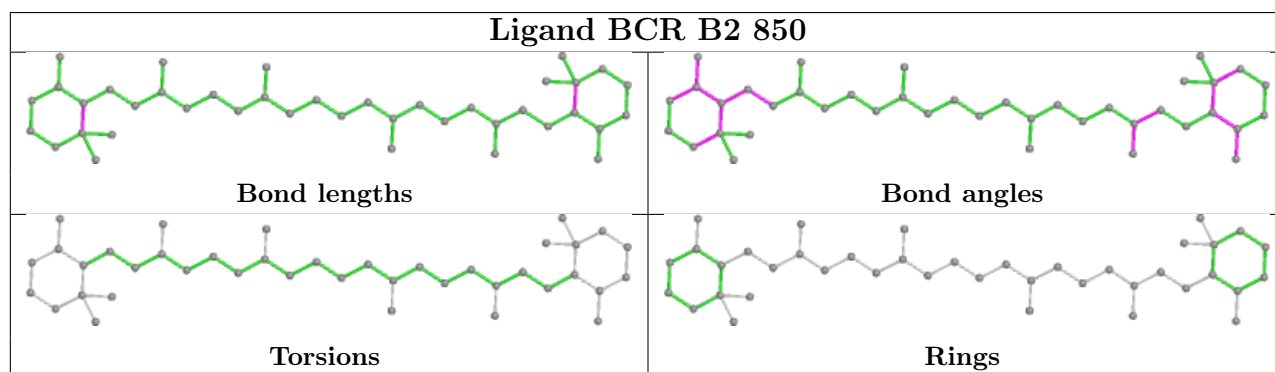
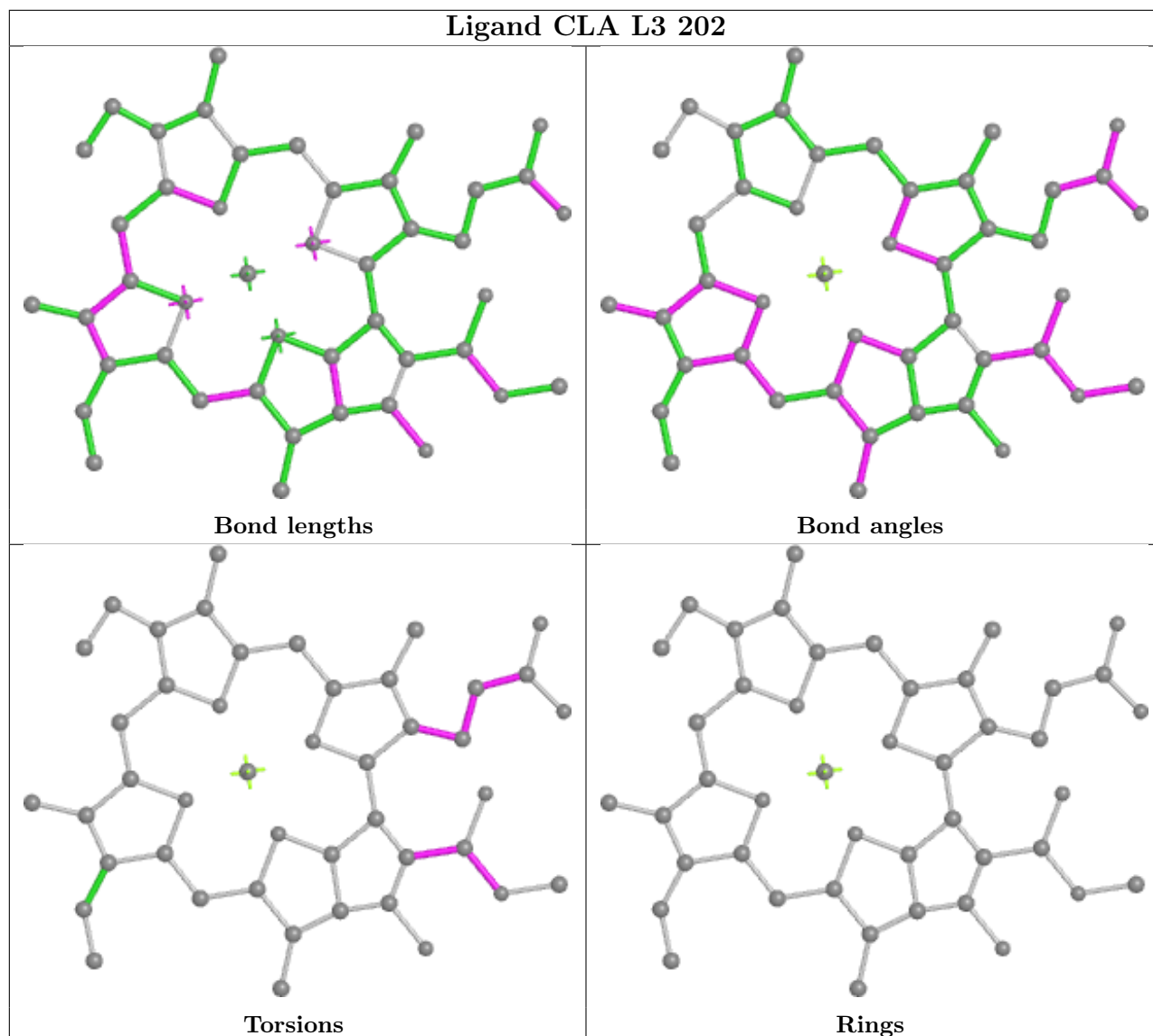


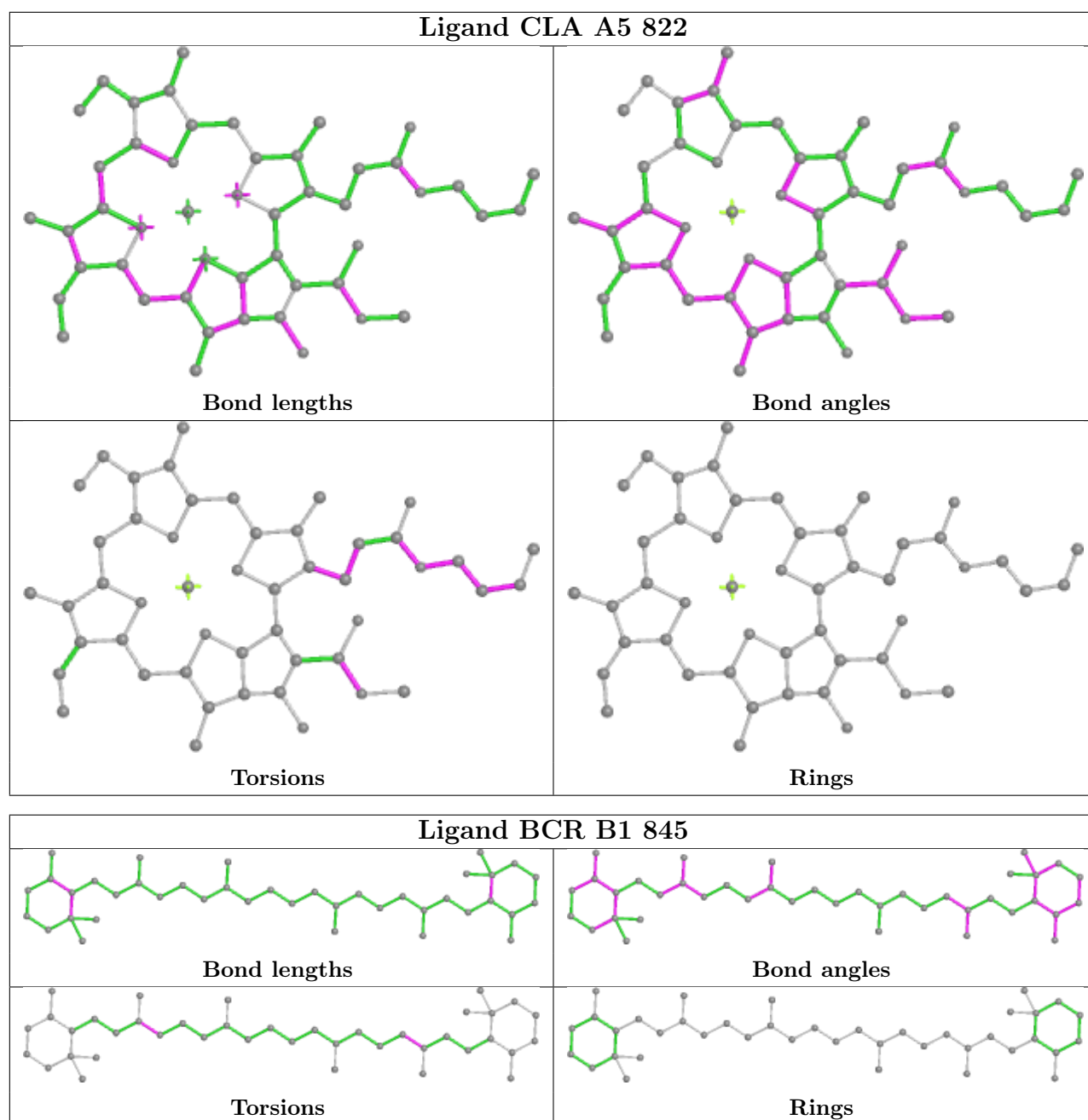


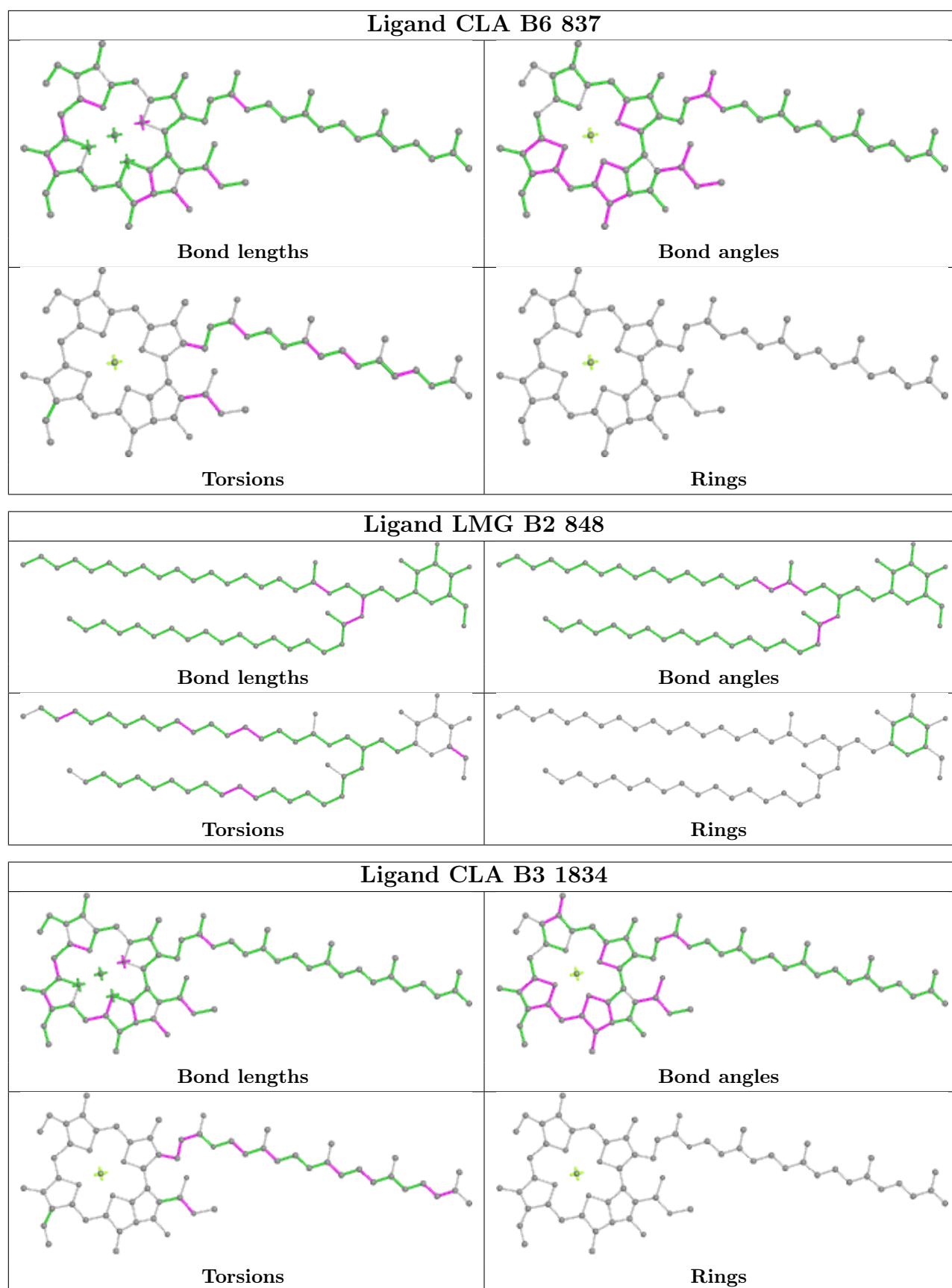


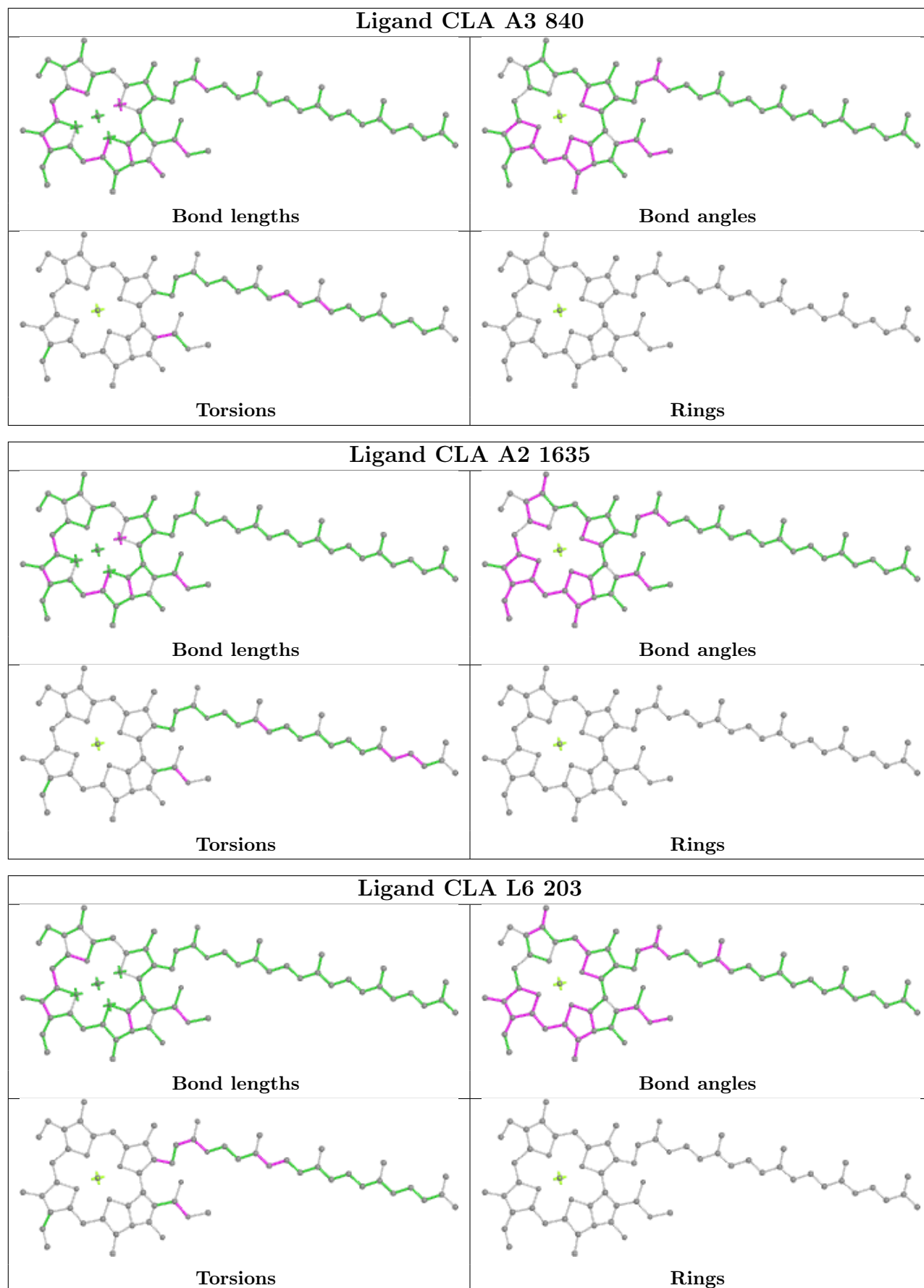




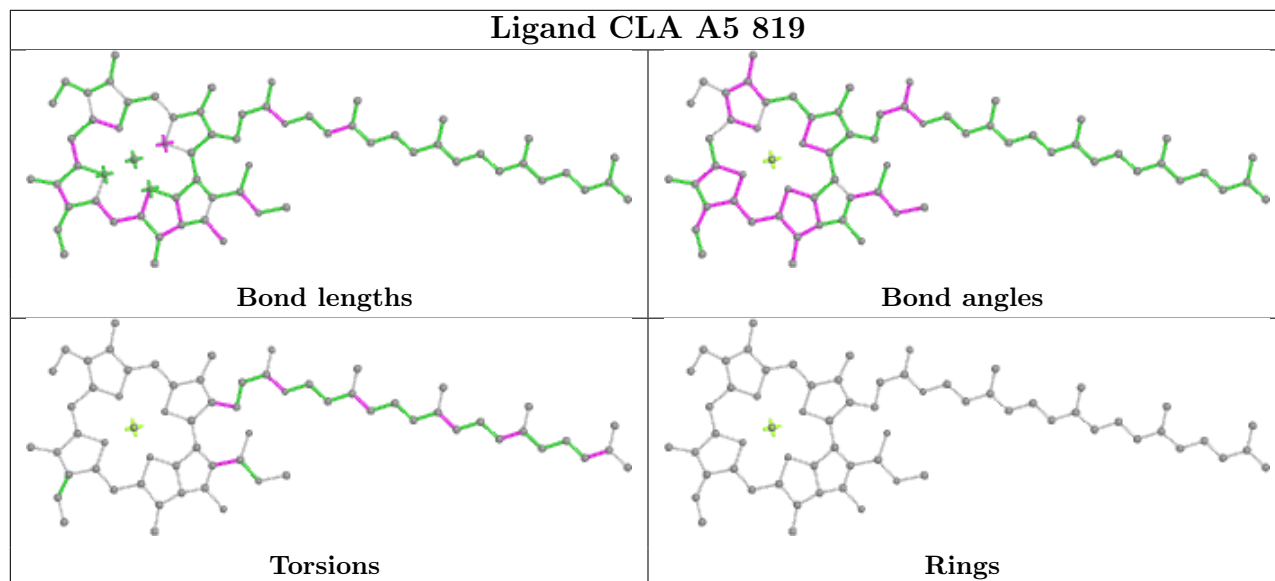
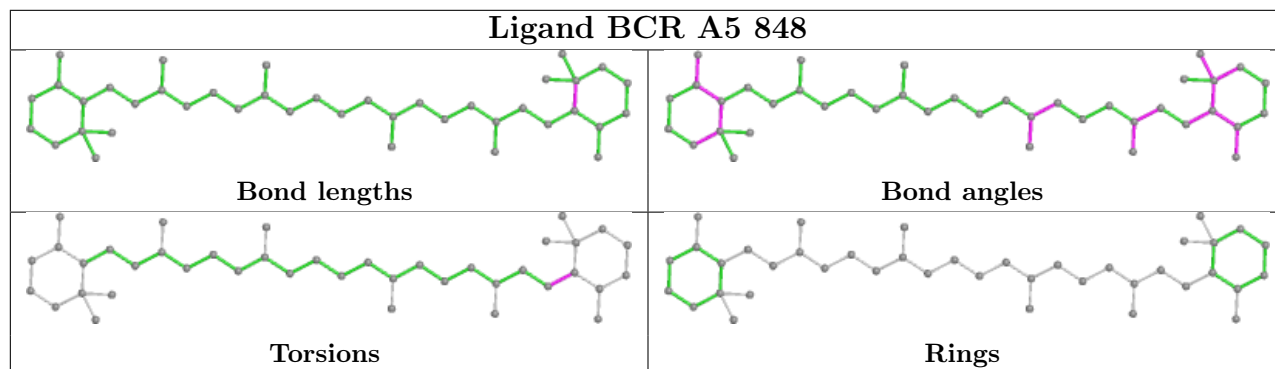
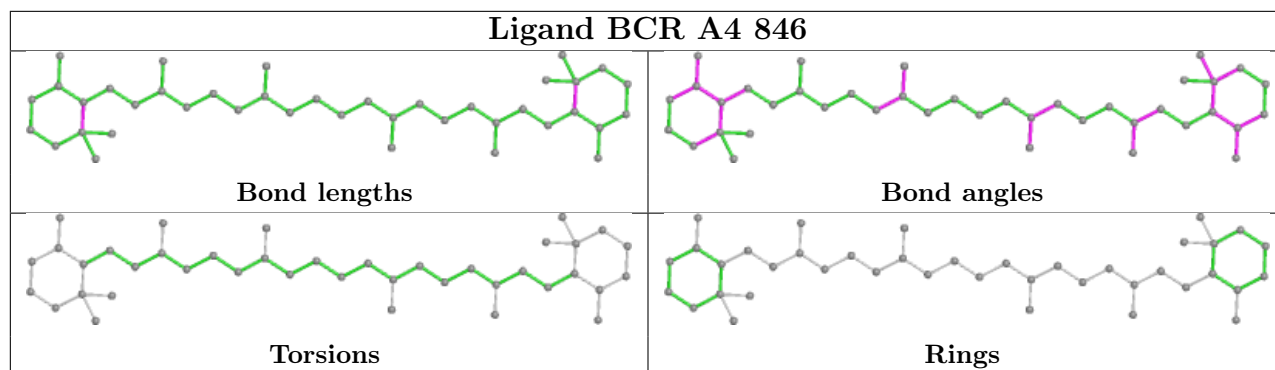
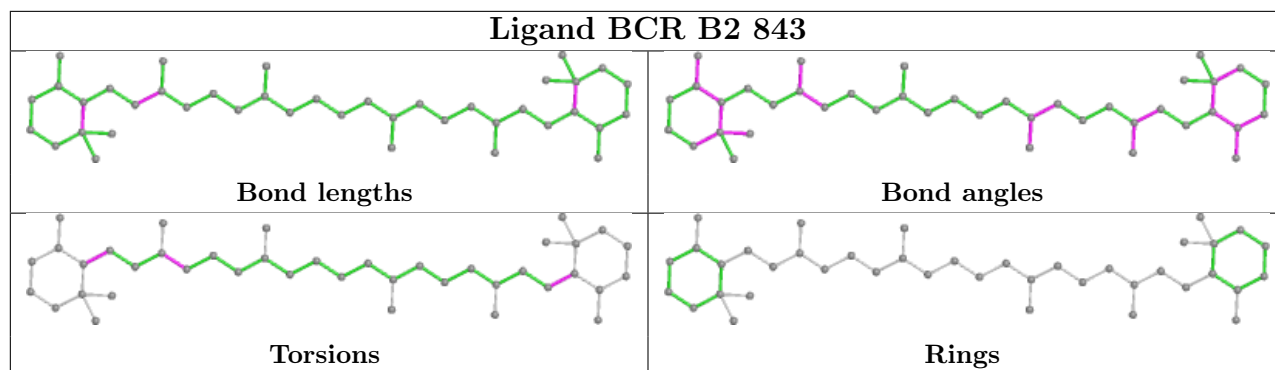


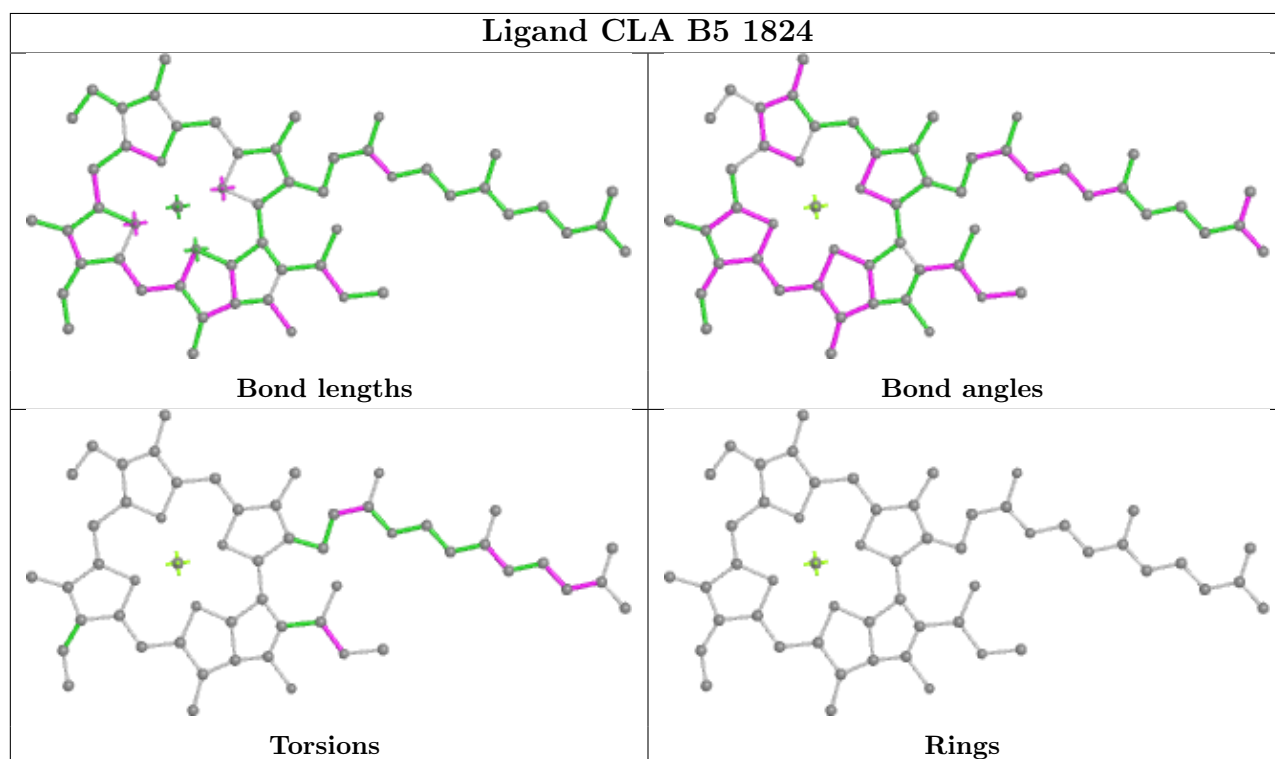
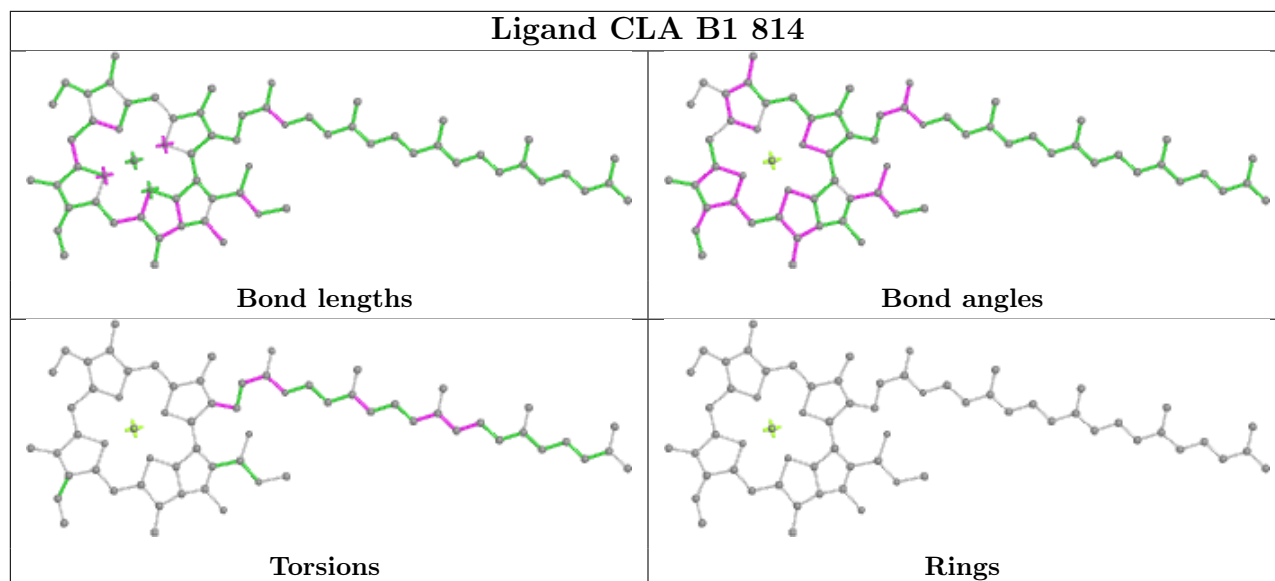
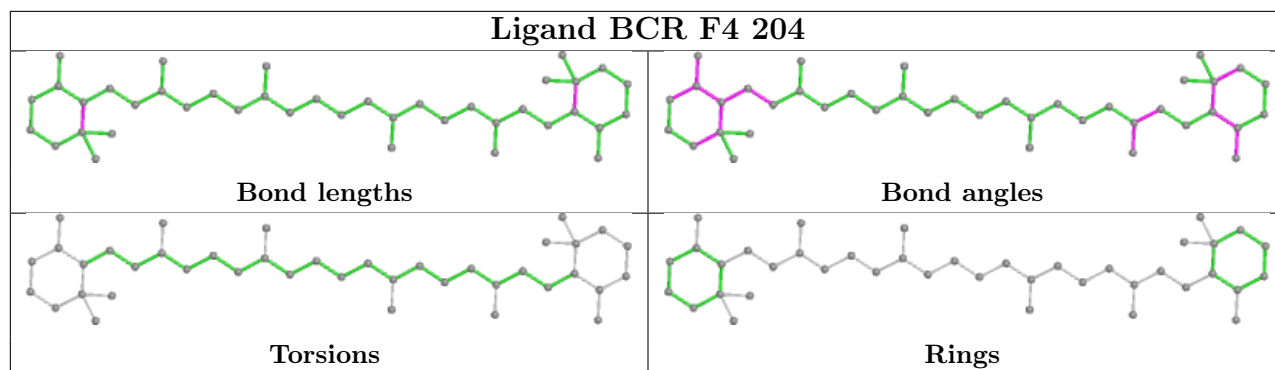


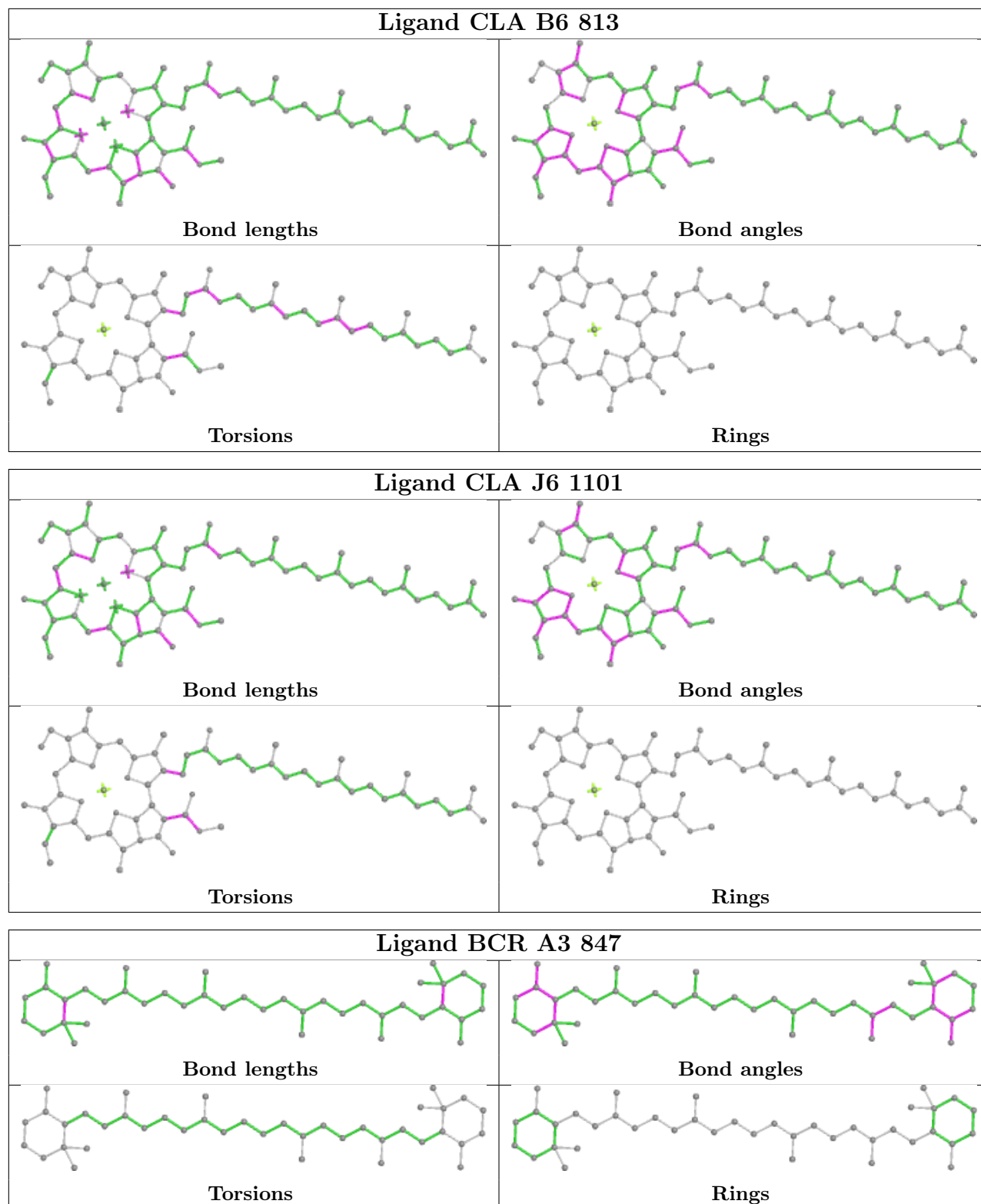


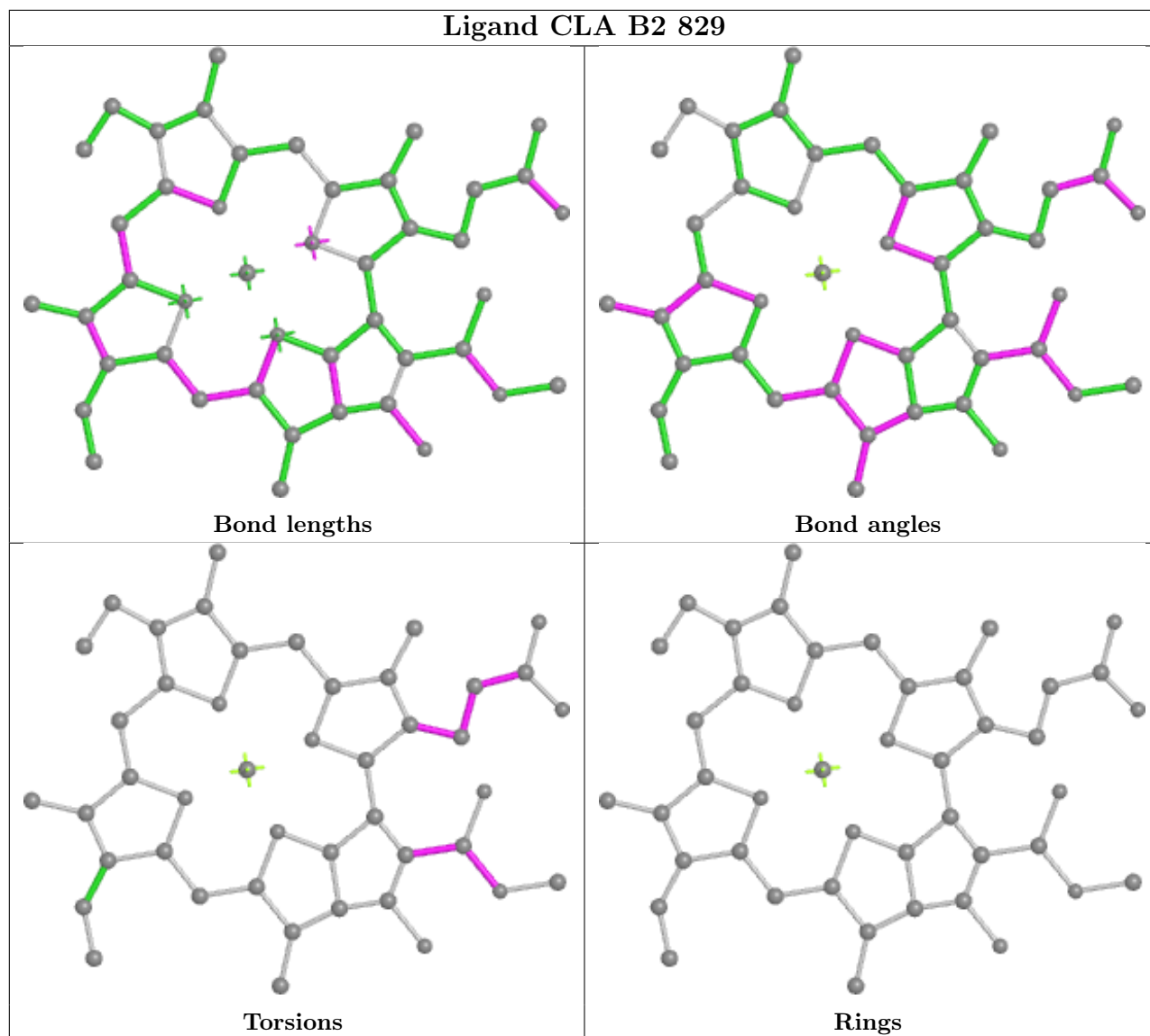
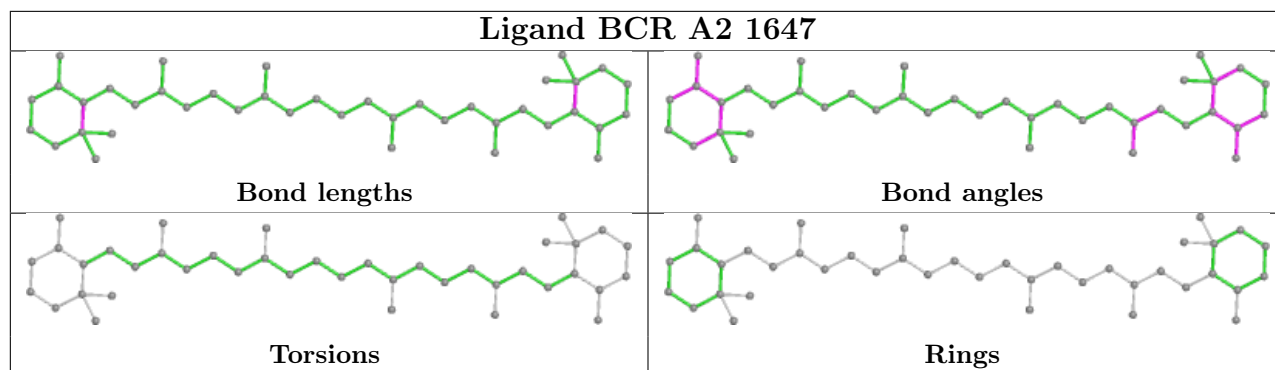


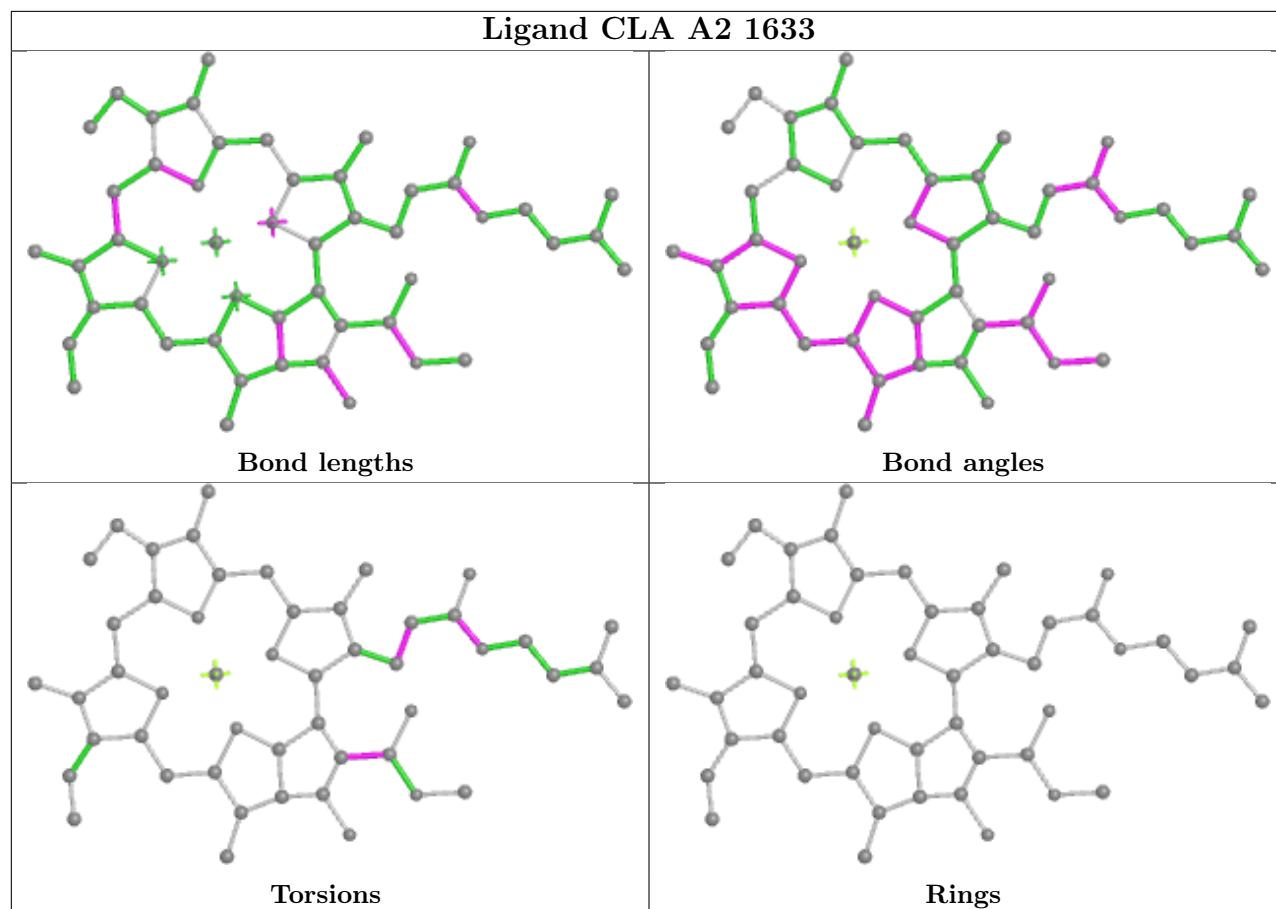


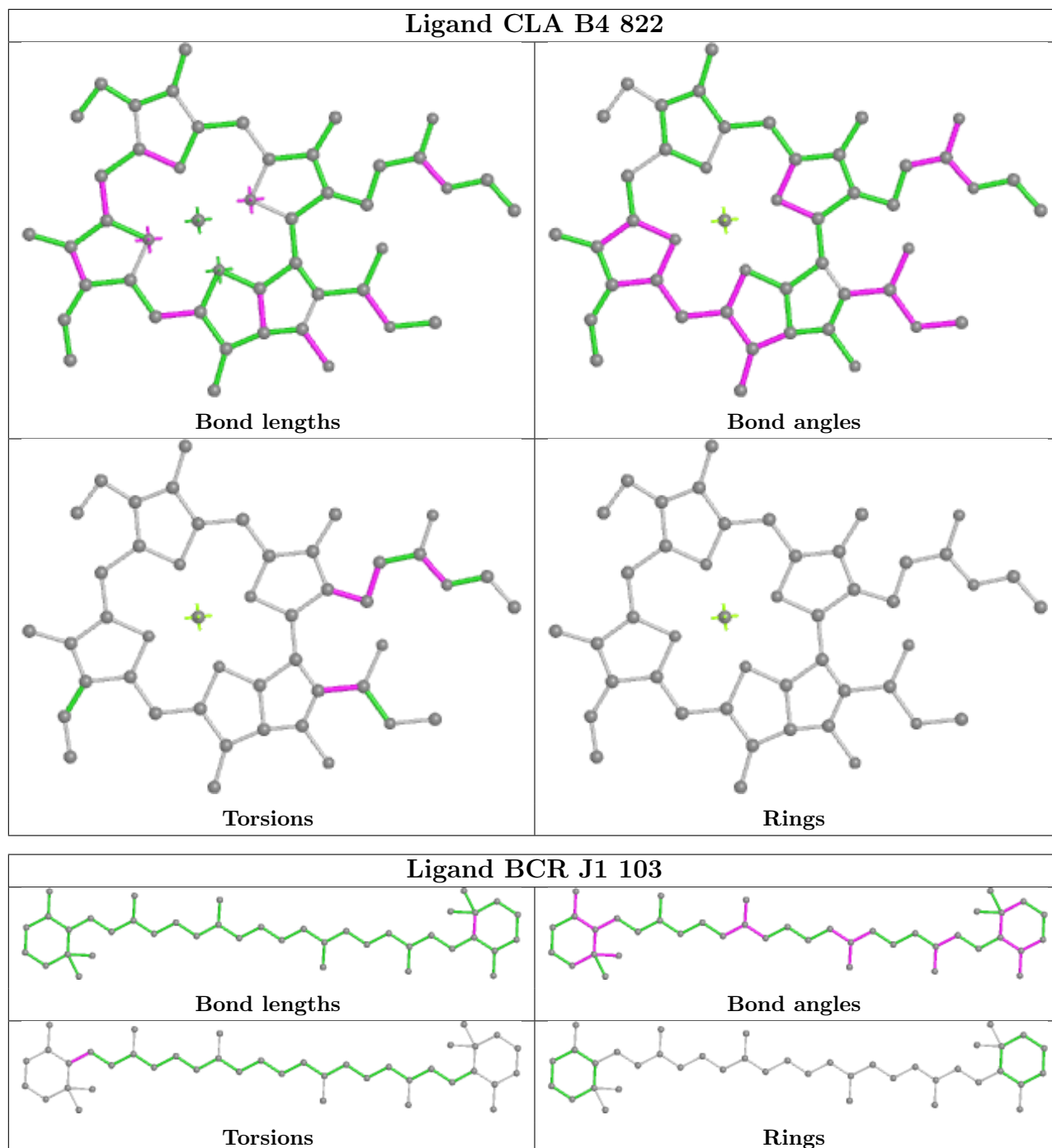


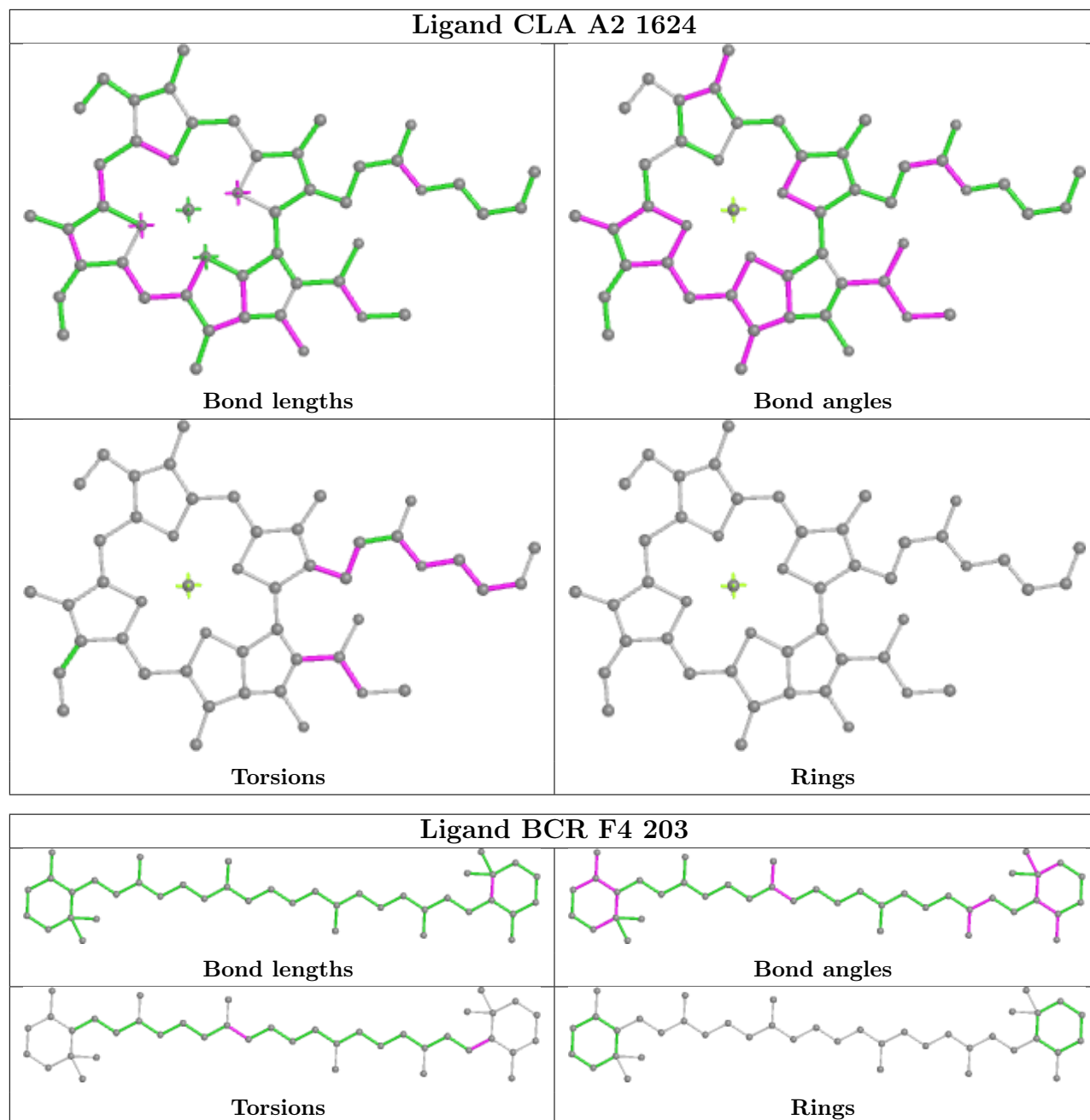


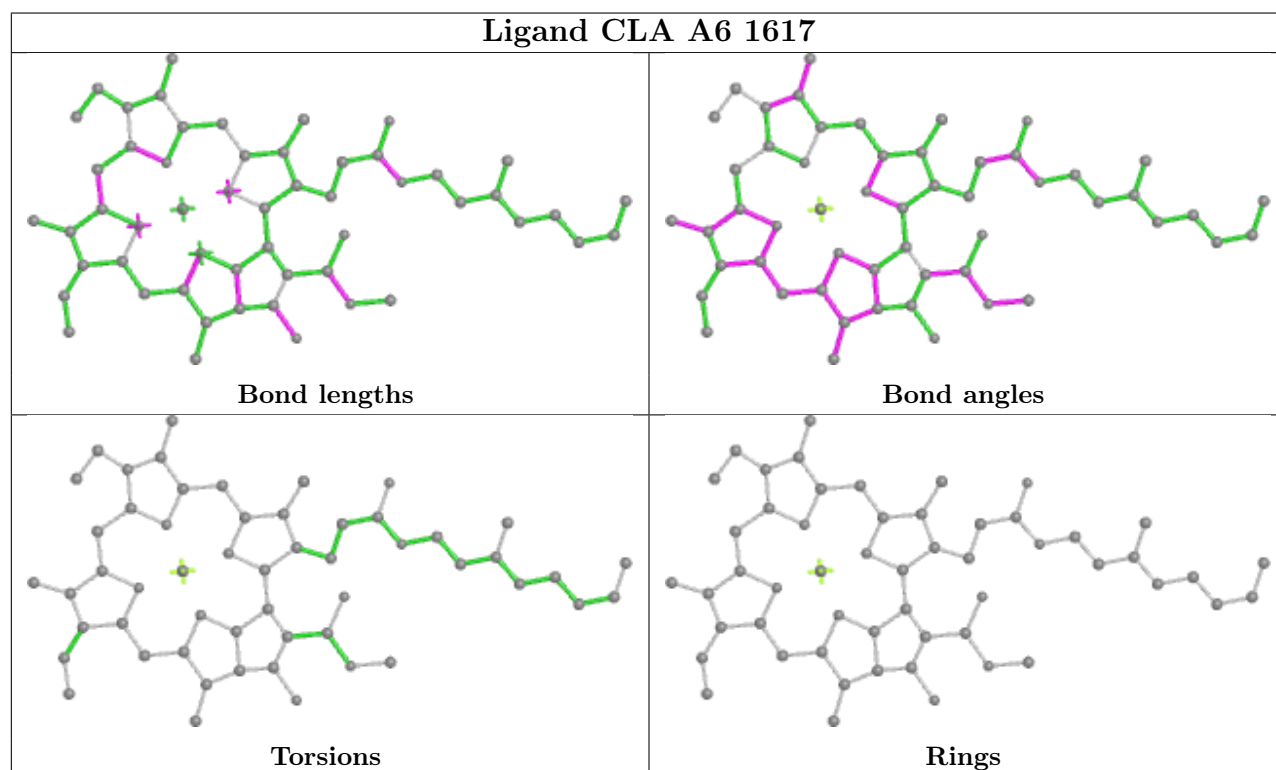
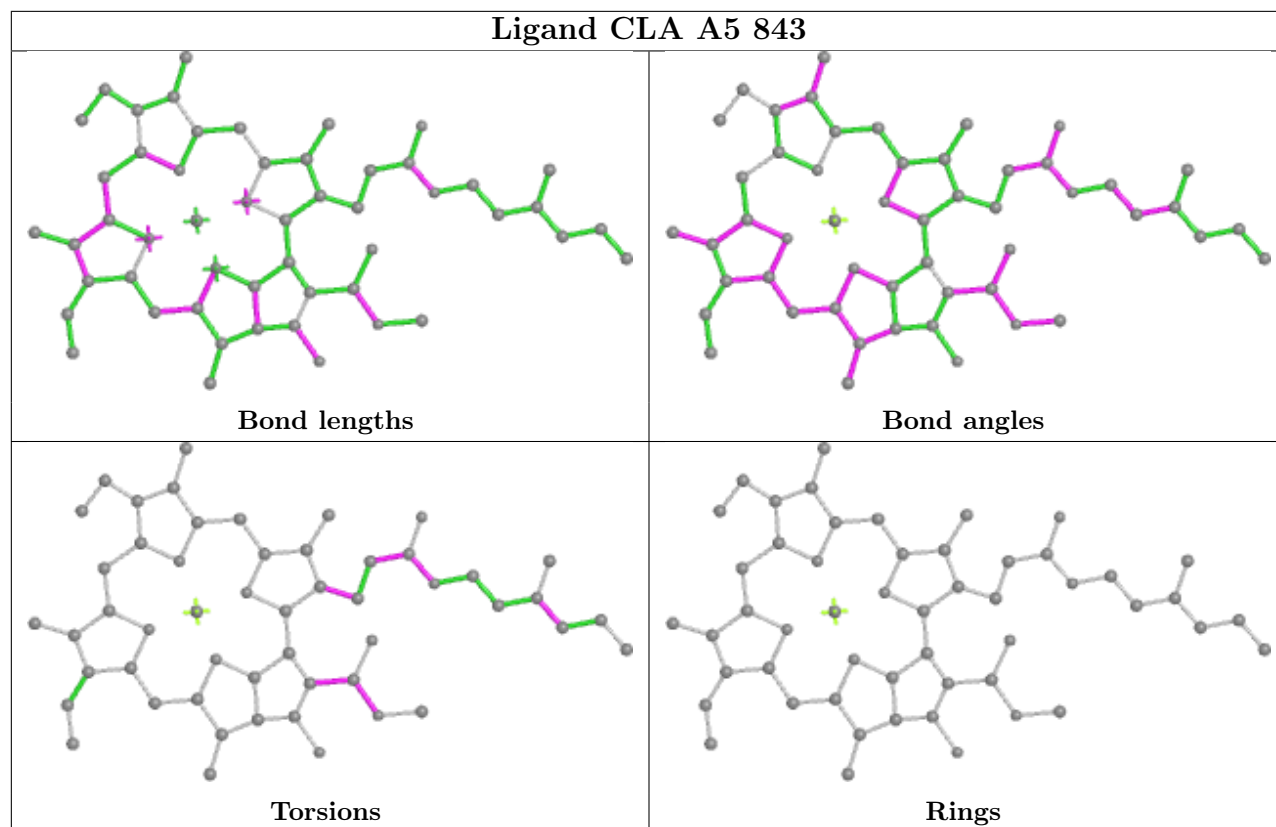






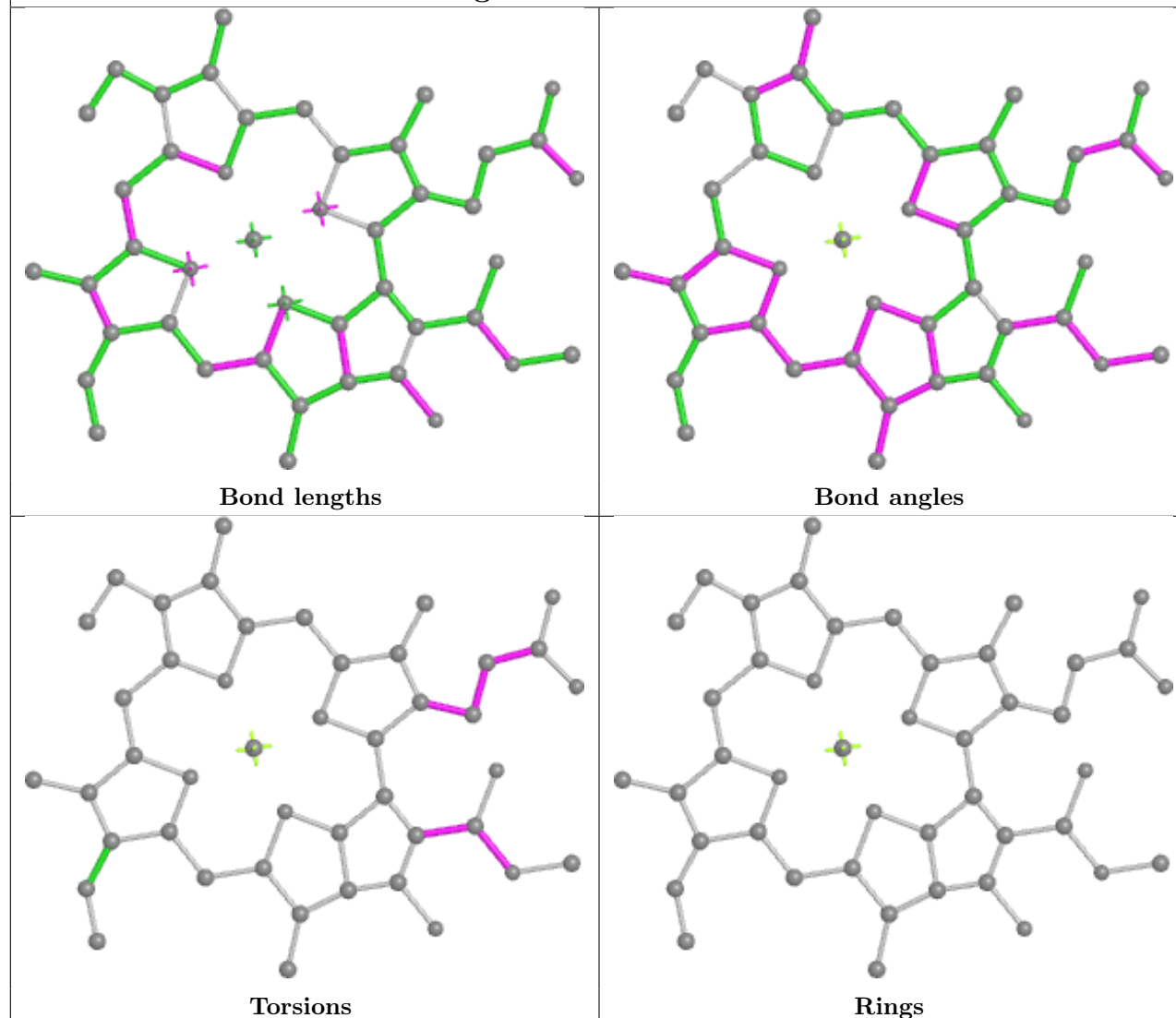




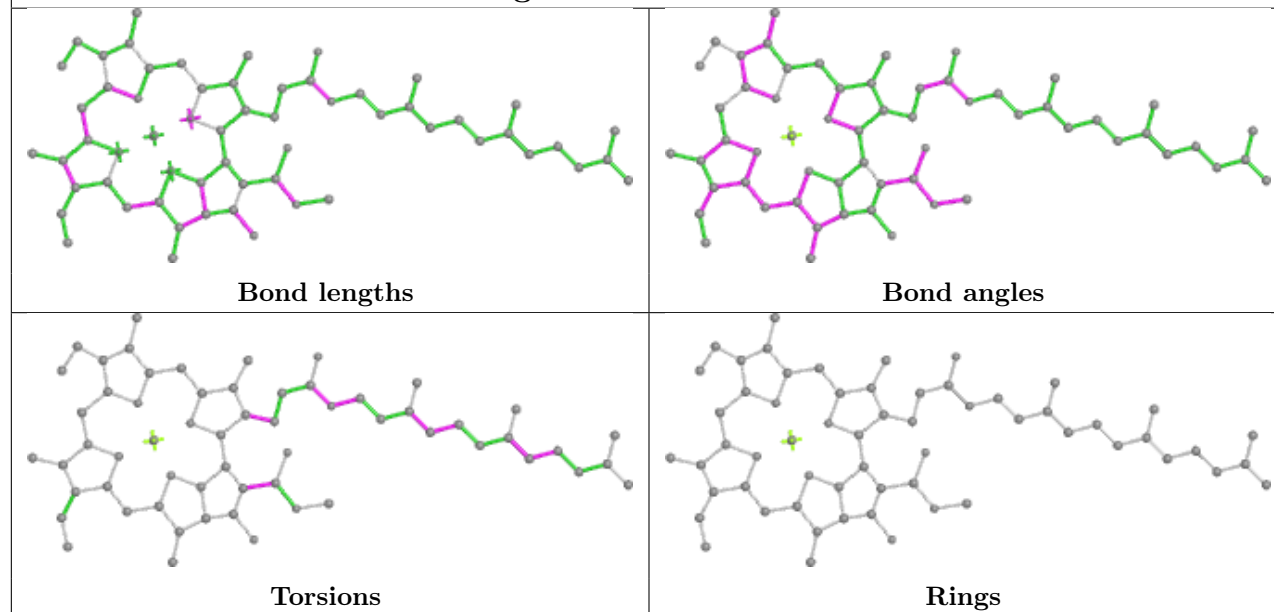


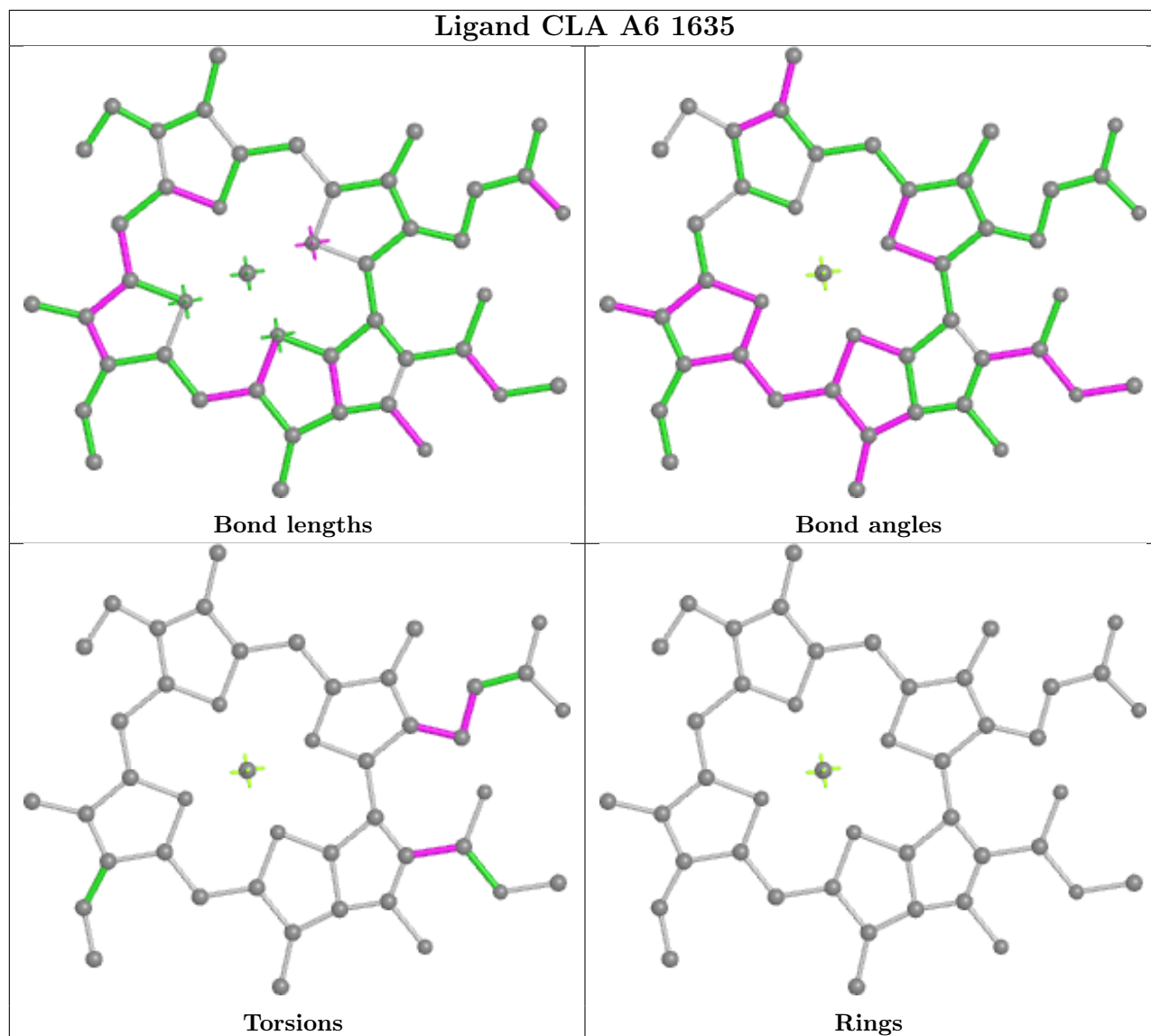


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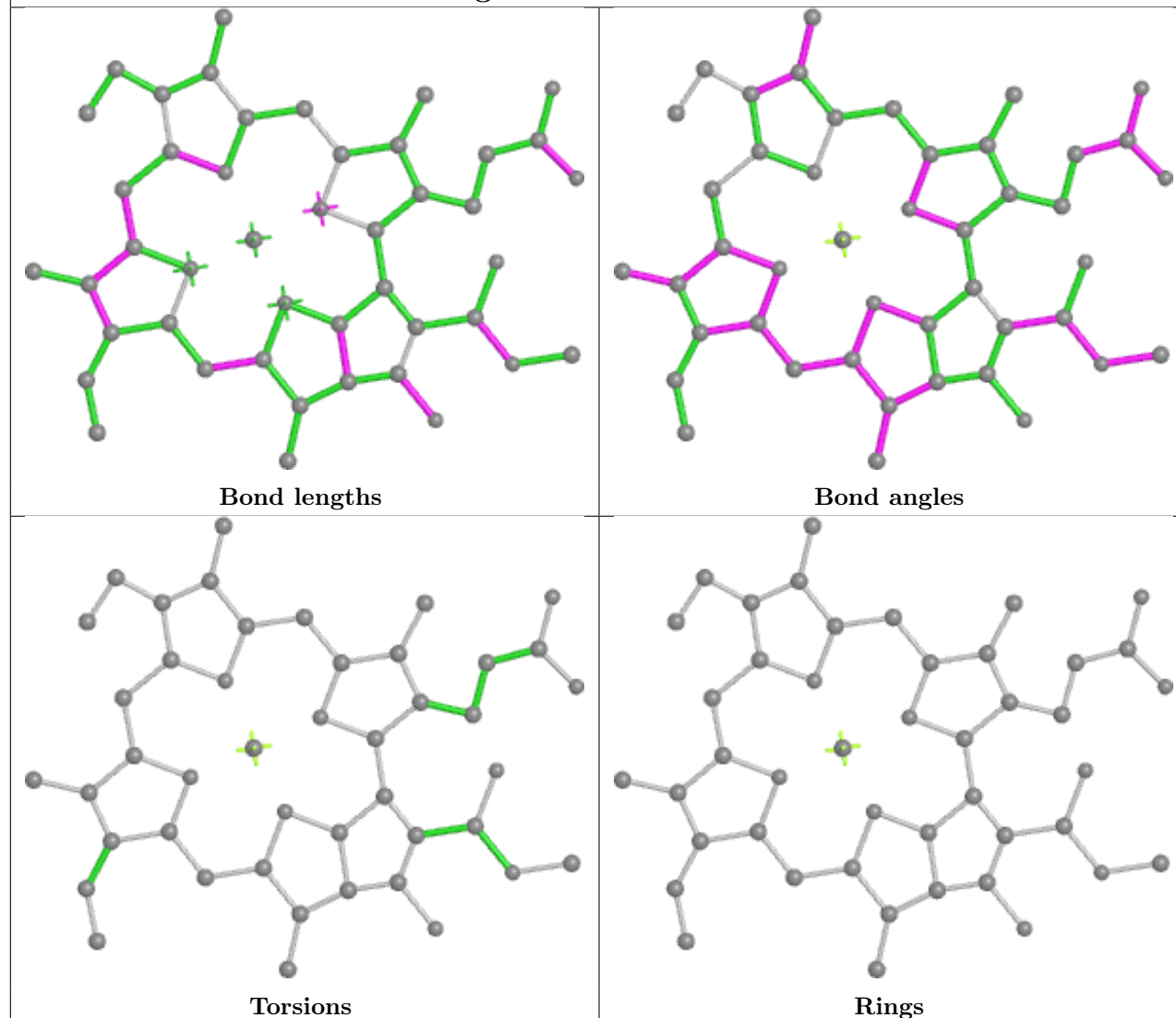


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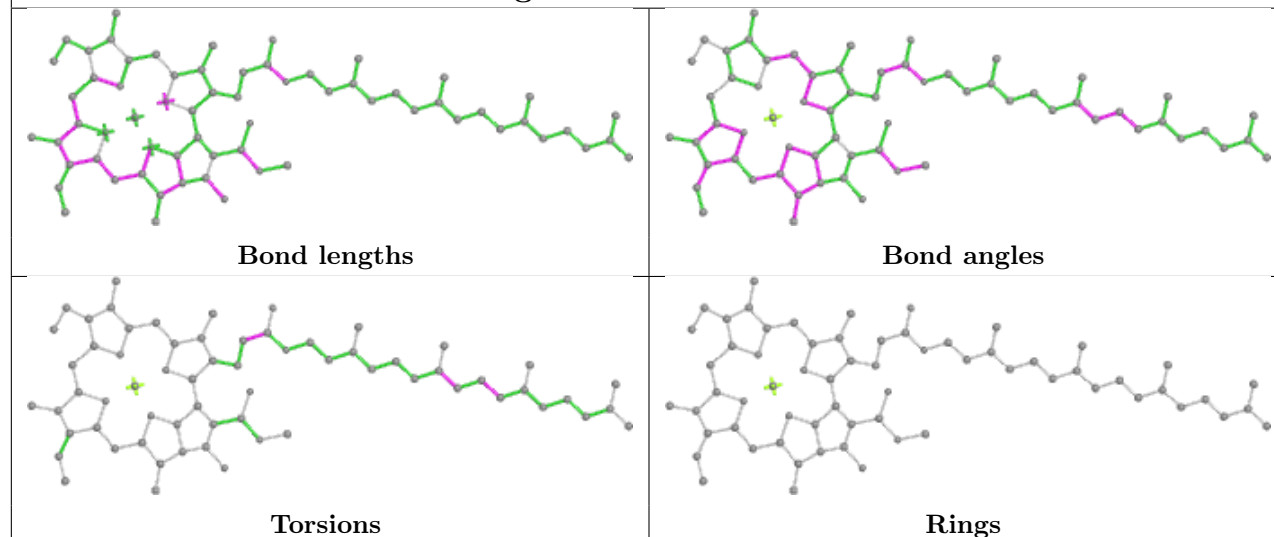


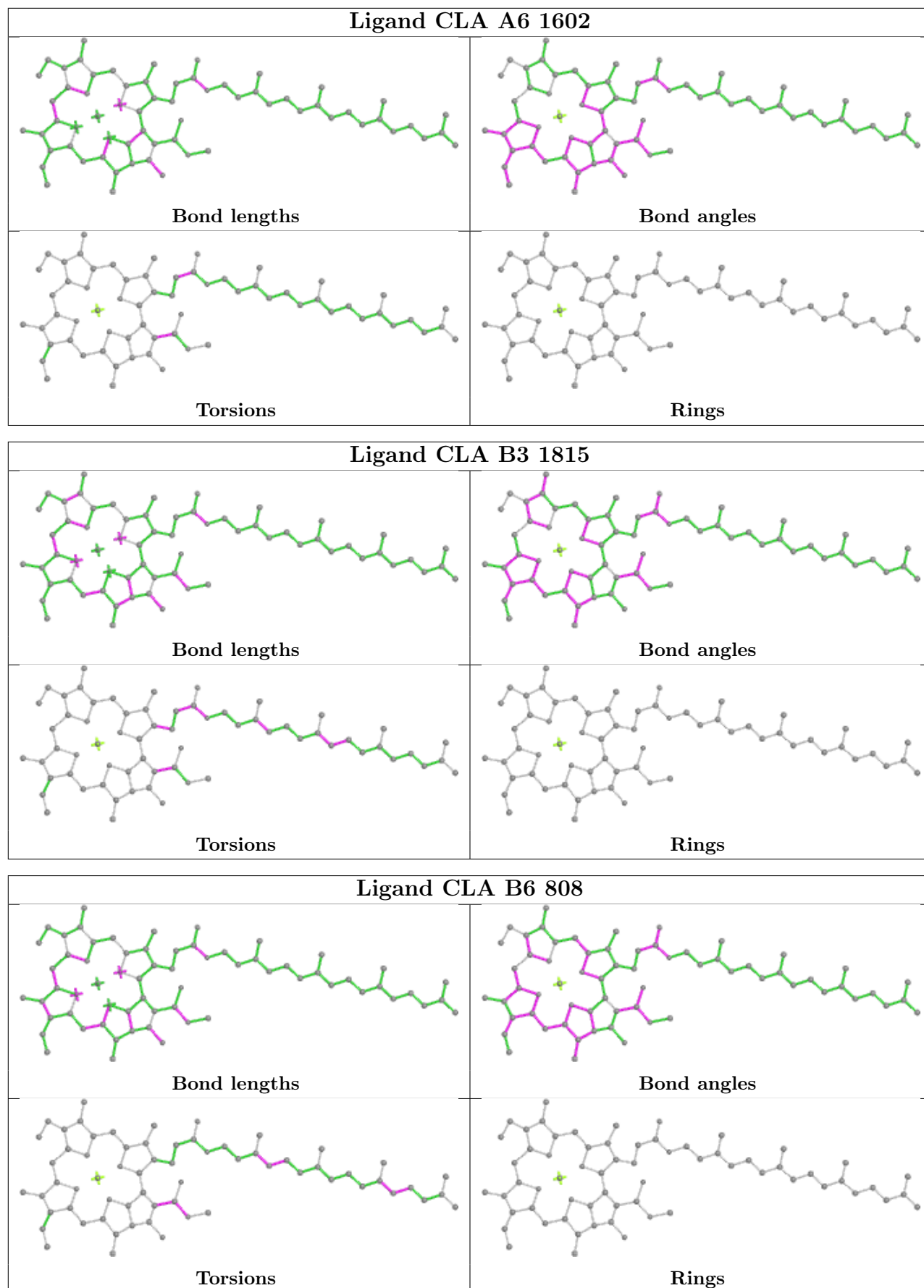


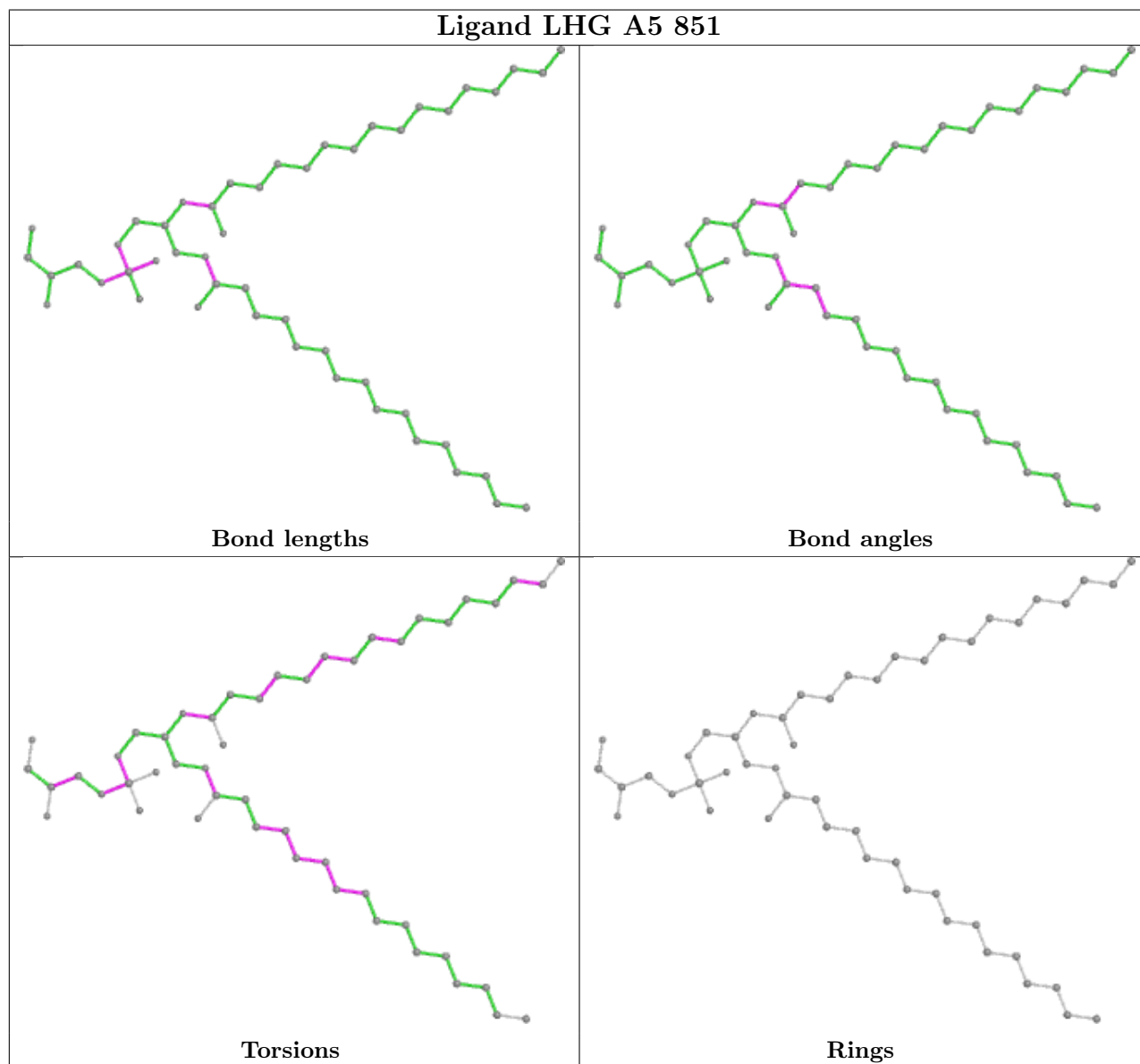
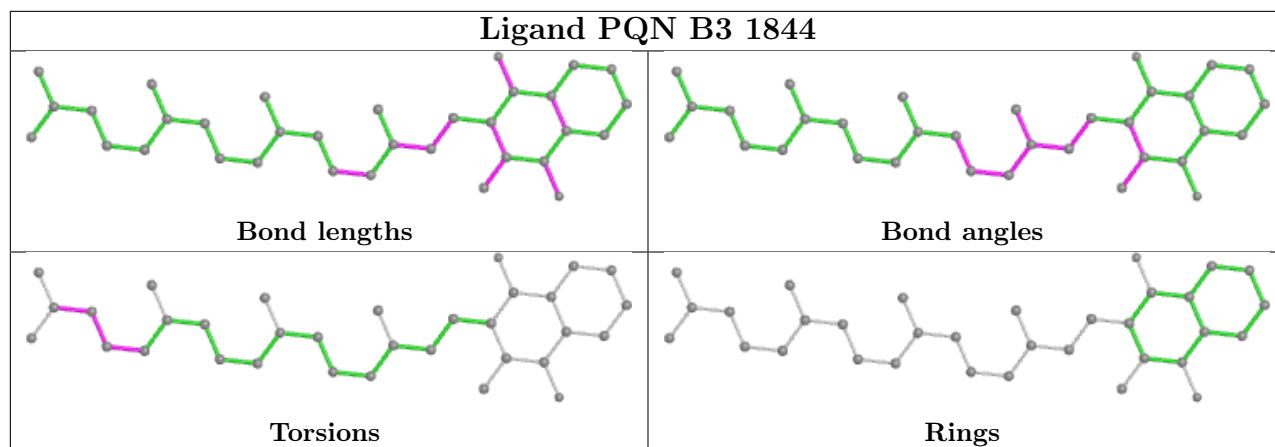
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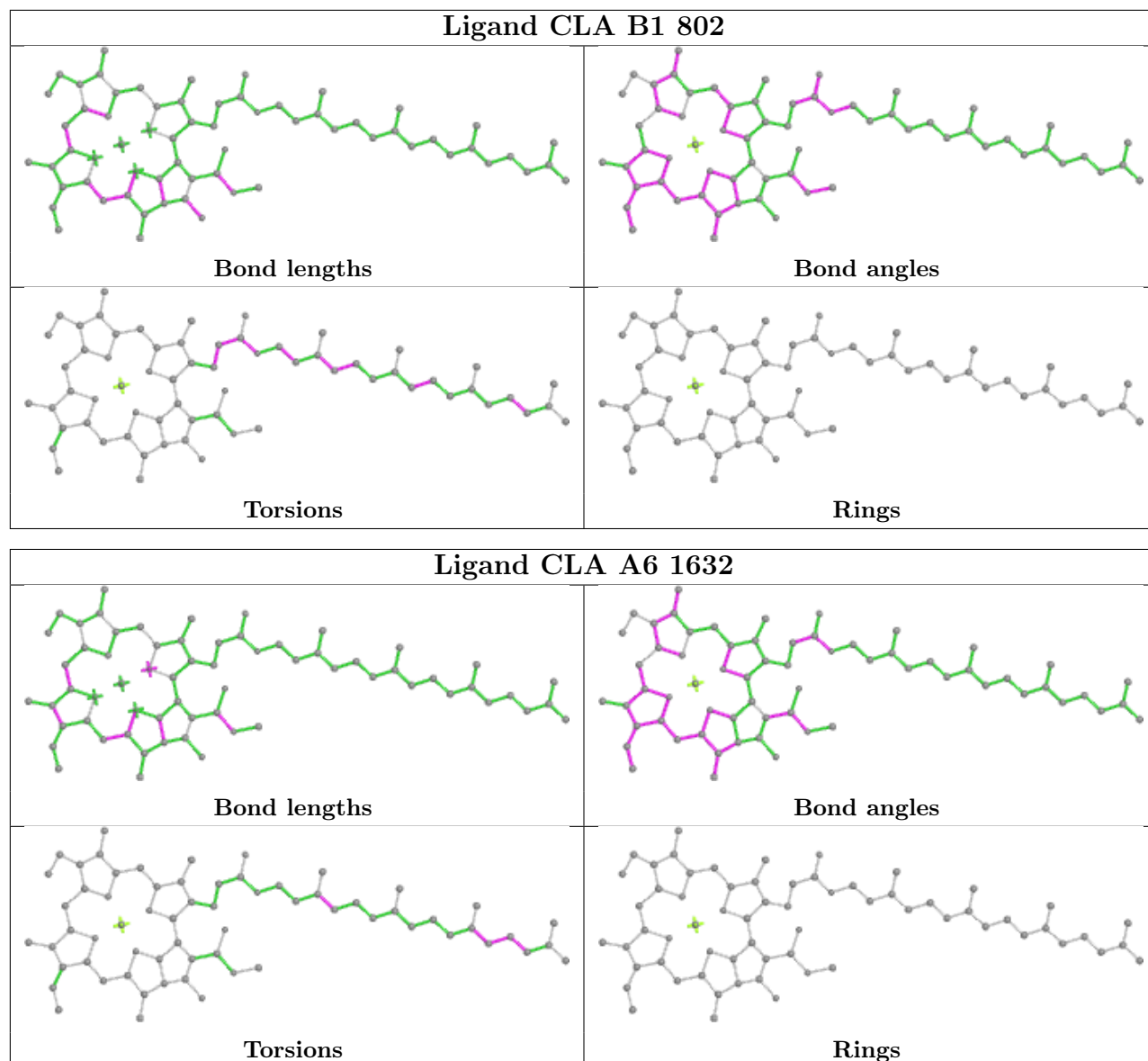


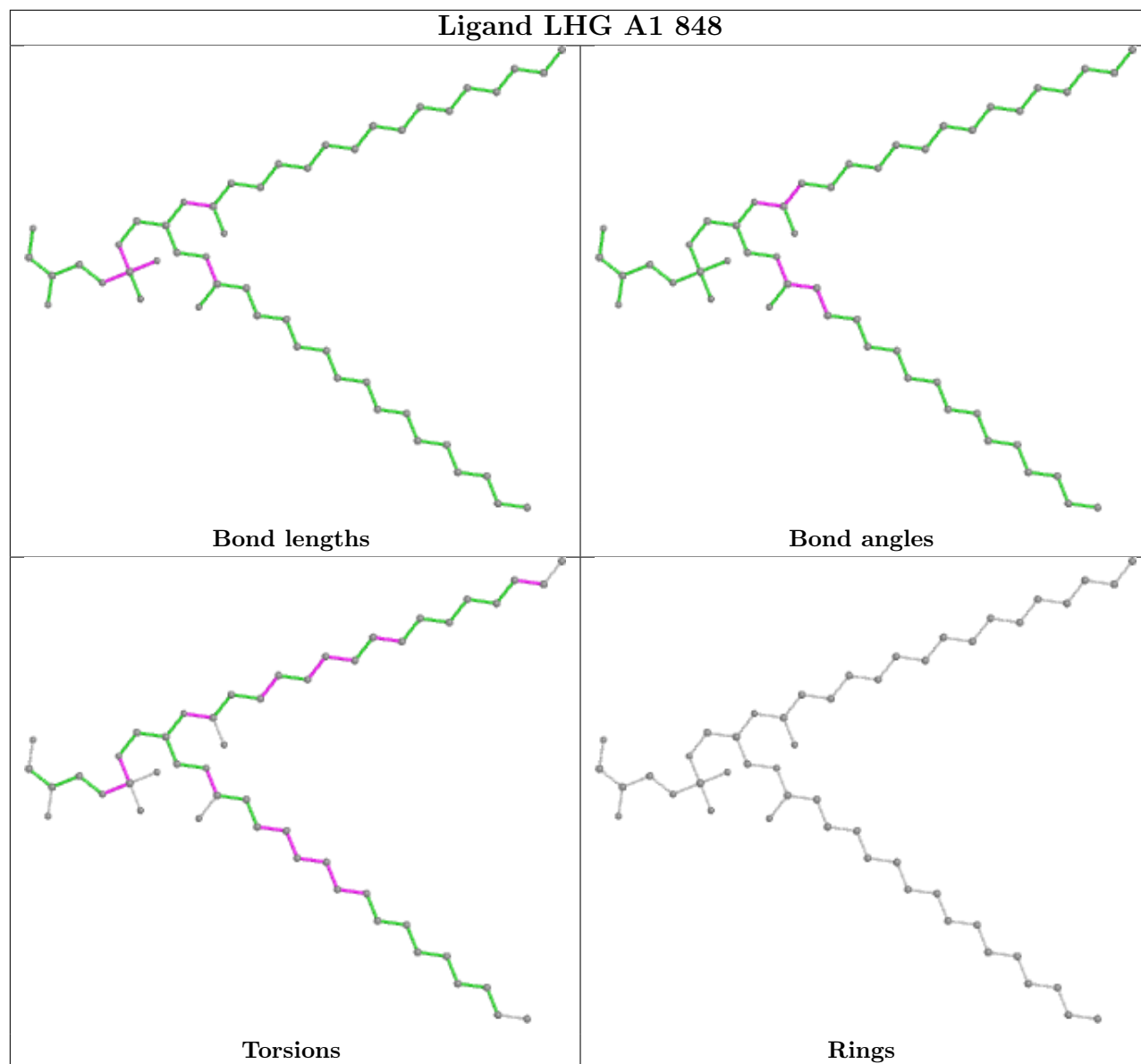
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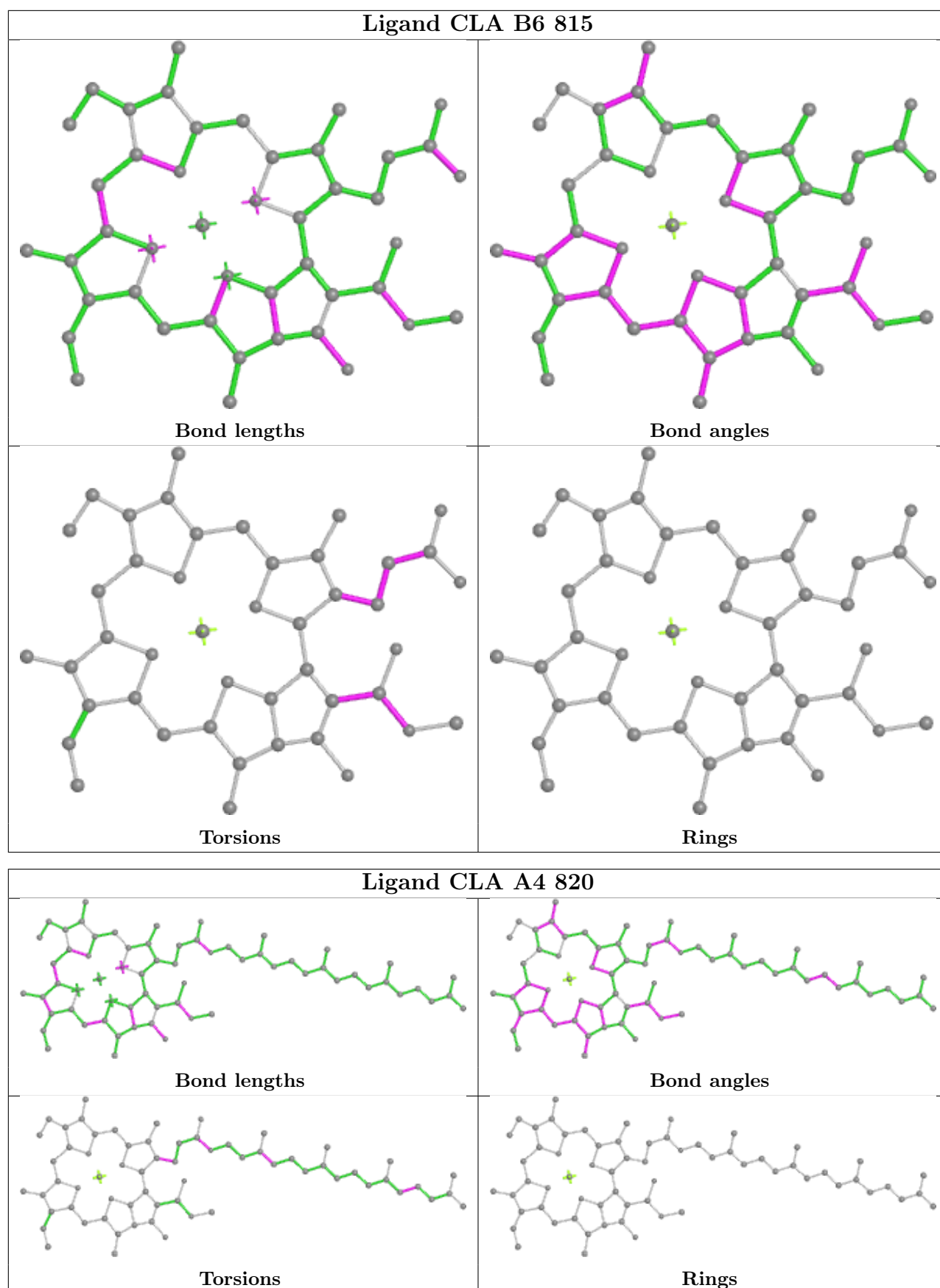




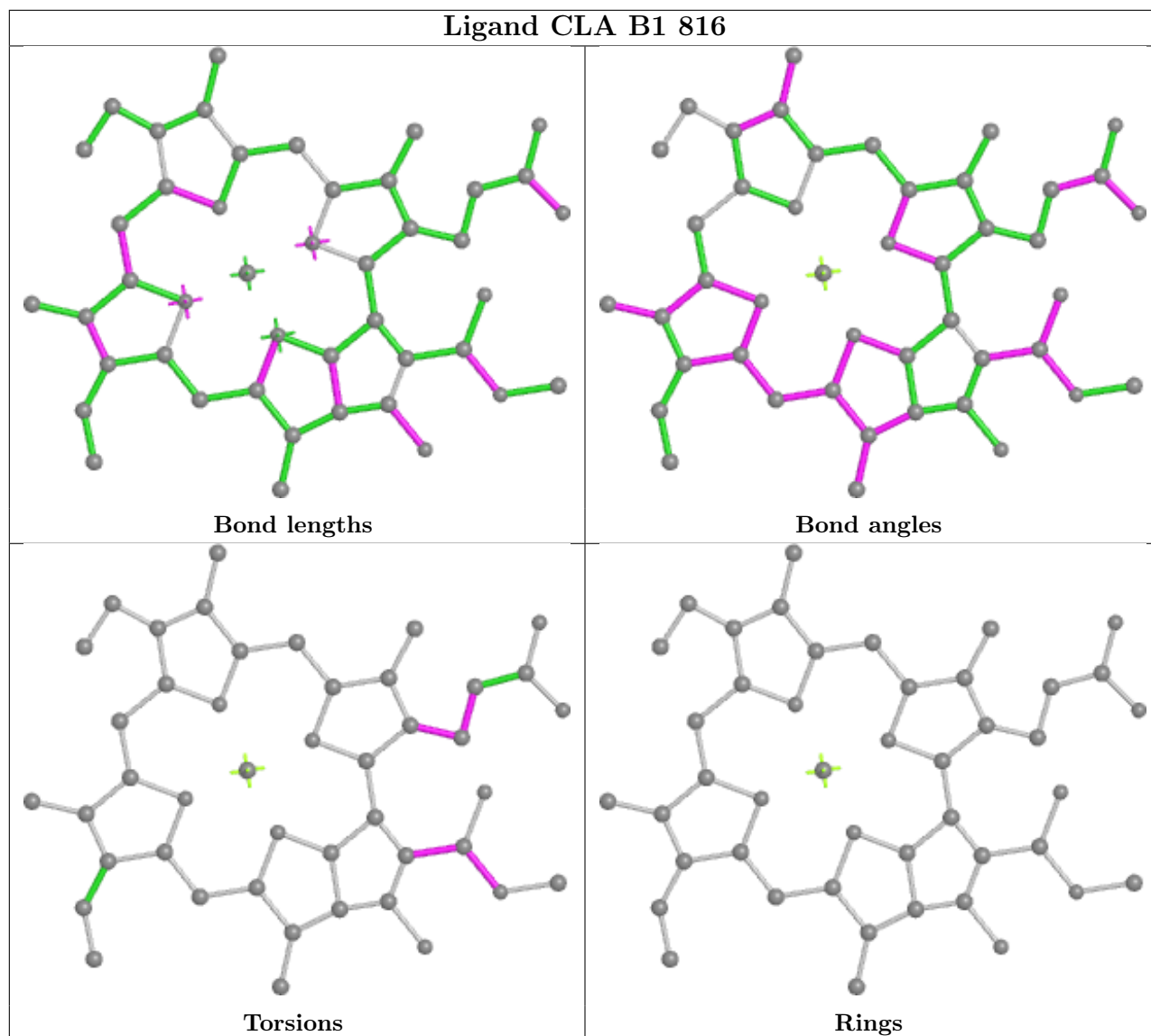


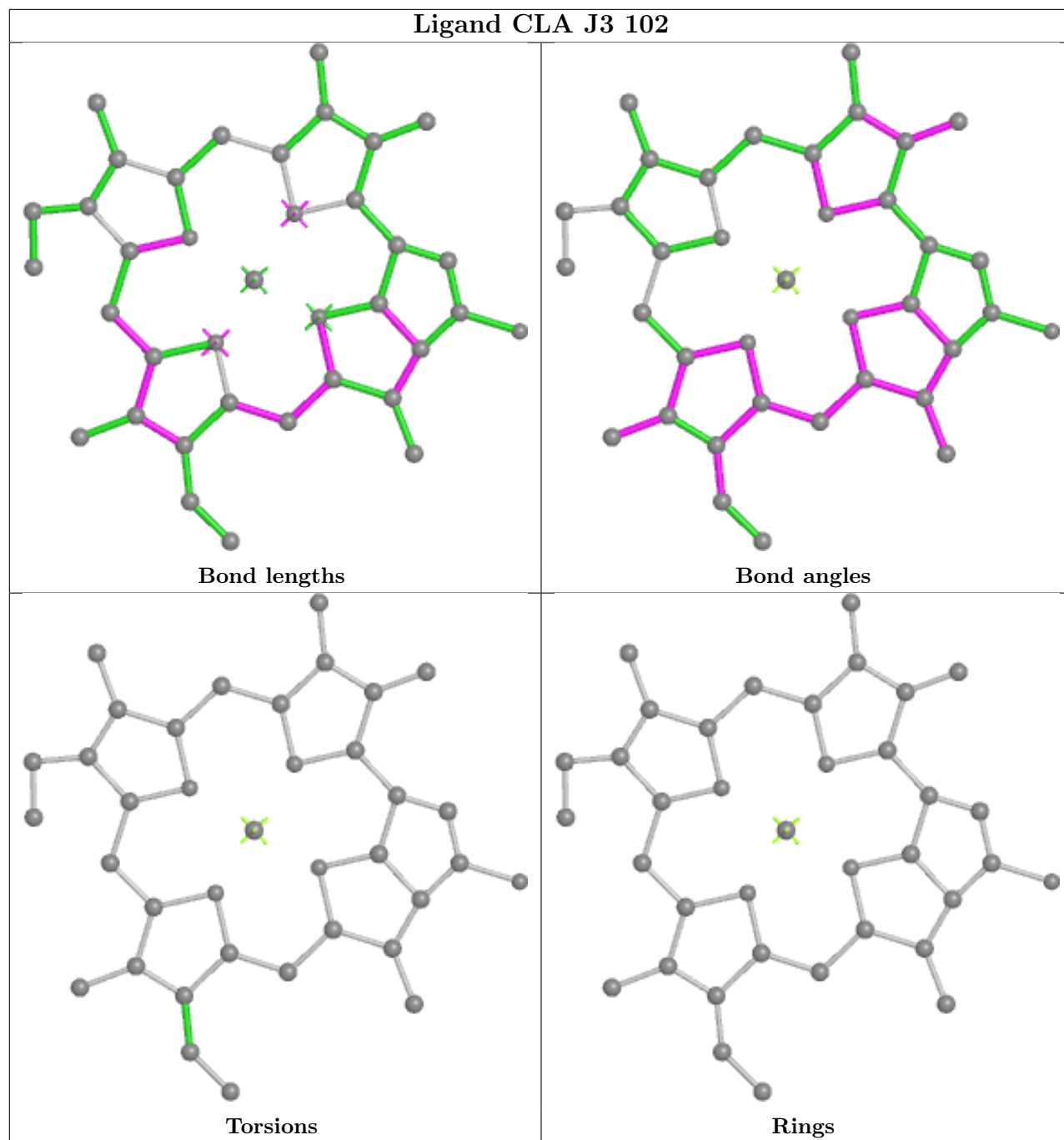


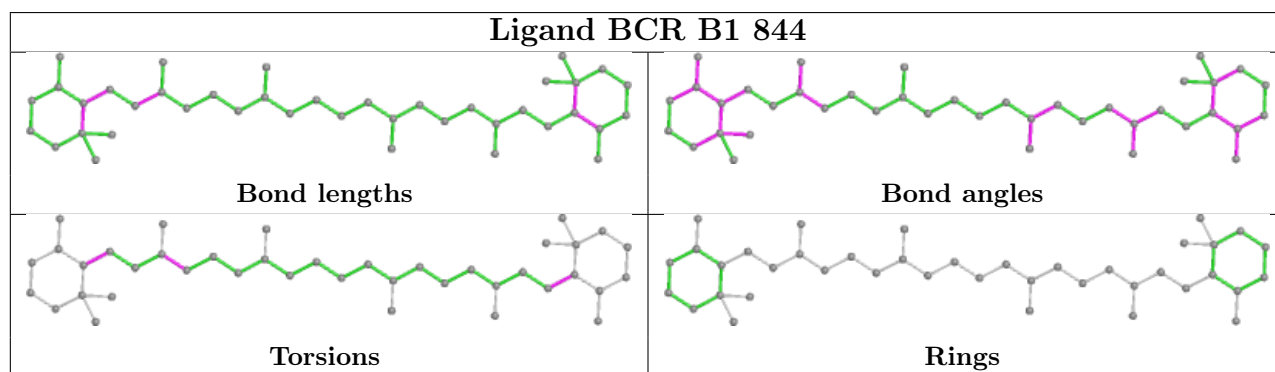
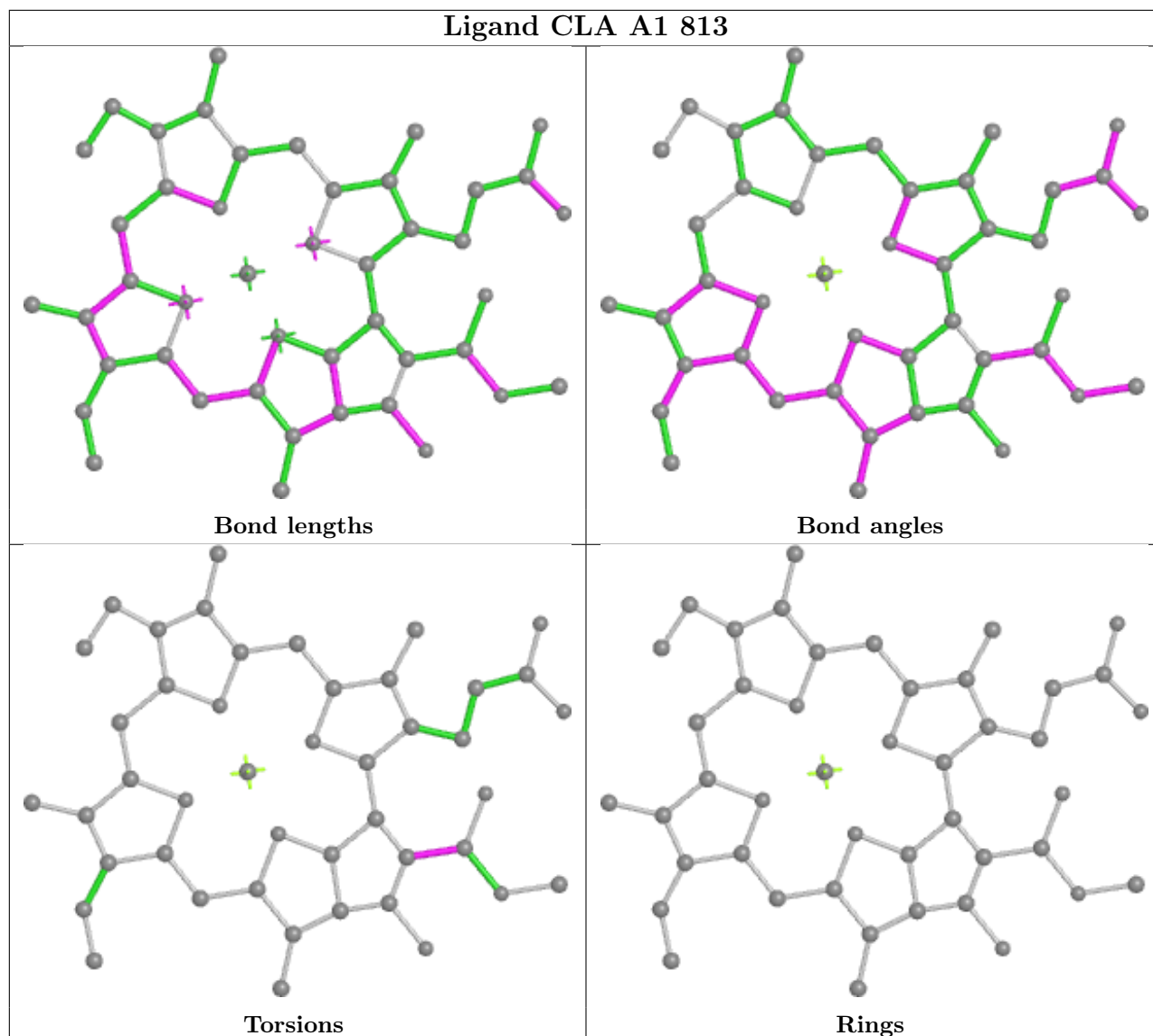


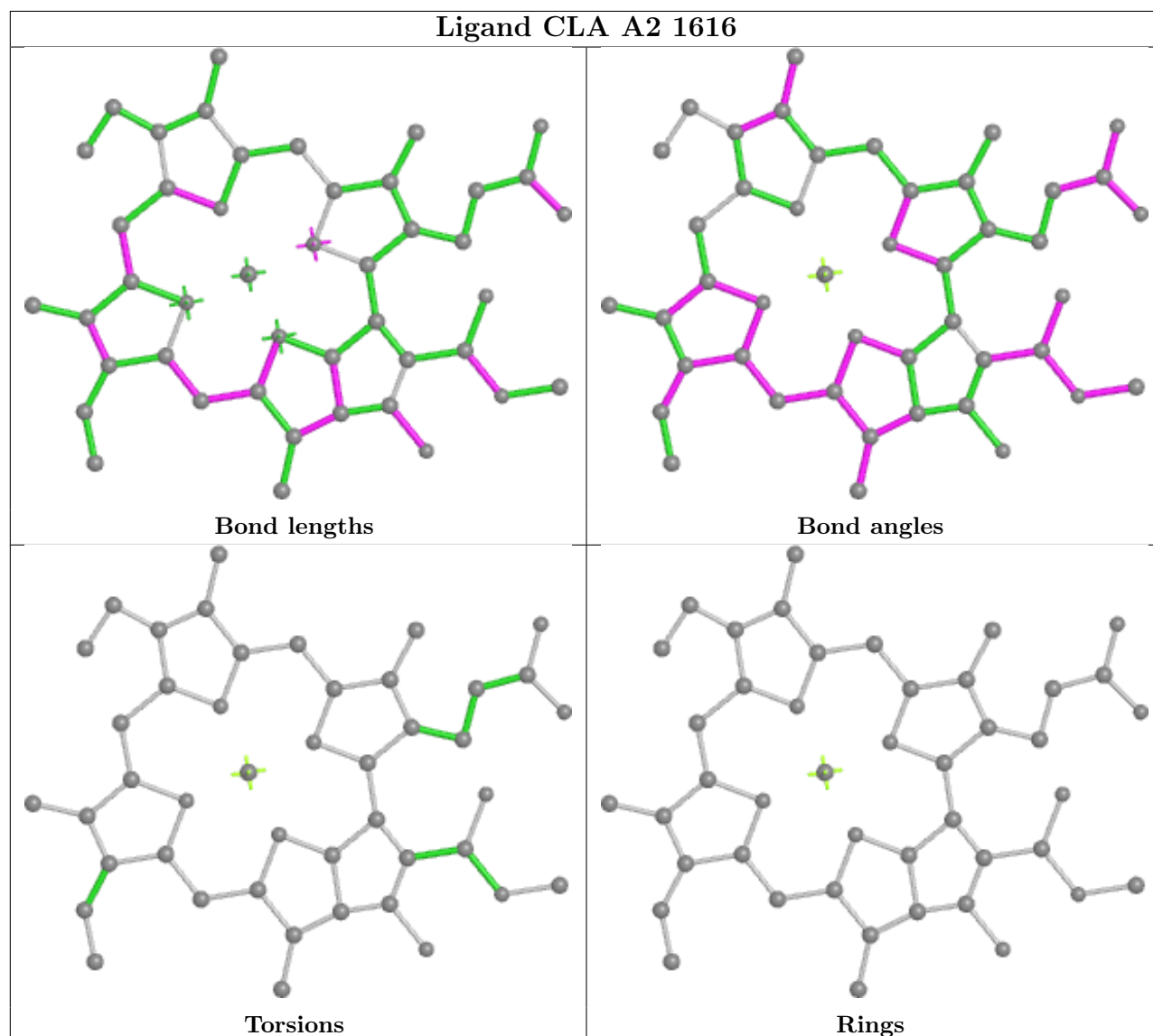
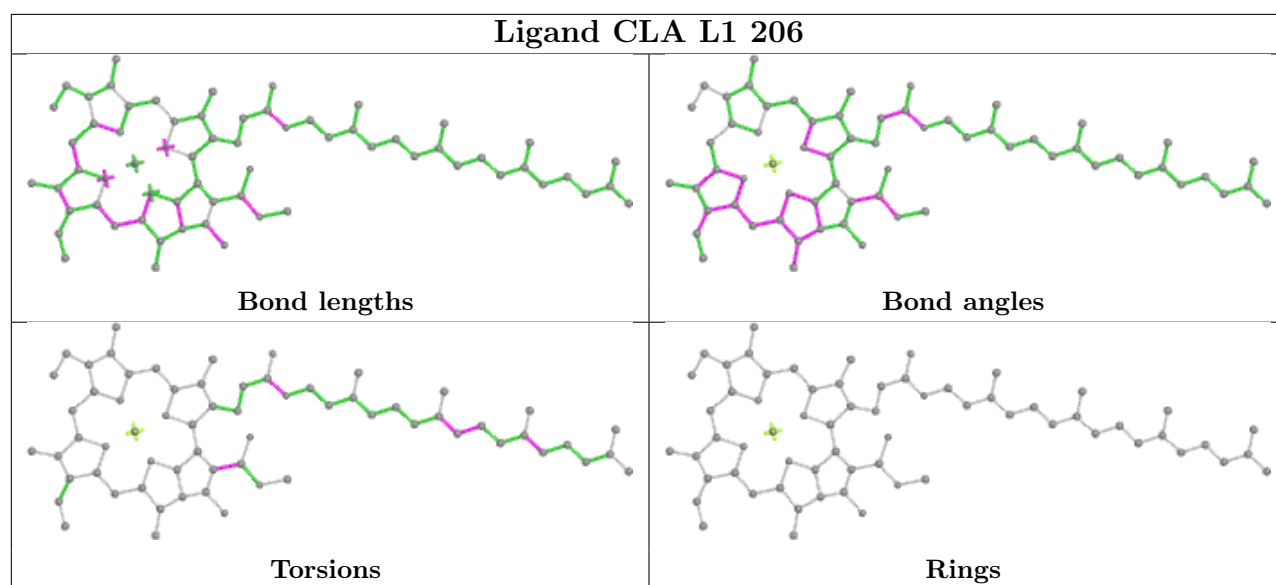


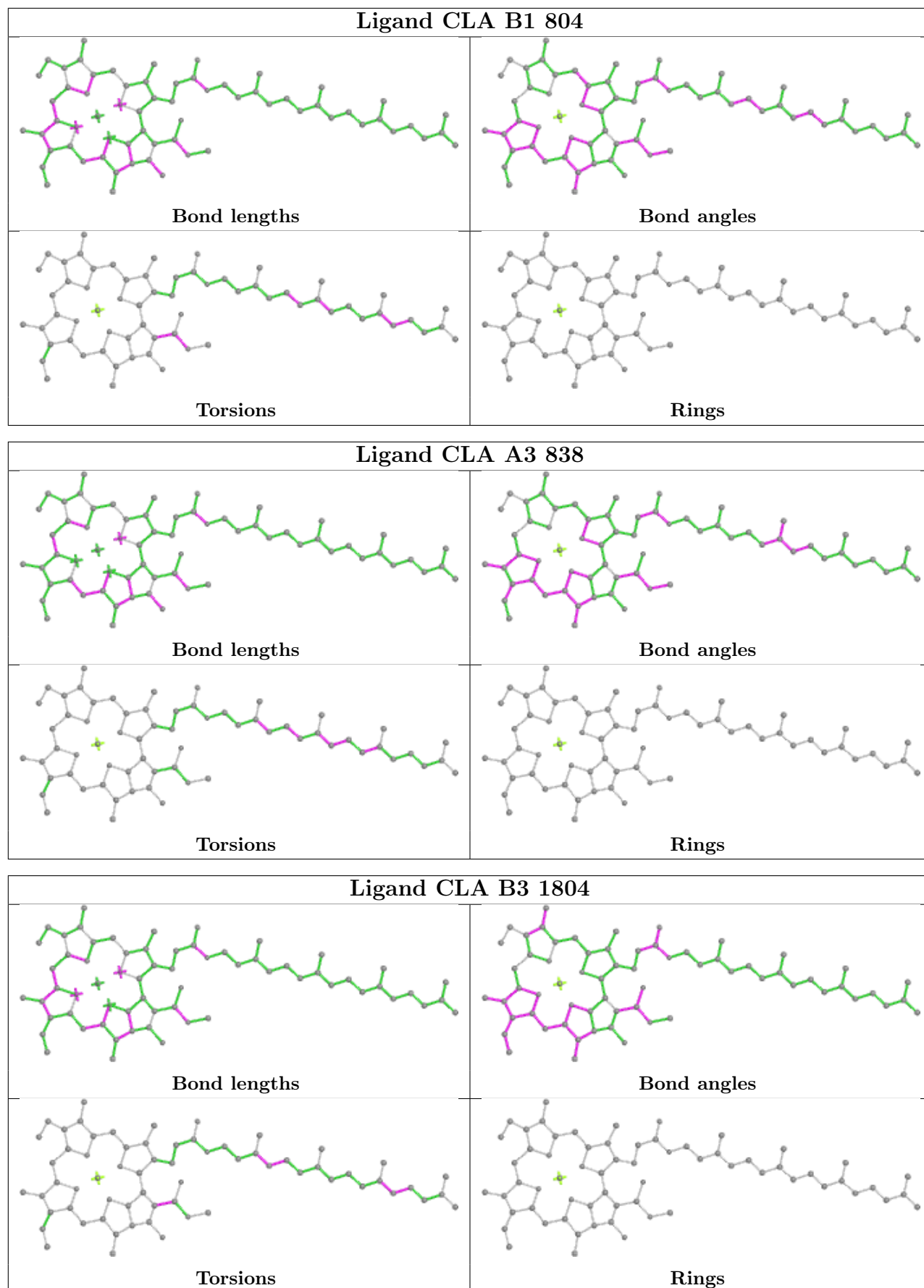


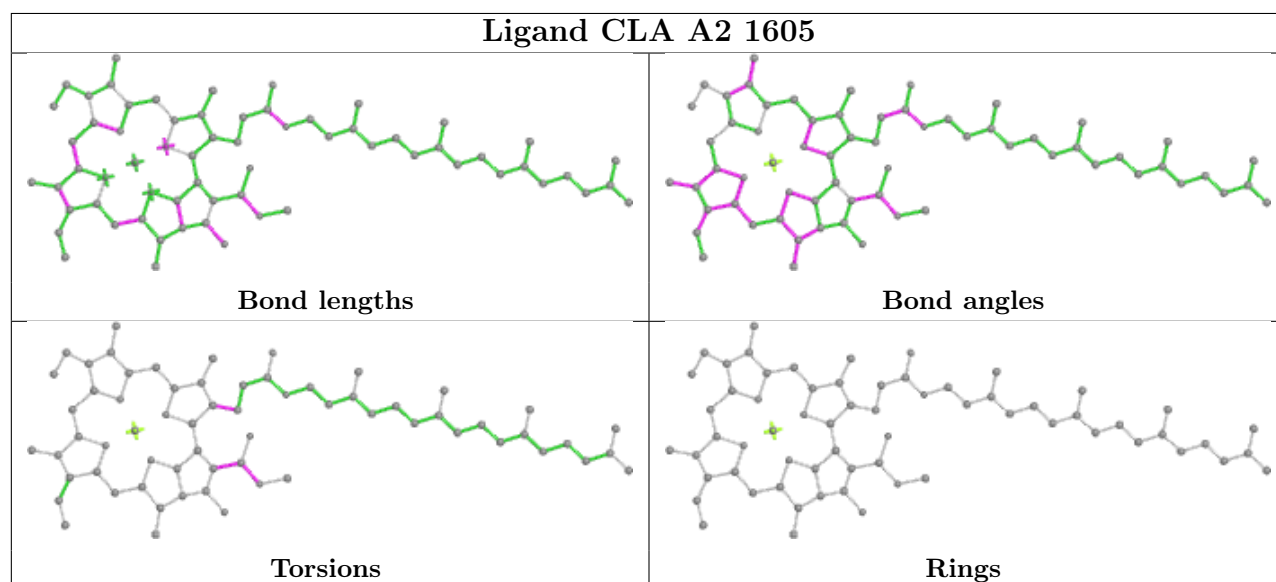
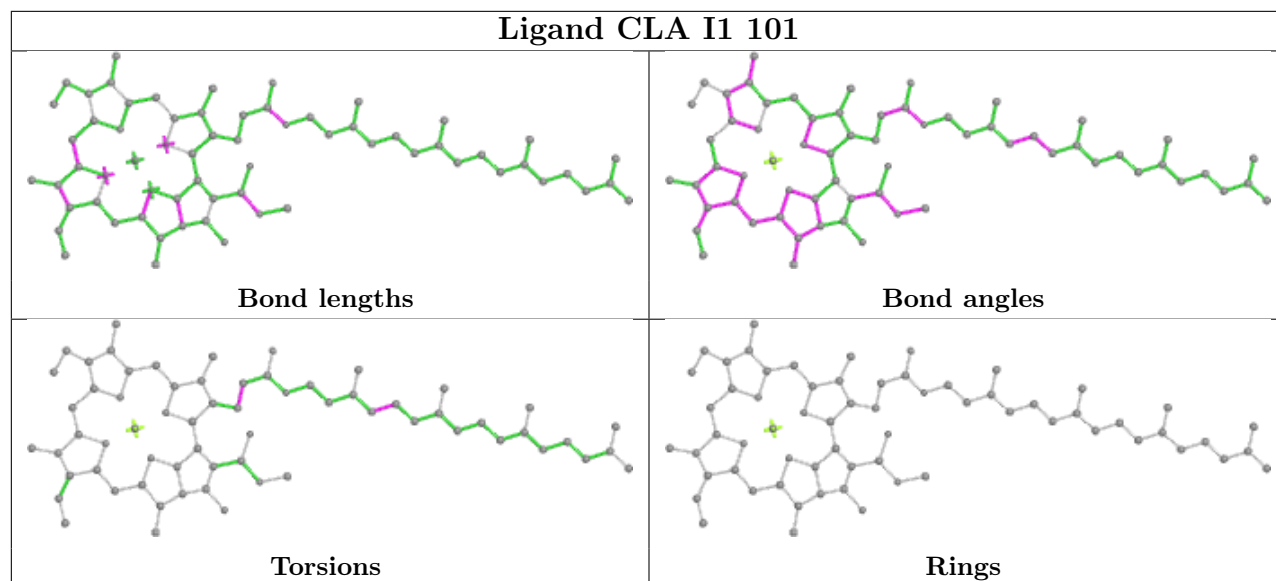
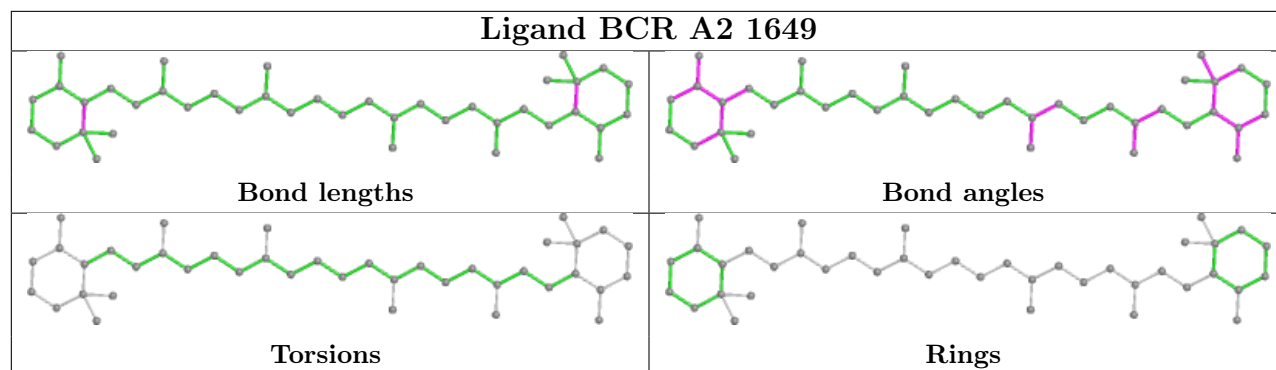


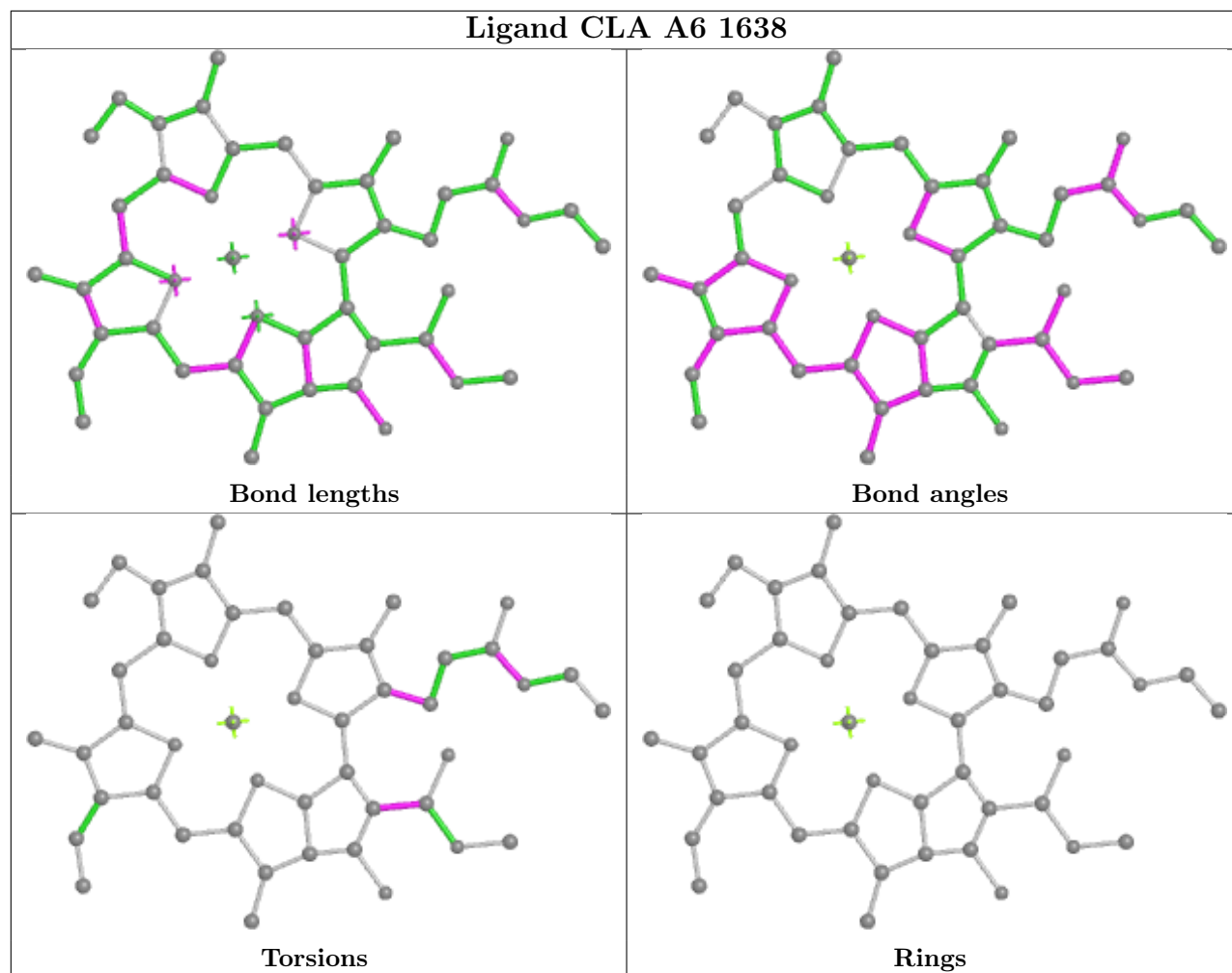


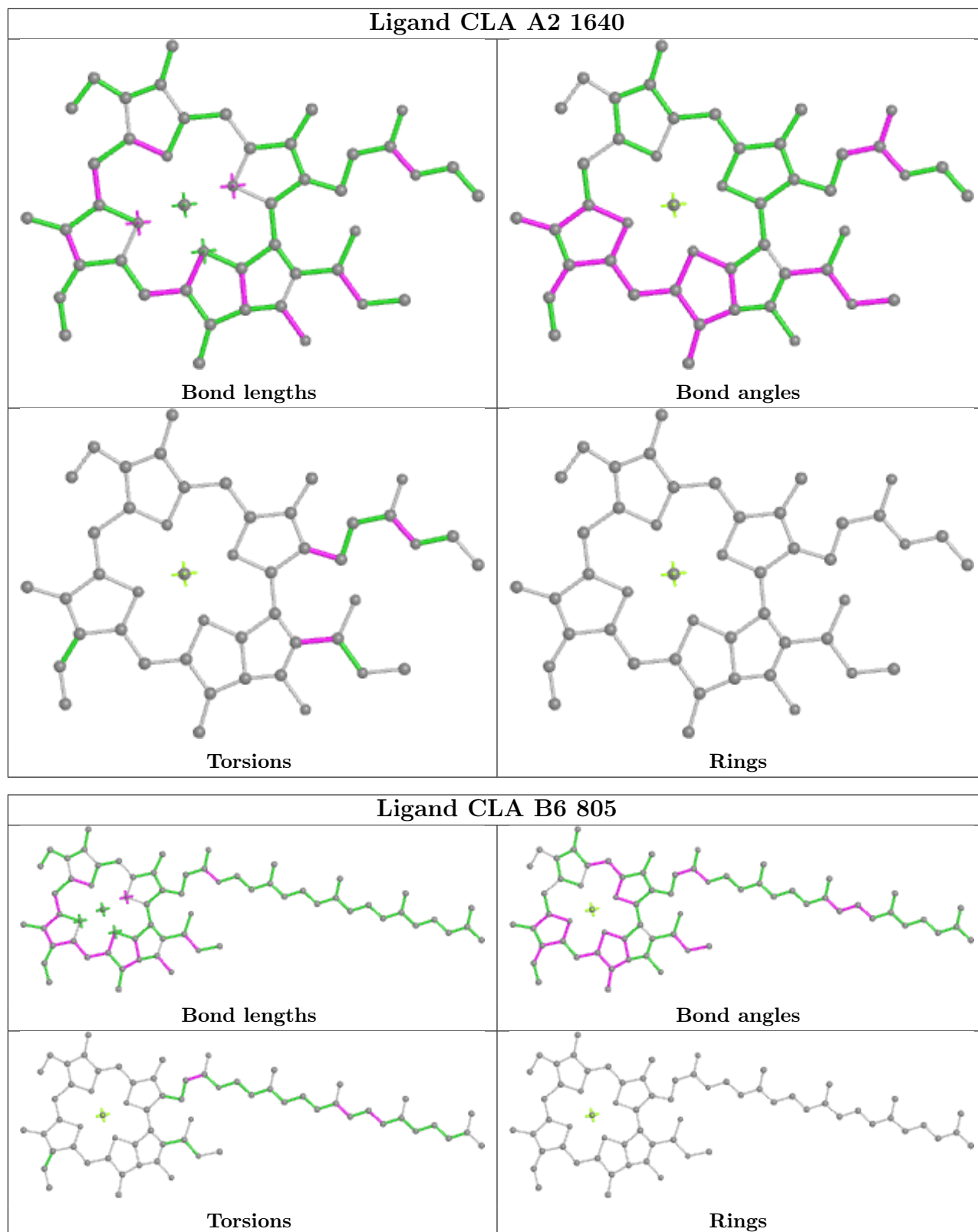




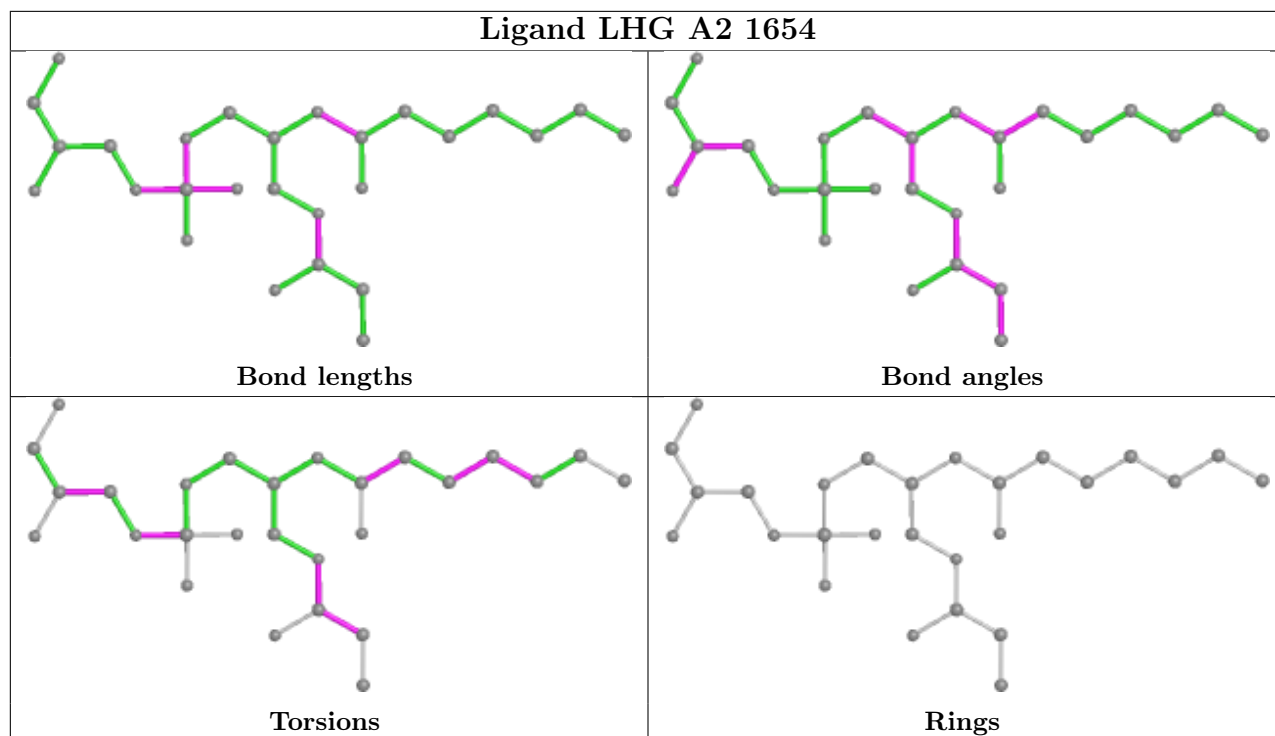


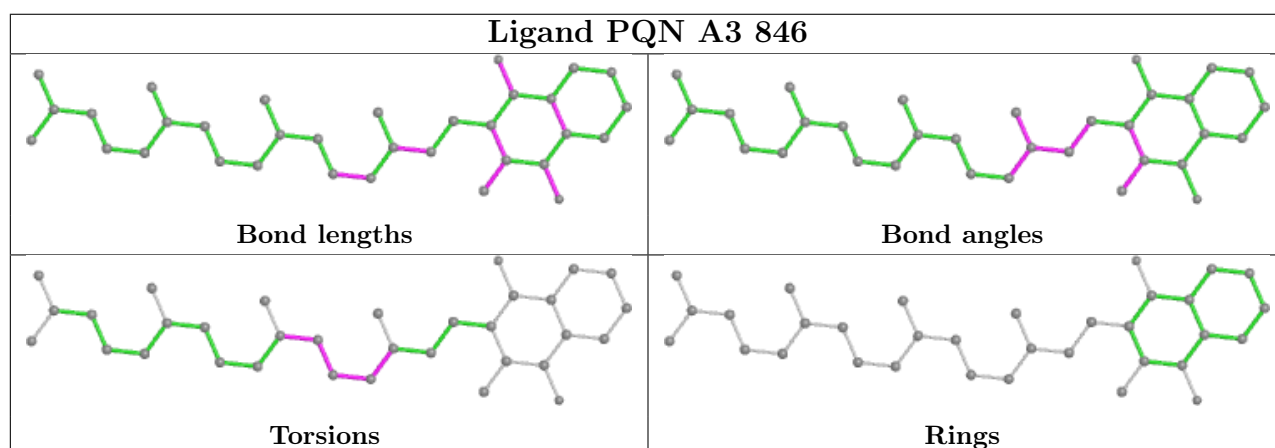
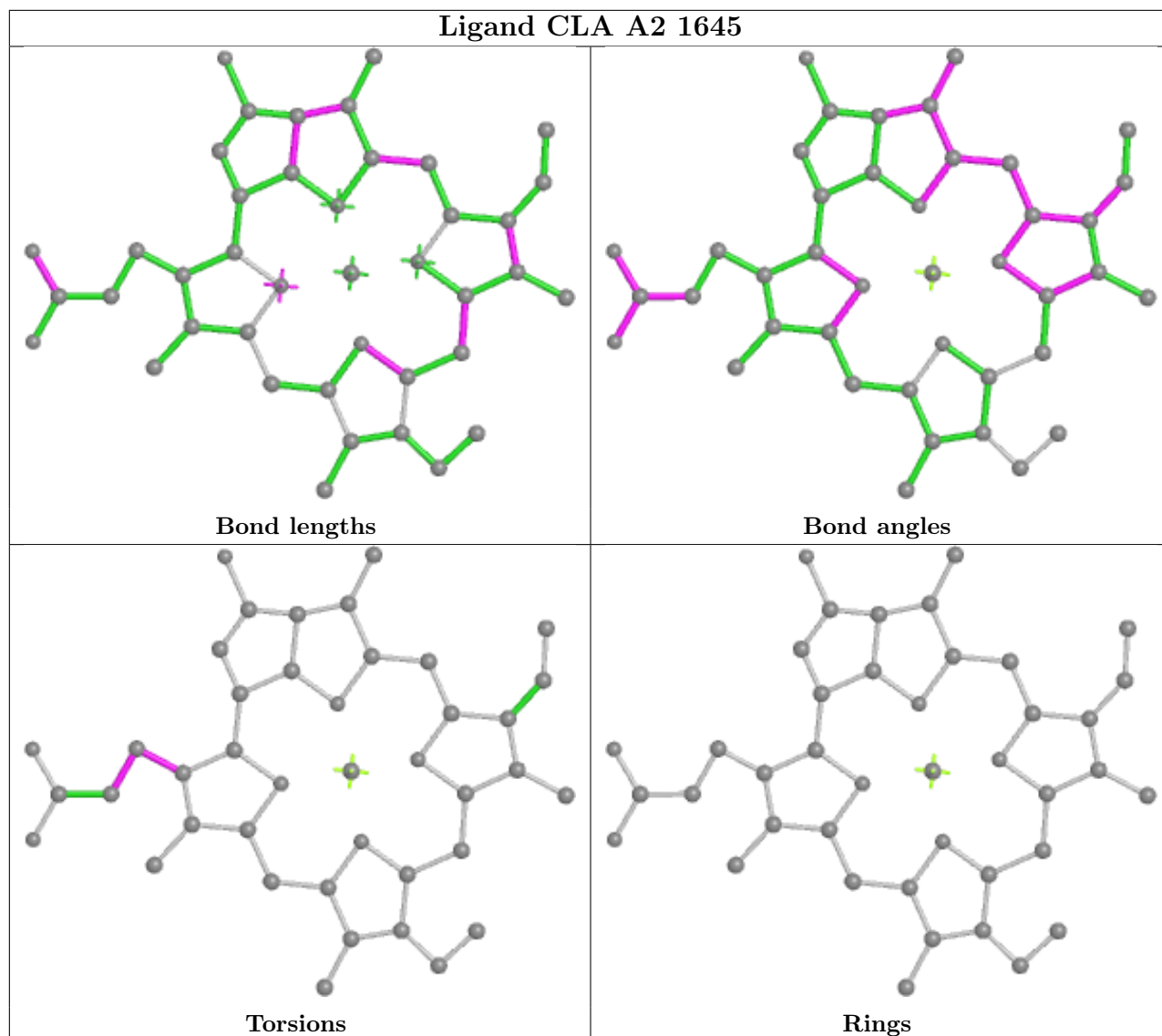


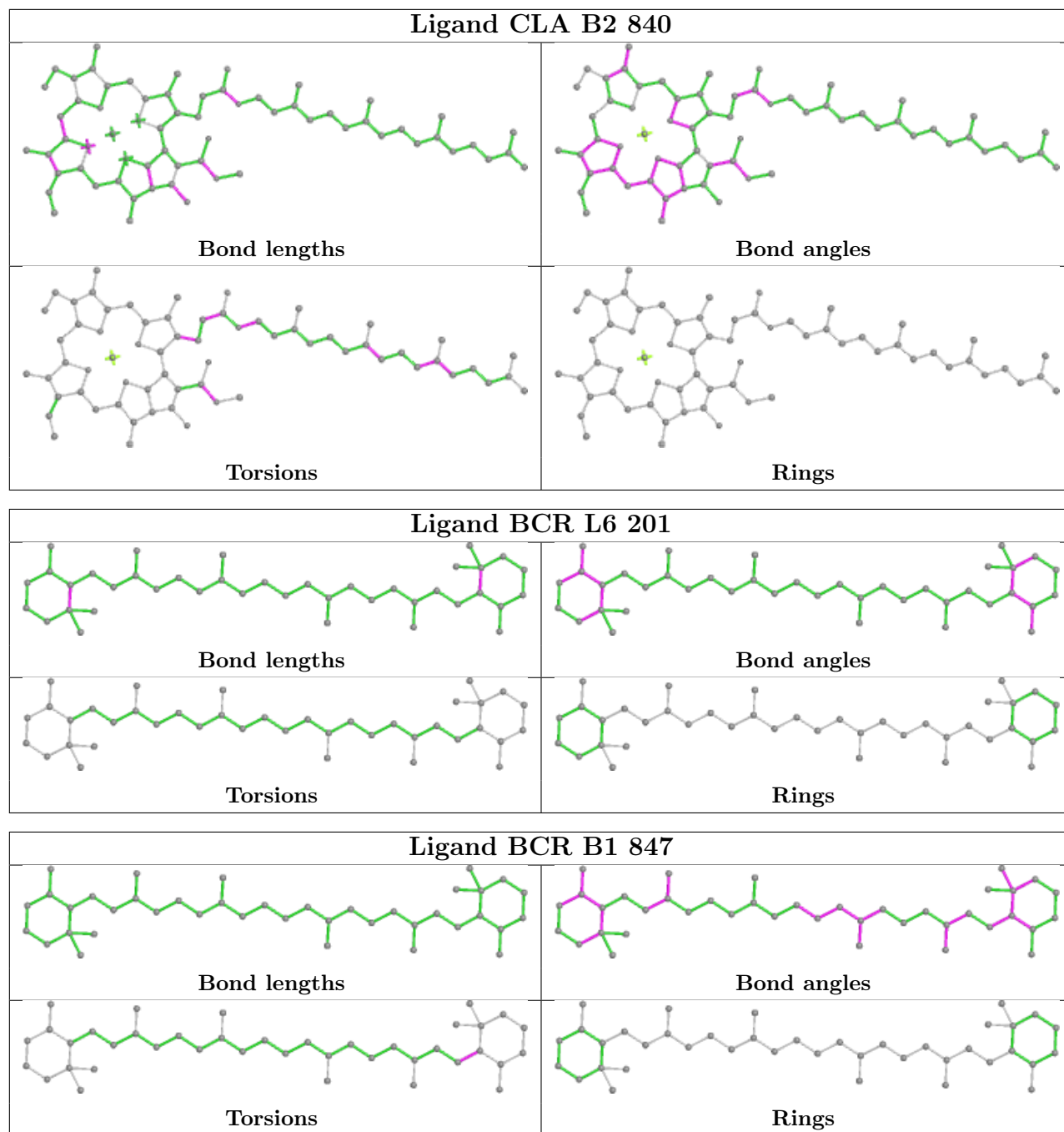


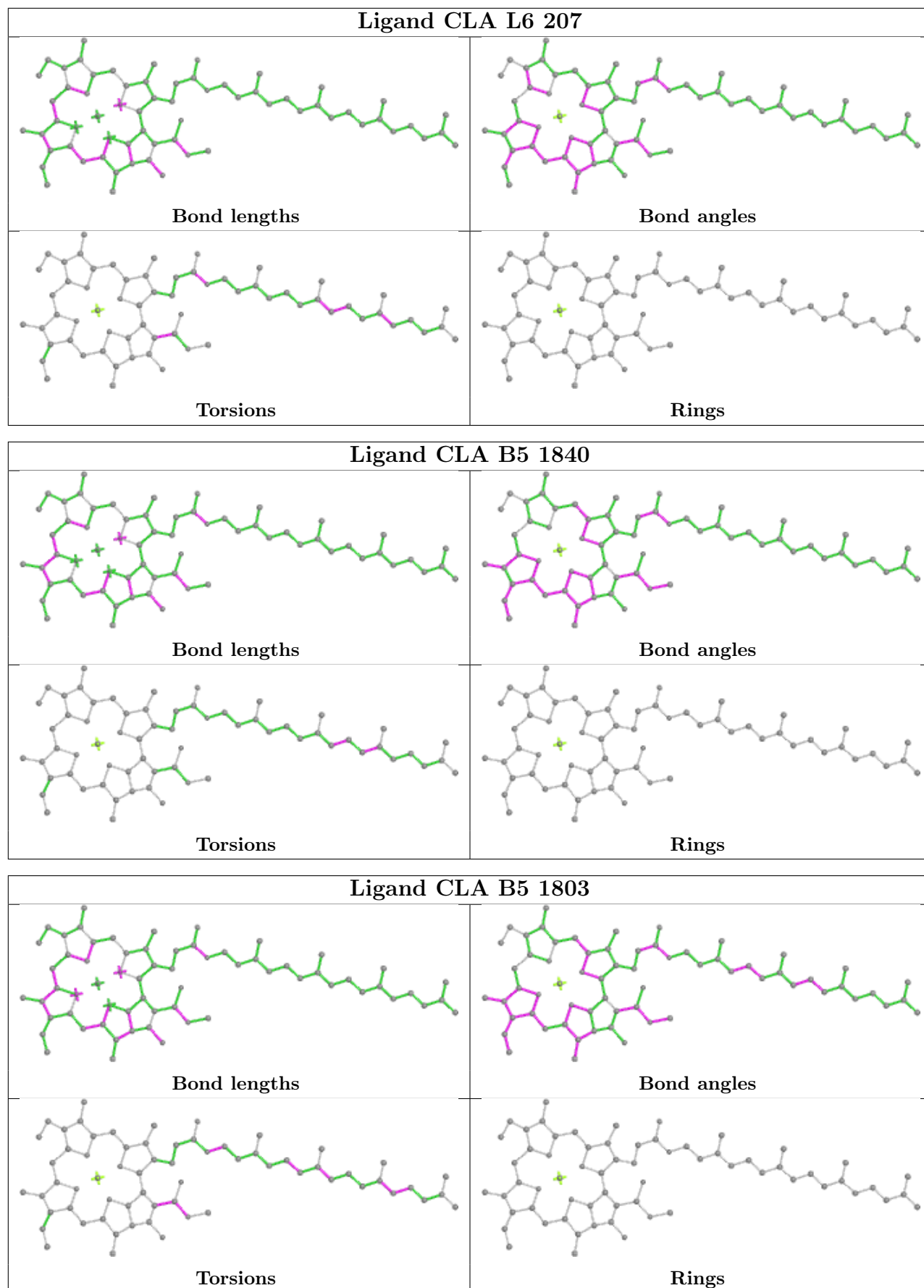


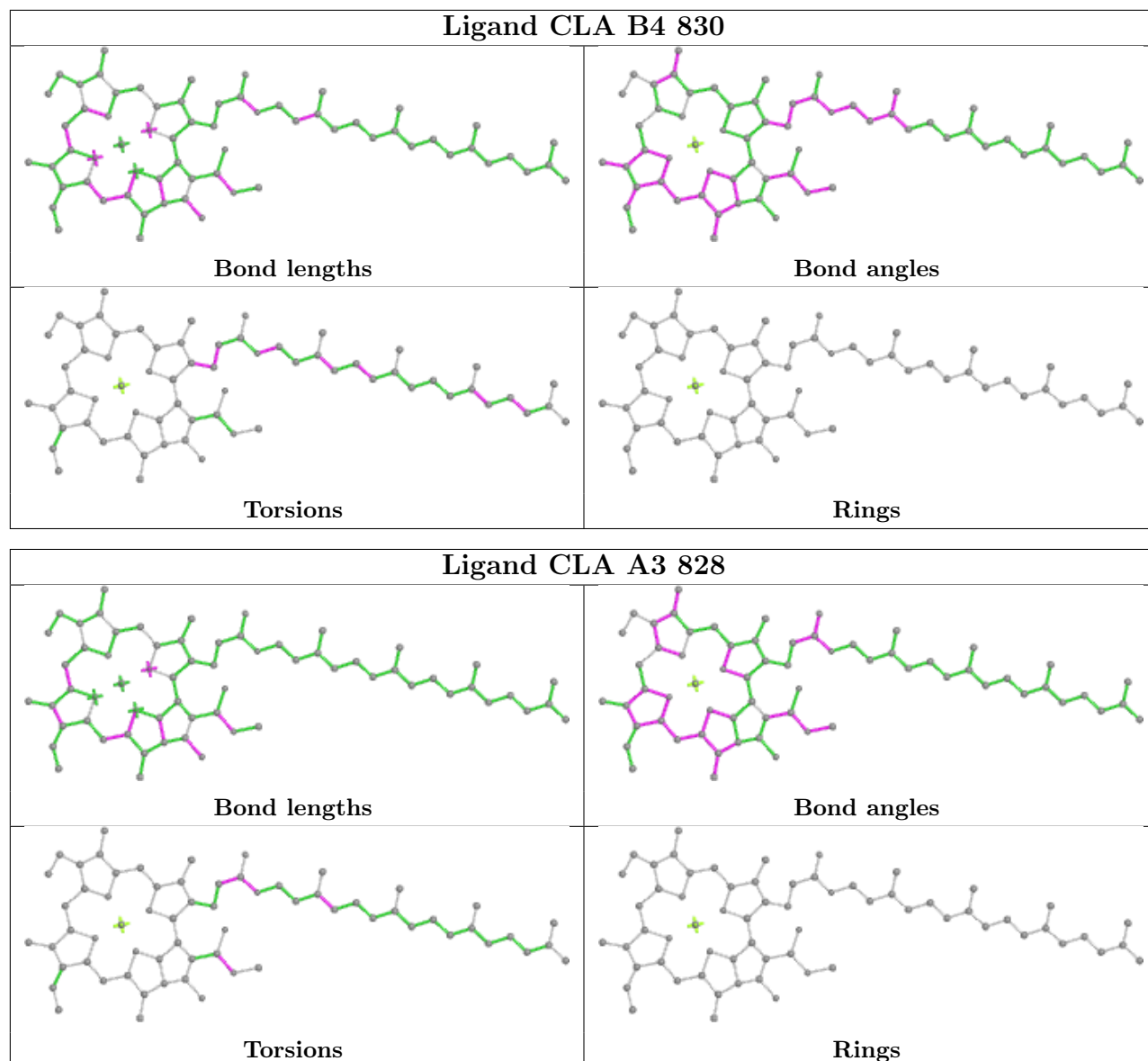


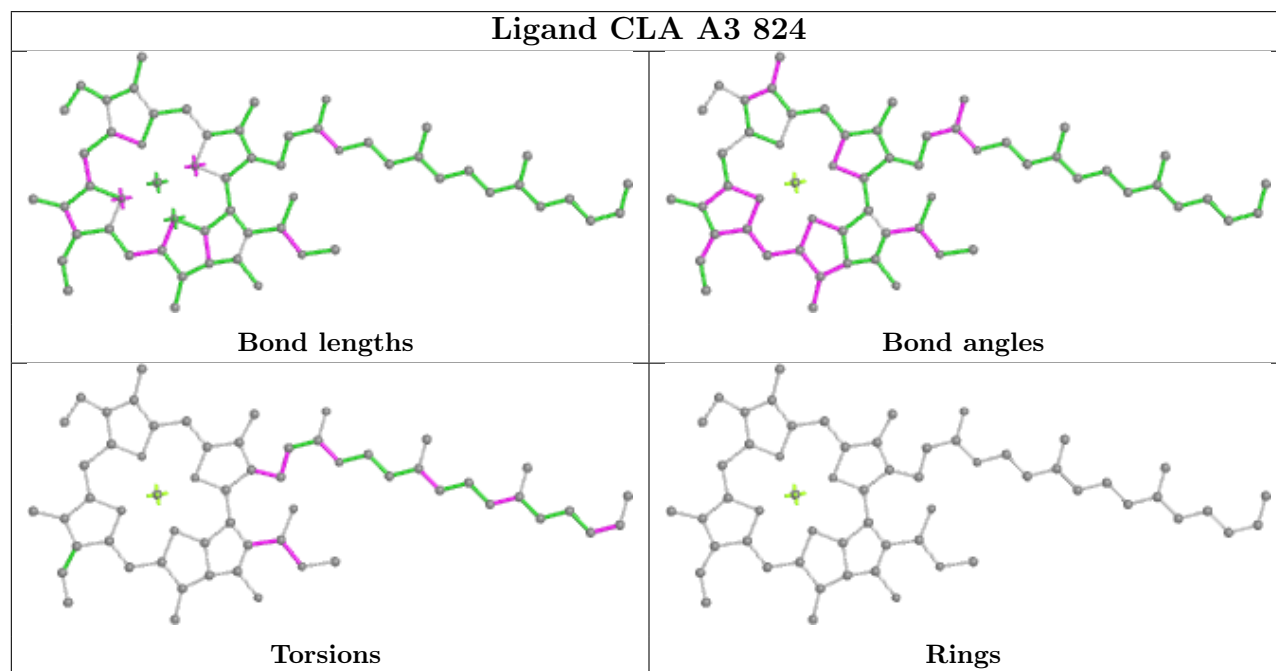
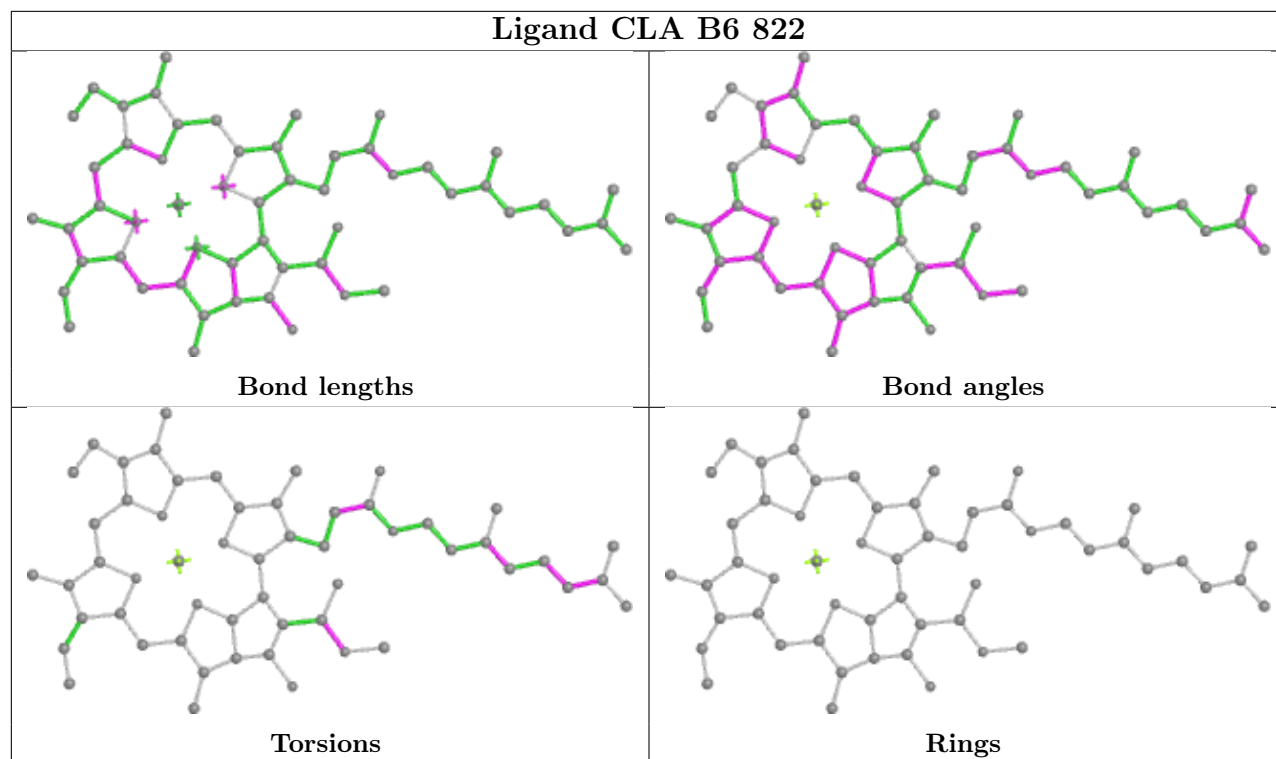




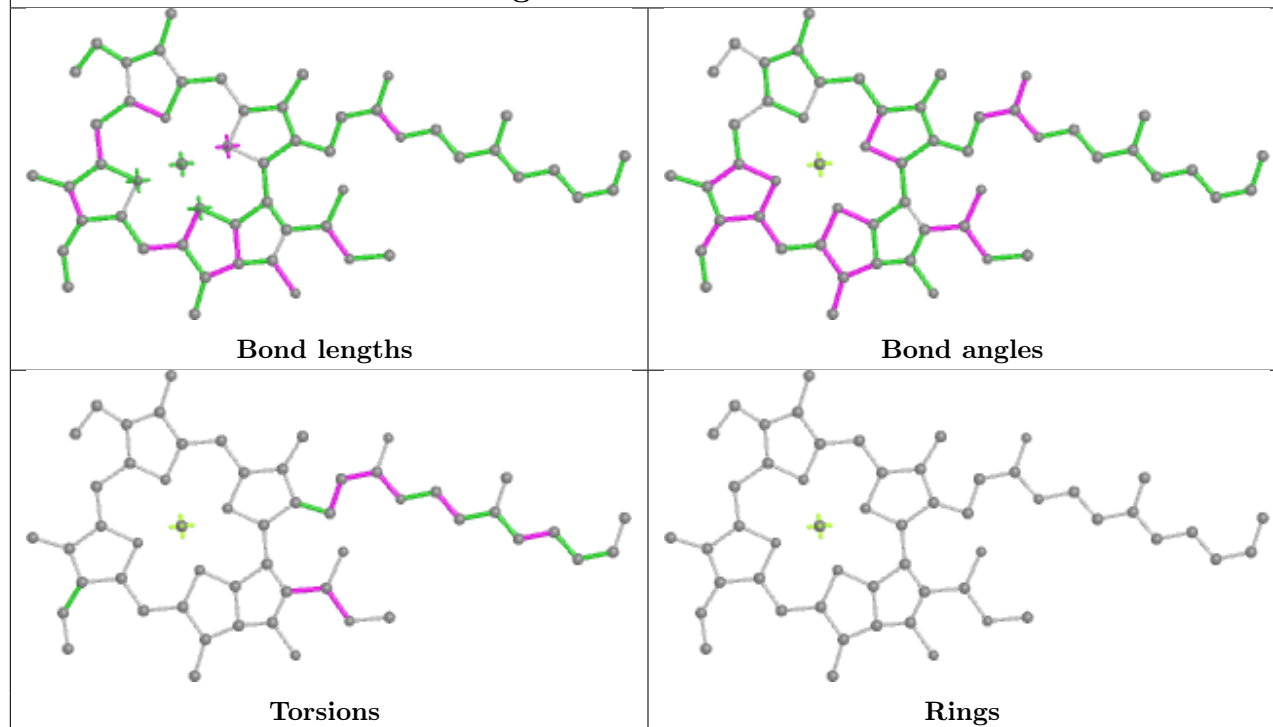




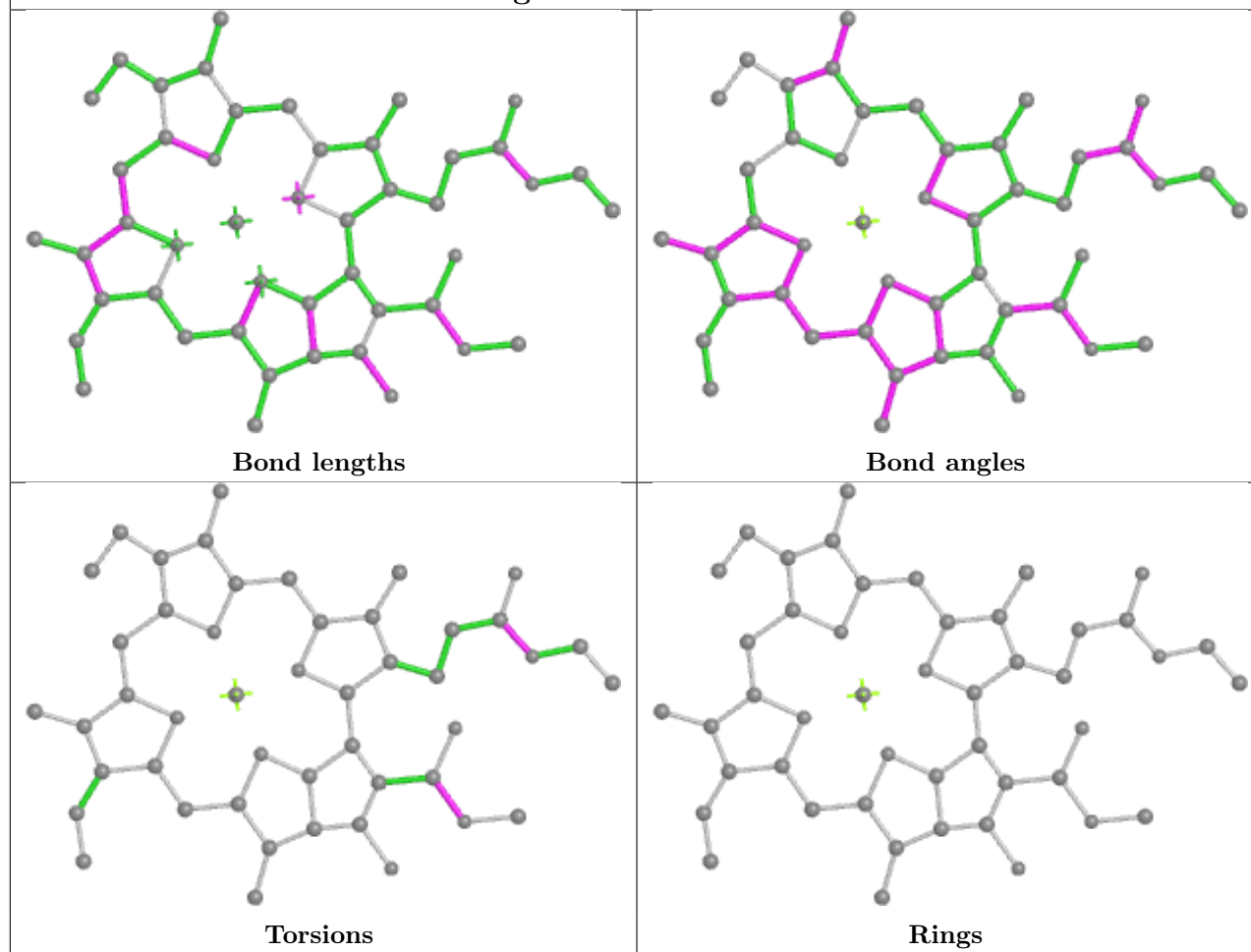


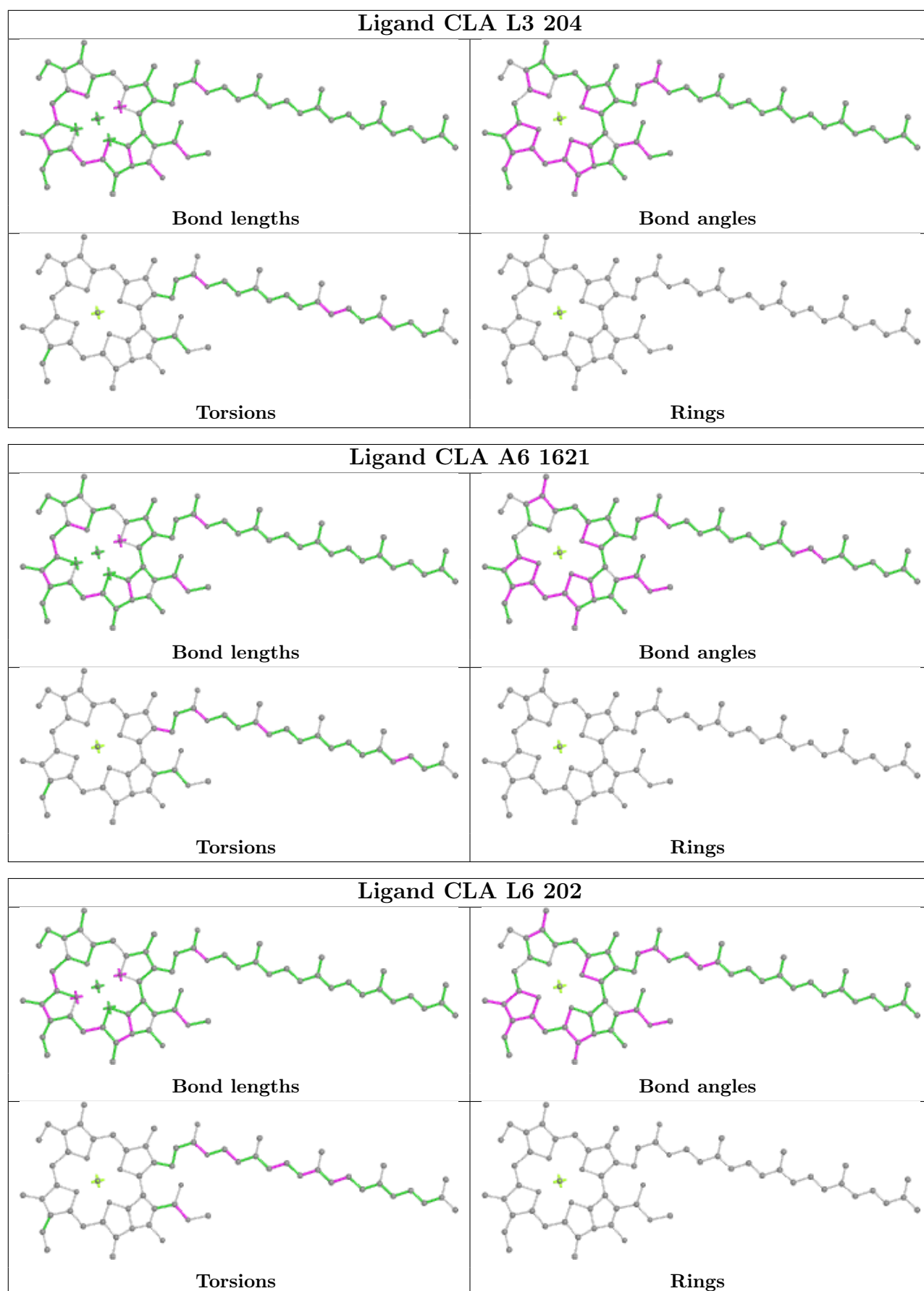


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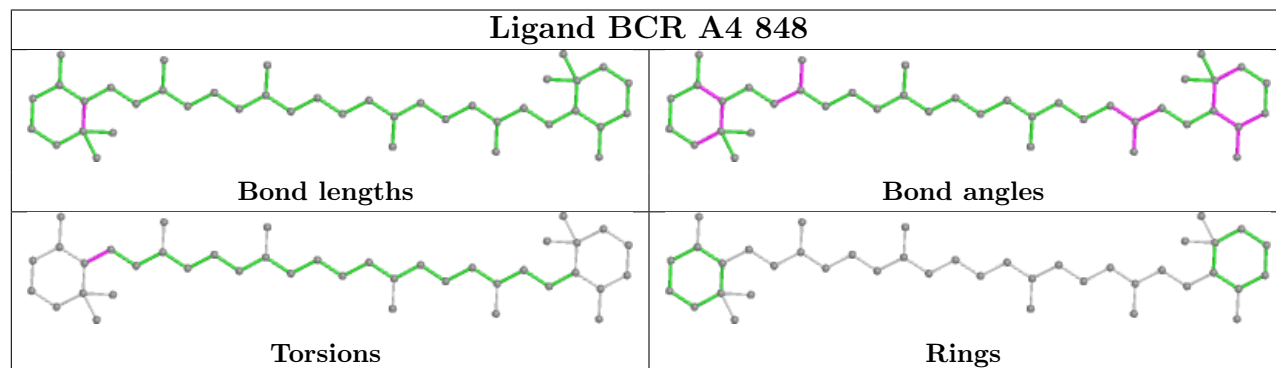
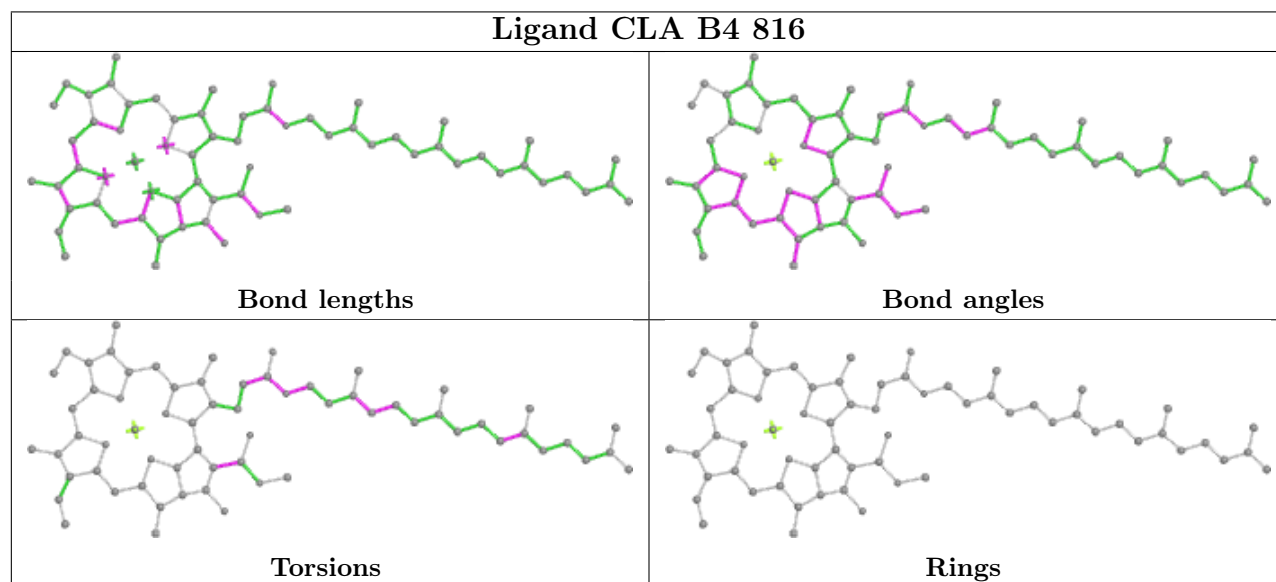
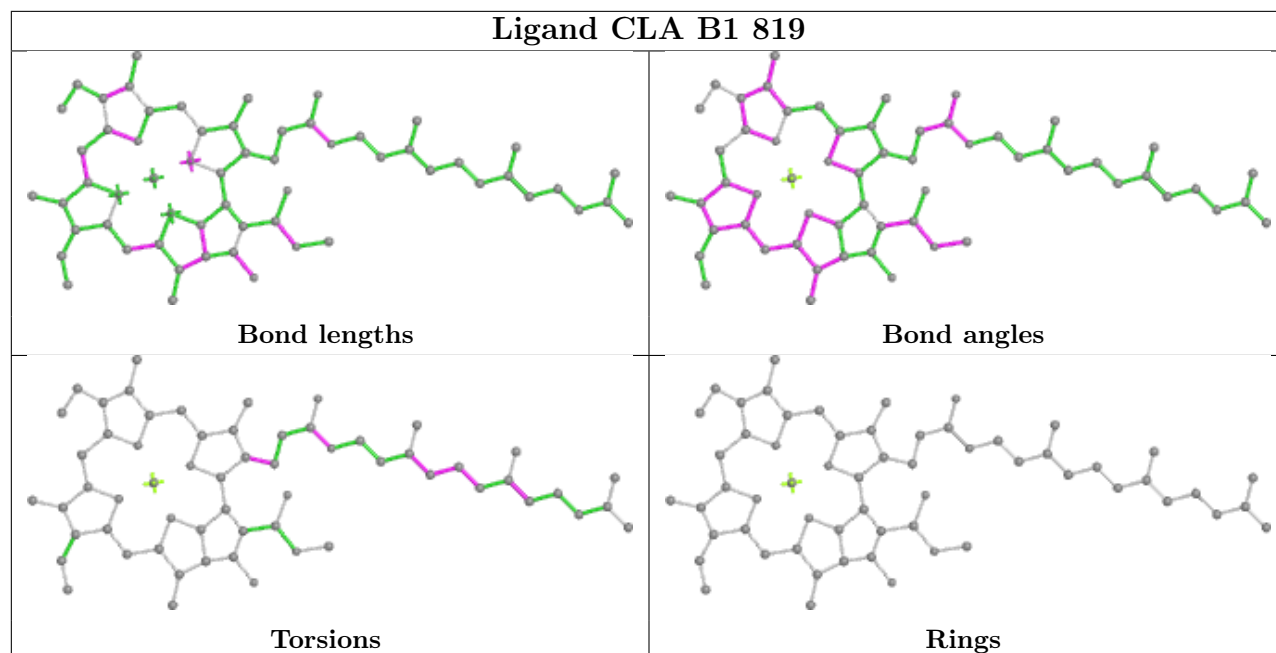


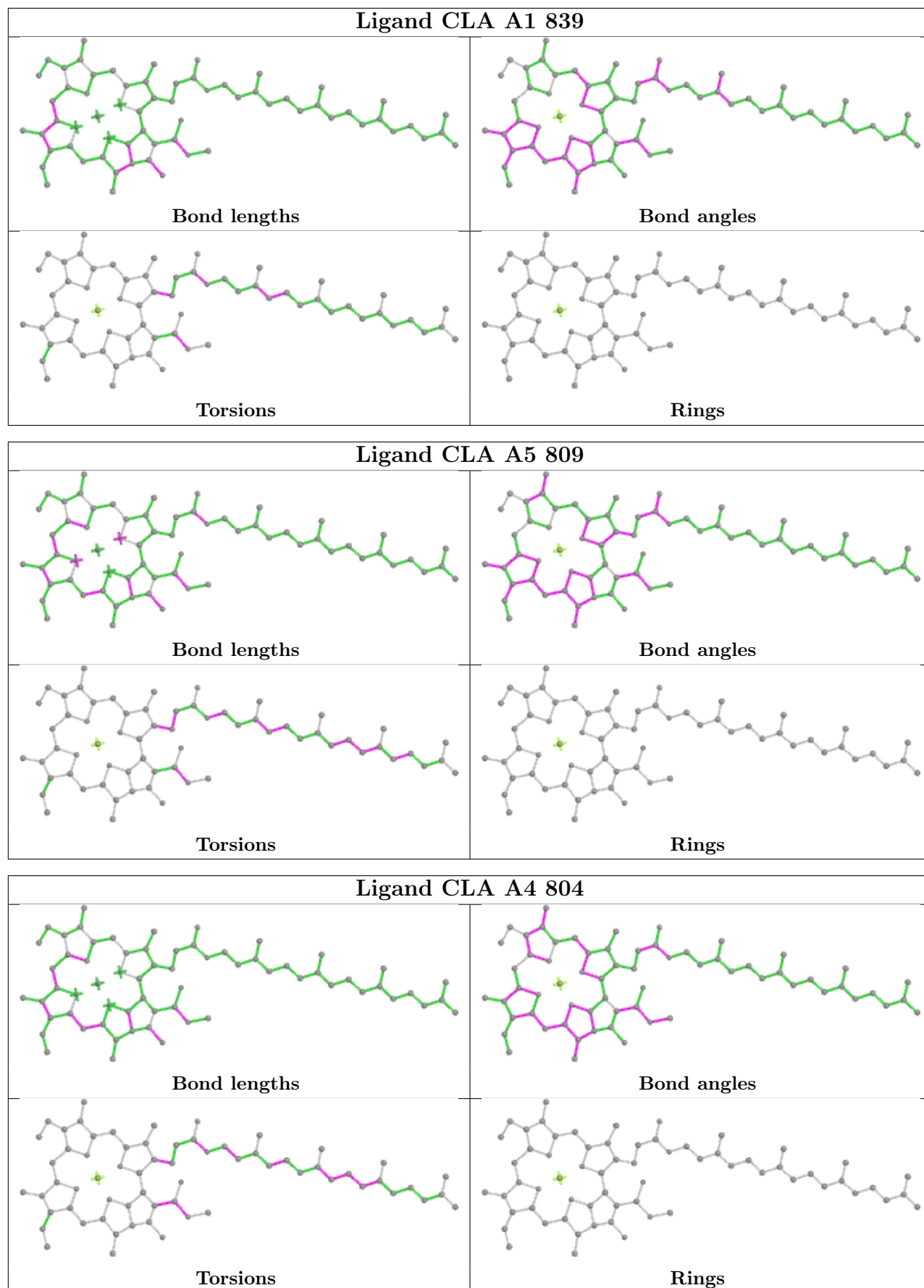
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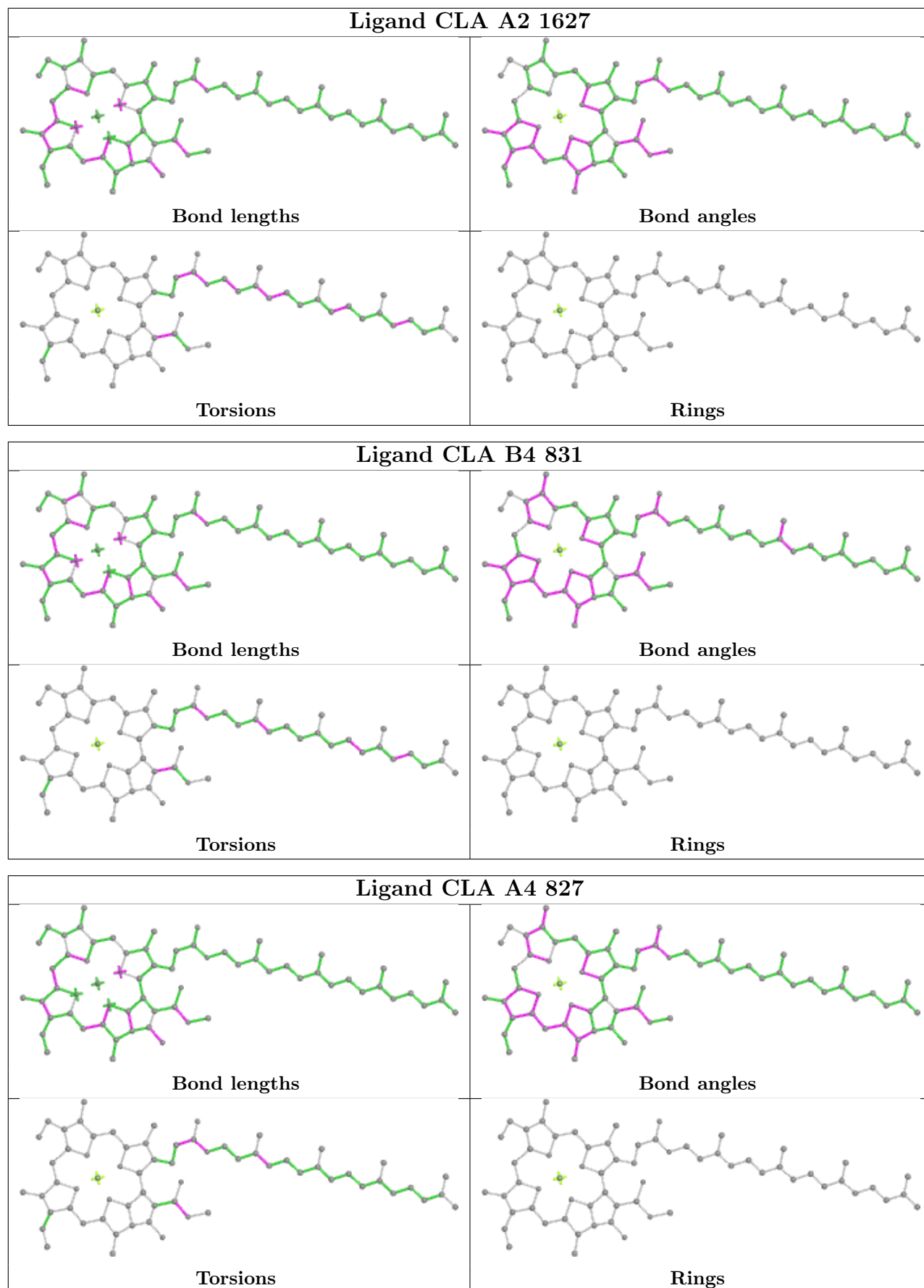


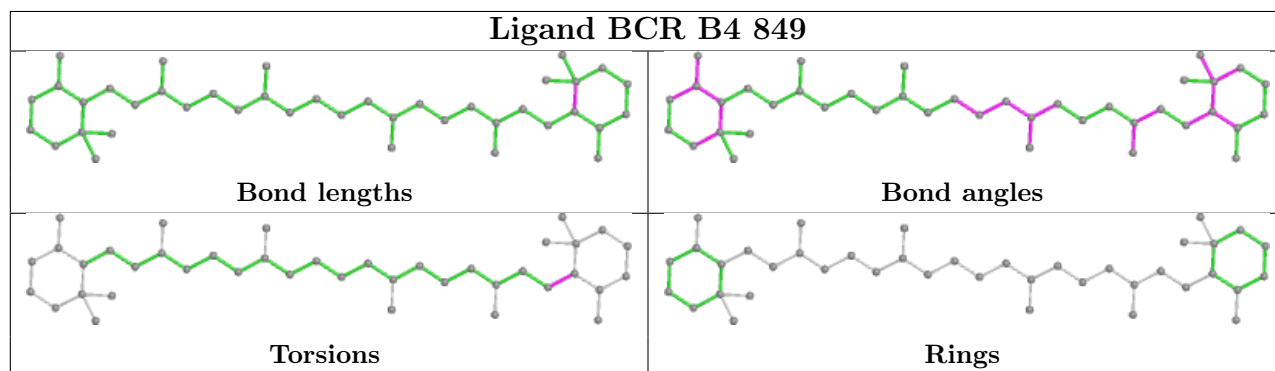
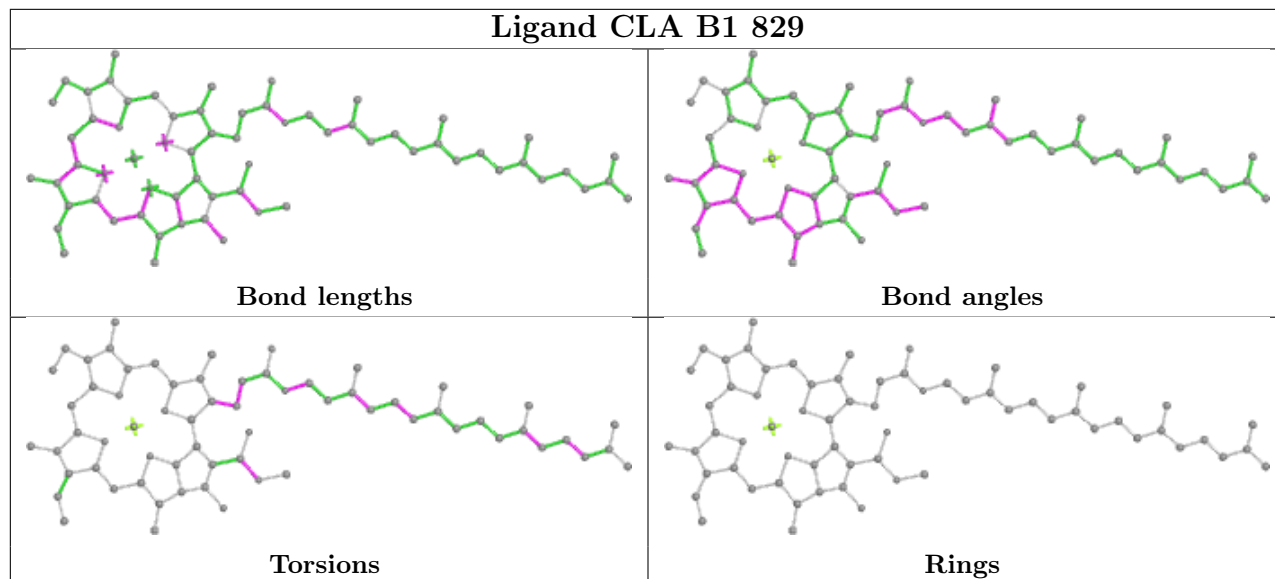
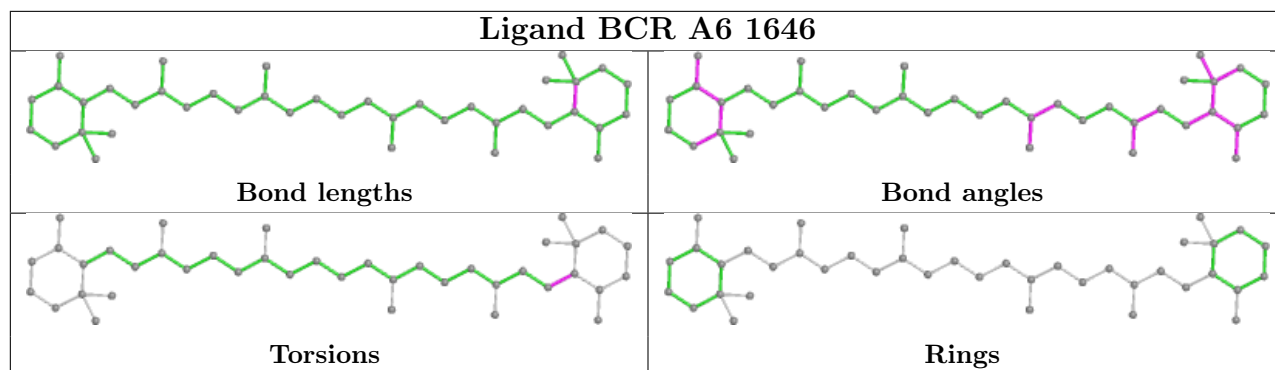


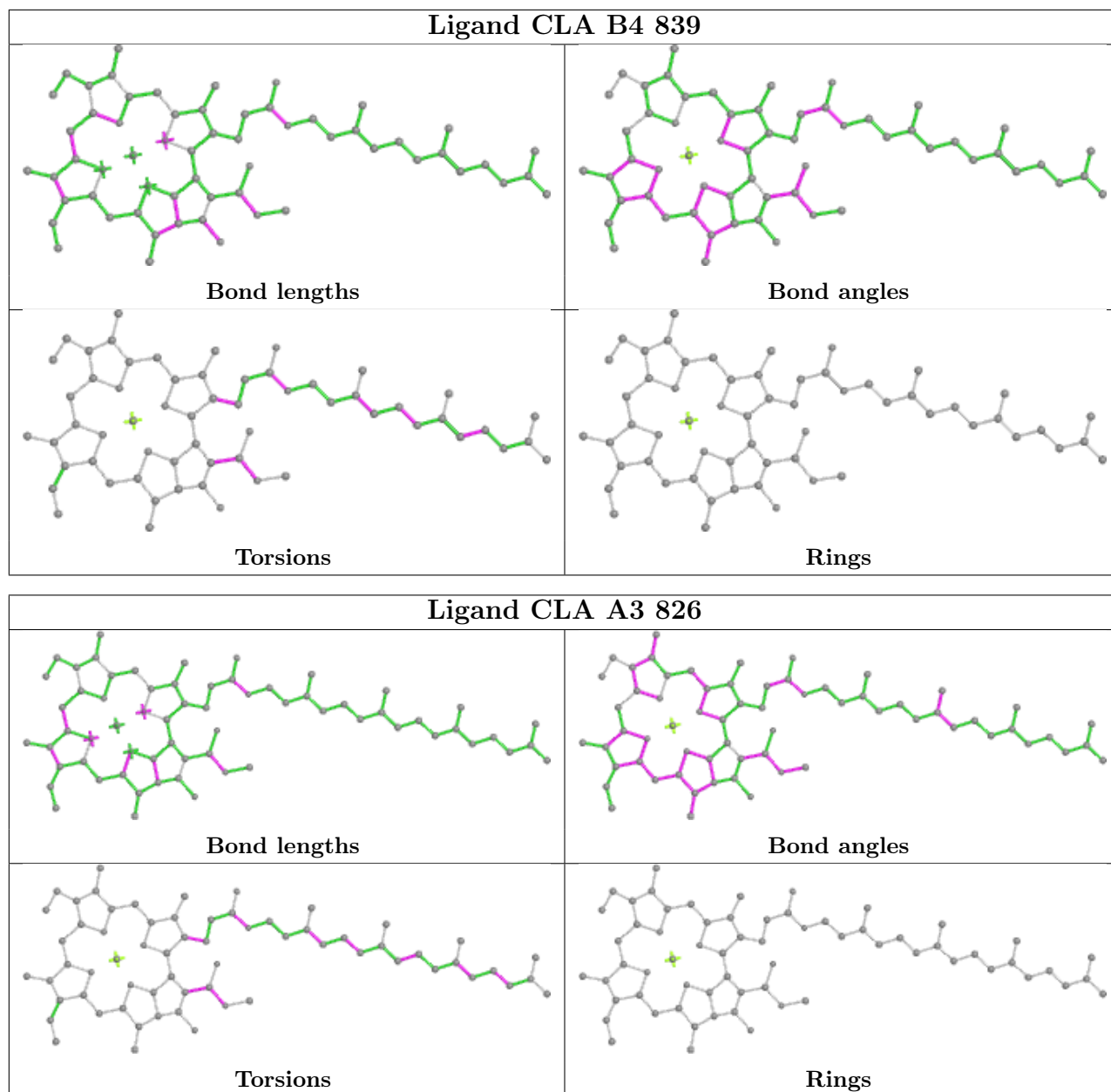


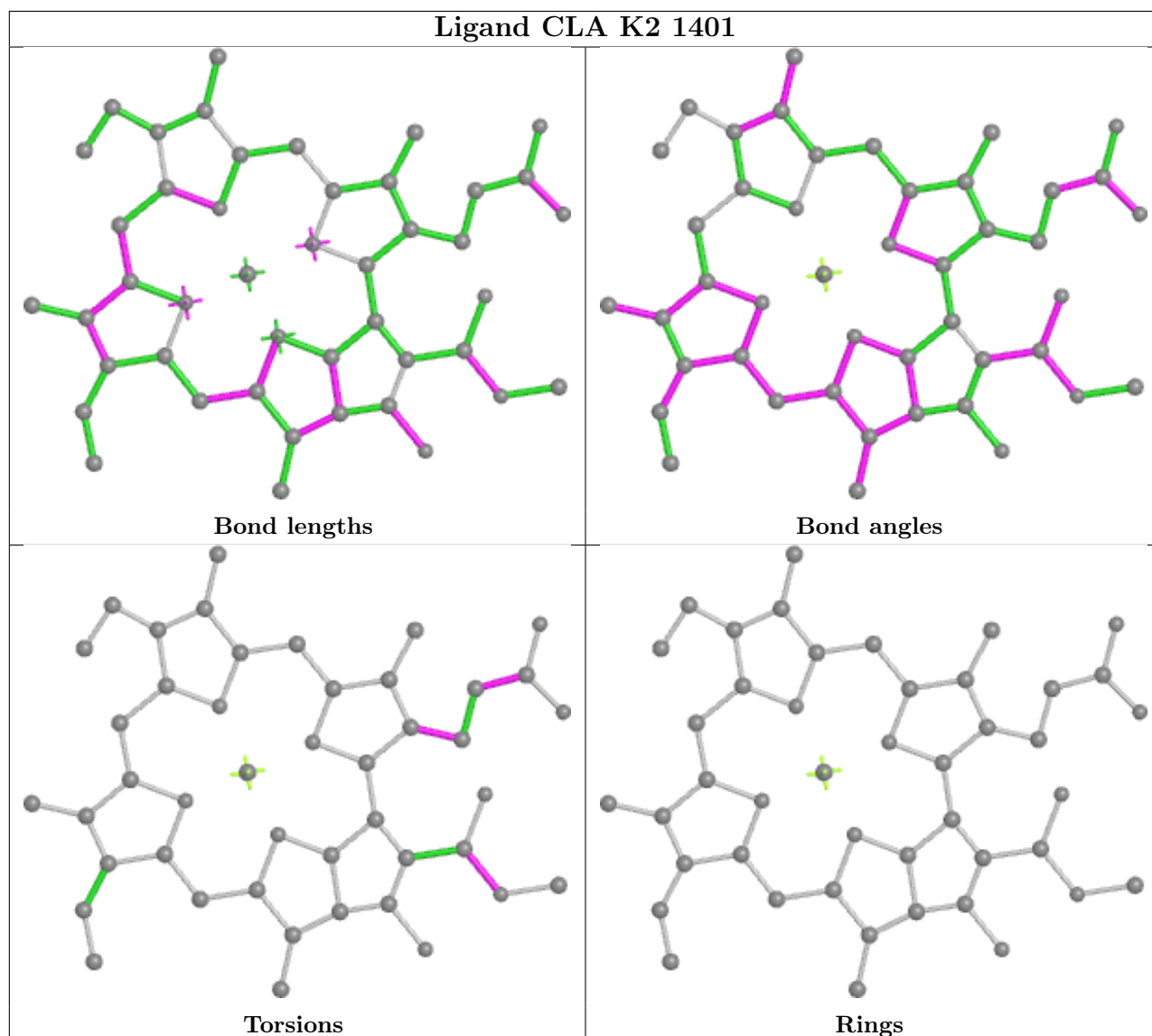
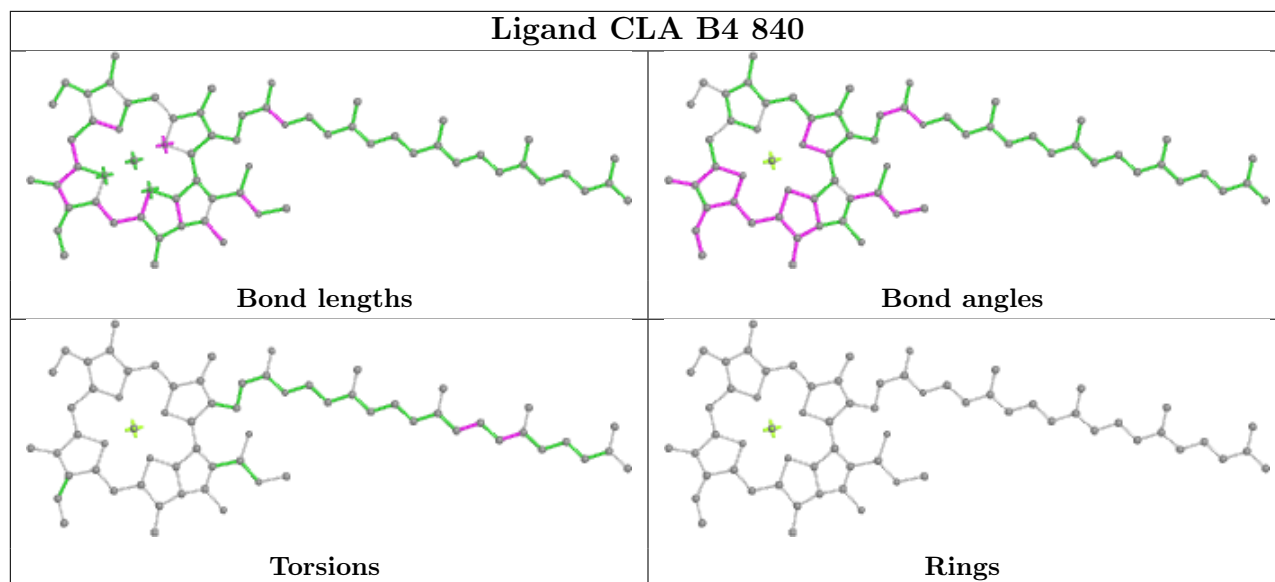


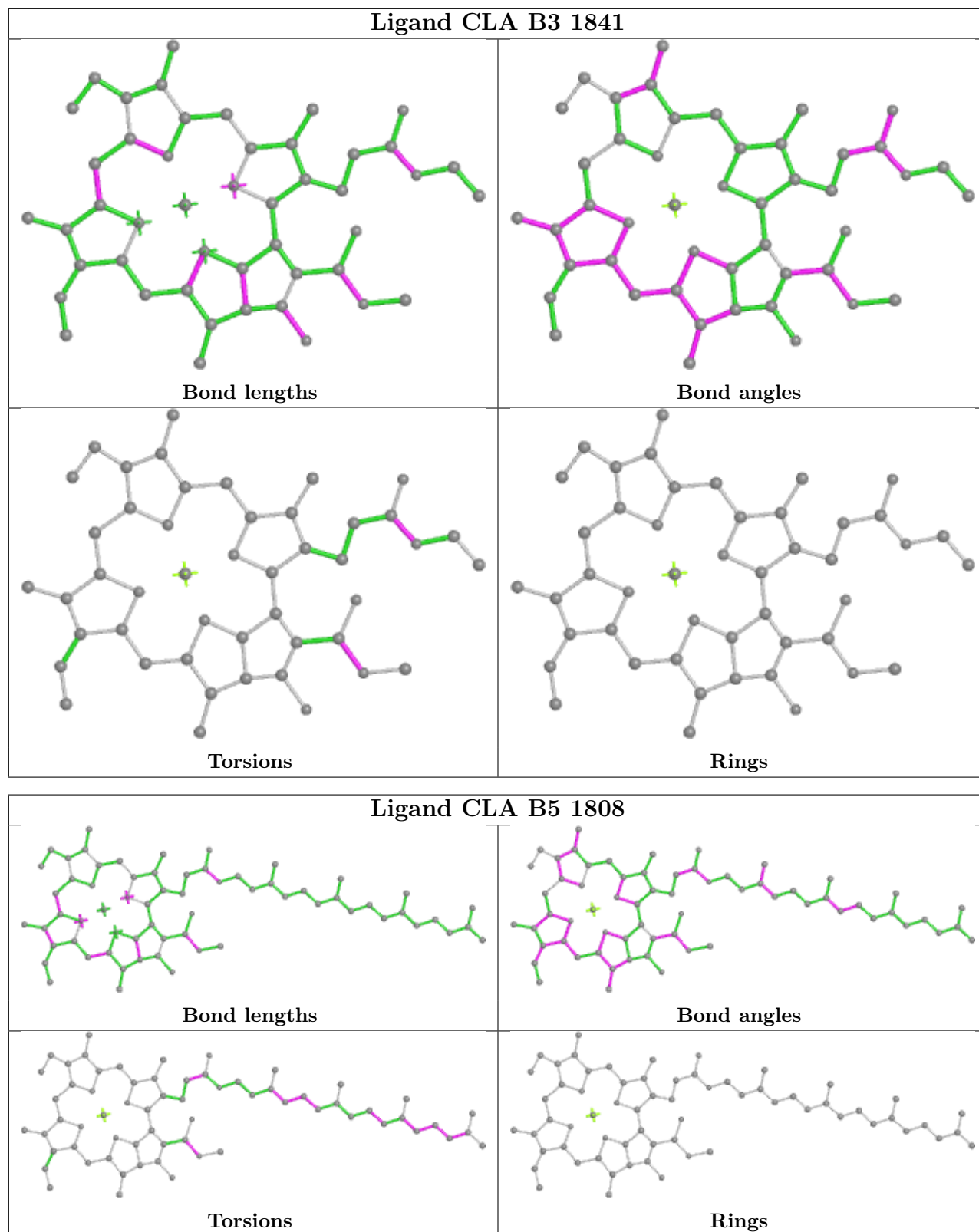


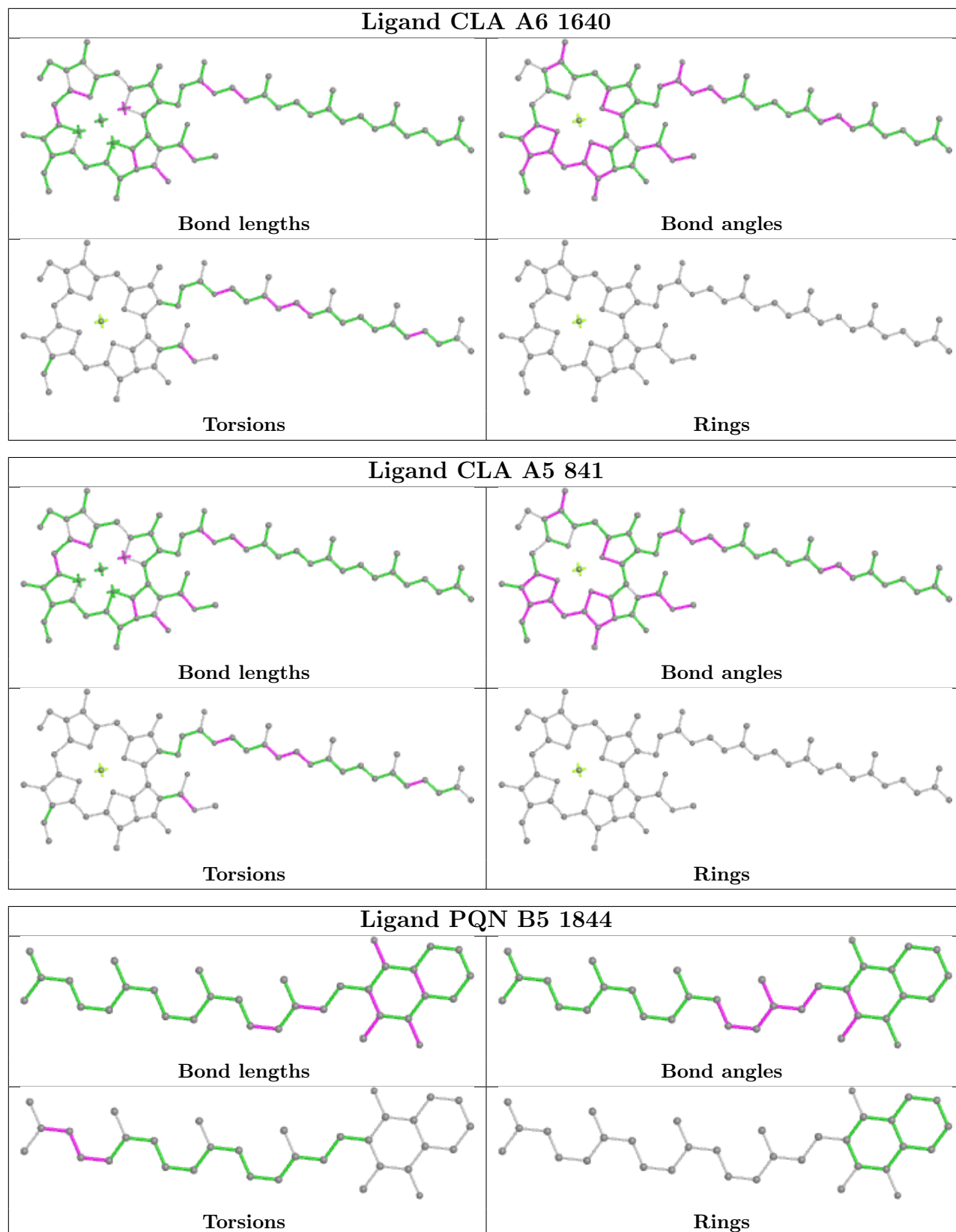




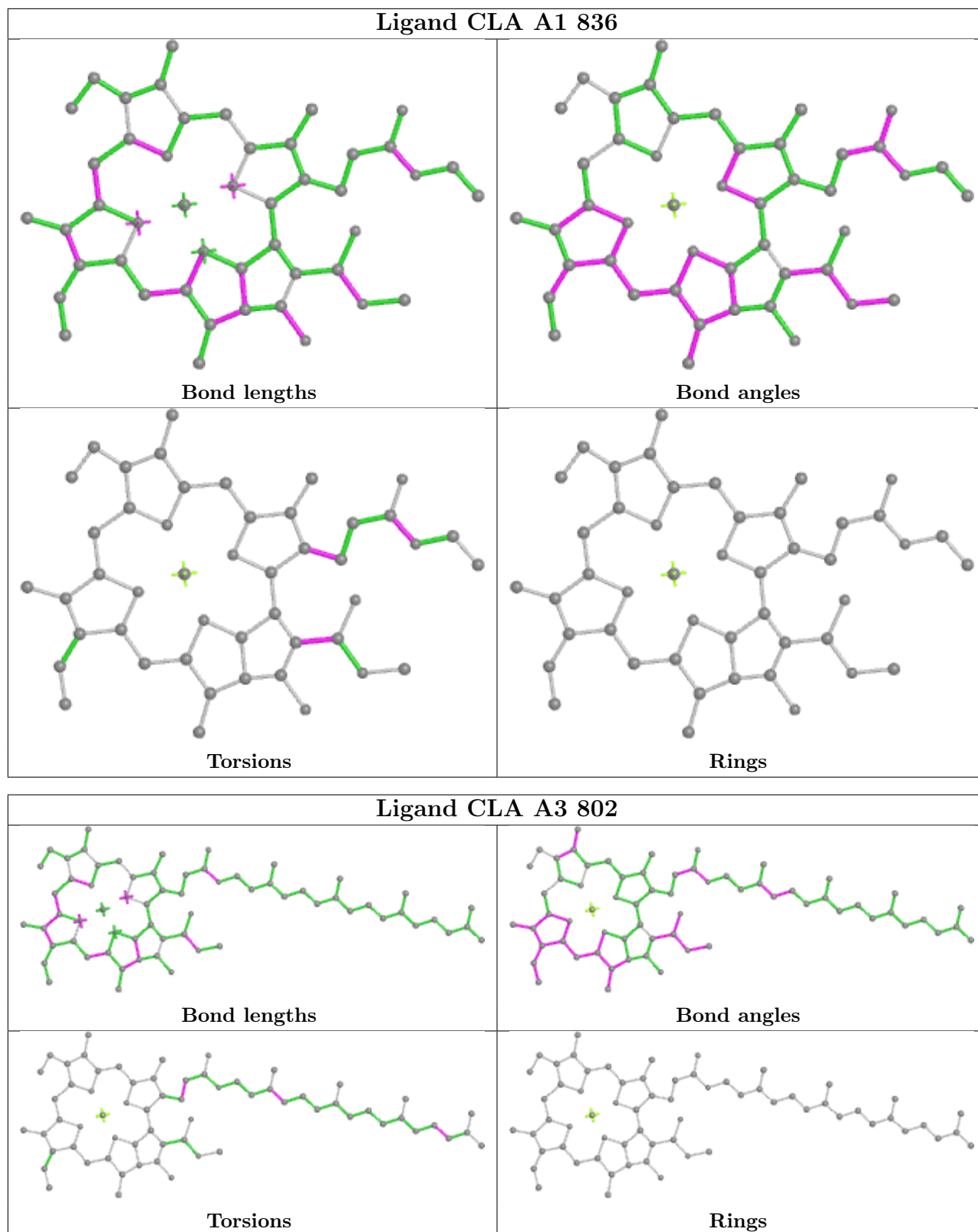


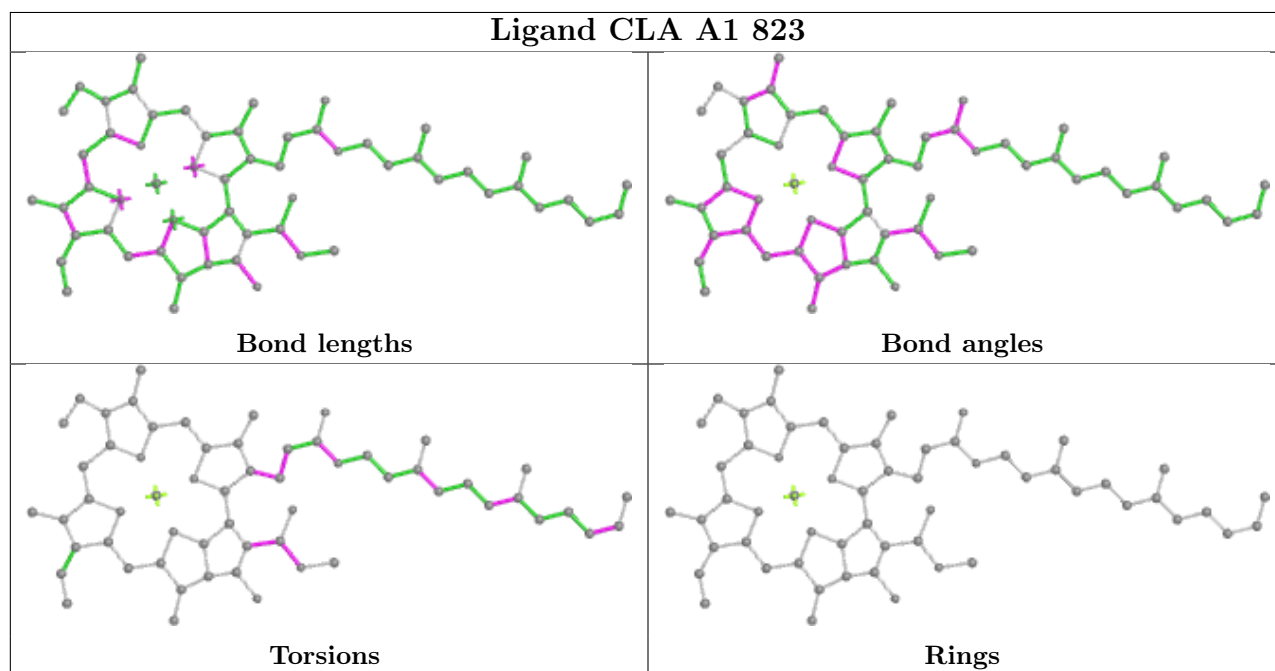
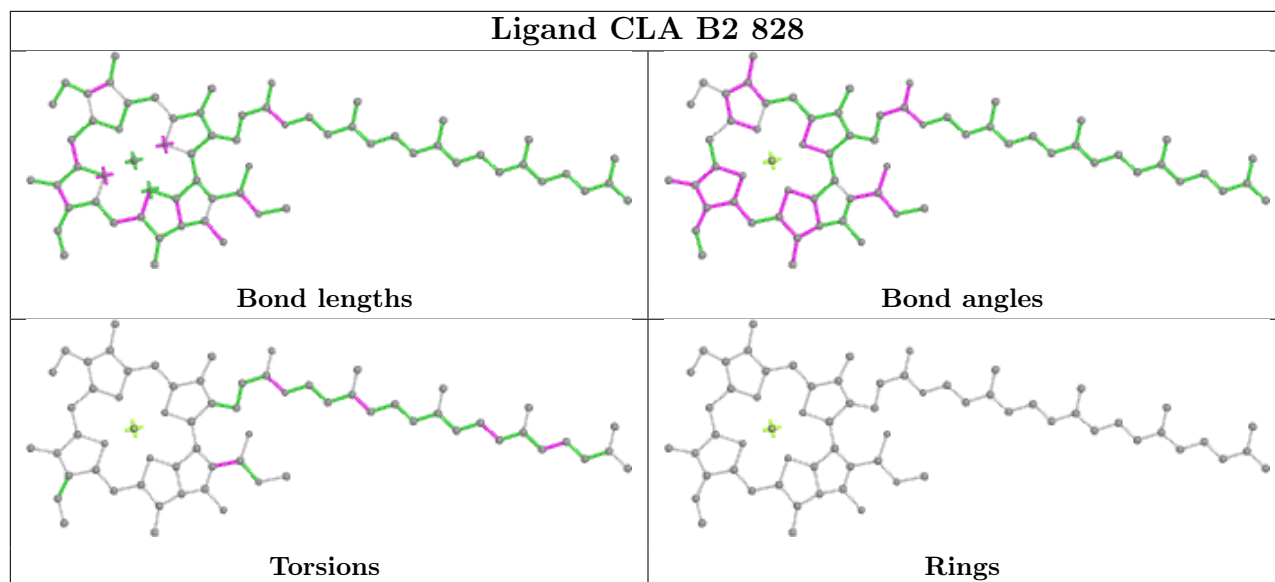


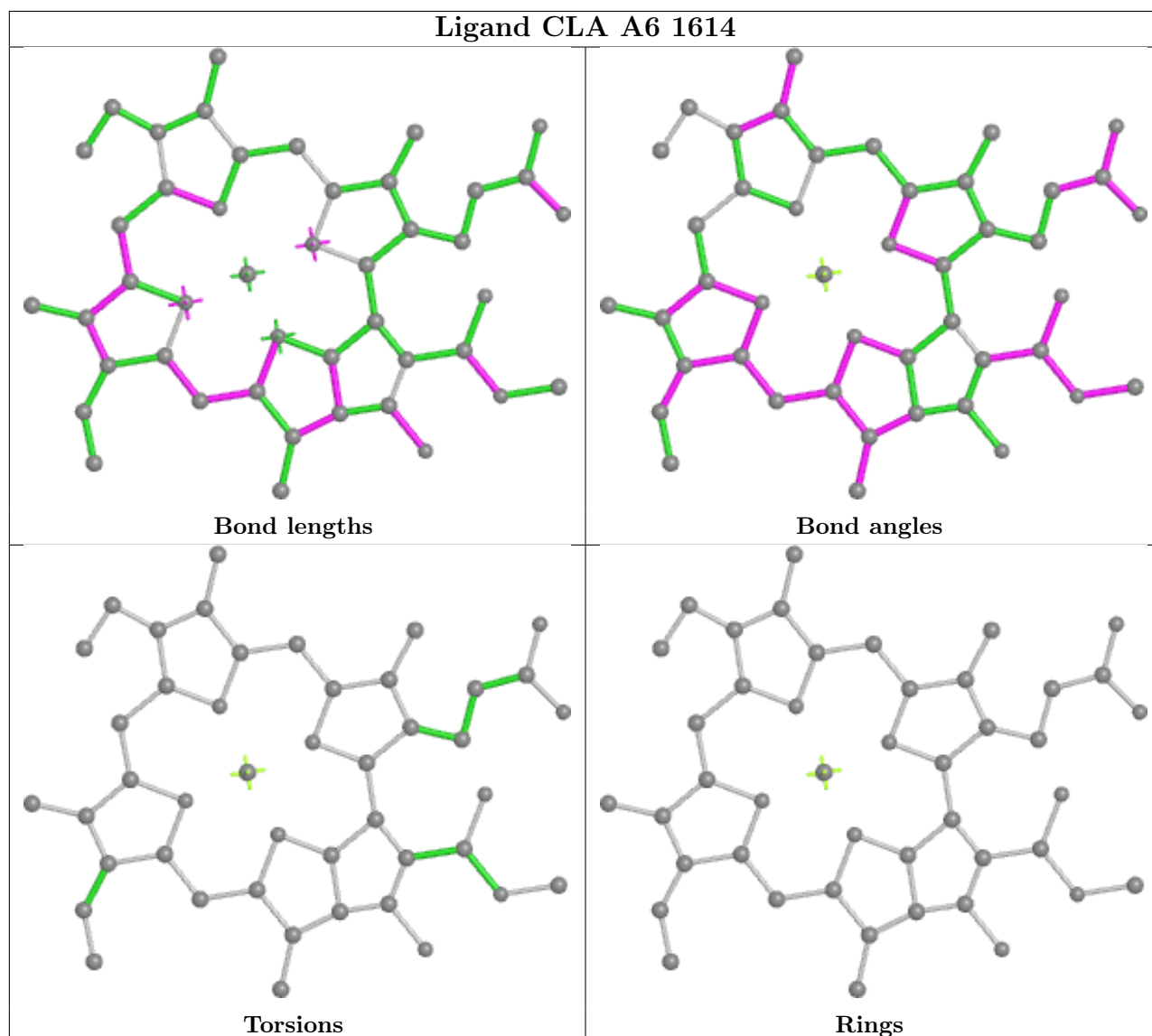
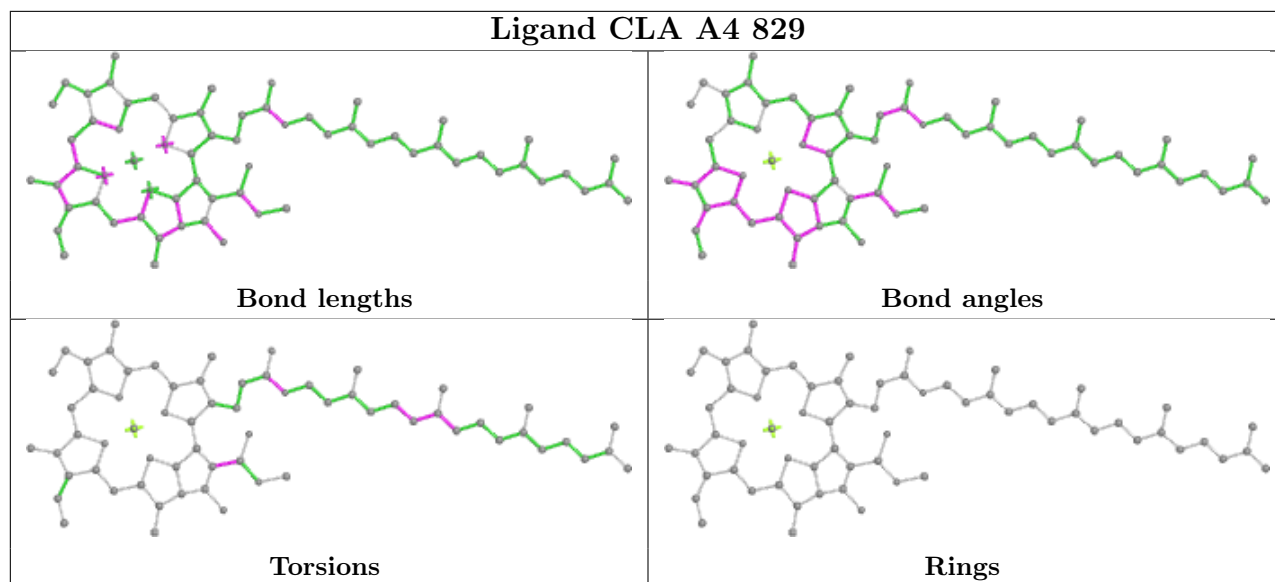


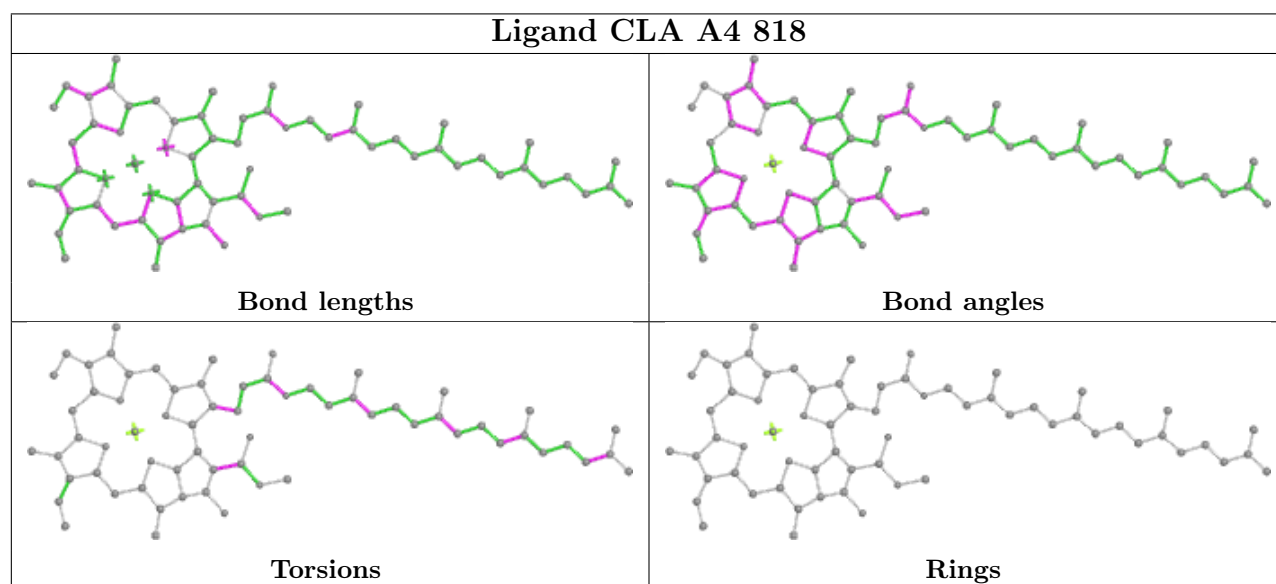
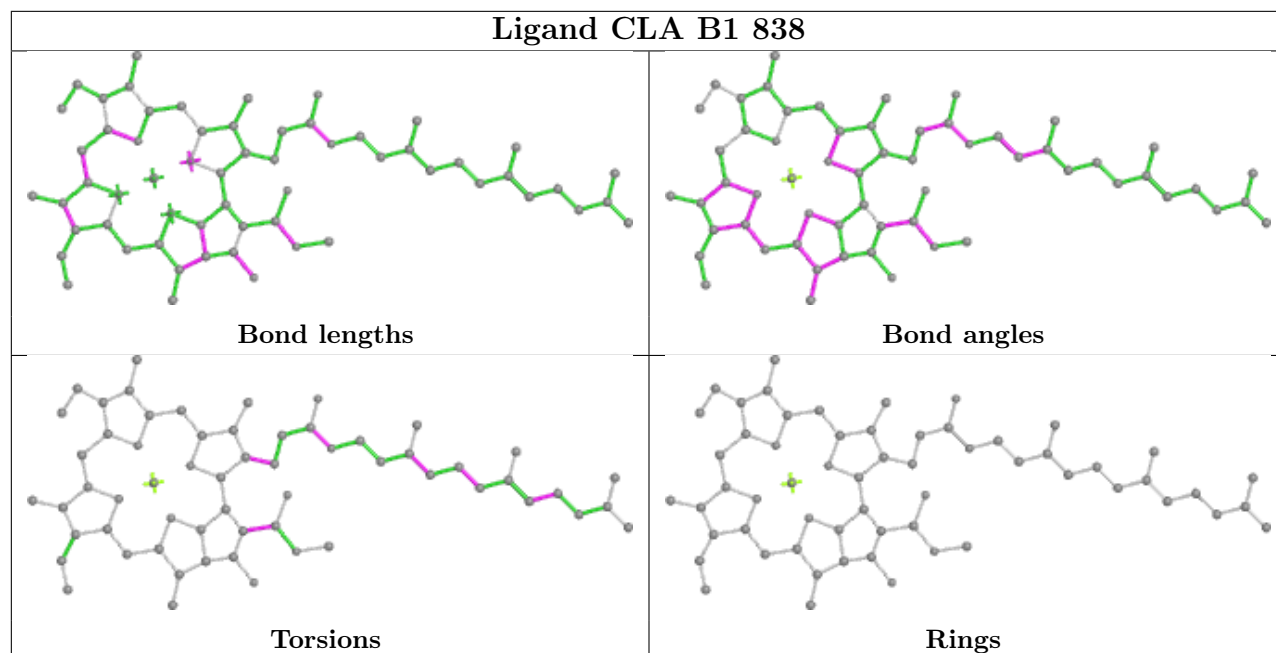
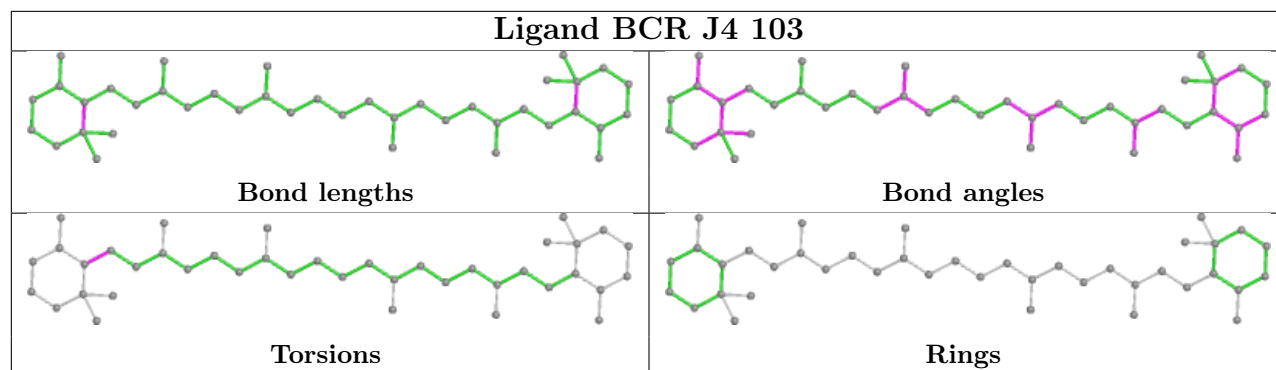


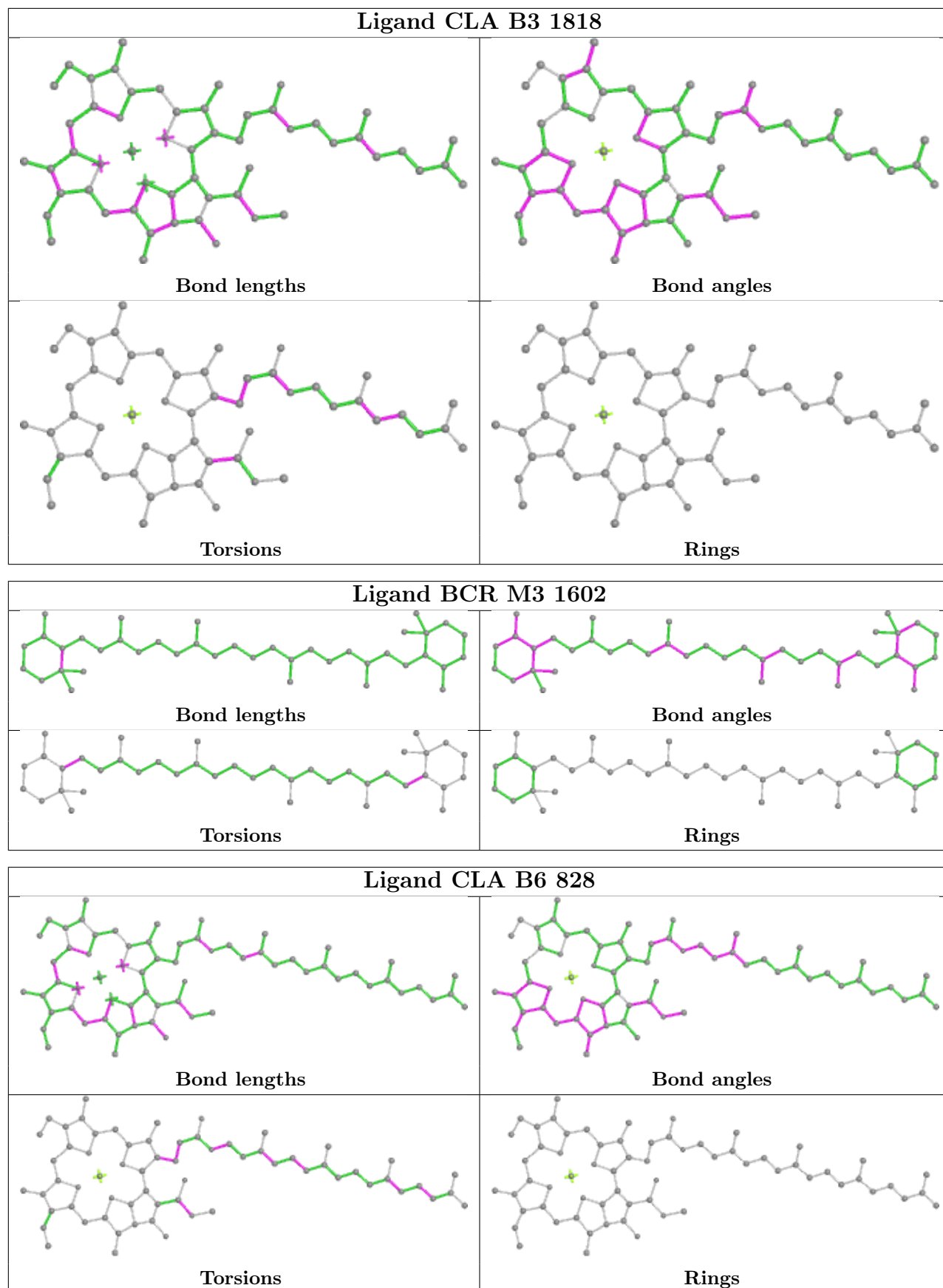


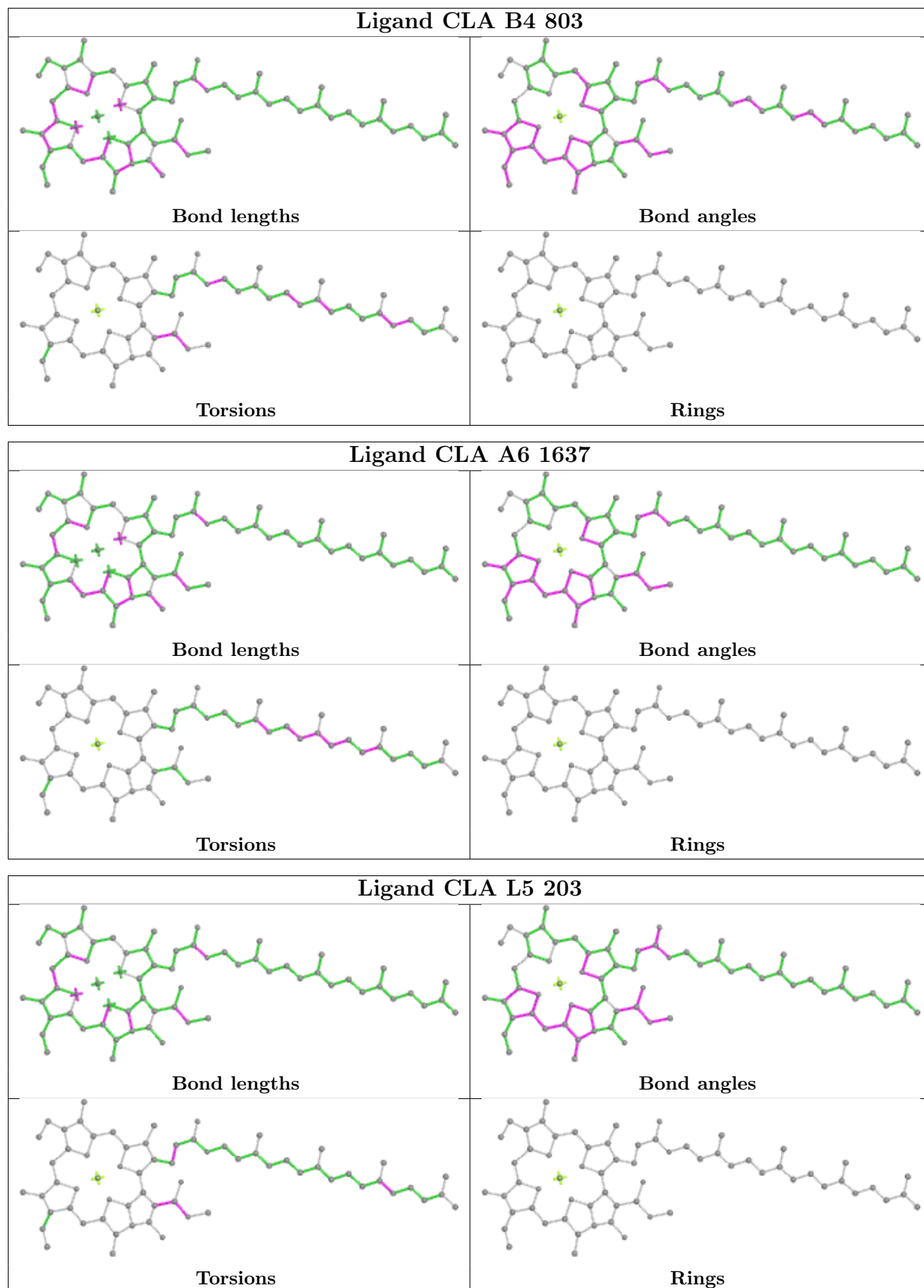


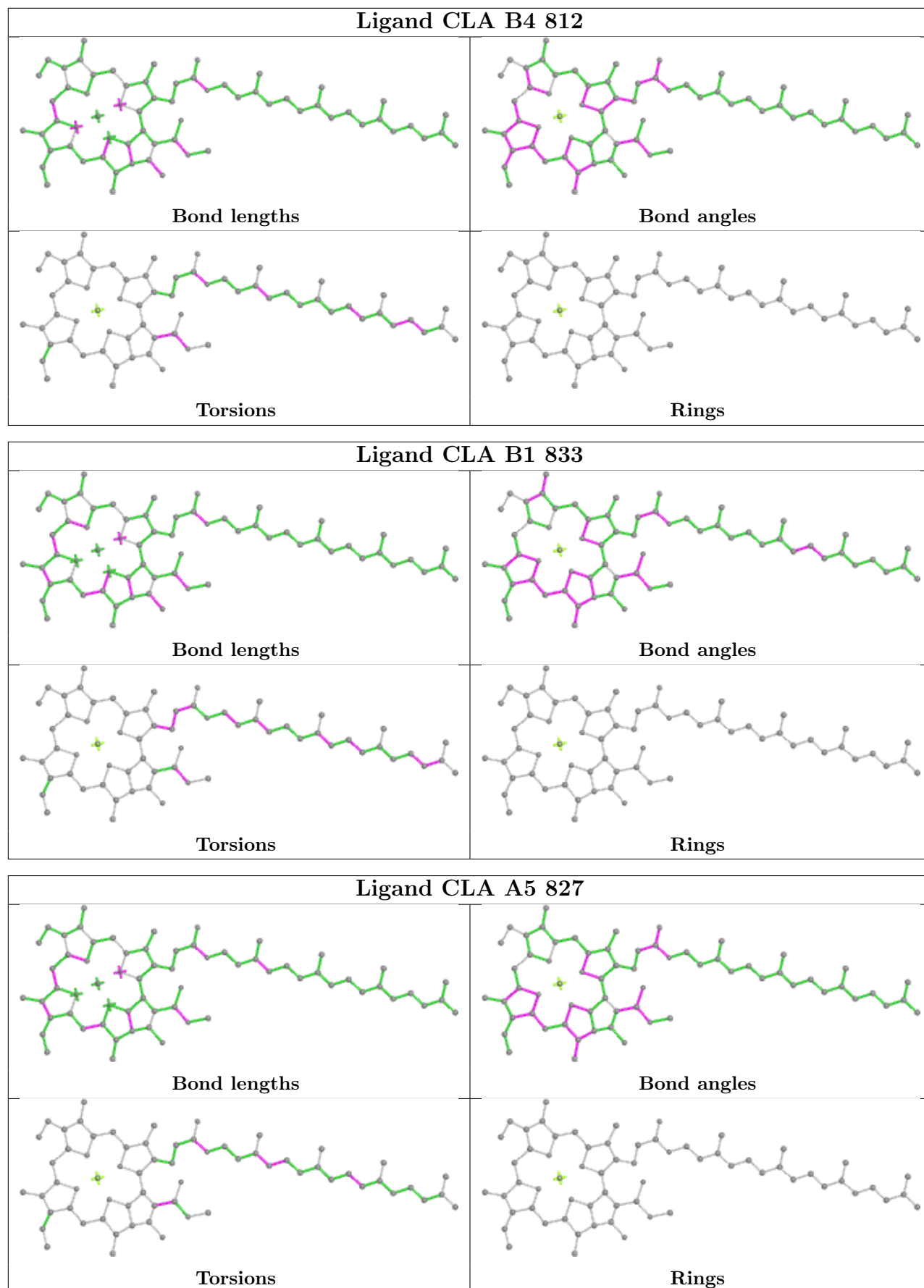


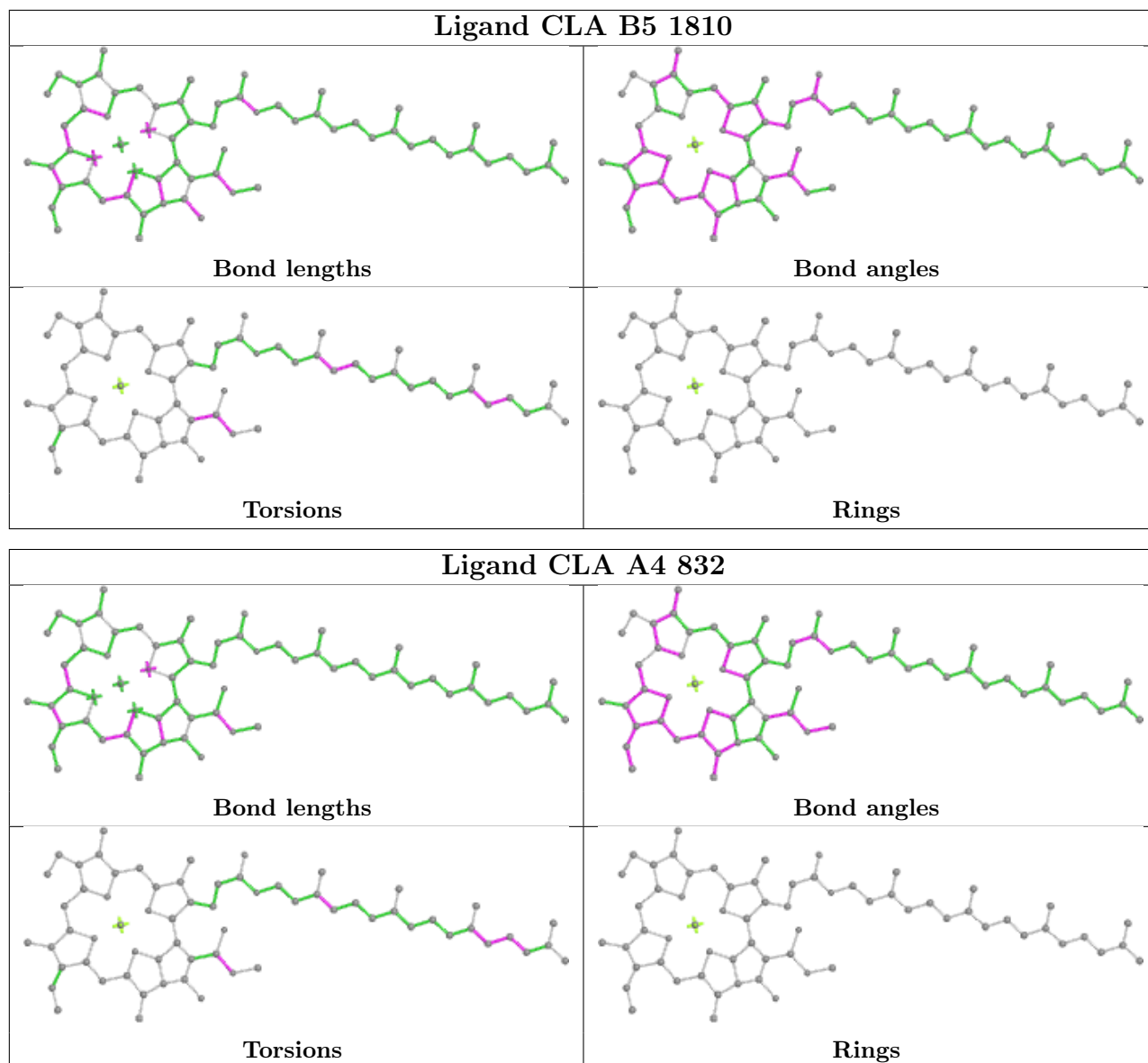




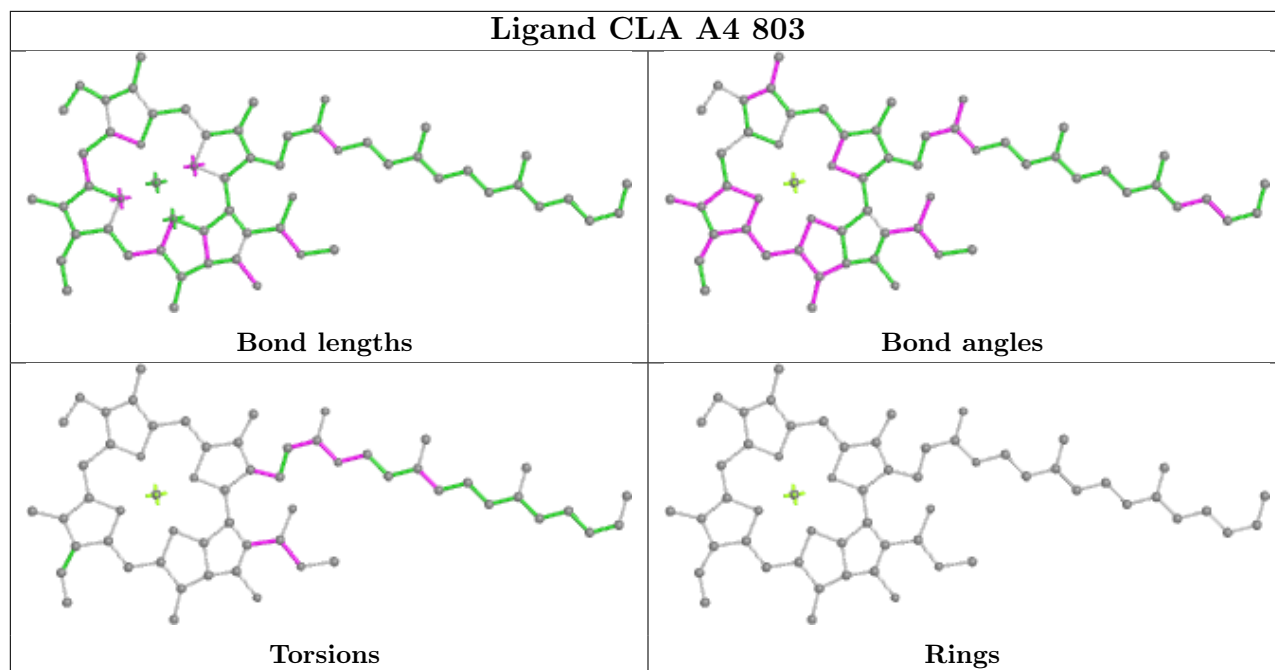


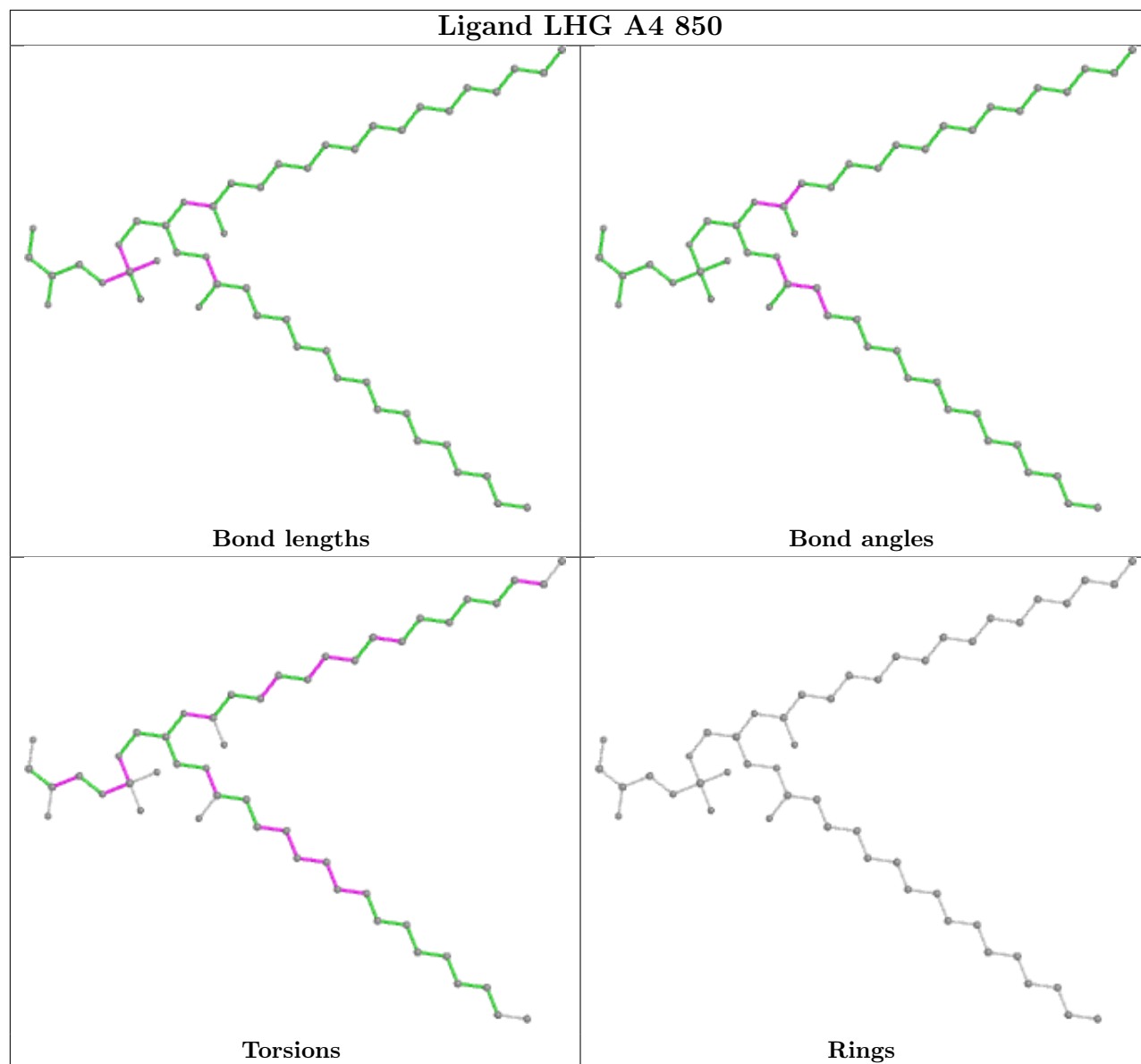


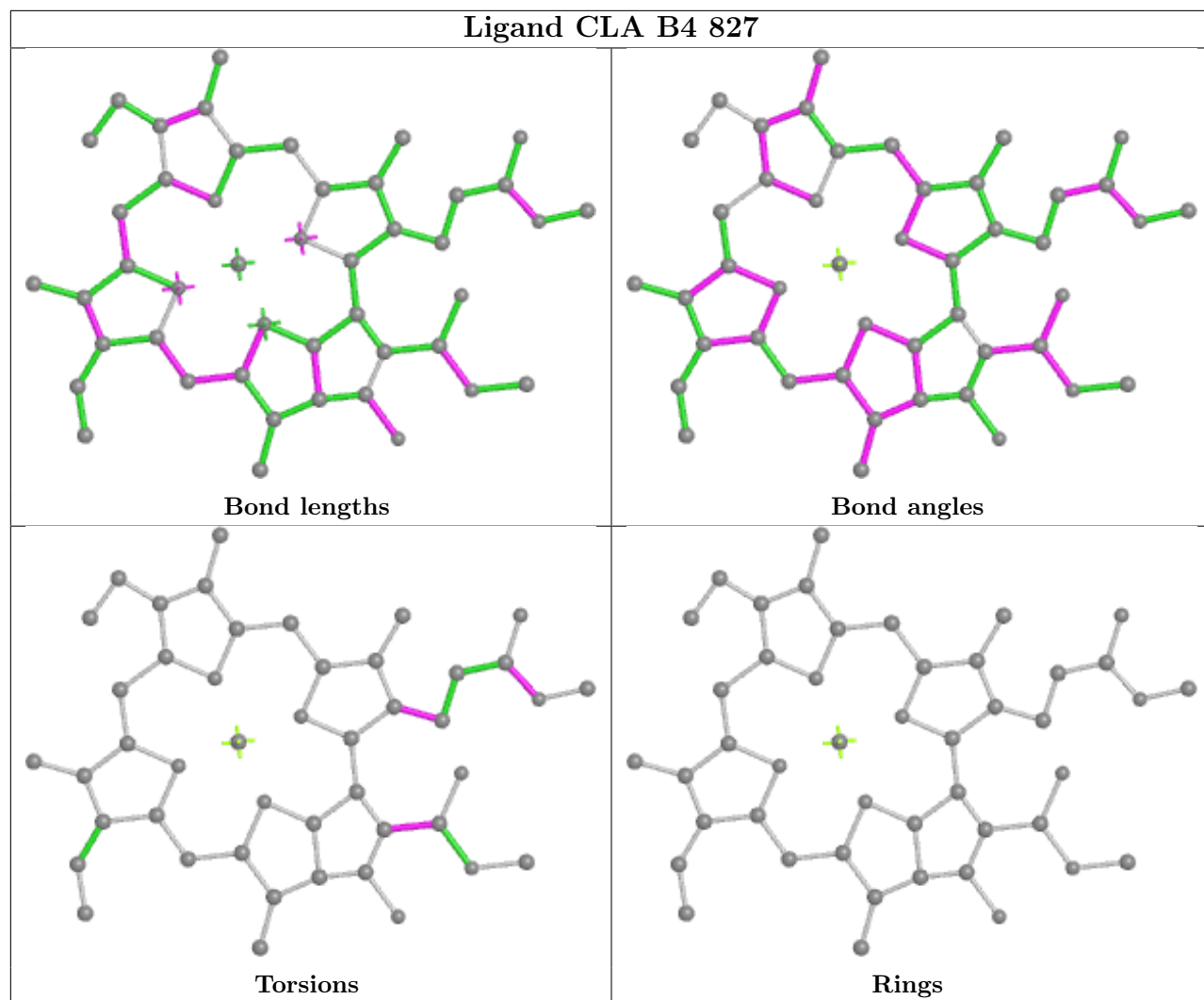


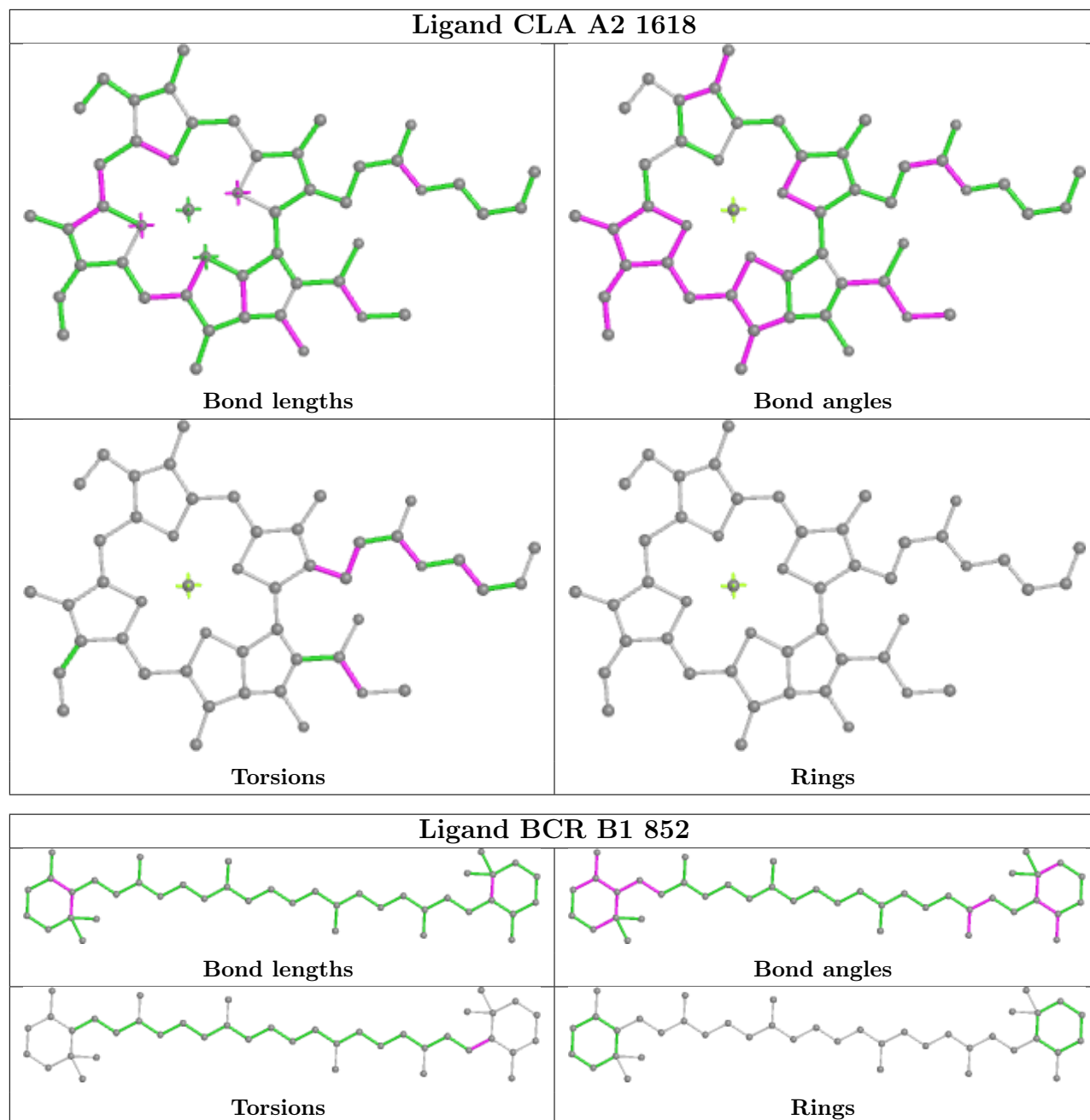


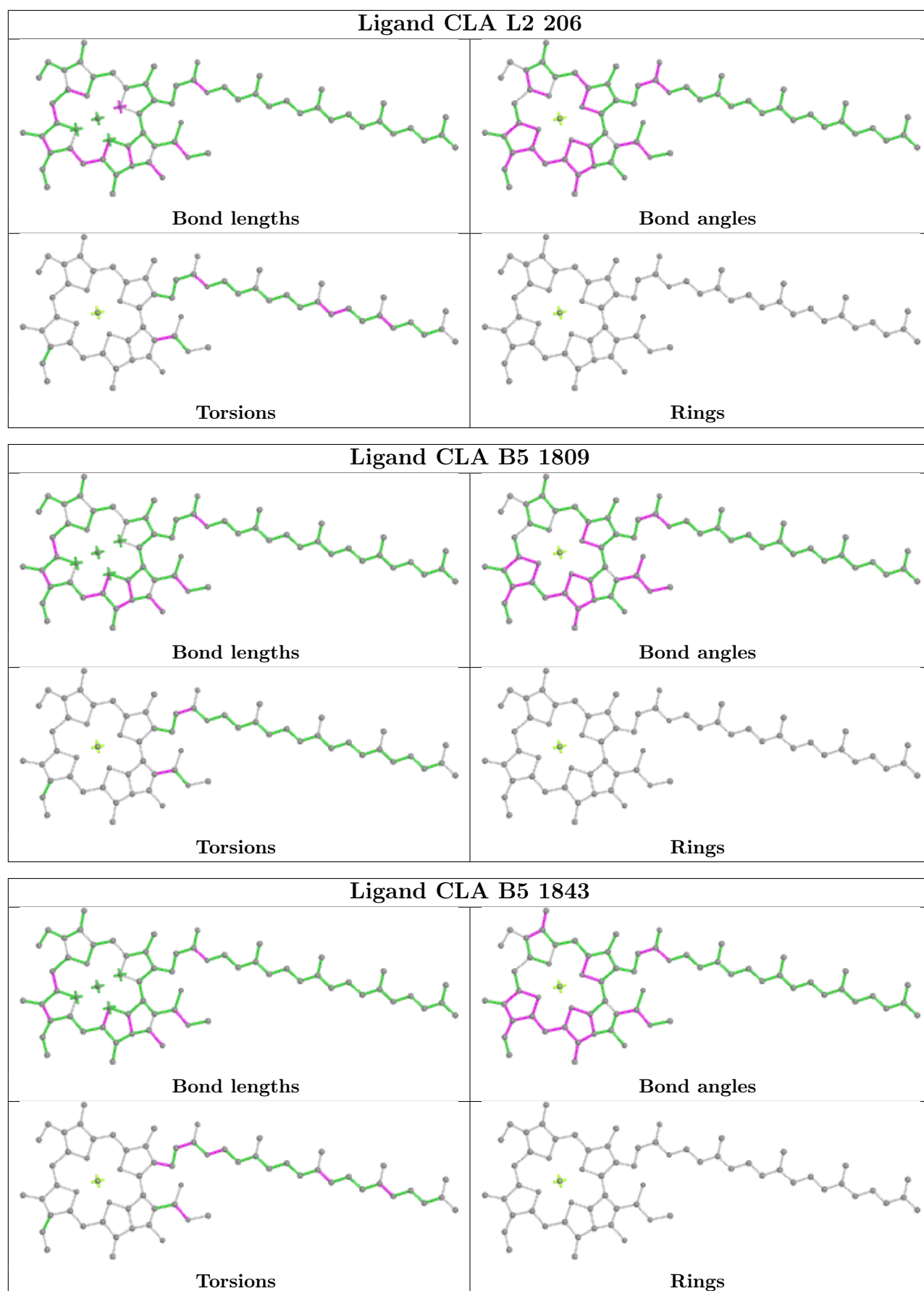


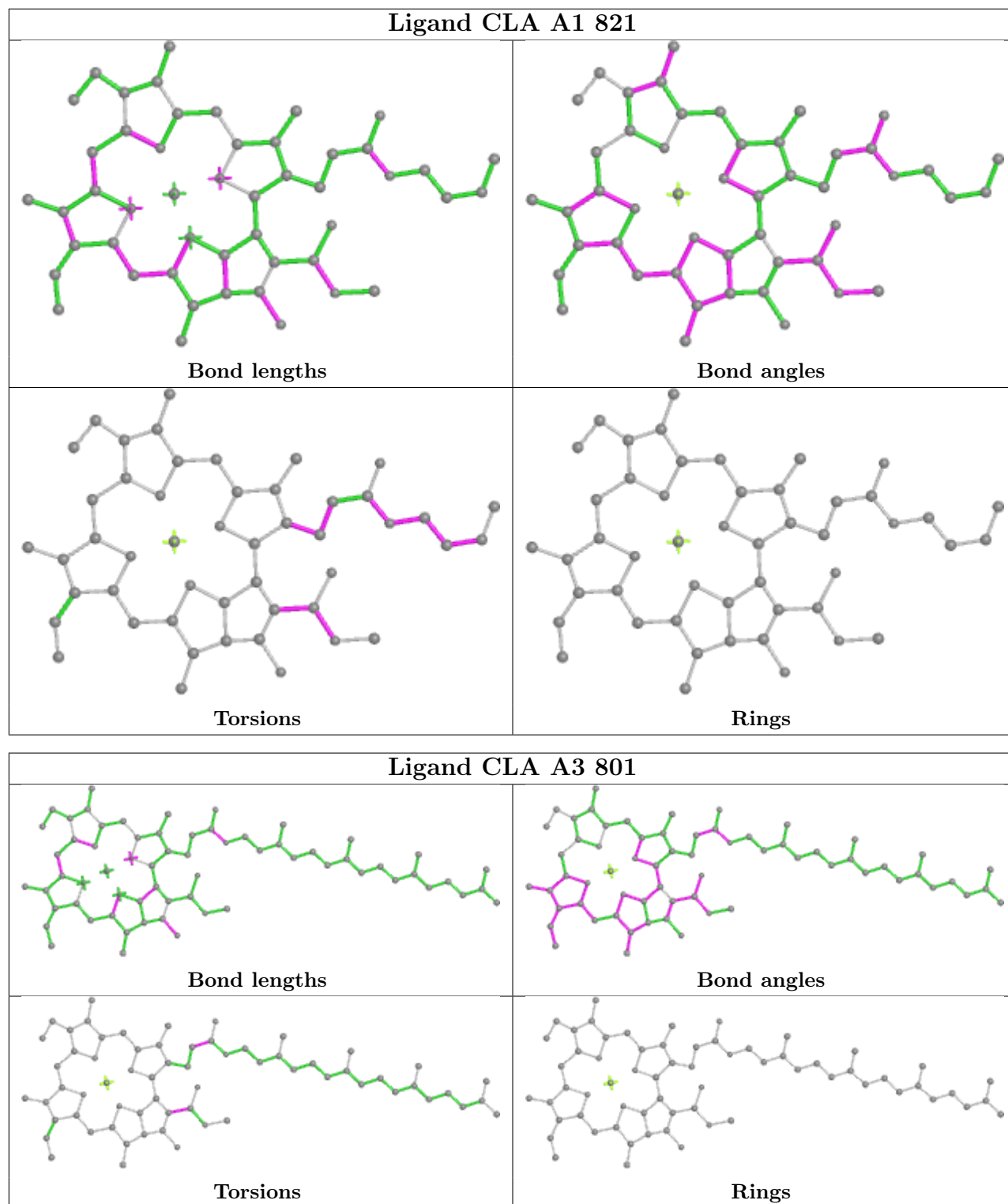


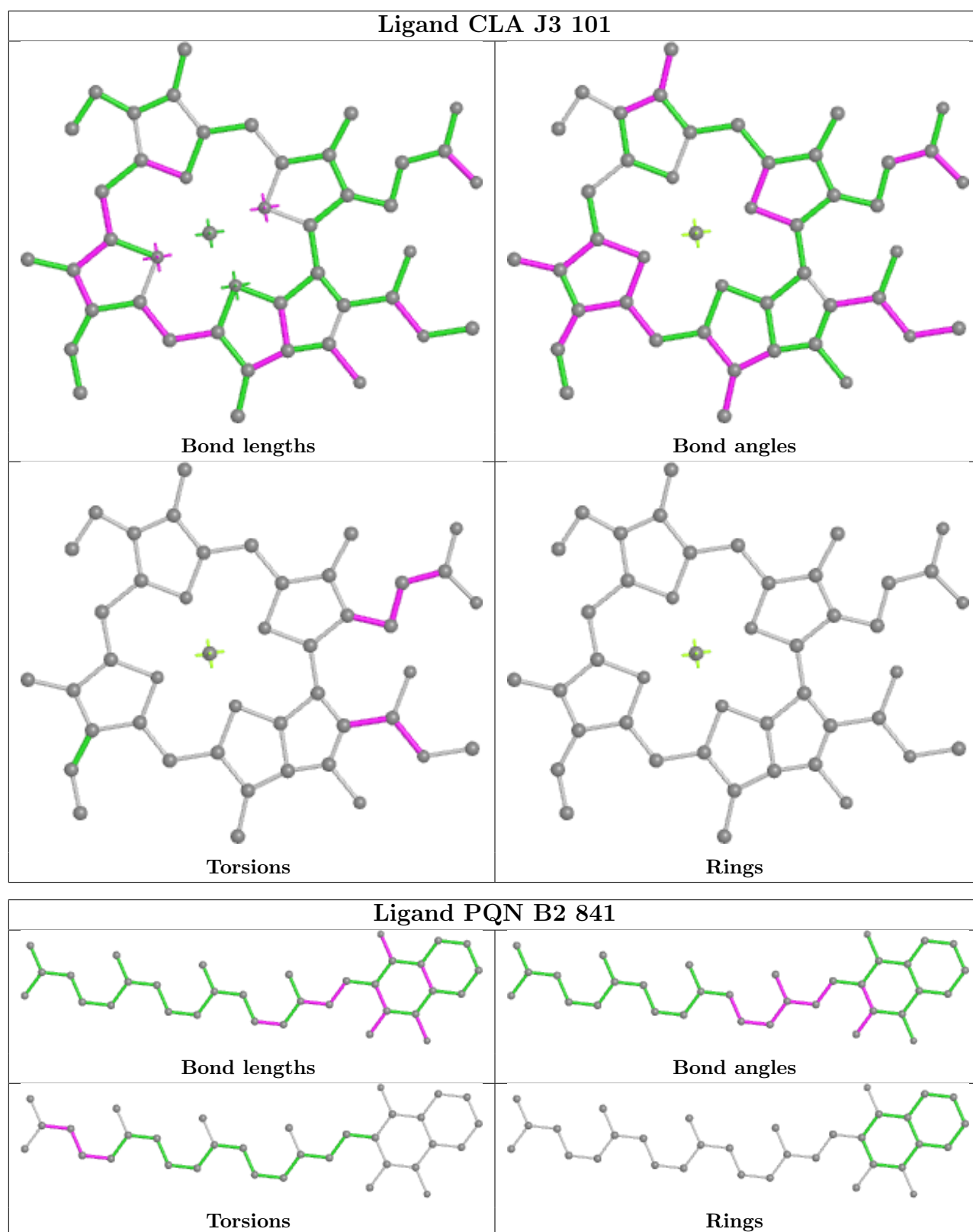


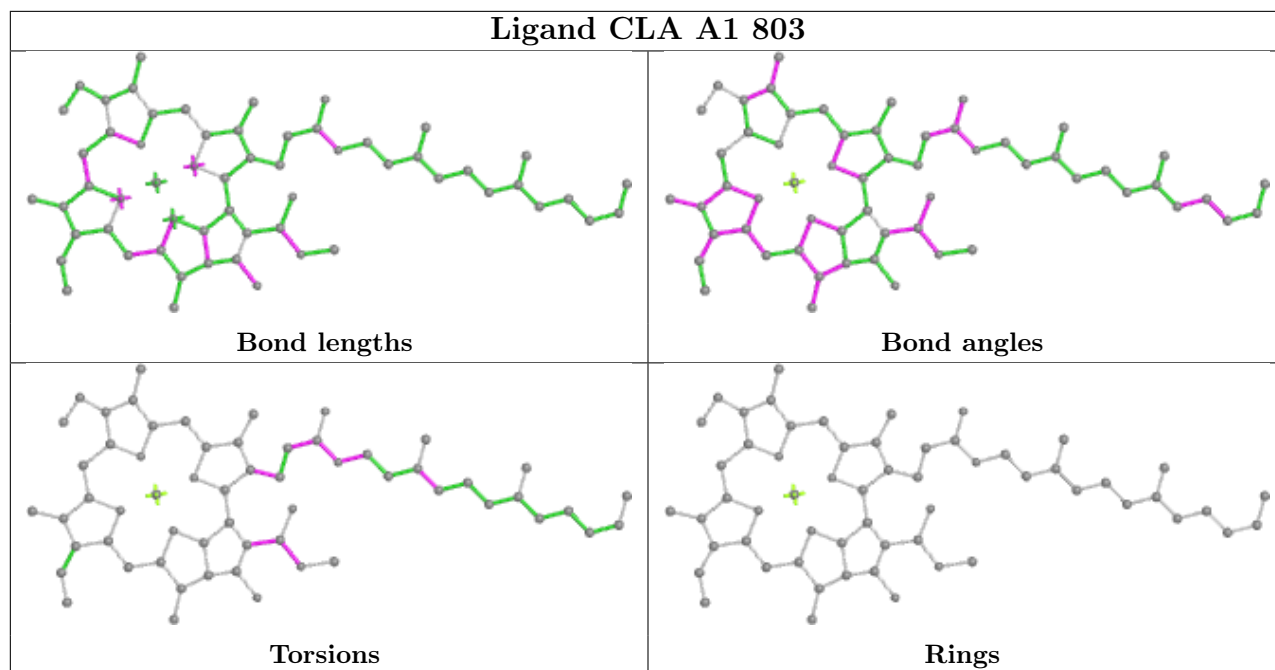




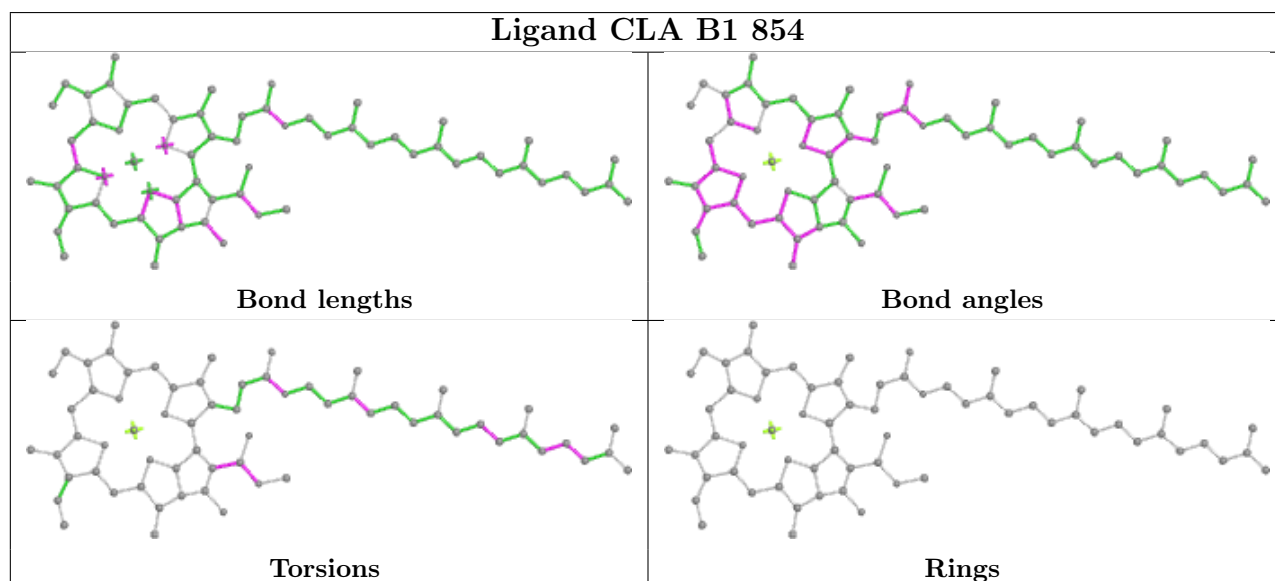
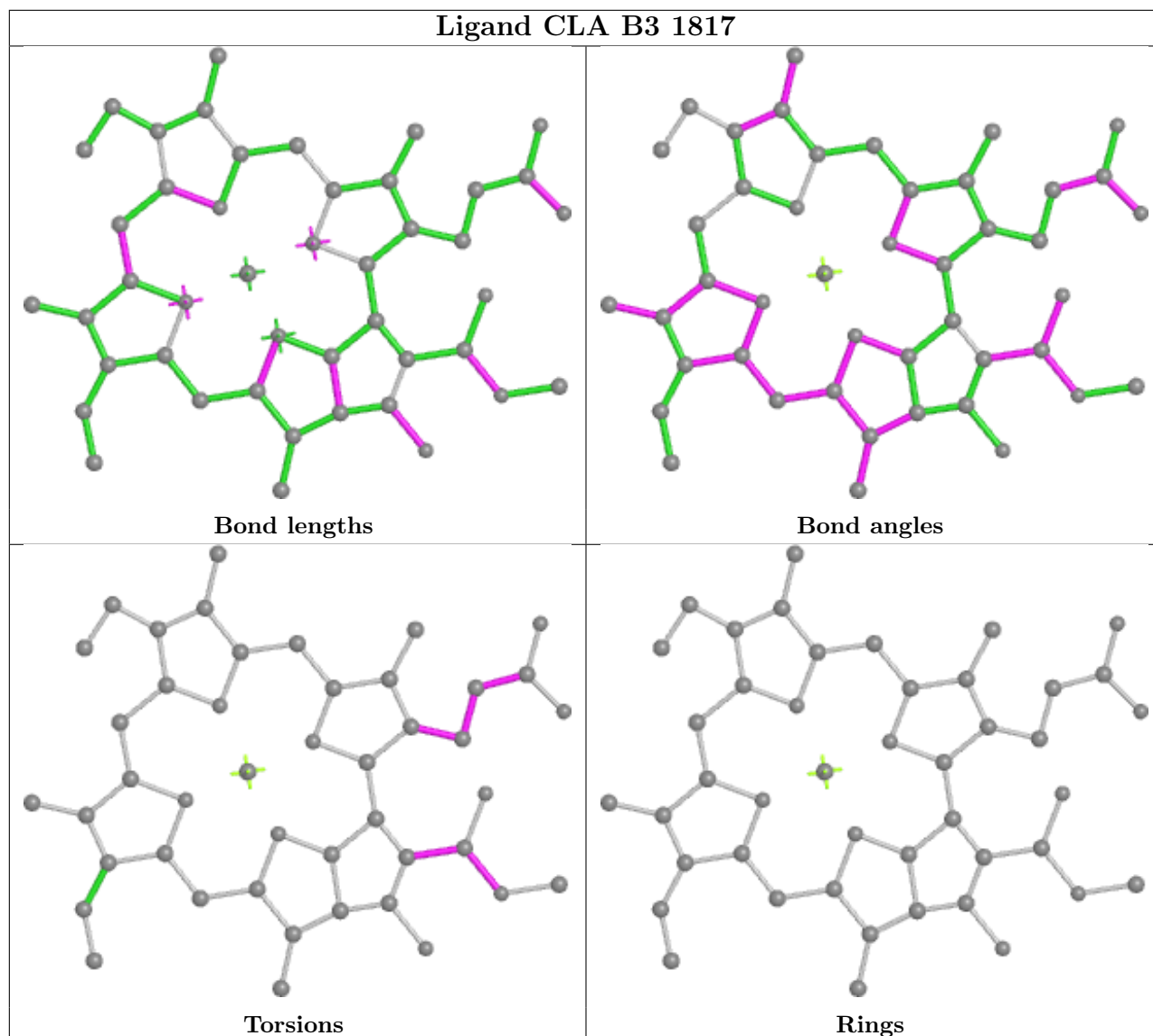


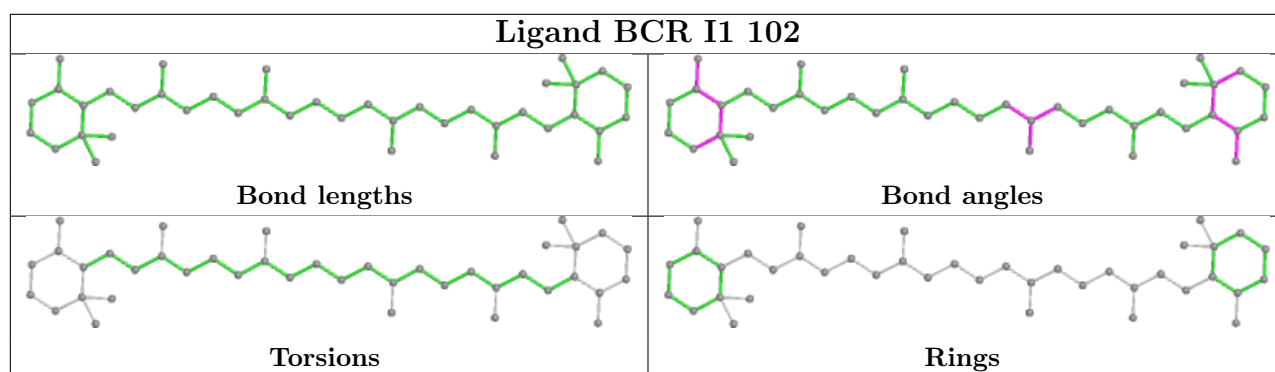
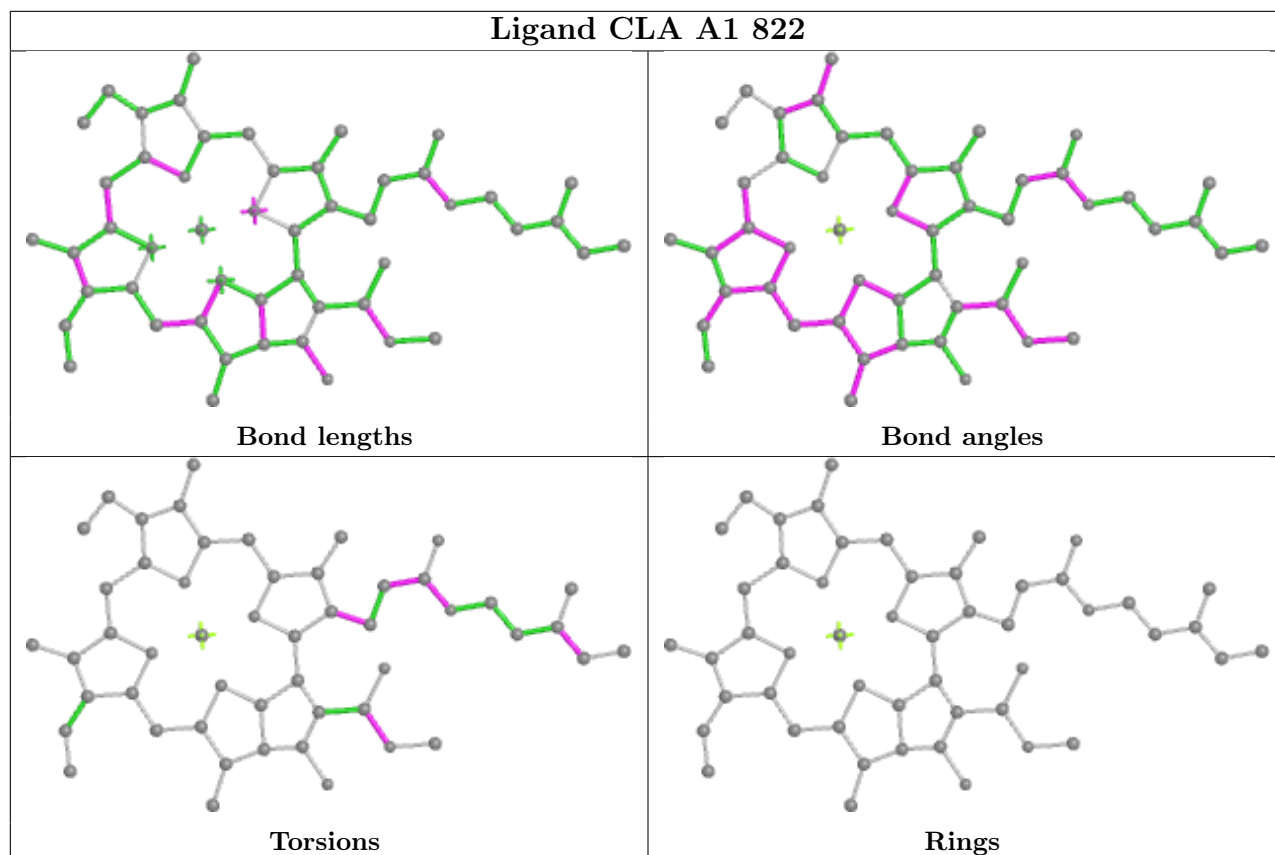
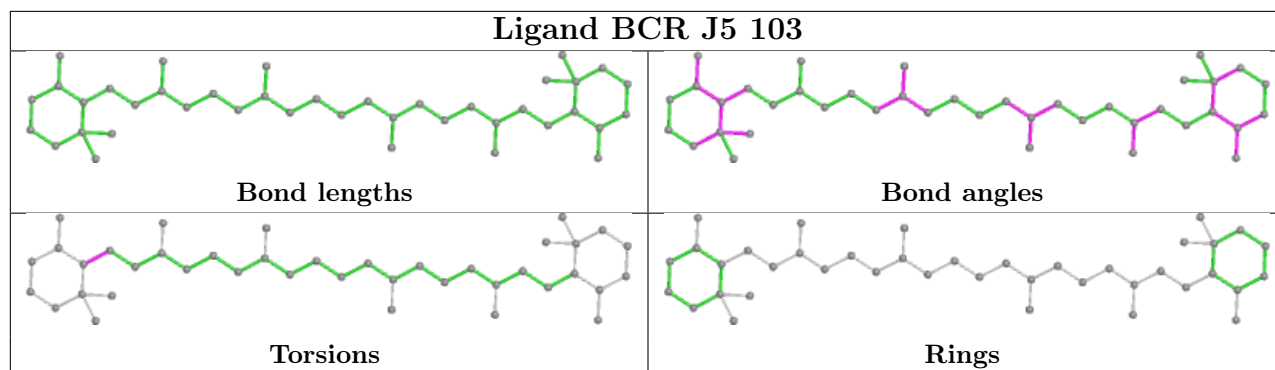


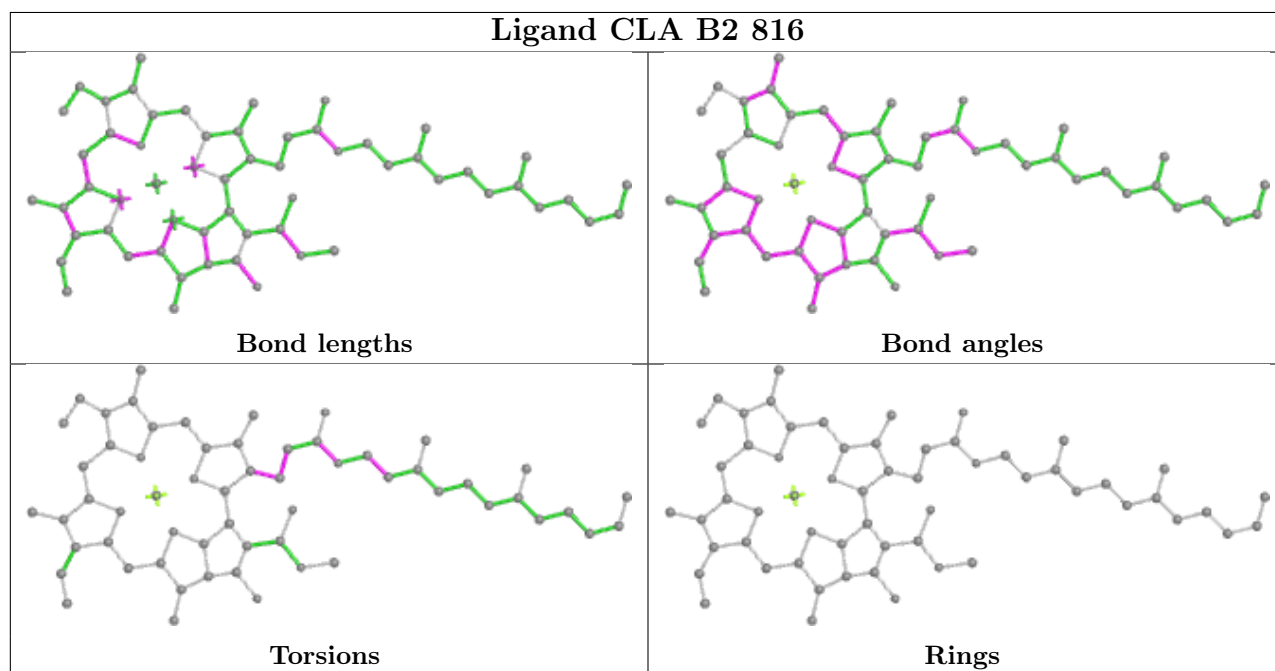
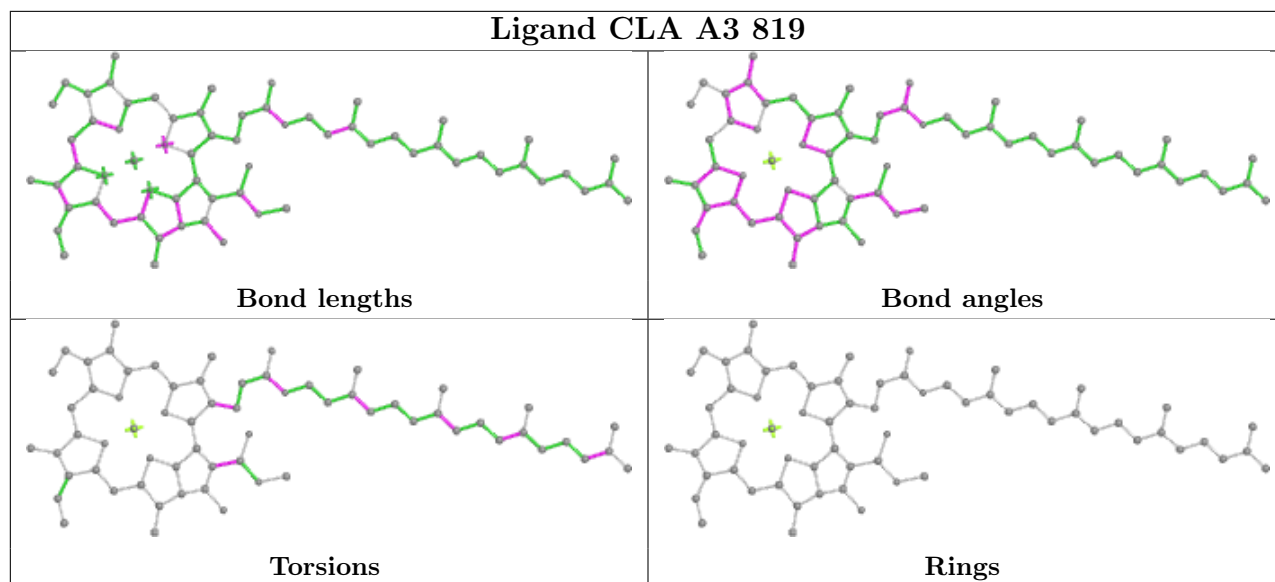


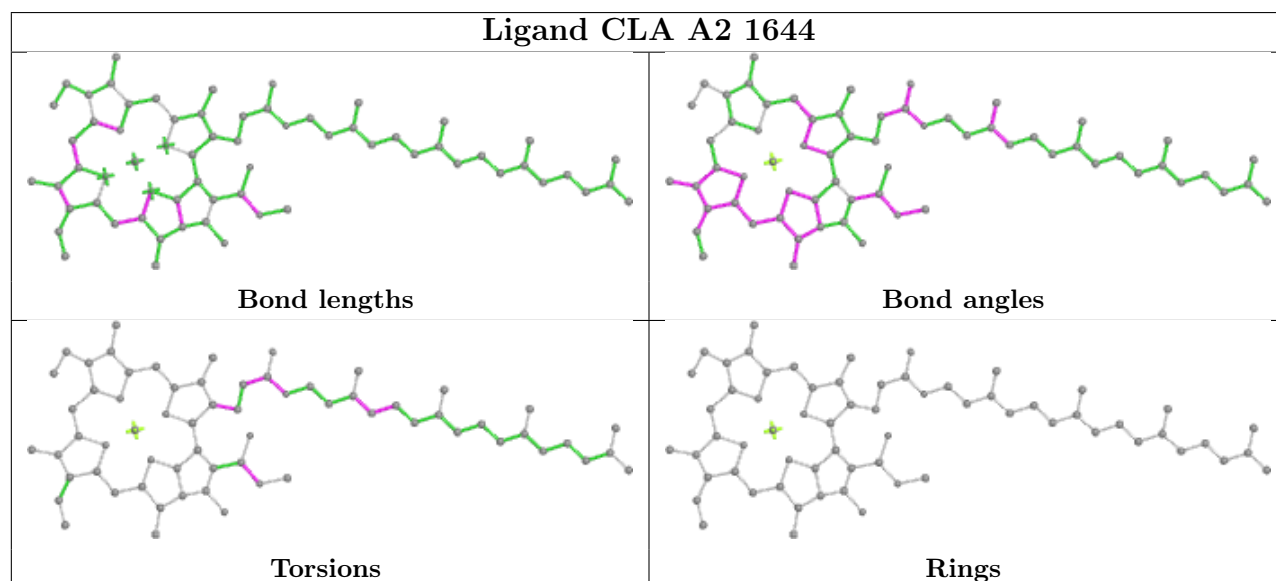
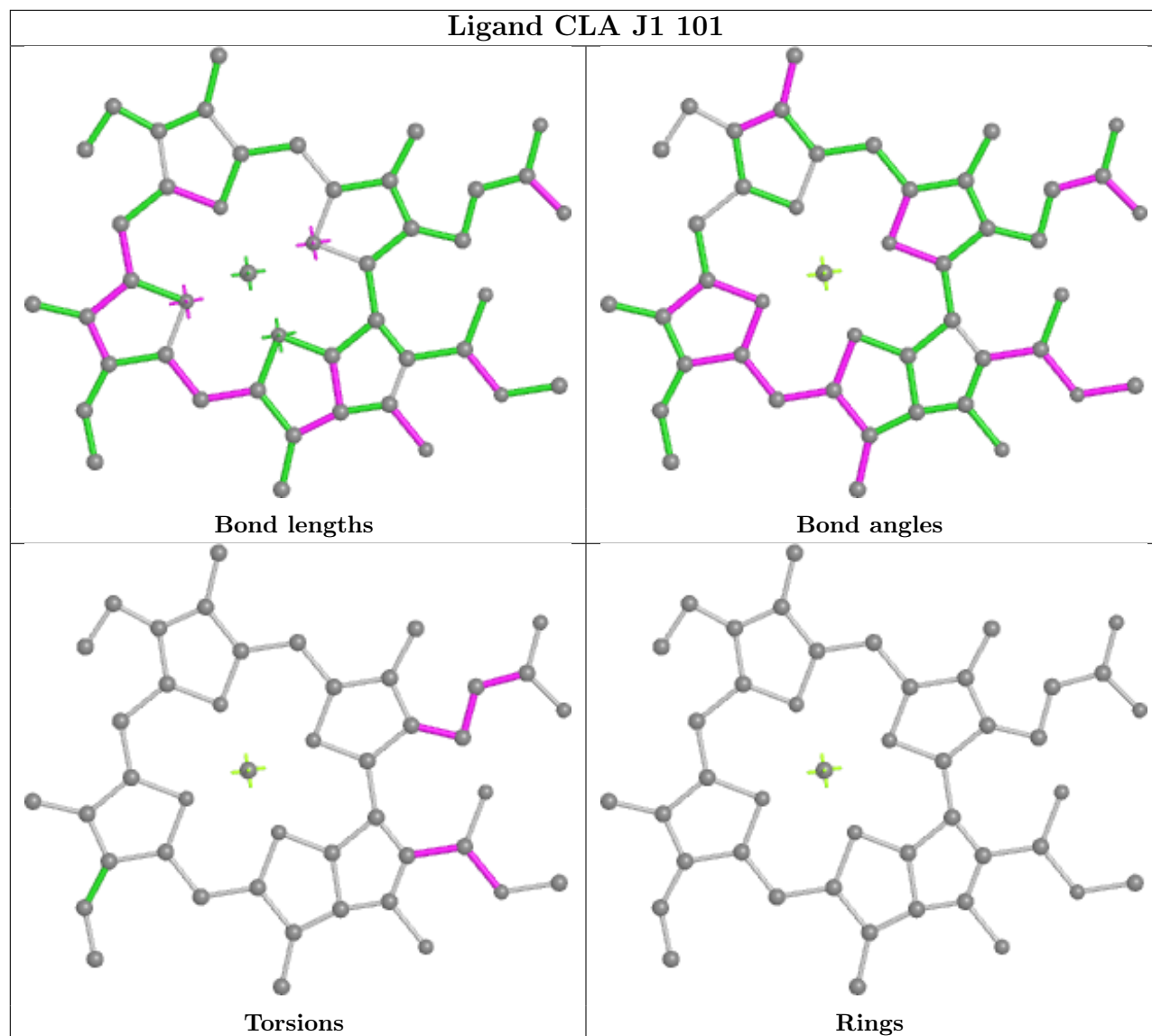


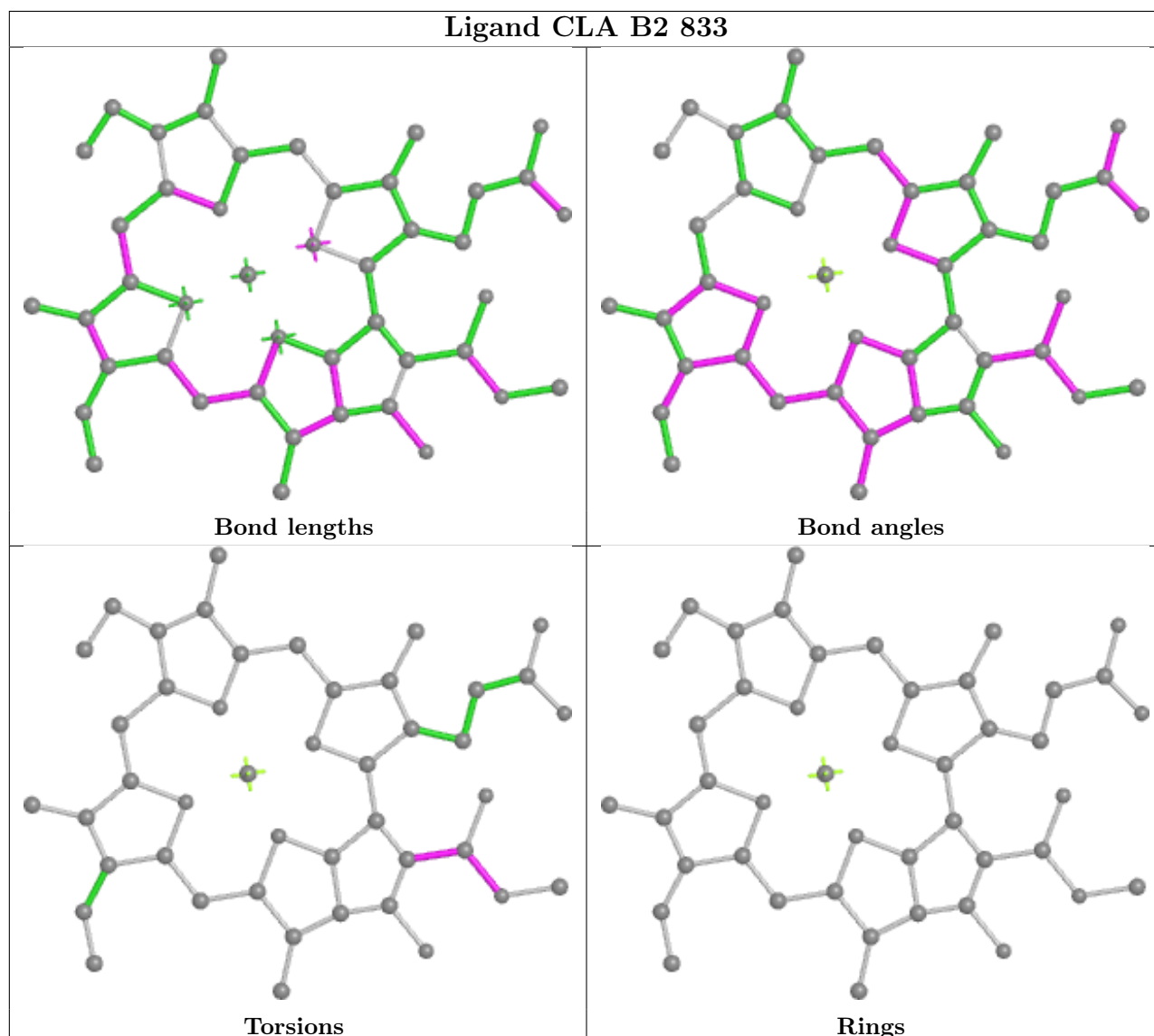
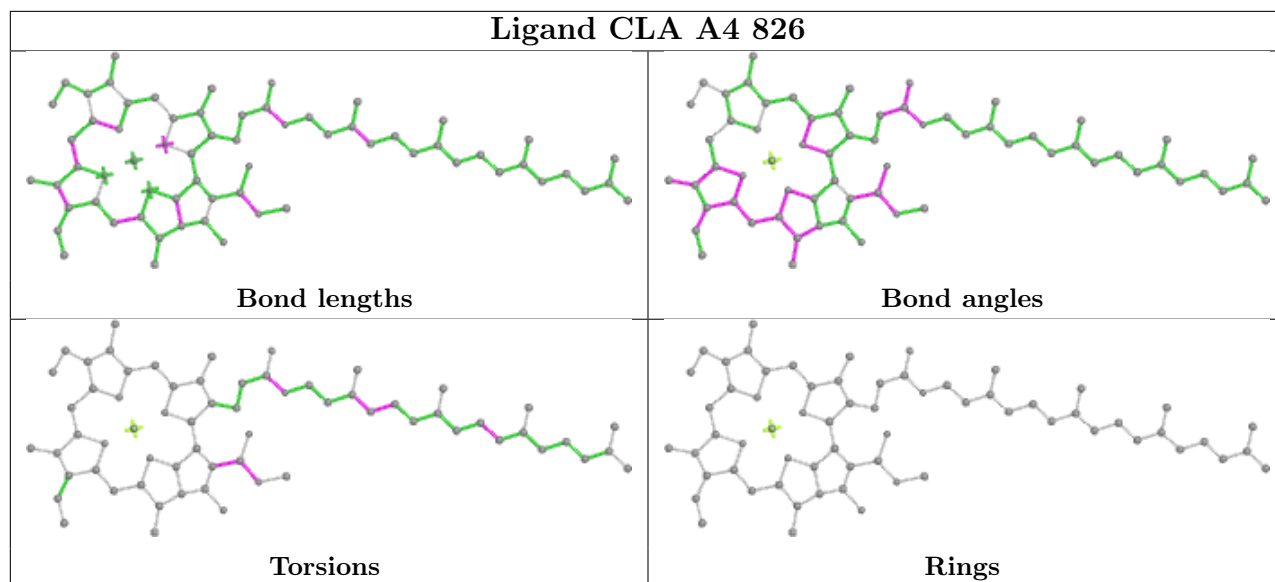


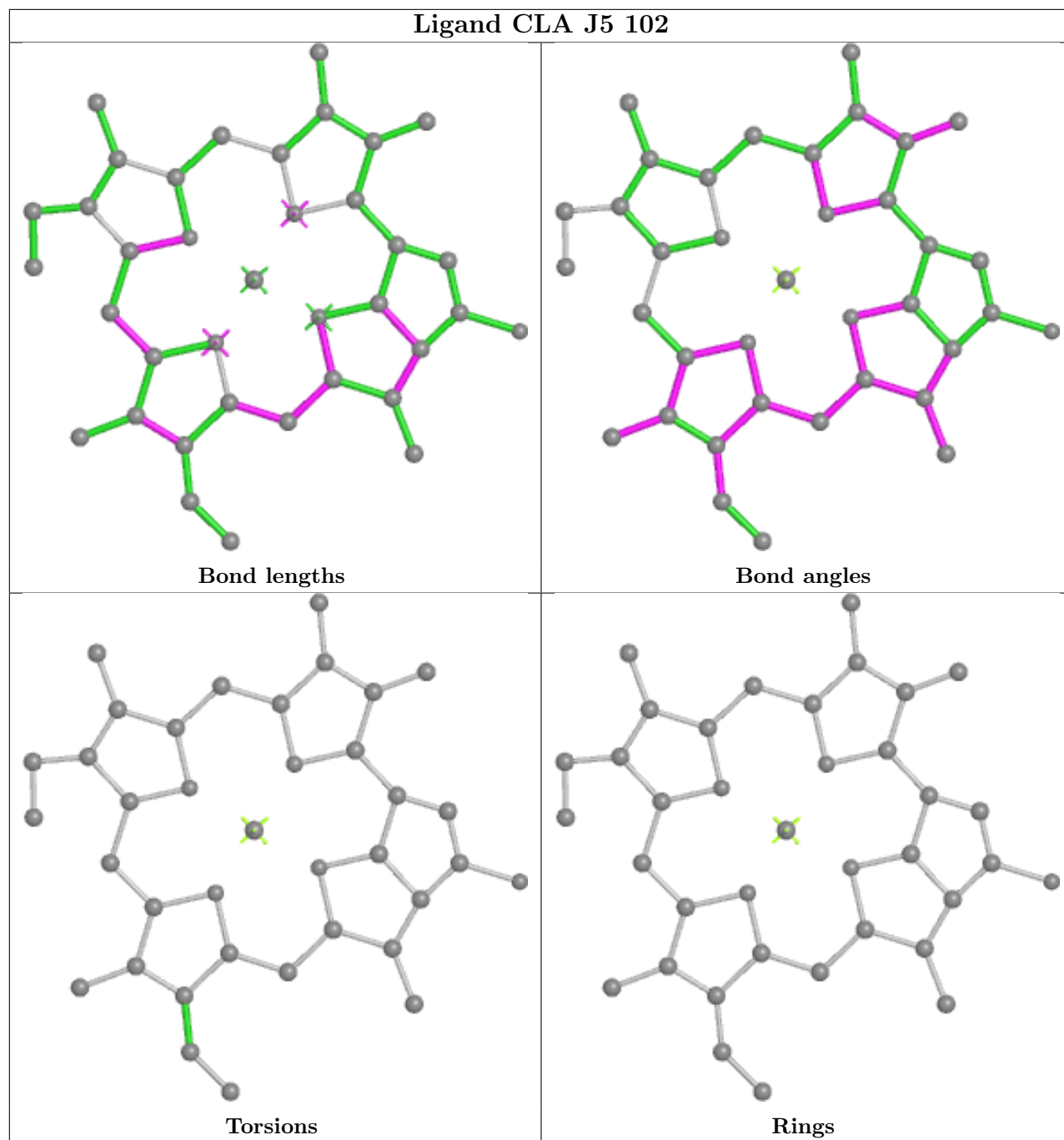


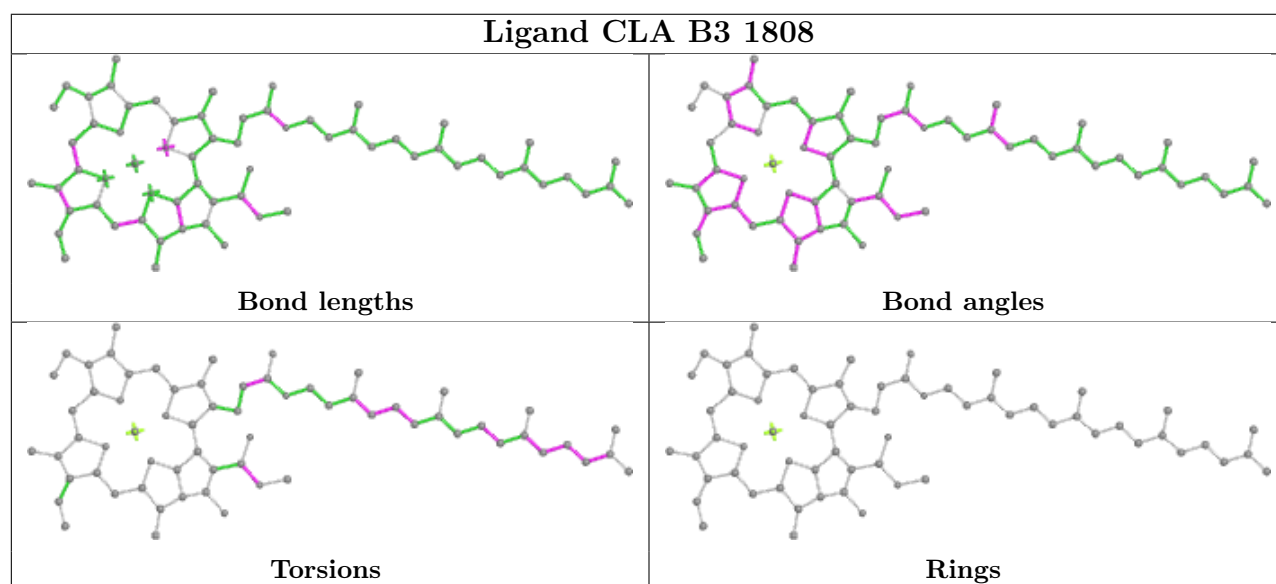
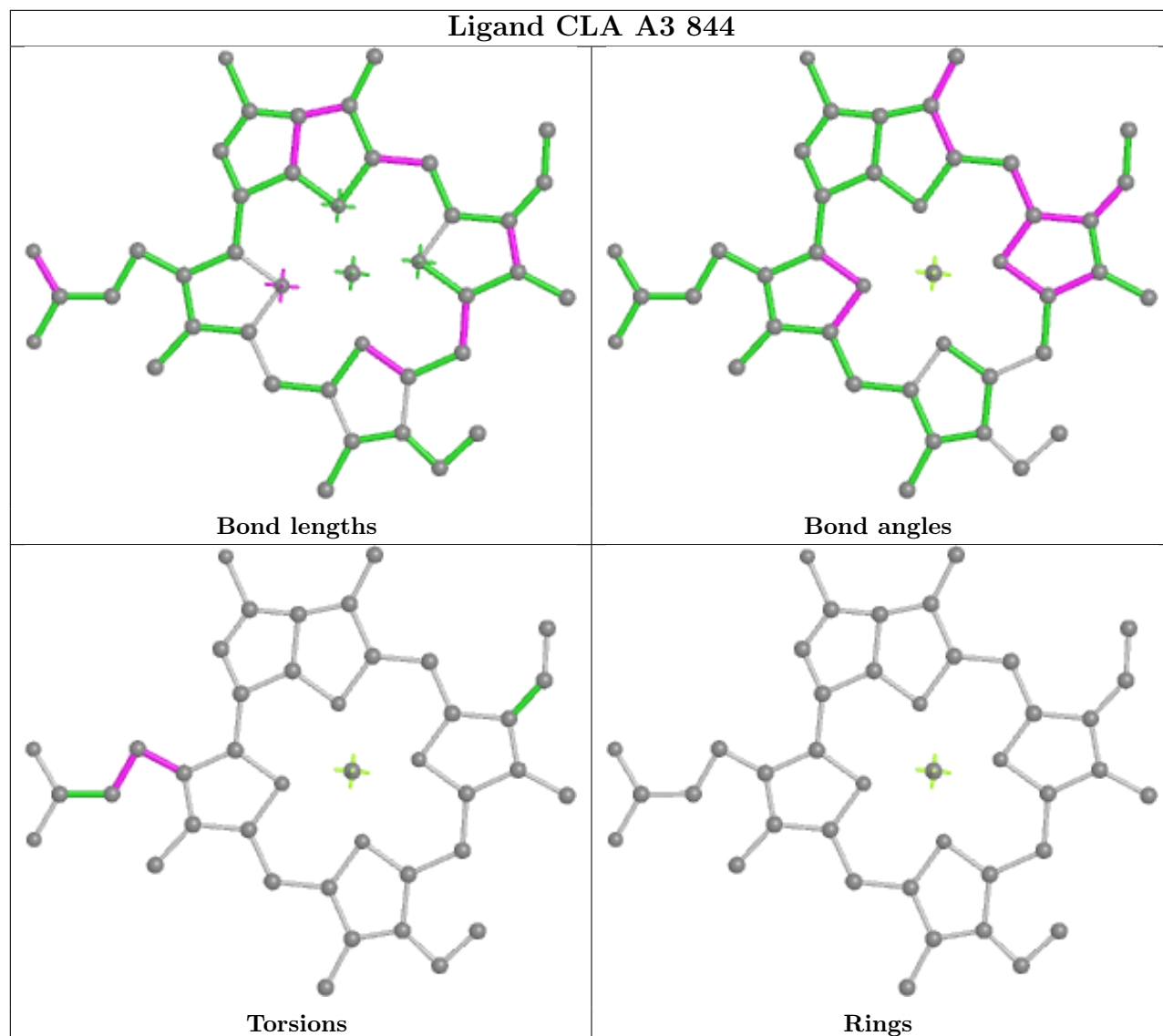


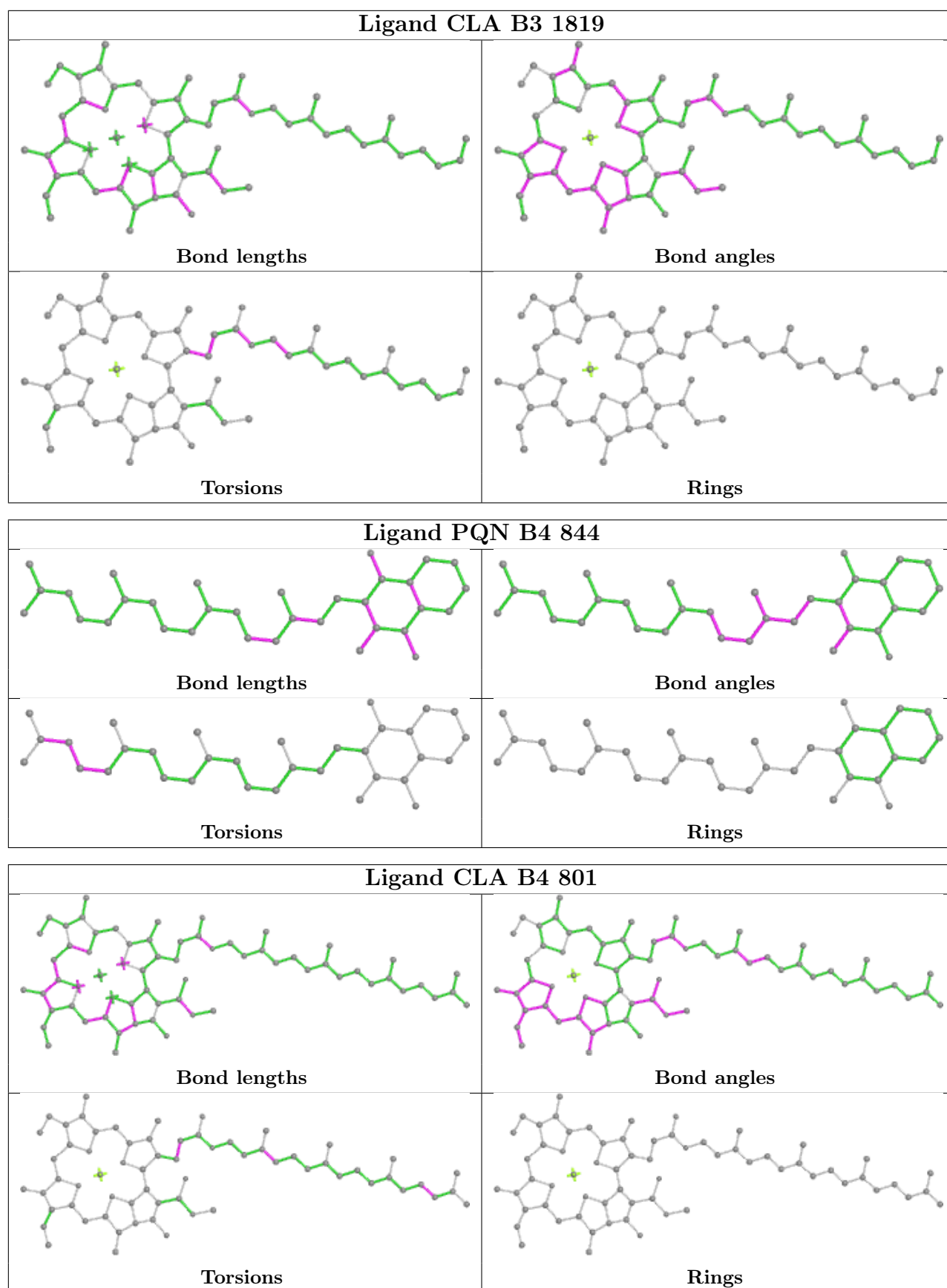




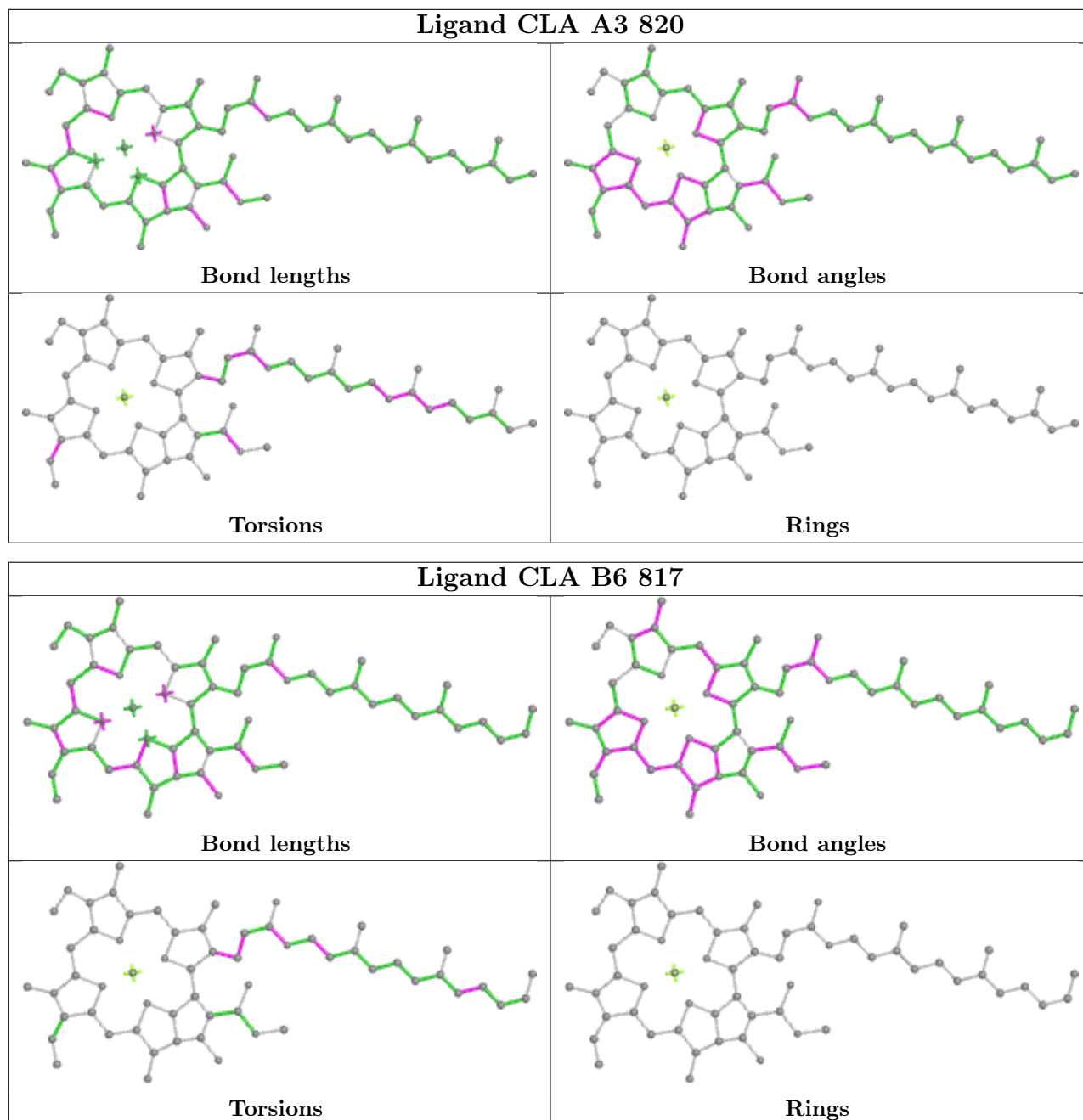


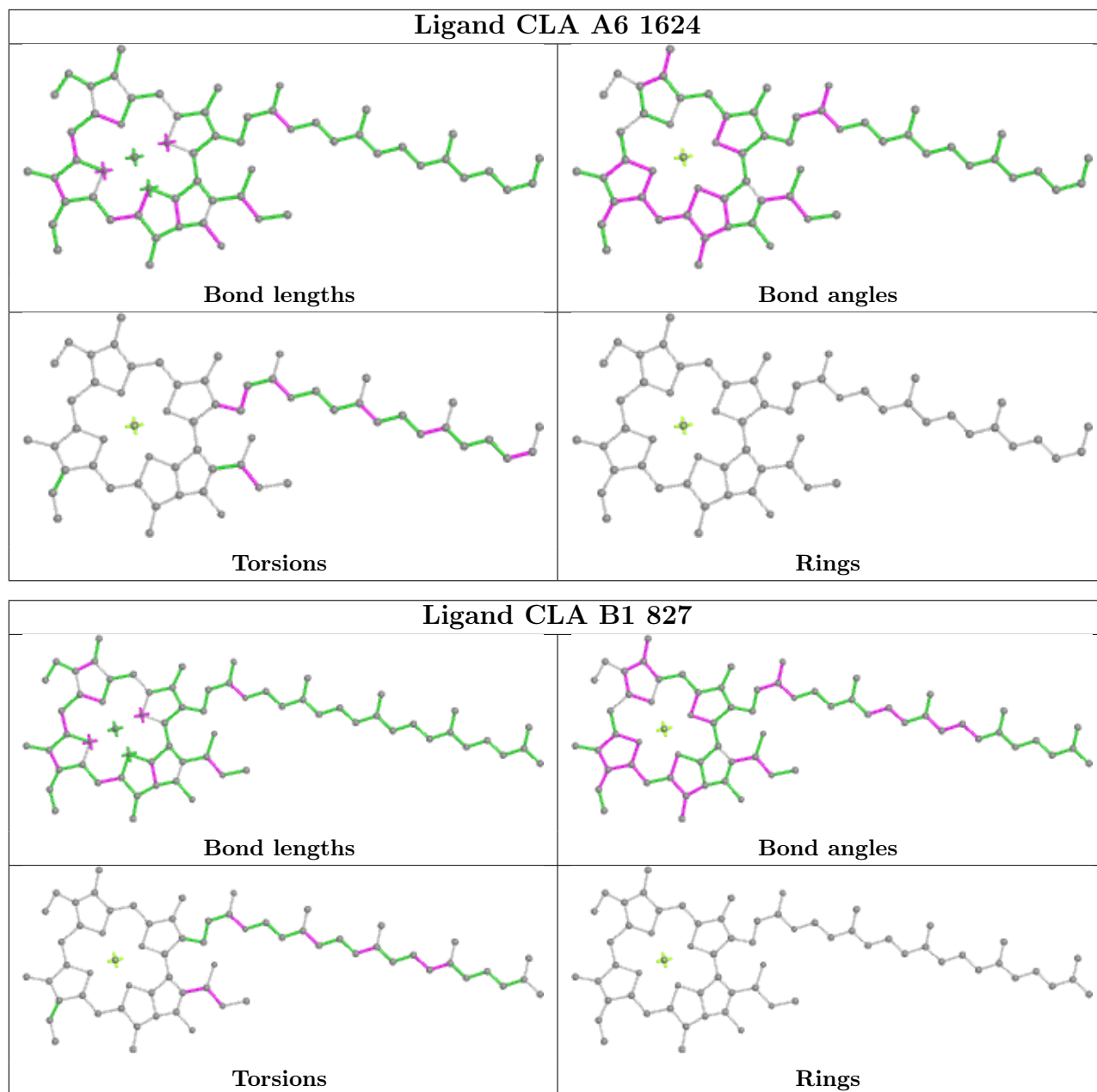


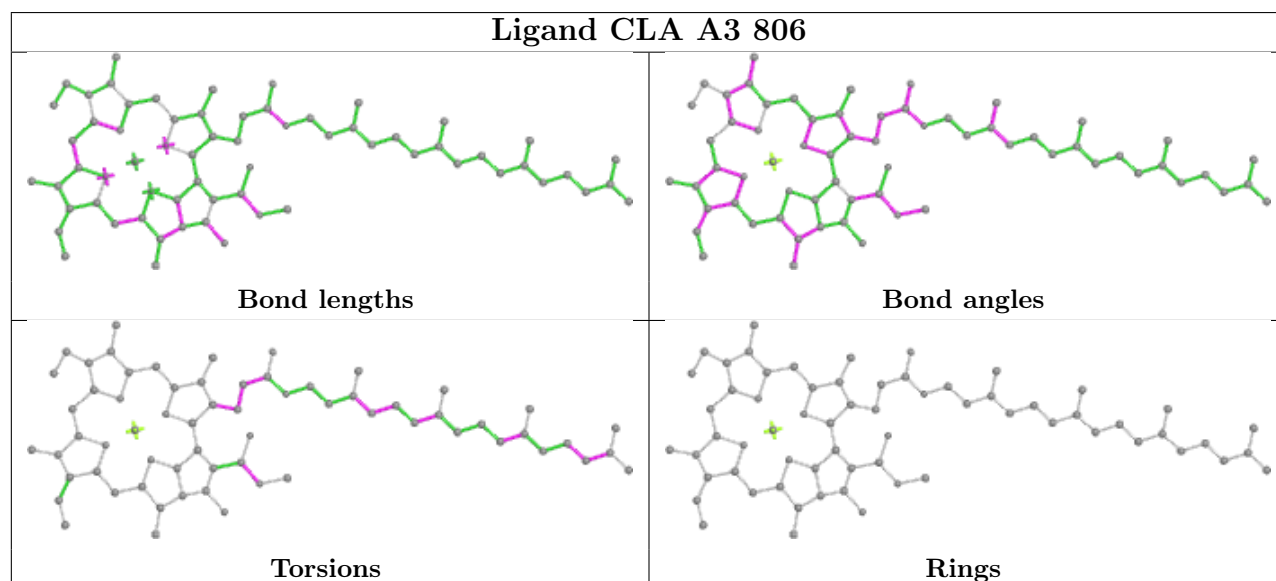
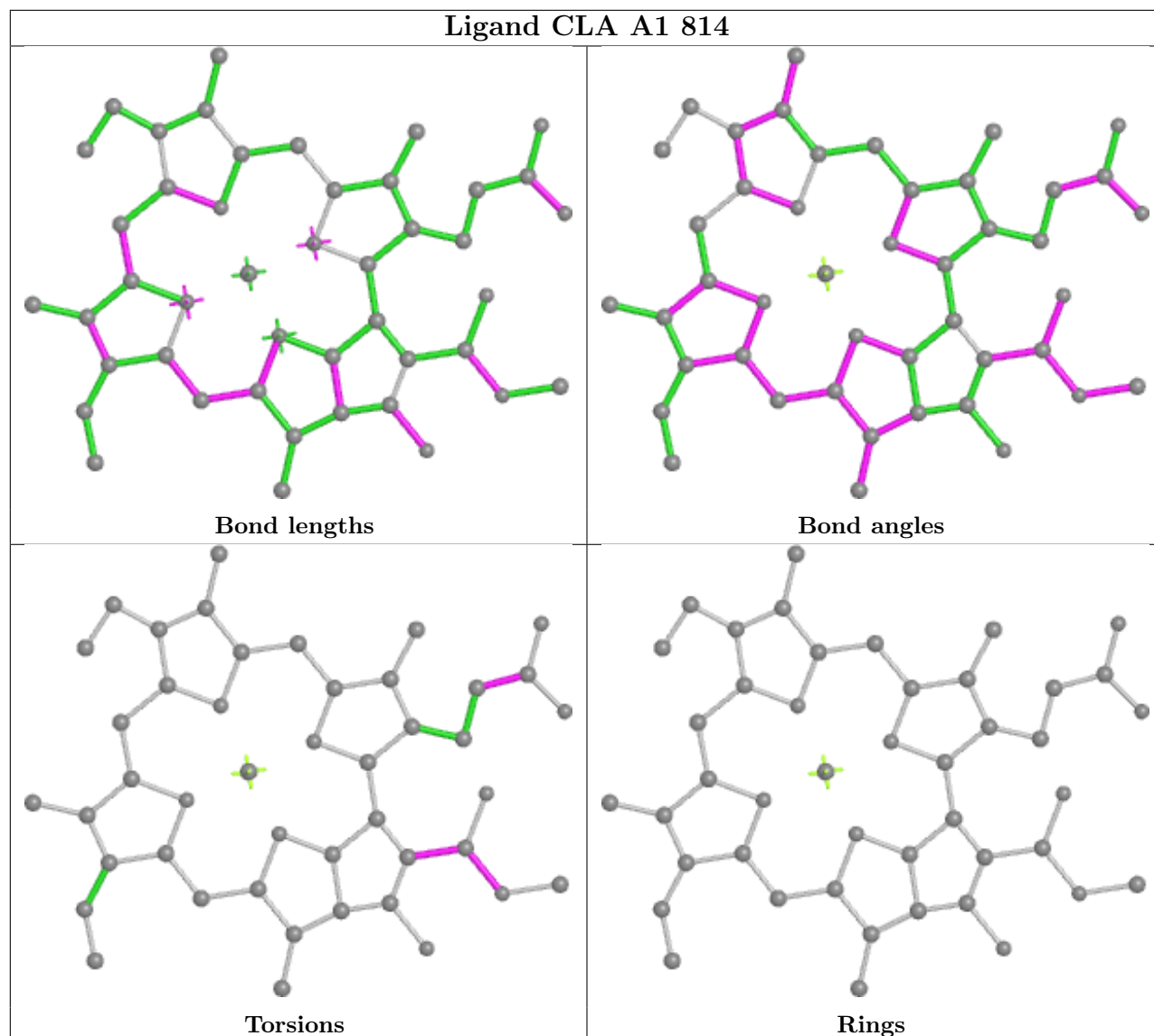


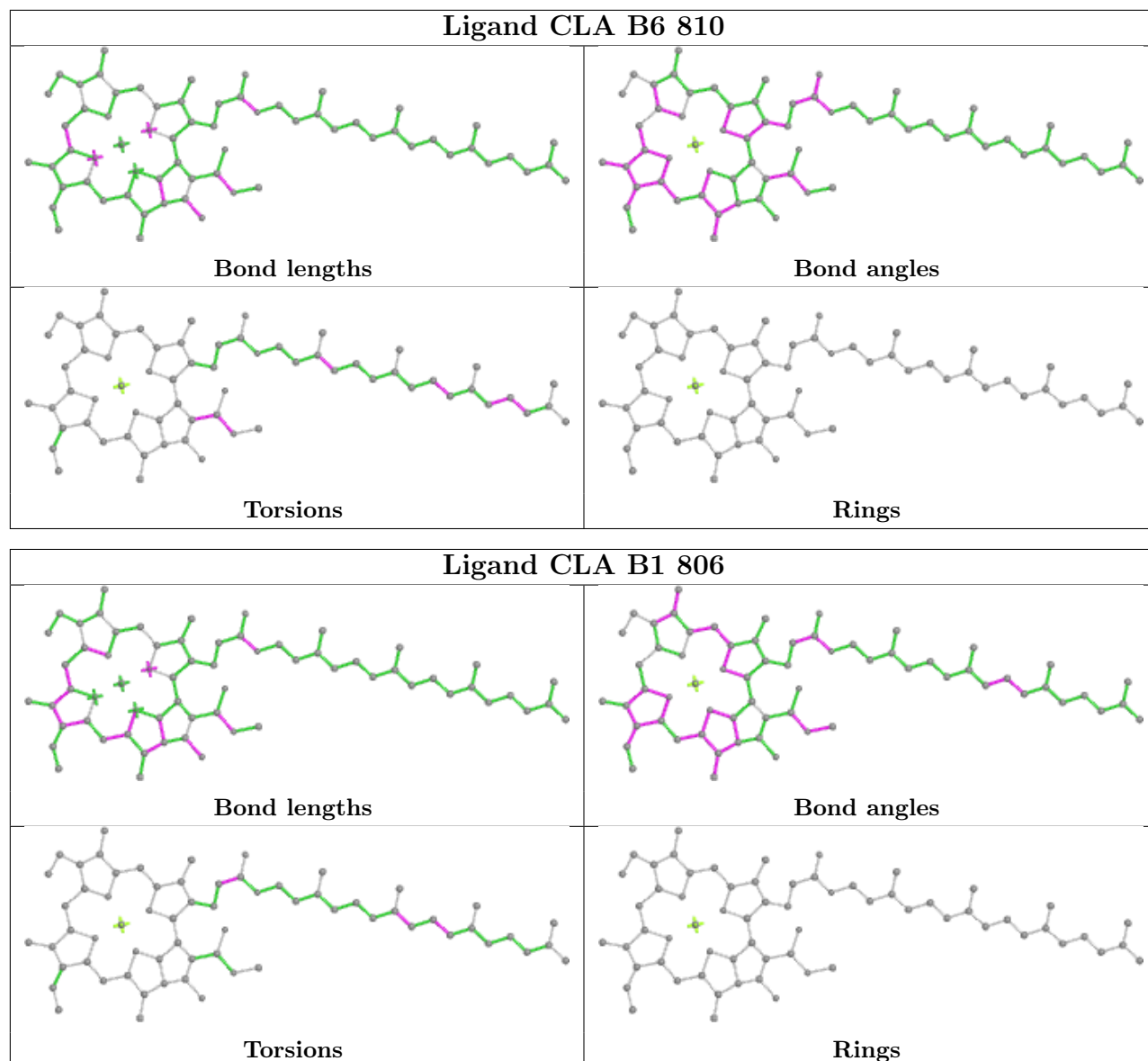


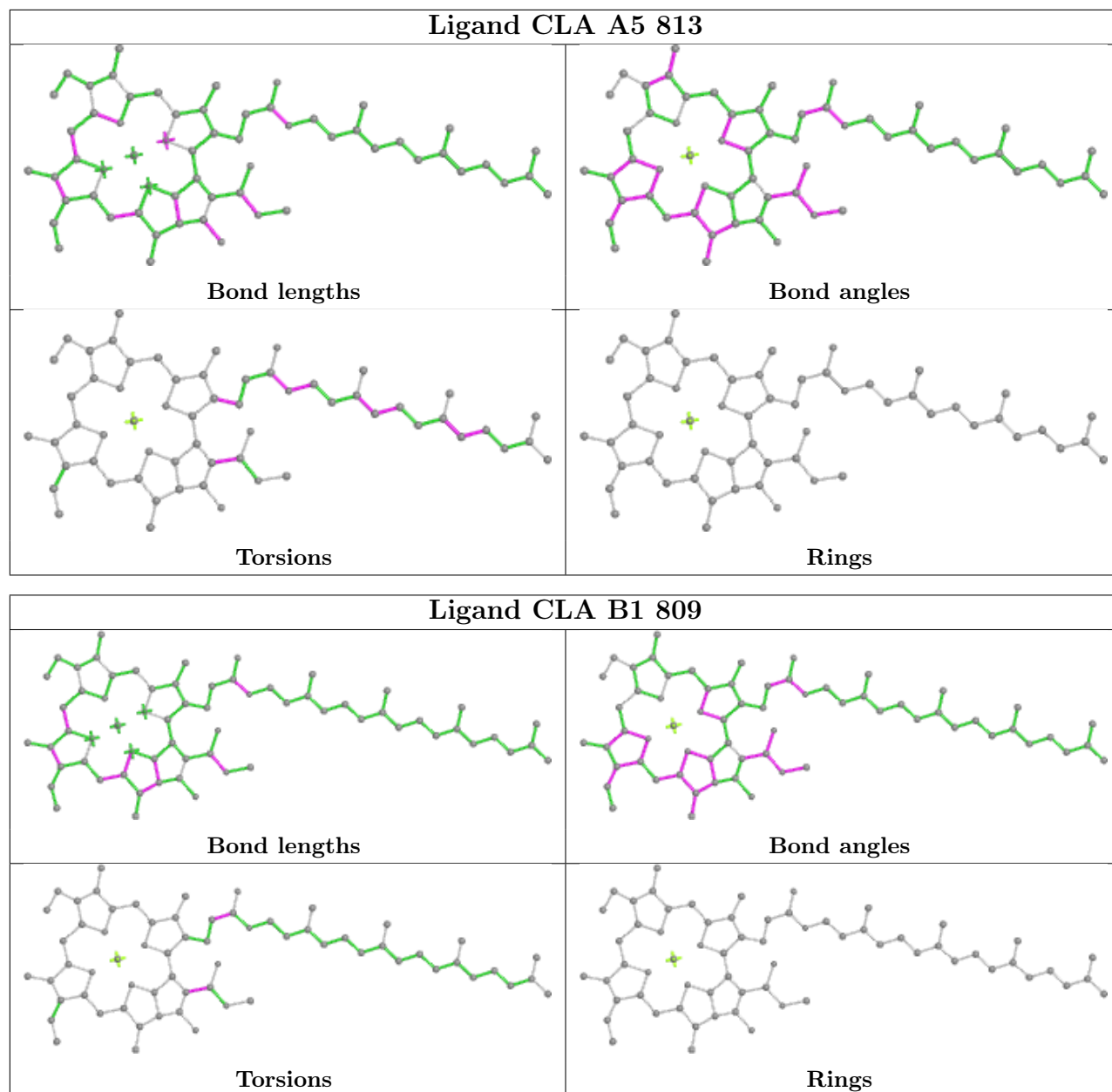


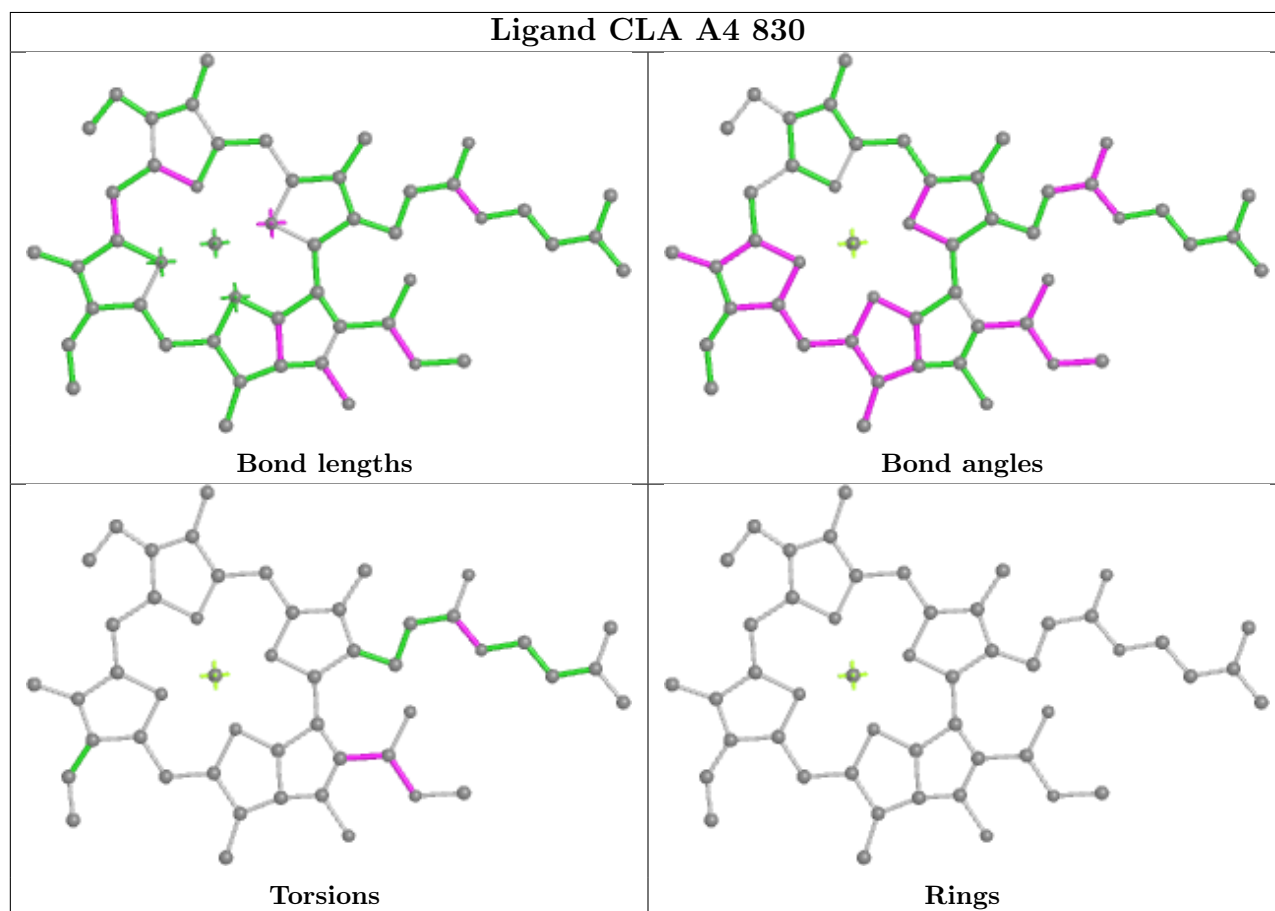
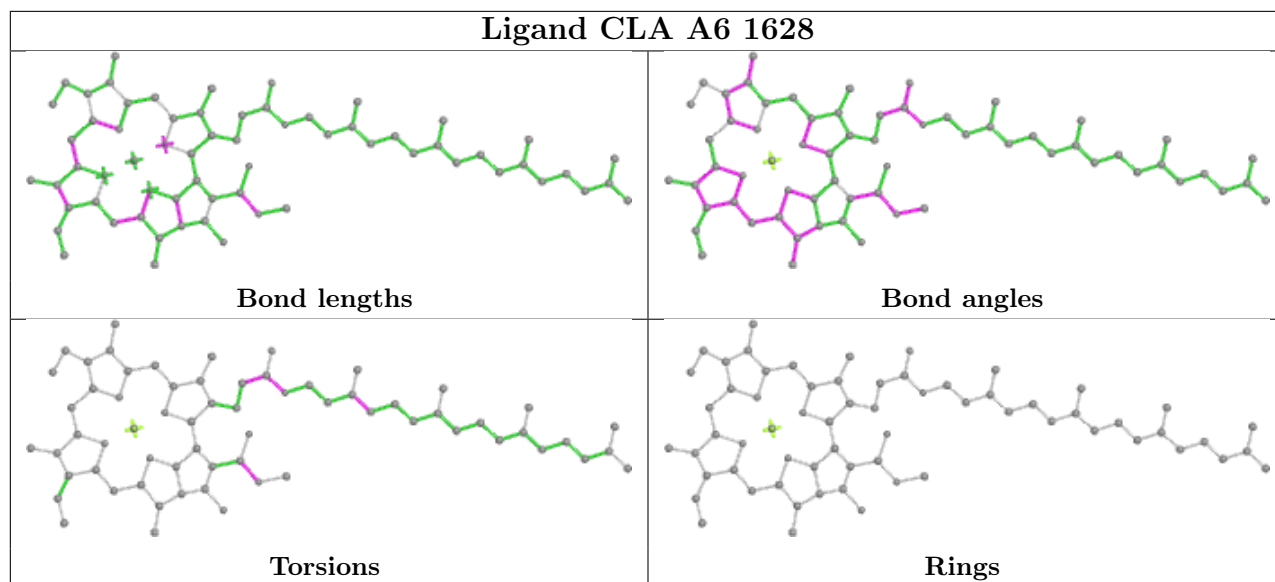


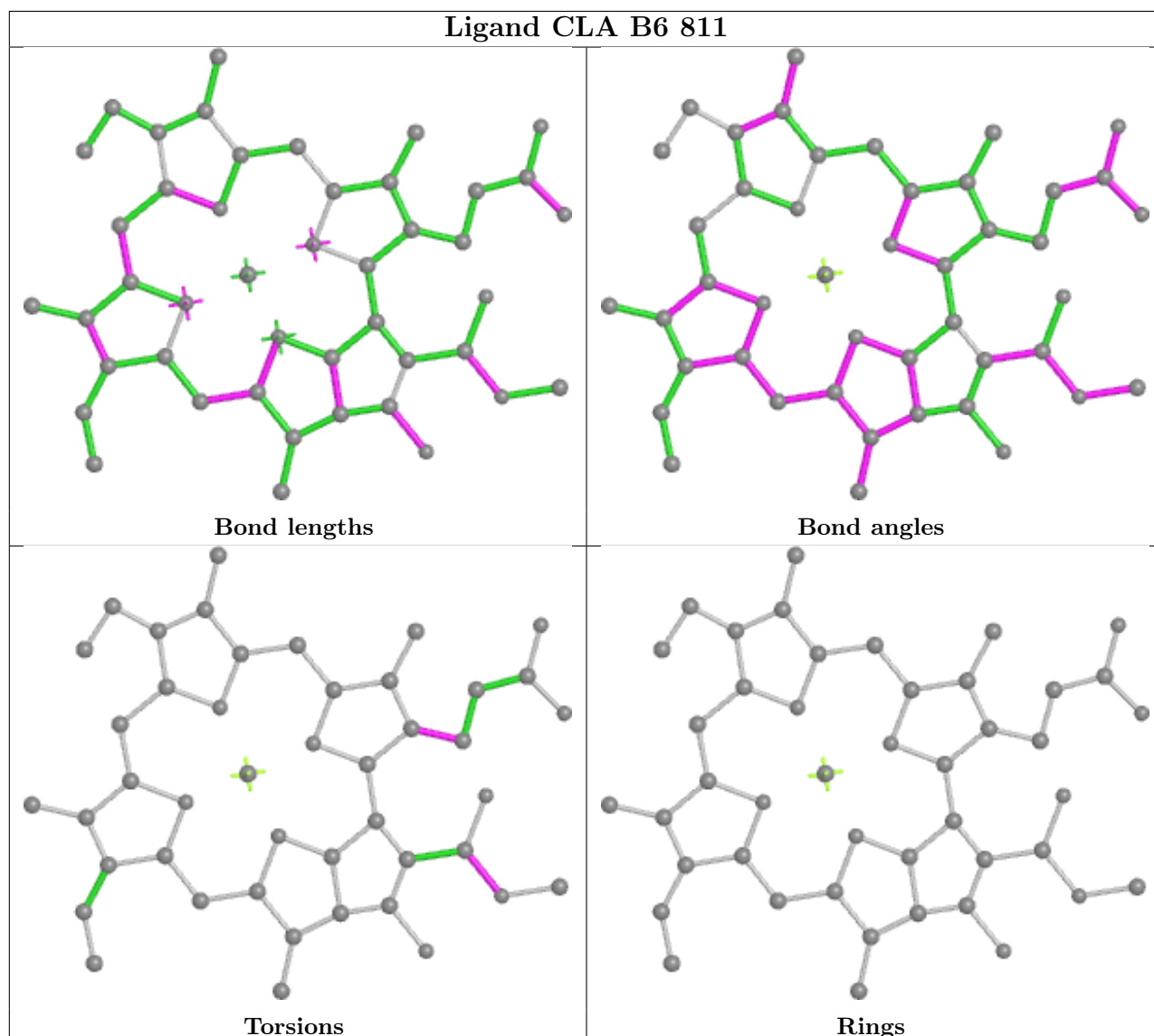
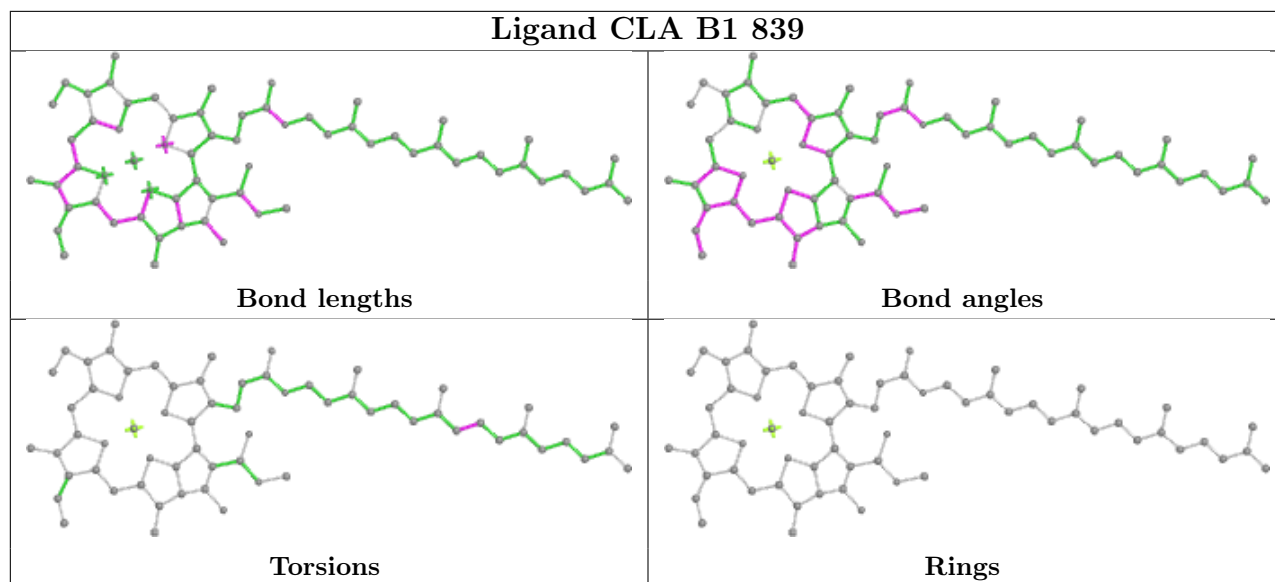


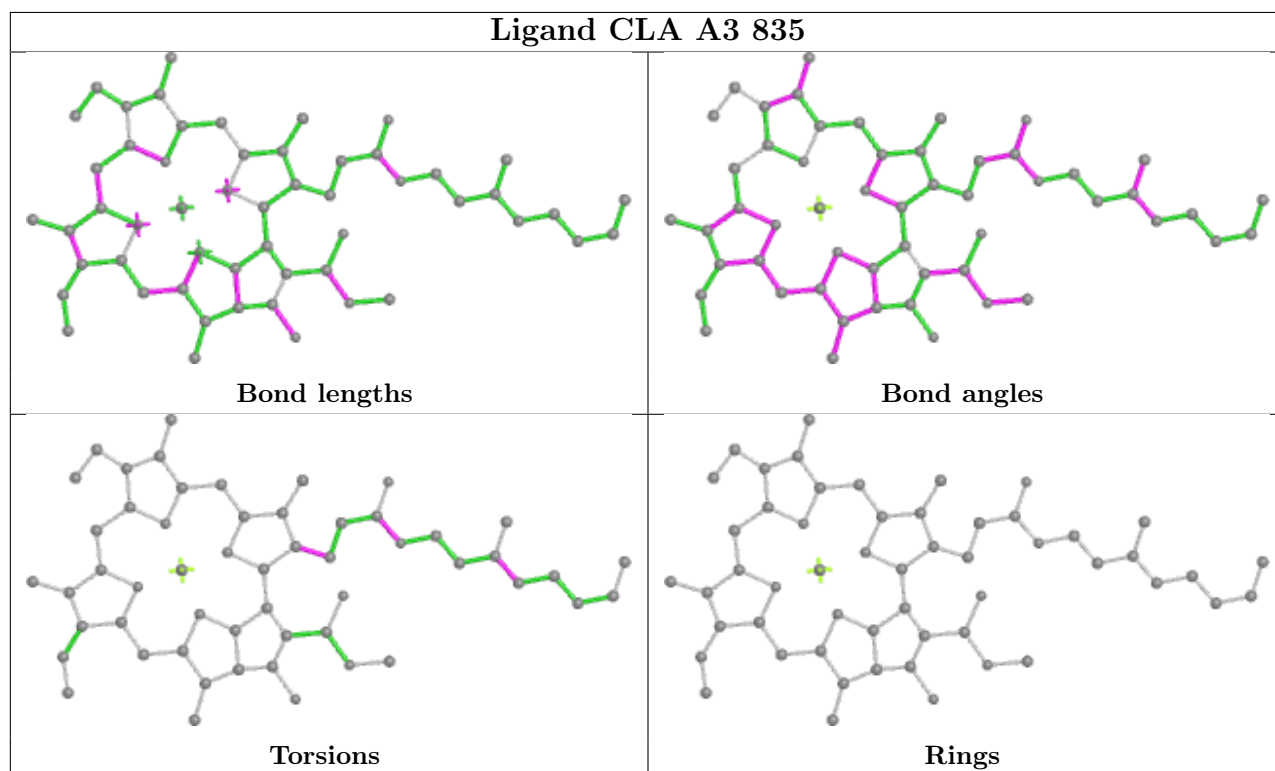
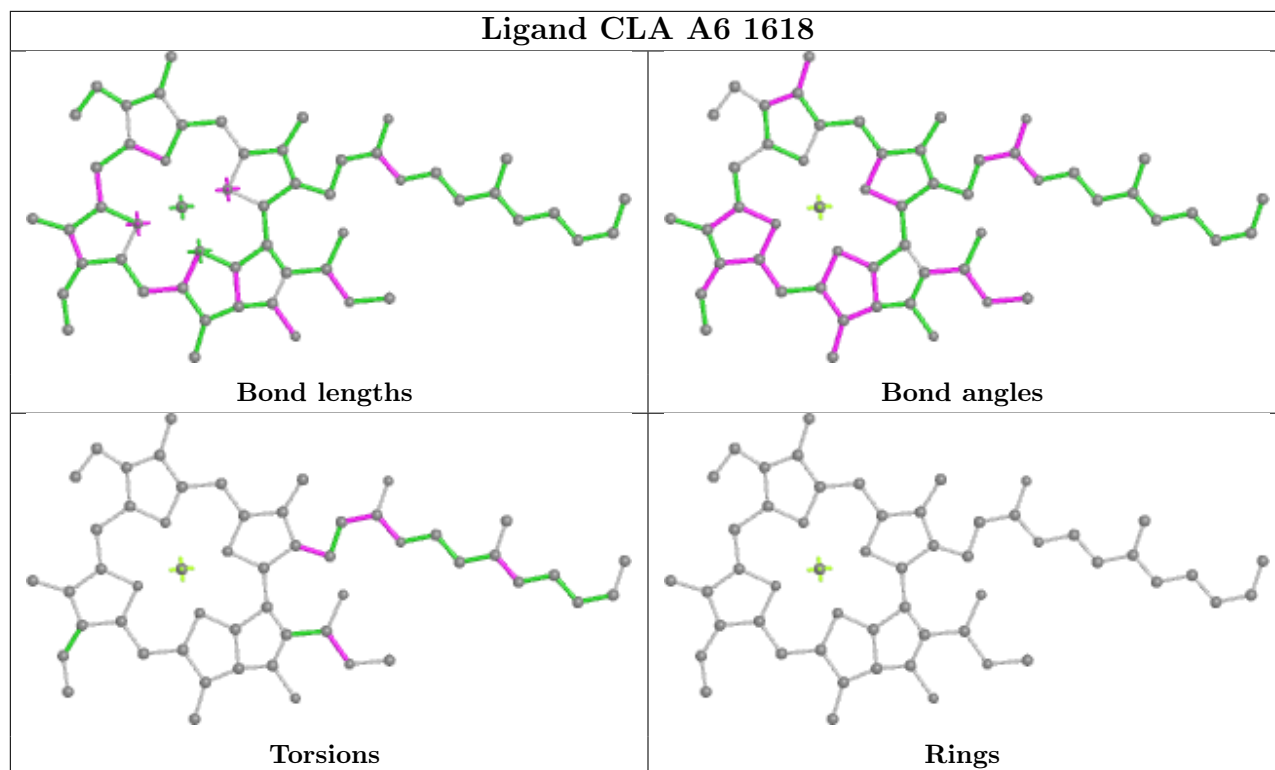




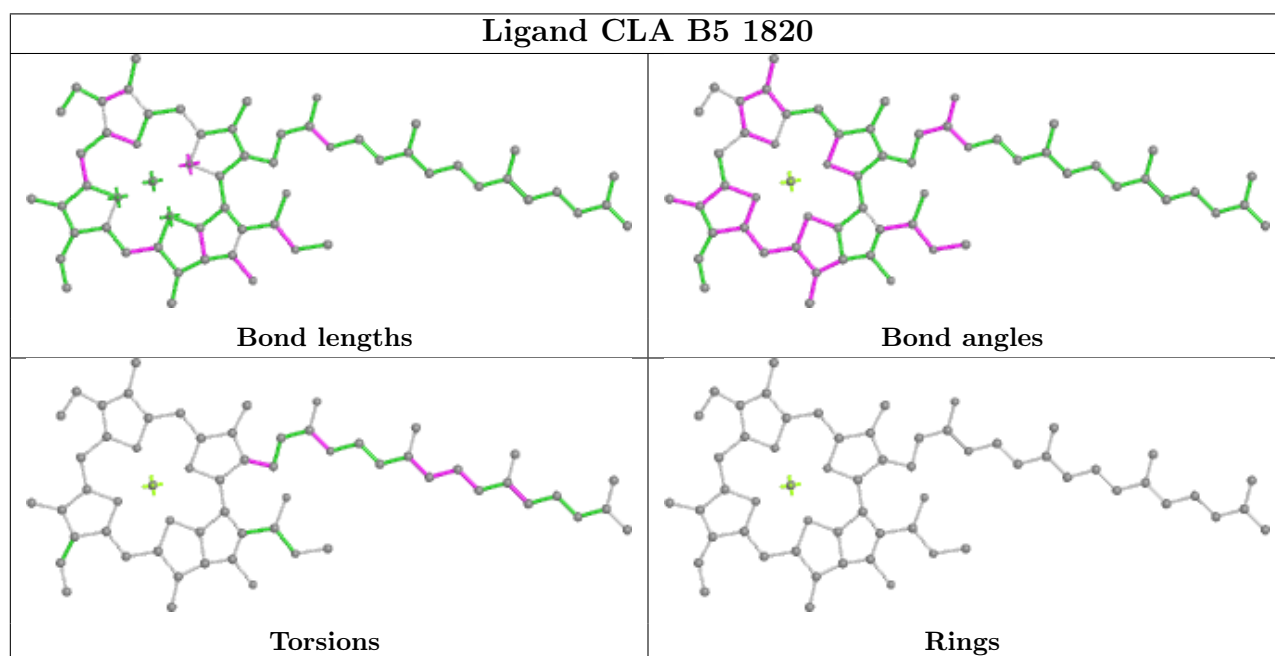
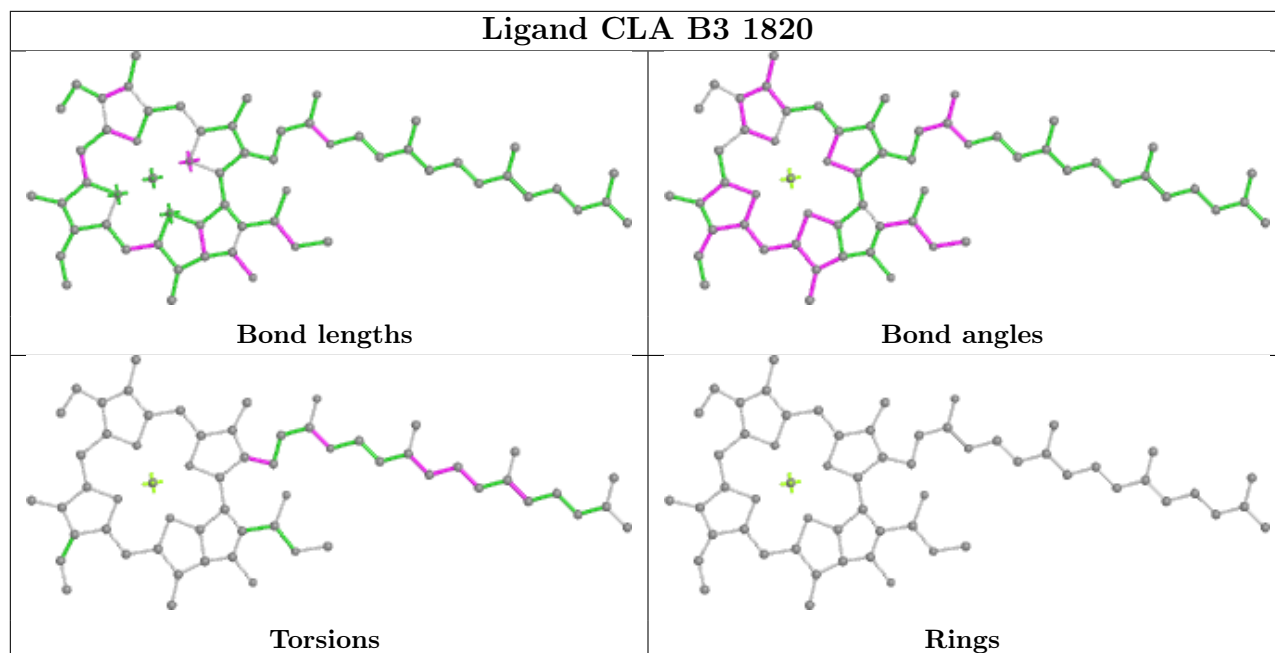
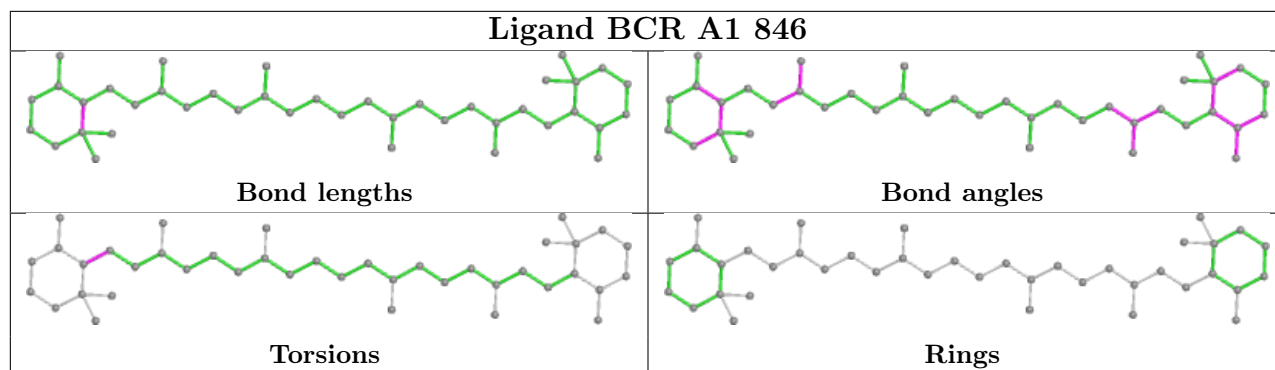


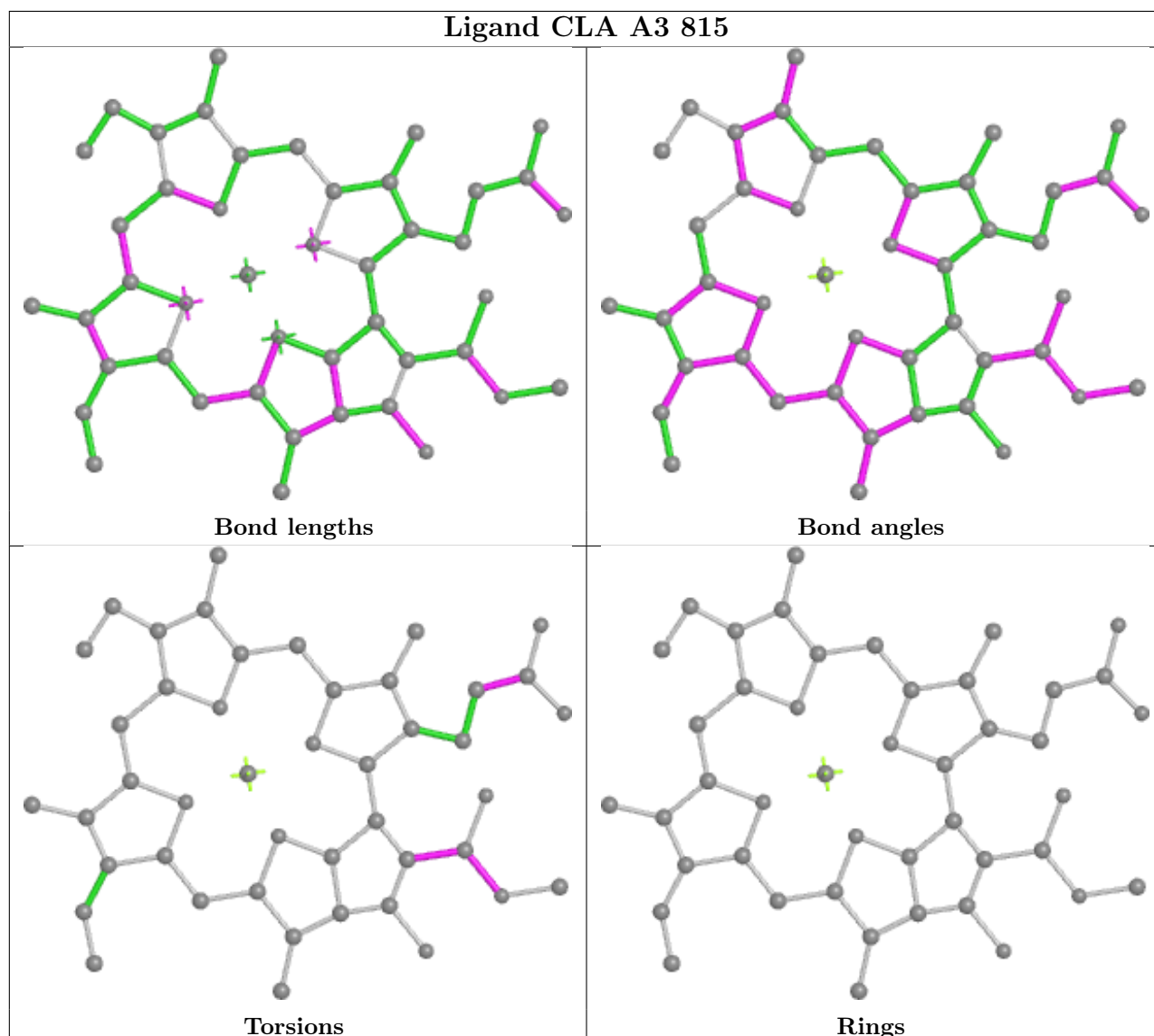
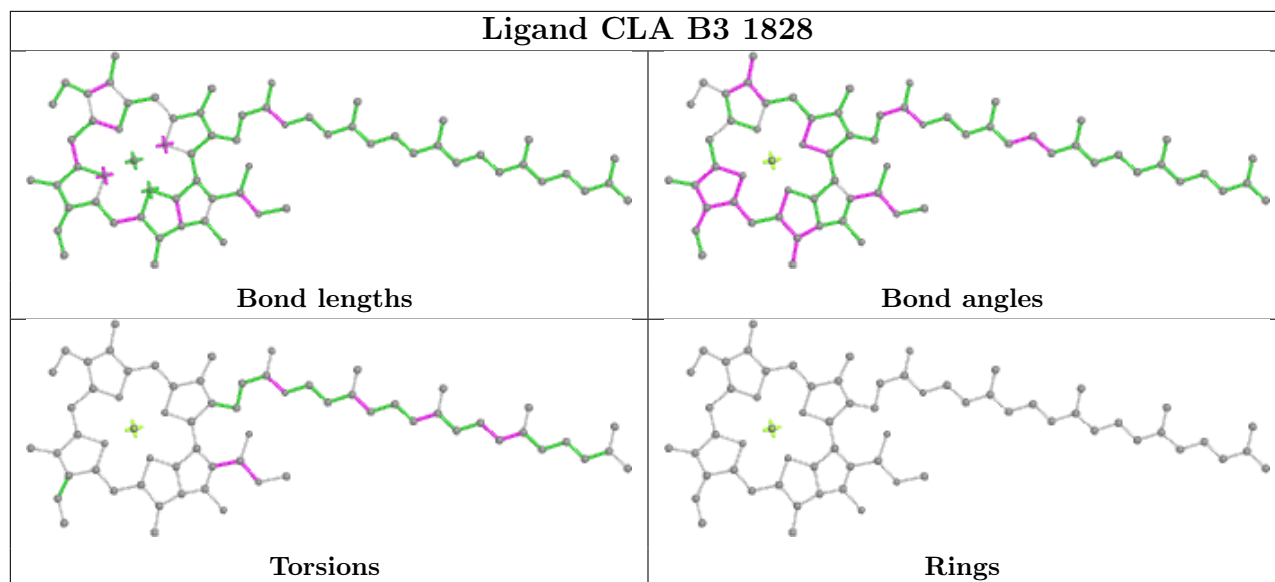


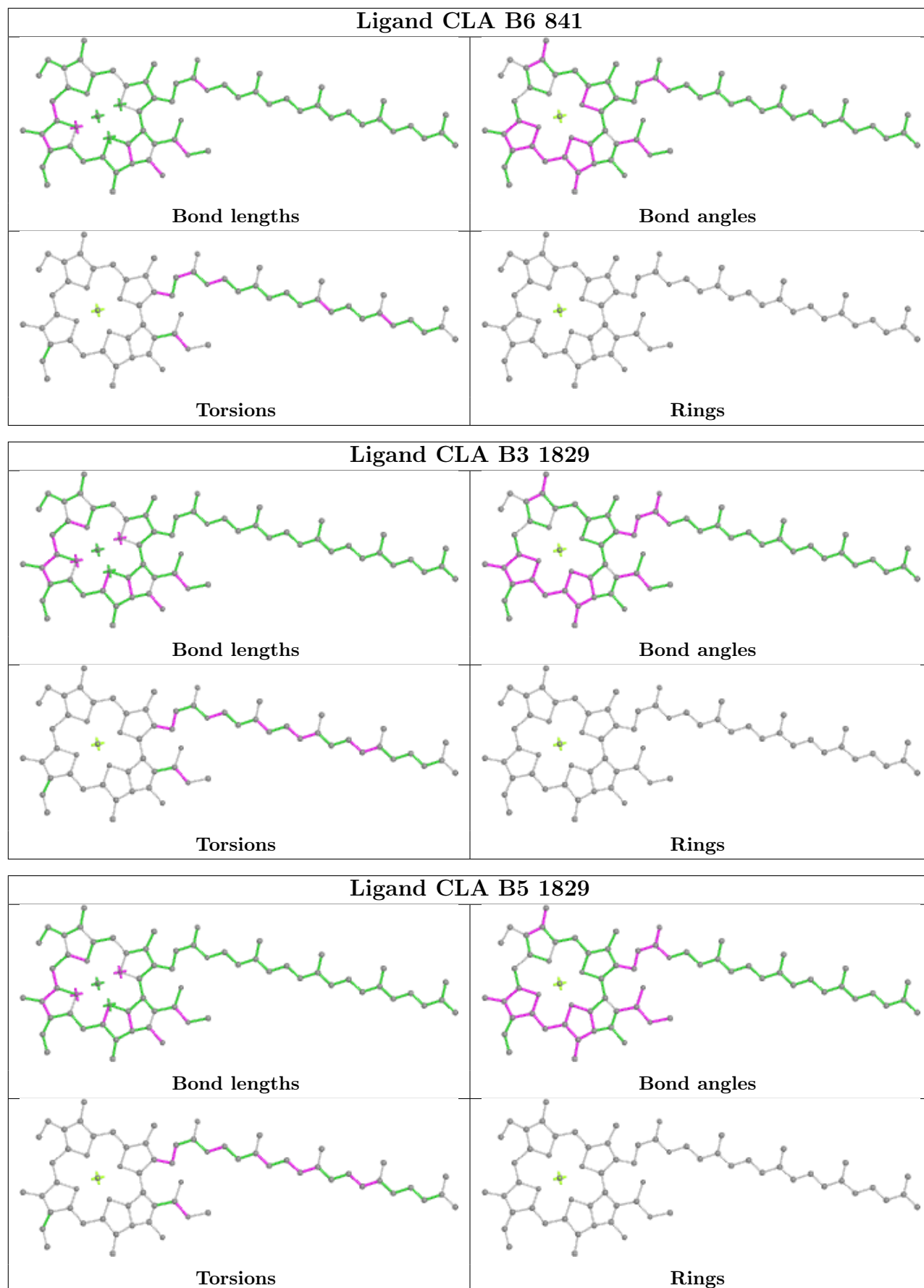


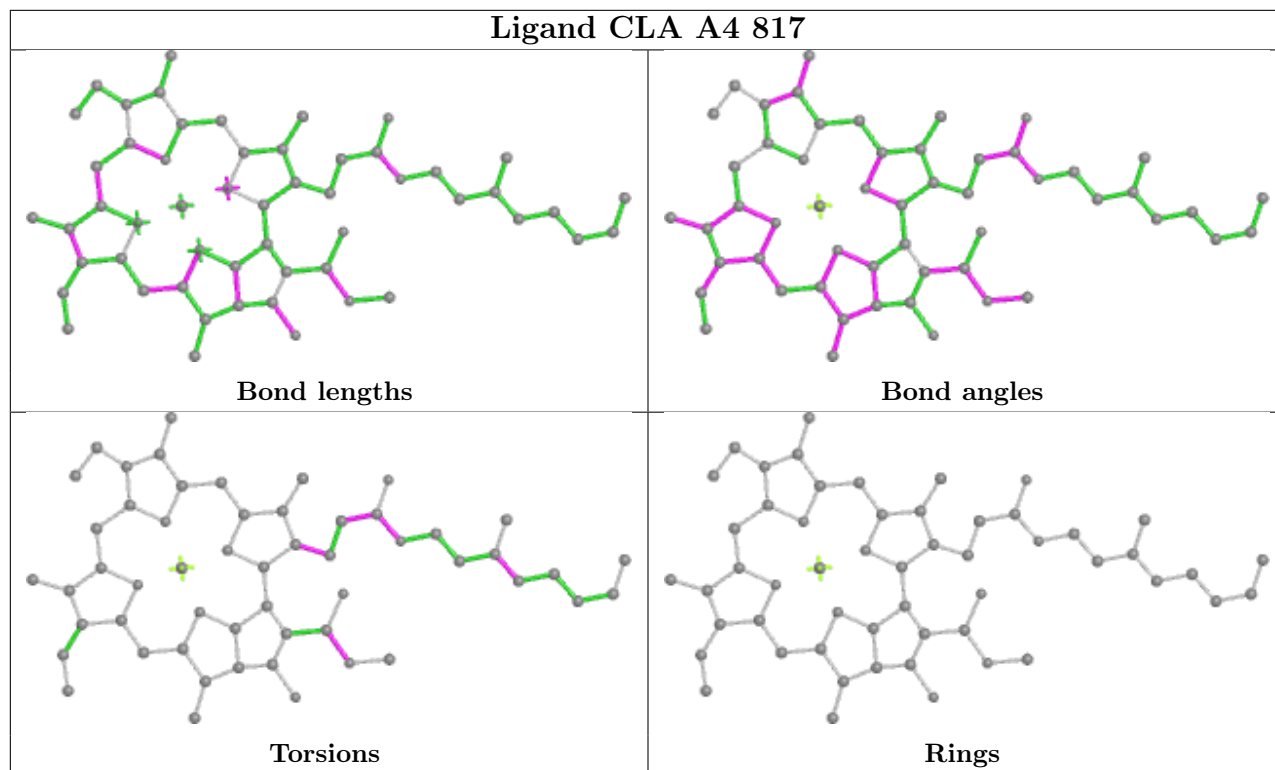
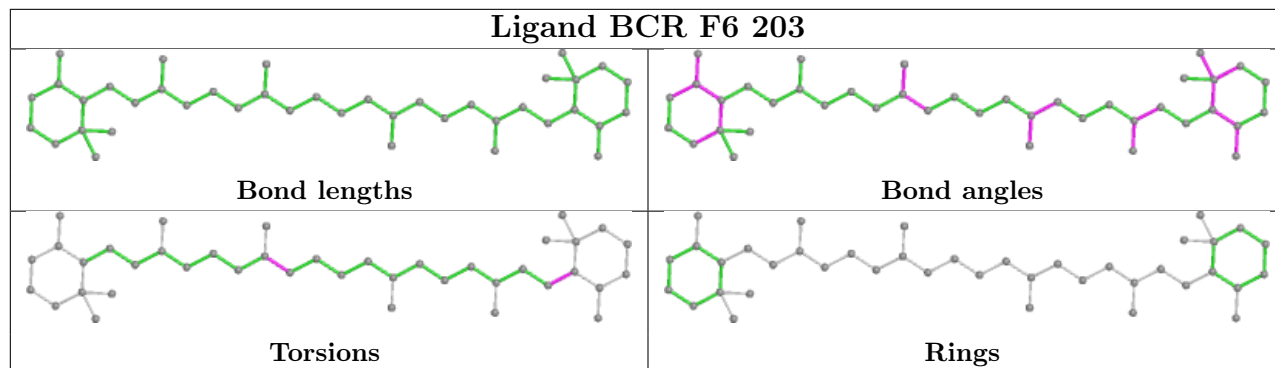
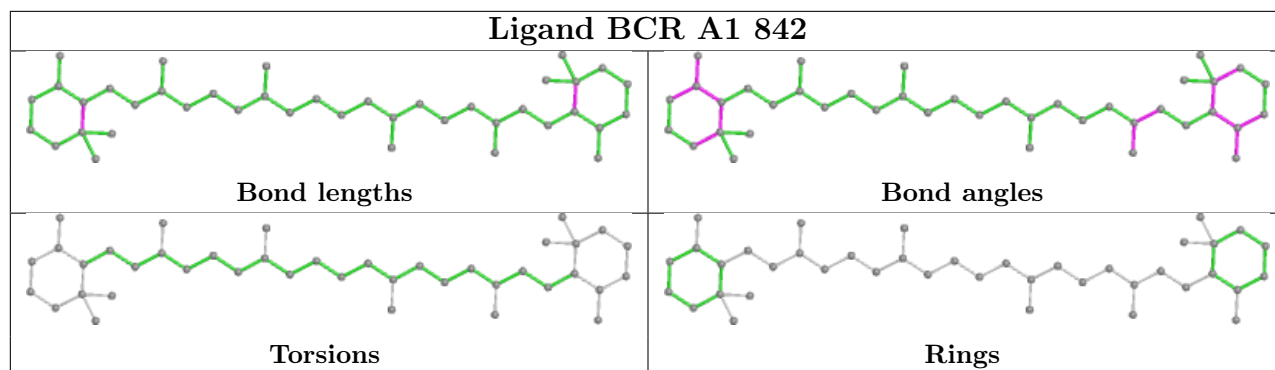


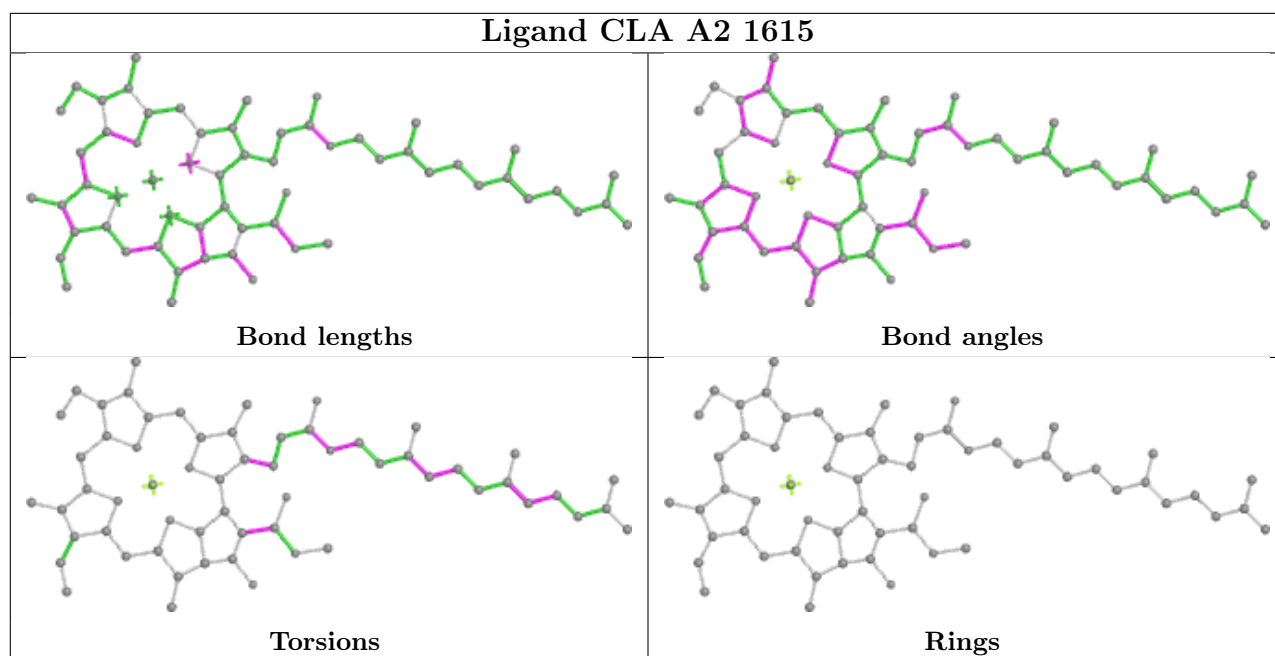
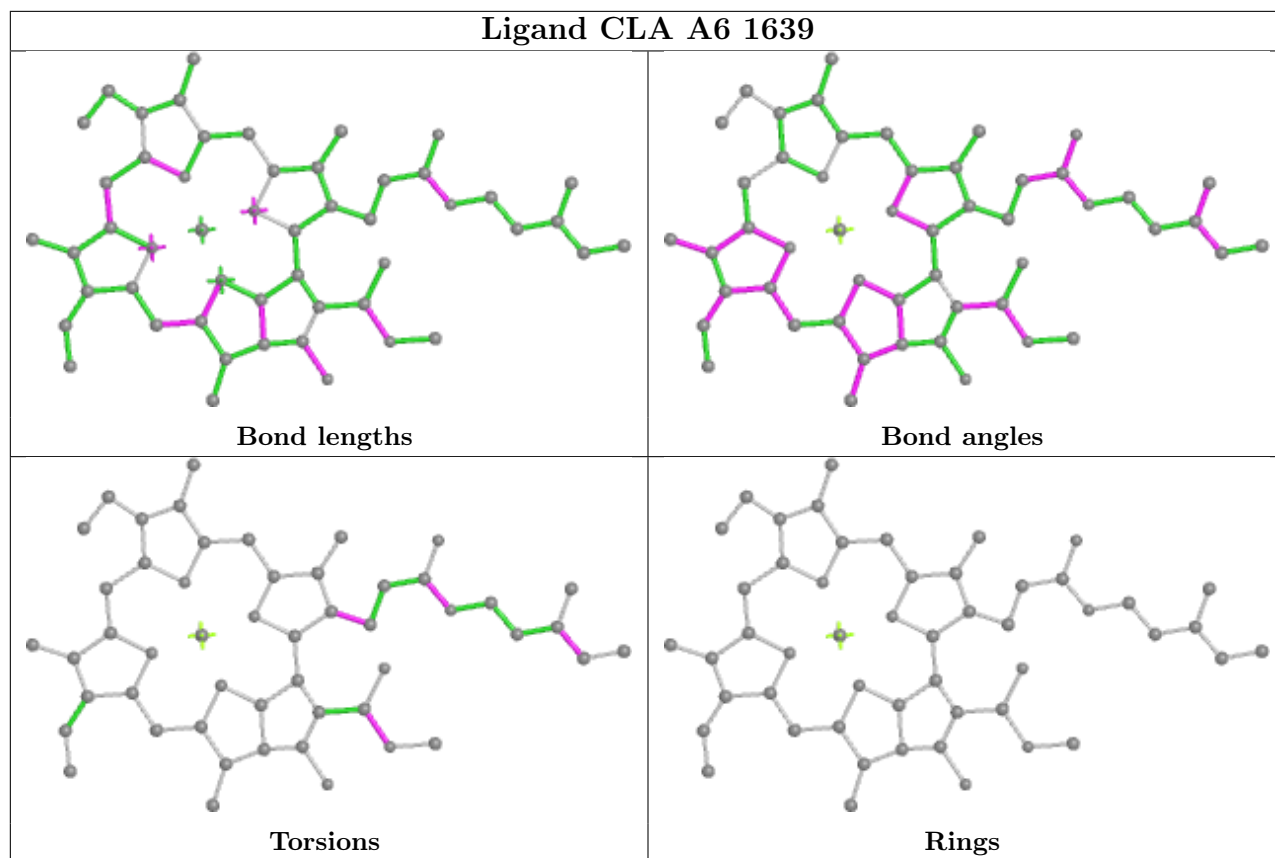


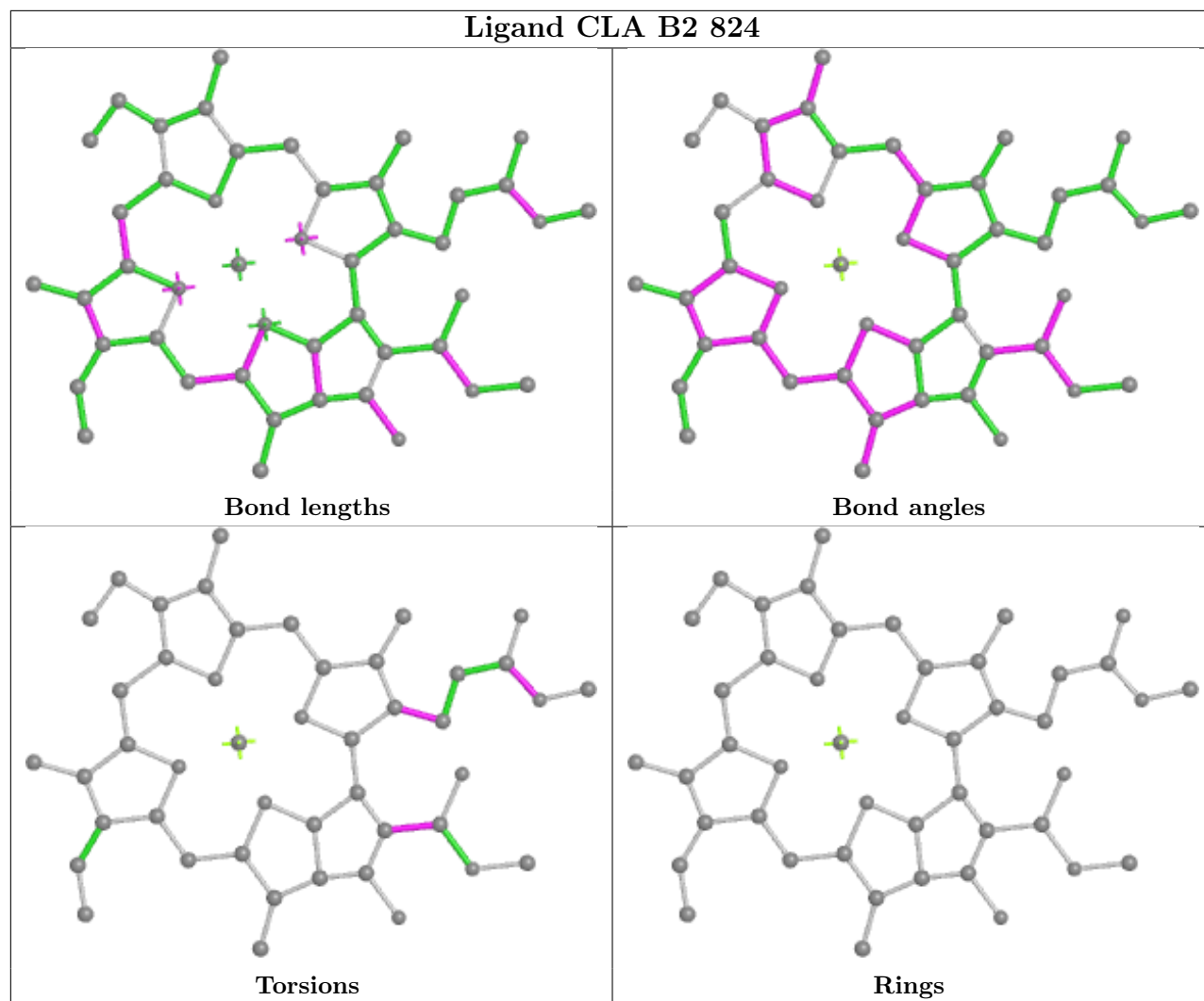


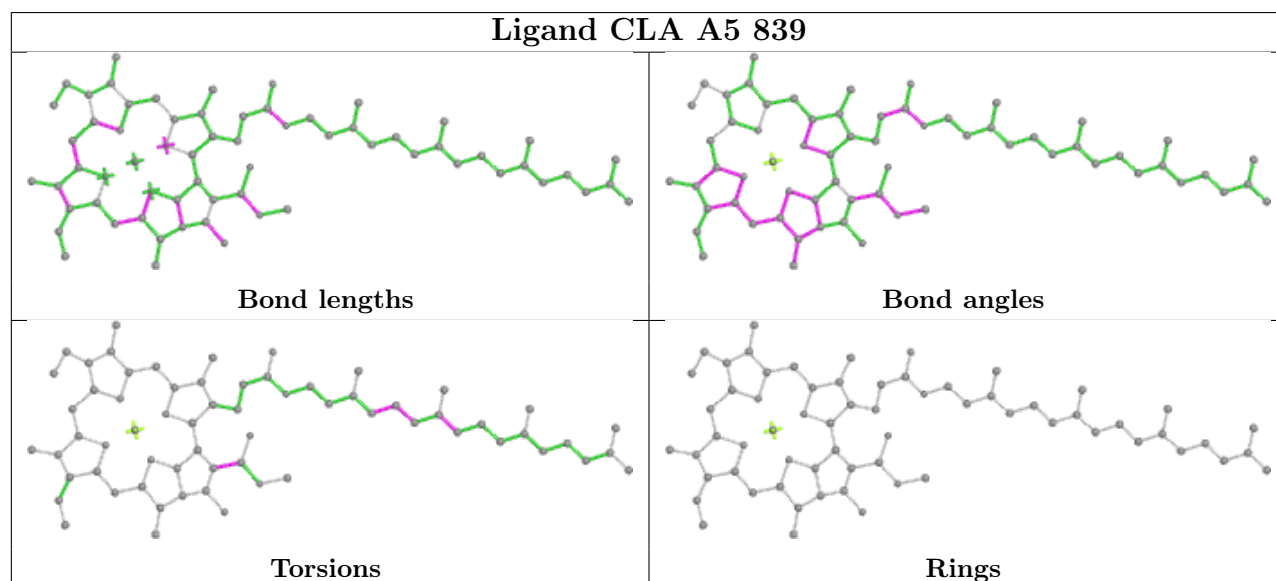
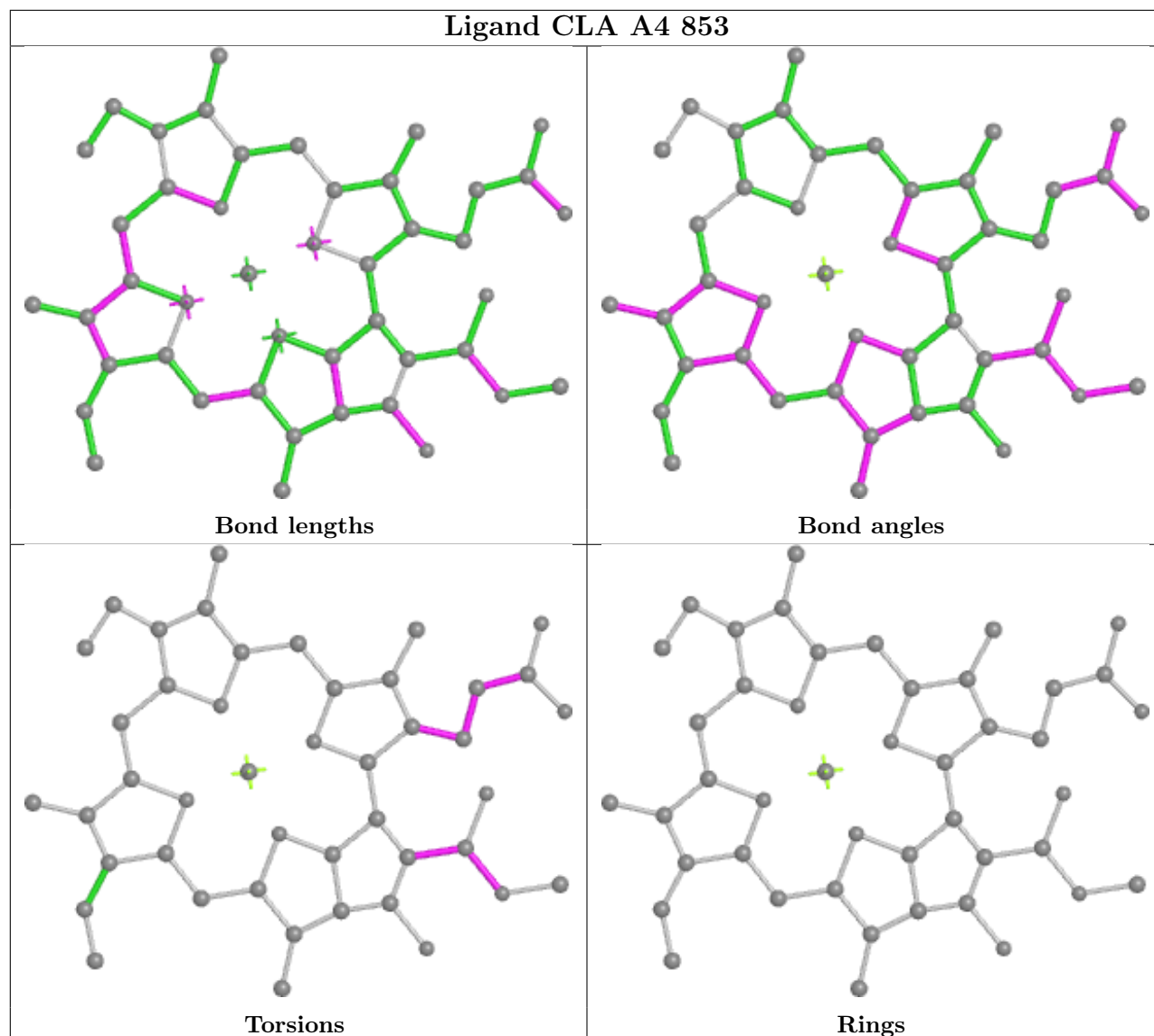


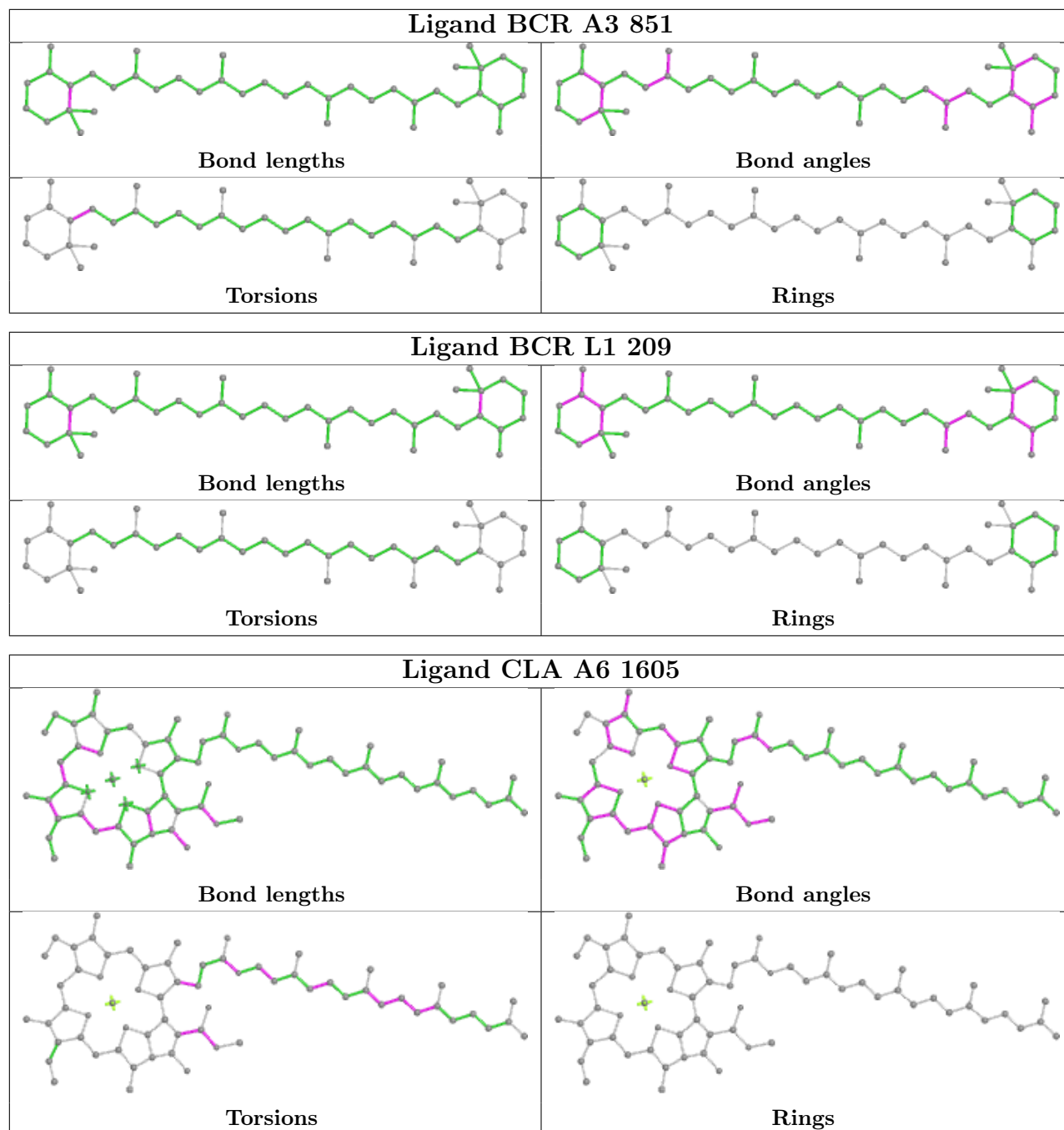




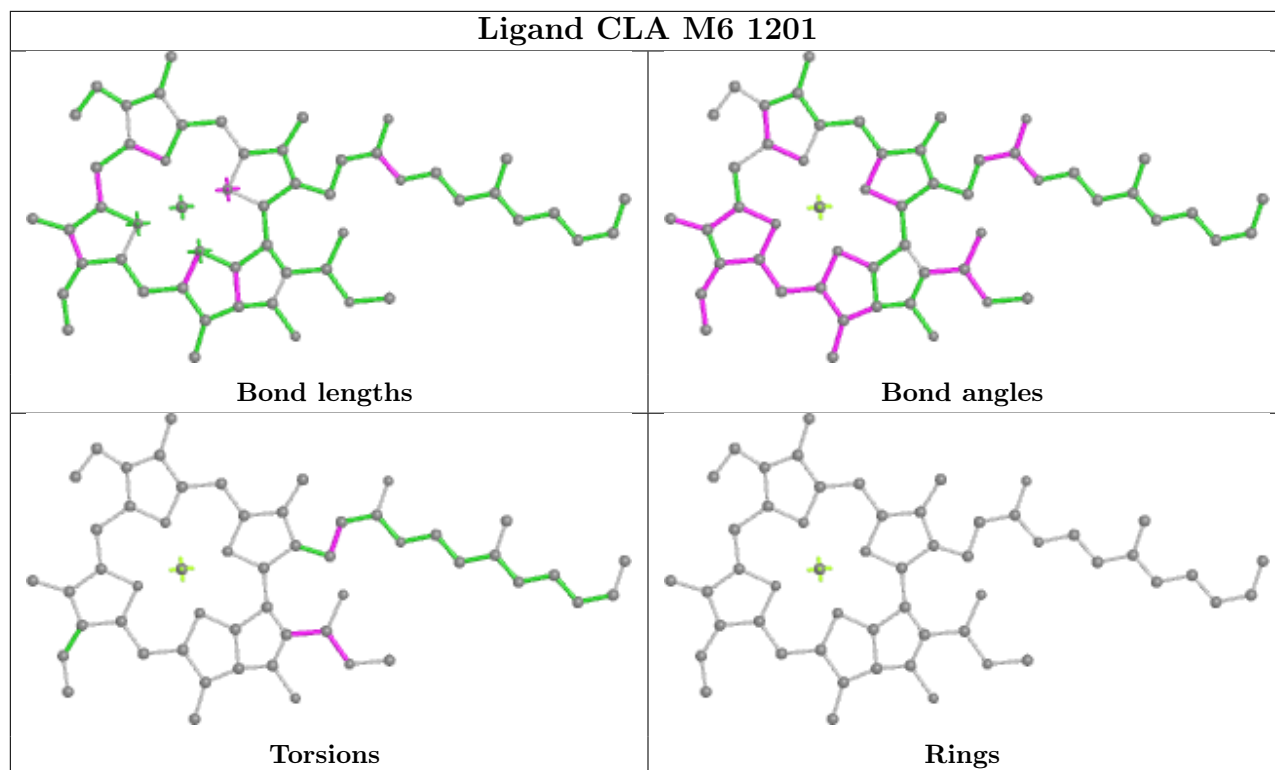


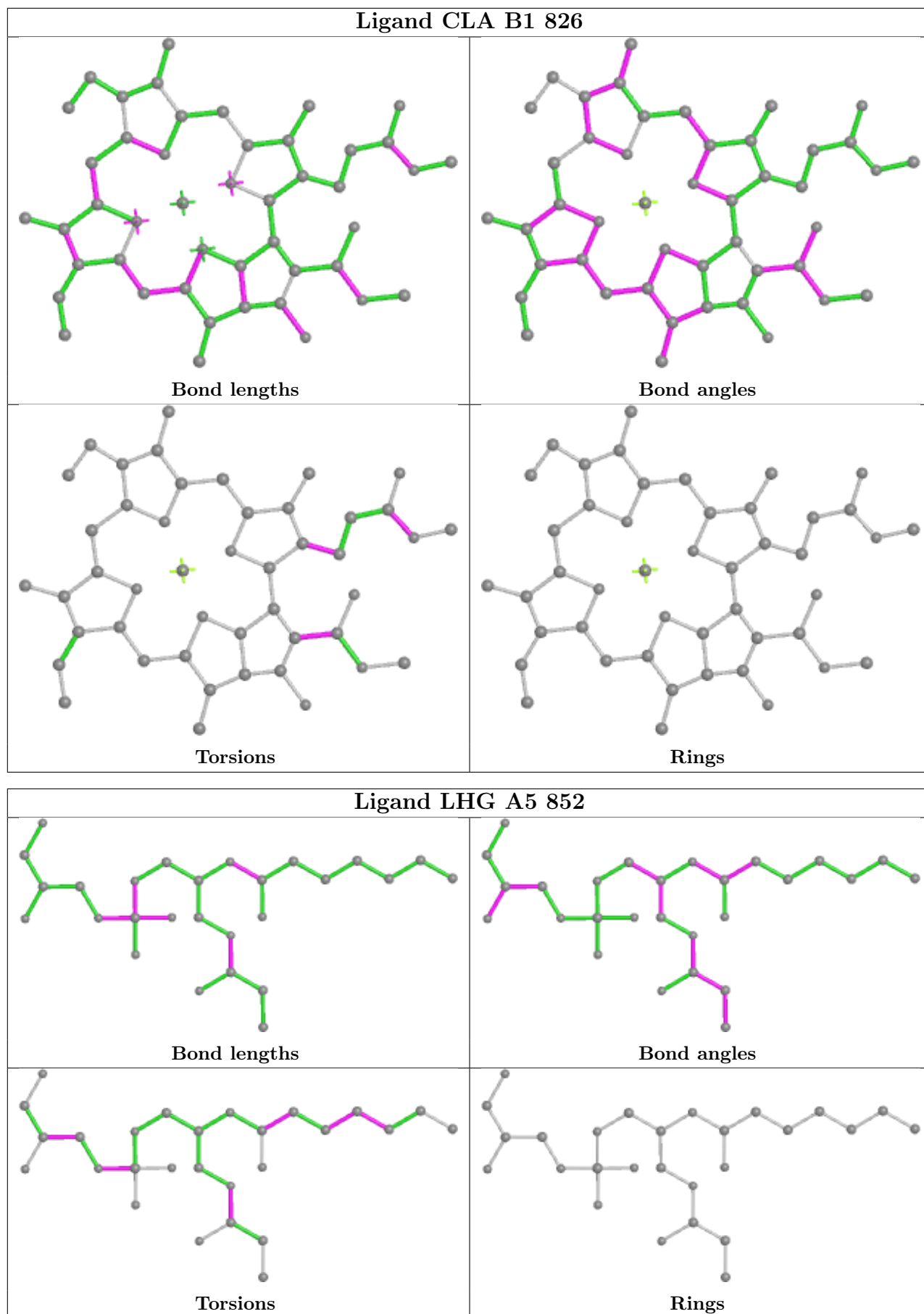


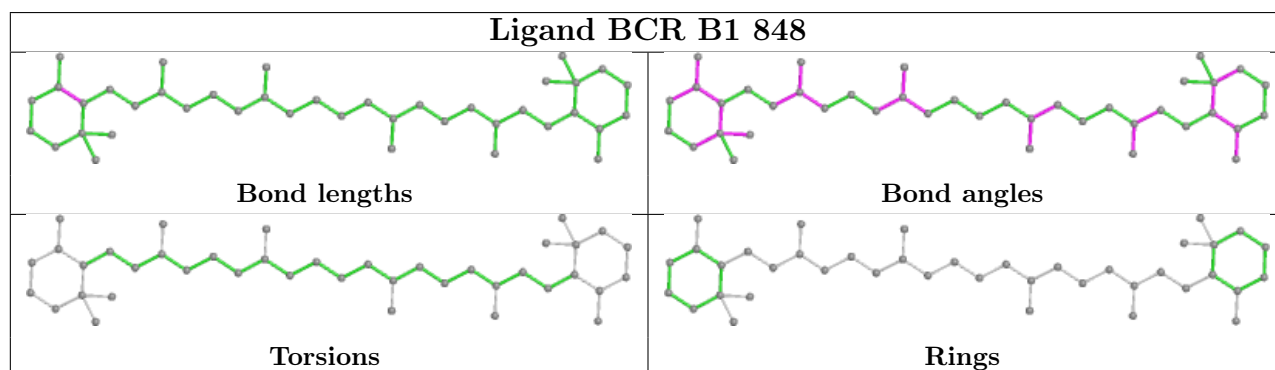
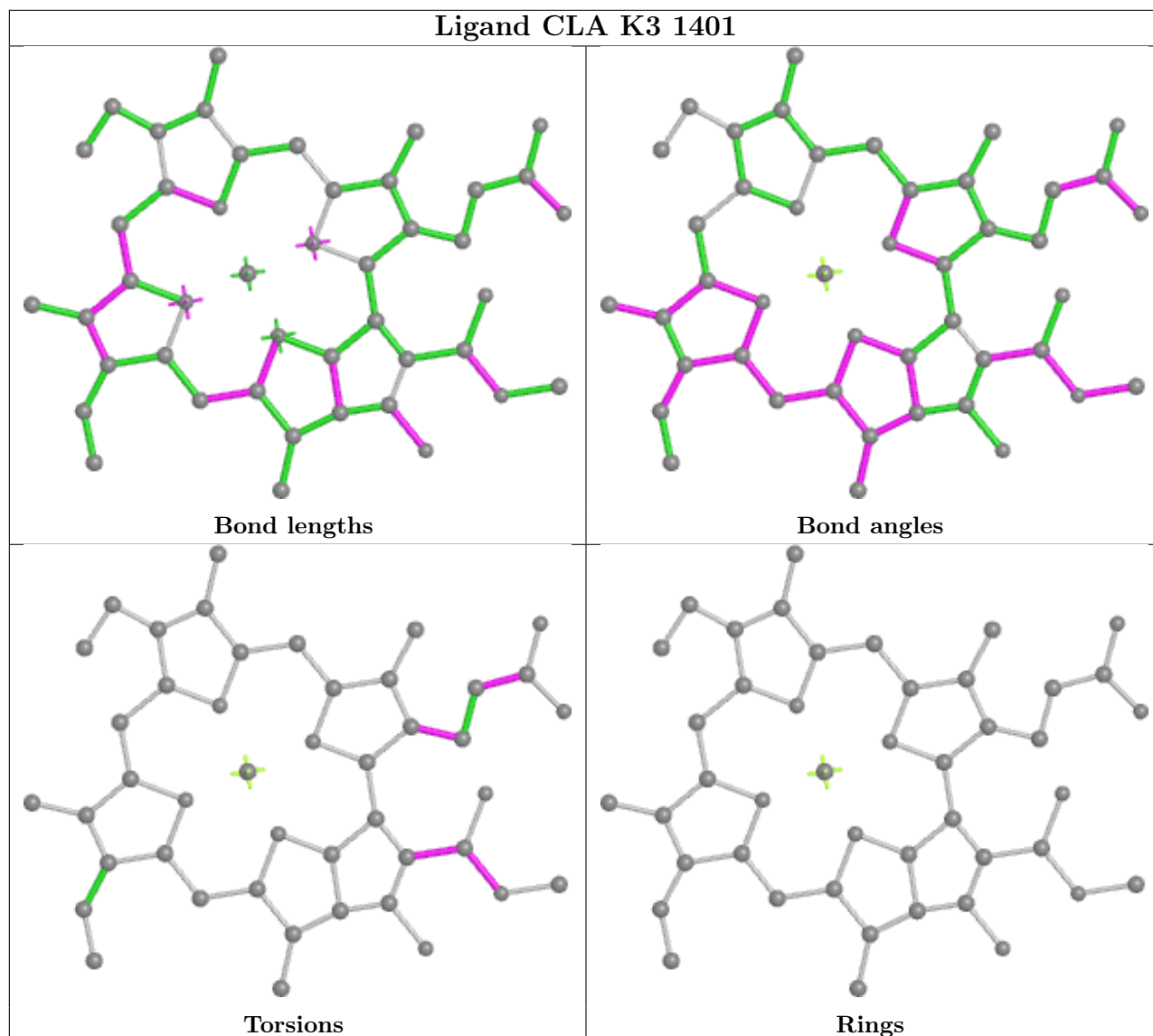


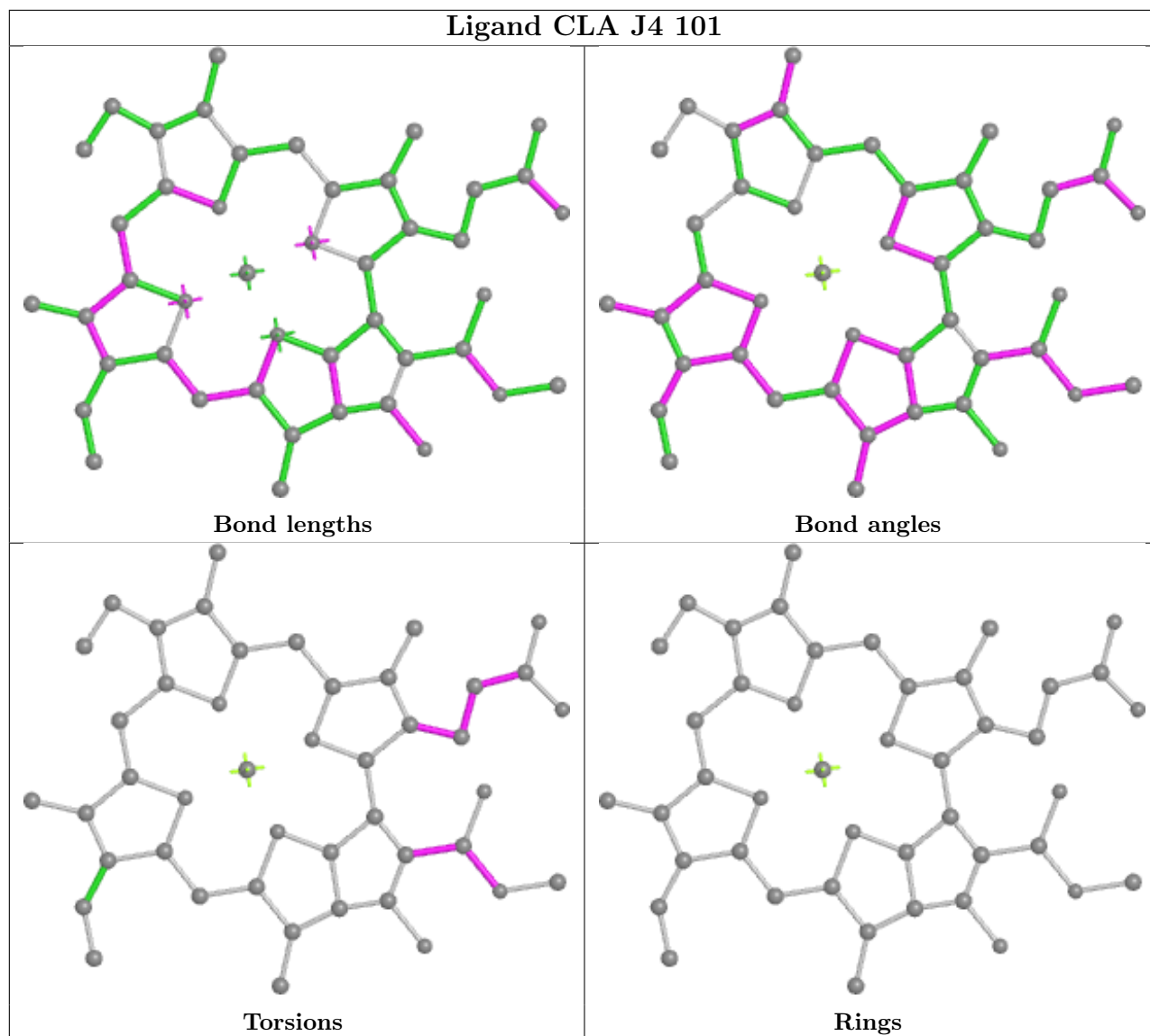
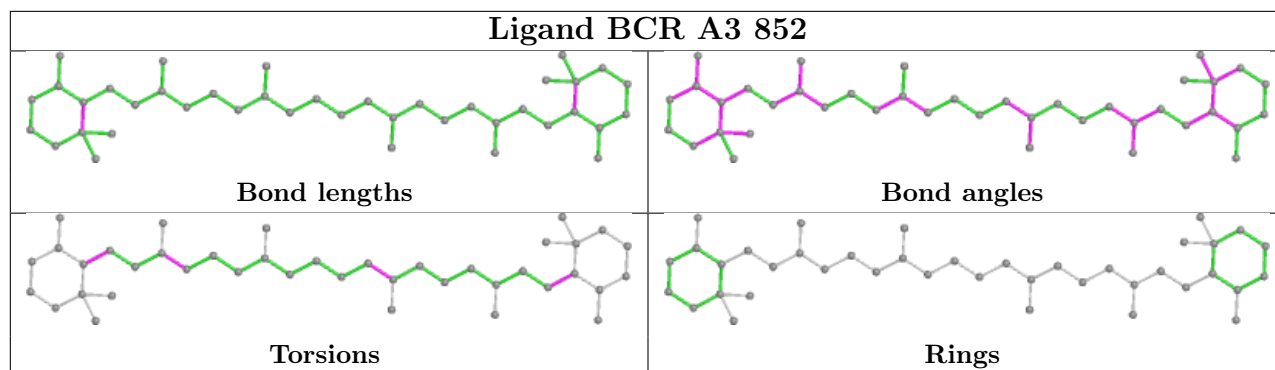


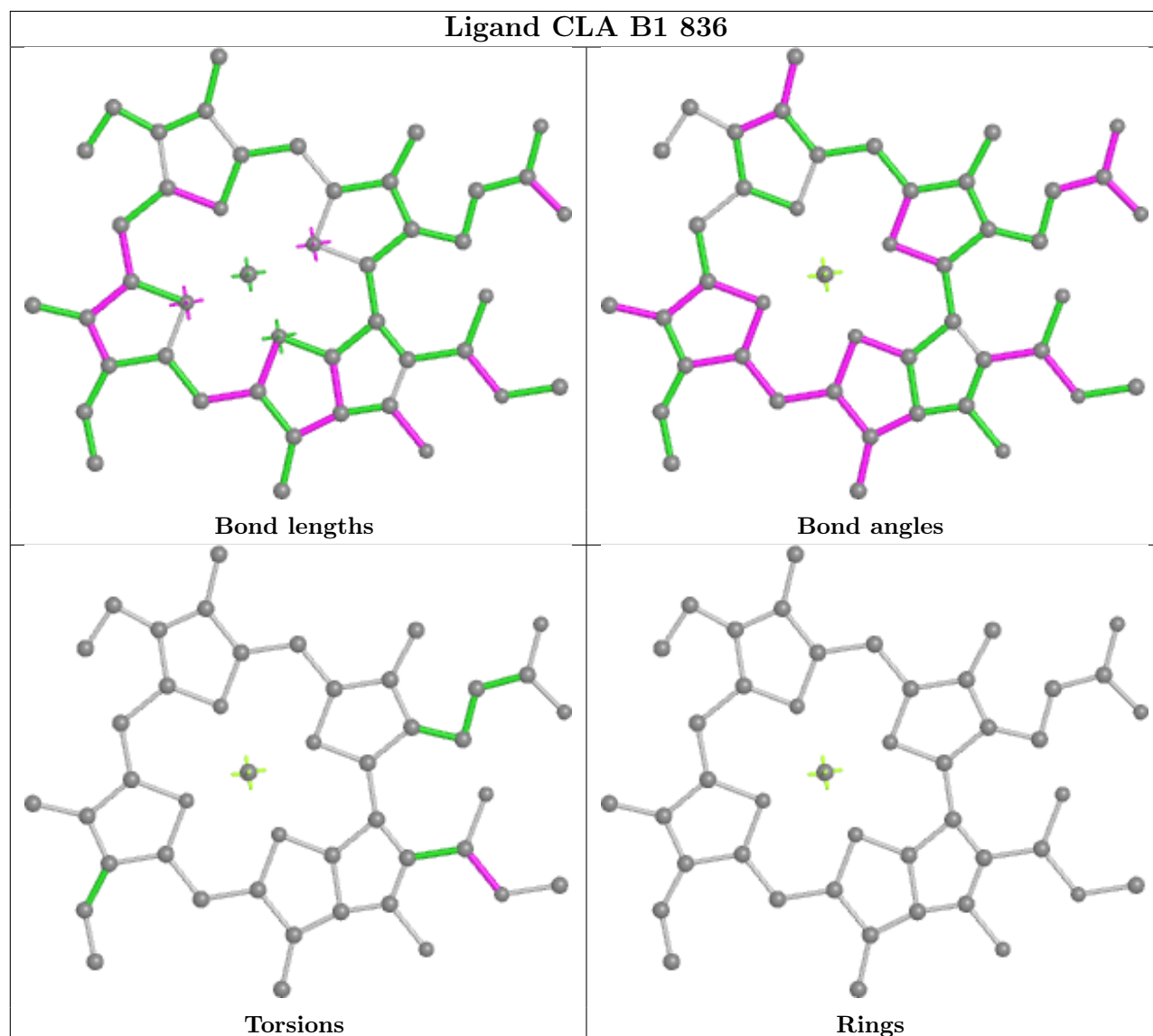
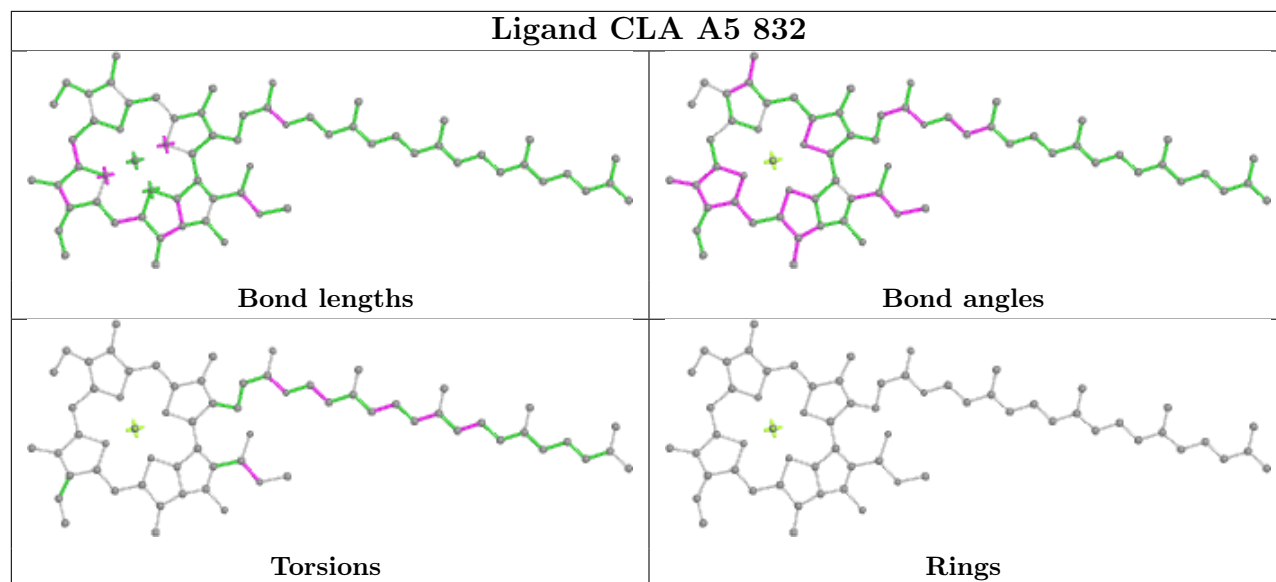


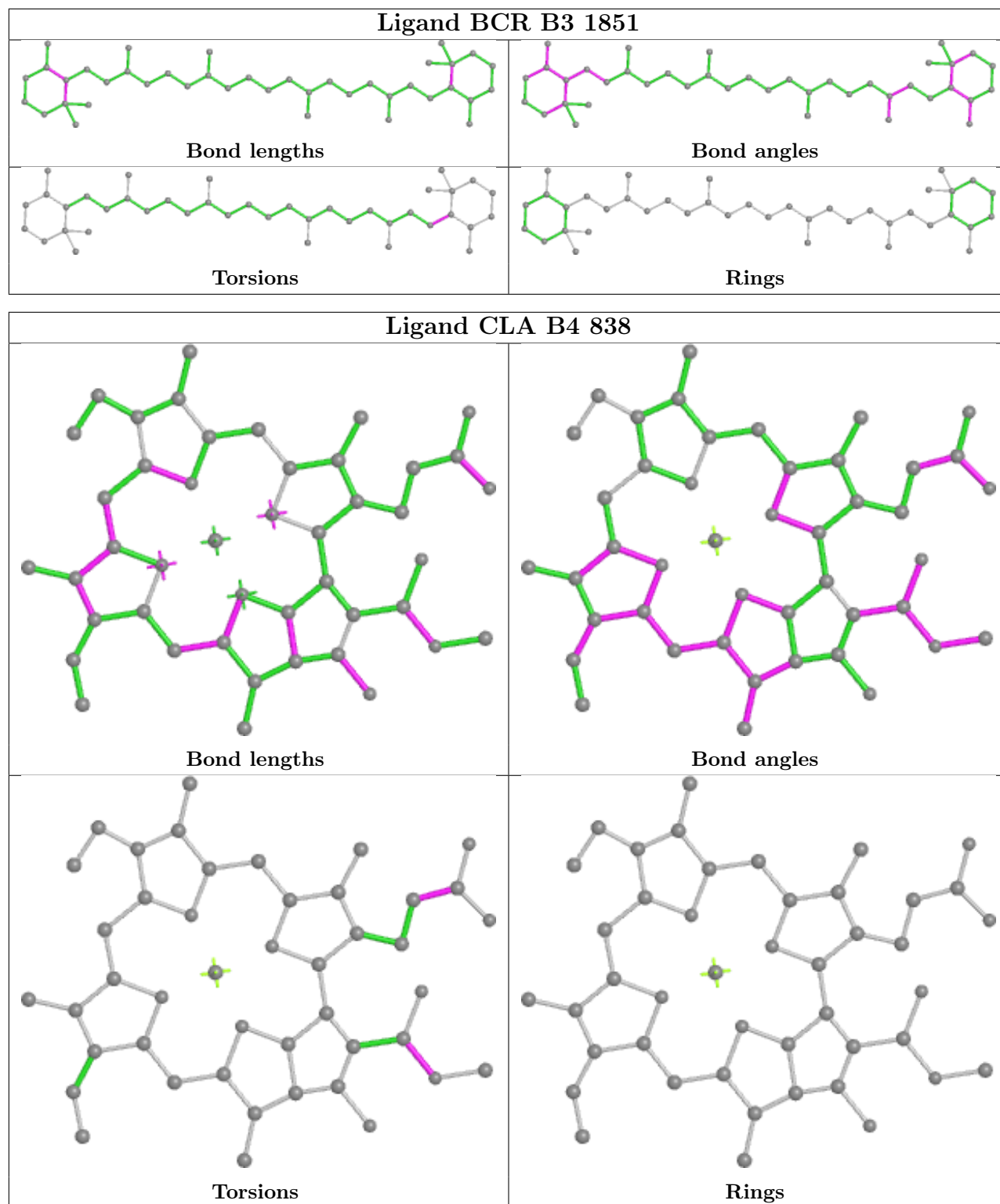












## 5.7 Other polymers [i](#)

There are no such residues in this entry.

## 5.8 Polymer linkage issues

There are no chain breaks in this entry.

## 6 Fit of model and data [i](#)

### 6.1 Protein, DNA and RNA chains [i](#)

In the following table, the column labelled '#RSRZ > 2' contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 95<sup>th</sup> percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled 'Q < 0.9' lists the number of (and percentage) of residues with an average occupancy less than 0.9.

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å <sup>2</sup> )	Q<0.9
1	A1	740/755 (98%)	0.68	92 (12%) 4 5	150, 166, 177, 185	0
1	A2	740/755 (98%)	0.20	41 (5%) 25 21	150, 161, 172, 180	0
1	A3	740/755 (98%)	0.19	30 (4%) 37 30	150, 157, 168, 179	0
1	A4	740/755 (98%)	0.27	61 (8%) 11 10	150, 166, 178, 187	0
1	A5	740/755 (98%)	0.18	34 (4%) 32 27	150, 160, 171, 179	0
1	A6	740/755 (98%)	0.22	28 (3%) 40 32	150, 159, 169, 180	0
2	B1	739/740 (99%)	0.40	58 (7%) 13 11	150, 165, 176, 187	0
2	B2	739/740 (99%)	-0.01	12 (1%) 72 62	150, 159, 171, 179	0
2	B3	739/740 (99%)	0.09	17 (2%) 60 51	150, 160, 171, 184	0
2	B4	739/740 (99%)	0.10	19 (2%) 56 45	150, 163, 174, 182	0
2	B5	739/740 (99%)	0.26	36 (4%) 29 25	150, 161, 173, 181	0
2	B6	739/740 (99%)	0.10	20 (2%) 54 44	150, 161, 172, 180	0
3	C1	80/80 (100%)	1.12	22 (27%) 0 1	153, 166, 178, 182	0
3	C2	80/80 (100%)	0.15	1 (1%) 77 68	150, 159, 167, 172	0
3	C3	80/80 (100%)	0.36	5 (6%) 20 16	150, 159, 169, 175	0
3	C4	80/80 (100%)	0.49	7 (8%) 10 9	150, 163, 172, 180	0
3	C5	80/80 (100%)	0.75	13 (16%) 1 2	150, 161, 170, 173	0
3	C6	80/80 (100%)	0.38	6 (7%) 14 12	150, 160, 171, 178	0
4	D1	138/138 (100%)	0.28	10 (7%) 15 13	151, 163, 172, 179	0
4	D2	138/138 (100%)	-0.11	2 (1%) 75 65	151, 161, 171, 180	0
4	D3	138/138 (100%)	-0.17	1 (0%) 87 82	150, 160, 170, 173	0
4	D4	138/138 (100%)	-0.15	3 (2%) 62 52	151, 165, 174, 185	0
4	D5	138/138 (100%)	0.28	12 (8%) 10 9	151, 162, 171, 178	0
4	D6	138/138 (100%)	0.19	6 (4%) 35 29	152, 162, 174, 180	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å <sup>2</sup> )	Q<0.9
5	E1	69/75 (92%)	1.23	19 (27%) 0 1	160, 170, 179, 184	0
5	E2	69/75 (92%)	0.43	7 (10%) 7 7	154, 164, 173, 178	0
5	E3	69/75 (92%)	0.16	4 (5%) 23 19	150, 162, 170, 175	0
5	E4	69/75 (92%)	0.69	14 (20%) 1 1	157, 170, 179, 182	0
5	E5	69/75 (92%)	0.62	8 (11%) 4 5	154, 167, 176, 179	0
5	E6	69/75 (92%)	0.86	10 (14%) 2 3	151, 165, 173, 178	0
6	F1	141/164 (85%)	1.01	26 (18%) 1 2	157, 171, 179, 184	0
6	F2	141/164 (85%)	0.12	4 (2%) 53 42	155, 168, 177, 181	0
6	F3	141/164 (85%)	0.39	10 (7%) 16 13	152, 165, 176, 179	0
6	F4	141/164 (85%)	0.59	18 (12%) 3 4	154, 170, 179, 187	0
6	F5	141/164 (85%)	0.18	8 (5%) 23 20	152, 166, 175, 185	0
6	F6	141/164 (85%)	0.32	13 (9%) 9 8	153, 166, 174, 182	0
7	I1	38/38 (100%)	0.02	0 100 100	150, 157, 166, 169	0
7	I2	38/38 (100%)	0.20	1 (2%) 56 45	150, 155, 166, 168	0
7	I3	38/38 (100%)	-0.07	0 100 100	150, 153, 163, 167	0
7	I4	38/38 (100%)	0.17	0 100 100	150, 156, 164, 169	0
7	I5	38/38 (100%)	0.10	0 100 100	150, 156, 165, 170	0
7	I6	38/38 (100%)	0.04	0 100 100	150, 154, 172, 172	0
8	J1	41/41 (100%)	0.26	5 (12%) 4 5	158, 170, 179, 184	0
8	J2	41/41 (100%)	0.27	2 (4%) 29 25	156, 166, 175, 185	0
8	J3	41/41 (100%)	0.18	2 (4%) 29 25	156, 165, 173, 178	0
8	J4	41/41 (100%)	0.76	5 (12%) 4 5	159, 170, 177, 185	0
8	J5	41/41 (100%)	0.24	1 (2%) 59 49	153, 166, 177, 179	0
8	J6	41/41 (100%)	-0.26	0 100 100	155, 164, 175, 179	0
9	K1	46/83 (55%)	-0.02	3 (6%) 18 15	151, 172, 184, 190	0
9	K2	46/83 (55%)	-0.55	0 100 100	155, 166, 173, 183	0
9	K3	46/83 (55%)	-0.15	3 (6%) 18 15	150, 163, 173, 180	0
9	K4	46/83 (55%)	-0.22	0 100 100	158, 175, 182, 184	0
9	K5	46/83 (55%)	-0.08	4 (8%) 10 9	156, 167, 178, 184	0
9	K6	46/83 (55%)	-0.32	3 (6%) 18 15	151, 162, 173, 179	0
10	L1	151/154 (98%)	0.23	5 (3%) 46 37	150, 154, 169, 180	0

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Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å <sup>2</sup> )	Q<0.9
10	L2	151/154 (98%)	0.30	5 (3%) 46 37	150, 155, 167, 174	0
10	L3	151/154 (98%)	0.16	2 (1%) 77 68	150, 155, 166, 171	0
10	L4	151/154 (98%)	0.28	2 (1%) 77 68	150, 156, 172, 185	0
10	L5	151/154 (98%)	0.15	1 (0%) 87 82	150, 156, 166, 177	0
10	L6	151/154 (98%)	0.26	2 (1%) 77 68	150, 154, 170, 178	0
11	M1	31/31 (100%)	-0.08	0 100 100	150, 160, 173, 177	0
11	M2	31/31 (100%)	-0.05	1 (3%) 47 37	151, 157, 167, 173	0
11	M3	31/31 (100%)	-0.13	1 (3%) 47 37	151, 160, 169, 172	0
11	M4	31/31 (100%)	0.14	1 (3%) 47 37	150, 160, 166, 171	0
11	M5	31/31 (100%)	-0.14	0 100 100	150, 158, 166, 170	0
11	M6	31/31 (100%)	-0.12	0 100 100	150, 160, 169, 171	0
12	X1	29/35 (82%)	0.81	3 (10%) 6 7	165, 172, 183, 185	0
12	X2	29/35 (82%)	-0.48	1 (3%) 45 36	156, 166, 173, 176	0
12	X3	29/35 (82%)	0.25	3 (10%) 6 7	154, 165, 176, 186	0
12	X4	29/35 (82%)	0.01	2 (6%) 16 13	159, 169, 181, 187	0
12	X5	29/35 (82%)	-0.08	0 100 100	153, 166, 179, 185	0
12	X6	29/35 (82%)	-0.16	2 (6%) 16 13	158, 166, 174, 178	0
13	P1	97/97 (100%)	1.02	18 (18%) 1 2	156, 171, 180, 185	2 (2%)
13	P2	97/97 (100%)	0.53	14 (14%) 2 3	153, 169, 179, 185	2 (2%)
13	P3	97/97 (100%)	0.37	6 (6%) 20 17	151, 163, 172, 177	2 (2%)
13	P4	97/97 (100%)	0.13	5 (5%) 27 23	156, 171, 180, 186	2 (2%)
13	P5	97/97 (100%)	0.65	13 (13%) 3 4	153, 170, 181, 187	2 (2%)
13	P6	97/97 (100%)	0.09	2 (2%) 63 54	153, 164, 175, 179	2 (2%)
All	All	14040/14586 (96%)	0.24	795 (5%) 23 20	150, 162, 175, 190	12 (0%)

All (795) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
2	B4	571	GLY	9.5
1	A1	40	ARG	8.0
2	B4	572	GLY	7.9
6	F1	50	HIS	7.6
2	B4	570	ARG	6.9
6	F4	3	ALA	6.8

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>RSRZ</b>
1	A1	36	ARG	6.7
6	F1	25	THR	6.7
1	A6	43	GLN	6.7
4	D1	1	THR	6.6
13	P1	60	SER	6.6
1	A4	43	GLN	6.4
5	E4	52	ALA	6.4
5	E1	46	THR	6.3
2	B1	512	ASN	6.3
6	F6	1	ASP	6.3
1	A1	37	THR	6.3
2	B1	307	LYS	6.2
1	A1	692	SER	6.0
1	A1	379	PRO	5.9
1	A4	574	PHE	5.9
6	F4	1	ASP	5.8
1	A2	50	ASN	5.7
5	E4	45	TYR	5.7
6	F1	24	THR	5.7
5	E4	53	SER	5.6
2	B5	572	GLY	5.6
1	A4	719	PRO	5.5
2	B4	573	THR	5.5
2	B1	259	GLY	5.5
1	A4	585	GLY	5.4
1	A1	573	GLY	5.4
5	E1	45	TYR	5.4
6	F1	49	PRO	5.3
5	E5	31	GLY	5.3
1	A4	720	ARG	5.3
1	A1	191	GLN	5.2
1	A1	13	ARG	5.1
2	B1	570	ARG	5.1
13	P1	1	ALA	5.1
1	A4	575	ARG	5.1
13	P5	36	LEU	5.0
5	E4	47	GLY	5.0
2	B1	453	GLU	5.0
1	A4	718	GLN	4.9
11	M4	31	LYS	4.9
1	A1	571	ASN	4.9
1	A4	693	GLY	4.9

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>RSRZ</b>
12	X3	7	PRO	4.9
5	E4	54	GLY	4.9
1	A1	39	ALA	4.8
5	E1	53	SER	4.8
5	E1	52	ALA	4.8
6	F1	26	ALA	4.7
1	A6	40	ARG	4.7
1	A1	561	ARG	4.7
2	B4	569	GLY	4.7
1	A1	417	VAL	4.6
4	D5	26	LYS	4.6
13	P2	67	ASP	4.6
5	E4	46	THR	4.6
1	A4	571	ASN	4.6
6	F1	44	GLY	4.6
1	A4	159	TYR	4.5
1	A4	579	ASP	4.5
5	E4	51	SER	4.5
1	A4	573	GLY	4.5
6	F5	58	SER	4.5
6	F3	3	ALA	4.5
6	F2	1	ASP	4.5
3	C1	49	GLY	4.5
2	B5	477	PHE	4.5
1	A1	721	ALA	4.5
5	E1	55	VAL	4.5
2	B1	85	PRO	4.4
13	P5	22	ASP	4.4
6	F6	2	VAL	4.4
1	A4	694	ARG	4.3
13	P2	32	GLN	4.3
13	P1	61	ASP	4.3
1	A5	719	PRO	4.3
1	A1	416	MET	4.3
2	B1	408	GLY	4.3
1	A4	576	PHE	4.2
1	A3	40	ARG	4.2
6	F1	45	GLU	4.2
6	F1	46	ASP	4.2
6	F4	2	VAL	4.2
3	C5	80	TYR	4.2
1	A1	728	ARG	4.2

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>RSRZ</b>
2	B1	520	PRO	4.2
1	A4	40	ARG	4.2
2	B1	485	ASP	4.1
12	X3	8	THR	4.1
1	A4	590	SER	4.1
6	F4	27	ASP	4.1
1	A1	316	ARG	4.1
1	A4	572	LEU	4.1
6	F1	95	ASN	4.1
13	P5	95	GLU	4.1
6	F1	37	ARG	4.1
5	E4	48	TYR	4.1
5	E2	52	ALA	4.1
2	B1	406	ASN	4.0
2	B6	479	THR	4.0
5	E1	31	GLY	4.0
1	A1	283	GLY	4.0
1	A1	346	GLU	4.0
1	A1	317	THR	4.0
2	B1	484	PRO	4.0
5	E1	54	GLY	4.0
1	A1	426	GLN	4.0
6	F1	2	VAL	4.0
13	P1	58	ASP	4.0
12	X6	35	ALA	3.9
8	J4	25	ILE	3.9
2	B1	572	GLY	3.9
2	B2	548	ARG	3.9
2	B2	406	ASN	3.9
5	E6	30	PRO	3.9
3	C1	12	GLY	3.9
5	E3	54	GLY	3.9
1	A4	59	ASP	3.9
9	K5	41	PRO	3.9
6	F4	95	ASN	3.9
6	F5	1	ASP	3.8
1	A4	592	TRP	3.8
1	A4	228	ASP	3.8
2	B1	569	GLY	3.8
5	E2	53	SER	3.8
2	B5	510	GLY	3.8
6	F6	141	ARG	3.8

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>RSRZ</b>
5	E6	29	THR	3.8
2	B5	475	TYR	3.8
4	D3	1	THR	3.7
6	F6	3	ALA	3.7
3	C1	68	LEU	3.7
5	E2	32	VAL	3.7
10	L2	72	ASP	3.7
6	F4	4	GLY	3.7
2	B5	609	GLU	3.7
13	P1	7	LEU	3.7
5	E5	52	ALA	3.7
1	A1	694	ARG	3.7
1	A1	698	GLN	3.7
6	F6	5	LEU	3.7
2	B4	218	PRO	3.7
2	B4	566	ASP	3.6
1	A1	348	LEU	3.6
9	K5	42	GLY	3.6
5	E4	50	GLY	3.6
1	A6	278	PHE	3.6
3	C1	64	ILE	3.6
1	A1	735	TYR	3.6
5	E6	1	VAL	3.6
2	B6	405	GLN	3.6
3	C5	62	LEU	3.6
6	F1	51	LEU	3.6
13	P4	63	SER	3.6
1	A2	36	ARG	3.6
8	J1	40	PRO	3.5
1	A6	692	SER	3.5
1	A2	237	PRO	3.5
1	A4	31	PRO	3.5
1	A2	31	PRO	3.5
3	C6	2	HIS	3.5
1	A3	37	THR	3.5
5	E4	43	VAL	3.5
1	A4	569	LYS	3.4
5	E6	45	TYR	3.4
1	A6	37	THR	3.4
3	C5	32	GLY	3.4
6	F5	2	VAL	3.4
9	K6	39	LYS	3.4

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>RSRZ</b>
2	B5	291	ARG	3.4
1	A1	347	VAL	3.4
1	A4	696	TYR	3.4
6	F1	47	GLY	3.4
4	D1	42	PRO	3.4
13	P1	59	GLN	3.4
1	A3	316	ARG	3.4
1	A4	591	GLY	3.4
1	A1	572	LEU	3.4
2	B6	477	PHE	3.3
1	A4	583	ARG	3.3
1	A2	49	TRP	3.3
1	A4	581	PRO	3.3
1	A1	279	LEU	3.3
12	X1	33	ALA	3.3
13	P2	36	LEU	3.3
1	A1	14	VAL	3.3
1	A1	261	PHE	3.3
4	D5	25	GLU	3.3
5	E2	33	LYS	3.3
1	A3	244	LEU	3.3
1	A6	41	GLY	3.3
1	A2	114	ALA	3.3
2	B3	477	PHE	3.3
2	B1	479	THR	3.3
1	A4	728	ARG	3.3
1	A1	63	SER	3.3
1	A4	44	THR	3.3
12	X6	7	PRO	3.3
2	B3	313	LYS	3.3
5	E5	33	LYS	3.3
1	A1	591	GLY	3.2
2	B1	306	ALA	3.2
1	A1	38	LEU	3.2
1	A1	568	ASP	3.2
1	A1	598	GLY	3.2
1	A4	671	ALA	3.2
2	B1	318	PHE	3.2
1	A4	692	SER	3.2
2	B6	247	GLN	3.2
1	A1	350	THR	3.2
4	D1	2	THR	3.2

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>RSRZ</b>
5	E4	49	SER	3.2
6	F1	9	LYS	3.2
1	A2	37	THR	3.2
6	F1	38	TYR	3.2
1	A1	74	SER	3.2
2	B2	418	LYS	3.2
1	A4	586	THR	3.2
1	A5	191	GLN	3.2
3	C1	39	ALA	3.2
1	A3	96	LYS	3.2
1	A5	561	ARG	3.2
2	B2	407	LYS	3.2
2	B1	521	GLY	3.2
6	F1	141	ARG	3.1
3	C5	78	LEU	3.1
8	J3	41	LEU	3.1
1	A1	318	ASN	3.1
1	A2	40	ARG	3.1
1	A2	692	SER	3.1
1	A2	727	GLY	3.1
2	B1	454	LYS	3.1
1	A1	722	LEU	3.1
2	B1	228	ASN	3.1
3	C5	7	TYR	3.1
8	J1	35	ASP	3.1
4	D5	12	GLY	3.1
8	J1	41	LEU	3.1
3	C6	71	GLU	3.1
1	A1	187	LEU	3.1
2	B1	258	GLY	3.1
1	A4	504	ASN	3.1
13	P6	32	GLN	3.1
13	P5	88	ILE	3.1
5	E3	53	SER	3.1
4	D1	40	GLU	3.1
3	C1	60	ASP	3.1
1	A3	284	GLY	3.1
1	A6	379	PRO	3.1
6	F3	137	THR	3.1
9	K1	39	LYS	3.1
1	A6	499	GLY	3.1
2	B5	418	LYS	3.1

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>RSRZ</b>
2	B3	233	ALA	3.1
2	B3	258	GLY	3.1
5	E1	44	ASN	3.1
1	A1	41	GLY	3.0
1	A3	720	ARG	3.0
2	B1	551	LYS	3.0
13	P2	38	PHE	3.0
1	A2	142	GLY	3.0
13	P2	66	ASP	3.0
1	A5	693	GLY	3.0
5	E1	3	ARG	3.0
2	B3	472	LYS	3.0
5	E1	23	VAL	3.0
8	J1	33	TYR	3.0
2	B6	548	ARG	3.0
2	B1	313	LYS	3.0
2	B3	307	LYS	3.0
4	D5	108	GLY	3.0
1	A2	352	TRP	3.0
6	F6	96	GLU	3.0
2	B1	314	VAL	3.0
1	A6	588	GLN	3.0
3	C1	48	VAL	3.0
6	F1	3	ALA	3.0
6	F1	34	ARG	3.0
1	A1	193	VAL	3.0
2	B1	252	ALA	3.0
1	A3	379	PRO	3.0
1	A2	278	PHE	3.0
1	A3	317	THR	3.0
5	E3	55	VAL	3.0
1	A2	54	LEU	3.0
1	A2	392	SER	2.9
1	A4	716	ALA	2.9
2	B5	306	ALA	2.9
1	A1	560	ALA	2.9
3	C5	79	ALA	2.9
6	F1	40	GLN	2.9
13	P1	15	THR	2.9
1	A4	229	ALA	2.9
6	F1	27	ASP	2.9
1	A3	588	GLN	2.9

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>RSRZ</b>
1	A5	14	VAL	2.9
4	D5	13	SER	2.9
1	A1	683	TRP	2.9
1	A4	721	ALA	2.9
1	A1	562	SER	2.9
2	B3	475	TYR	2.9
3	C1	61	PHE	2.9
1	A1	737	LEU	2.9
2	B1	483	ASN	2.9
2	B3	239	ALA	2.9
2	B3	257	LEU	2.9
6	F4	5	LEU	2.9
6	F3	141	ARG	2.9
2	B1	477	PHE	2.9
3	C1	2	HIS	2.9
6	F3	134	ASN	2.9
2	B3	300	ILE	2.9
3	C1	38	ILE	2.9
6	F6	140	PRO	2.9
5	E6	27	ASP	2.9
2	B6	333	LEU	2.9
2	B5	570	ARG	2.9
12	X1	32	ALA	2.9
13	P5	14	GLU	2.9
1	A3	243	ILE	2.9
2	B3	708	ILE	2.9
6	F5	3	ALA	2.9
2	B5	509	SER	2.9
6	F3	136	ILE	2.9
2	B5	511	THR	2.8
1	A4	675	LEU	2.8
10	L5	64	LYS	2.8
1	A4	697	TRP	2.8
1	A1	693	GLY	2.8
2	B4	475	TYR	2.8
13	P5	12	GLY	2.8
1	A1	17	ASP	2.8
1	A4	353	HIS	2.8
3	C1	5	LYS	2.8
2	B3	252	ALA	2.8
6	F4	49	PRO	2.8
1	A1	132	GLY	2.8

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>RSRZ</b>
1	A1	251	GLU	2.8
2	B3	399	ARG	2.8
13	P4	97	TYR	2.8
1	A1	278	PHE	2.8
1	A5	13	ARG	2.8
1	A5	183	ARG	2.8
5	E6	52	ALA	2.8
1	A2	379	PRO	2.8
1	A5	59	ASP	2.8
2	B1	267	LEU	2.8
2	B1	407	LYS	2.8
6	F3	133	ASP	2.8
1	A4	32	GLY	2.8
2	B5	292	THR	2.8
2	B5	479	THR	2.8
3	C1	62	LEU	2.8
4	D5	119	ILE	2.8
6	F2	25	THR	2.8
2	B2	237	ASP	2.8
1	A3	283	GLY	2.8
2	B5	300	ILE	2.8
1	A4	191	GLN	2.8
2	B1	272	MET	2.8
6	F4	22	VAL	2.8
5	E6	31	GLY	2.8
6	F1	48	LEU	2.8
8	J5	41	LEU	2.8
1	A5	321	ILE	2.8
1	A1	30	LYS	2.8
1	A1	596	PHE	2.8
2	B1	584	LEU	2.8
2	B5	240	SER	2.8
5	E6	53	SER	2.8
2	B5	599	TYR	2.8
5	E5	32	VAL	2.8
2	B1	471	GLY	2.8
8	J4	26	LEU	2.8
2	B5	234	GLN	2.8
1	A6	42	PRO	2.7
1	A1	574	PHE	2.7
4	D6	46	ALA	2.7
12	X4	10	ALA	2.7

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>RSRZ</b>
2	B5	598	PHE	2.7
1	A6	151	GLY	2.7
6	F1	102	ASP	2.7
1	A5	416	MET	2.7
1	A5	720	ARG	2.7
1	A1	119	PRO	2.7
2	B2	218	PRO	2.7
2	B6	408	GLY	2.7
10	L1	15	GLY	2.7
10	L1	13	PHE	2.7
1	A5	515	GLY	2.7
5	E1	1	VAL	2.7
6	F2	141	ARG	2.7
2	B1	452	PRO	2.7
2	B1	739	PHE	2.7
6	F4	23	ASN	2.7
1	A3	261	PHE	2.7
3	C1	70	ALA	2.7
2	B1	234	GLN	2.7
6	F4	47	GLY	2.7
9	K3	57	PRO	2.7
6	F6	137	THR	2.7
1	A6	31	PRO	2.7
2	B1	372	ALA	2.7
5	E1	15	TYR	2.7
2	B1	253	ILE	2.7
2	B4	234	GLN	2.7
1	A6	583	ARG	2.7
4	D5	61	LYS	2.7
1	A4	698	GLN	2.7
5	E1	26	VAL	2.7
2	B6	330	ASN	2.7
1	A1	188	GLU	2.7
2	B1	522	ASP	2.7
6	F5	49	PRO	2.7
2	B1	513	SER	2.7
2	B2	109	SER	2.7
13	P1	26	LEU	2.7
6	F1	133	ASP	2.6
1	A4	37	THR	2.6
9	K5	37	ARG	2.6
13	P5	23	GLU	2.6

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>RSRZ</b>
3	C5	38	ILE	2.6
1	A2	59	ASP	2.6
5	E1	47	GLY	2.6
1	A4	560	ALA	2.6
2	B1	511	THR	2.6
3	C5	67	TYR	2.6
4	D6	12	GLY	2.6
10	L4	72	ASP	2.6
1	A2	505	ALA	2.6
1	A4	561	ARG	2.6
1	A5	288	VAL	2.6
13	P2	35	ASP	2.6
1	A1	392	SER	2.6
1	A6	155	GLU	2.6
4	D2	110	GLU	2.6
1	A5	721	ALA	2.6
9	K6	40	GLY	2.6
10	L3	140	GLU	2.6
13	P2	30	GLU	2.6
13	P2	71	GLU	2.6
6	F1	94	ALA	2.6
1	A2	74	SER	2.6
2	B1	315	GLU	2.6
1	A2	51	LEU	2.6
2	B4	575	ASP	2.6
3	C5	31	ASP	2.6
1	A1	73	PHE	2.6
1	A2	389	THR	2.6
2	B4	568	PRO	2.6
3	C1	1	ALA	2.6
1	A1	43	GLN	2.6
5	E1	51	SER	2.6
6	F4	28	PRO	2.6
1	A4	724	ILE	2.6
1	A4	589	VAL	2.6
4	D6	1	THR	2.6
13	P3	83	ARG	2.6
6	F6	138	VAL	2.6
3	C4	64	ILE	2.6
1	A1	352	TRP	2.6
1	A5	709	ASN	2.6
1	A5	716	ALA	2.6

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>RSRZ</b>
1	A1	743	THR	2.6
2	B6	359	PRO	2.6
1	A1	272	TRP	2.6
2	B5	508	ASN	2.6
1	A3	722	LEU	2.6
1	A5	583	ARG	2.5
2	B2	401	TYR	2.5
1	A1	734	HIS	2.5
5	E5	51	SER	2.5
1	A6	516	ASP	2.5
2	B1	552	LEU	2.5
4	D6	45	GLY	2.5
2	B6	406	ASN	2.5
9	K3	56	LEU	2.5
9	K1	38	GLY	2.5
1	A2	141	SER	2.5
2	B1	226	THR	2.5
1	A1	35	ASP	2.5
1	A4	584	GLY	2.5
11	M3	31	LYS	2.5
4	D5	64	CYS	2.5
2	B6	475	TYR	2.5
13	P3	13	SER	2.5
2	B1	607	VAL	2.5
1	A1	720	ARG	2.5
5	E1	2	GLN	2.5
3	C1	80	TYR	2.5
1	A4	352	TRP	2.5
2	B3	171	GLU	2.5
8	J2	41	LEU	2.5
2	B1	331	ASN	2.5
1	A6	152	ILE	2.5
2	B5	390	PHE	2.5
1	A3	183	ARG	2.5
1	A1	18	ASN	2.5
2	B1	231	VAL	2.5
6	F3	128	GLU	2.5
2	B4	511	THR	2.5
2	B3	296	ILE	2.5
6	F6	95	ASN	2.5
2	B5	573	THR	2.5
9	K5	57	PRO	2.4

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>RSRZ</b>
2	B1	508	ASN	2.4
6	F4	34	ARG	2.4
1	A2	586	THR	2.4
10	L3	154	ASN	2.4
1	A5	152	ILE	2.4
13	P5	35	ASP	2.4
2	B5	603	LYS	2.4
13	P5	13	SER	2.4
1	A1	690	LEU	2.4
1	A5	418	ARG	2.4
13	P5	1	ALA	2.4
2	B1	503	TRP	2.4
1	A6	150	SER	2.4
1	A2	579	ASP	2.4
10	L1	12	PRO	2.4
1	A1	732	VAL	2.4
13	P2	92	GLN	2.4
1	A4	60	THR	2.4
9	K1	40	GLY	2.4
7	I2	4	SER	2.4
2	B1	292	THR	2.4
1	A1	189	TRP	2.4
2	B1	497	ASN	2.4
3	C3	2	HIS	2.4
8	J4	24	GLY	2.4
2	B2	545	LEU	2.4
3	C1	69	GLY	2.4
1	A1	156	PHE	2.4
2	B4	576	ILE	2.4
13	P1	20	PRO	2.4
6	F3	53	VAL	2.4
13	P2	70	ILE	2.4
13	P4	61	ASP	2.4
1	A1	186	LYS	2.4
3	C5	30	TRP	2.4
1	A4	722	LEU	2.4
1	A1	274	ALA	2.4
12	X2	7	PRO	2.4
3	C1	11	ILE	2.4
6	F5	40	GLN	2.4
1	A5	437	ARG	2.4
2	B4	739	PHE	2.4

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>RSRZ</b>
2	B5	672	SER	2.4
6	F5	136	ILE	2.4
3	C3	4	VAL	2.4
1	A3	279	LEU	2.4
1	A4	702	GLU	2.4
1	A4	520	VAL	2.4
1	A3	676	PHE	2.4
1	A6	23	THR	2.4
2	B4	291	ARG	2.4
3	C5	64	ILE	2.4
3	C1	65	ARG	2.4
3	C4	38	ILE	2.4
1	A3	318	ASN	2.4
3	C3	41	SER	2.4
1	A3	352	TRP	2.4
6	F1	136	ILE	2.4
1	A2	228	ASP	2.4
4	D5	44	ALA	2.4
1	A3	152	ILE	2.4
3	C5	39	ALA	2.4
5	E3	45	TYR	2.4
13	P1	79	VAL	2.4
1	A4	243	ILE	2.3
1	A1	733	ALA	2.3
2	B2	547	ALA	2.3
13	P5	9	ARG	2.3
5	E2	31	GLY	2.3
1	A4	588	GLN	2.3
1	A5	696	TYR	2.3
6	F3	2	VAL	2.3
5	E2	54	GLY	2.3
1	A3	285	LEU	2.3
3	C4	2	HIS	2.3
1	A1	194	GLU	2.3
2	B5	682	GLU	2.3
3	C1	67	TYR	2.3
3	C4	70	ALA	2.3
1	A1	581	PRO	2.3
6	F5	57	LEU	2.3
1	A6	121	VAL	2.3
2	B1	482	SER	2.3
13	P1	25	ILE	2.3

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>RSRZ</b>
1	A3	661	VAL	2.3
4	D1	26	LYS	2.3
6	F4	111	LEU	2.3
1	A1	389	THR	2.3
2	B6	407	LYS	2.3
3	C4	61	PHE	2.3
13	P2	93	GLU	2.3
1	A6	498	PRO	2.3
1	A1	736	LEU	2.3
3	C4	62	LEU	2.3
4	D1	53	GLU	2.3
6	F6	93	GLU	2.3
2	B4	299	SER	2.3
13	P4	38	PHE	2.3
13	P5	96	LEU	2.3
10	L6	72	ASP	2.3
1	A6	279	LEU	2.3
1	A1	65	LEU	2.3
1	A3	693	GLY	2.3
5	E1	48	TYR	2.3
5	E5	30	PRO	2.3
4	D4	1	THR	2.3
1	A1	374	MET	2.3
13	P1	80	ALA	2.3
1	A1	66	GLU	2.3
3	C3	5	LYS	2.3
13	P1	46	SER	2.3
13	P2	63	SER	2.3
6	F4	43	CYS	2.3
3	C6	38	ILE	2.3
13	P1	54	GLU	2.3
1	A1	420	TYR	2.3
1	A2	382	TYR	2.3
2	B2	485	ASP	2.3
5	E1	24	ALA	2.3
6	F4	42	LEU	2.3
1	A1	502	ALA	2.3
1	A5	413	ALA	2.3
2	B6	570	ARG	2.3
2	B5	262	PRO	2.3
1	A2	295	SER	2.2
1	A6	114	ALA	2.2

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>RSRZ</b>
1	A6	515	GLY	2.2
2	B5	233	ALA	2.2
1	A3	696	TYR	2.2
1	A5	724	ILE	2.2
9	K6	41	PRO	2.2
2	B5	239	ALA	2.2
4	D4	45	GLY	2.2
5	E1	25	SER	2.2
3	C5	61	PHE	2.2
12	X3	31	PHE	2.2
1	A1	579	ASP	2.2
2	B1	256	PHE	2.2
2	B1	218	PRO	2.2
1	A5	525	ALA	2.2
3	C3	64	ILE	2.2
1	A4	226	LEU	2.2
2	B5	171	GLU	2.2
2	B3	395	ILE	2.2
1	A6	65	LEU	2.2
2	B4	453	GLU	2.2
2	B6	226	THR	2.2
2	B1	499	TRP	2.2
10	L6	141	ASN	2.2
1	A5	153	THR	2.2
2	B5	622	LEU	2.2
6	F2	10	ASP	2.2
1	A2	726	GLN	2.2
2	B5	620	THR	2.2
13	P1	62	GLN	2.2
10	L1	72	ASP	2.2
13	P2	62	GLN	2.2
13	P3	60	SER	2.2
1	A1	96	LYS	2.2
1	A1	326	LYS	2.2
10	L2	146	ASP	2.2
2	B3	449	PHE	2.2
1	A4	363	MET	2.2
1	A5	529	ILE	2.2
5	E4	42	LYS	2.2
2	B1	583	TYR	2.2
1	A1	192	ASN	2.2
5	E2	59	ASN	2.2

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>RSRZ</b>
3	C1	17	VAL	2.2
2	B2	544	ALA	2.2
4	D4	76	LYS	2.2
2	B5	237	ASP	2.2
3	C1	79	ALA	2.2
6	F6	118	LEU	2.2
2	B1	573	THR	2.2
1	A1	599	LEU	2.2
1	A2	288	VAL	2.2
6	F4	26	ALA	2.2
2	B1	514	LEU	2.1
6	F4	96	GLU	2.1
1	A2	46	THR	2.1
13	P5	7	LEU	2.1
2	B5	465	PHE	2.1
8	J2	14	LEU	2.1
13	P2	65	LEU	2.1
1	A3	508	THR	2.1
5	E4	33	LYS	2.1
1	A2	32	GLY	2.1
1	A6	274	ALA	2.1
3	C4	39	ALA	2.1
1	A6	156	PHE	2.1
1	A5	193	VAL	2.1
1	A5	18	ASN	2.1
1	A5	694	ARG	2.1
1	A2	119	PRO	2.1
2	B4	253	ILE	2.1
1	A1	27	LYS	2.1
1	A4	30	LYS	2.1
1	A6	96	LYS	2.1
1	A2	115	GLN	2.1
4	D2	1	THR	2.1
1	A2	223	ILE	2.1
8	J3	4	PHE	2.1
8	J4	15	ALA	2.1
13	P3	1	ALA	2.1
13	P3	14	GLU	2.1
3	C6	21	PRO	2.1
8	J4	11	ALA	2.1
1	A5	748	LEU	2.1
2	B6	295	GLY	2.1

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<b>Mol</b>	<b>Chain</b>	<b>Res</b>	<b>Type</b>	<b>RSRZ</b>
6	F6	4	GLY	2.1
2	B6	515	PHE	2.1
13	P1	91	ASN	2.1
8	J1	39	HIS	2.1
13	P4	62	GLN	2.1
1	A2	140	THR	2.1
1	A2	588	GLN	2.1
1	A4	62	THR	2.1
1	A3	150	SER	2.1
4	D5	84	ARG	2.1
12	X1	28	ALA	2.1
13	P6	82	PRO	2.1
4	D5	24	GLU	2.1
2	B1	293	GLN	2.1
1	A5	34	PHE	2.1
2	B6	253	ILE	2.1
4	D1	13	SER	2.1
1	A1	133	GLY	2.1
1	A5	290	GLY	2.1
4	D1	59	ALA	2.1
10	L4	16	HIS	2.1
12	X4	8	THR	2.1
1	A1	85	ILE	2.1
1	A4	568	ASP	2.1
1	A3	278	PHE	2.1
1	A5	159	TYR	2.1
3	C6	67	TYR	2.1
3	C1	58	PRO	2.1
1	A2	504	ASN	2.1
4	D6	3	LEU	2.1
4	D6	56	VAL	2.1
5	E6	23	VAL	2.1
13	P1	57	VAL	2.1
1	A2	44	THR	2.1
1	A3	100	TYR	2.1
1	A4	57	ASP	2.1
2	B6	478	ASP	2.1
13	P1	67	ASP	2.1
5	E5	58	ASN	2.1
2	B1	480	LEU	2.1
3	C6	68	LEU	2.1
5	E5	25	SER	2.1

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Mol	Chain	Res	Type	RSRZ
6	F3	58	SER	2.1
11	M2	31	LYS	2.1
1	A5	568	ASP	2.0
1	A2	383	LEU	2.0
1	A2	478	THR	2.0
1	A3	694	ARG	2.0
2	B5	474	LEU	2.0
6	F1	1	ASP	2.0
2	B4	477	PHE	2.0
4	D1	55	LEU	2.0
2	B5	606	GLY	2.0
4	D5	85	ILE	2.0
5	E4	55	VAL	2.0
10	L2	143	LEU	2.0
2	B5	610	GLY	2.0
10	L2	22	SER	2.0
1	A1	695	GLY	2.0
1	A2	244	LEU	2.0
2	B6	292	THR	2.0
2	B5	517	THR	2.0
4	D1	123	PRO	2.0
1	A6	145	GLN	2.0
1	A4	63	SER	2.0
5	E6	32	VAL	2.0
10	L1	14	VAL	2.0
1	A1	34	PHE	2.0
1	A1	296	ASP	2.0
1	A3	728	ARG	2.0
10	L2	71	SER	2.0
13	P3	59	GLN	2.0
9	K3	55	GLY	2.0
3	C2	29	PRO	2.0
2	B6	219	ALA	2.0

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

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

## 6.3 Carbohydrates [i](#)

There are no monosaccharides in this entry.

## 6.4 Ligands i

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95<sup>th</sup> percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	A2	1601	45/65	-0.01	1.09	165,184,190,190	0
14	CLA	A4	853	45/65	0.20	1.13	169,176,185,190	0
14	CLA	A6	1601	45/65	0.28	1.05	164,174,180,182	0
16	BCR	B4	845	40/40	0.40	1.34	168,178,188,188	0
16	BCR	J1	104	40/40	0.45	1.08	163,174,179,182	0
16	BCR	B1	847	40/40	0.46	1.21	159,165,170,172	0
16	BCR	A6	1646	40/40	0.47	0.79	151,160,180,181	0
16	BCR	M4	101	40/40	0.48	0.69	150,158,166,167	0
16	BCR	A4	844	40/40	0.49	0.95	169,175,180,181	0
14	CLA	B1	838	60/65	0.49	0.78	156,175,183,189	0
16	BCR	A1	847	40/40	0.50	1.17	150,163,176,179	0
14	CLA	A1	809	45/65	0.50	0.53	162,179,183,186	0
16	BCR	B1	852	40/40	0.50	0.90	159,175,179,180	0
16	BCR	A1	842	40/40	0.50	0.95	160,174,182,182	0
16	BCR	J5	105	40/40	0.53	1.04	163,170,174,176	0
14	CLA	J1	101	45/65	0.54	0.69	171,180,185,187	0
16	BCR	M3	1602	40/40	0.55	0.78	153,161,166,167	0
16	BCR	B1	848	40/40	0.55	0.78	159,170,176,177	0
16	BCR	B4	849	40/40	0.56	1.59	151,166,173,174	0
14	CLA	A4	816	54/65	0.56	0.49	161,170,179,187	0
17	LHG	X3	101	23/49	0.57	0.39	157,168,180,181	0
16	BCR	B2	846	40/40	0.58	1.56	157,162,169,171	0
16	BCR	B1	844	40/40	0.58	0.78	154,166,184,185	0
16	BCR	B1	845	40/40	0.58	0.51	156,169,184,186	0
14	CLA	B5	1839	60/65	0.59	0.93	153,164,172,189	0
16	BCR	M5	101	40/40	0.59	0.54	150,159,163,165	0
16	BCR	B5	1849	40/40	0.59	0.99	152,163,170,171	0
16	BCR	A1	846	40/40	0.60	0.80	156,168,177,178	0
15	PQN	B4	844	33/33	0.60	0.65	157,161,167,168	0
16	BCR	A1	845	40/40	0.60	0.50	150,162,167,168	0
16	BCR	B6	847	40/40	0.60	1.42	161,169,172,173	0
16	BCR	B2	845	25/40	0.61	0.98	154,165,177,178	0
15	PQN	A4	843	33/33	0.61	1.65	165,171,175,176	0
16	BCR	B3	1845	40/40	0.61	1.66	165,170,174,175	0
16	BCR	B6	846	25/40	0.61	1.18	157,165,175,176	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	A4	842	41/65	0.61	0.55	150,170,175,175	0
14	CLA	B1	821	47/65	0.61	0.50	155,179,183,190	0
16	BCR	A4	847	40/40	0.61	0.65	159,169,176,177	0
16	BCR	A4	849	40/40	0.61	1.47	153,163,183,185	0
14	CLA	L5	202	45/65	0.61	0.81	167,179,181,182	0
15	PQN	A1	841	33/33	0.62	1.08	162,165,170,171	0
16	BCR	F1	1302	40/40	0.62	0.58	165,172,181,183	0
16	BCR	B1	843	40/40	0.62	0.56	169,176,183,184	0
14	CLA	A1	815	49/65	0.62	0.60	150,175,181,185	0
14	CLA	B1	834	58/65	0.63	0.58	159,174,184,186	0
16	BCR	L6	201	40/40	0.63	0.49	150,158,175,176	0
19	LMG	B6	848	55/55	0.63	0.86	152,161,175,182	0
16	BCR	A4	848	40/40	0.64	0.79	160,168,174,174	0
16	BCR	J1	103	40/40	0.64	1.00	155,164,181,183	0
17	LHG	B1	851	23/49	0.64	0.65	158,175,188,189	0
16	BCR	J4	104	40/40	0.64	1.14	163,169,174,176	0
16	BCR	J5	104	40/40	0.64	1.24	150,161,168,169	0
19	LMG	B5	1851	55/55	0.64	0.79	151,162,170,177	0
14	CLA	F1	1301	45/65	0.65	0.49	167,171,182,186	0
16	BCR	B6	844	40/40	0.65	0.98	156,172,183,183	0
16	BCR	A1	843	40/40	0.65	0.93	163,171,178,180	0
16	BCR	M1	1202	40/40	0.65	0.48	150,161,172,174	0
14	CLA	L3	202	45/65	0.65	0.62	164,172,183,186	0
17	LHG	X4	101	23/49	0.65	0.77	161,172,183,186	0
16	BCR	B5	1845	40/40	0.65	1.03	163,169,180,182	0
14	CLA	M3	1601	45/65	0.65	0.67	169,176,182,190	0
16	BCR	B1	849	40/40	0.66	0.61	158,169,173,174	0
19	LMG	B4	851	55/55	0.66	0.76	150,162,172,177	0
14	CLA	B1	818	59/65	0.66	0.83	160,171,185,190	0
16	BCR	B5	1846	40/40	0.66	0.79	150,158,179,180	0
16	BCR	B4	846	40/40	0.67	0.75	157,169,182,184	0
16	BCR	B4	847	40/40	0.67	0.67	152,170,186,188	0
16	BCR	J6	1105	40/40	0.67	0.56	157,161,170,171	0
16	BCR	A4	845	40/40	0.67	0.84	161,169,177,179	0
14	CLA	A4	809	45/65	0.67	0.70	166,180,186,190	0
19	LMG	B1	850	55/55	0.67	0.79	156,167,178,183	0
14	CLA	A1	823	59/65	0.67	0.34	153,162,170,173	0
16	BCR	A2	1648	40/40	0.67	0.58	159,169,174,175	0
14	CLA	A1	811	54/65	0.67	0.48	153,160,169,171	0
14	CLA	B3	1821	65/65	0.68	1.02	163,174,178,186	0
16	BCR	A4	846	40/40	0.68	0.82	157,168,174,175	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	B1	814	65/65	0.68	0.66	157,175,189,190	0
16	BCR	F6	203	40/40	0.68	0.79	159,166,172,175	0
15	PQN	B5	1844	33/33	0.68	0.57	152,161,167,170	0
14	CLA	B6	831	49/65	0.68	0.51	150,164,173,175	0
16	BCR	A5	848	40/40	0.68	0.91	152,163,170,172	0
16	BCR	A6	1643	40/40	0.68	0.81	156,161,165,173	0
16	BCR	A2	1650	40/40	0.68	0.63	157,163,170,173	0
16	BCR	B6	843	40/40	0.68	0.80	159,167,170,171	0
14	CLA	A1	804	65/65	0.69	0.62	153,166,172,174	0
16	BCR	B5	1848	25/40	0.69	1.40	150,159,167,169	0
16	BCR	B3	1846	40/40	0.69	0.93	158,167,174,176	0
16	BCR	B3	1848	25/40	0.69	0.91	164,169,177,178	0
17	LHG	A4	850	49/49	0.69	1.23	155,170,176,182	0
14	CLA	A1	824	65/65	0.70	0.79	158,168,175,180	0
16	BCR	F4	201	40/40	0.70	0.96	161,169,176,177	0
16	BCR	F4	204	40/40	0.70	0.85	163,171,179,182	0
16	BCR	I4	101	40/40	0.70	0.51	150,154,168,173	0
16	BCR	L1	209	40/40	0.70	0.46	150,153,169,170	0
14	CLA	B5	1823	45/65	0.70	0.70	168,176,179,182	0
16	BCR	A5	850	40/40	0.70	0.74	150,159,164,164	0
16	BCR	A1	844	40/40	0.70	0.81	157,169,182,183	0
14	CLA	B4	838	45/65	0.70	0.40	161,171,175,178	0
16	BCR	B2	842	40/40	0.70	0.50	158,165,172,173	0
14	CLA	B1	813	45/65	0.70	0.68	162,171,176,179	0
16	BCR	A2	1647	40/40	0.71	0.62	153,160,173,174	0
16	BCR	J4	103	40/40	0.71	1.64	155,164,177,177	0
16	BCR	F3	203	40/40	0.71	1.01	155,165,170,171	0
14	CLA	B1	835	45/65	0.71	0.64	154,178,181,184	0
14	CLA	B3	1824	55/65	0.71	0.43	151,163,167,170	0
16	BCR	F4	203	40/40	0.71	0.89	161,166,178,179	0
16	BCR	A5	845	40/40	0.71	0.84	157,162,167,169	0
14	CLA	B5	1827	46/65	0.71	0.73	150,165,171,172	0
16	BCR	B2	843	40/40	0.72	0.76	154,164,176,177	0
17	LHG	A1	848	49/49	0.72	0.81	156,168,182,184	0
16	BCR	B3	1847	40/40	0.72	0.57	151,160,175,176	0
16	BCR	J2	103	40/40	0.72	1.11	160,164,169,171	0
14	CLA	F2	204	37/65	0.72	0.65	150,161,174,177	0
14	CLA	B1	840	47/65	0.73	0.41	150,171,176,179	0
14	CLA	B6	823	45/65	0.73	0.65	150,162,170,177	0
14	CLA	F3	202	45/65	0.73	0.97	158,171,173,177	0
14	CLA	B1	826	46/65	0.73	0.56	150,169,179,181	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
17	LHG	B2	849	23/49	0.73	0.27	154,164,173,174	0
14	CLA	B1	831	45/65	0.73	0.40	154,167,171,175	0
14	CLA	J1	102	37/65	0.73	0.85	150,163,175,179	0
14	CLA	A4	815	49/65	0.73	0.48	166,176,184,188	0
17	LHG	A5	851	49/49	0.73	1.04	152,164,171,182	0
14	CLA	A1	840	41/65	0.73	0.43	150,164,178,187	0
14	CLA	A2	1618	49/65	0.73	0.57	150,175,185,189	0
14	CLA	B1	812	45/65	0.73	0.39	155,169,175,177	0
14	CLA	A1	814	45/65	0.73	0.52	171,179,184,189	0
16	BCR	A3	850	40/40	0.74	0.59	150,158,164,164	0
16	BCR	A6	1645	40/40	0.74	0.82	152,163,171,173	0
16	BCR	J5	103	40/40	0.74	0.74	152,160,167,170	0
14	CLA	J5	101	45/65	0.74	0.49	156,172,176,176	0
14	CLA	B1	802	65/65	0.74	0.73	155,170,178,186	0
14	CLA	A4	814	45/65	0.74	0.40	162,172,183,186	0
16	BCR	B4	848	25/40	0.74	1.17	160,164,169,171	0
15	PQN	B3	1844	33/33	0.74	0.56	150,153,165,165	0
16	BCR	B6	850	40/40	0.74	0.98	153,160,174,174	0
14	CLA	B3	1826	54/65	0.74	1.28	152,160,171,175	0
14	CLA	B1	825	54/65	0.74	0.65	153,166,178,188	0
14	CLA	A5	810	45/65	0.74	0.50	154,168,174,175	0
14	CLA	B5	1822	47/65	0.74	0.59	150,168,175,177	0
14	CLA	B1	820	65/65	0.74	0.48	152,174,179,182	0
14	CLA	B1	827	65/65	0.74	0.78	150,166,179,182	0
16	BCR	L4	208	40/40	0.74	0.41	150,156,172,174	0
14	CLA	B4	824	55/65	0.74	0.56	158,171,177,177	0
14	CLA	A2	1615	60/65	0.75	0.65	152,162,169,170	0
14	CLA	A1	822	51/65	0.75	0.30	160,169,175,176	0
16	BCR	B3	1849	40/40	0.75	1.36	154,160,173,174	0
14	CLA	A4	821	49/65	0.75	0.32	164,176,181,183	0
16	BCR	A2	1649	40/40	0.75	0.58	150,164,171,171	0
14	CLA	A4	824	65/65	0.75	0.69	161,170,177,181	0
14	CLA	A4	825	65/65	0.75	0.69	151,160,173,177	0
16	BCR	M6	1202	40/40	0.75	0.53	152,161,166,167	0
14	CLA	A5	816	49/65	0.75	0.99	150,173,180,181	0
14	CLA	B5	1817	45/65	0.75	0.41	150,159,179,183	0
14	CLA	B5	1819	59/65	0.75	0.60	156,164,169,173	0
14	CLA	A4	806	51/65	0.75	0.51	161,176,182,184	0
14	CLA	A2	1645	41/65	0.75	0.51	150,164,172,174	0
14	CLA	B4	823	45/65	0.75	0.36	165,170,177,179	0
14	CLA	B1	822	45/65	0.75	0.49	171,177,186,190	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	A1	837	51/65	0.76	0.57	157,169,178,185	0
14	CLA	K2	1401	45/65	0.76	0.39	161,170,176,177	0
14	CLA	A1	820	65/65	0.76	0.41	153,161,173,179	0
14	CLA	A1	803	59/65	0.76	0.67	150,159,176,180	0
14	CLA	B1	816	45/65	0.76	0.29	161,168,176,190	0
14	CLA	B1	817	55/65	0.76	0.56	150,165,180,184	0
14	CLA	B1	805	65/65	0.76	0.77	153,170,176,180	0
14	CLA	A5	815	45/65	0.76	0.43	156,170,176,177	0
17	LHG	A2	1653	49/49	0.76	1.15	150,159,167,168	0
14	CLA	B2	815	55/65	0.76	0.52	156,162,170,176	0
16	BCR	B2	844	40/40	0.76	0.46	155,167,172,174	0
14	CLA	B5	1814	45/65	0.76	0.62	158,170,176,178	0
14	CLA	B5	1815	65/65	0.76	0.59	162,167,175,181	0
17	LHG	B6	849	23/49	0.76	0.41	155,169,180,180	0
16	BCR	A5	849	40/40	0.76	0.95	154,159,168,168	0
14	CLA	B2	829	45/65	0.76	0.47	151,163,171,172	0
19	LMG	B3	1850	55/55	0.76	0.85	157,163,172,176	0
16	BCR	A5	853	40/40	0.76	0.58	152,160,169,169	0
16	BCR	A6	1644	40/40	0.76	0.56	152,159,167,169	0
14	CLA	B4	811	65/65	0.76	0.50	150,158,174,177	0
20	CA	L6	205	1/1	0.76	0.69	150,150,150,150	0
14	CLA	B1	823	55/65	0.77	0.46	167,173,179,188	0
14	CLA	B4	813	45/65	0.77	0.49	154,165,169,171	0
14	CLA	B4	817	45/65	0.77	0.51	158,168,173,182	0
14	CLA	B1	824	45/65	0.77	0.56	160,164,170,175	0
16	BCR	B3	1851	40/40	0.77	0.93	150,164,176,177	0
14	CLA	B2	814	45/65	0.77	0.38	159,165,174,176	0
14	CLA	B4	837	45/65	0.77	0.27	156,169,179,181	0
14	CLA	J3	102	37/65	0.77	0.75	150,166,171,174	0
14	CLA	F4	202	45/65	0.77	0.57	161,174,177,179	0
14	CLA	A3	809	65/65	0.77	0.71	150,162,168,175	0
14	CLA	B6	819	65/65	0.77	0.53	163,173,179,185	0
14	CLA	L3	205	65/65	0.77	0.49	150,156,173,174	0
14	CLA	B3	1817	45/65	0.77	0.45	154,168,182,190	0
14	CLA	A4	804	65/65	0.77	0.66	156,164,173,174	0
16	BCR	B5	1847	40/40	0.77	0.61	155,163,173,176	0
14	CLA	A1	819	61/65	0.77	0.50	156,168,174,176	0
14	CLA	B4	809	65/65	0.77	0.48	150,157,167,173	0
16	BCR	B6	845	40/40	0.77	0.82	150,168,174,176	0
21	FES	P1	101	4/4	0.77	0.11	166,170,181,184	0
14	CLA	A1	805	65/65	0.78	0.62	156,171,178,182	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	K1	1401	45/65	0.78	0.41	161,173,177,179	0
15	PQN	A5	844	33/33	0.78	0.98	158,162,165,166	0
16	BCR	L3	201	40/40	0.78	0.43	150,154,161,162	0
14	CLA	B3	1825	45/65	0.78	0.61	159,162,166,171	0
14	CLA	A1	812	60/65	0.78	0.57	154,165,174,176	0
16	BCR	A6	1648	40/40	0.78	1.12	150,158,169,170	0
16	BCR	L5	201	40/40	0.78	0.45	150,150,171,175	0
14	CLA	B2	818	65/65	0.78	0.65	155,169,174,177	0
14	CLA	B4	827	46/65	0.78	0.95	153,165,169,172	0
14	CLA	B5	1818	55/65	0.78	0.73	153,161,181,183	0
14	CLA	A2	1607	65/65	0.78	0.74	150,155,167,170	0
14	CLA	B5	1821	65/65	0.78	0.58	152,168,175,180	0
14	CLA	A2	1612	45/65	0.78	0.33	163,169,172,174	0
16	BCR	F6	201	40/40	0.78	1.07	150,159,164,166	0
14	CLA	A1	802	65/65	0.78	0.85	150,163,175,178	0
14	CLA	J4	101	45/65	0.78	0.76	162,176,181,183	0
16	BCR	F2	203	40/40	0.78	0.69	153,163,175,177	0
17	LHG	X5	102	23/49	0.78	0.40	150,163,172,174	0
16	BCR	B1	846	25/40	0.78	1.32	166,173,175,176	0
16	BCR	A3	849	40/40	0.78	0.86	150,158,166,168	0
14	CLA	A4	834	45/65	0.78	0.33	156,166,171,181	0
14	CLA	A1	821	49/65	0.78	0.36	164,175,180,182	0
14	CLA	X3	102	45/65	0.78	0.64	161,167,171,174	0
20	CA	L2	204	1/1	0.78	0.69	150,150,150,150	0
14	CLA	A2	1627	65/65	0.78	0.66	155,163,170,176	0
14	CLA	F6	202	45/65	0.78	0.54	159,171,175,177	0
16	BCR	I5	101	40/40	0.79	0.49	150,150,164,165	0
14	CLA	A1	816	54/65	0.79	0.58	157,167,171,174	0
14	CLA	B2	821	55/65	0.79	0.57	157,165,176,177	0
14	CLA	A1	826	65/65	0.79	0.53	154,162,171,172	0
16	BCR	A3	847	40/40	0.79	0.82	150,159,167,171	0
14	CLA	B5	1813	45/65	0.79	0.45	151,170,178,181	0
14	CLA	B1	801	65/65	0.79	0.45	150,160,166,169	0
14	CLA	A1	827	65/65	0.79	0.60	161,169,176,182	0
14	CLA	B1	803	65/65	0.79	0.34	150,164,171,175	0
16	BCR	J6	1104	40/40	0.79	1.13	150,156,161,161	0
14	CLA	A6	1610	45/65	0.79	0.42	162,168,172,179	0
14	CLA	A6	1616	49/65	0.79	0.40	157,167,172,182	0
14	CLA	B6	816	55/65	0.79	0.57	150,162,172,178	0
16	BCR	I4	102	40/40	0.79	0.56	150,154,163,165	0
16	BCR	A5	846	40/40	0.79	1.05	150,162,174,175	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	B3	1801	52/65	0.79	0.38	154,168,176,177	0
14	CLA	B4	821	65/65	0.79	0.69	160,172,178,179	0
16	BCR	J3	104	40/40	0.79	0.92	151,158,164,165	0
14	CLA	A2	1606	59/65	0.79	0.70	158,167,175,178	0
16	BCR	A2	1652	40/40	0.79	0.98	150,159,167,167	0
14	CLA	B5	1836	45/65	0.79	0.48	155,165,173,177	0
14	CLA	B1	853	52/65	0.79	0.43	150,160,171,175	0
14	CLA	F5	1301	45/65	0.79	0.88	158,166,178,180	0
14	CLA	K6	1401	45/65	0.79	0.32	159,163,170,173	0
16	BCR	B5	1850	40/40	0.80	1.17	156,159,165,166	0
16	BCR	F2	201	40/40	0.80	0.96	154,162,168,169	0
14	CLA	B4	822	47/65	0.80	0.48	160,169,177,180	0
16	BCR	I2	101	40/40	0.80	0.46	150,150,161,162	0
14	CLA	A2	1605	65/65	0.80	0.92	150,164,171,173	0
16	BCR	L2	203	40/40	0.80	0.49	150,152,163,165	0
14	CLA	B5	1826	54/65	0.80	0.57	151,164,174,175	0
14	CLA	A1	836	47/65	0.80	0.36	151,166,173,174	0
14	CLA	B5	1832	45/65	0.80	0.65	158,166,173,177	0
16	BCR	B4	850	40/40	0.80	0.47	150,155,164,164	0
14	CLA	B5	1801	52/65	0.80	0.49	162,171,177,185	0
14	CLA	B5	1838	45/65	0.80	0.59	159,168,175,181	0
14	CLA	A6	1620	61/65	0.80	0.59	152,162,171,172	0
14	CLA	B4	826	54/65	0.80	0.50	151,167,172,179	0
14	CLA	B1	832	49/65	0.80	0.46	151,161,177,183	0
16	BCR	A5	847	40/40	0.80	0.95	150,159,163,163	0
16	BCR	A2	1651	40/40	0.80	0.74	150,156,170,173	0
16	BCR	F3	201	40/40	0.80	0.98	150,153,168,170	0
19	LMG	B2	848	55/55	0.80	0.84	153,161,168,169	0
14	CLA	B2	830	49/65	0.80	0.54	154,163,182,184	0
14	CLA	X5	101	45/65	0.80	0.65	156,168,176,190	0
14	CLA	A1	810	65/65	0.80	0.58	163,173,178,178	0
15	PQN	A2	1646	33/33	0.80	1.41	150,159,174,175	0
14	CLA	B4	819	59/65	0.80	0.35	156,168,178,185	0
14	CLA	A1	833	45/65	0.80	0.49	158,171,178,180	0
16	BCR	B2	850	40/40	0.80	0.62	160,165,168,169	0
16	BCR	L1	203	40/40	0.81	0.54	150,152,158,160	0
14	CLA	A5	820	61/65	0.81	0.60	150,161,173,176	0
14	CLA	A5	825	65/65	0.81	0.68	156,164,168,169	0
14	CLA	A3	823	51/65	0.81	0.44	152,164,176,182	0
14	CLA	B4	839	60/65	0.81	0.62	162,168,172,173	0
14	CLA	B4	852	52/65	0.81	0.36	150,163,170,172	0
16	BCR	A6	1647	40/40	0.81	0.73	152,159,166,167	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
15	PQN	B6	842	33/33	0.81	0.58	153,163,168,175	0
16	BCR	A6	1652	40/40	0.81	0.57	150,151,158,163	0
14	CLA	A1	808	65/65	0.81	0.43	156,162,172,175	0
14	CLA	B1	837	45/65	0.81	0.27	157,167,179,183	0
14	CLA	K4	1401	45/65	0.81	0.33	162,170,175,185	0
14	CLA	B4	806	54/65	0.81	0.45	150,155,160,166	0
14	CLA	B5	1820	60/65	0.81	0.38	150,158,169,170	0
14	CLA	B2	838	47/65	0.81	0.57	151,162,167,174	0
14	CLA	A4	802	65/65	0.81	0.80	151,169,185,190	0
14	CLA	B3	1823	45/65	0.81	0.64	157,165,175,179	0
16	BCR	I6	102	40/40	0.81	0.52	150,150,155,158	0
14	CLA	B5	1824	55/65	0.81	0.51	163,168,179,181	0
14	CLA	A1	838	65/65	0.81	0.82	154,165,172,176	0
14	CLA	A2	1625	51/65	0.81	0.44	152,165,171,171	0
16	BCR	J2	102	40/40	0.81	1.45	151,163,167,170	0
14	CLA	M2	1201	54/65	0.81	0.39	150,154,163,167	0
14	CLA	B3	1828	65/65	0.81	0.65	150,162,175,189	0
14	CLA	B3	1833	49/65	0.81	0.46	150,160,171,175	0
14	CLA	A4	819	61/65	0.81	0.59	157,168,174,179	0
14	CLA	L6	202	65/65	0.81	0.55	150,150,166,168	0
14	CLA	B3	1838	45/65	0.81	0.46	157,168,174,179	0
14	CLA	X1	1701	45/65	0.81	0.38	169,175,181,182	0
14	CLA	A3	810	45/65	0.81	0.51	152,162,166,173	0
14	CLA	B6	826	65/65	0.82	0.81	155,165,174,178	0
14	CLA	B6	830	45/65	0.82	0.56	156,166,173,175	0
14	CLA	A4	818	65/65	0.82	0.51	158,169,173,174	0
14	CLA	A1	806	51/65	0.82	0.35	161,174,178,184	0
16	BCR	A3	851	40/40	0.82	0.64	150,152,168,173	0
14	CLA	J6	1102	45/65	0.82	0.37	159,166,174,178	0
14	CLA	B5	1841	47/65	0.82	0.52	150,161,167,169	0
16	BCR	F5	1302	40/40	0.82	0.86	152,162,178,180	0
14	CLA	A1	813	45/65	0.82	0.41	158,166,175,181	0
16	BCR	I1	102	40/40	0.82	0.43	150,156,162,169	0
14	CLA	A4	822	51/65	0.82	0.31	153,173,179,183	0
14	CLA	K5	101	41/65	0.82	0.32	150,161,167,169	0
14	CLA	B3	1822	47/65	0.82	0.67	160,172,175,176	0
14	CLA	L5	206	65/65	0.82	0.49	150,156,171,173	0
16	BCR	J3	103	40/40	0.82	0.80	150,158,164,165	0
14	CLA	I1	101	65/65	0.82	0.53	150,151,162,166	0
14	CLA	B1	836	45/65	0.82	0.36	160,169,173,178	0
15	PQN	B1	842	33/33	0.82	0.58	154,161,168,173	0
14	CLA	A4	839	51/65	0.82	0.51	157,168,179,182	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	B4	841	47/65	0.82	0.79	161,174,179,179	0
14	CLA	B1	830	65/65	0.82	0.47	150,159,173,176	0
14	CLA	A4	803	59/65	0.82	0.46	160,166,175,179	0
14	CLA	B4	804	65/65	0.82	0.76	163,171,176,178	0
14	CLA	B1	807	65/65	0.82	0.44	155,168,179,187	0
14	CLA	A2	1617	45/65	0.82	0.30	153,163,174,177	0
14	CLA	B2	822	45/65	0.82	0.50	156,162,173,175	0
14	CLA	A4	813	45/65	0.82	0.24	163,173,179,185	0
14	CLA	B4	815	65/65	0.82	0.44	152,159,172,174	0
14	CLA	A6	1641	41/65	0.82	0.26	150,165,172,172	0
14	CLA	B6	811	45/65	0.82	0.38	153,163,169,174	0
14	CLA	B3	1837	45/65	0.82	0.31	155,168,174,178	0
14	CLA	B1	808	65/65	0.82	0.50	150,166,178,183	0
14	CLA	B3	1815	65/65	0.82	0.68	156,166,175,177	0
14	CLA	A4	835	51/65	0.83	0.46	152,161,168,175	0
14	CLA	M1	1201	54/65	0.83	0.43	155,166,175,180	0
16	BCR	A3	848	40/40	0.83	0.77	150,158,161,163	0
14	CLA	A6	1609	65/65	0.83	0.69	157,162,169,172	0
14	CLA	A3	816	49/65	0.83	0.54	150,168,179,186	0
14	CLA	A4	817	54/65	0.83	0.36	159,164,171,173	0
16	BCR	A3	856	40/40	0.83	0.52	150,156,163,164	0
14	CLA	B5	1830	65/65	0.83	0.65	154,162,168,170	0
14	CLA	A1	828	65/65	0.83	0.67	154,161,169,175	0
14	CLA	B5	1835	58/65	0.83	0.71	150,168,175,176	0
14	CLA	B2	824	46/65	0.83	0.70	150,161,167,169	0
14	CLA	A5	822	49/65	0.83	0.60	158,167,173,178	0
14	CLA	B4	835	58/65	0.83	0.55	150,163,179,182	0
14	CLA	A5	828	65/65	0.83	0.46	150,163,173,178	0
14	CLA	B5	1843	65/65	0.83	0.44	150,150,159,168	0
16	BCR	I3	101	40/40	0.83	0.53	150,150,161,162	0
14	CLA	B4	808	65/65	0.83	0.51	154,165,174,179	0
14	CLA	B1	815	65/65	0.83	0.34	159,172,183,190	0
14	CLA	B6	821	45/65	0.83	0.29	161,168,174,177	0
14	CLA	A2	1634	65/65	0.83	0.48	150,155,169,175	0
14	CLA	B6	824	54/65	0.83	0.73	151,159,166,168	0
14	CLA	A4	812	60/65	0.83	0.72	152,171,179,180	0
14	CLA	B3	1819	59/65	0.83	0.64	154,167,178,181	0
20	CA	L4	207	1/1	0.83	0.58	150,150,150,150	0
14	CLA	A4	826	65/65	0.83	0.44	150,164,174,176	0
14	CLA	B3	1832	45/65	0.83	0.29	153,164,178,189	0
14	CLA	A3	807	51/65	0.84	0.61	157,165,169,177	0
14	CLA	K5	102	45/65	0.84	0.29	152,165,171,174	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	B4	807	65/65	0.84	0.92	163,169,173,176	0
14	CLA	K3	1401	45/65	0.84	0.28	150,163,168,173	0
14	CLA	B2	834	45/65	0.84	0.25	158,166,172,173	0
14	CLA	B1	839	65/65	0.84	0.27	160,167,172,183	0
14	CLA	A6	1604	59/65	0.84	0.43	153,160,178,179	0
14	CLA	A5	837	65/65	0.84	0.38	151,160,168,173	0
14	CLA	A5	843	52/65	0.84	0.39	160,166,175,177	0
14	CLA	F2	202	45/65	0.84	0.40	150,174,180,184	0
14	CLA	A1	818	65/65	0.84	0.78	159,166,175,178	0
14	CLA	A6	1612	54/65	0.84	0.33	150,154,175,188	0
14	CLA	J2	101	45/65	0.84	0.65	160,171,177,178	0
14	CLA	B5	1816	65/65	0.84	0.37	150,169,176,180	0
14	CLA	B4	818	55/65	0.84	0.36	155,164,172,174	0
16	BCR	L2	201	40/40	0.84	0.39	150,151,160,163	0
14	CLA	B3	1813	45/65	0.84	0.53	151,160,165,167	0
14	CLA	A6	1651	65/65	0.84	0.85	150,155,165,167	0
14	CLA	B1	819	60/65	0.84	0.51	156,166,174,176	0
14	CLA	B6	815	45/65	0.84	0.38	160,167,176,181	0
14	CLA	B3	1816	65/65	0.84	0.42	159,165,173,180	0
14	CLA	A4	808	65/65	0.84	0.65	159,165,174,178	0
16	BCR	A3	852	40/40	0.84	0.84	150,156,159,160	0
17	LHG	A2	1654	27/49	0.84	0.37	150,154,166,169	0
14	CLA	B6	820	47/65	0.84	0.47	157,173,176,178	0
17	LHG	A3	853	49/49	0.84	0.91	150,154,165,168	0
14	CLA	L2	207	65/65	0.84	0.50	151,157,170,175	0
14	CLA	A4	836	65/65	0.84	0.41	150,162,171,175	0
14	CLA	B5	1828	65/65	0.84	0.53	150,158,166,168	0
14	CLA	A4	838	65/65	0.84	0.41	150,162,172,178	0
14	CLA	B5	1831	65/65	0.84	0.70	150,154,173,175	0
14	CLA	B4	830	65/65	0.84	0.48	150,166,171,174	0
14	CLA	B4	832	45/65	0.84	0.47	162,171,179,180	0
14	CLA	A4	811	54/65	0.84	0.41	158,163,172,173	0
14	CLA	B6	840	65/65	0.84	0.45	150,151,165,169	0
14	CLA	A2	1624	49/65	0.84	0.45	156,167,176,180	0
14	CLA	B3	1839	60/65	0.84	0.72	154,162,168,172	0
14	CLA	B5	1842	65/65	0.84	0.43	150,150,159,171	0
14	CLA	B4	803	65/65	0.84	0.61	150,157,173,177	0
14	CLA	B4	840	65/65	0.84	0.58	159,167,171,176	0
16	BCR	L6	204	40/40	0.84	0.48	150,151,163,164	0
14	CLA	B3	1820	60/65	0.84	0.69	150,159,166,166	0
14	CLA	B2	812	65/65	0.85	0.46	151,161,167,171	0
14	CLA	B3	1836	45/65	0.85	0.46	160,170,175,181	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	A4	837	47/65	0.85	0.43	150,157,161,164	0
14	CLA	A6	1638	47/65	0.85	0.48	150,156,166,170	0
14	CLA	A2	1619	54/65	0.85	0.40	156,164,170,171	0
14	CLA	A1	834	51/65	0.85	0.61	150,157,164,166	0
16	BCR	I1	103	40/40	0.85	0.81	150,152,167,169	0
14	CLA	B2	816	59/65	0.85	0.53	151,160,165,167	0
14	CLA	B6	812	45/65	0.85	0.34	157,169,173,177	0
14	CLA	B5	1809	65/65	0.85	0.45	150,154,160,166	0
14	CLA	B1	810	65/65	0.85	0.39	150,161,164,166	0
14	CLA	L5	203	65/65	0.85	0.44	150,154,161,184	0
14	CLA	A1	825	65/65	0.85	0.56	150,158,172,177	0
17	LHG	A1	849	27/49	0.85	0.21	162,166,171,172	0
14	CLA	B1	828	65/65	0.85	0.41	153,161,172,176	0
14	CLA	B4	805	65/65	0.85	0.35	152,160,168,170	0
14	CLA	A3	802	65/65	0.85	0.49	150,153,161,165	0
14	CLA	A2	1640	47/65	0.85	0.39	150,153,163,167	0
14	CLA	A2	1642	51/65	0.85	0.56	151,162,173,180	0
14	CLA	L1	207	65/65	0.85	0.41	150,155,163,167	0
14	CLA	B2	810	45/65	0.85	0.43	150,155,163,169	0
14	CLA	A3	820	61/65	0.85	0.82	150,154,168,171	0
17	LHG	A6	1649	49/49	0.85	0.66	150,161,166,168	0
14	CLA	B6	836	45/65	0.85	0.49	165,173,176,178	0
14	CLA	B4	814	45/65	0.85	0.26	162,168,176,178	0
16	BCR	B2	847	40/40	0.85	0.49	150,150,158,161	0
14	CLA	B2	835	45/65	0.85	0.40	156,171,176,179	0
14	CLA	A4	805	65/65	0.85	0.77	157,166,172,187	0
14	CLA	A4	830	50/65	0.85	0.50	150,164,172,173	0
14	CLA	A6	1606	65/65	0.85	0.41	150,150,163,167	0
14	CLA	A5	804	59/65	0.85	0.68	150,155,167,178	0
14	CLA	A3	832	65/65	0.85	0.44	150,150,171,172	0
14	CLA	B5	1833	49/65	0.85	0.79	150,156,168,175	0
14	CLA	A5	811	65/65	0.85	0.52	159,166,175,183	0
14	CLA	B4	820	60/65	0.85	0.43	150,160,169,171	0
14	CLA	B5	1837	45/65	0.85	0.49	162,167,182,190	0
14	CLA	A3	822	49/65	0.86	0.54	159,165,177,182	0
14	CLA	B1	829	65/65	0.86	0.59	159,171,175,177	0
14	CLA	B6	817	59/65	0.86	0.60	163,168,173,175	0
14	CLA	A3	824	59/65	0.86	0.47	150,150,167,173	0
14	CLA	B2	801	65/65	0.86	0.52	150,152,164,168	0
14	CLA	A3	844	41/65	0.86	0.42	150,159,167,173	0
14	CLA	A3	804	59/65	0.86	0.55	150,155,169,171	0
14	CLA	B4	810	65/65	0.86	0.38	151,157,163,164	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	B6	825	46/65	0.86	0.82	162,165,169,170	0
14	CLA	B5	1825	45/65	0.86	0.40	152,159,171,177	0
14	CLA	B3	1806	54/65	0.86	0.49	150,154,162,164	0
14	CLA	B6	829	65/65	0.86	0.42	150,159,166,171	0
14	CLA	B3	1807	65/65	0.86	0.75	150,159,165,169	0
14	CLA	A4	829	65/65	0.86	0.70	152,165,168,169	0
14	CLA	J4	102	37/65	0.86	0.40	150,160,166,166	0
14	CLA	B6	839	47/65	0.86	0.49	151,158,170,173	0
14	CLA	B3	1809	65/65	0.86	0.47	150,157,170,180	0
14	CLA	L4	201	65/65	0.86	0.43	151,157,162,165	0
14	CLA	L4	205	65/65	0.86	0.43	150,155,168,171	0
14	CLA	X4	102	45/65	0.86	0.39	165,175,181,182	0
14	CLA	B4	816	65/65	0.86	0.34	150,162,167,169	0
14	CLA	L6	208	65/65	0.86	0.53	150,157,166,168	0
14	CLA	M6	1201	54/65	0.86	0.43	150,160,165,168	0
14	CLA	A5	802	65/65	0.86	0.51	150,154,160,166	0
14	CLA	A4	831	65/65	0.86	0.36	150,156,171,172	0
14	CLA	A5	808	65/65	0.86	0.40	150,152,165,169	0
14	CLA	A2	1620	54/65	0.86	0.37	150,159,166,171	0
14	CLA	A2	1622	61/65	0.86	0.47	150,159,179,182	0
14	CLA	A4	810	65/65	0.86	0.32	157,172,177,184	0
14	CLA	A2	1623	65/65	0.86	0.60	150,159,164,170	0
14	CLA	A6	1613	60/65	0.86	0.57	150,161,167,169	0
14	CLA	A2	1641	65/65	0.86	0.57	150,161,172,173	0
14	CLA	A6	1618	54/65	0.86	0.73	155,162,169,175	0
14	CLA	B3	1841	47/65	0.86	0.42	150,160,164,171	0
14	CLA	A5	832	65/65	0.86	0.38	150,150,164,170	0
14	CLA	A5	835	45/65	0.86	0.34	156,162,166,170	0
14	CLA	B3	1818	55/65	0.86	0.48	156,161,172,178	0
16	BCR	M2	1202	40/40	0.86	0.40	150,157,162,163	0
14	CLA	A5	840	51/65	0.86	0.81	156,161,172,182	0
14	CLA	A3	817	54/65	0.86	0.59	150,156,161,164	0
14	CLA	B4	802	65/65	0.86	0.60	158,170,177,177	0
14	CLA	B5	1802	65/65	0.86	0.56	158,167,171,179	0
14	CLA	B5	1808	65/65	0.86	0.67	152,159,169,174	0
14	CLA	B6	802	65/65	0.86	0.56	150,152,164,173	0
14	CLA	B5	1812	65/65	0.86	0.42	150,156,171,174	0
14	CLA	B6	806	65/65	0.86	0.65	150,161,171,173	0
14	CLA	B4	828	65/65	0.86	0.69	150,161,168,170	0
14	CLA	A2	1611	65/65	0.86	0.68	154,162,168,174	0
14	CLA	J3	101	45/65	0.87	0.46	167,174,182,190	0
14	CLA	B2	819	47/65	0.87	0.51	162,165,175,176	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	A5	803	65/65	0.87	0.62	150,156,175,176	0
14	CLA	A1	801	65/65	0.87	0.69	151,160,166,172	0
14	CLA	B6	813	65/65	0.87	0.55	159,171,176,181	0
14	CLA	B6	814	65/65	0.87	0.51	150,162,179,188	0
14	CLA	A2	1643	65/65	0.87	0.73	150,159,168,170	0
14	CLA	A5	814	45/65	0.87	0.38	150,156,161,162	0
14	CLA	L3	203	65/65	0.87	0.39	150,157,165,173	0
14	CLA	B4	801	65/65	0.87	0.42	150,159,164,171	0
16	BCR	L4	206	40/40	0.87	0.41	150,159,166,168	0
14	CLA	B6	818	60/65	0.87	0.61	150,159,169,172	0
14	CLA	A3	845	52/65	0.87	0.30	156,160,169,177	0
14	CLA	B1	809	65/65	0.87	0.35	150,156,173,174	0
16	BCR	L5	207	40/40	0.87	0.48	150,156,168,170	0
14	CLA	A5	826	65/65	0.87	0.60	150,152,162,164	0
14	CLA	A1	807	65/65	0.87	0.45	150,158,169,172	0
14	CLA	B2	806	65/65	0.87	0.41	150,153,165,167	0
14	CLA	A1	835	65/65	0.87	0.42	150,163,168,171	0
14	CLA	A5	836	51/65	0.87	0.56	150,150,158,163	0
14	CLA	B5	1840	65/65	0.87	0.54	150,158,167,170	0
14	CLA	A2	1632	65/65	0.87	0.70	150,157,162,163	0
14	CLA	B3	1835	58/65	0.87	0.49	153,162,174,176	0
14	CLA	A3	813	60/65	0.87	0.55	150,153,164,172	0
14	CLA	B4	833	49/65	0.87	0.57	151,159,172,175	0
14	CLA	B1	806	65/65	0.87	0.35	150,156,162,168	0
14	CLA	B5	1804	65/65	0.87	0.45	154,161,165,168	0
14	CLA	B5	1805	65/65	0.87	0.40	151,157,166,169	0
14	CLA	B5	1806	54/65	0.87	0.39	150,152,162,166	0
16	BCR	L3	206	40/40	0.87	0.48	150,150,156,158	0
14	CLA	B2	840	65/65	0.87	0.39	150,152,159,164	0
14	CLA	B4	812	65/65	0.87	0.46	150,154,166,168	0
14	CLA	A6	1623	51/65	0.87	0.54	160,165,174,180	0
14	CLA	A6	1625	65/65	0.87	0.64	150,158,167,171	0
14	CLA	J6	1101	65/65	0.87	0.50	150,159,168,171	0
14	CLA	A2	1638	51/65	0.87	0.43	150,150,157,165	0
14	CLA	A1	829	65/65	0.87	0.66	158,167,171,172	0
14	CLA	B1	833	65/65	0.87	0.35	158,167,175,185	0
14	CLA	L6	203	65/65	0.87	0.45	150,150,162,167	0
14	CLA	B4	842	65/65	0.87	0.41	150,154,165,168	0
14	CLA	B4	825	45/65	0.88	0.35	152,162,168,174	0
14	CLA	B6	833	58/65	0.88	0.66	150,155,176,180	0
14	CLA	B5	1807	65/65	0.88	0.70	152,160,170,178	0
14	CLA	B6	835	45/65	0.88	0.47	160,172,177,183	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors( $\text{\AA}^2$ )	Q<0.9
14	CLA	B2	804	65/65	0.88	0.42	150,154,166,171	0
14	CLA	B5	1811	65/65	0.88	0.44	150,150,166,170	0
16	BCR	L6	209	40/40	0.88	0.50	150,153,163,167	0
14	CLA	B6	837	60/65	0.88	0.68	153,166,171,179	0
14	CLA	B6	838	65/65	0.88	0.39	150,158,171,172	0
14	CLA	A6	1615	45/65	0.88	0.60	150,161,166,169	0
14	CLA	A3	812	54/65	0.88	0.57	150,155,174,178	0
14	CLA	A6	1617	54/65	0.88	0.54	150,156,163,165	0
14	CLA	A2	1621	65/65	0.88	0.43	150,159,168,170	0
14	CLA	B3	1814	45/65	0.88	0.30	159,168,173,180	0
14	CLA	A3	814	45/65	0.88	0.39	150,154,167,178	0
14	CLA	B3	1842	65/65	0.88	0.41	150,150,160,166	0
14	CLA	A6	1626	65/65	0.88	0.49	150,150,161,163	0
14	CLA	A6	1635	45/65	0.88	0.26	150,156,162,166	0
14	CLA	B4	834	65/65	0.88	0.51	157,165,176,179	0
14	CLA	A3	815	45/65	0.88	0.57	158,167,169,174	0
14	CLA	A1	830	50/65	0.88	0.30	155,165,171,173	0
14	CLA	L1	201	65/65	0.88	0.43	150,158,171,173	0
14	CLA	A5	806	65/65	0.88	0.84	157,163,174,178	0
14	CLA	A5	807	51/65	0.88	0.34	156,163,167,175	0
14	CLA	A3	818	54/65	0.88	0.62	150,153,159,163	0
14	CLA	B6	809	65/65	0.88	0.46	150,155,163,170	0
14	CLA	L2	202	65/65	0.88	0.42	150,151,159,167	0
14	CLA	A5	812	54/65	0.88	0.63	150,160,180,188	0
14	CLA	A5	813	60/65	0.88	0.49	150,159,167,168	0
14	CLA	A4	823	59/65	0.88	0.42	150,162,176,184	0
14	CLA	L1	202	65/65	0.88	0.40	150,152,159,167	0
14	CLA	B4	843	65/65	0.88	0.40	150,154,166,169	0
14	CLA	A5	817	54/65	0.88	0.55	153,162,168,170	0
14	CLA	B2	831	65/65	0.88	0.57	150,155,167,169	0
14	CLA	X2	1701	45/65	0.88	0.40	162,170,173,177	0
14	CLA	A4	827	65/65	0.88	0.60	159,170,176,180	0
14	CLA	A4	828	65/65	0.88	0.56	150,158,172,176	0
14	CLA	A3	825	65/65	0.88	0.67	150,157,165,171	0
14	CLA	A5	830	65/65	0.88	0.65	150,159,165,169	0
14	CLA	J5	102	37/65	0.88	0.62	150,158,163,165	0
14	CLA	L1	206	65/65	0.88	0.40	150,153,165,169	0
14	CLA	B1	804	65/65	0.88	0.70	153,161,175,177	0
14	CLA	A3	805	65/65	0.88	0.69	150,150,167,170	0
14	CLA	B3	1829	65/65	0.88	0.49	150,154,166,171	0
14	CLA	A5	838	47/65	0.88	0.49	150,158,165,168	0
14	CLA	B3	1830	65/65	0.88	0.43	150,156,165,171	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors( $\text{\AA}^2$ )	Q<0.9
14	CLA	A1	817	54/65	0.88	0.53	151,161,168,169	0
14	CLA	B6	827	65/65	0.88	0.70	150,156,165,170	0
14	CLA	B3	1804	65/65	0.88	0.73	150,155,162,163	0
15	PQN	B2	841	33/33	0.88	0.45	150,152,165,167	0
15	PQN	A3	846	33/33	0.88	1.08	150,156,160,161	0
14	CLA	B5	1803	65/65	0.88	0.60	150,155,170,173	0
14	CLA	A2	1633	50/65	0.88	0.46	150,157,164,168	0
14	CLA	B5	1810	65/65	0.89	0.43	150,150,169,176	0
14	CLA	A3	837	51/65	0.89	0.47	150,150,152,161	0
14	CLA	A3	839	47/65	0.89	0.40	150,152,156,159	0
14	CLA	B2	833	45/65	0.89	0.49	150,165,171,173	0
14	CLA	A5	809	65/65	0.89	0.49	150,153,165,167	0
14	CLA	B1	811	65/65	0.89	0.40	150,150,165,168	0
14	CLA	A2	1628	65/65	0.89	0.43	150,150,167,171	0
14	CLA	B3	1802	65/65	0.89	0.62	151,157,168,172	0
14	CLA	A2	1629	65/65	0.89	0.46	150,158,169,174	0
14	CLA	A6	1621	65/65	0.89	0.58	150,153,165,171	0
14	CLA	B2	839	65/65	0.89	0.38	150,154,163,167	0
15	PQN	A6	1642	33/33	0.89	0.98	150,160,166,170	0
14	CLA	B3	1834	65/65	0.89	0.66	152,159,168,170	0
16	BCR	I5	102	40/40	0.89	0.47	150,150,169,171	0
14	CLA	A2	1613	65/65	0.89	0.59	151,161,170,174	0
14	CLA	B6	832	65/65	0.89	0.57	150,158,173,175	0
14	CLA	A6	1630	65/65	0.89	0.42	150,154,160,161	0
16	BCR	L2	208	40/40	0.89	0.44	150,150,161,165	0
14	CLA	A2	1604	65/65	0.89	0.73	150,158,170,174	0
14	CLA	B2	820	45/65	0.89	0.40	163,167,179,190	0
14	CLA	A5	827	65/65	0.89	0.63	151,157,165,166	0
14	CLA	B2	802	65/65	0.89	0.65	150,155,169,172	0
14	CLA	B5	1829	65/65	0.89	0.63	150,156,169,170	0
14	CLA	A5	829	65/65	0.89	0.64	150,158,166,168	0
14	CLA	B2	803	65/65	0.89	0.42	150,153,157,160	0
14	CLA	B2	823	54/65	0.89	0.46	150,154,165,174	0
14	CLA	B6	805	65/65	0.89	0.45	150,154,161,163	0
14	CLA	B5	1834	65/65	0.89	0.59	154,160,168,169	0
14	CLA	A2	1608	65/65	0.89	0.60	150,152,165,173	0
14	CLA	B6	807	65/65	0.89	0.49	151,159,166,168	0
14	CLA	B2	827	65/65	0.89	0.42	150,156,164,166	0
14	CLA	J6	1103	37/65	0.89	0.29	150,157,165,166	0
14	CLA	A5	841	65/65	0.89	0.64	150,154,168,175	0
14	CLA	A2	1637	45/65	0.89	0.31	152,156,167,173	0
14	CLA	A2	1609	51/65	0.89	0.42	156,163,173,174	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors( $\text{\AA}^2$ )	Q<0.9
16	BCR	I3	102	40/40	0.89	0.47	150,152,159,165	0
14	CLA	A3	803	65/65	0.89	0.64	150,160,167,169	0
14	CLA	L6	207	65/65	0.89	0.45	150,150,166,169	0
14	CLA	A4	820	65/65	0.89	0.53	155,163,172,177	0
14	CLA	A3	826	65/65	0.89	0.46	150,150,165,169	0
20	CA	L1	204	1/1	0.89	0.72	150,150,150,150	0
20	CA	L1	208	1/1	0.89	0.63	150,150,150,150	0
14	CLA	A6	1607	51/65	0.89	0.34	157,163,166,168	0
14	CLA	A1	832	54/65	0.89	0.51	154,161,172,180	0
14	CLA	B4	831	65/65	0.89	0.48	150,153,168,172	0
14	CLA	A5	805	65/65	0.89	0.63	150,162,170,172	0
14	CLA	A6	1627	65/65	0.90	0.55	150,156,175,176	0
14	CLA	B2	809	65/65	0.90	0.43	150,154,162,168	0
14	CLA	A6	1633	65/65	0.90	0.40	150,155,163,172	0
14	CLA	B2	836	60/65	0.90	0.51	154,159,166,168	0
14	CLA	A6	1636	51/65	0.90	0.48	150,150,159,167	0
14	CLA	A3	801	65/65	0.90	0.66	150,156,168,172	0
14	CLA	A5	831	50/65	0.90	0.50	156,161,167,170	0
14	CLA	A6	1639	51/65	0.90	0.48	150,155,165,173	0
14	CLA	A6	1640	65/65	0.90	0.71	150,155,170,178	0
14	CLA	B2	825	65/65	0.90	0.66	150,155,168,177	0
14	CLA	A4	841	65/65	0.90	0.43	150,155,167,171	0
14	CLA	B3	1805	65/65	0.90	0.47	150,154,161,169	0
14	CLA	B6	804	65/65	0.90	0.67	150,156,170,174	0
14	CLA	A3	819	65/65	0.90	0.64	150,156,166,176	0
14	CLA	A5	842	65/65	0.90	0.41	150,155,162,167	0
14	CLA	B2	826	65/65	0.90	0.43	150,156,167,170	0
14	CLA	A2	1610	65/65	0.90	0.88	150,159,166,168	0
14	CLA	A6	1603	65/65	0.90	0.64	151,159,173,176	0
14	CLA	B6	810	65/65	0.90	0.41	150,151,159,166	0
14	CLA	B3	1810	65/65	0.90	0.39	150,155,172,175	0
14	CLA	A4	801	65/65	0.90	0.43	150,159,166,167	0
14	CLA	B4	829	65/65	0.90	0.40	150,158,170,174	0
14	CLA	B2	811	45/65	0.90	0.29	150,160,169,175	0
14	CLA	A2	1626	59/65	0.90	0.52	150,152,165,167	0
14	CLA	A6	1611	65/65	0.90	0.43	156,161,167,170	0
14	CLA	B2	813	65/65	0.90	0.41	155,160,169,173	0
14	CLA	B2	832	58/65	0.90	0.55	156,167,180,182	0
14	CLA	L5	204	65/65	0.90	0.40	150,159,167,172	0
14	CLA	A3	827	65/65	0.90	0.60	150,150,166,167	0
14	CLA	A4	807	65/65	0.90	0.68	151,162,174,175	0
14	CLA	A3	811	65/65	0.90	0.51	152,163,169,173	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	B6	822	55/65	0.90	0.22	154,165,172,173	0
14	CLA	A2	1636	54/65	0.90	0.41	150,150,160,165	0
14	CLA	A6	1619	65/65	0.90	0.64	150,159,169,176	0
14	CLA	L2	206	65/65	0.90	0.41	150,151,167,169	0
14	CLA	A4	832	65/65	0.90	0.38	150,154,162,163	0
14	CLA	A4	833	54/65	0.90	0.32	150,157,168,169	0
14	CLA	B6	828	65/65	0.90	0.66	150,161,170,173	0
14	CLA	B2	808	65/65	0.90	0.39	150,156,165,169	0
14	CLA	B3	1843	65/65	0.90	0.41	150,150,154,156	0
14	CLA	A3	821	65/65	0.91	0.60	150,150,160,171	0
14	CLA	B3	1827	46/65	0.91	0.51	150,164,170,172	0
14	CLA	L4	204	65/65	0.91	0.46	150,153,166,171	0
14	CLA	B3	1811	65/65	0.91	0.44	150,151,166,167	0
14	CLA	A6	1629	65/65	0.91	0.50	150,150,158,159	0
14	CLA	A5	834	54/65	0.91	0.43	150,157,162,167	0
14	CLA	B3	1812	65/65	0.91	0.43	150,151,160,163	0
14	CLA	A2	1639	65/65	0.91	0.35	150,156,169,171	0
14	CLA	L3	204	65/65	0.91	0.41	150,150,164,166	0
14	CLA	A3	840	65/65	0.91	0.86	154,163,170,175	0
14	CLA	A5	839	65/65	0.91	0.64	154,159,167,175	0
14	CLA	A6	1637	65/65	0.91	0.35	150,154,165,171	0
14	CLA	A3	841	51/65	0.91	0.60	150,154,165,175	0
14	CLA	A2	1630	65/65	0.91	0.61	152,159,172,173	0
14	CLA	B4	836	45/65	0.91	0.26	150,165,171,173	0
14	CLA	A2	1635	65/65	0.91	0.42	150,152,157,160	0
14	CLA	A4	840	65/65	0.91	0.65	150,157,171,175	0
17	LHG	A4	851	27/49	0.91	0.31	160,171,177,179	0
14	CLA	A2	1631	65/65	0.91	0.62	150,154,163,164	0
14	CLA	B6	803	65/65	0.91	0.69	157,163,168,173	0
14	CLA	B2	805	65/65	0.91	0.48	154,161,167,174	0
14	CLA	A6	1614	45/65	0.91	0.40	158,164,171,181	0
14	CLA	B6	834	45/65	0.91	0.33	157,166,173,175	0
14	CLA	B3	1803	65/65	0.91	0.71	150,152,164,165	0
14	CLA	A2	1603	65/65	0.91	0.39	150,156,163,167	0
14	CLA	B3	1840	65/65	0.91	0.60	151,158,170,173	0
14	CLA	A3	830	65/65	0.91	0.53	150,156,163,167	0
14	CLA	A3	831	50/65	0.91	0.50	150,155,163,168	0
14	CLA	A5	821	65/65	0.91	0.59	150,158,166,171	0
14	CLA	A2	1614	54/65	0.91	0.26	151,156,168,171	0
14	CLA	A5	823	51/65	0.91	0.42	160,164,176,179	0
14	CLA	A5	824	59/65	0.91	0.53	150,150,162,166	0
14	CLA	B6	841	65/65	0.91	0.38	150,150,156,162	0

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	A3	835	54/65	0.91	0.45	150,150,160,164	0
14	CLA	A6	1622	49/65	0.91	0.35	160,167,175,177	0
14	CLA	A6	1631	50/65	0.92	0.51	150,155,161,166	0
14	CLA	A6	1632	65/65	0.92	0.42	150,150,156,160	0
14	CLA	A3	829	65/65	0.92	0.45	150,150,157,161	0
17	LHG	A3	854	27/49	0.92	0.26	150,151,164,167	0
14	CLA	A6	1634	54/65	0.92	0.44	150,151,164,166	0
14	CLA	B1	841	65/65	0.92	0.40	150,154,159,162	0
14	CLA	X6	1701	45/65	0.92	0.33	162,168,175,176	0
14	CLA	A1	839	65/65	0.92	0.47	150,152,159,163	0
14	CLA	B2	837	65/65	0.92	0.39	150,159,167,169	0
17	LHG	A6	1650	27/49	0.92	0.32	150,157,163,170	0
14	CLA	A6	1602	65/65	0.92	0.49	150,152,160,168	0
14	CLA	A1	831	65/65	0.92	0.42	150,151,158,162	0
14	CLA	L5	205	65/65	0.92	0.39	150,155,167,169	0
18	SF4	C5	101	8/8	0.92	0.14	150,150,150,150	0
14	CLA	A3	836	45/65	0.92	0.32	153,162,167,172	0
14	CLA	L2	205	65/65	0.92	0.39	150,158,163,166	0
14	CLA	A2	1644	65/65	0.92	0.41	150,155,163,168	0
14	CLA	A6	1608	65/65	0.92	0.59	150,155,161,162	0
14	CLA	A5	833	65/65	0.92	0.46	150,150,154,160	0
14	CLA	B2	817	60/65	0.92	0.52	150,158,166,169	0
14	CLA	A3	808	65/65	0.92	0.62	150,150,166,167	0
14	CLA	I6	101	65/65	0.92	0.45	150,155,171,173	0
14	CLA	A3	843	65/65	0.92	0.45	150,150,160,167	0
14	CLA	B2	828	65/65	0.92	0.58	150,159,168,169	0
14	CLA	A3	828	65/65	0.92	0.52	150,157,167,171	0
14	CLA	B6	808	65/65	0.92	0.45	150,156,166,173	0
21	FES	P4	101	4/4	0.92	0.10	164,168,172,180	0
14	CLA	B3	1808	65/65	0.93	0.63	150,160,168,175	0
18	SF4	C1	102	8/8	0.93	0.12	150,157,164,164	0
14	CLA	A6	1628	65/65	0.93	0.46	150,152,167,169	0
14	CLA	L4	203	65/65	0.93	0.42	150,150,169,171	0
14	CLA	A3	806	65/65	0.93	0.45	150,157,163,169	0
14	CLA	A2	1616	45/65	0.93	0.23	152,158,166,168	0
14	CLA	A3	833	65/65	0.93	0.41	150,150,156,161	0
14	CLA	A3	842	65/65	0.93	0.59	150,155,162,163	0
14	CLA	A2	1602	65/65	0.93	0.40	150,152,161,162	0
14	CLA	B1	854	65/65	0.93	0.39	150,151,165,174	0
14	CLA	A6	1624	59/65	0.93	0.51	150,150,167,171	0
14	CLA	B2	807	65/65	0.93	0.38	150,157,161,163	0
14	CLA	A6	1605	65/65	0.93	0.47	150,150,168,172	0

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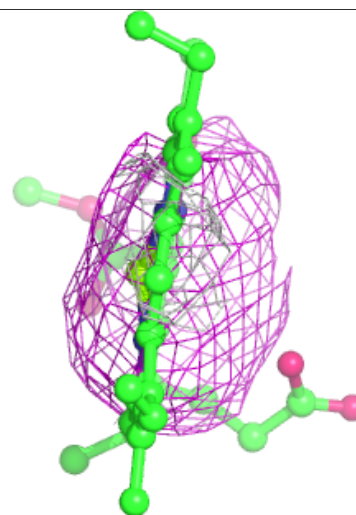
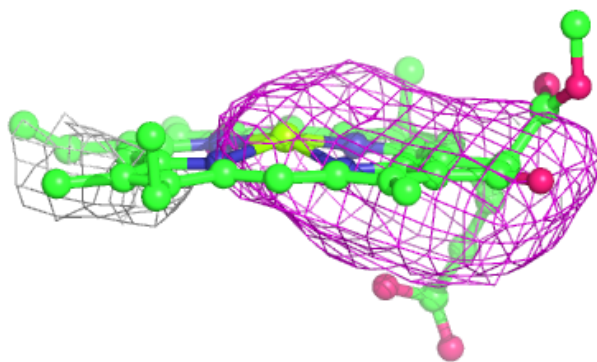
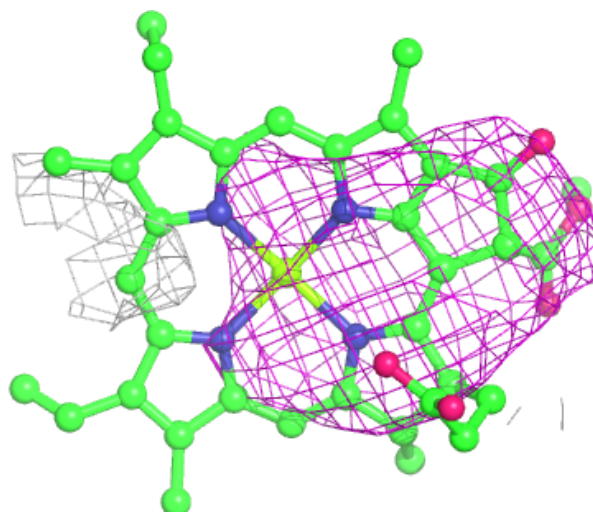
Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å <sup>2</sup> )	Q<0.9
14	CLA	A5	818	54/65	0.93	0.41	150,155,165,168	0
14	CLA	A5	819	65/65	0.93	0.52	150,158,164,166	0
17	LHG	A5	852	27/49	0.93	0.38	154,162,172,174	0
14	CLA	A3	834	65/65	0.94	0.42	150,156,166,169	0
14	CLA	B3	1831	65/65	0.94	0.50	150,156,168,173	0
20	CA	L4	202	1/1	0.94	0.61	150,150,150,150	0
14	CLA	A5	801	65/65	0.94	0.51	150,153,162,165	0
14	CLA	L6	206	65/65	0.94	0.38	150,155,167,174	0
14	CLA	L1	205	65/65	0.94	0.36	150,150,157,161	0
14	CLA	A3	838	65/65	0.94	0.36	150,156,165,167	0
18	SF4	C5	102	8/8	0.95	0.10	150,150,154,154	0
18	SF4	C2	102	8/8	0.95	0.11	150,150,155,155	0
18	SF4	C1	101	8/8	0.95	0.12	150,150,150,153	0
18	SF4	C6	102	8/8	0.96	0.13	150,150,150,150	0
18	SF4	A5	854	8/8	0.96	0.15	150,150,150,150	0
18	SF4	A2	1655	8/8	0.96	0.18	150,150,150,150	0
18	SF4	A1	850	8/8	0.96	0.13	150,150,152,156	0
18	SF4	A4	852	8/8	0.96	0.10	150,150,152,153	0
21	FES	P2	101	4/4	0.96	0.10	160,160,163,168	0
18	SF4	C6	101	8/8	0.96	0.15	150,150,150,150	0
21	FES	P6	101	4/4	0.96	0.16	155,158,163,170	0
18	SF4	C2	101	8/8	0.97	0.17	150,150,150,150	0
18	SF4	C4	101	8/8	0.97	0.12	150,150,150,151	0
18	SF4	C4	102	8/8	0.97	0.08	150,150,159,159	0
18	SF4	C3	101	8/8	0.98	0.18	150,150,150,150	0
18	SF4	C3	102	8/8	0.98	0.17	150,150,150,150	0
21	FES	P3	101	4/4	0.98	0.12	150,150,150,150	0
18	SF4	B6	801	8/8	0.98	0.17	150,150,150,150	0
18	SF4	A3	855	8/8	0.98	0.20	150,150,150,150	0
21	FES	P5	101	4/4	0.98	0.12	161,161,167,168	0

The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation to approximate a three-dimensional view.



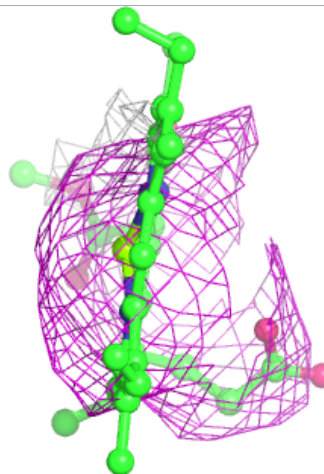
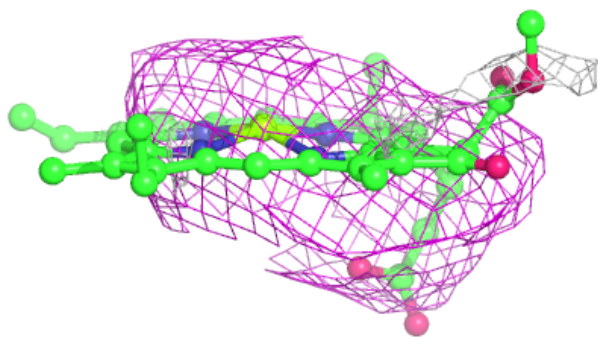
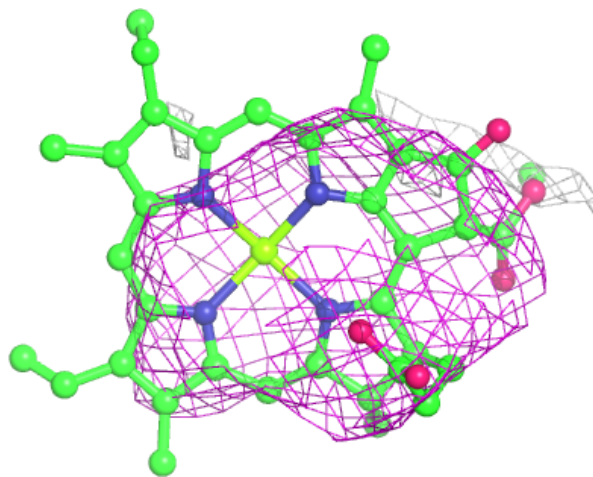
**Electron density around CLA A2 1601:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



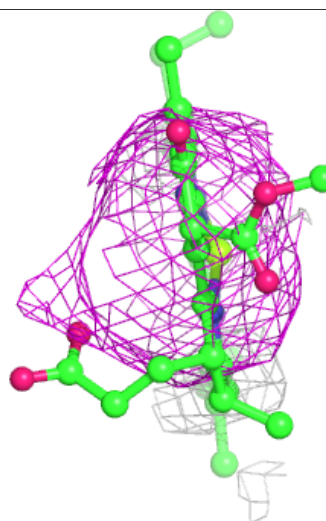
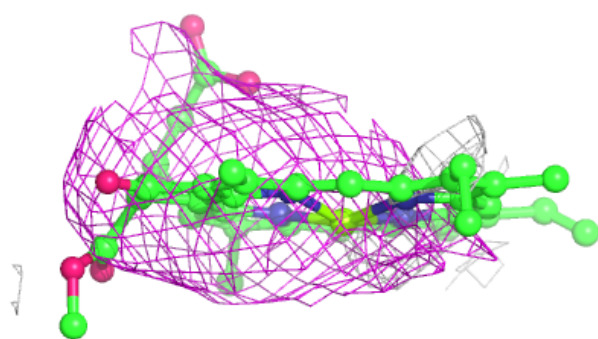
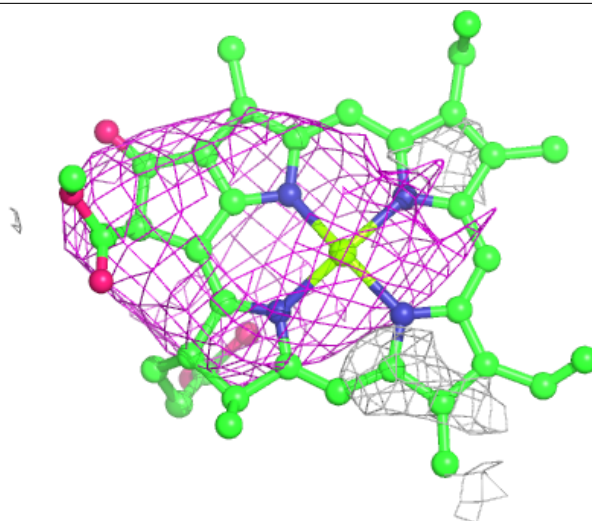
**Electron density around CLA A4 853:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



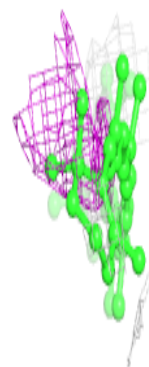
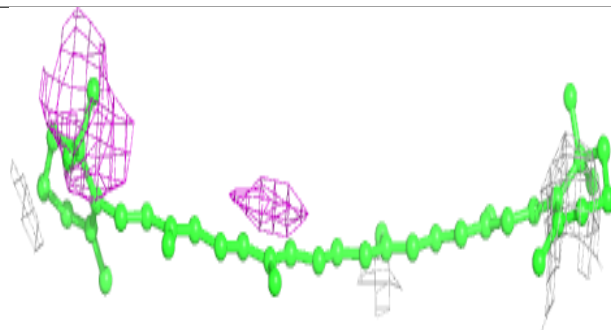
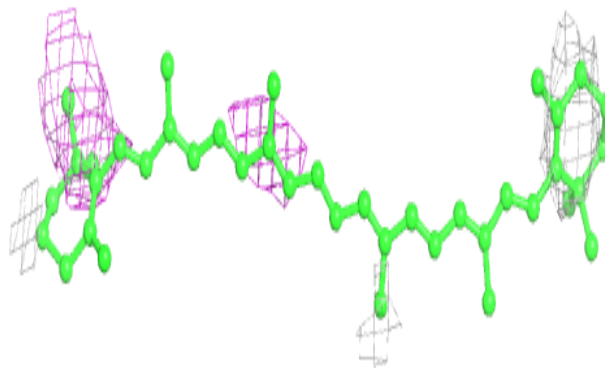
**Electron density around CLA A6 1601:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

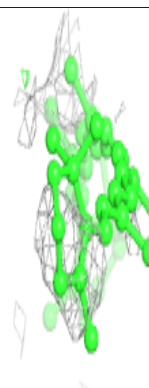
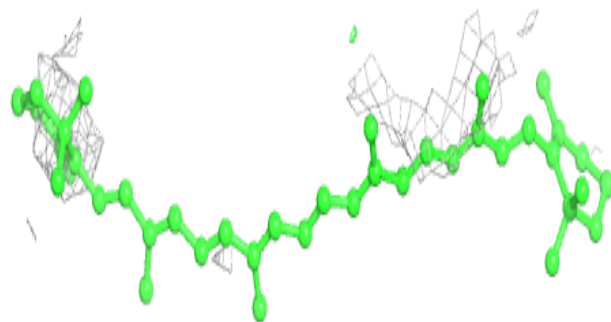
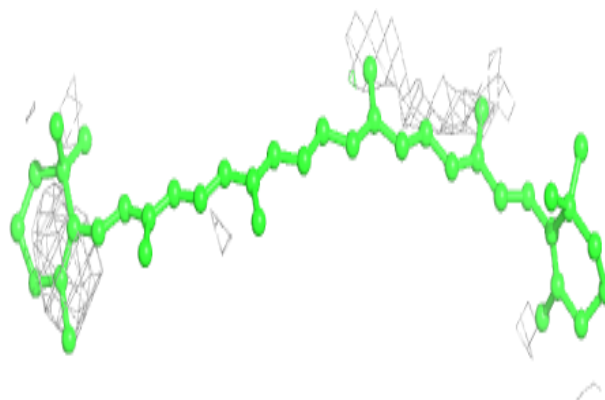


**Electron density around BCR B4 845:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

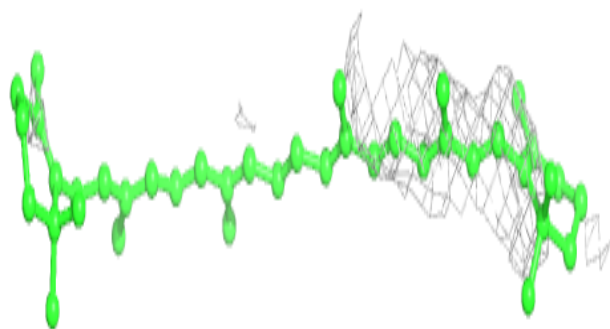
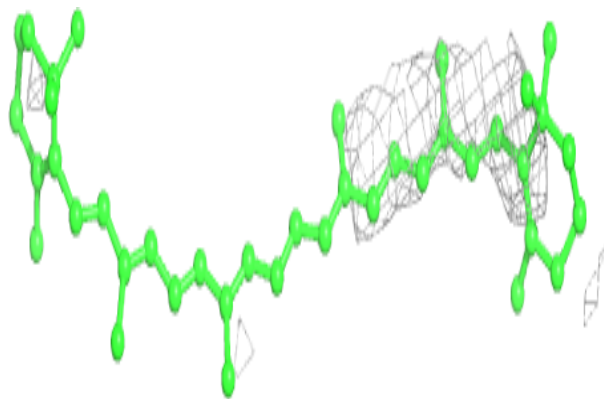
**Electron density around BCR J1 104:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

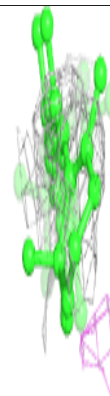
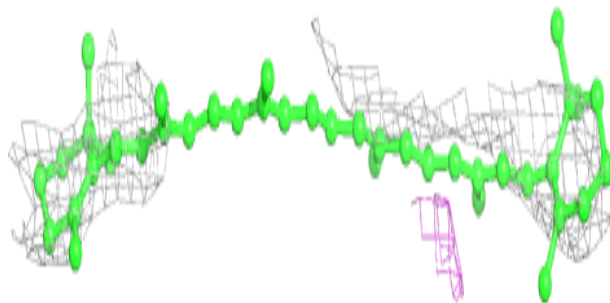
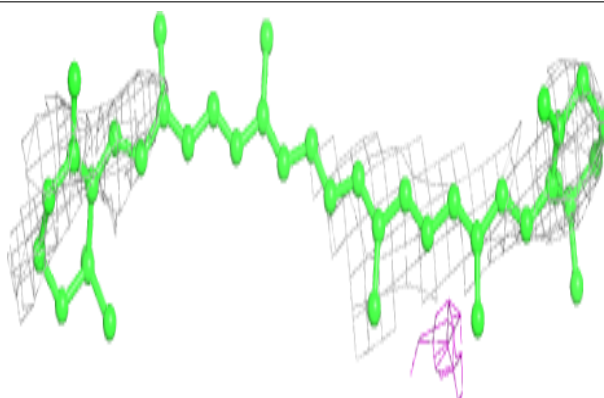


**Electron density around BCR B1 847:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

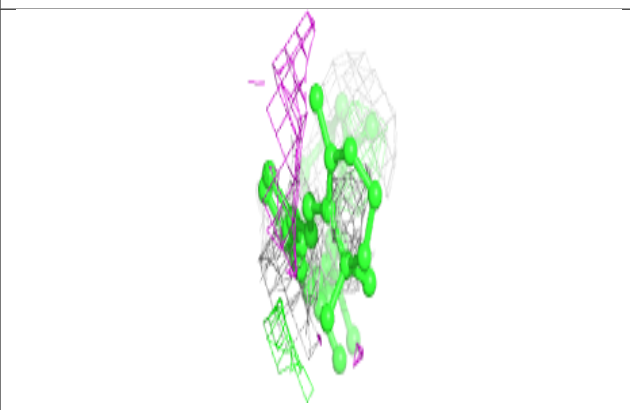
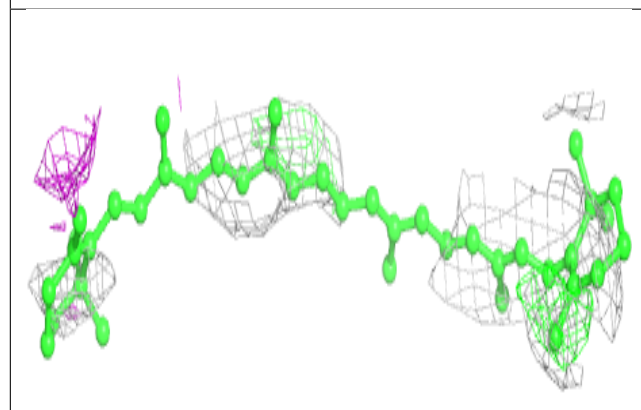
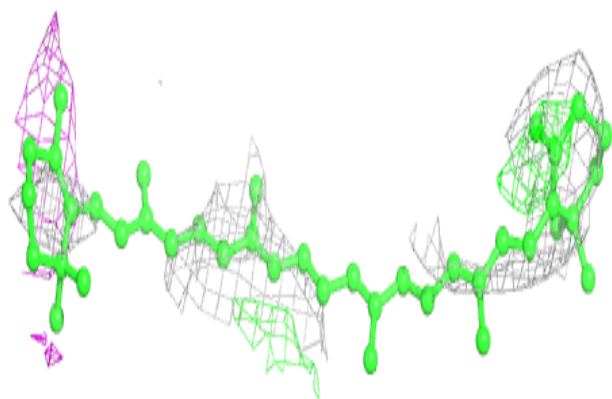
**Electron density around BCR A6 1646:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

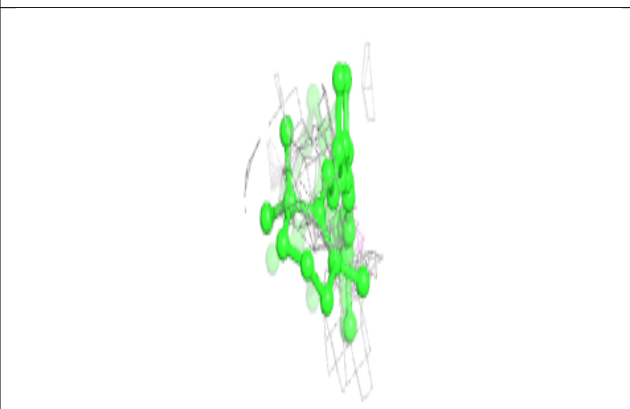
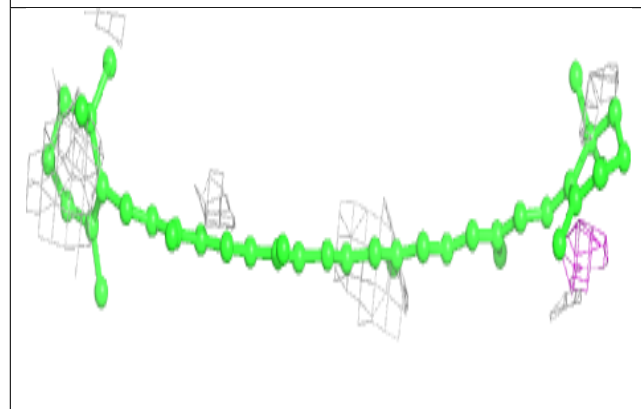
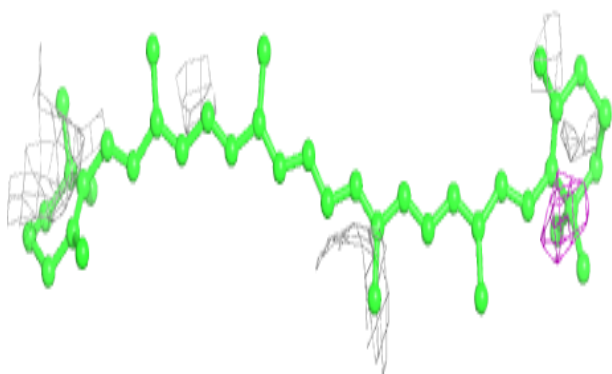


**Electron density around BCR M4 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

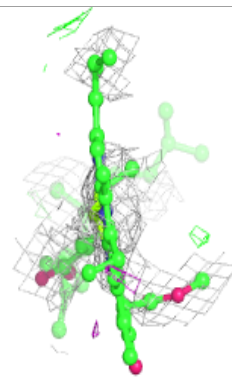
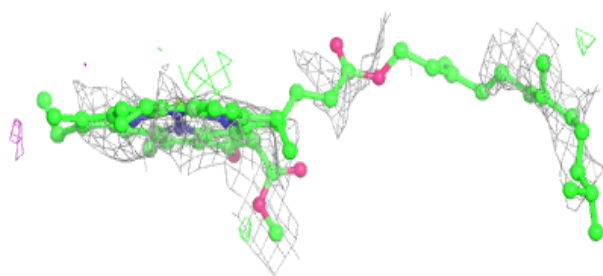
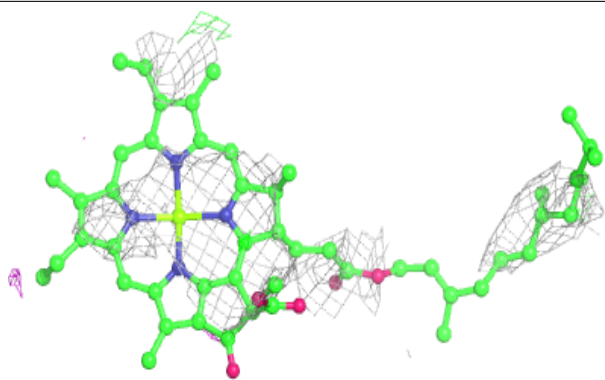
**Electron density around BCR A4 844:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

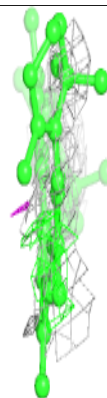
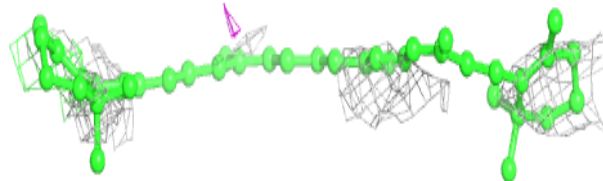
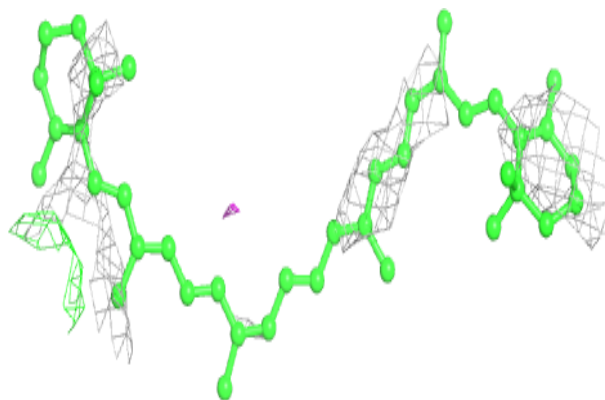


**Electron density around CLA B1 838:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

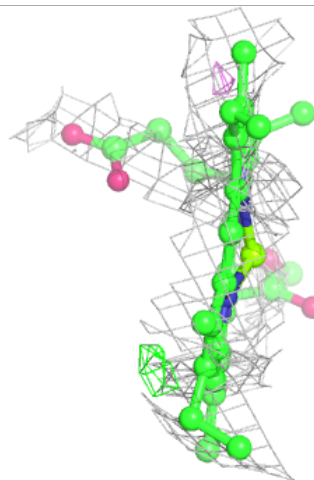
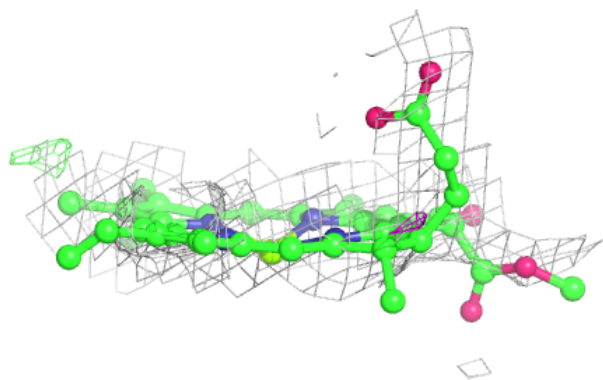
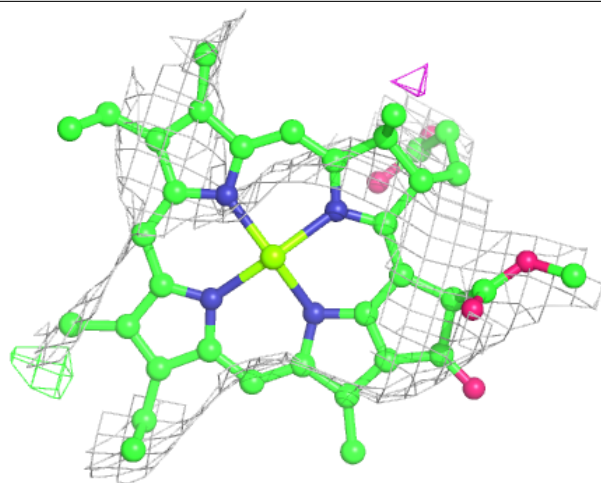
**Electron density around BCR A1 847:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A1 809:**

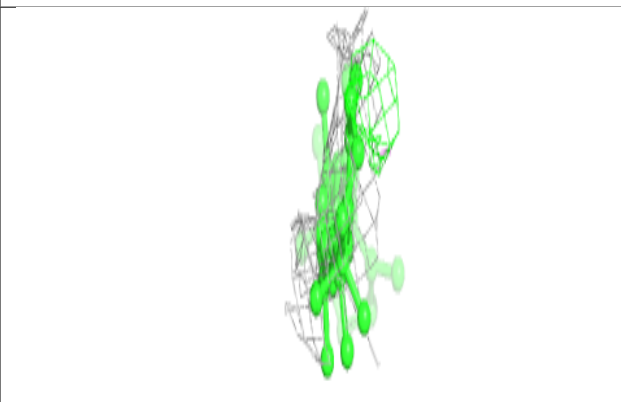
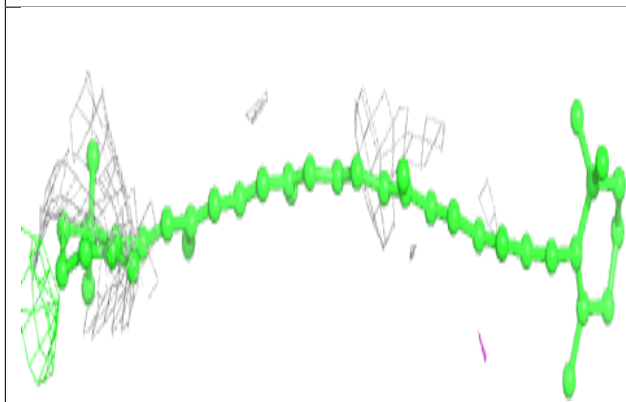
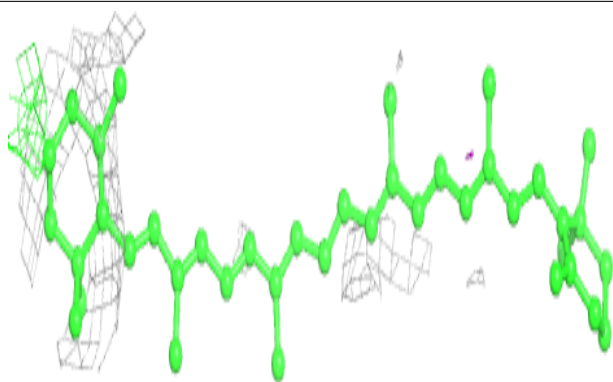
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



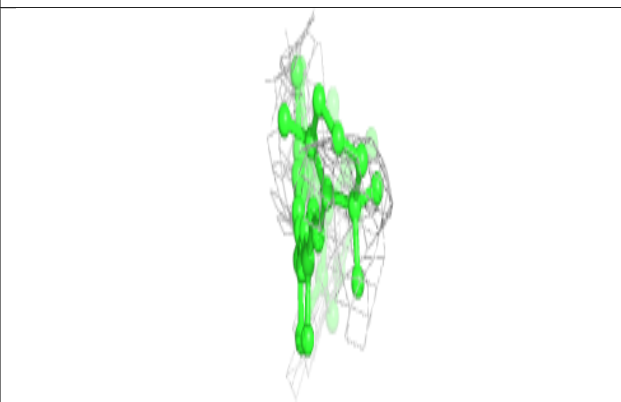
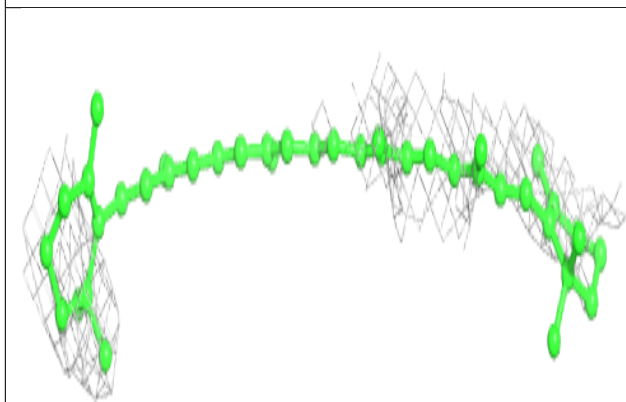
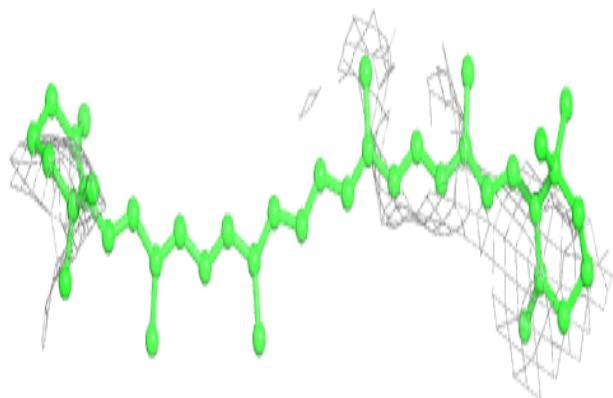


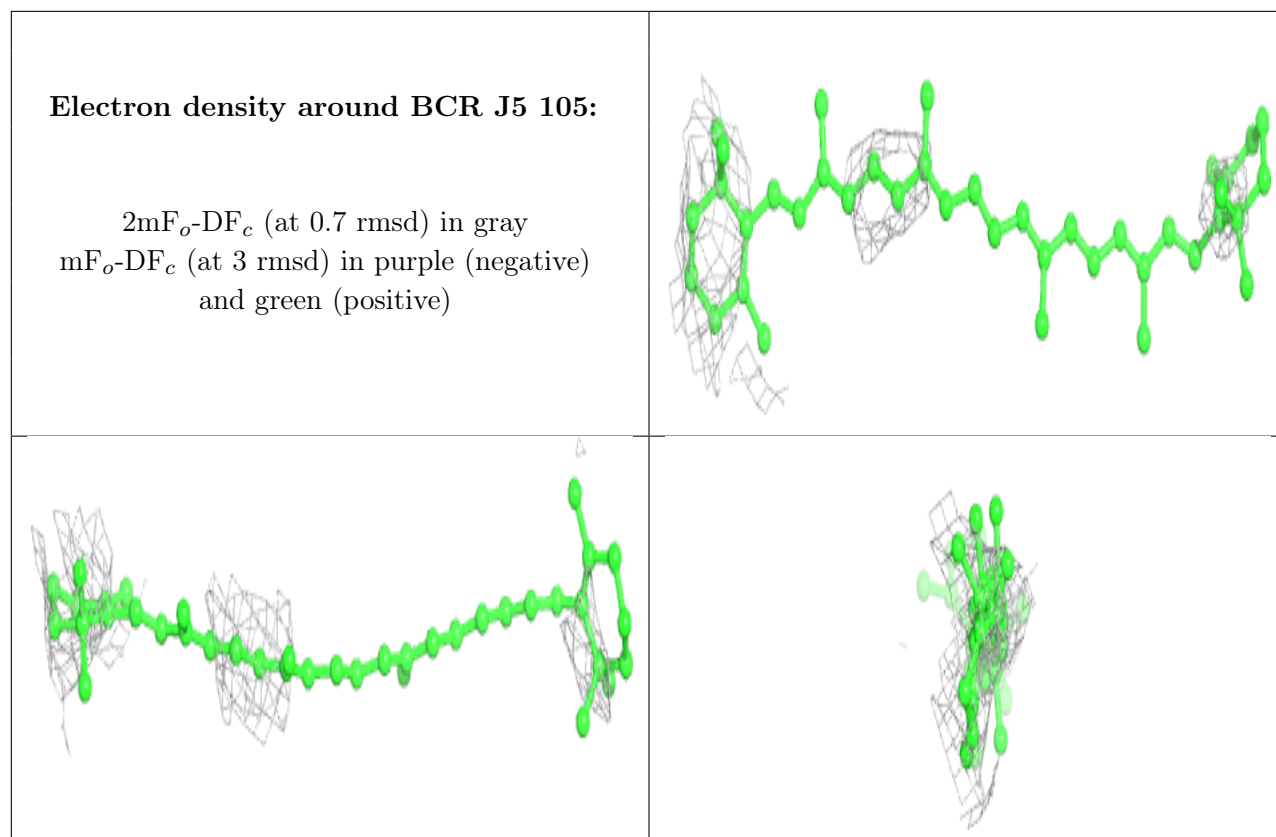
**Electron density around BCR B1 852:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR A1 842:**

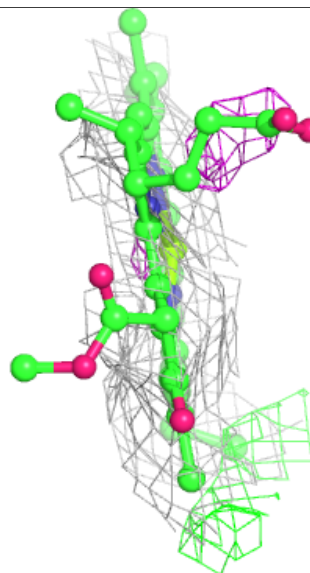
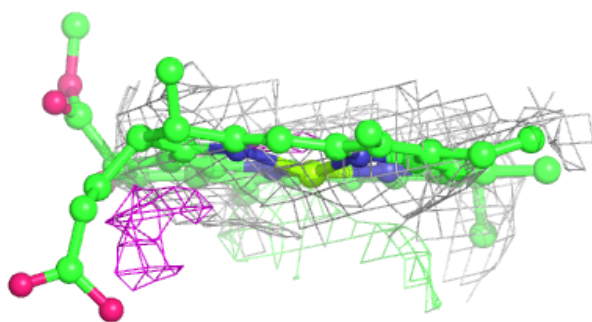
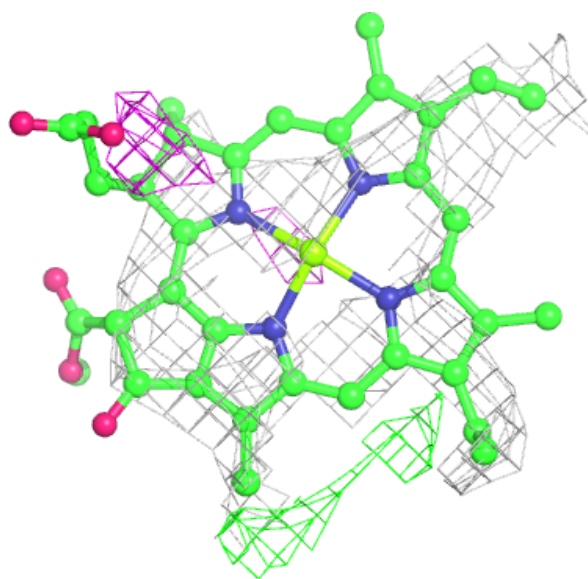
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





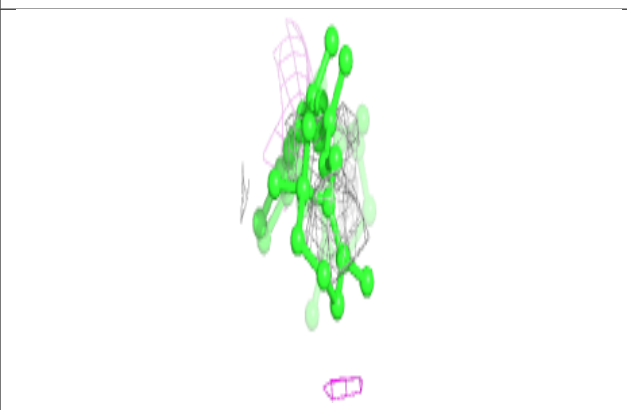
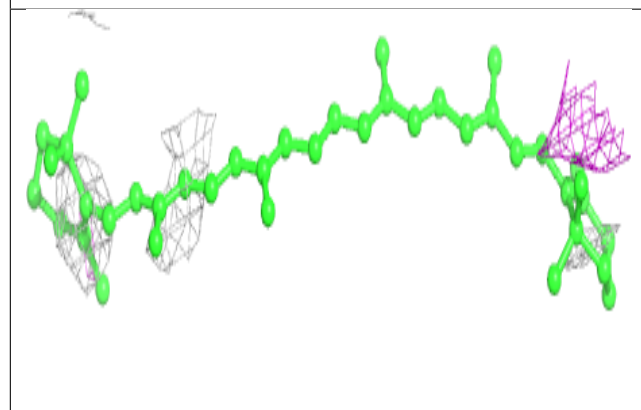
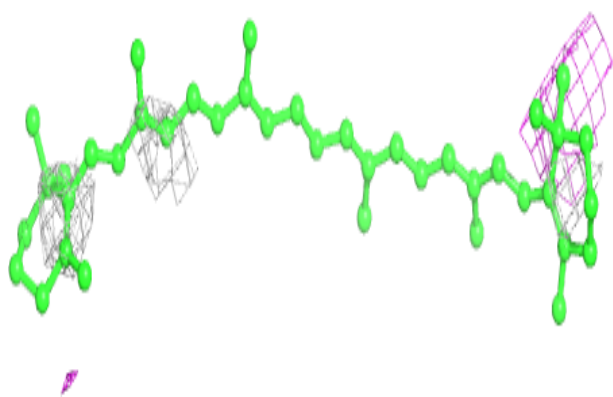
**Electron density around CLA J1 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

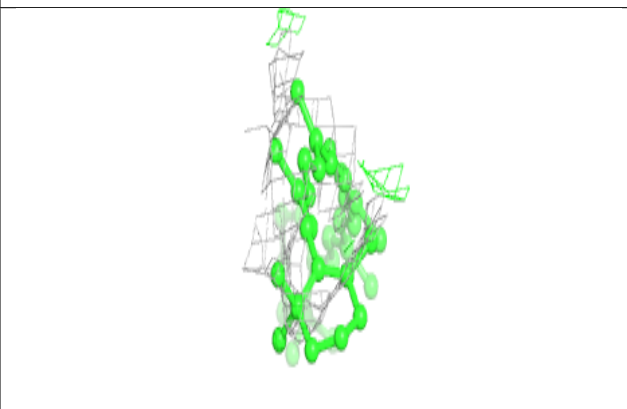
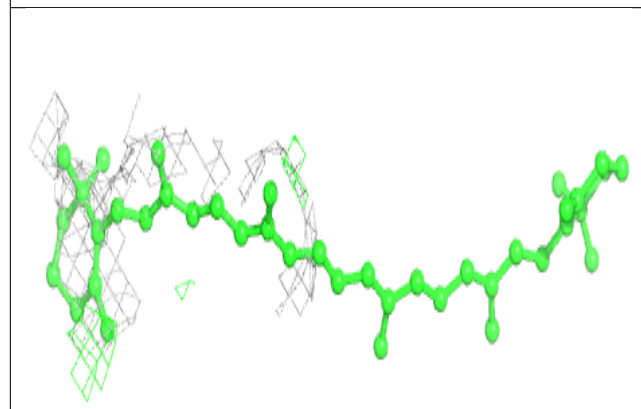
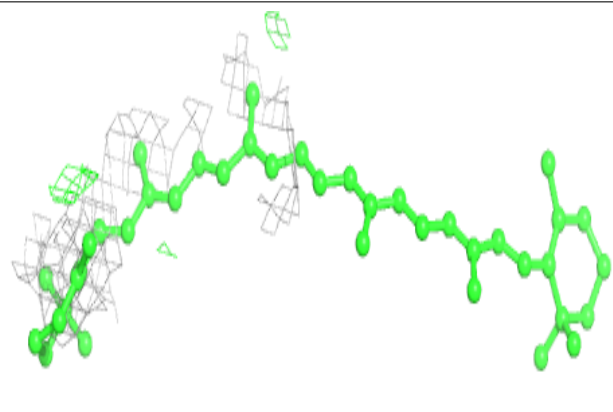


**Electron density around BCR M3 1602:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

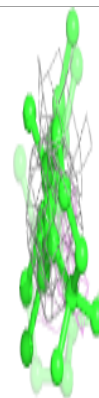
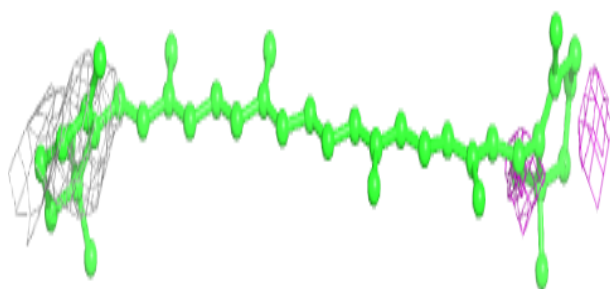
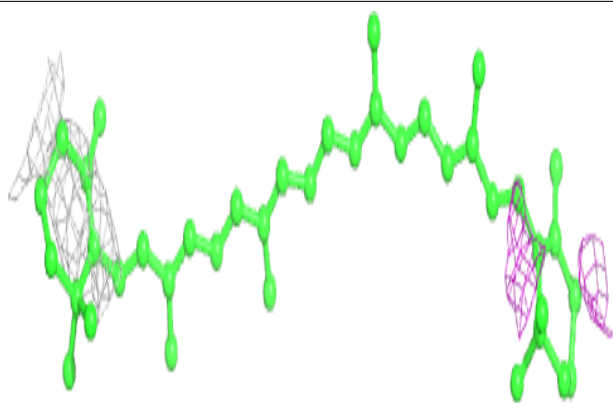
**Electron density around BCR B1 848:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

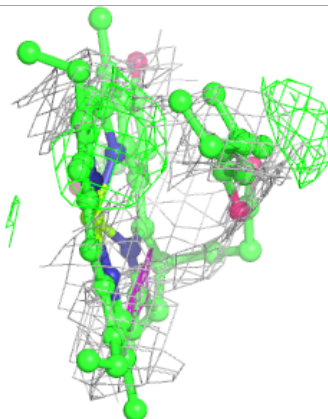
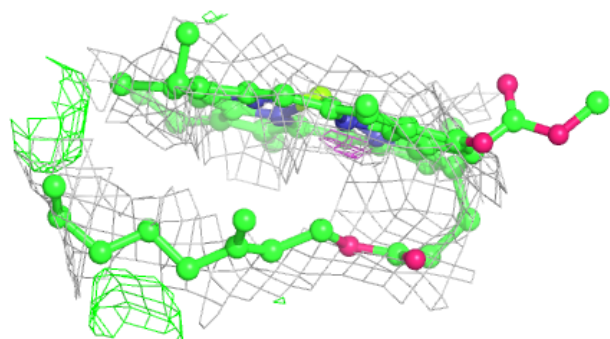
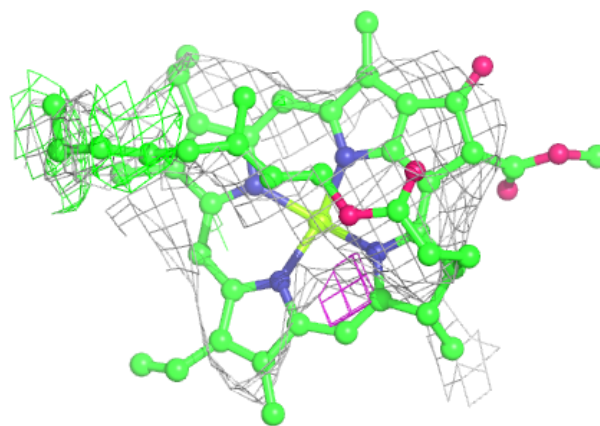


**Electron density around BCR B4 849:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

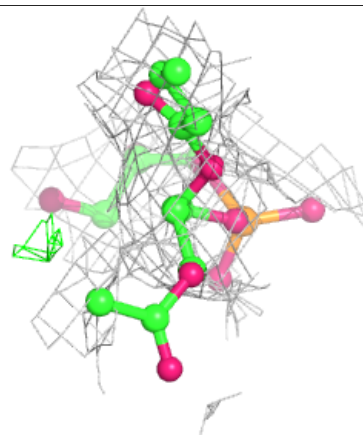
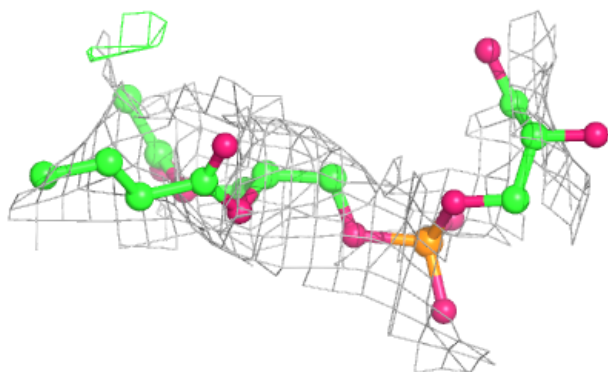
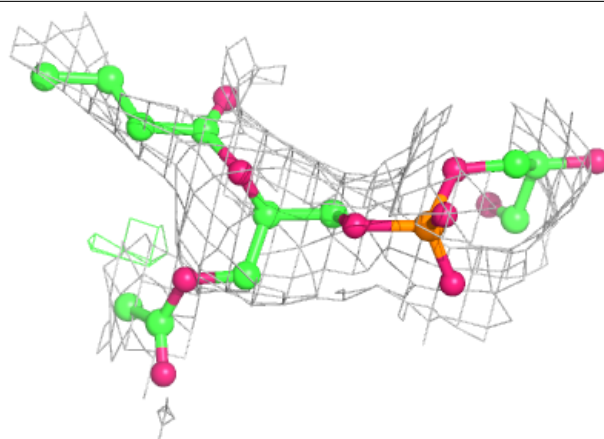
**Electron density around CLA A4 816:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

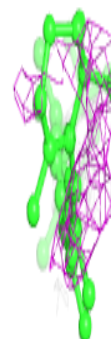
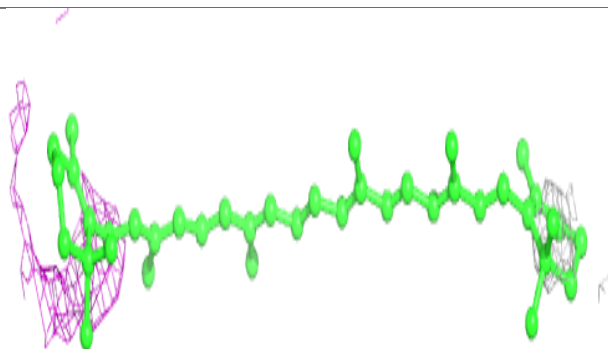
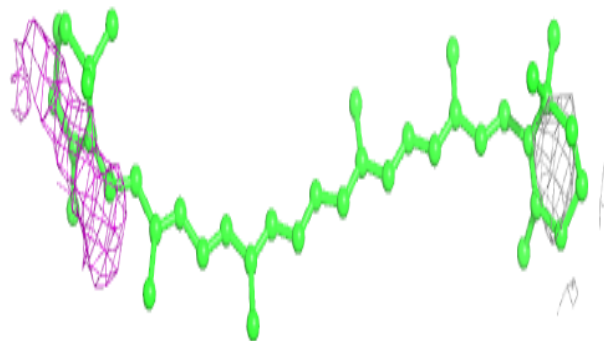


**Electron density around LHG X3 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

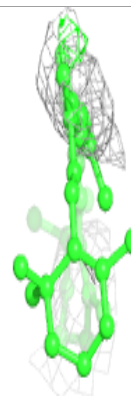
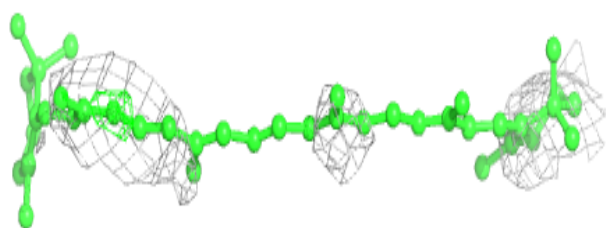
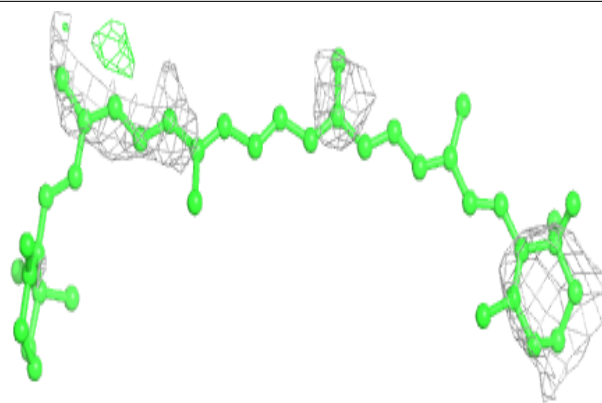
**Electron density around BCR B2 846:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

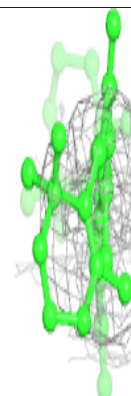
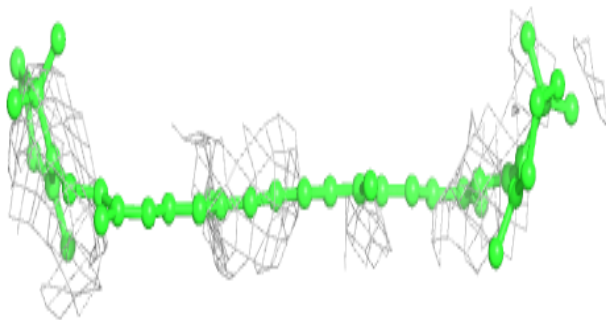
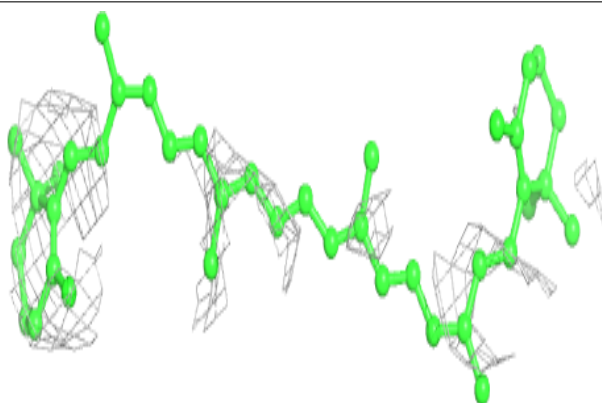


**Electron density around BCR B1 844:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

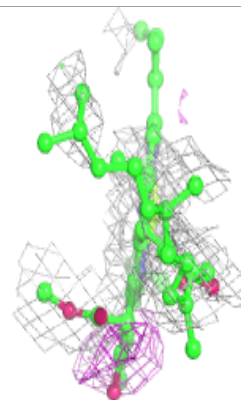
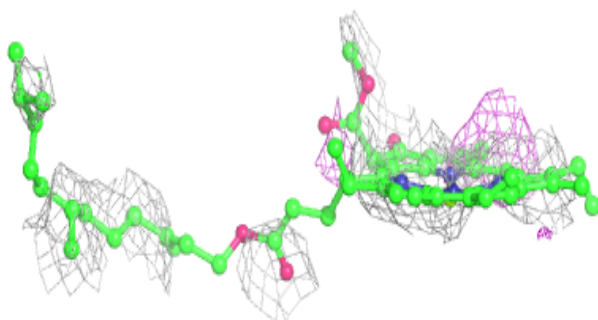
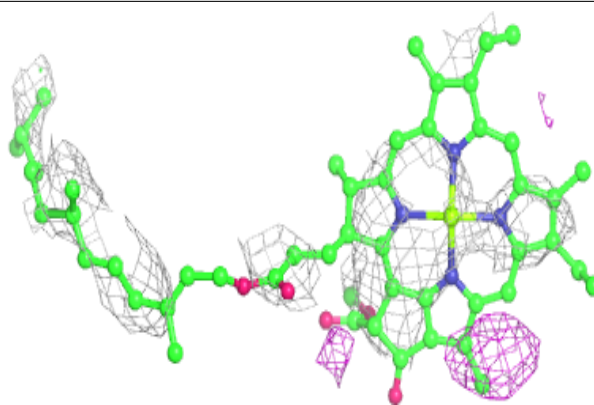
**Electron density around BCR B1 845:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

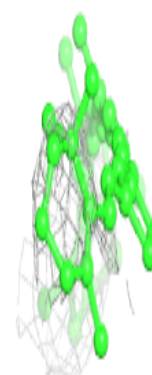
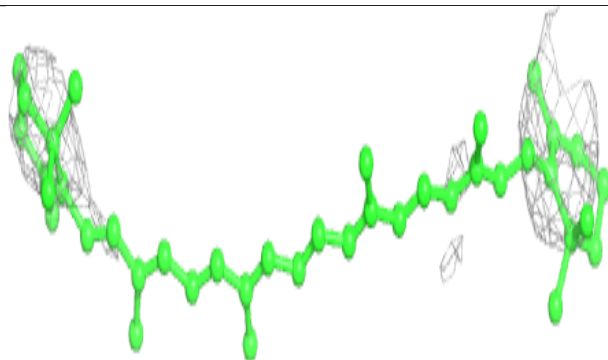
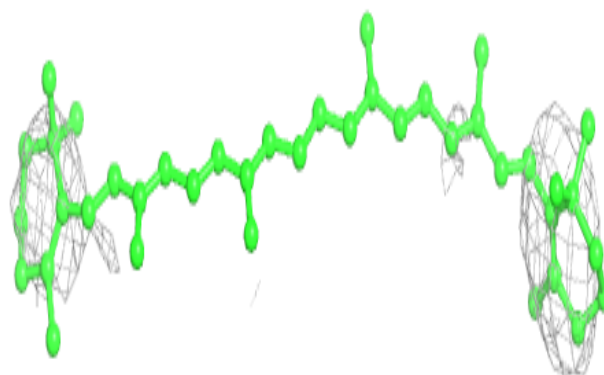


**Electron density around CLA B5 1839:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR M5 101:**

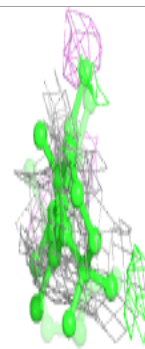
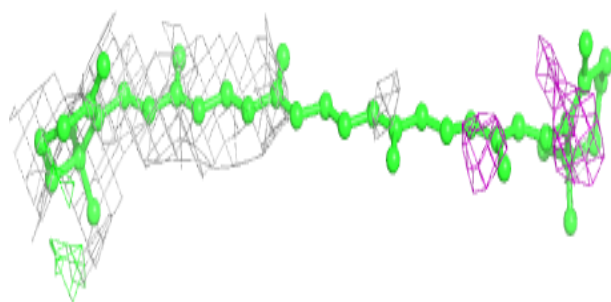
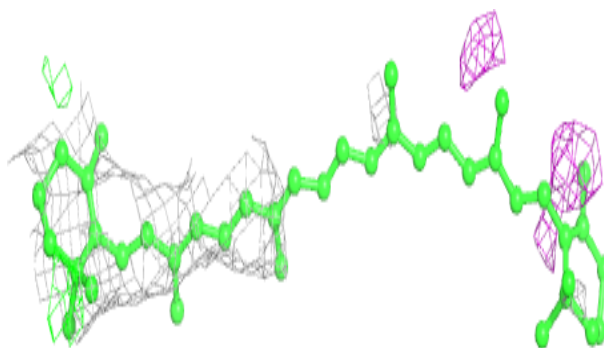
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



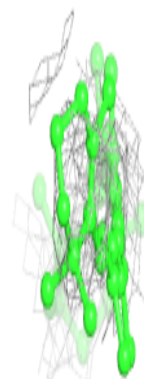
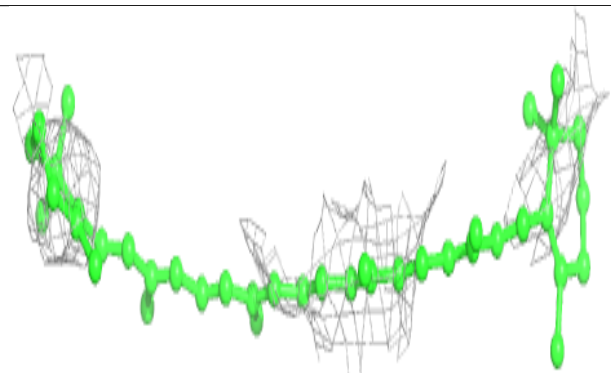
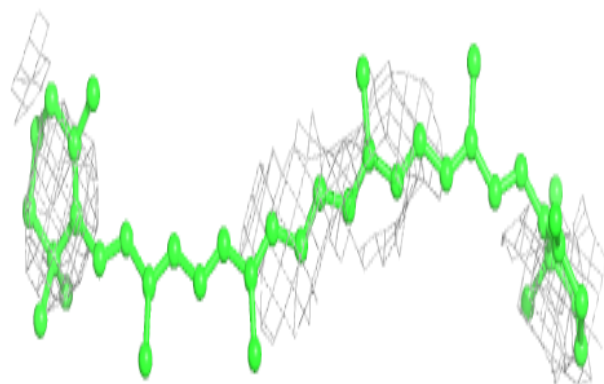


**Electron density around BCR B5 1849:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

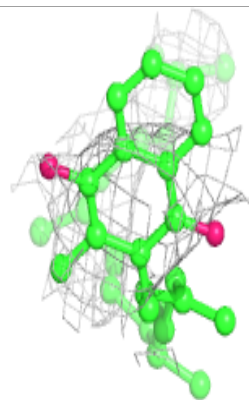
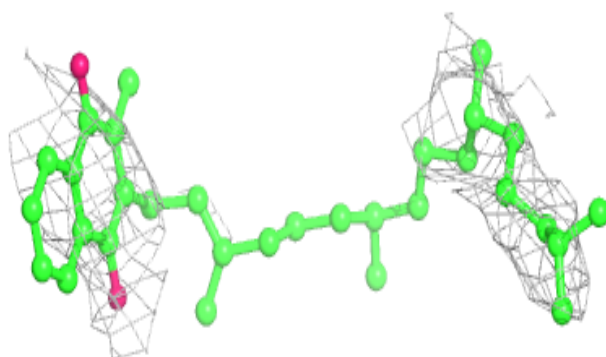
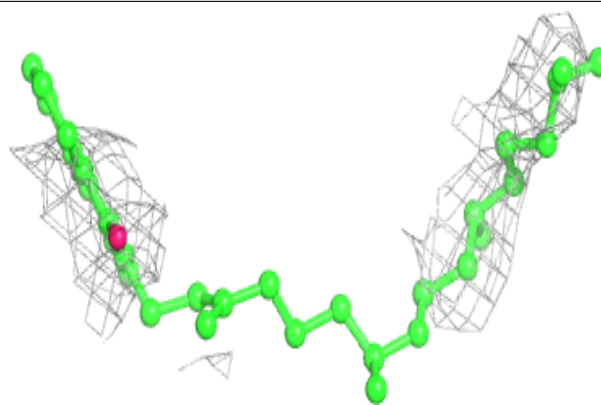
**Electron density around BCR A1 846:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

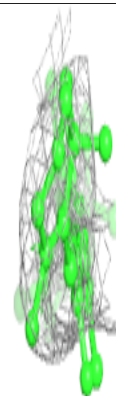
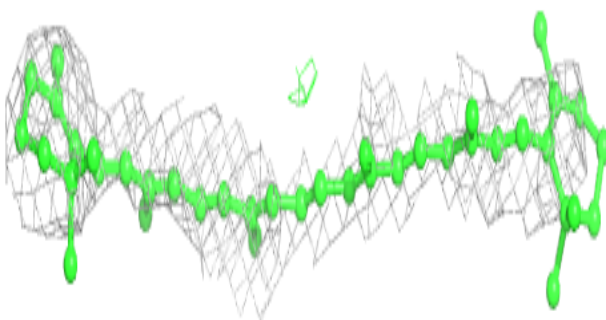
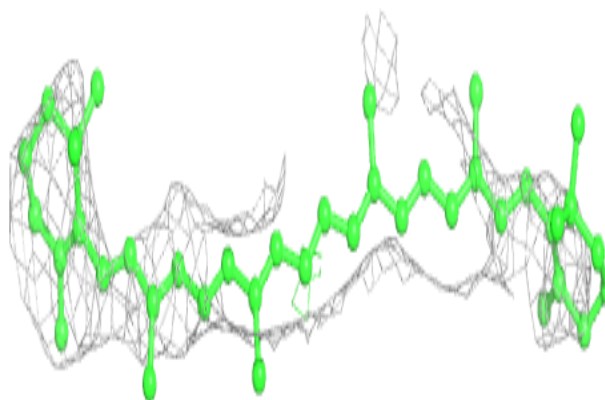


**Electron density around PQN B4 844:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

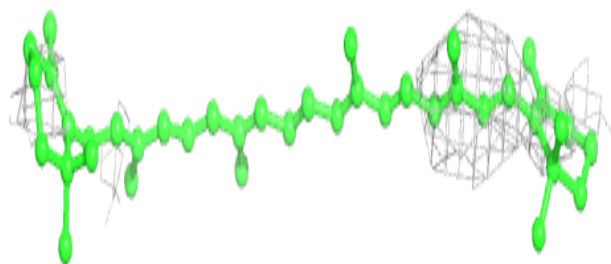
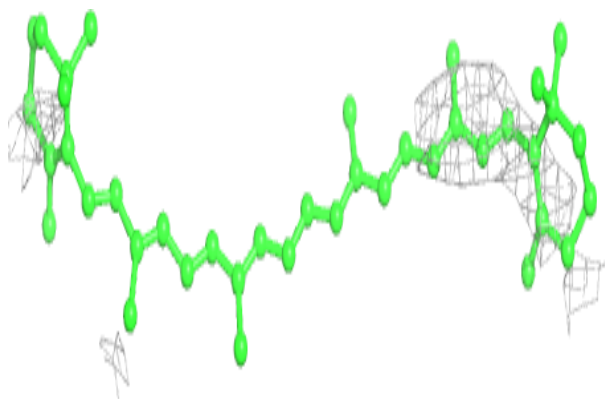
**Electron density around BCR A1 845:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

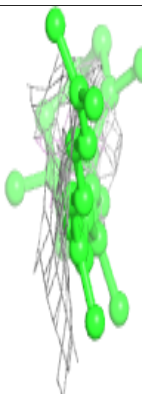
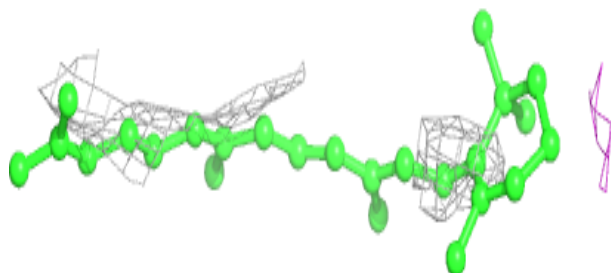
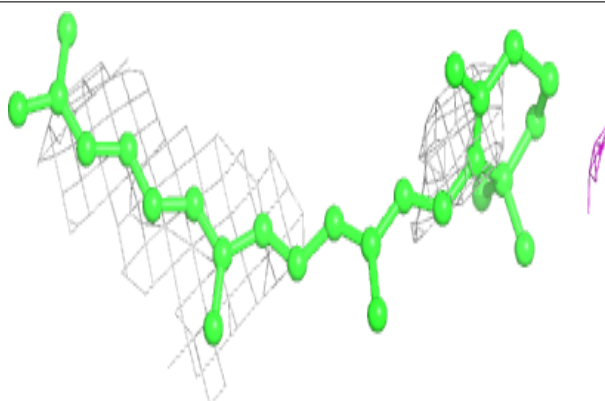


**Electron density around BCR B6 847:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

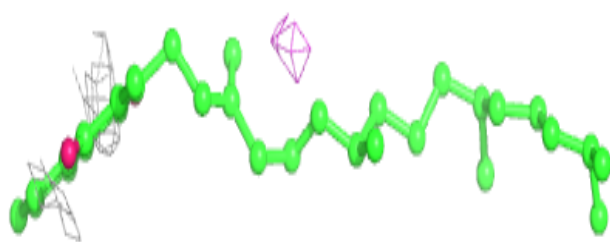
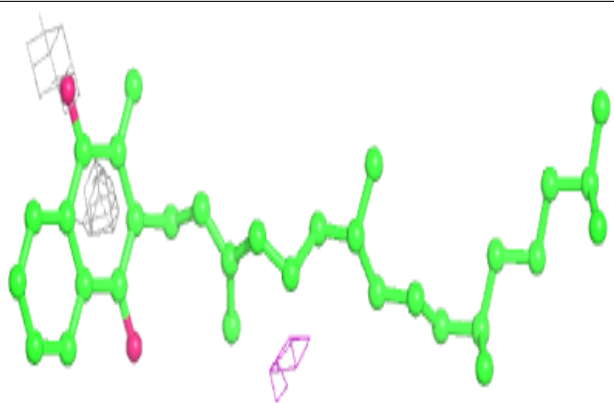
**Electron density around BCR B2 845:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

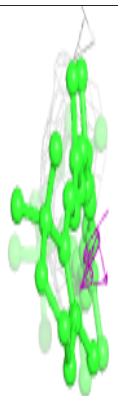
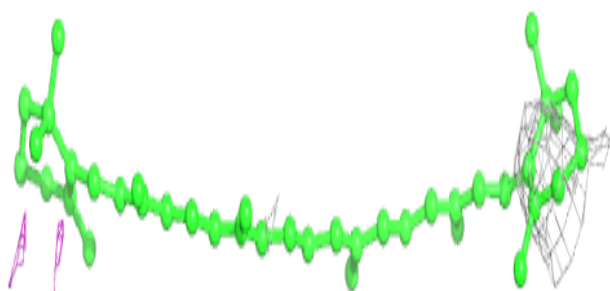
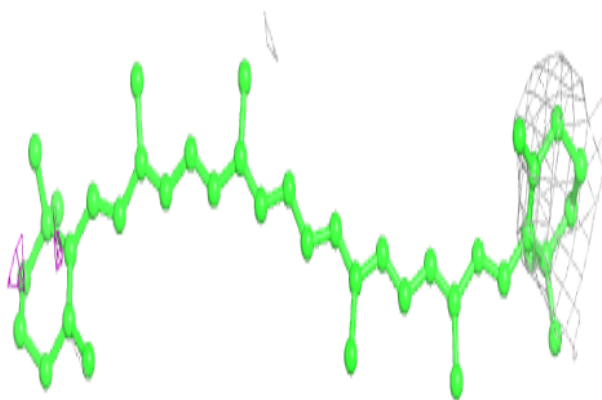


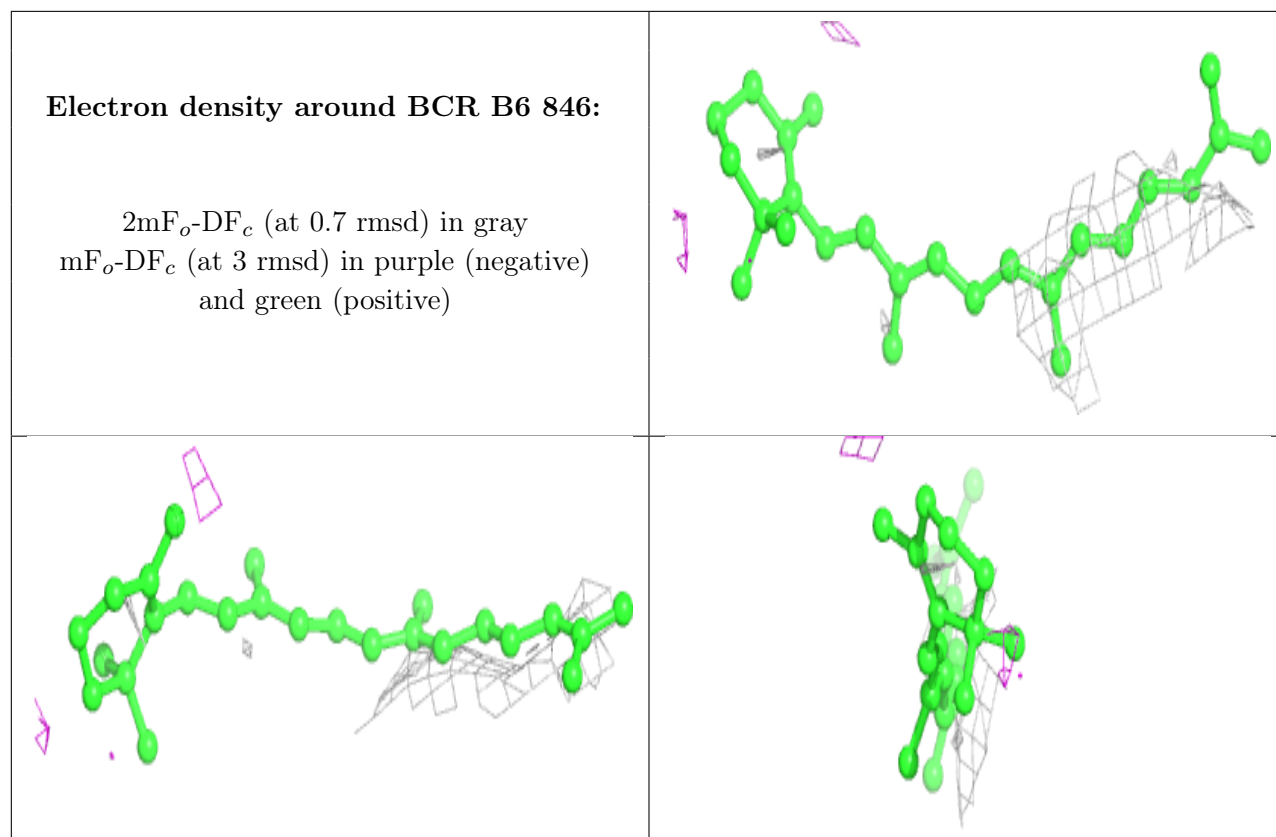
**Electron density around PQN A4 843:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR B3 1845:**

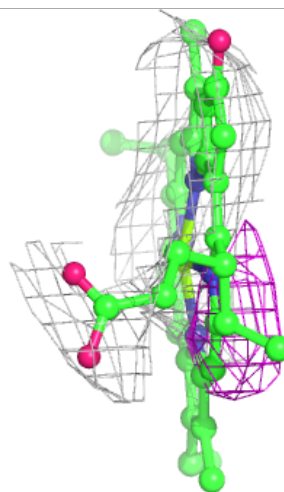
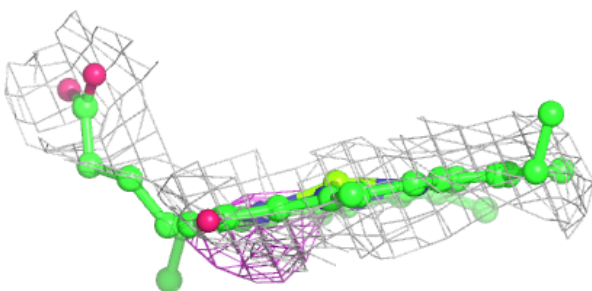
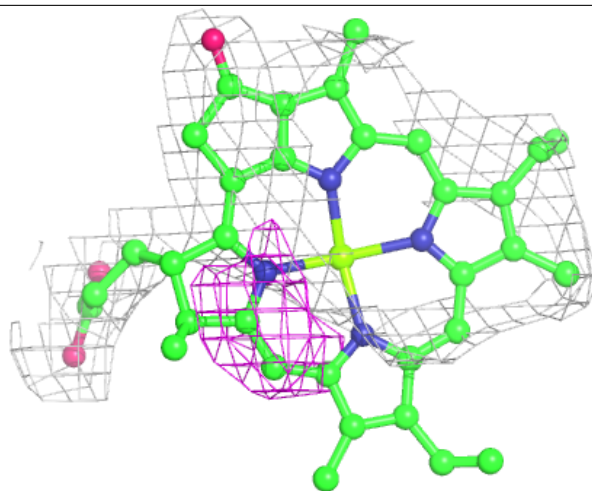
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





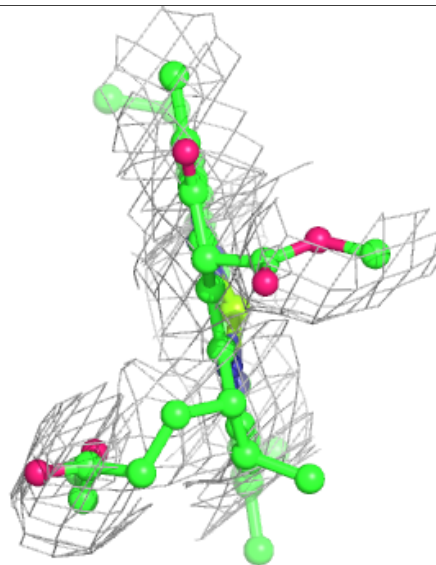
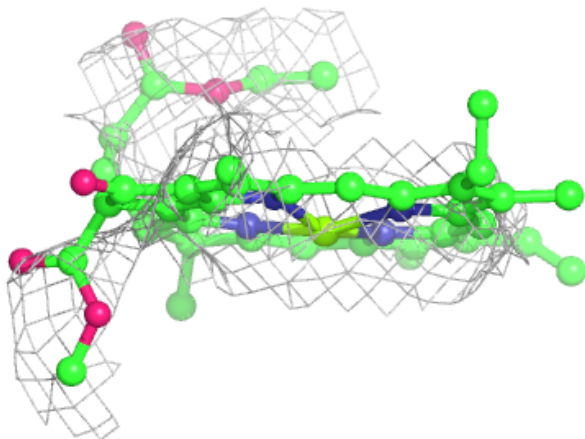
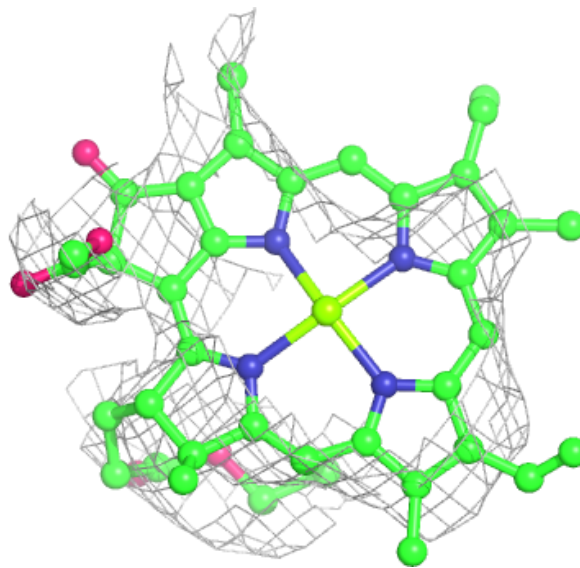
**Electron density around CLA A4 842:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



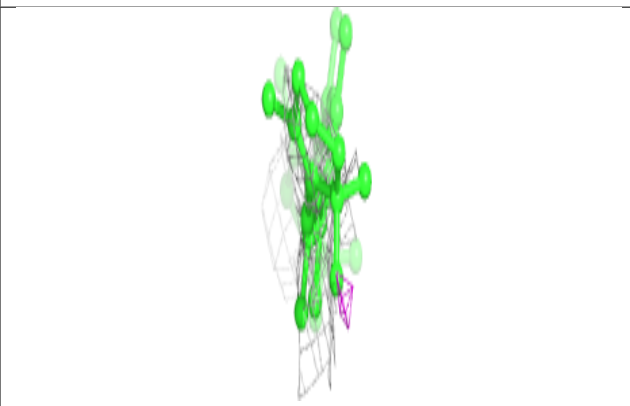
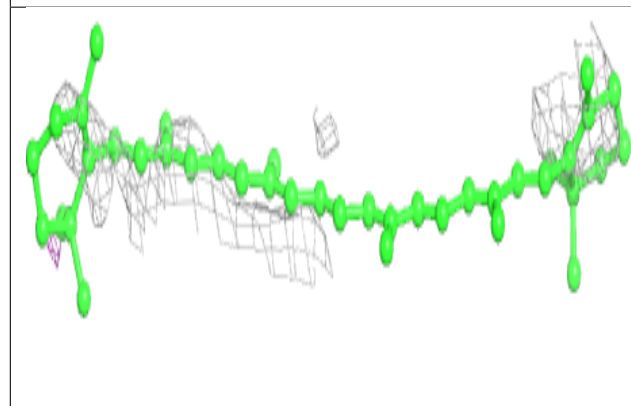
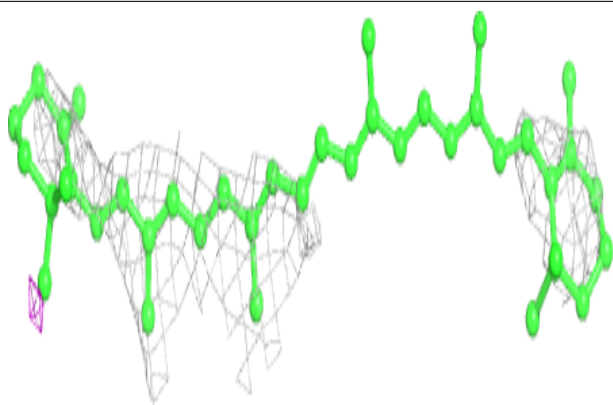
**Electron density around CLA B1 821:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

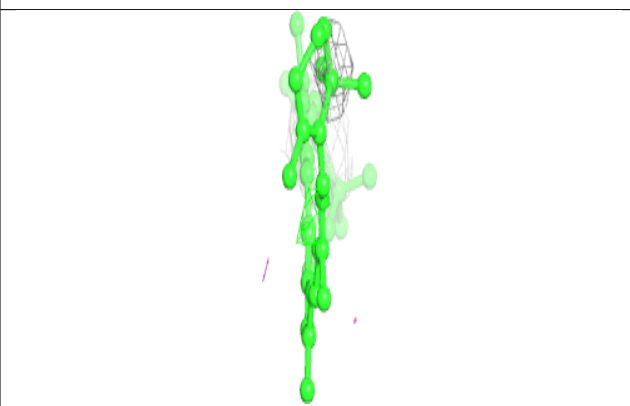
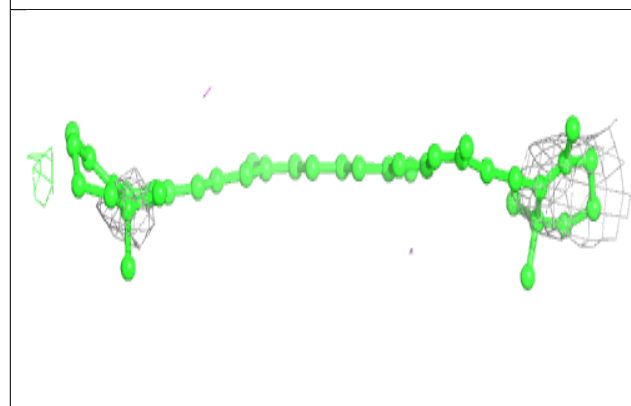
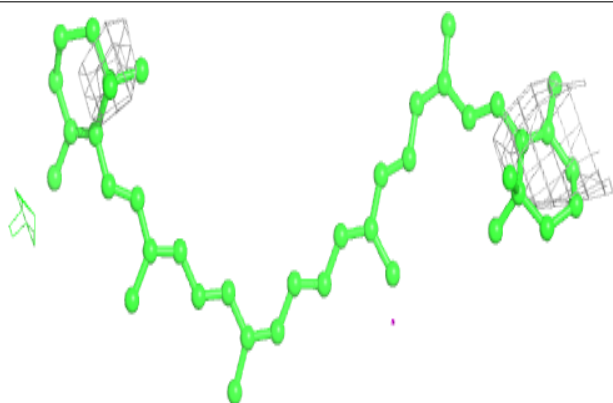


**Electron density around BCR A4 847:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR A4 849:**

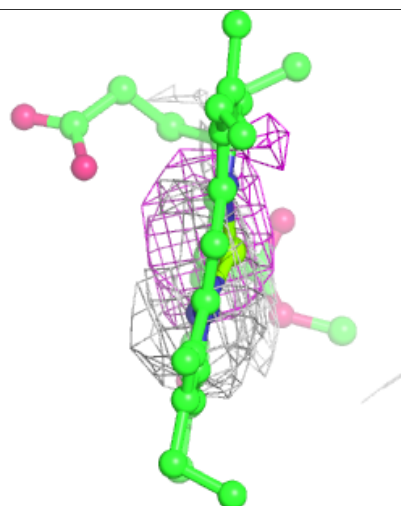
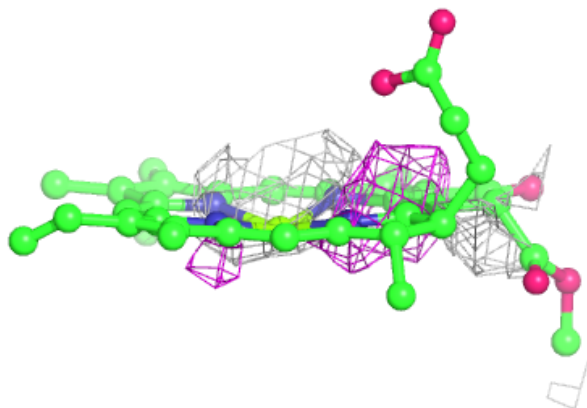
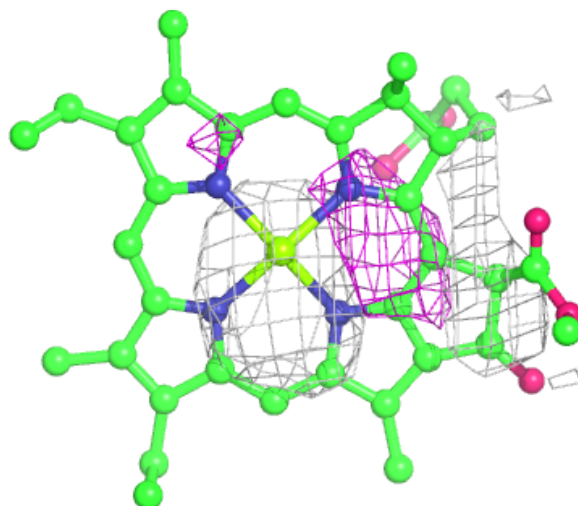
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





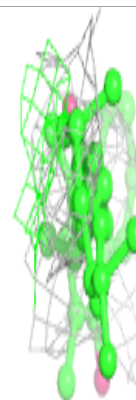
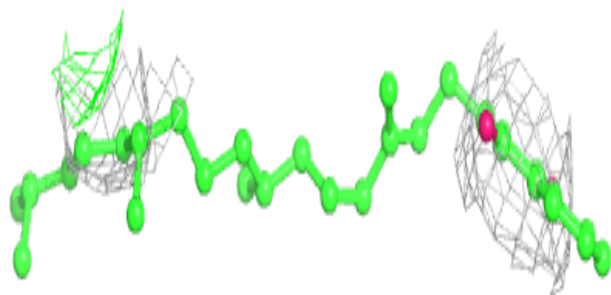
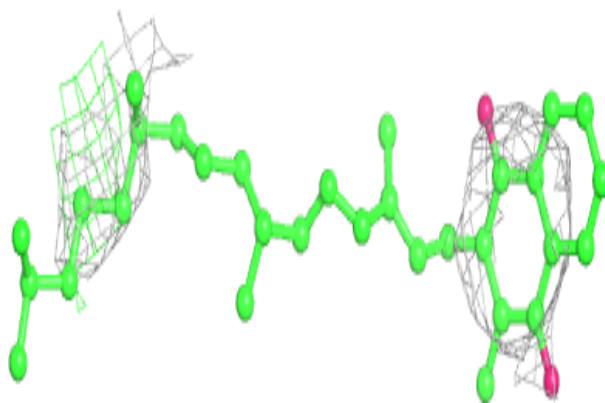
**Electron density around CLA L5 202:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

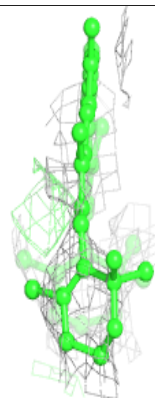
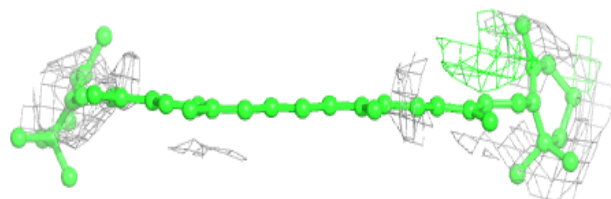
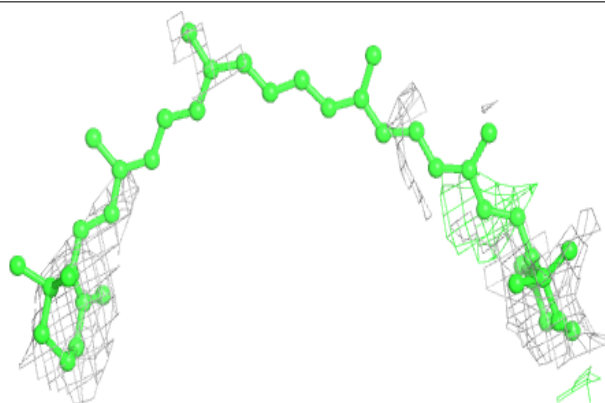


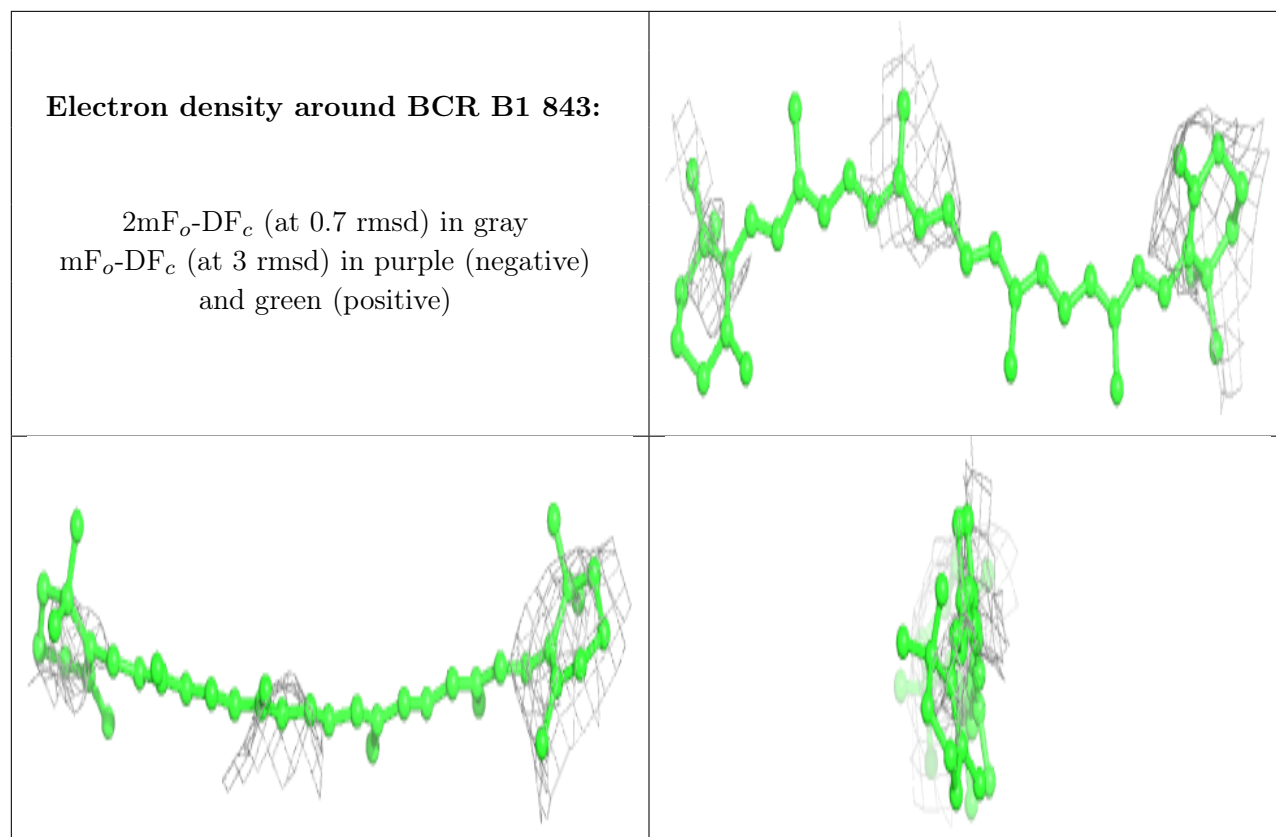
**Electron density around PQN A1 841:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR F1 1302:**

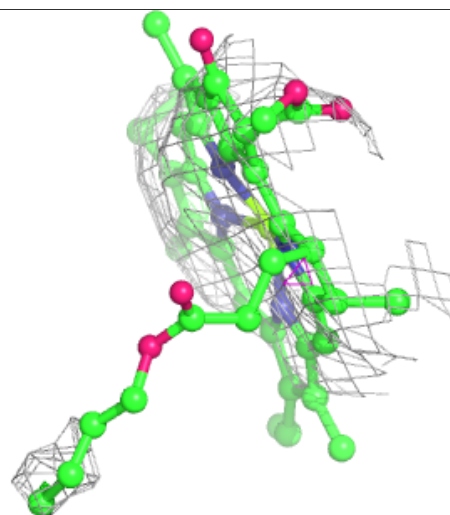
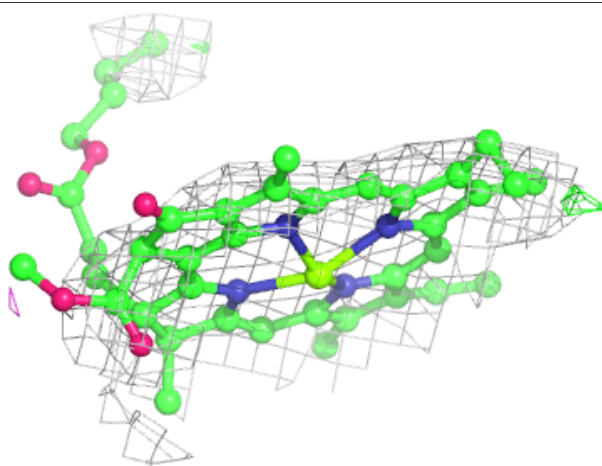
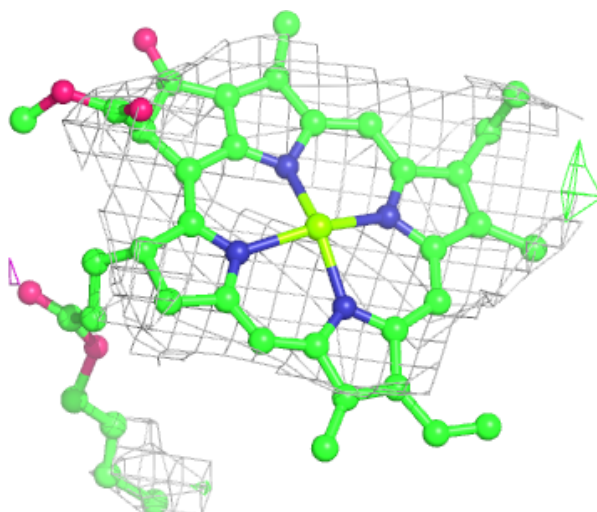
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





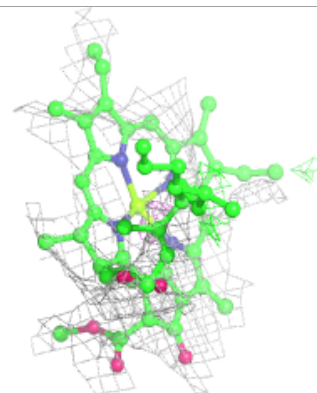
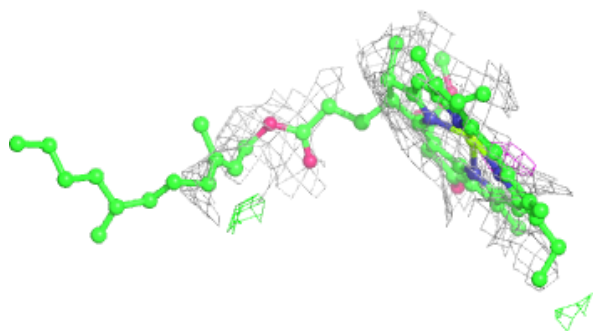
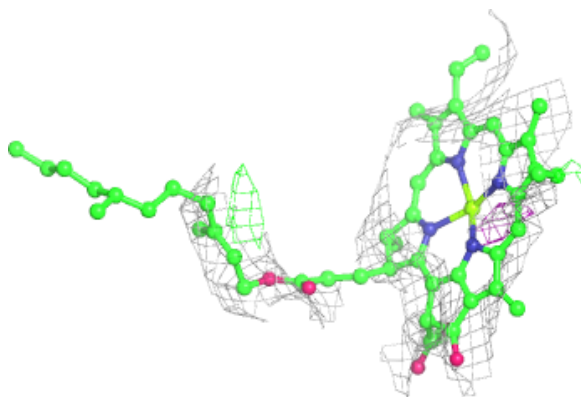
**Electron density around CLA A1 815:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

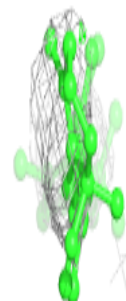
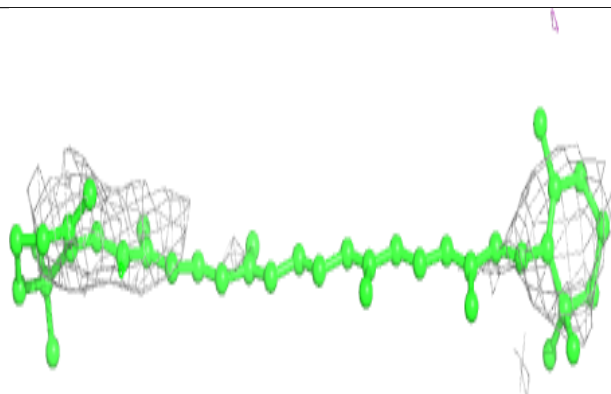
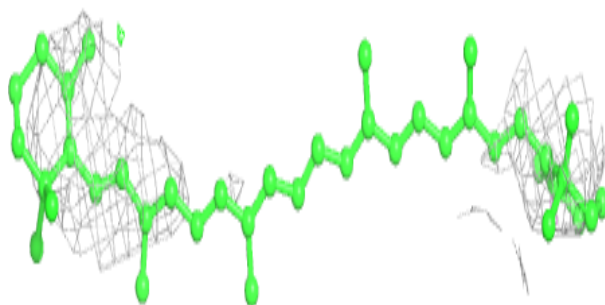


**Electron density around CLA B1 834:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

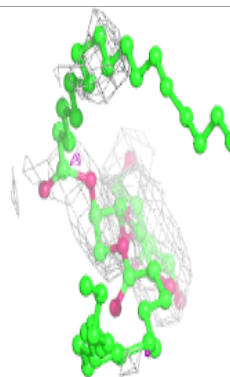
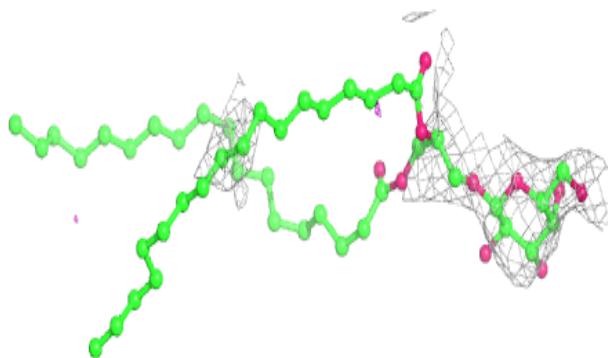
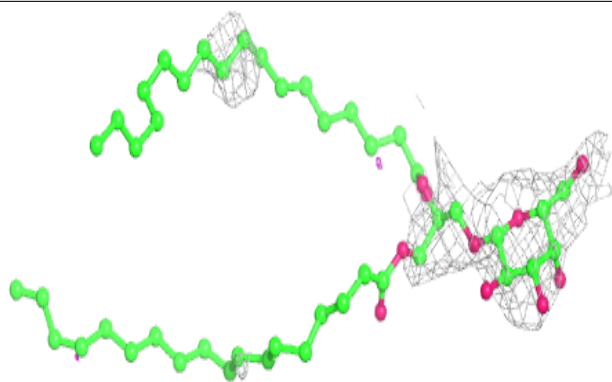
**Electron density around BCR L6 201:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

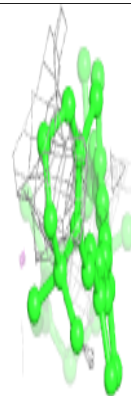
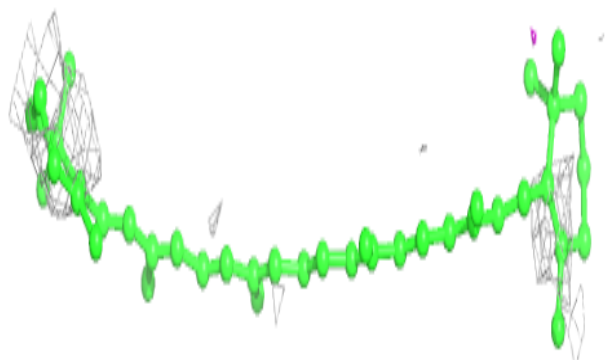
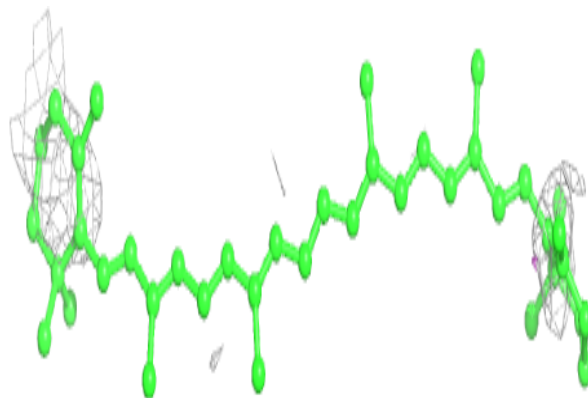


**Electron density around LMG B6 848:**

$2mF_o-DF_c$  (at 0.7 rnsd) in gray  
 $mF_o-DF_c$  (at 3 rnsd) in purple (negative)  
and green (positive)

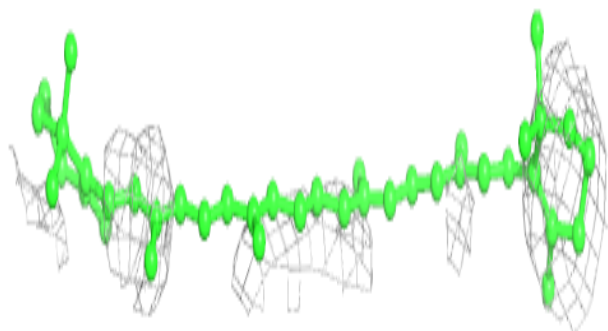
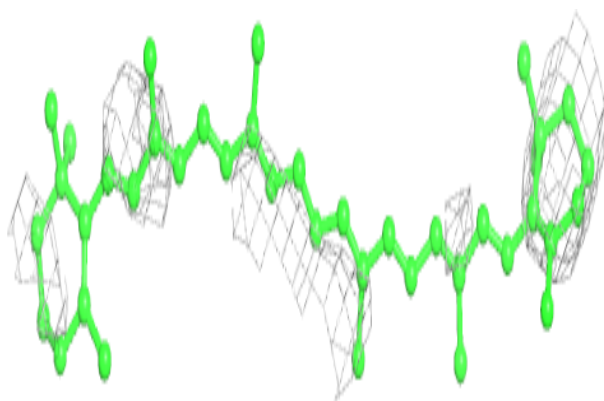
**Electron density around BCR A4 848:**

$2mF_o-DF_c$  (at 0.7 rnsd) in gray  
 $mF_o-DF_c$  (at 3 rnsd) in purple (negative)  
and green (positive)

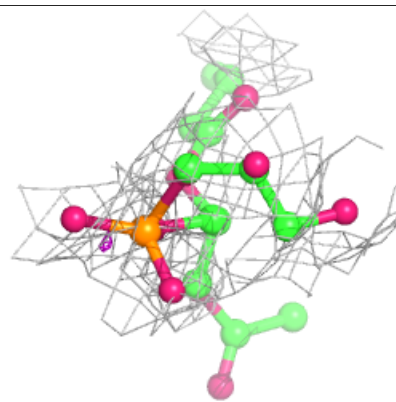
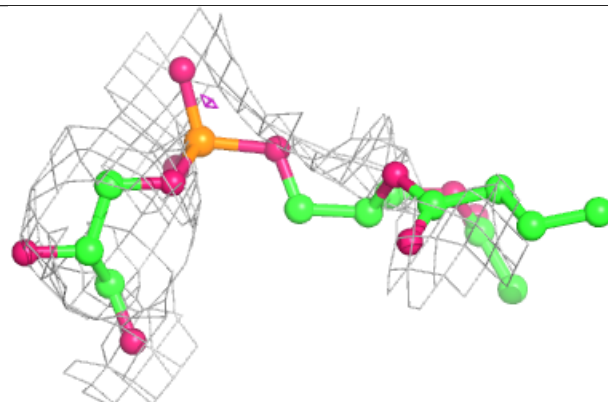
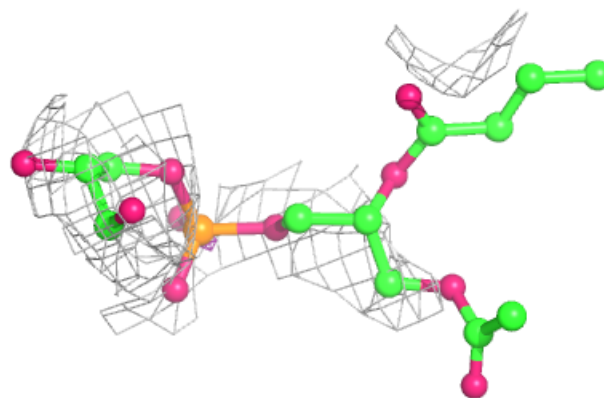


**Electron density around BCR J1 103:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

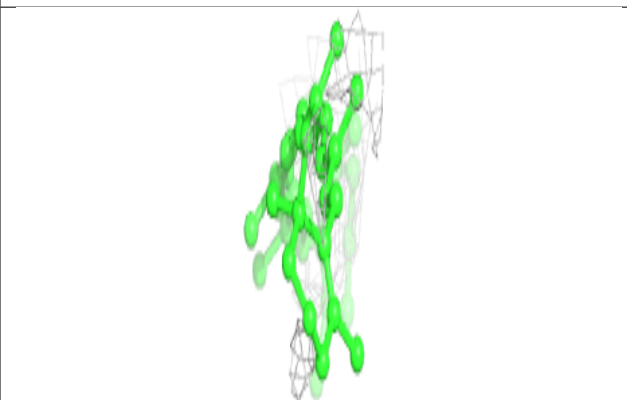
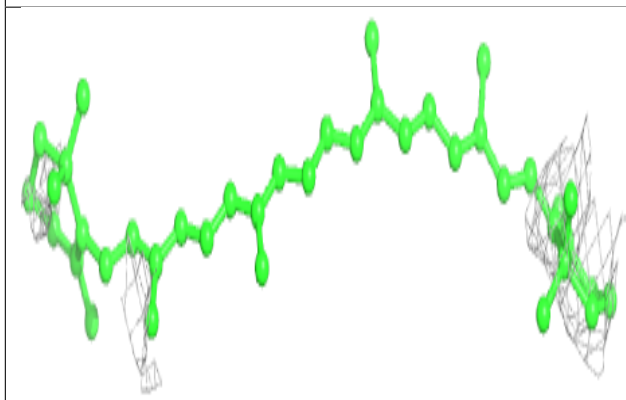
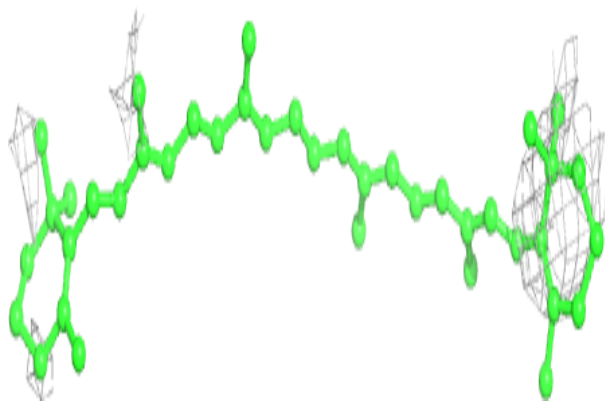
**Electron density around LHG B1 851:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

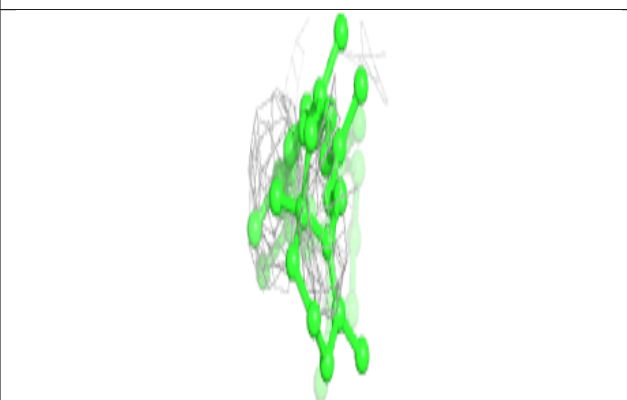
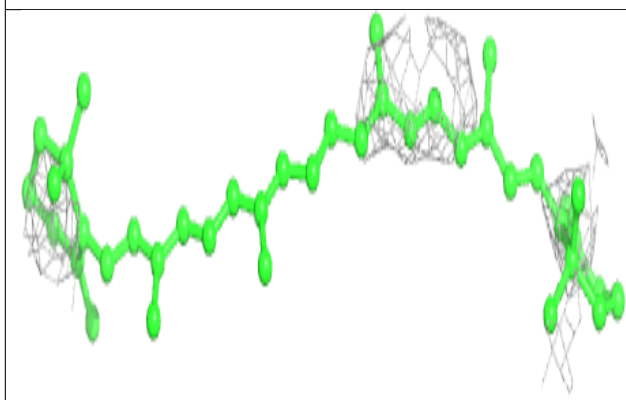
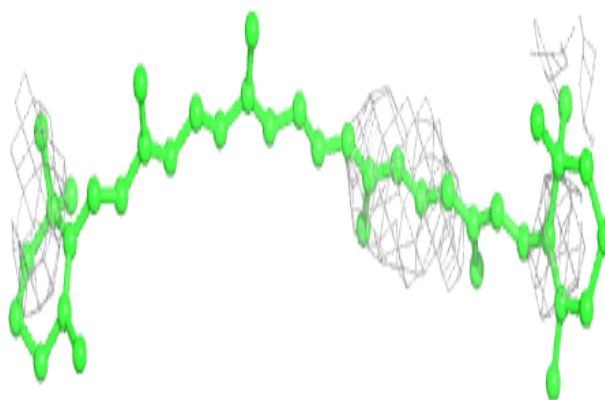


**Electron density around BCR J4 104:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR J5 104:**

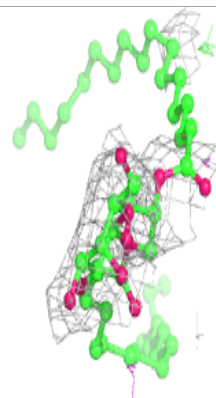
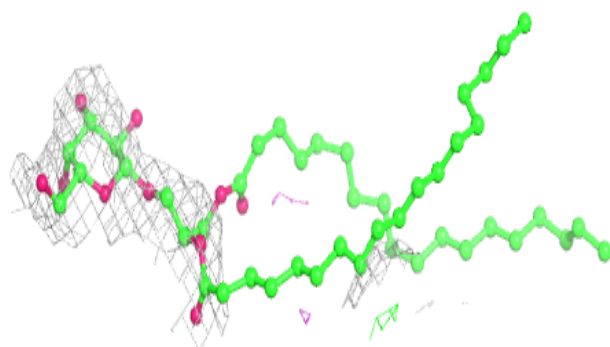
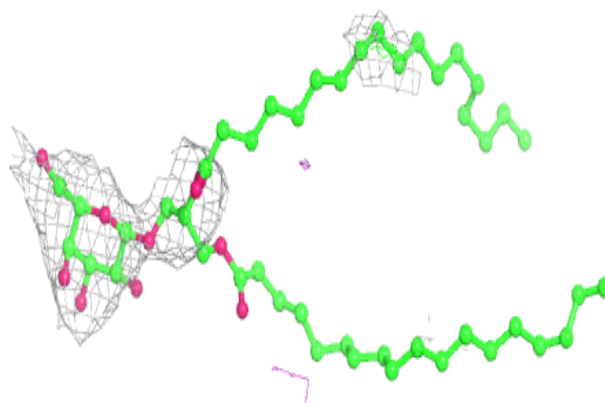
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





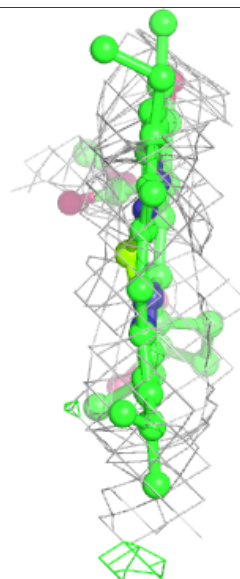
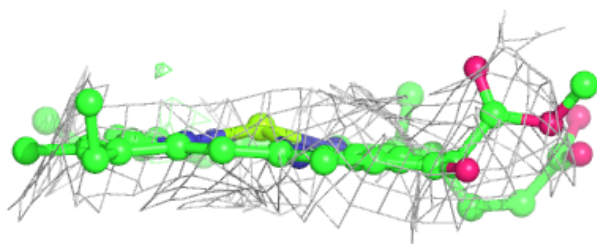
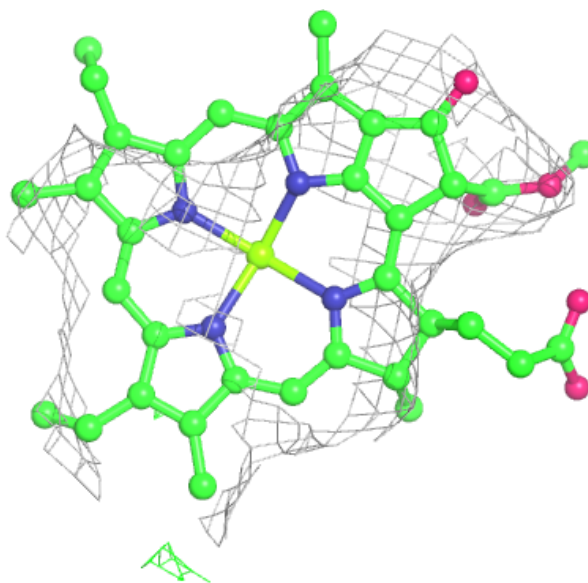
**Electron density around LMG B5 1851:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



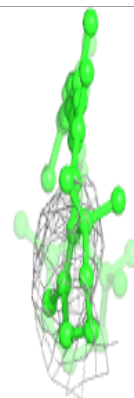
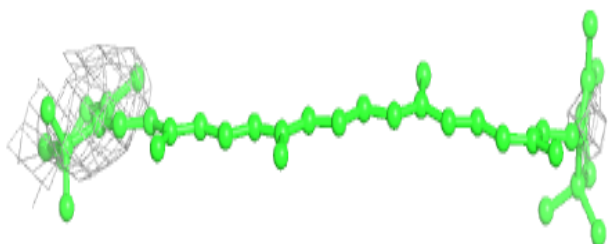
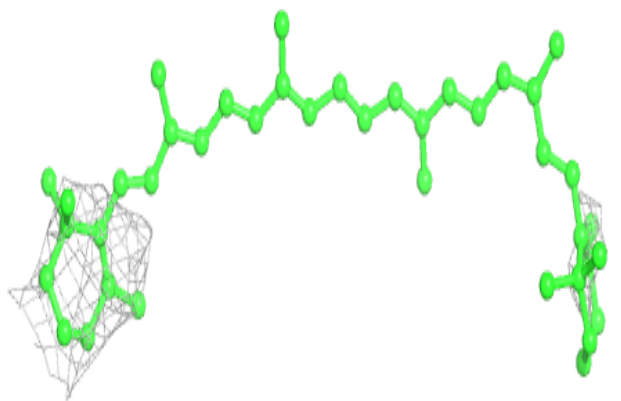
**Electron density around CLA F1 1301:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

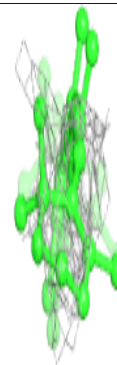
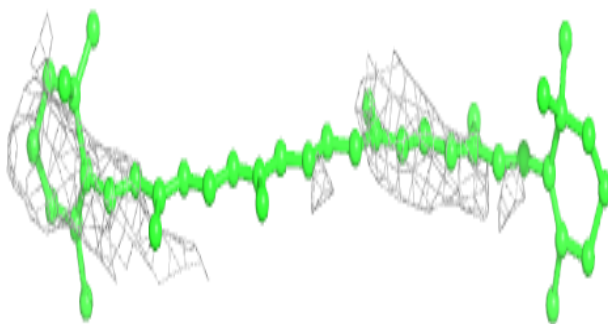
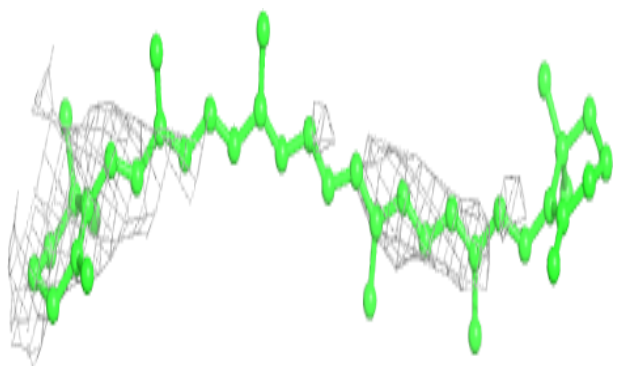


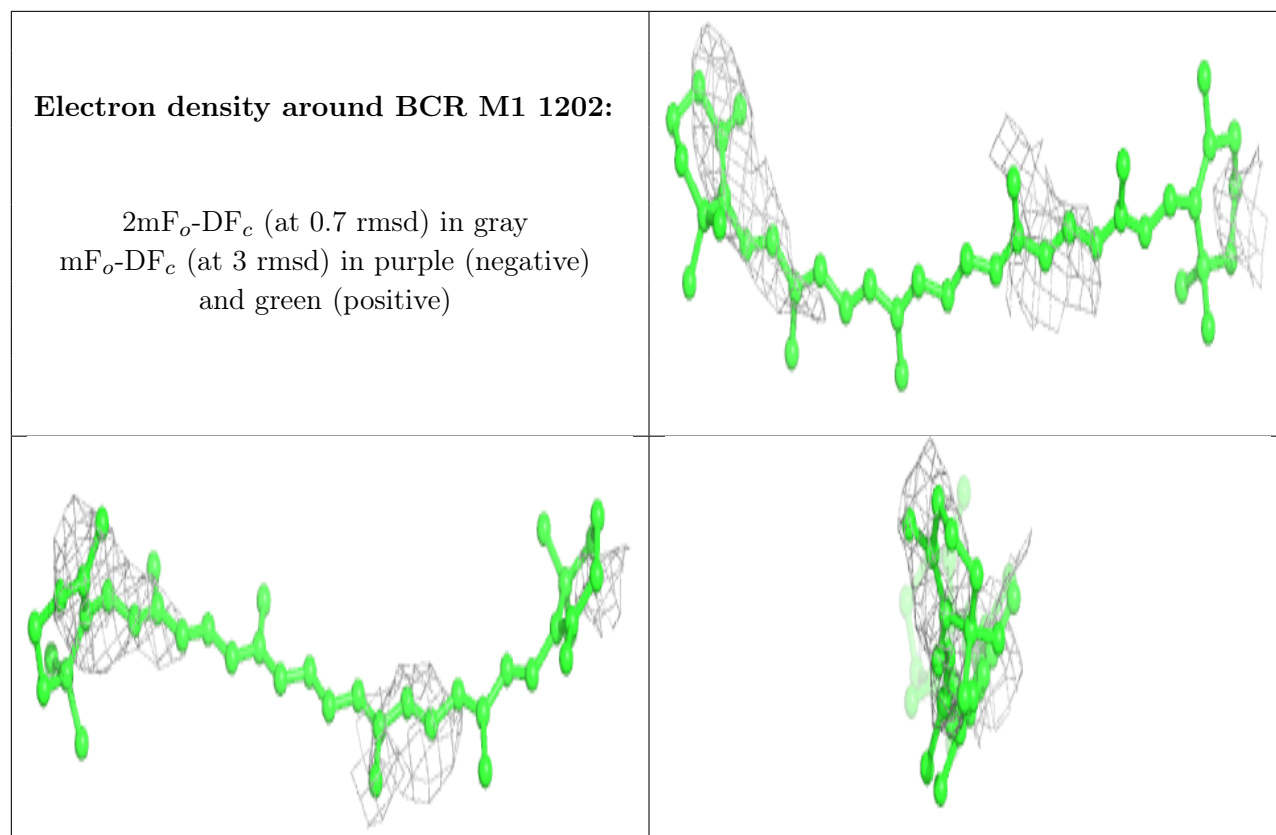
**Electron density around BCR B6 844:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR A1 843:**

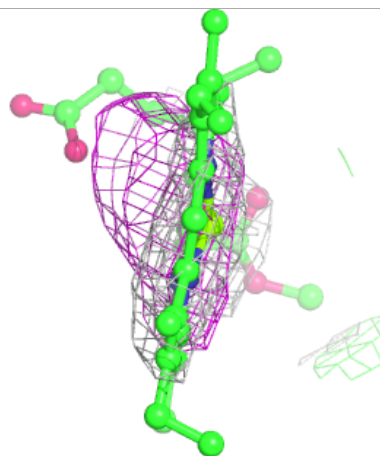
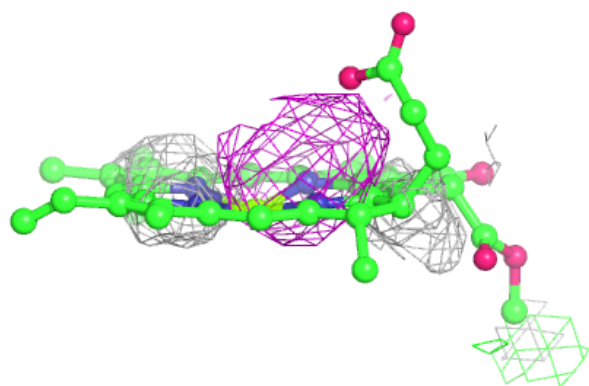
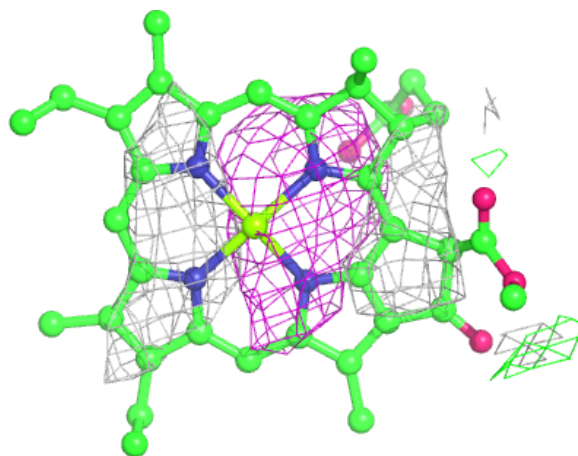
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





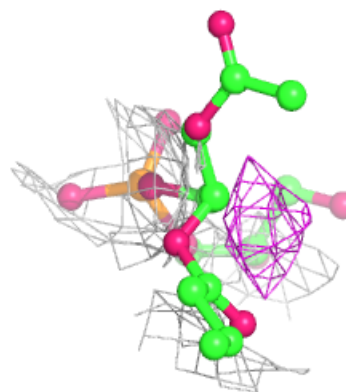
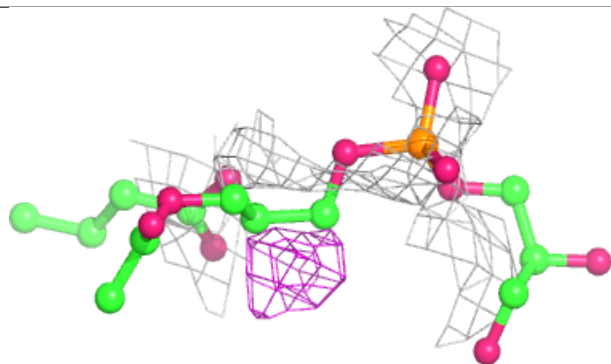
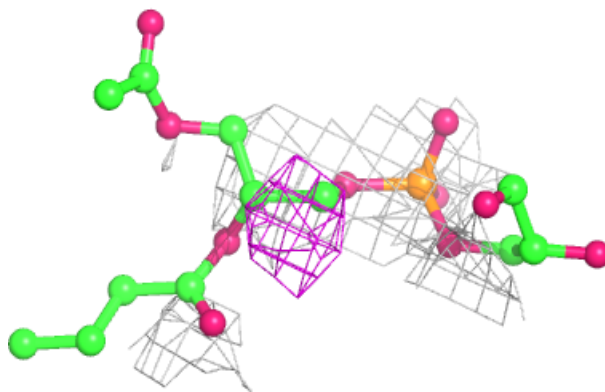
**Electron density around CLA L3 202:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

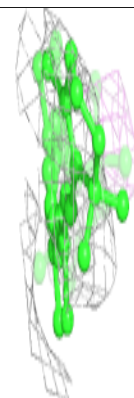
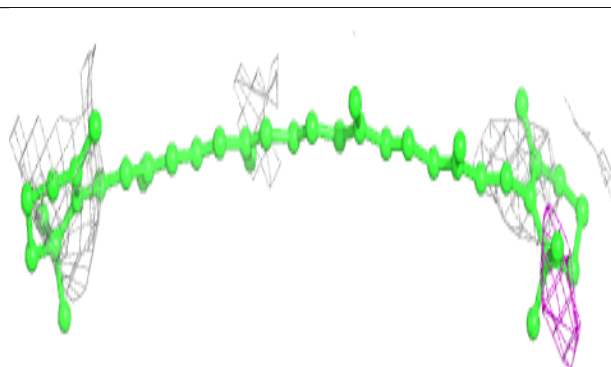
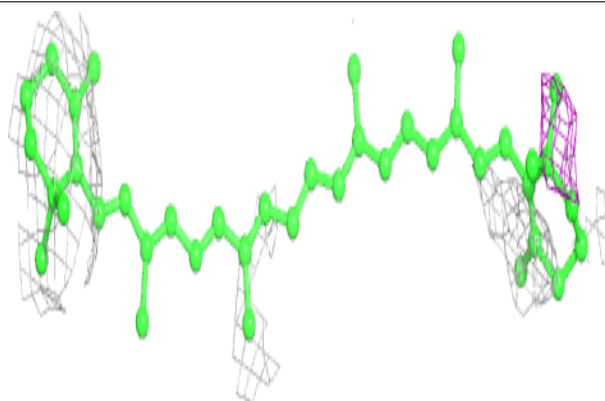


**Electron density around LHG X4 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

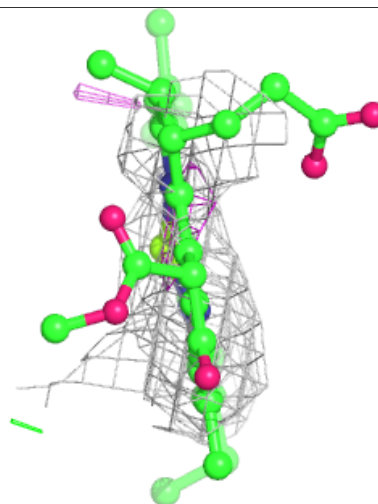
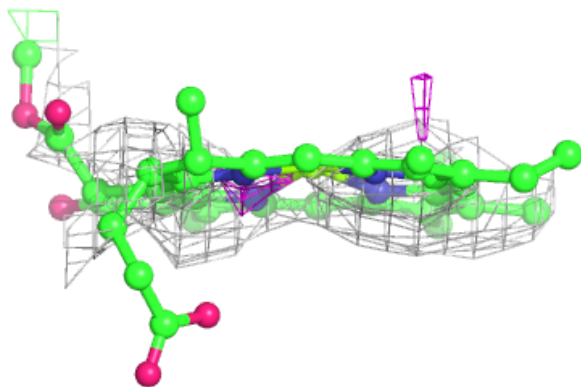
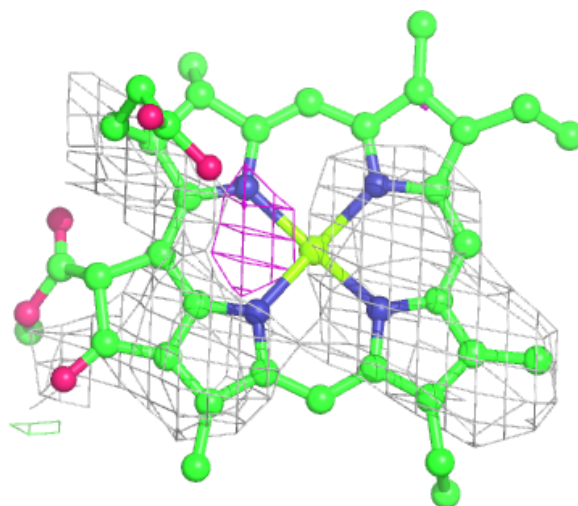
**Electron density around BCR B5 1845:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



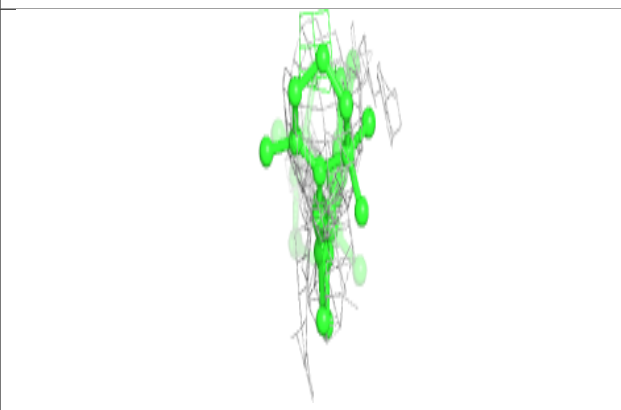
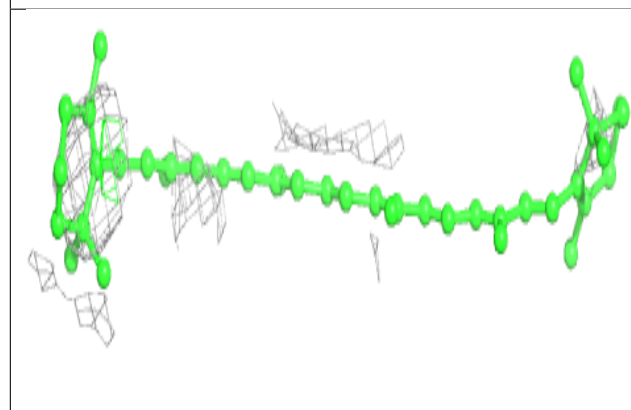
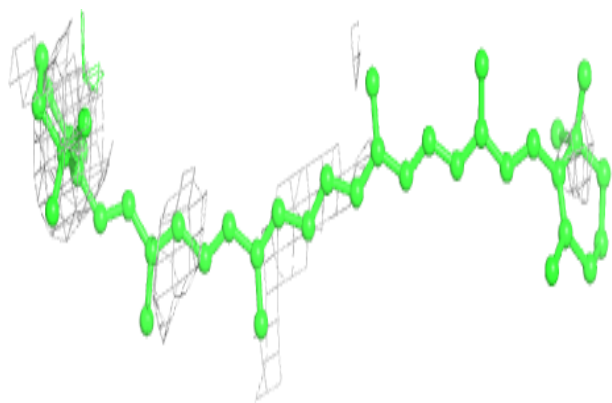
**Electron density around CLA M3 1601:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

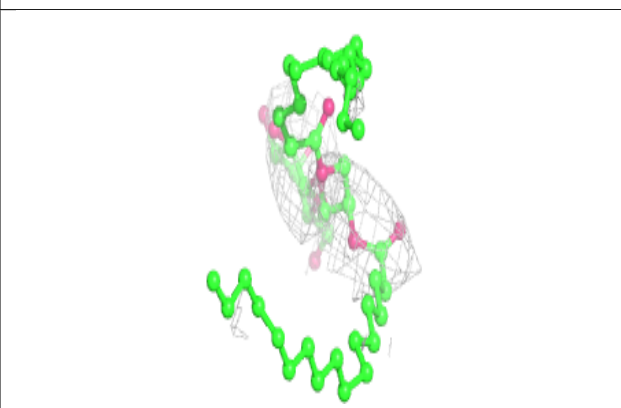
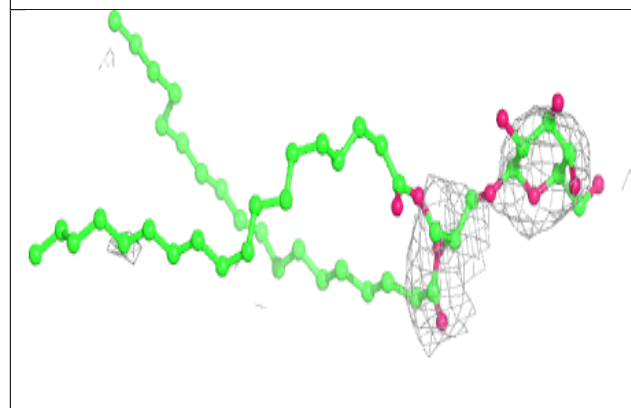
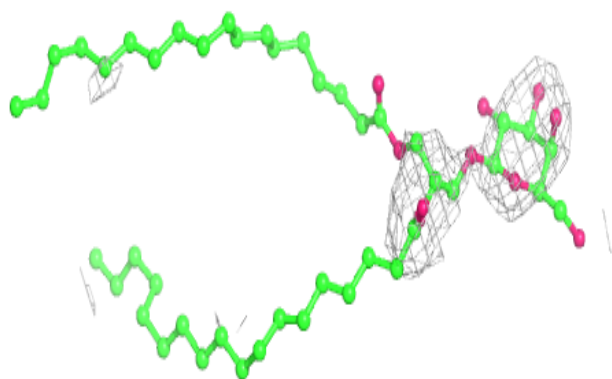


**Electron density around BCR B1 849:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around LMG B4 851:**

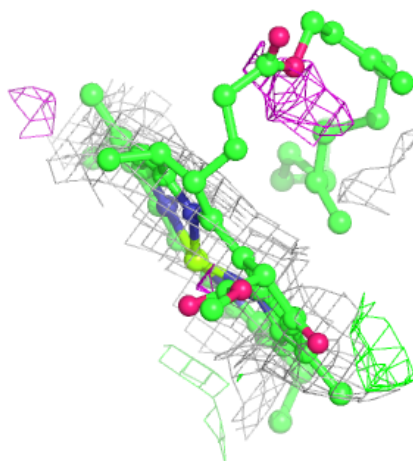
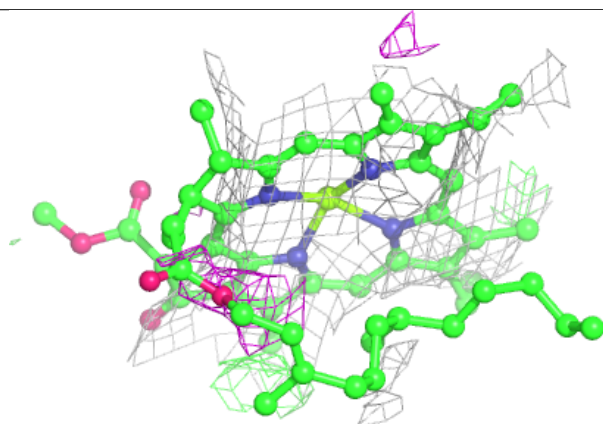
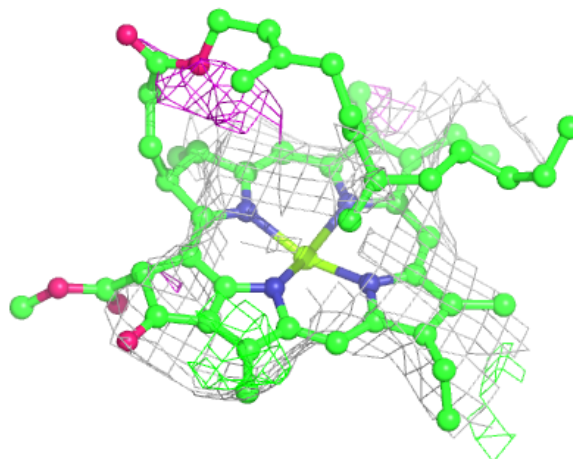
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





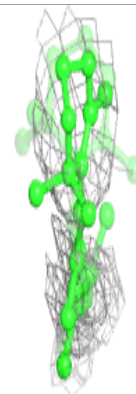
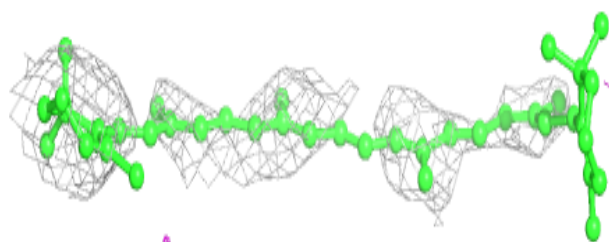
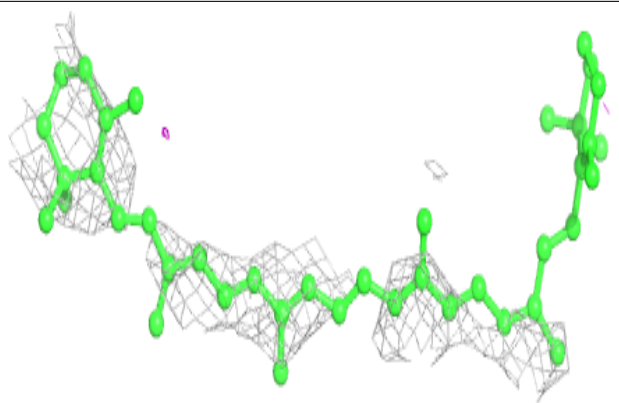
**Electron density around CLA B1 818:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

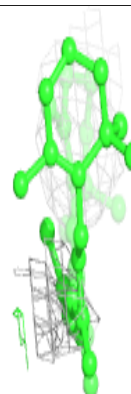
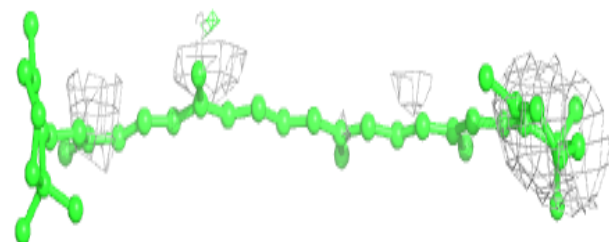
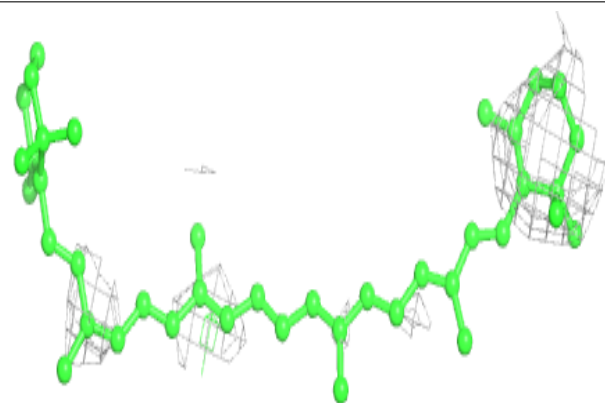


**Electron density around BCR B5 1846:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

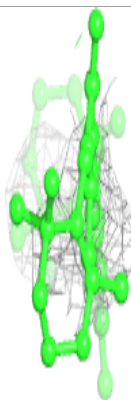
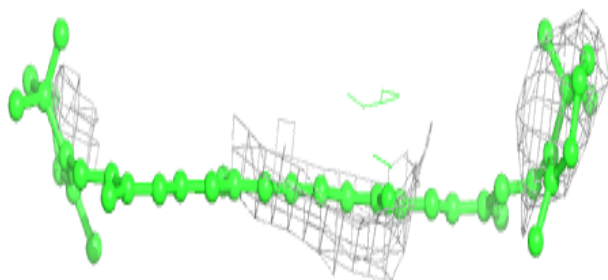
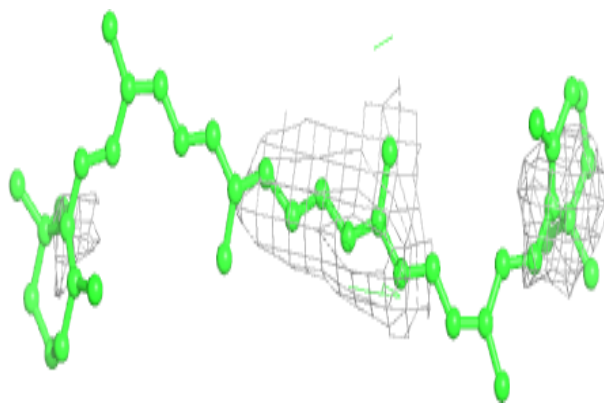
**Electron density around BCR B4 846:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

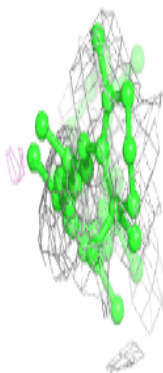
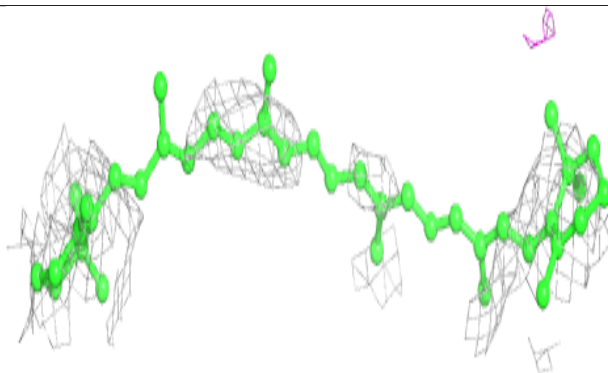
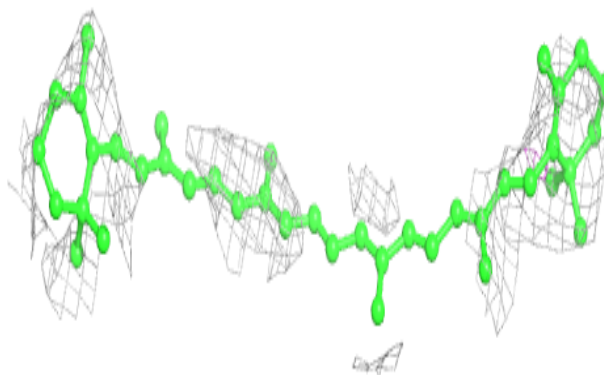


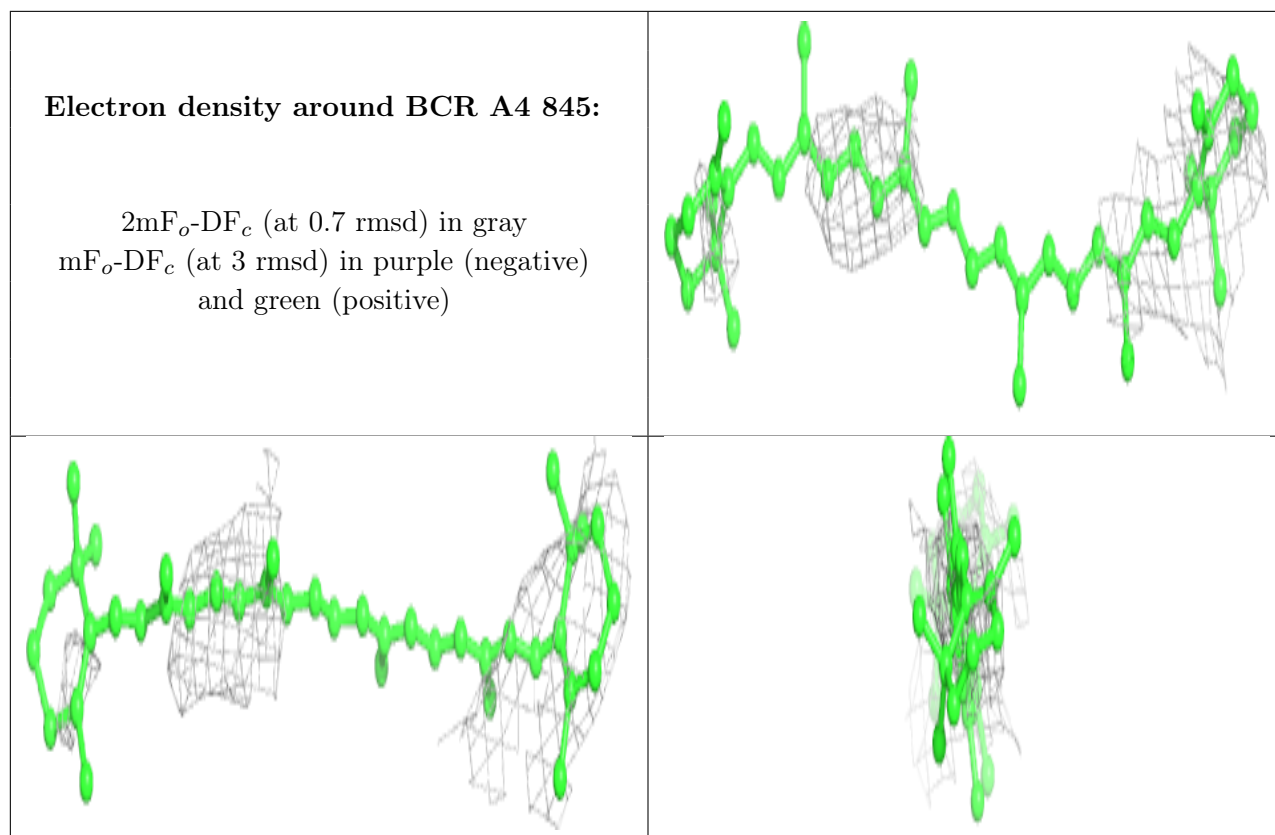
**Electron density around BCR B4 847:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR J6 1105:**

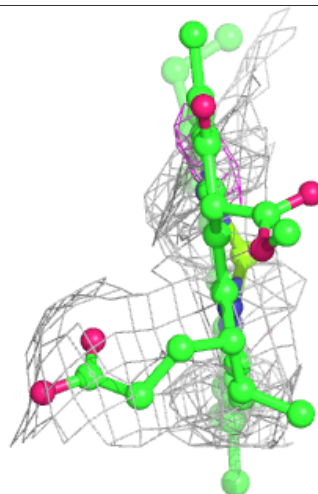
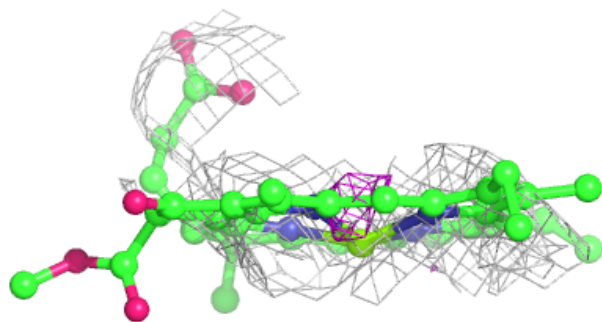
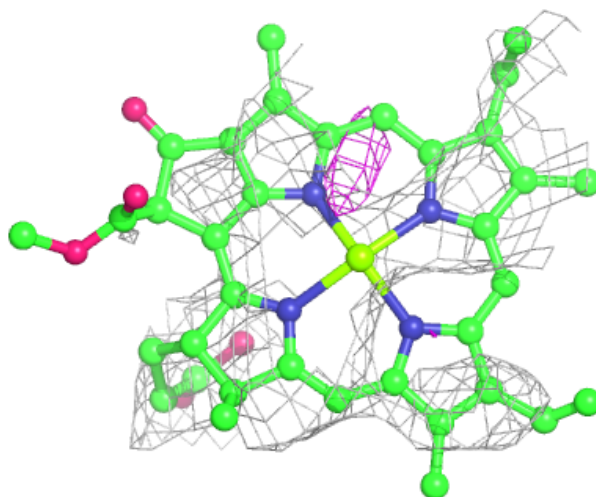
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





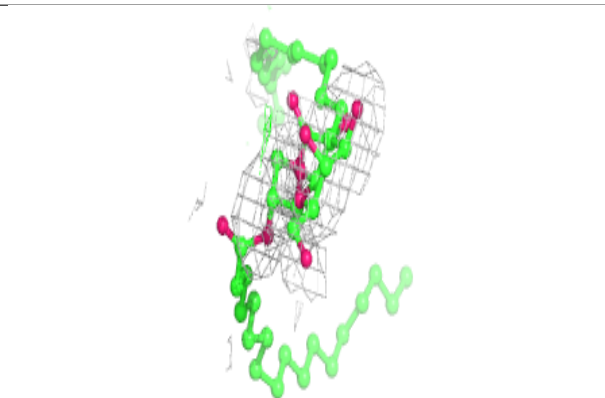
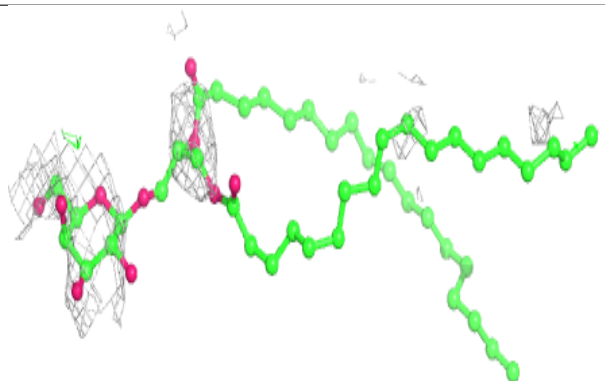
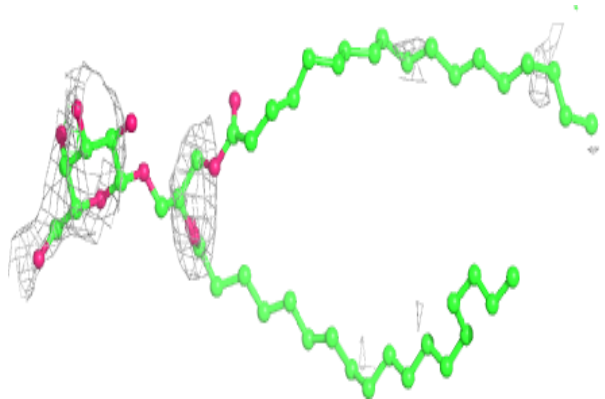
**Electron density around CLA A4 809:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

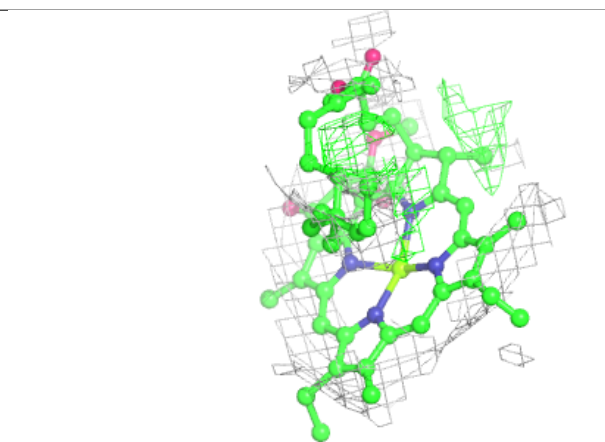
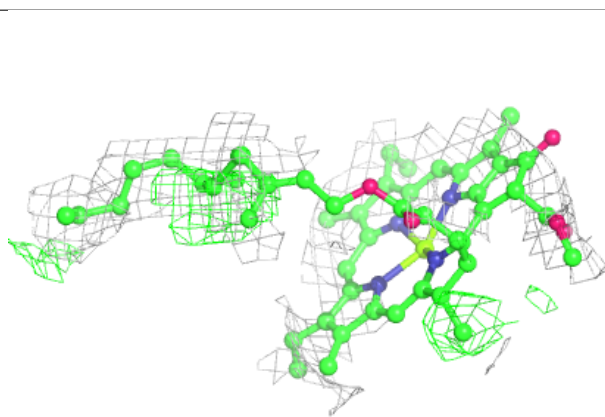
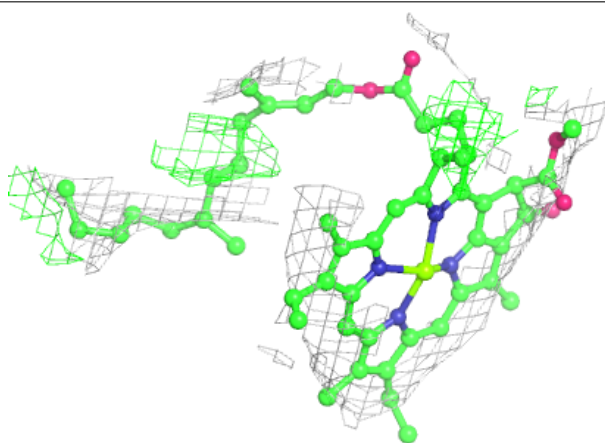


**Electron density around LMG B1 850:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

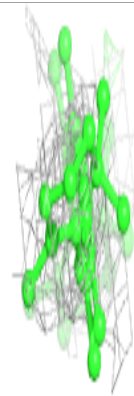
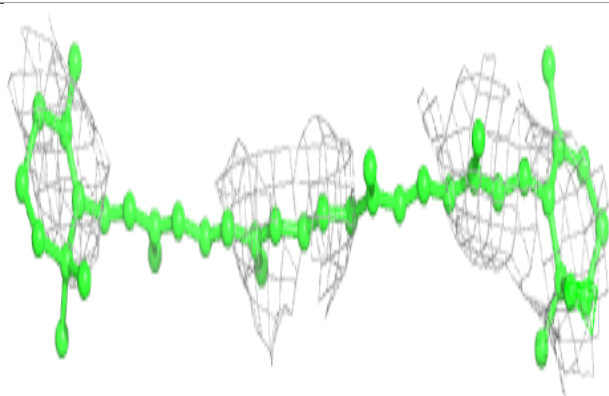
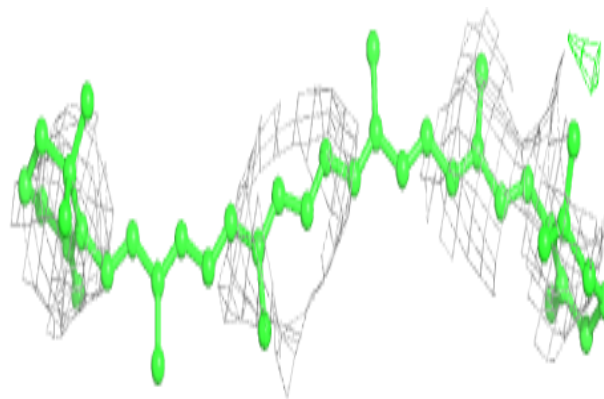
**Electron density around CLA A1 823:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



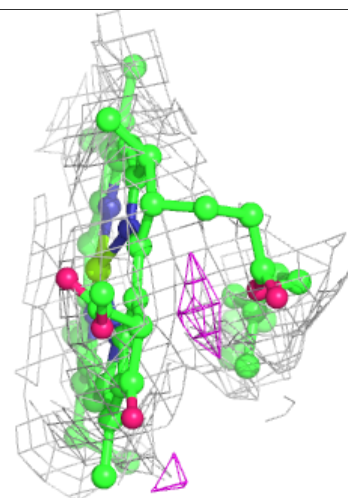
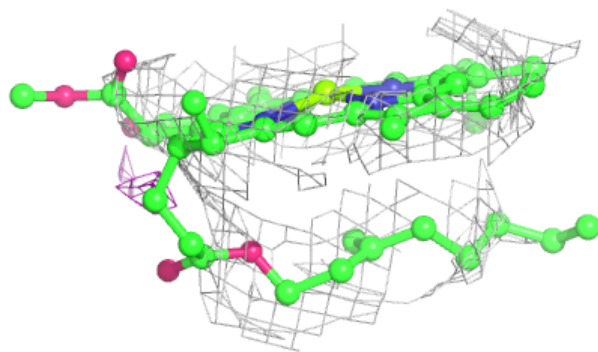
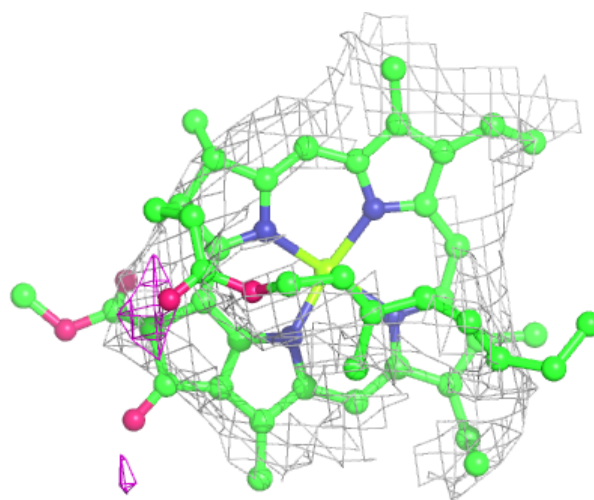
**Electron density around BCR A2 1648:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A1 811:**

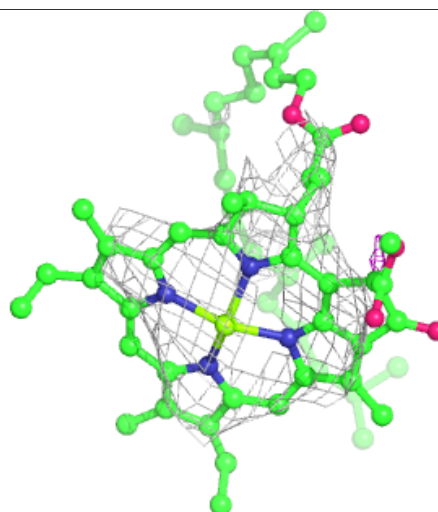
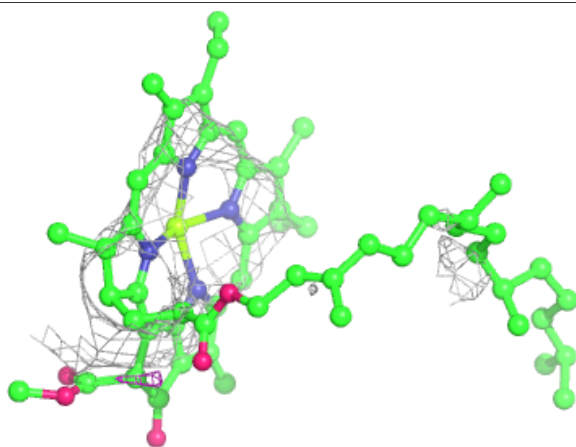
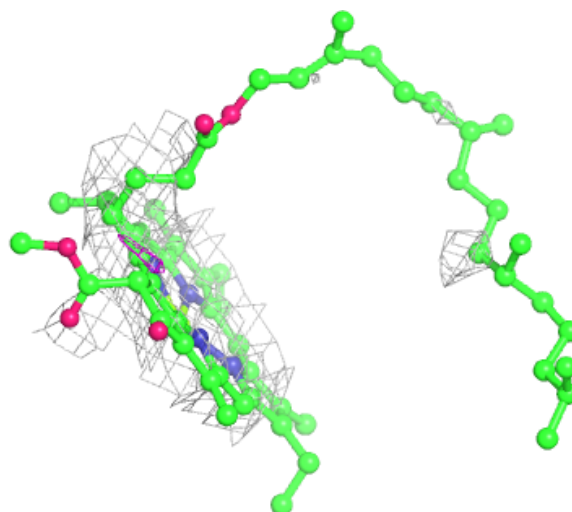
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





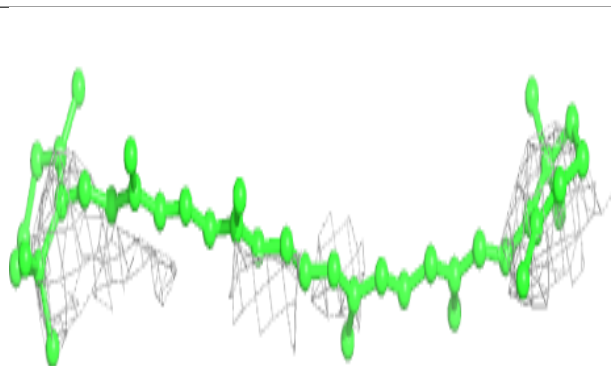
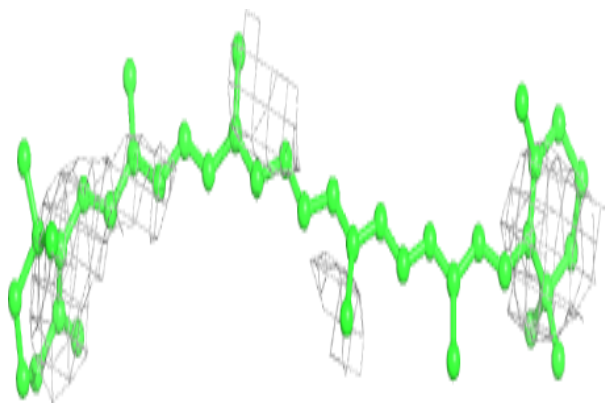
**Electron density around CLA B3 1821:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

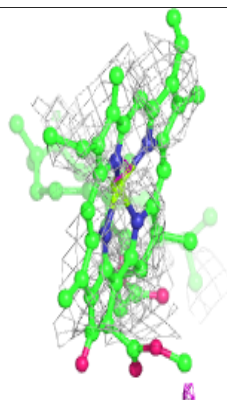
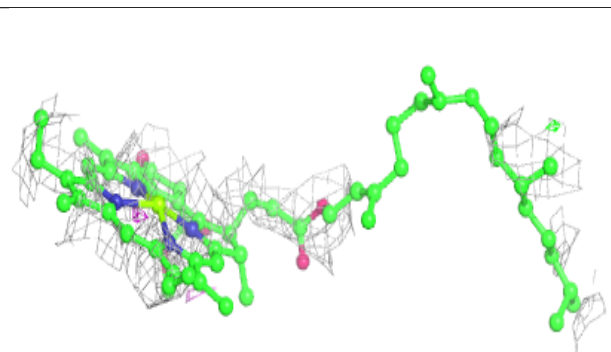
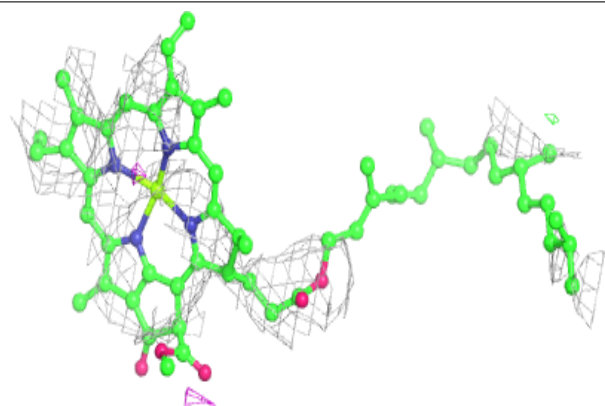


**Electron density around BCR A4 846:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

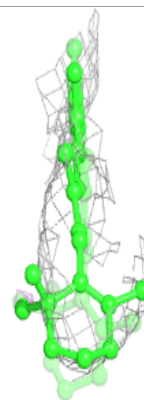
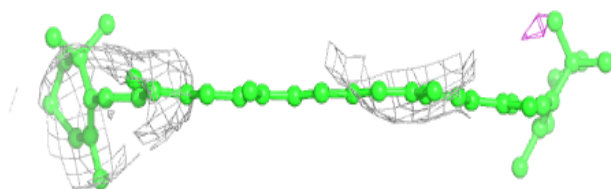
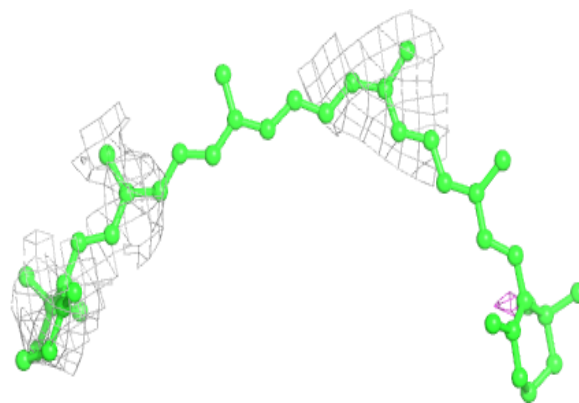
**Electron density around CLA B1 814:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

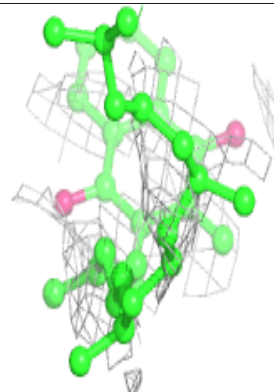
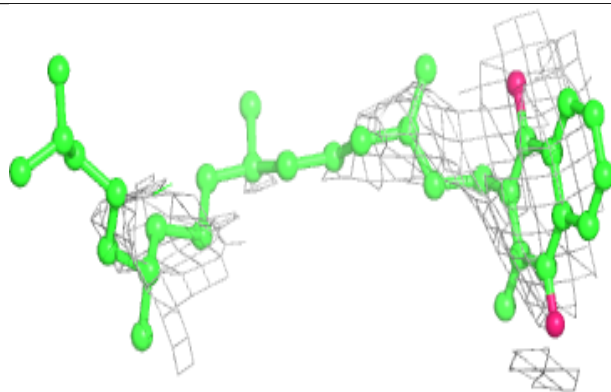
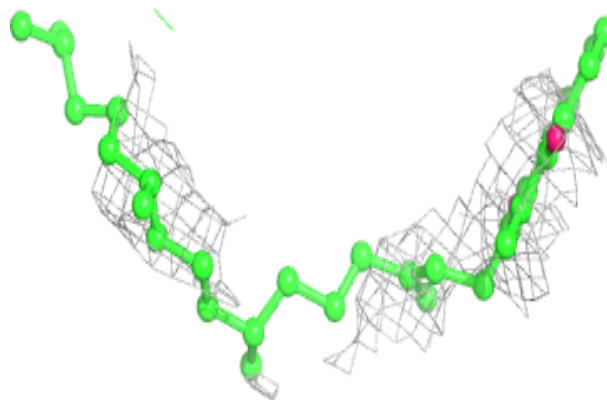


**Electron density around BCR F6 203:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

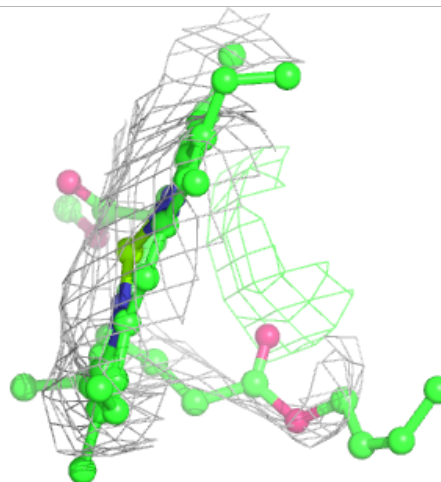
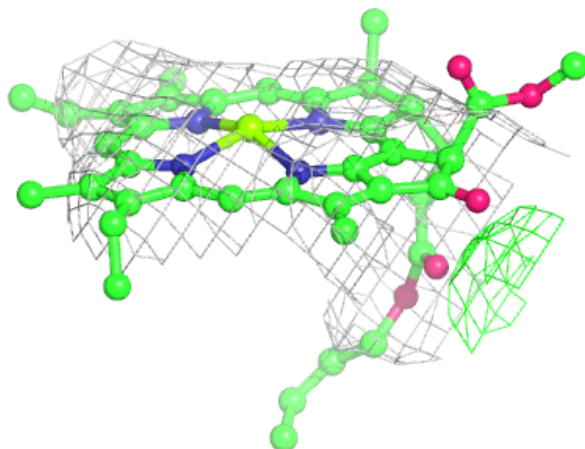
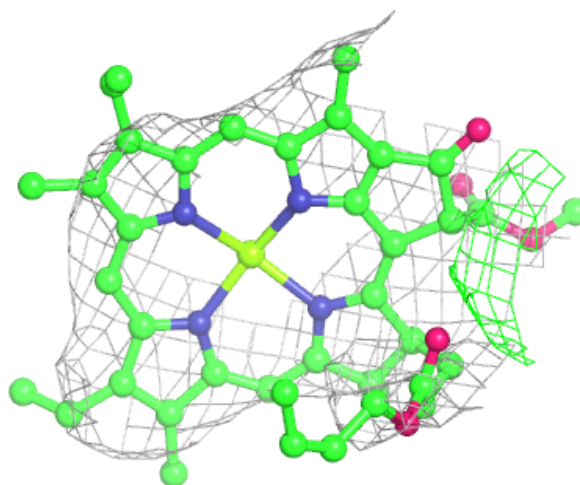
**Electron density around PQN B5 1844:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



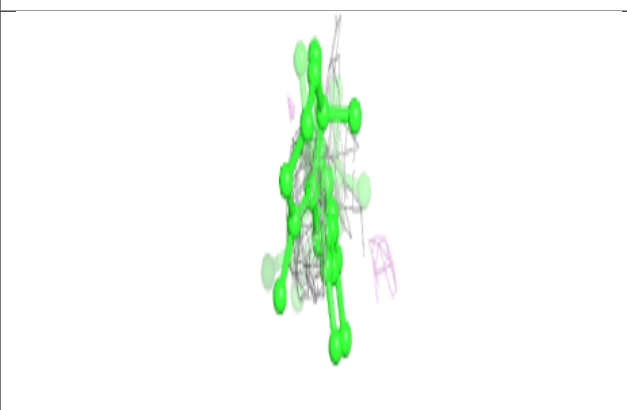
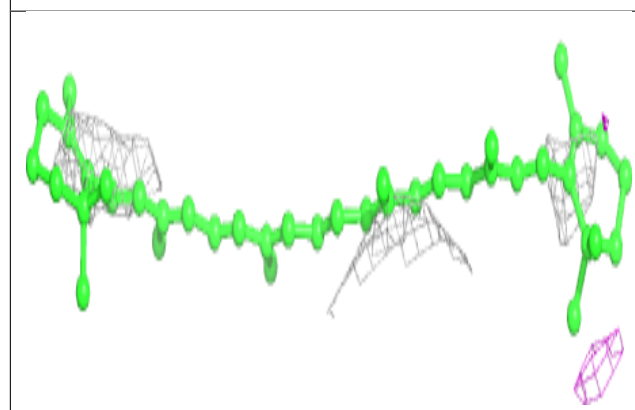
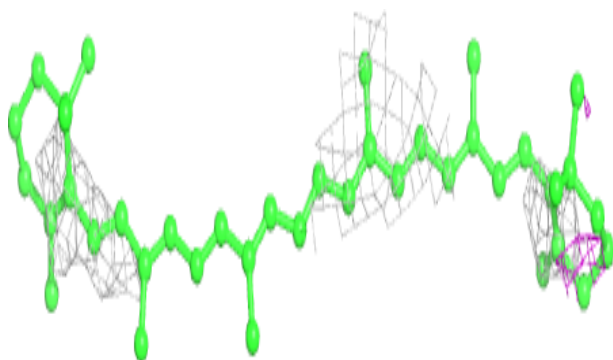
**Electron density around CLA B6 831:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

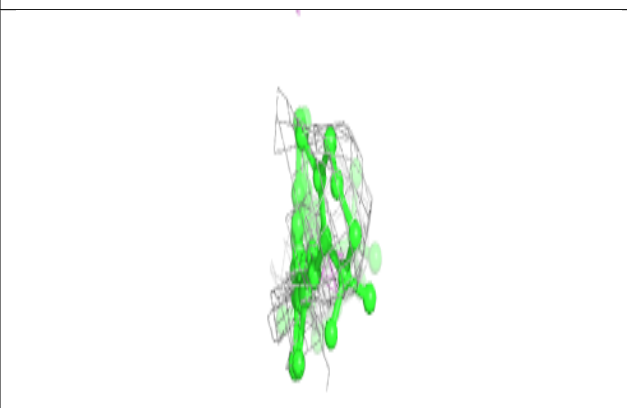
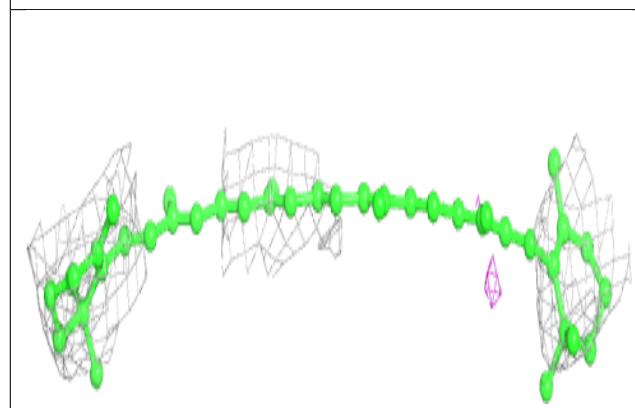
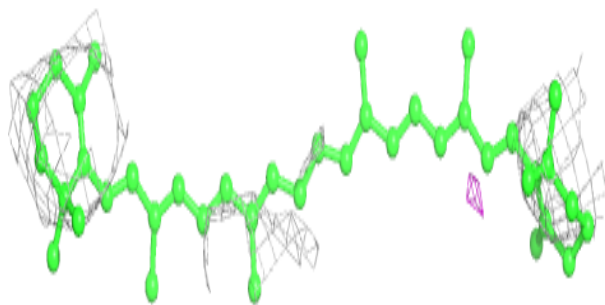


**Electron density around BCR A5 848:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

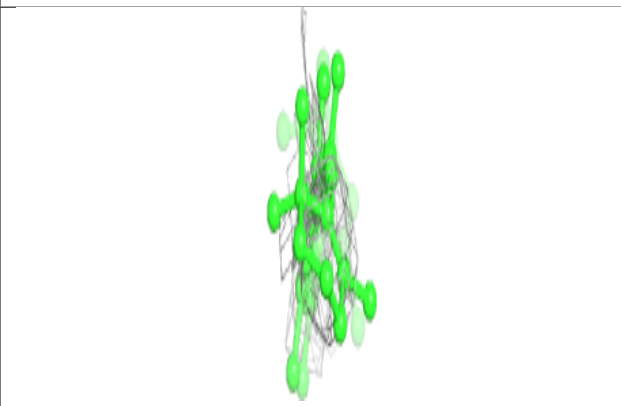
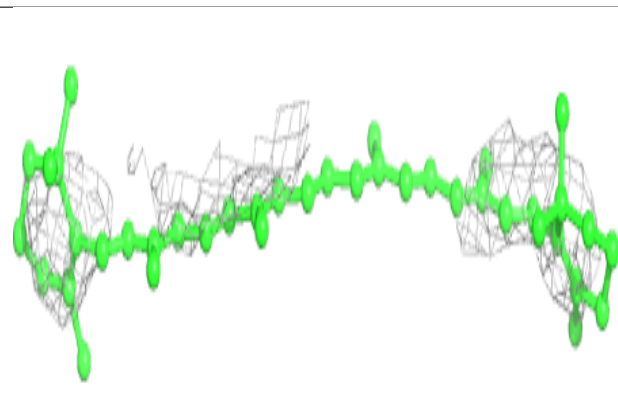
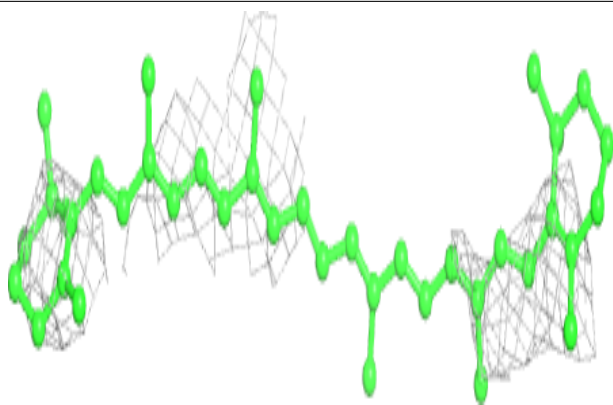
**Electron density around BCR A6 1643:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

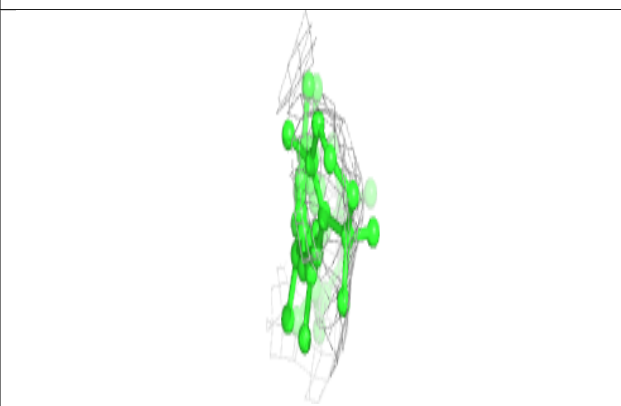
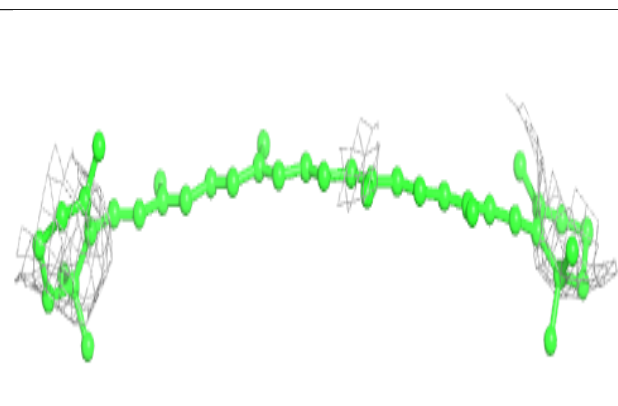
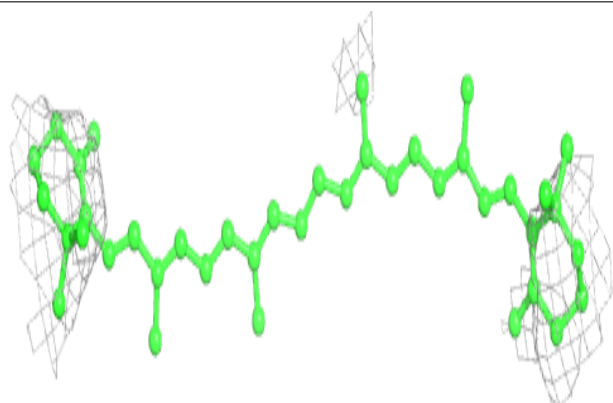


**Electron density around BCR A2 1650:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

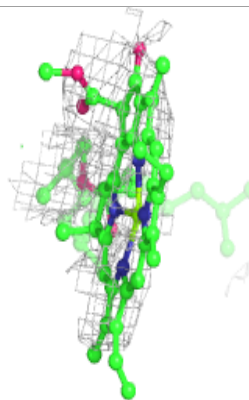
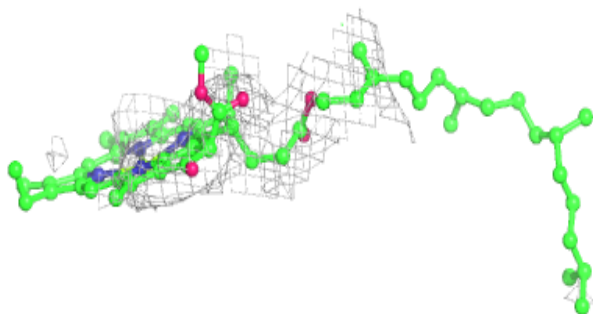
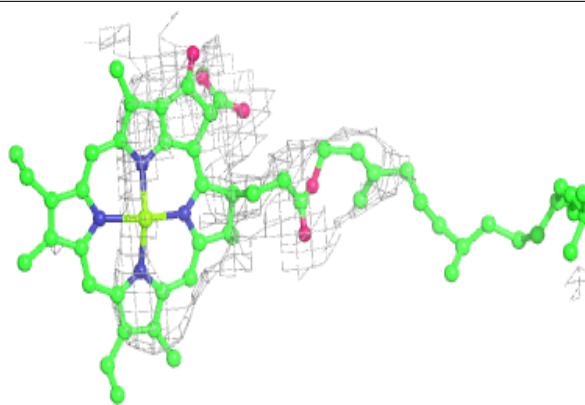
**Electron density around BCR B6 843:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

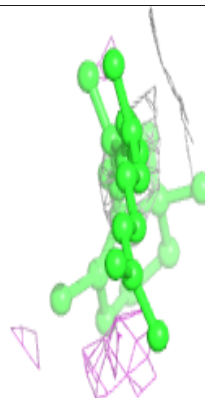
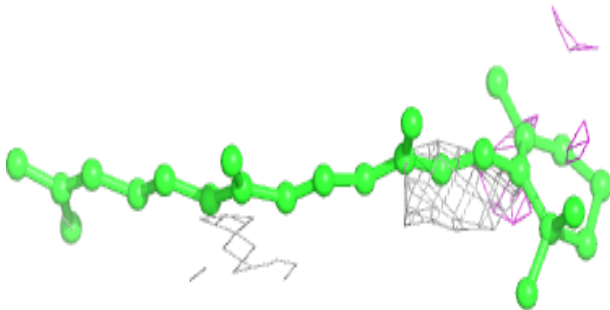
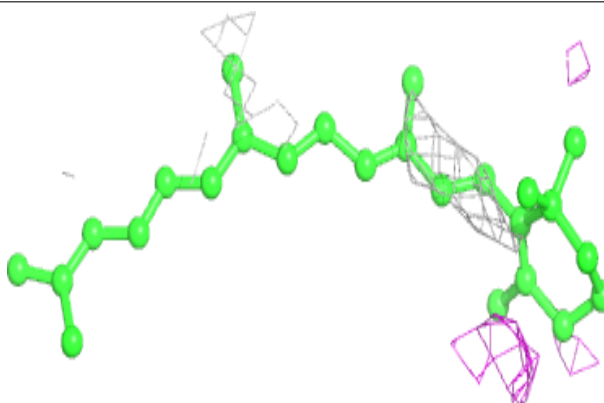


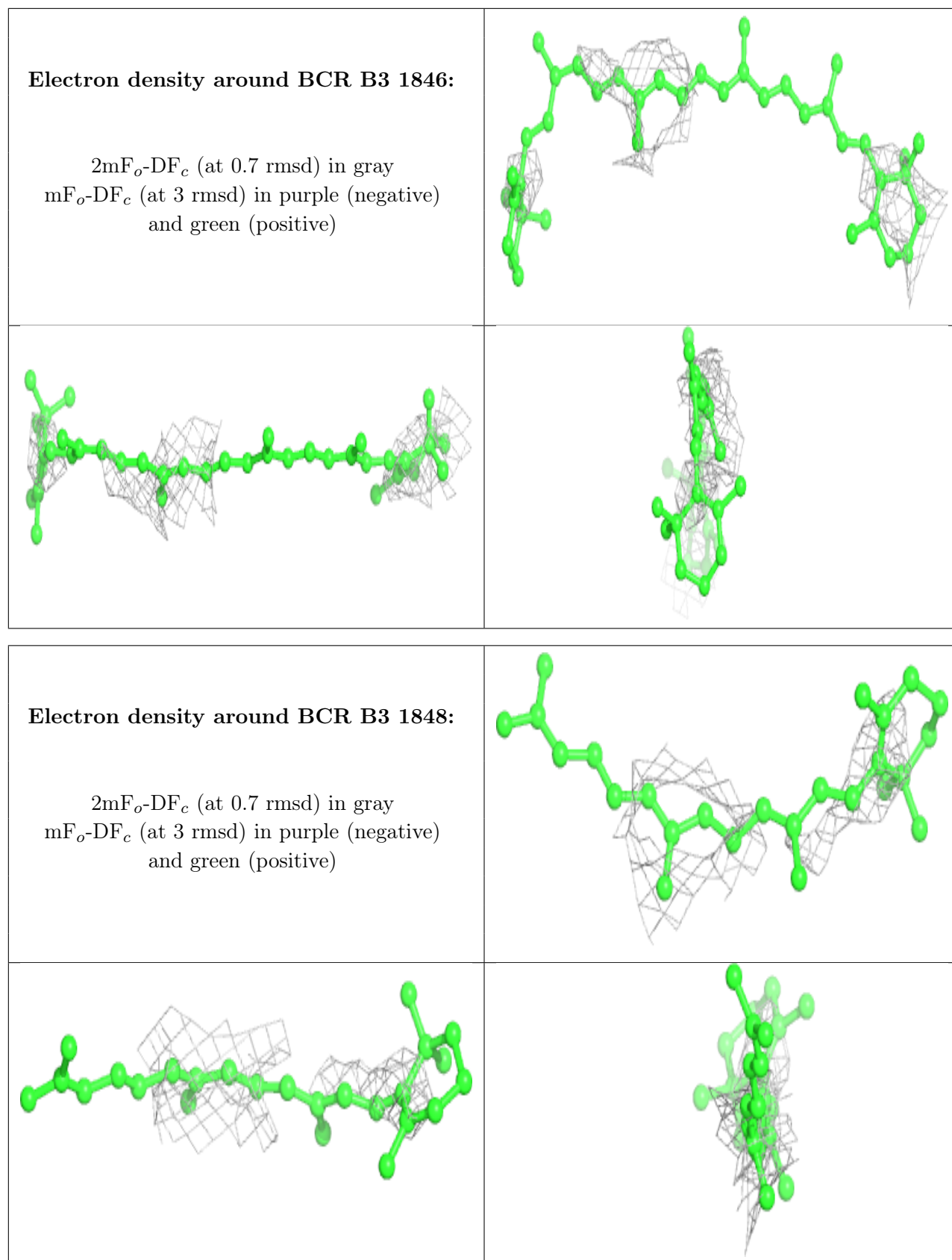
**Electron density around CLA A1 804:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

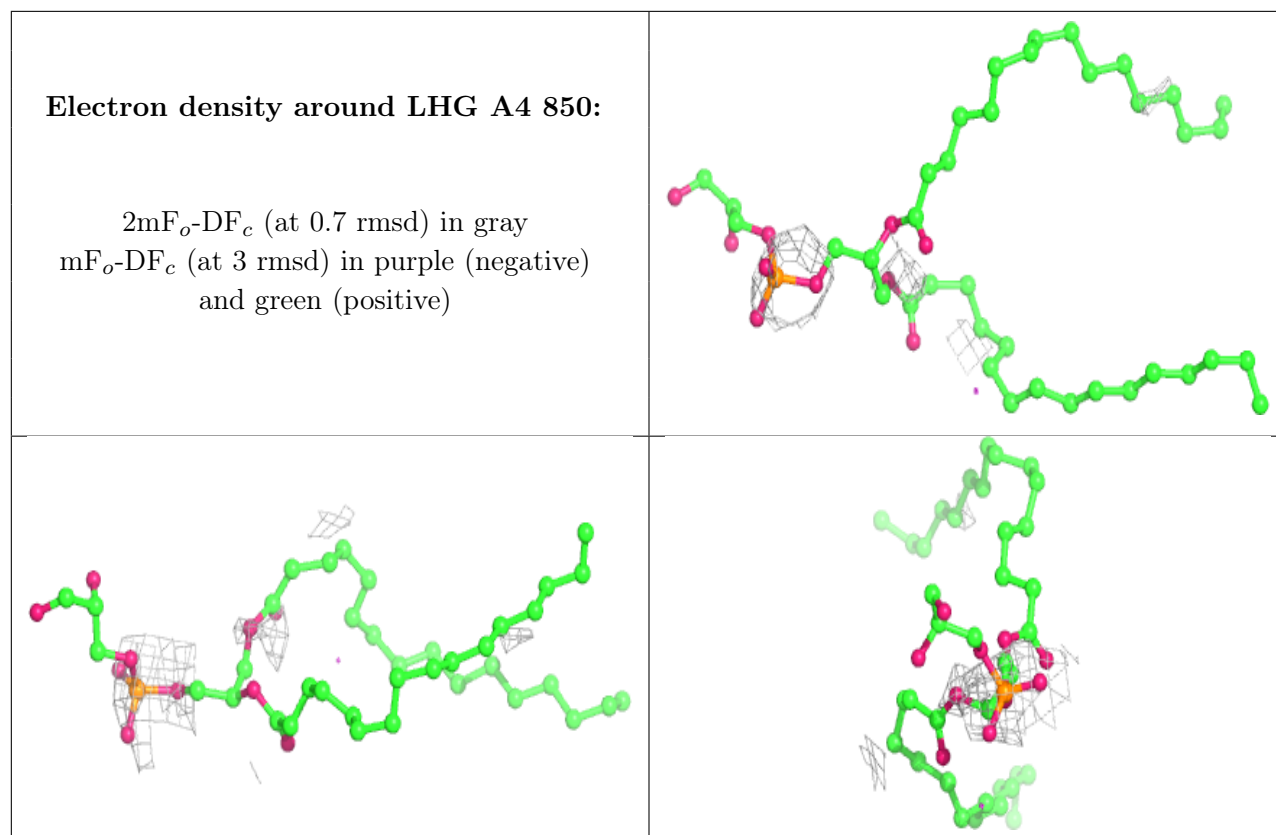
**Electron density around BCR B5 1848:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



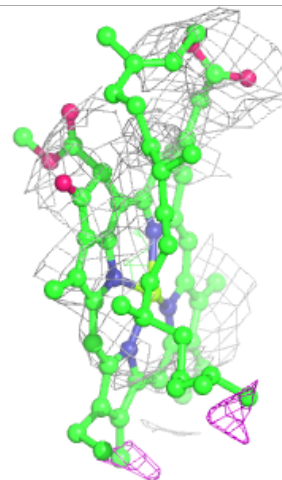
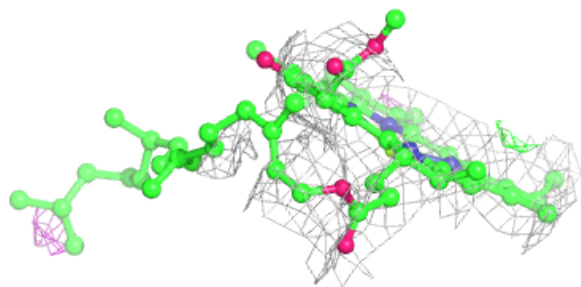
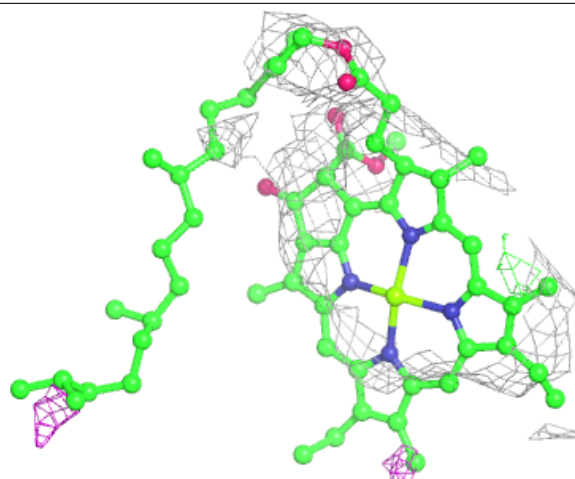


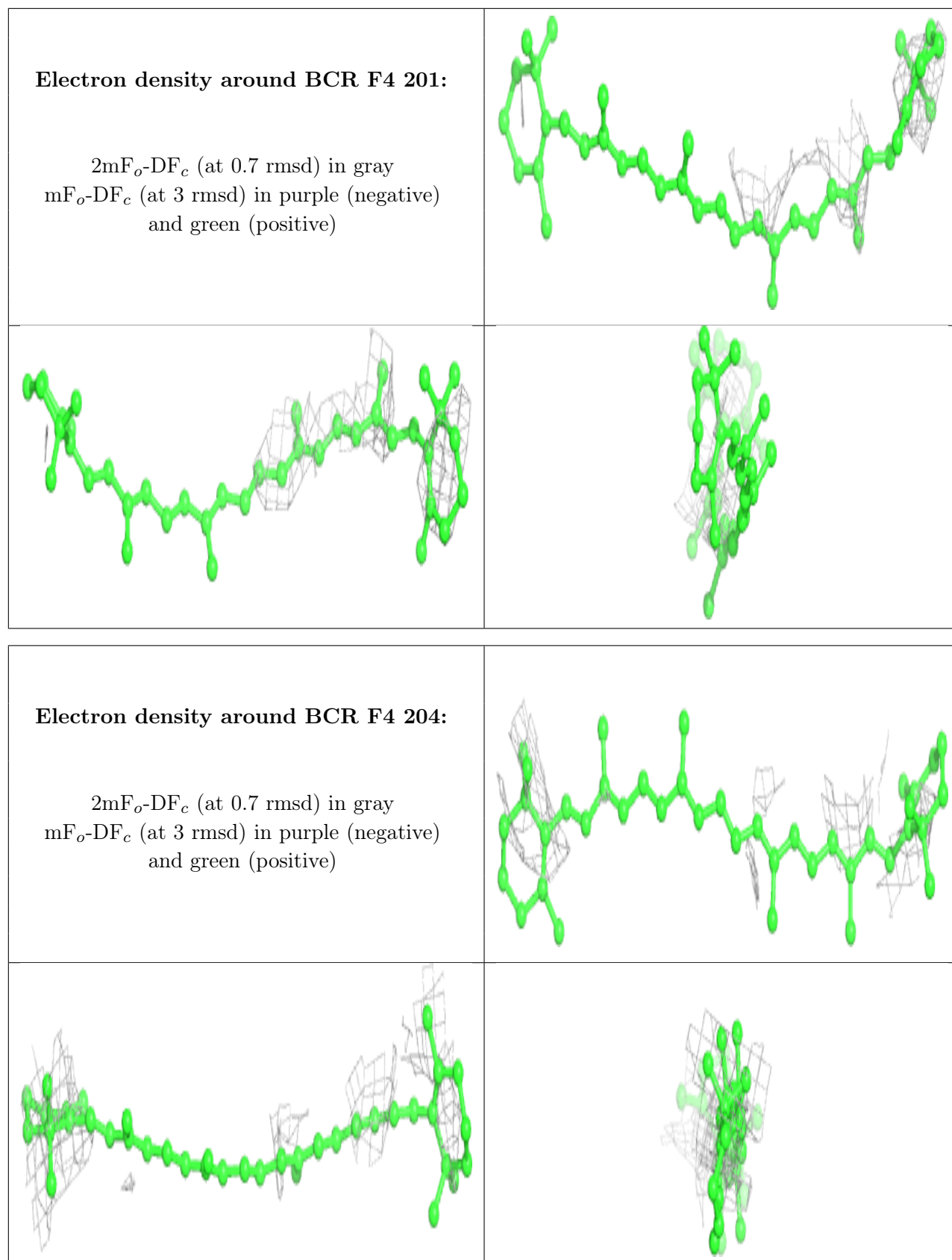




**Electron density around CLA A1 824:**

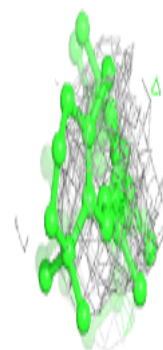
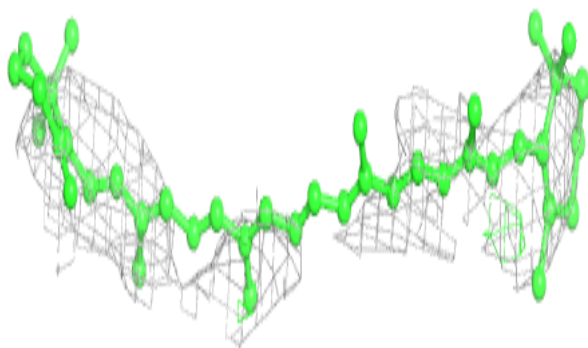
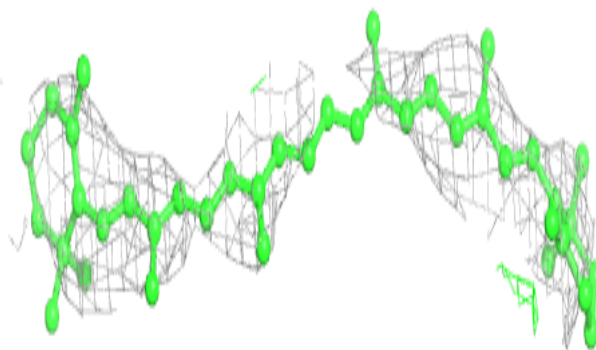
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



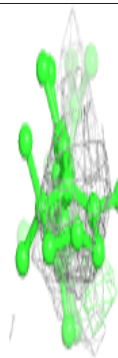
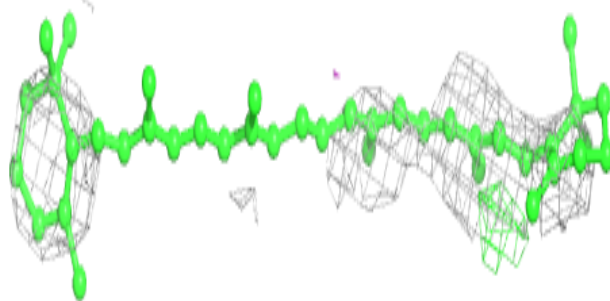
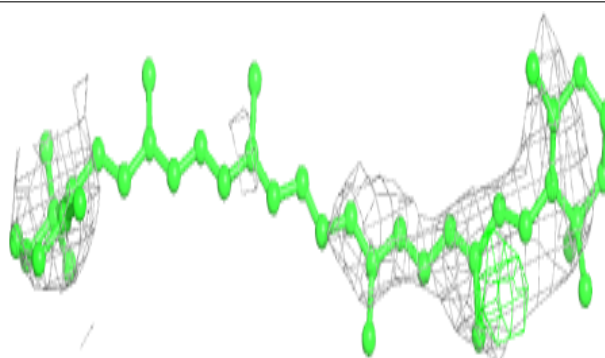


**Electron density around BCR I4 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

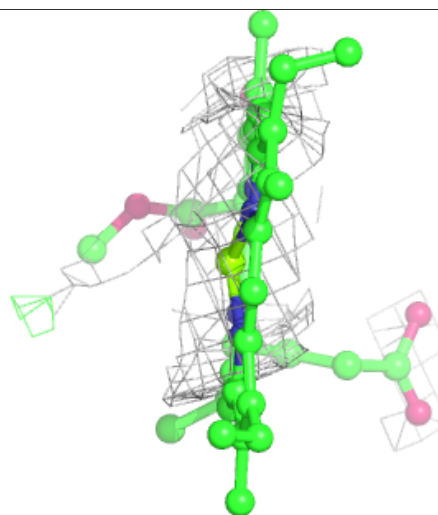
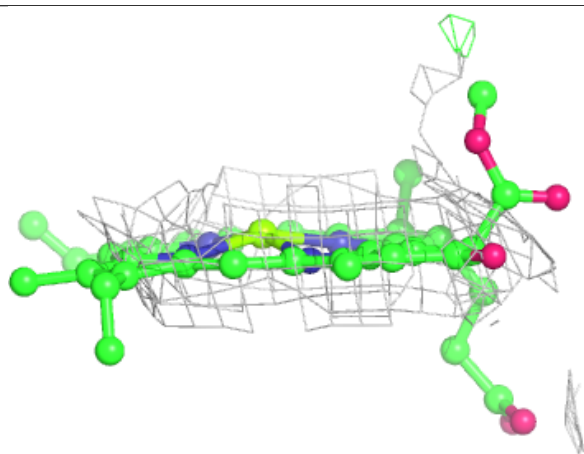
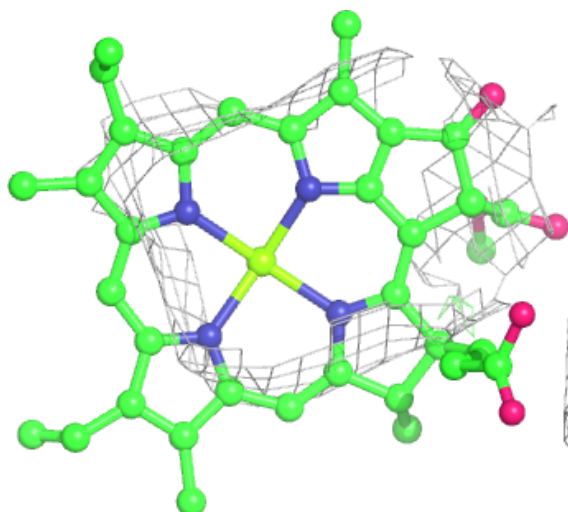
**Electron density around BCR L1 209:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



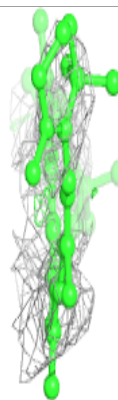
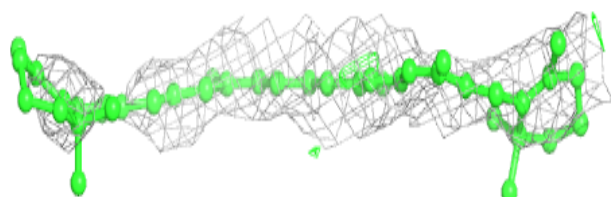
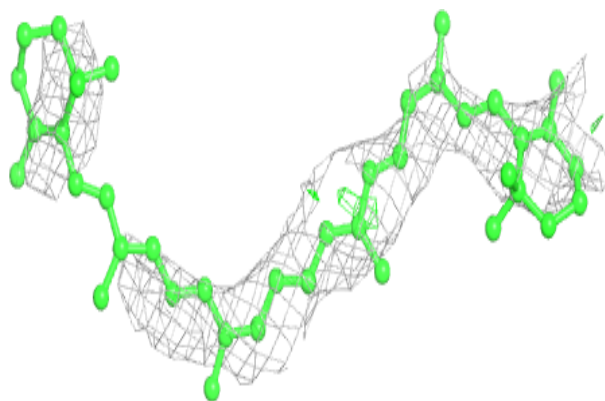
**Electron density around CLA B5 1823:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

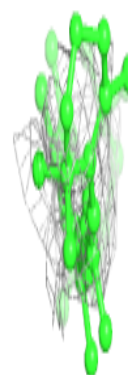
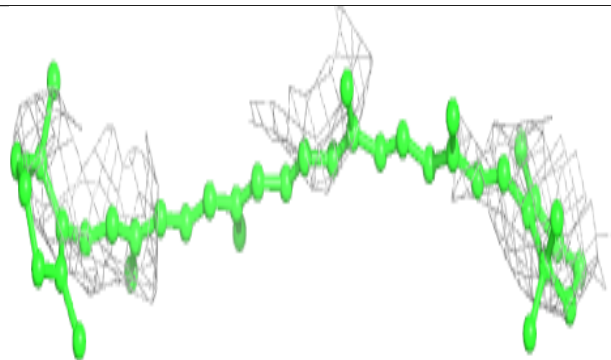
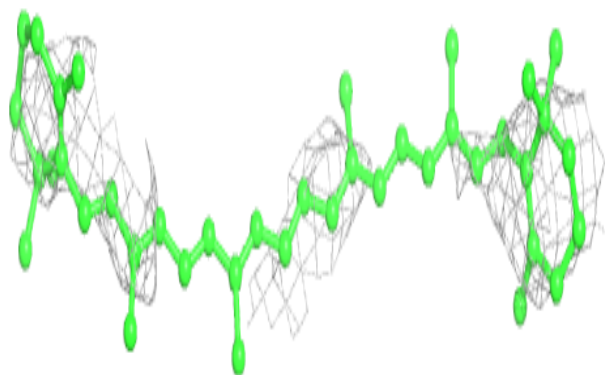


**Electron density around BCR A5 850:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

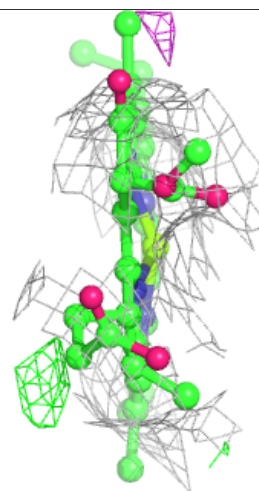
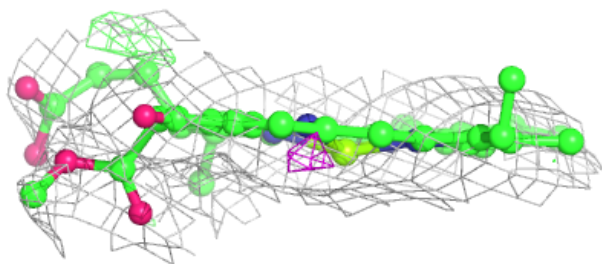
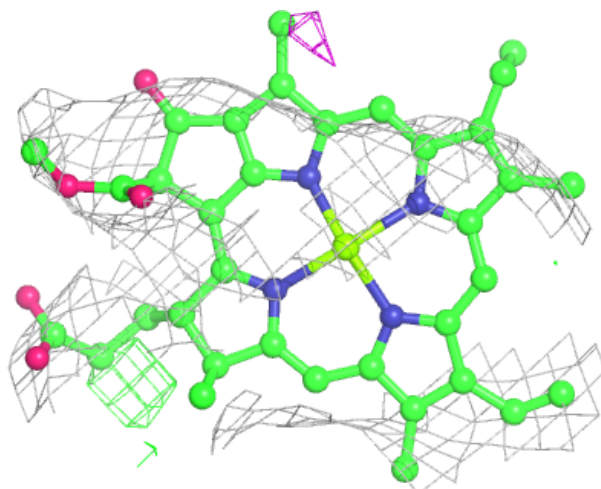
**Electron density around BCR A1 844:**

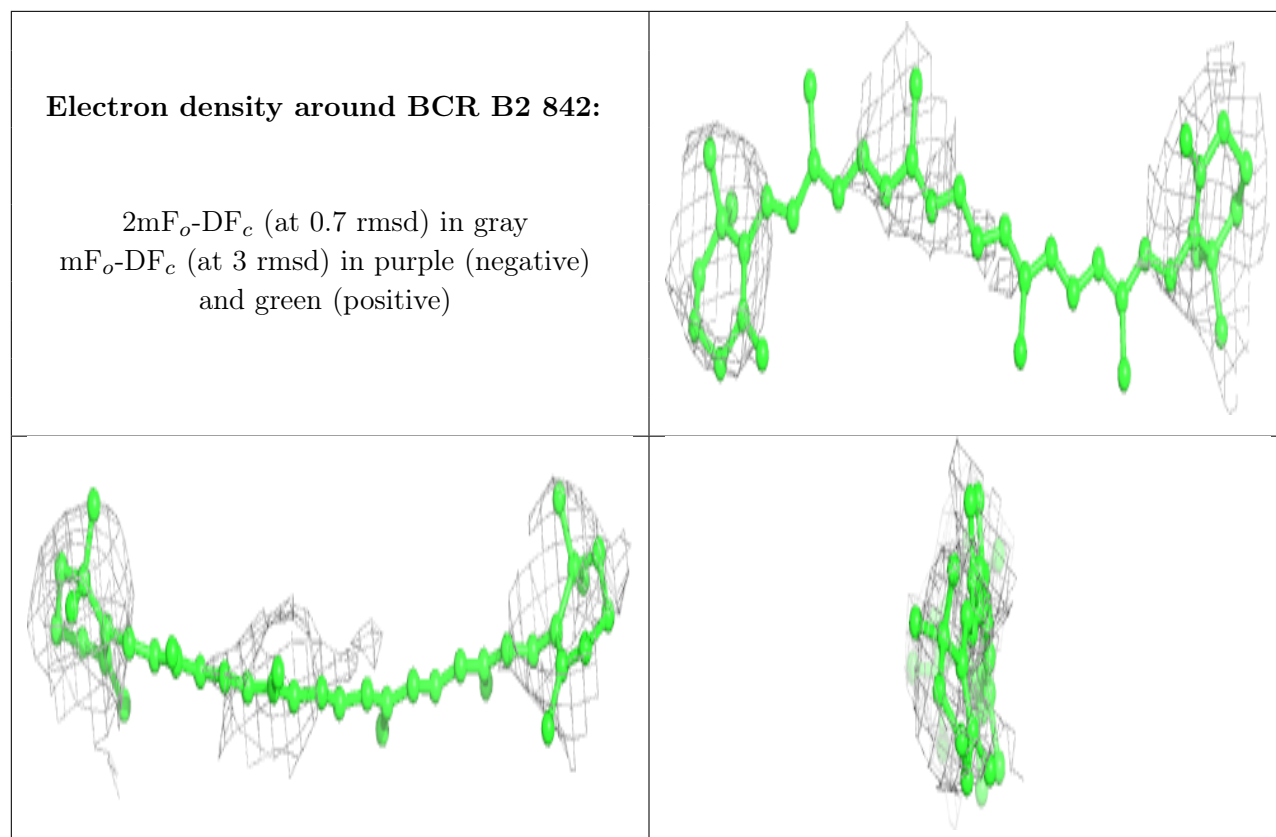
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



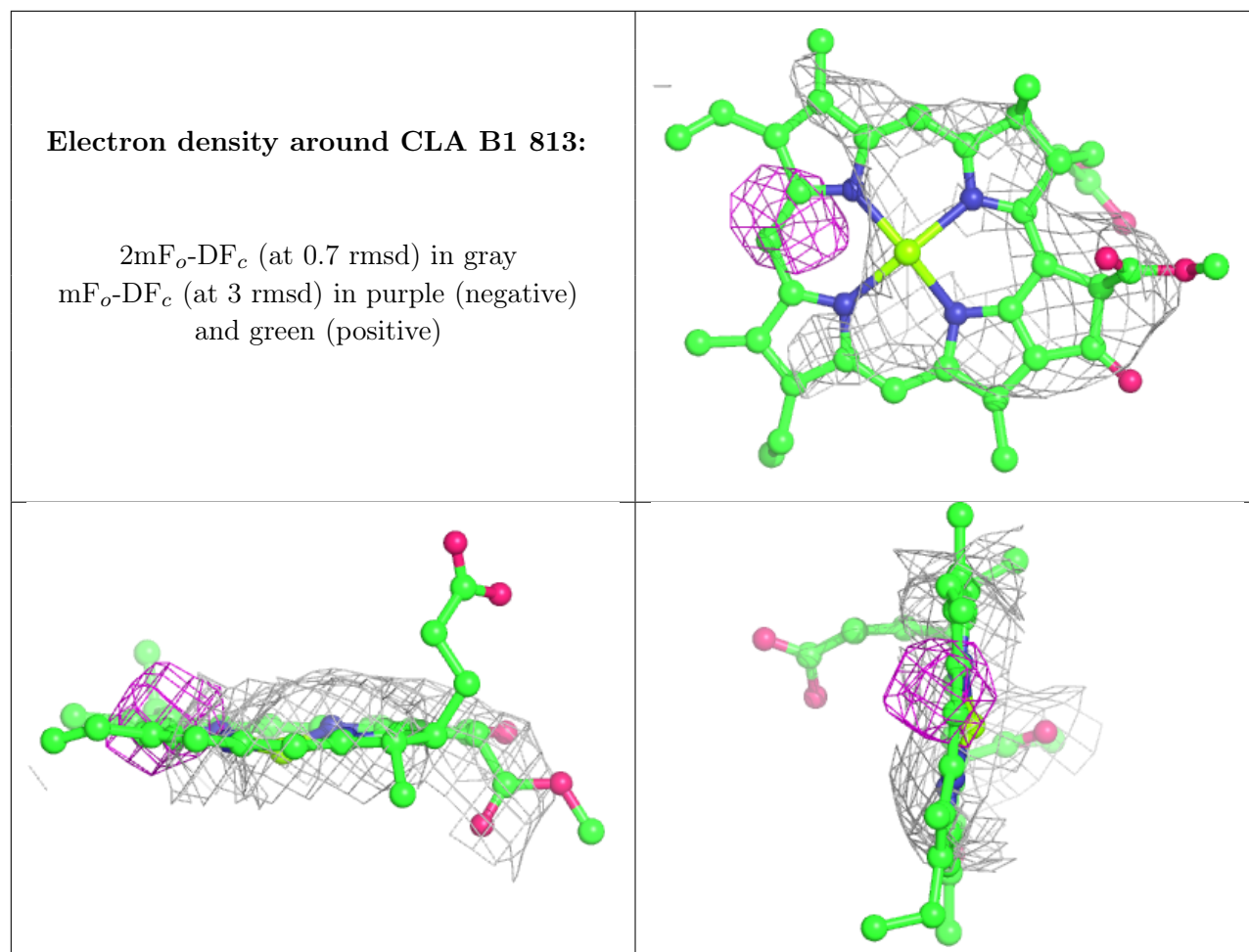
**Electron density around CLA B4 838:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



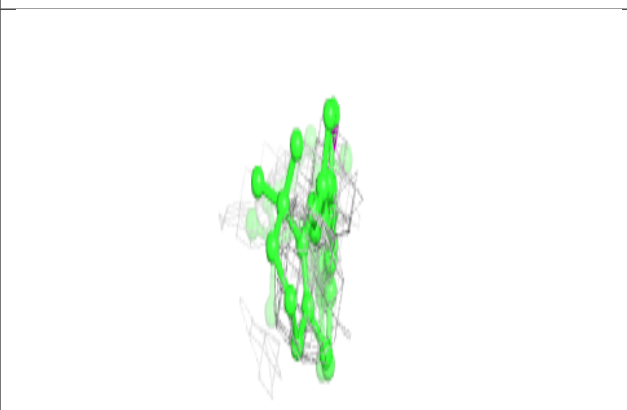
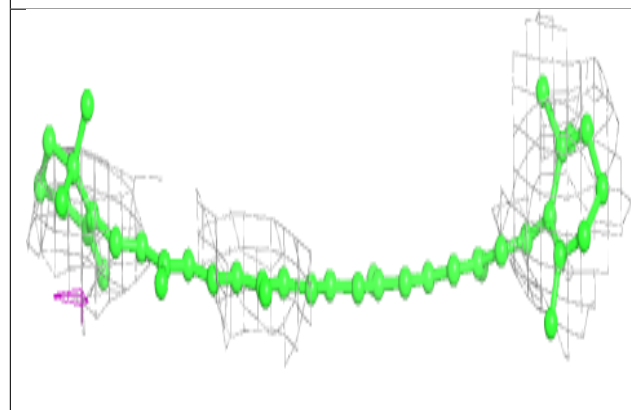
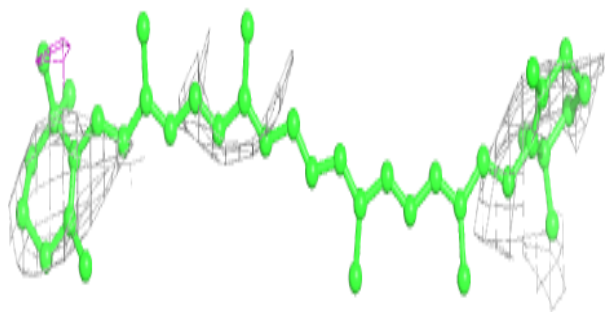




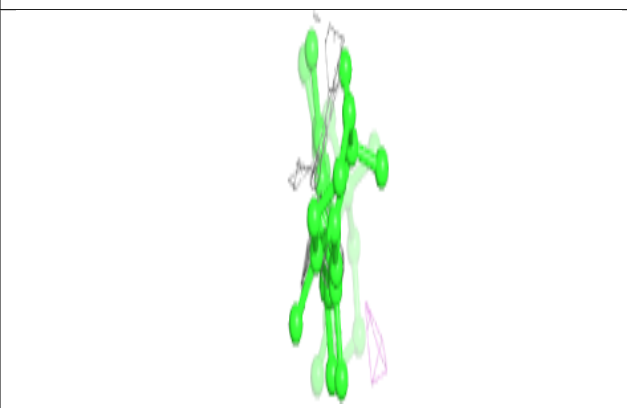
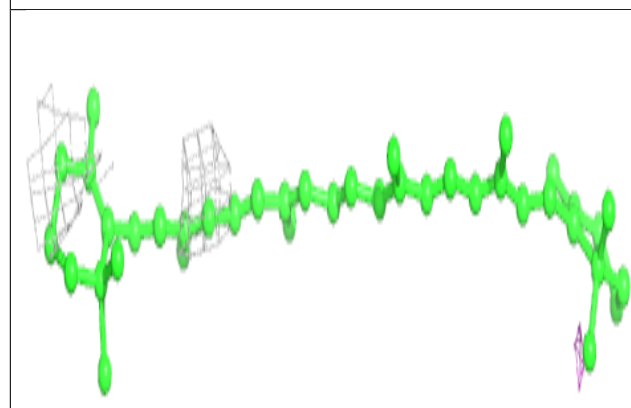
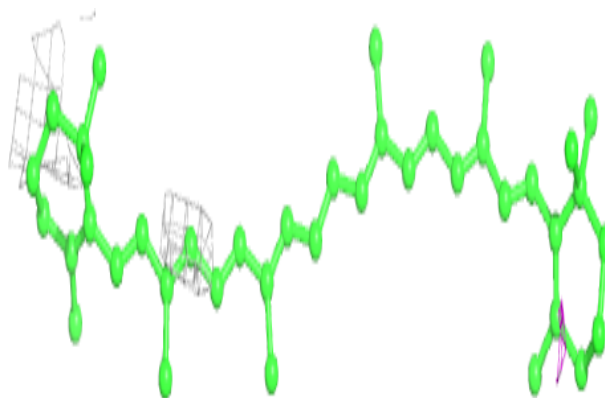


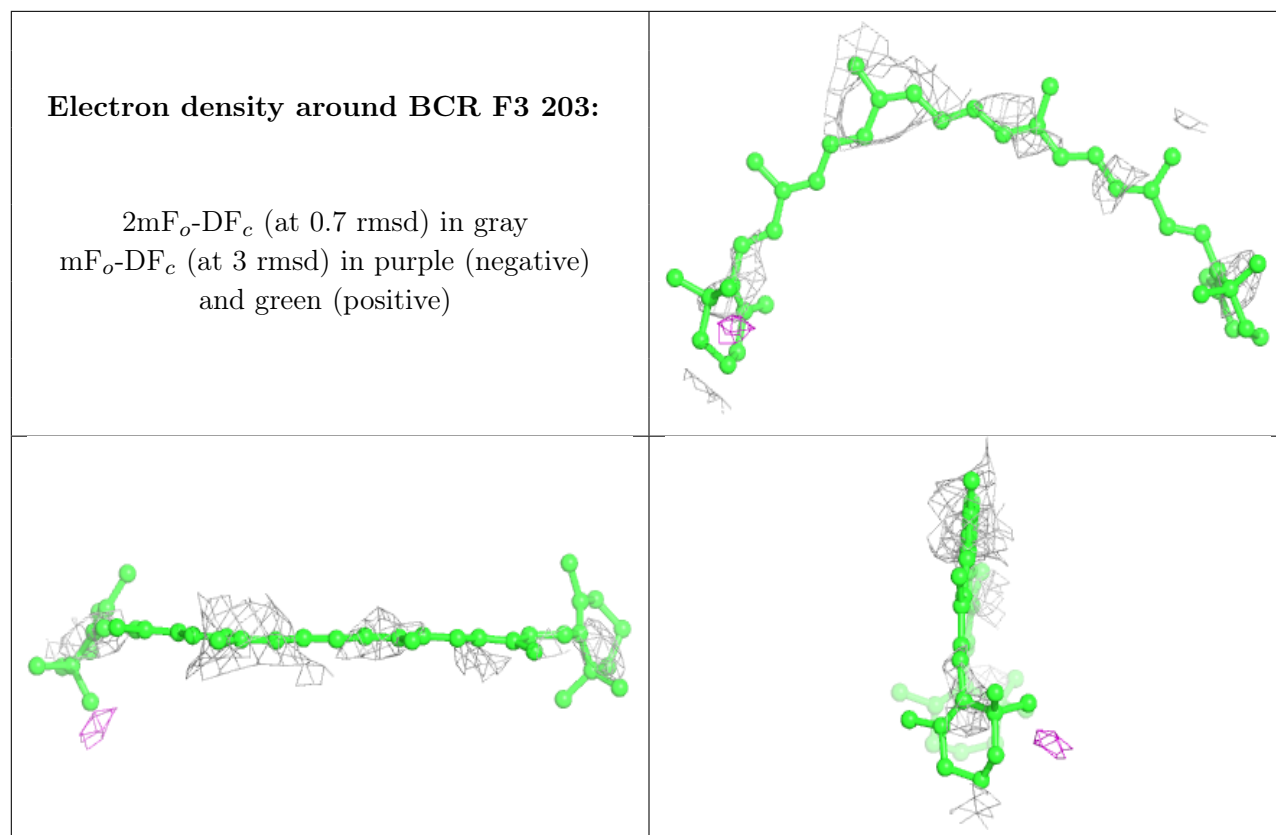
**Electron density around BCR A2 1647:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR J4 103:**

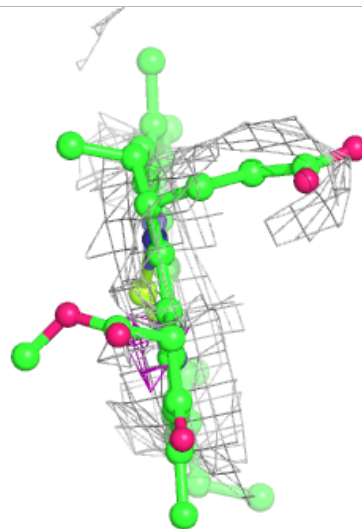
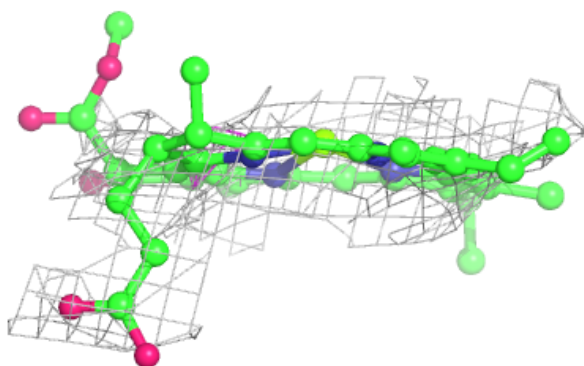
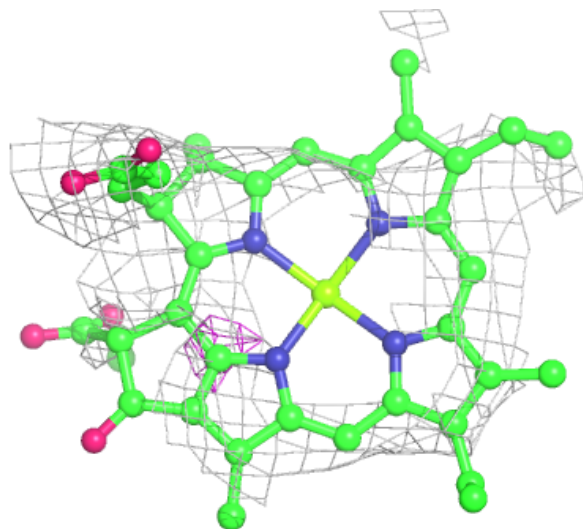
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





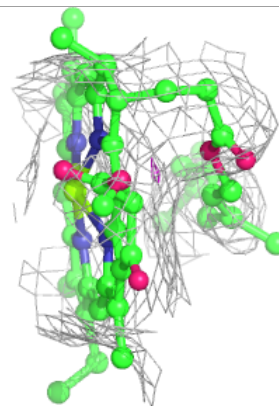
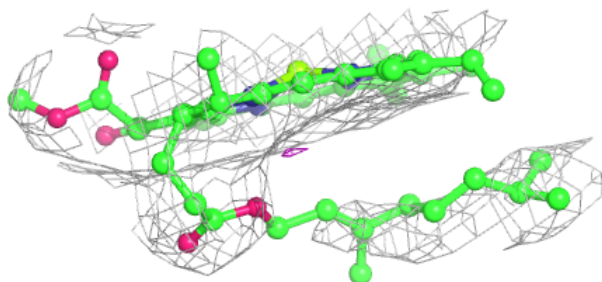
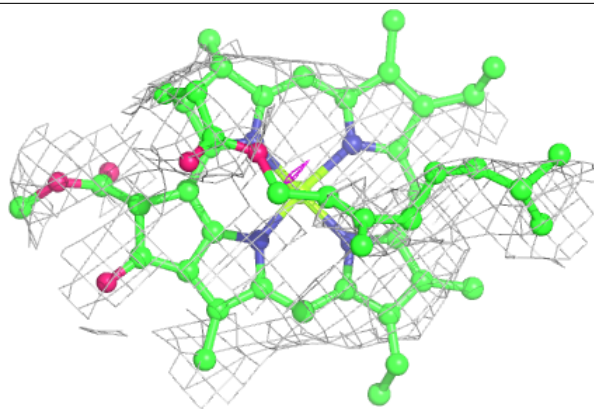
**Electron density around CLA B1 835:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

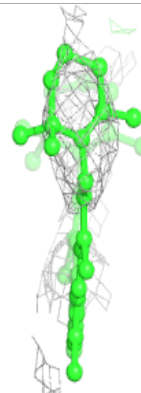
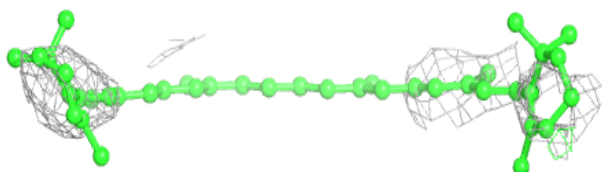
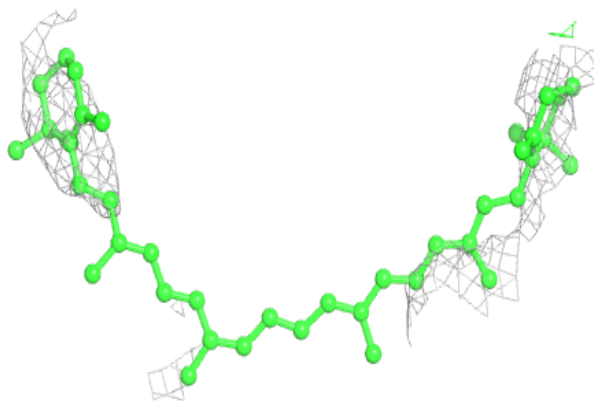


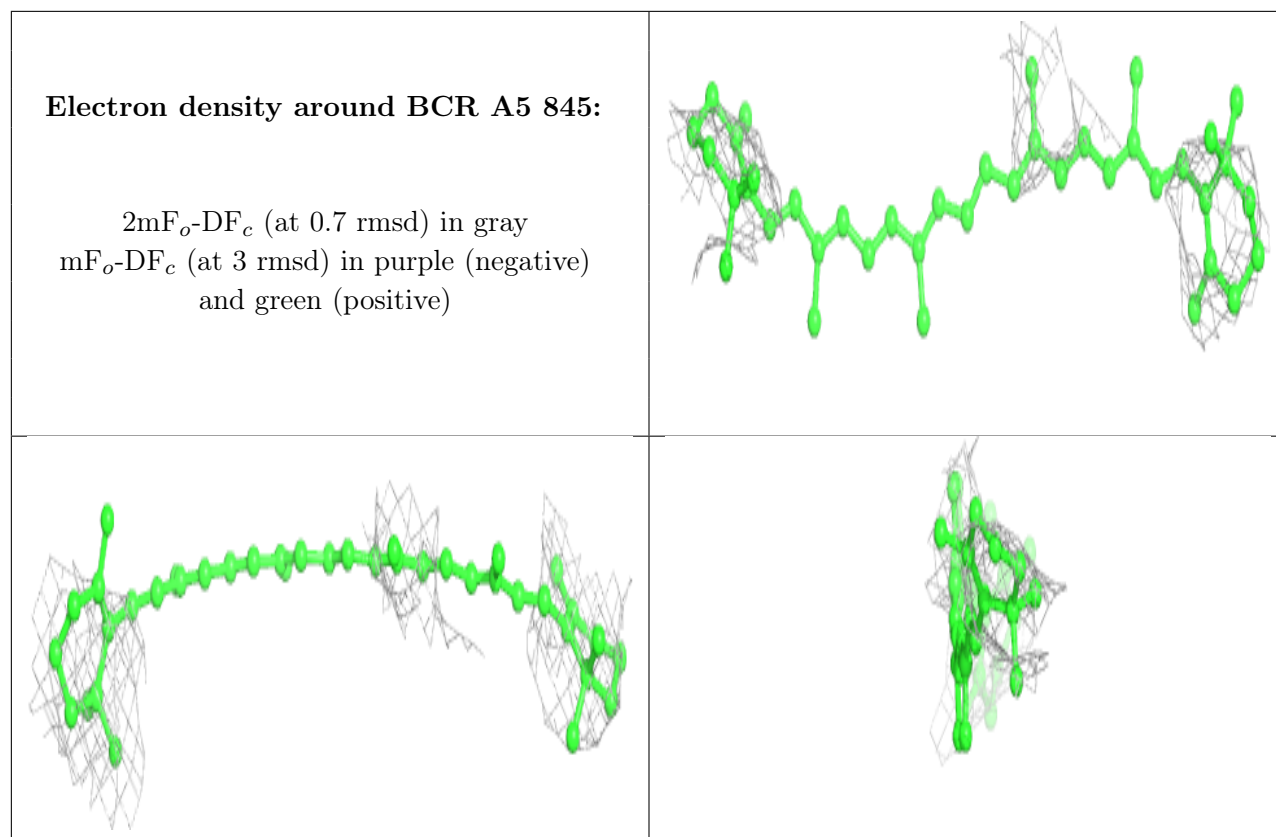
**Electron density around CLA B3 1824:**

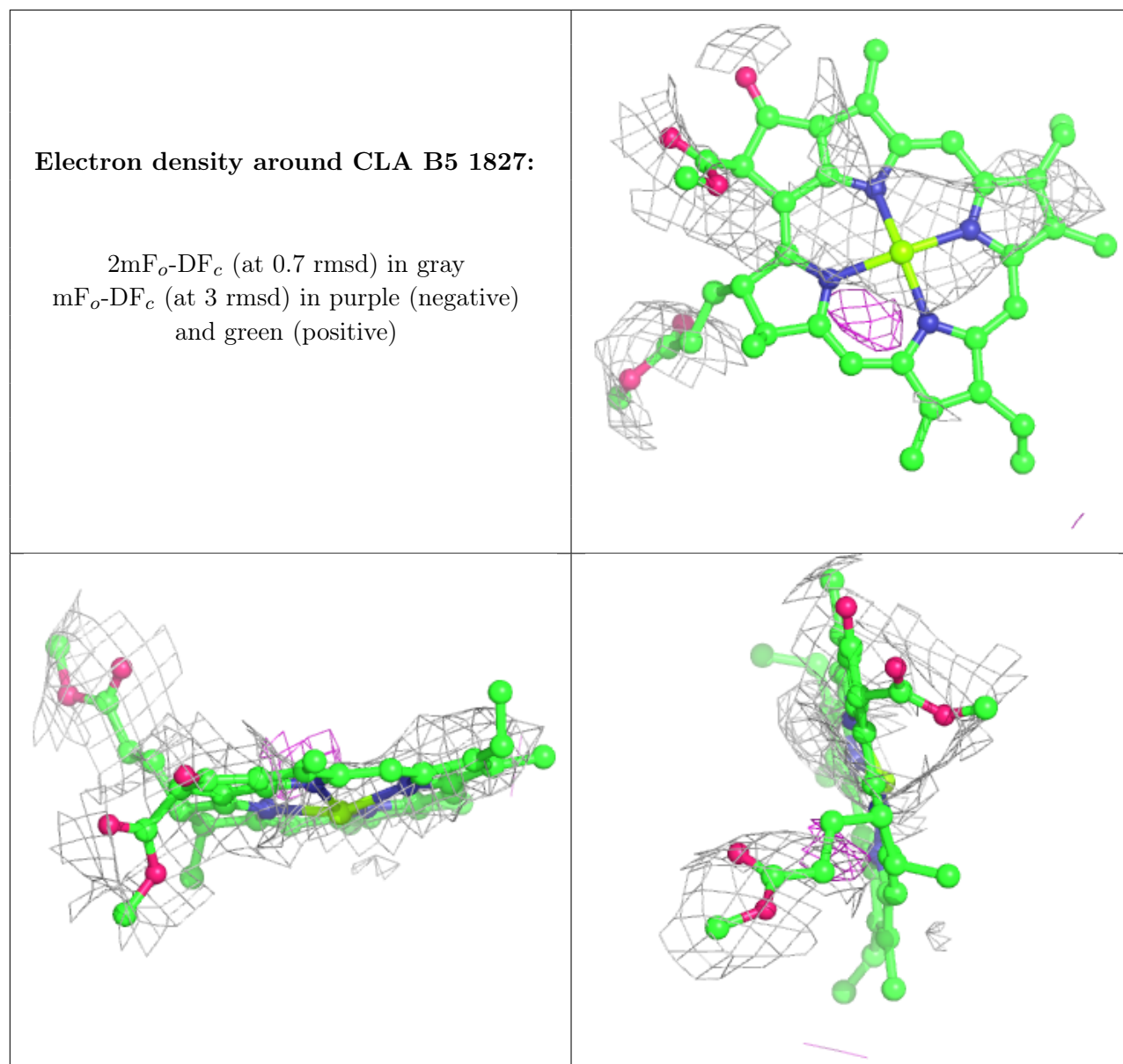
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR F4 203:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

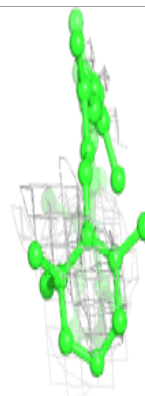
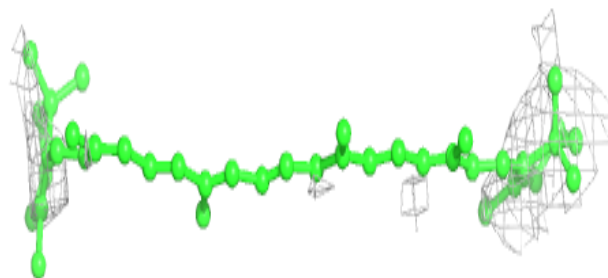
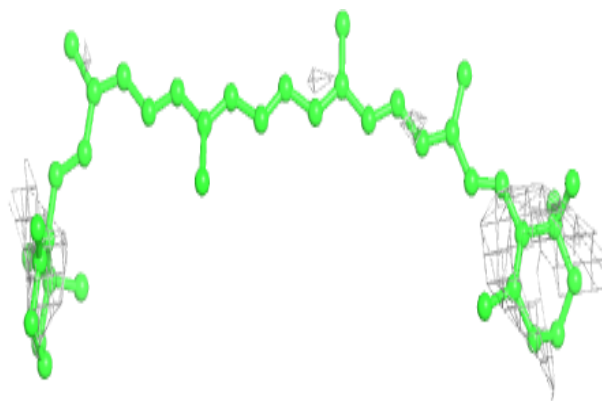




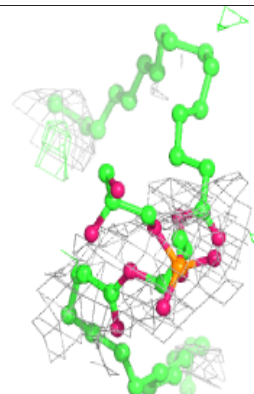
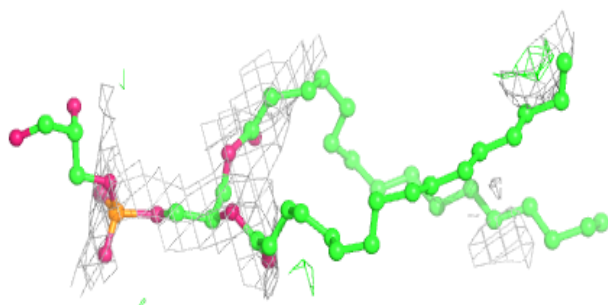
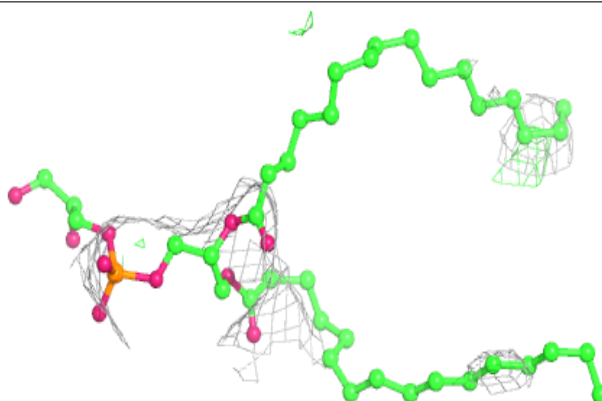


**Electron density around BCR B2 843:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around LHG A1 848:**

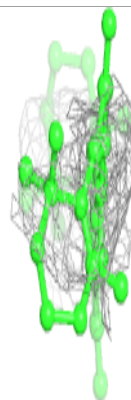
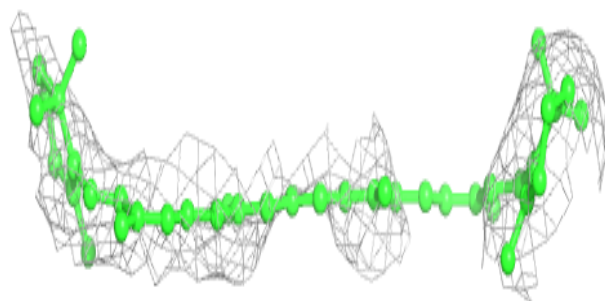
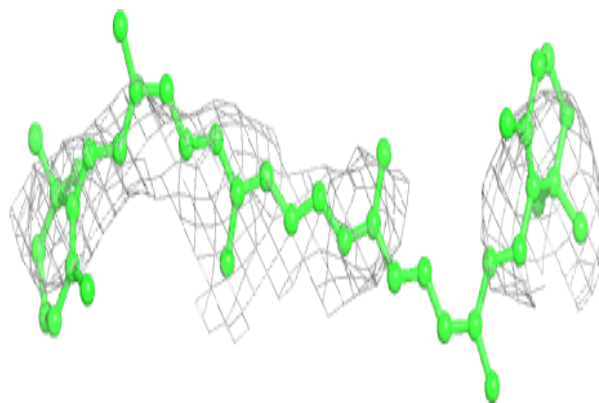
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



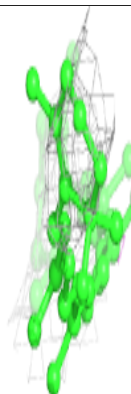
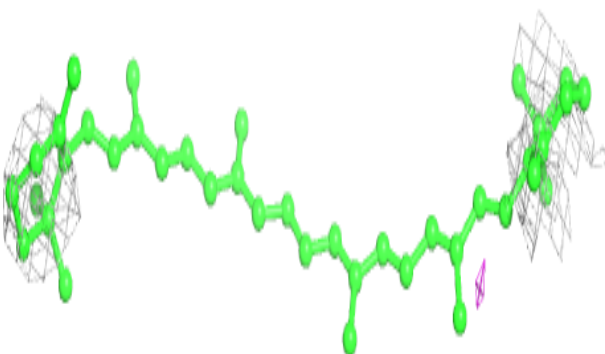
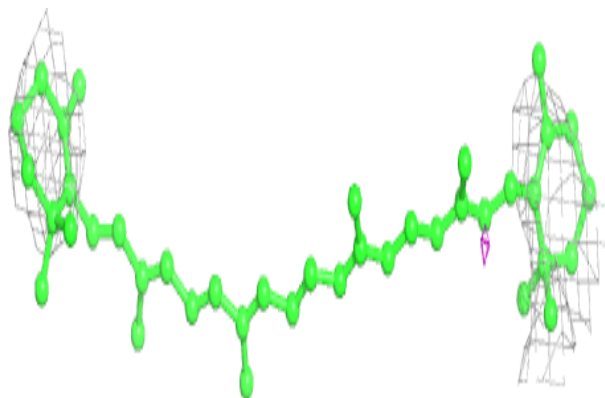


**Electron density around BCR B3 1847:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

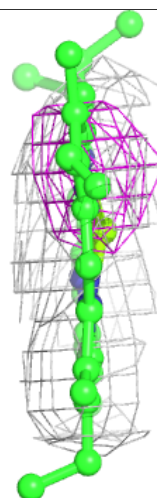
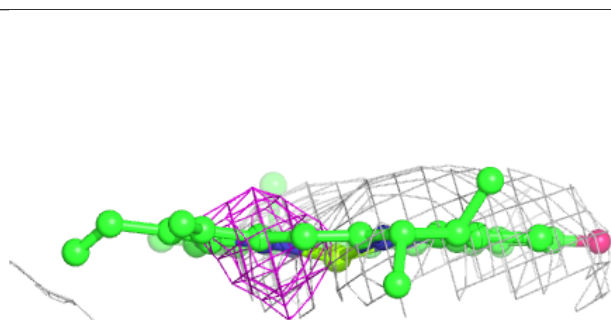
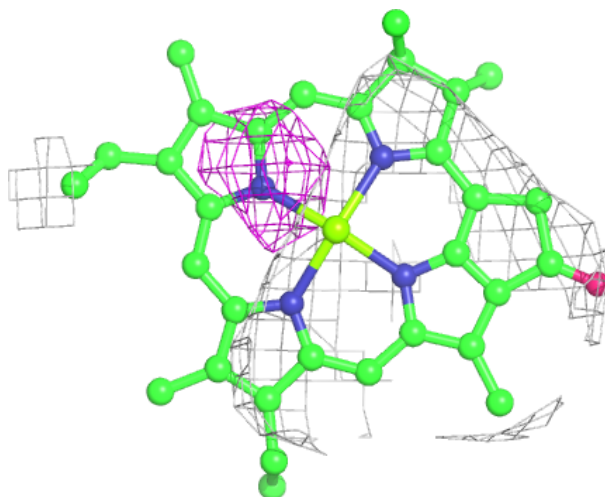
**Electron density around BCR J2 103:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



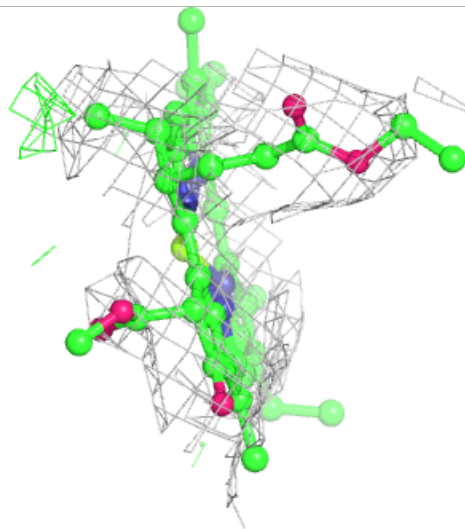
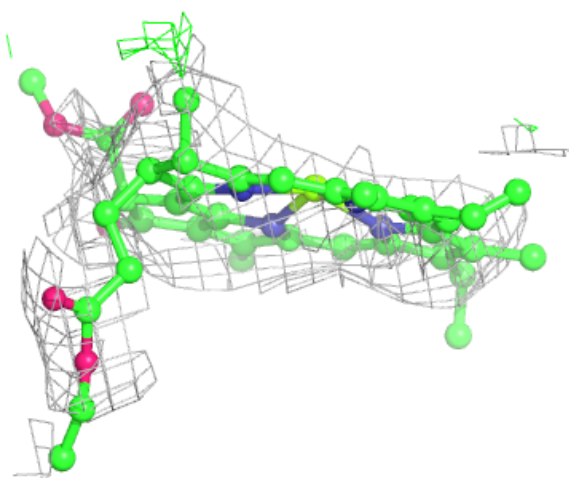
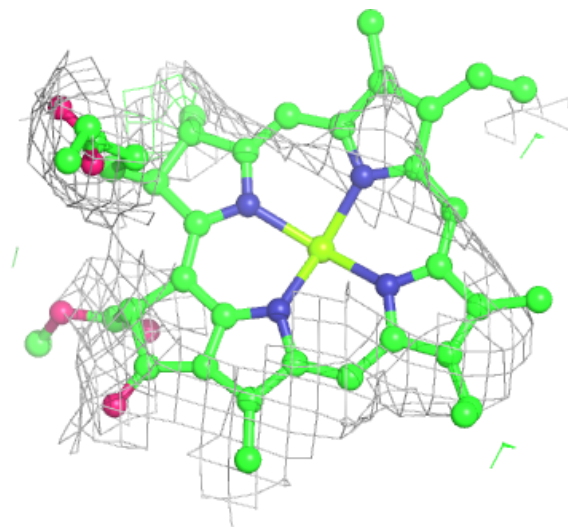
**Electron density around CLA F2 204:**

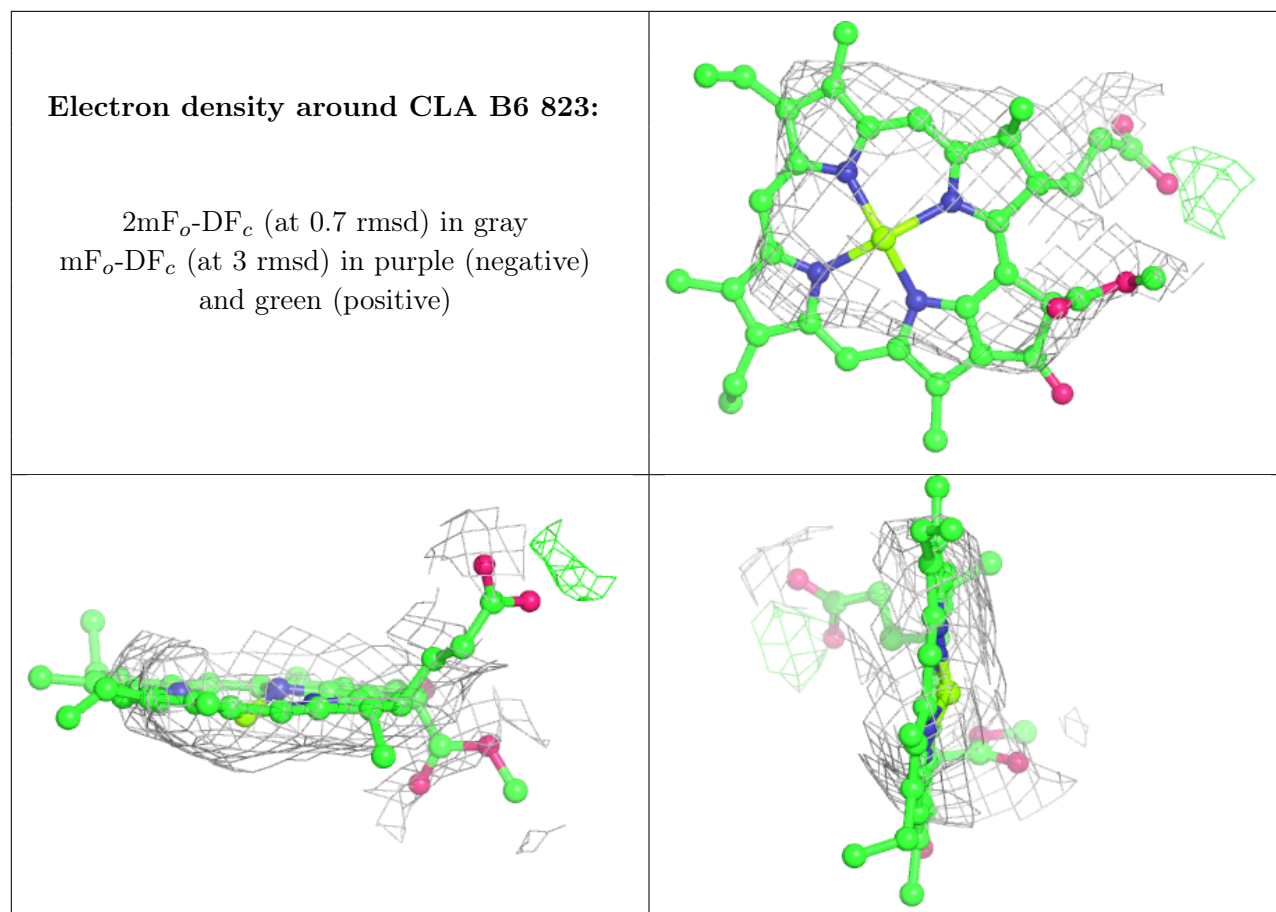
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

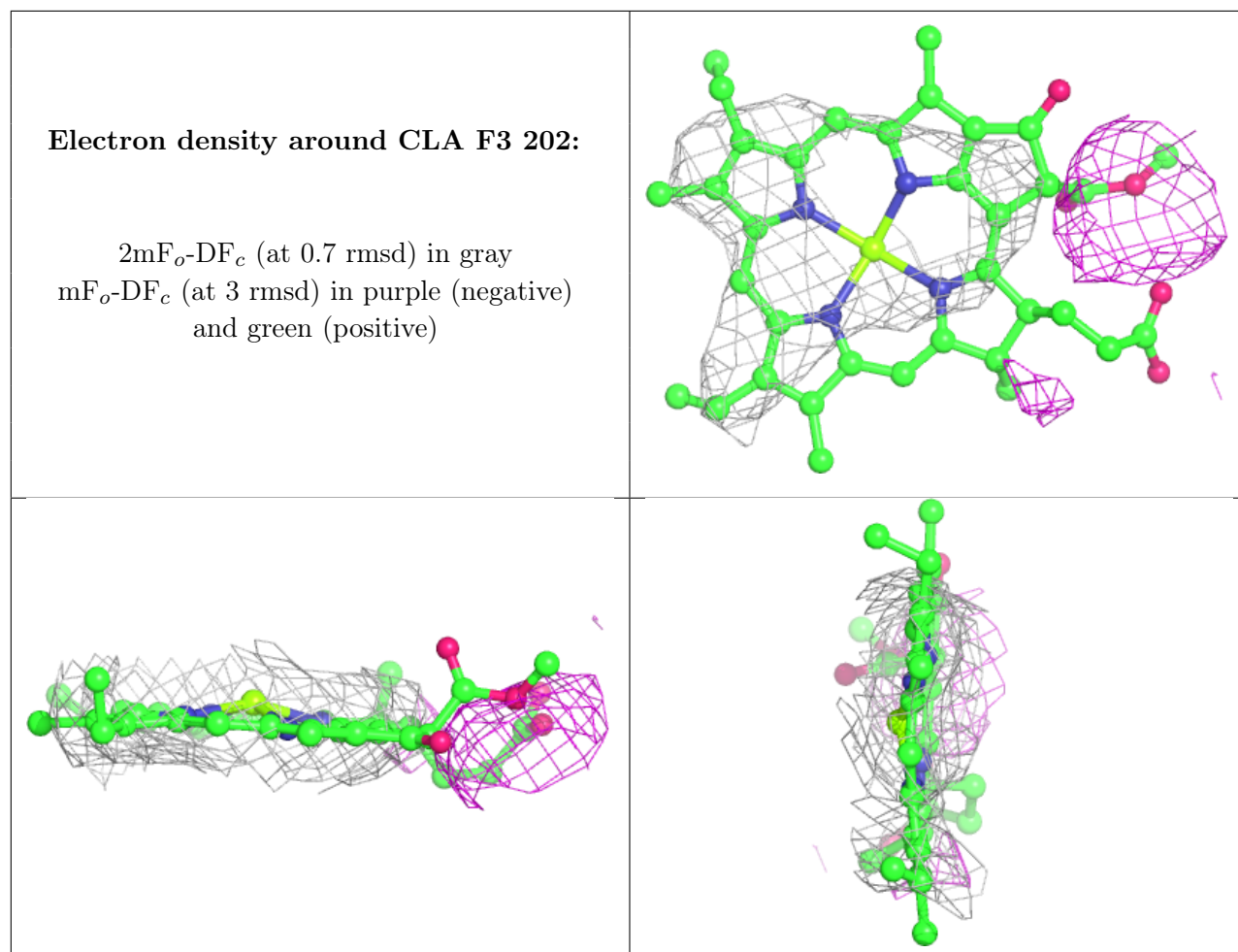


**Electron density around CLA B1 840:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

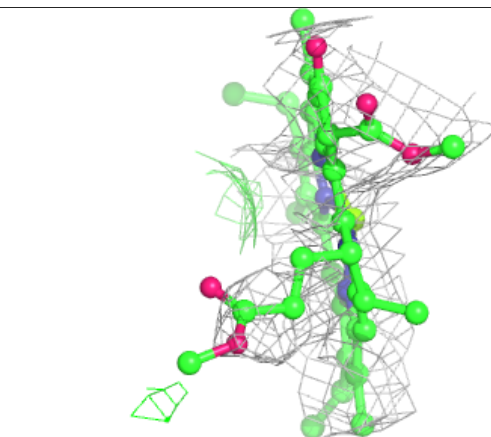
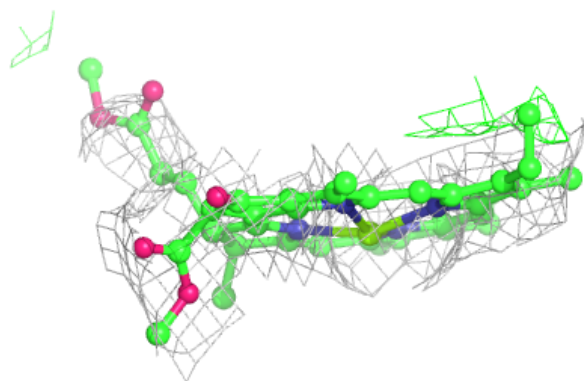
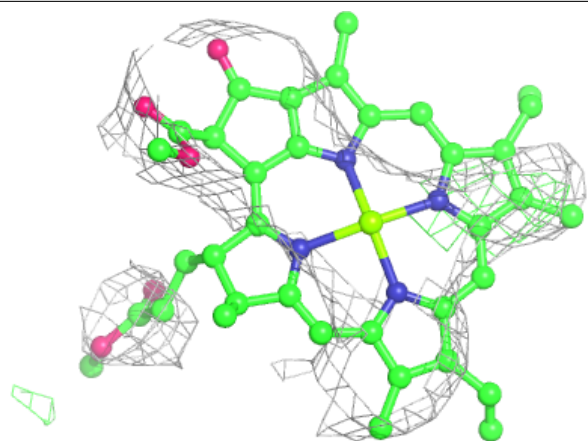




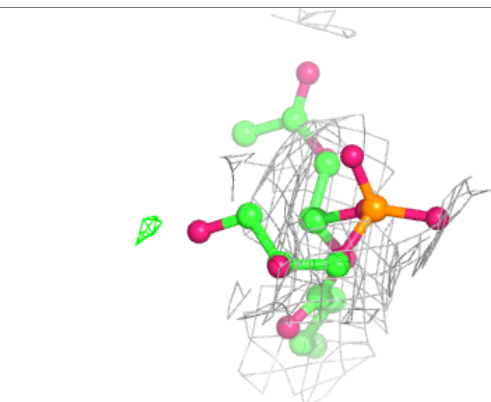
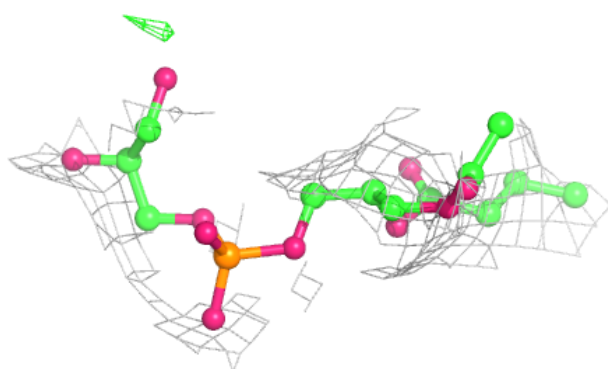
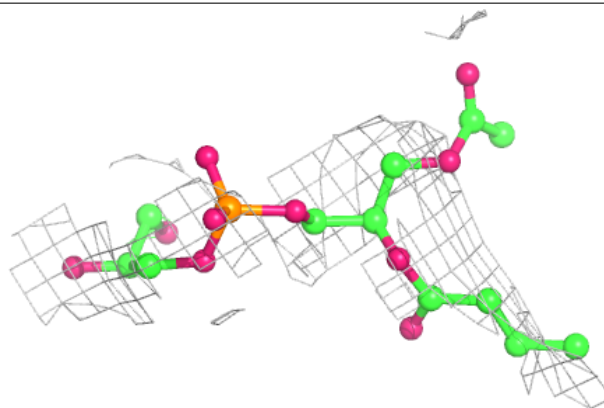


**Electron density around CLA B1 826:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

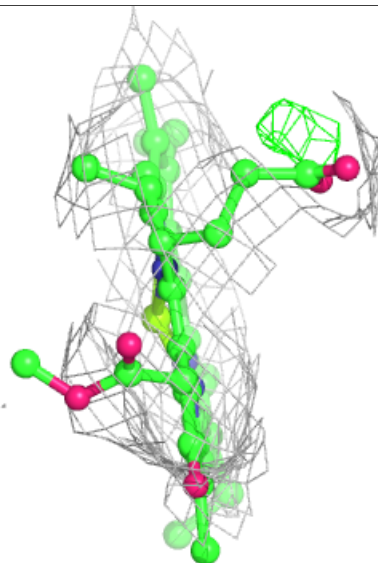
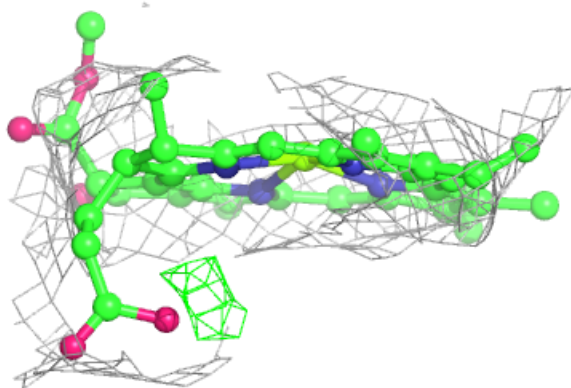
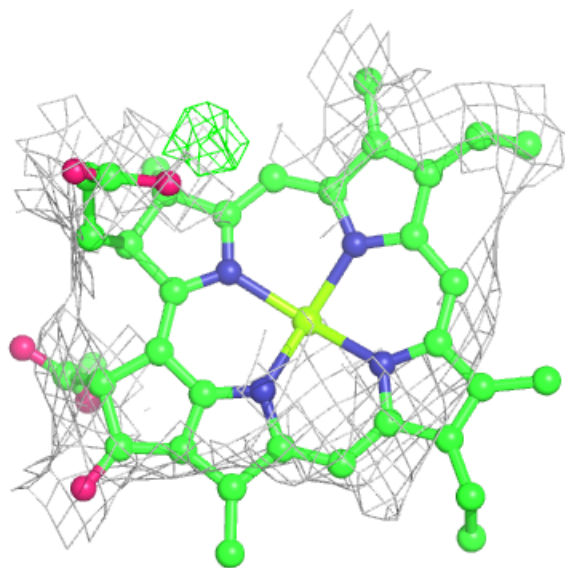
**Electron density around LHG B2 849:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



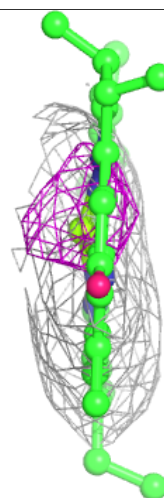
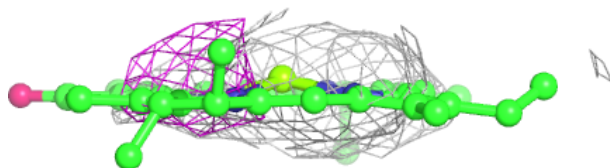
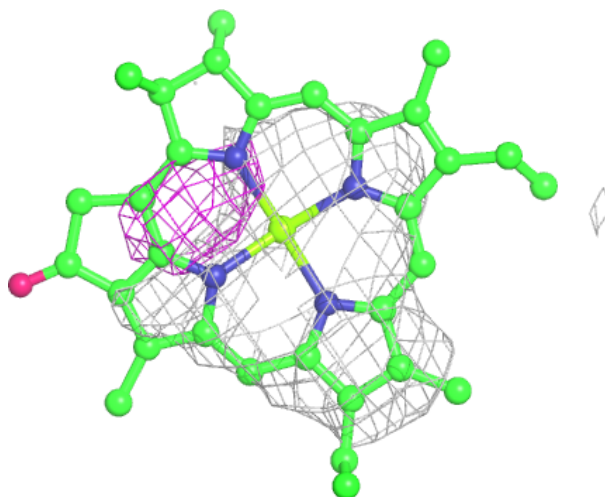
**Electron density around CLA B1 831:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA J1 102:**

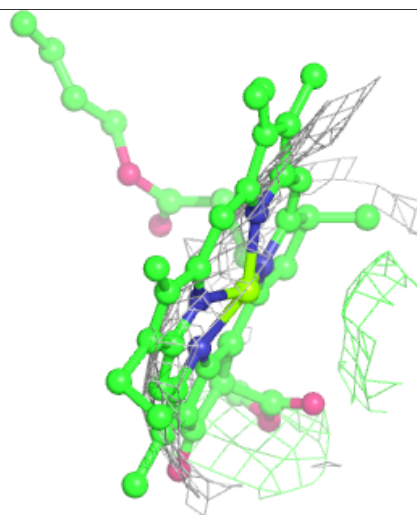
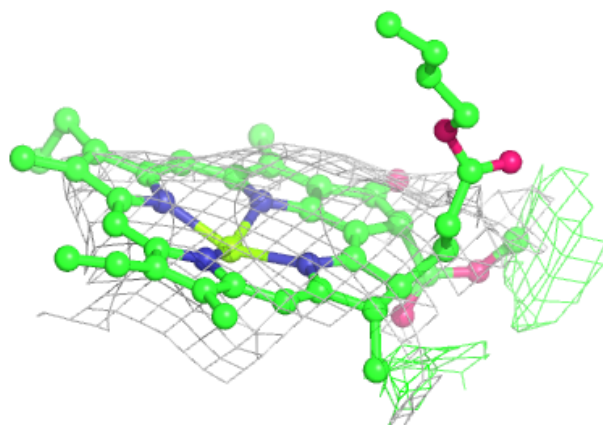
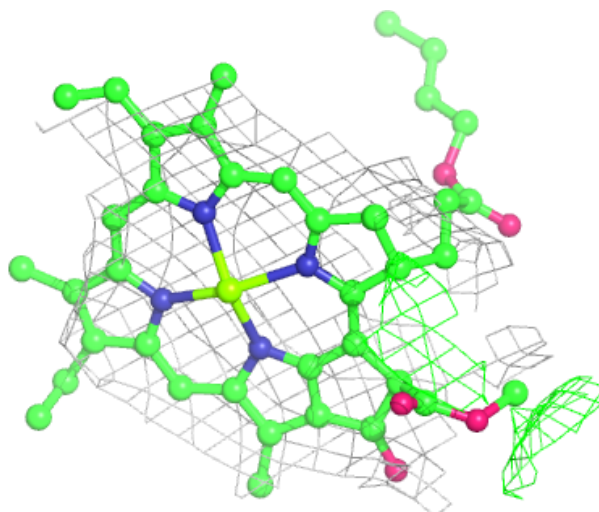
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

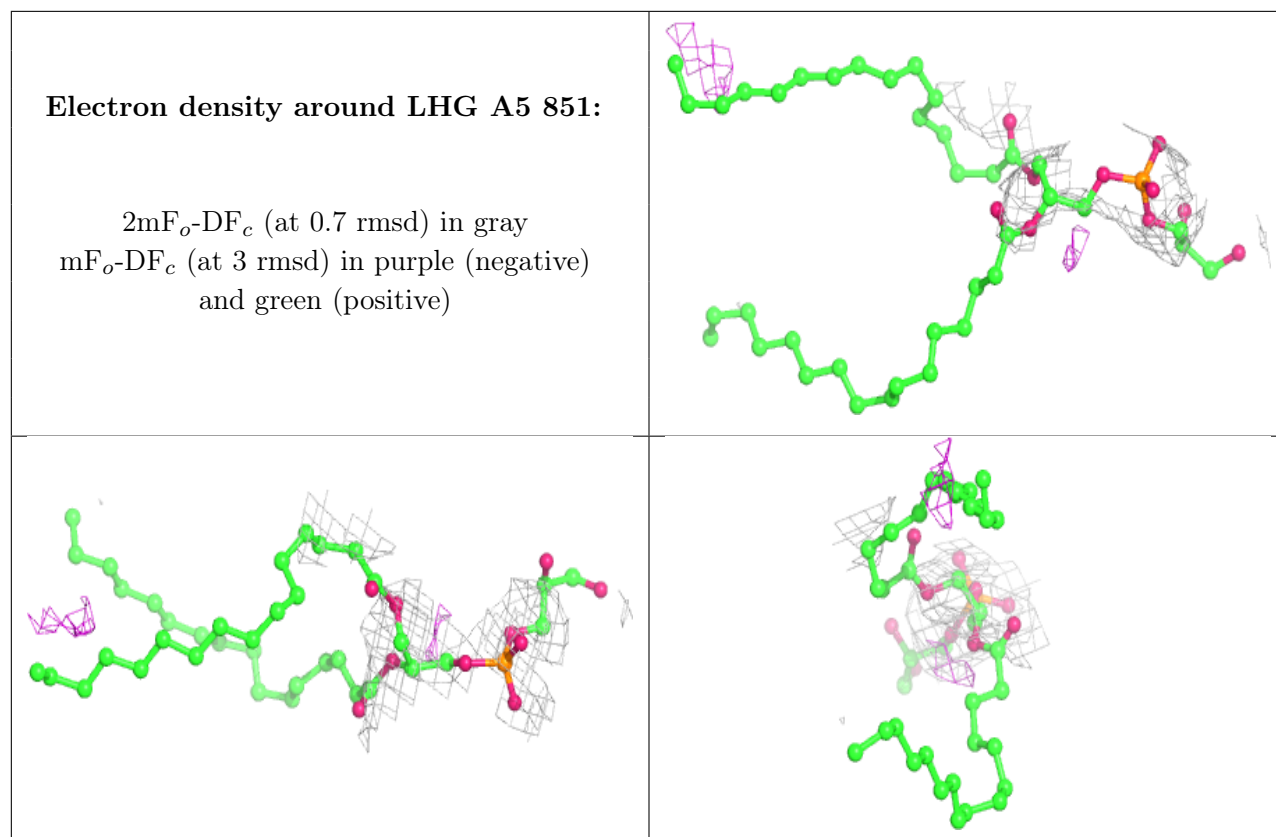




**Electron density around CLA A4 815:**

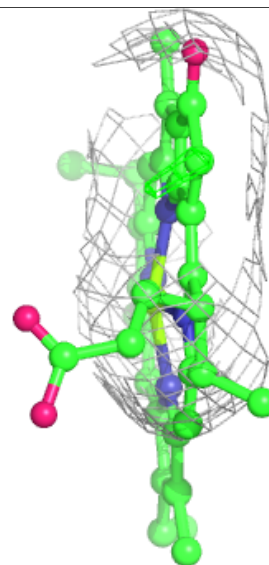
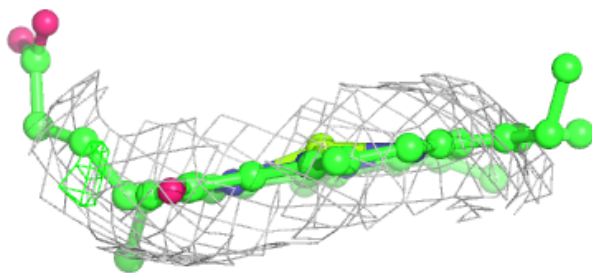
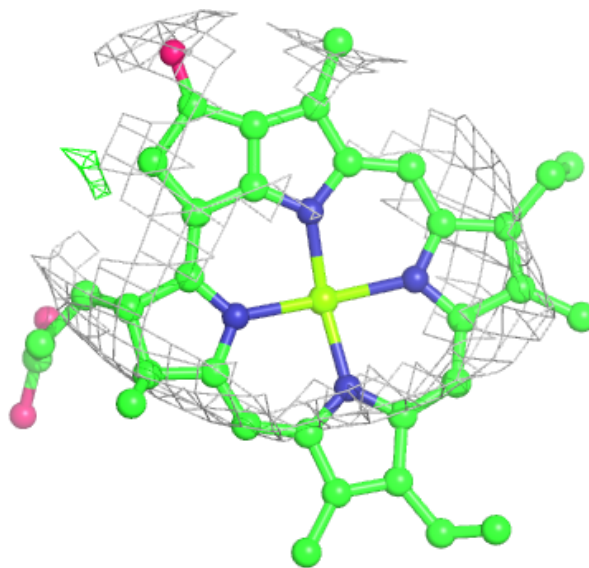
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





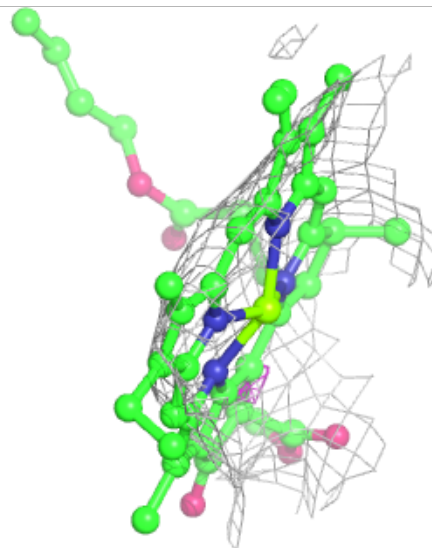
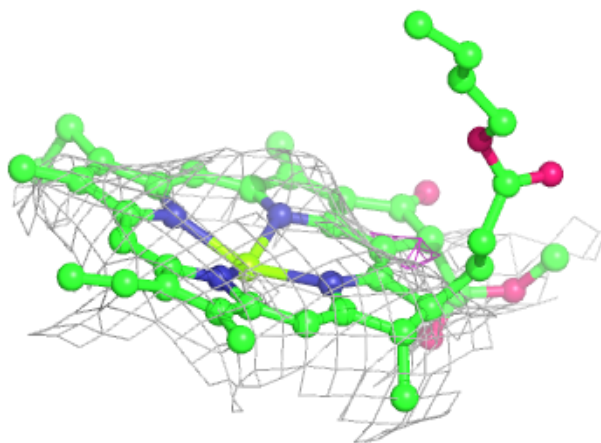
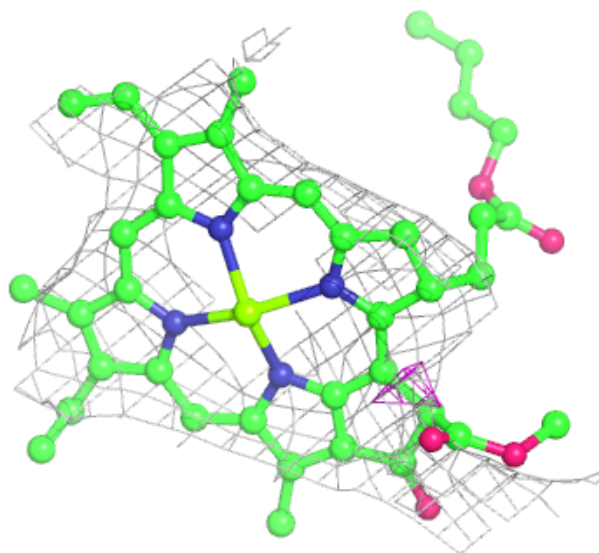
**Electron density around CLA A1 840:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



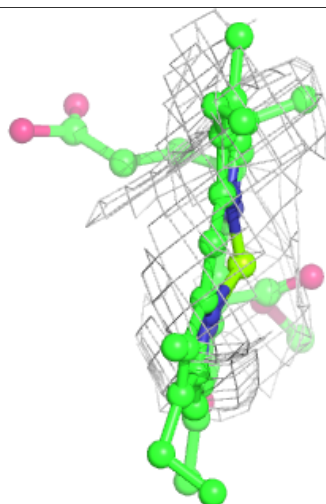
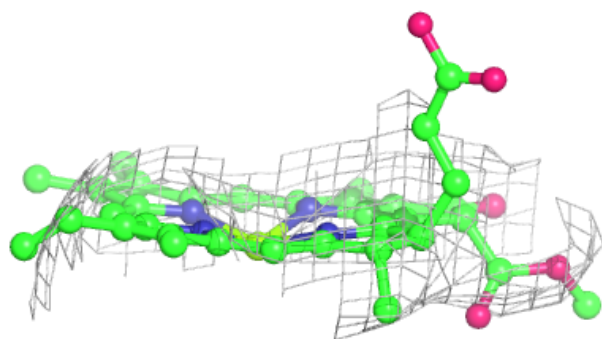
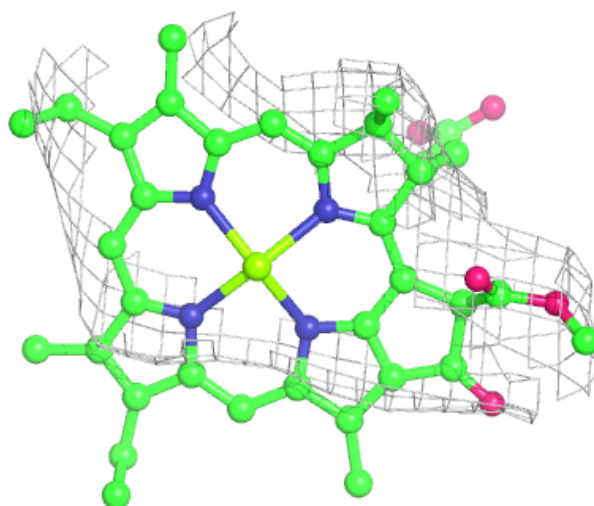
**Electron density around CLA A2 1618:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



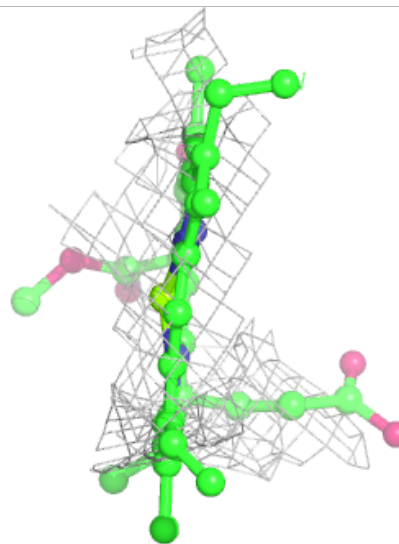
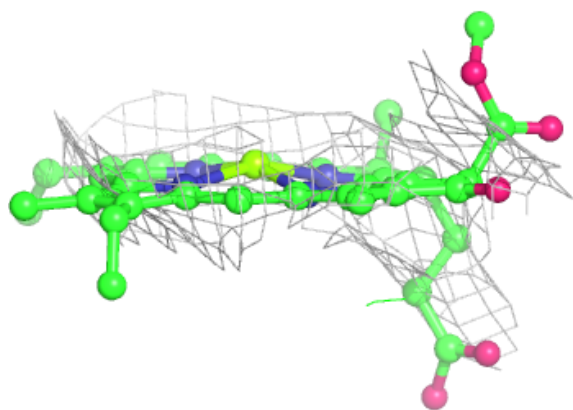
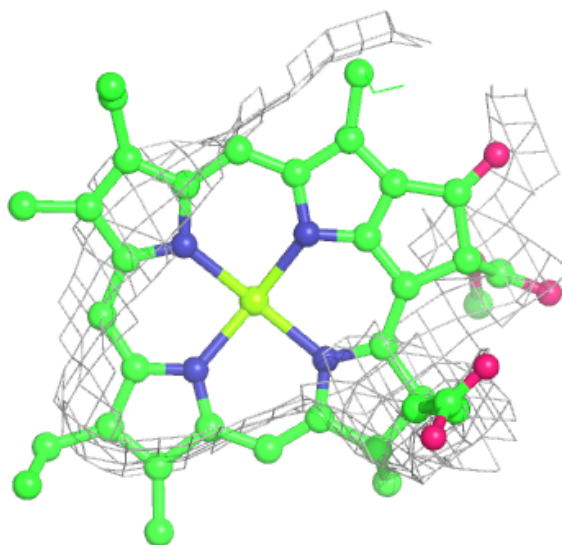
**Electron density around CLA B1 812:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



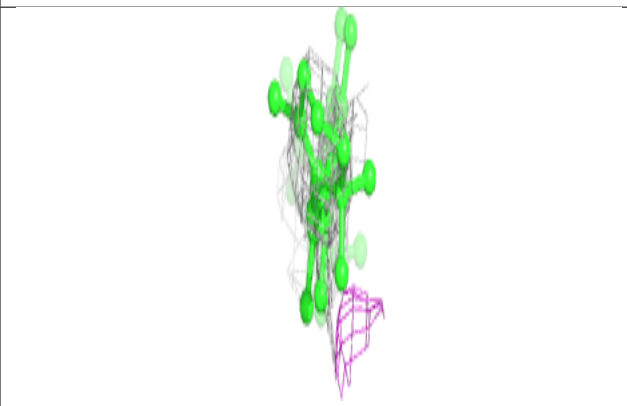
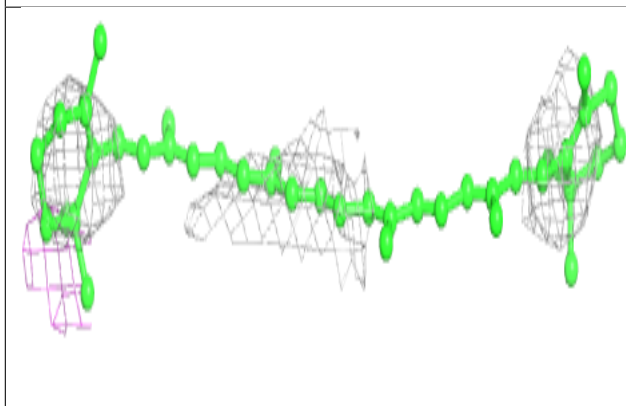
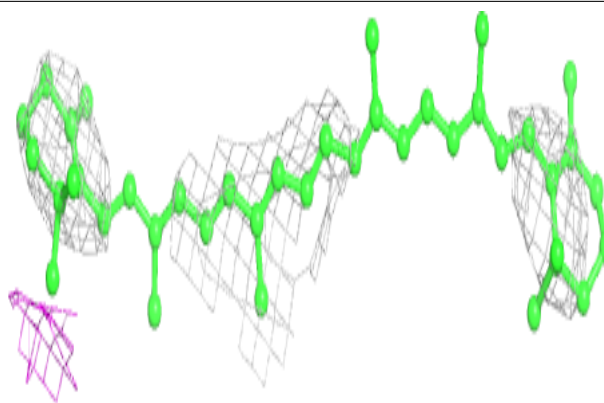
**Electron density around CLA A1 814:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

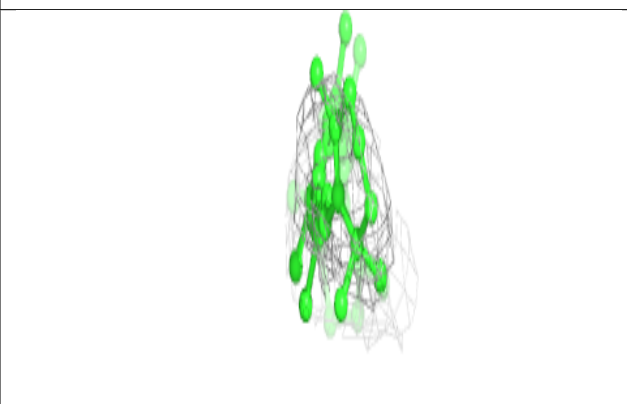
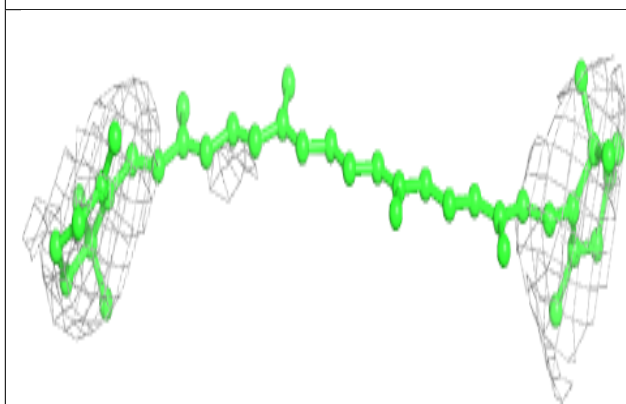
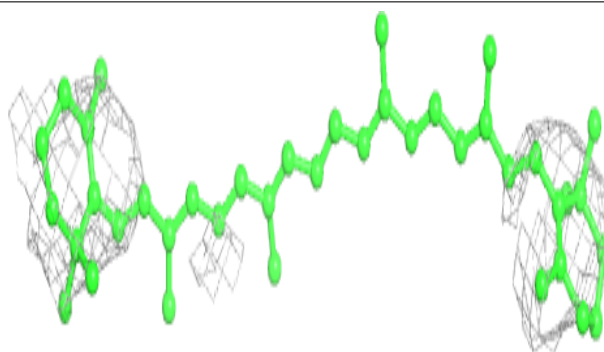


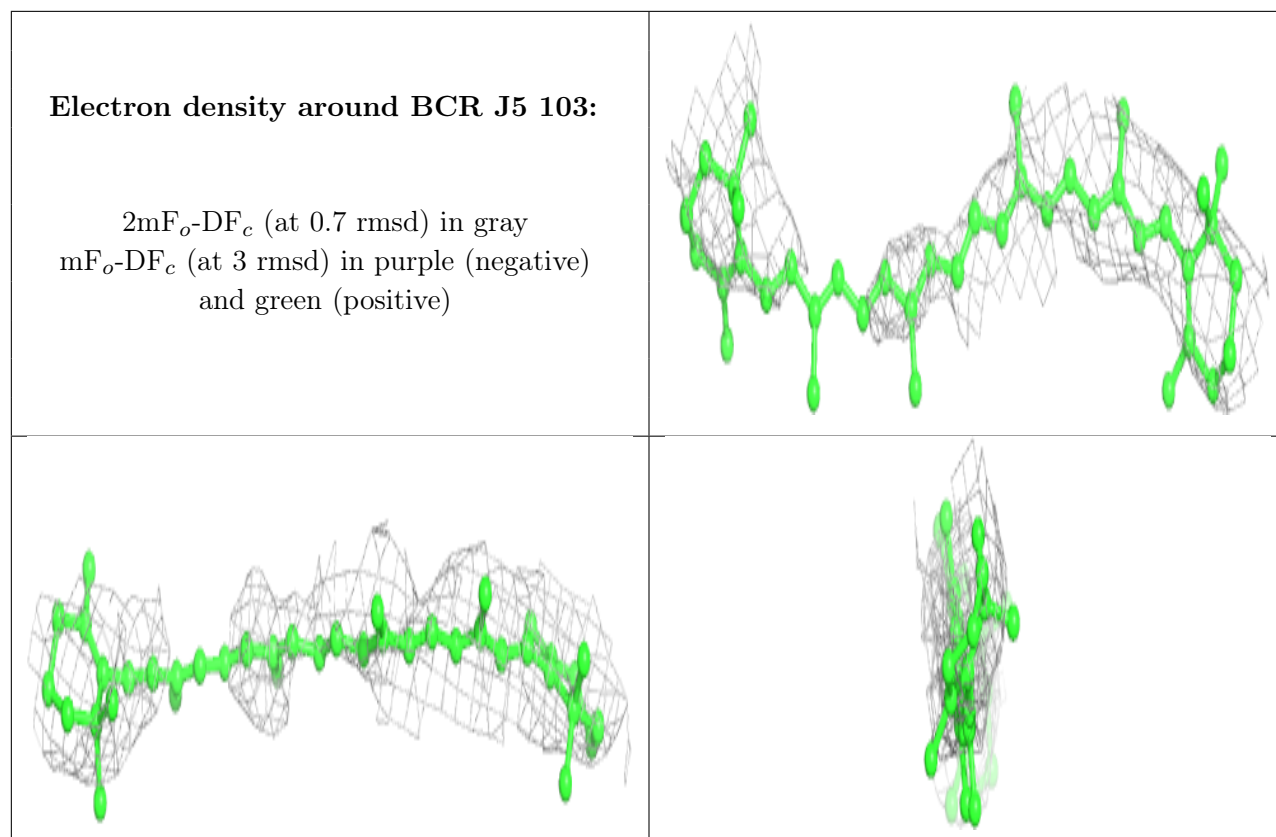
**Electron density around BCR A3 850:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR A6 1645:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

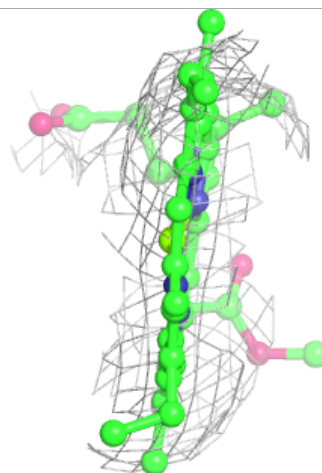
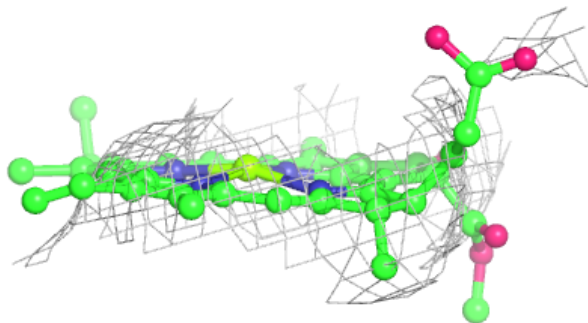
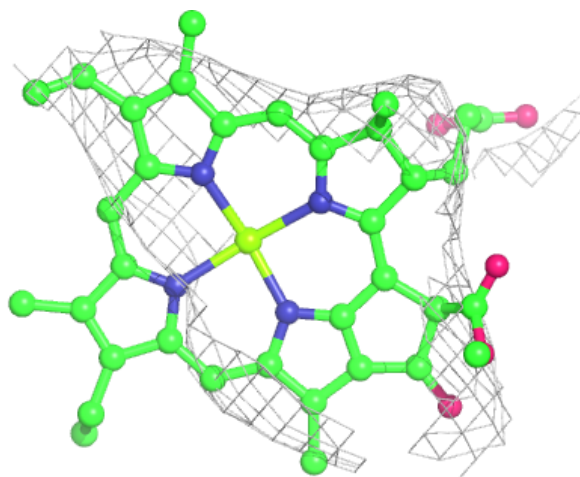


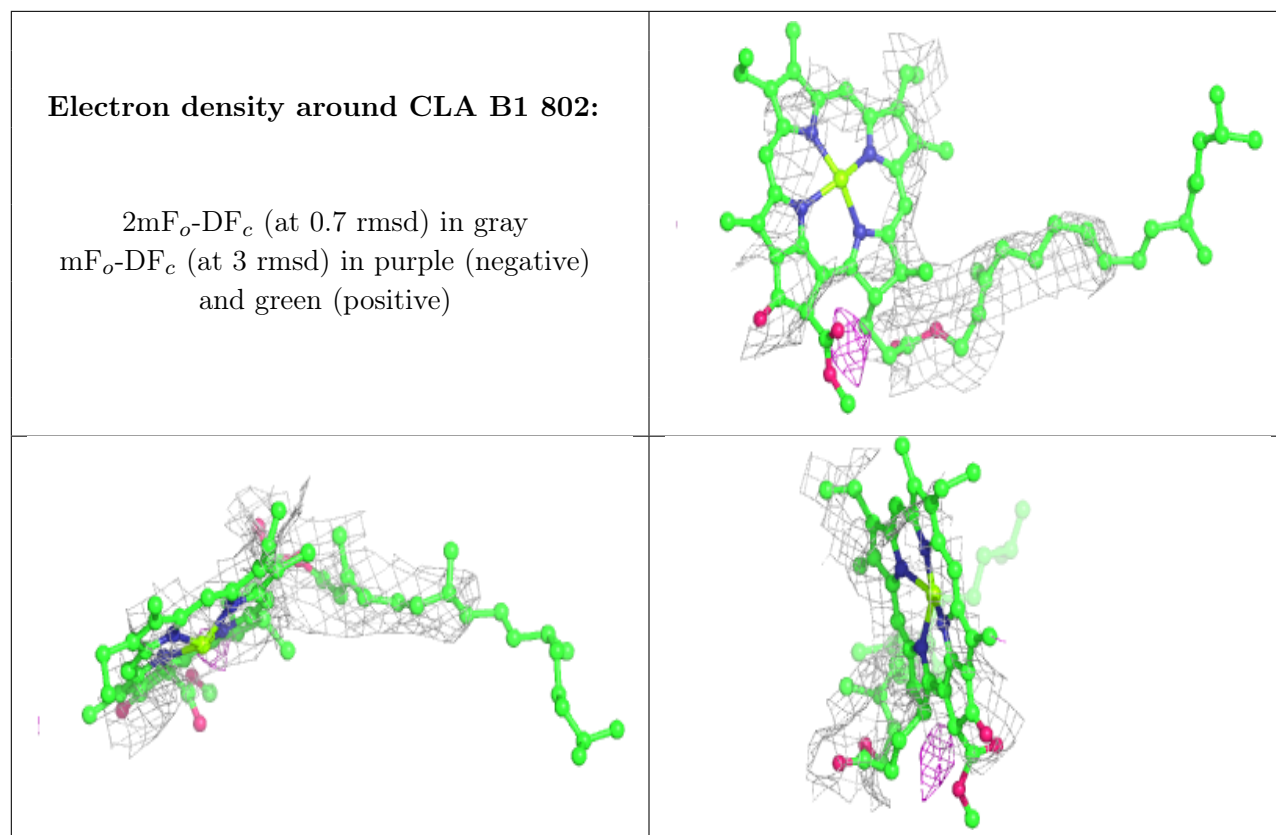




**Electron density around CLA J5 101:**

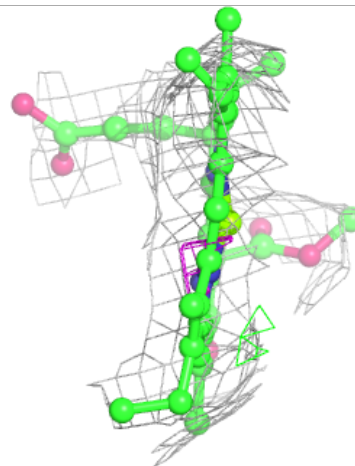
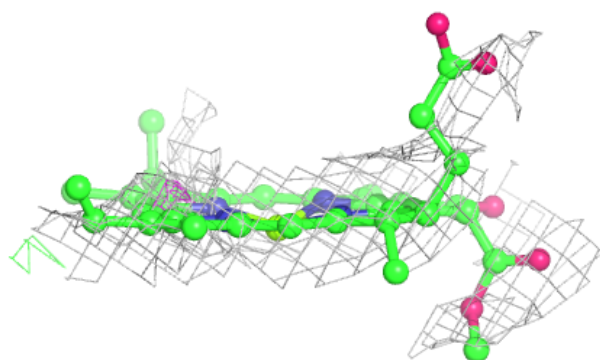
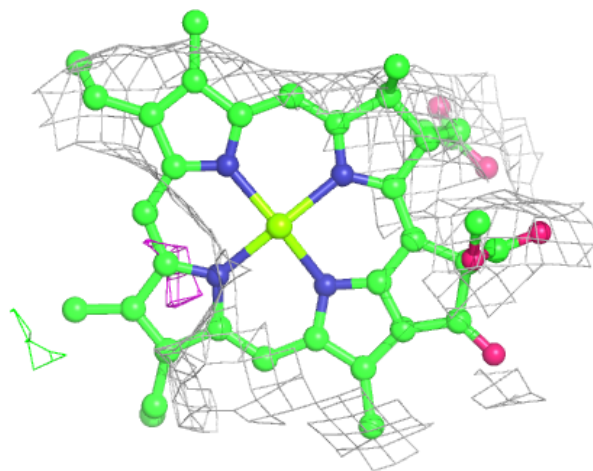
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





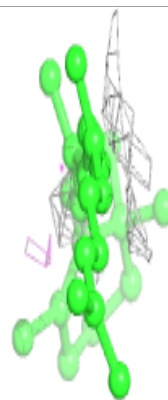
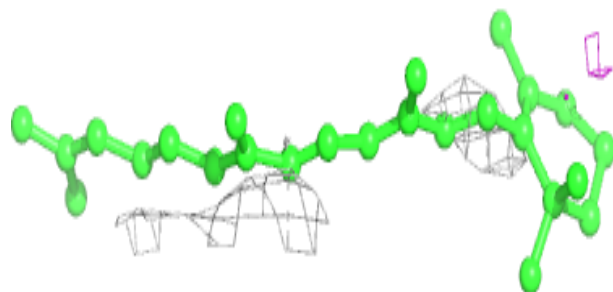
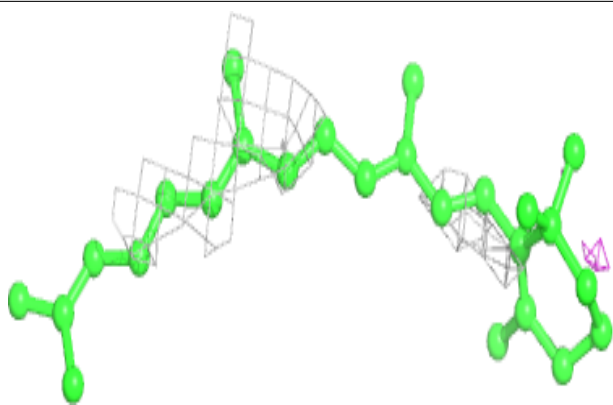
**Electron density around CLA A4 814:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

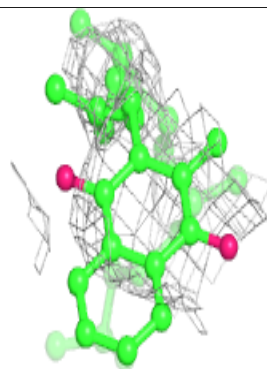
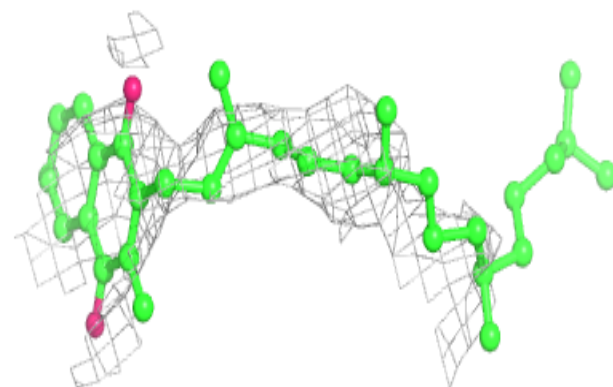
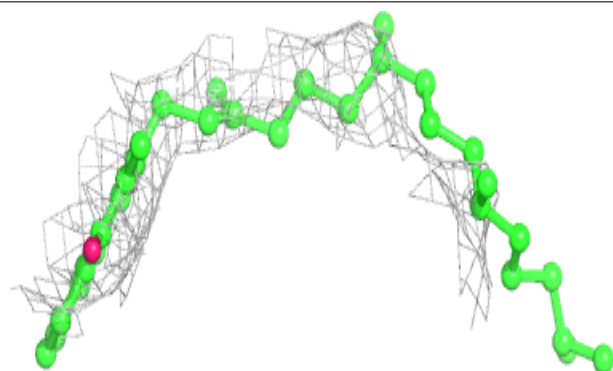


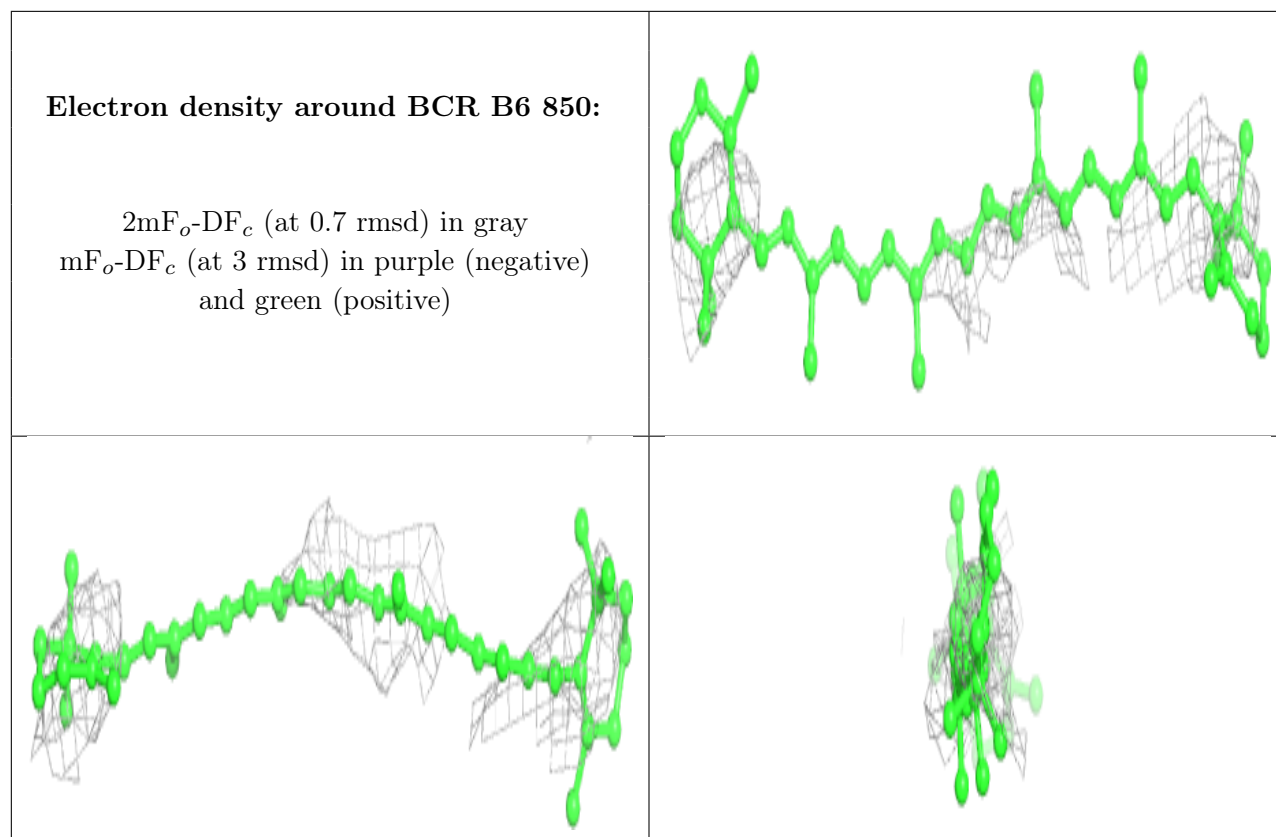
**Electron density around BCR B4 848:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around PQN B3 1844:**

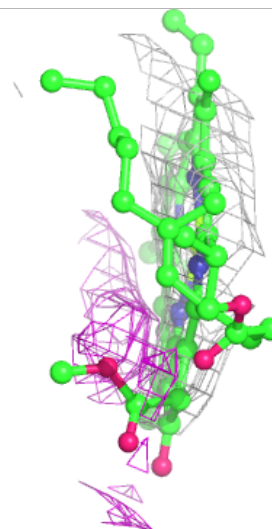
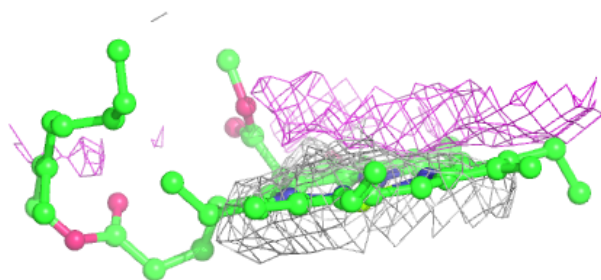
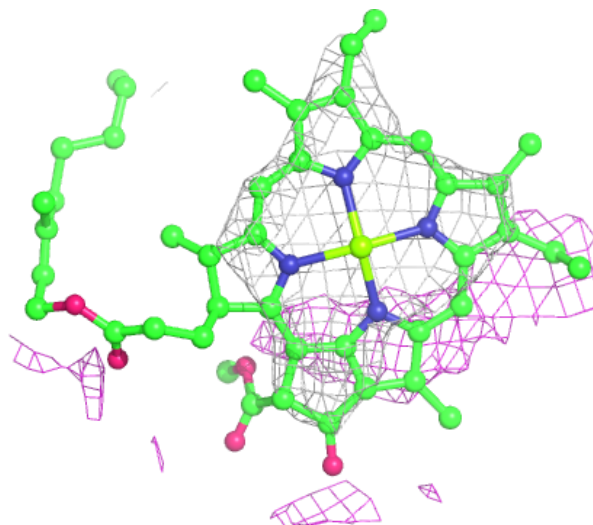
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





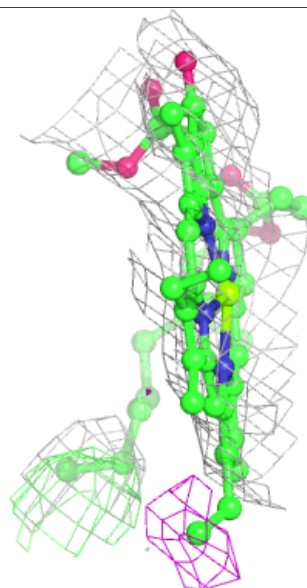
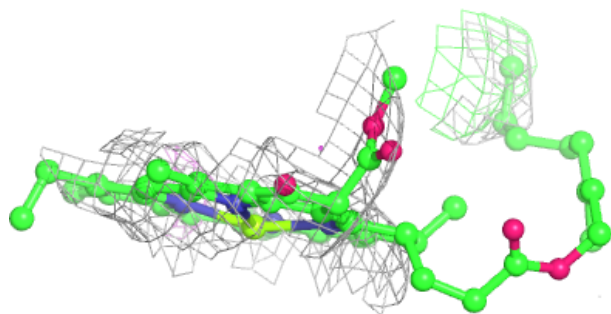
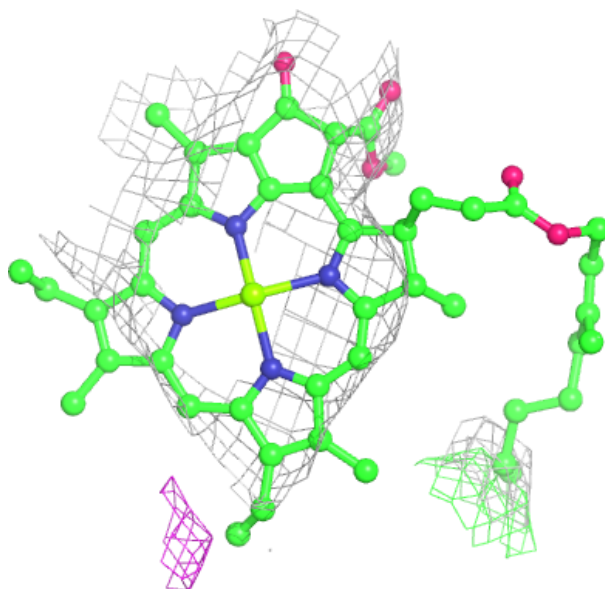
**Electron density around CLA B3 1826:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



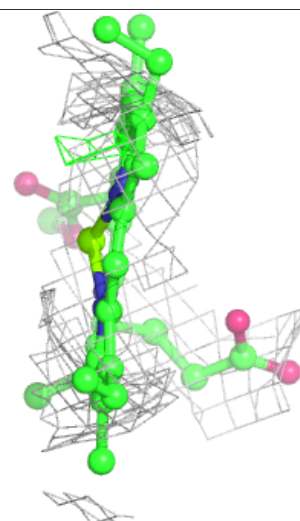
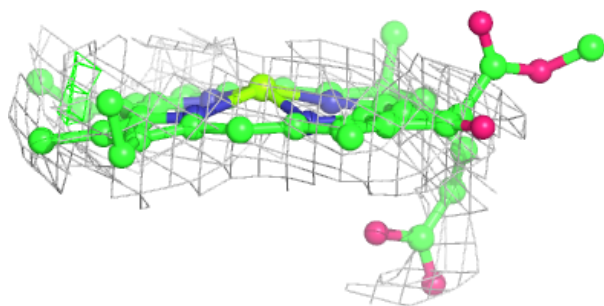
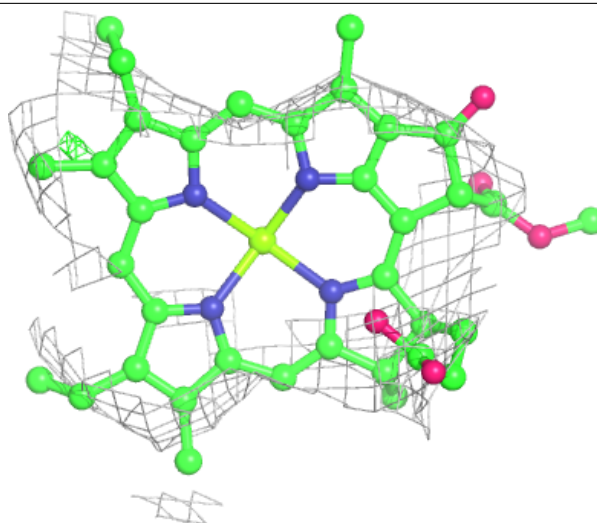
**Electron density around CLA B1 825:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A5 810:**

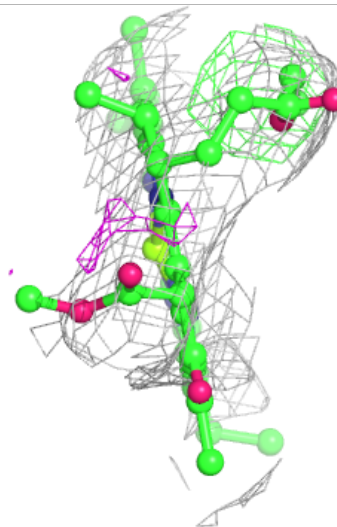
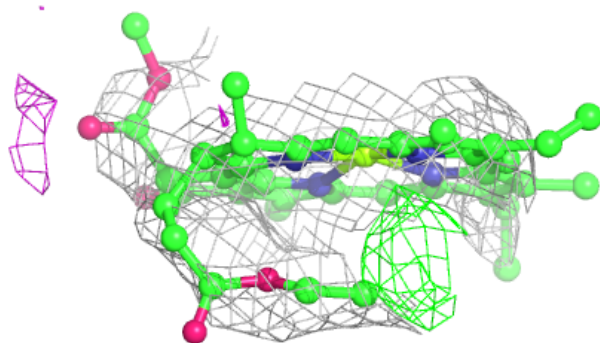
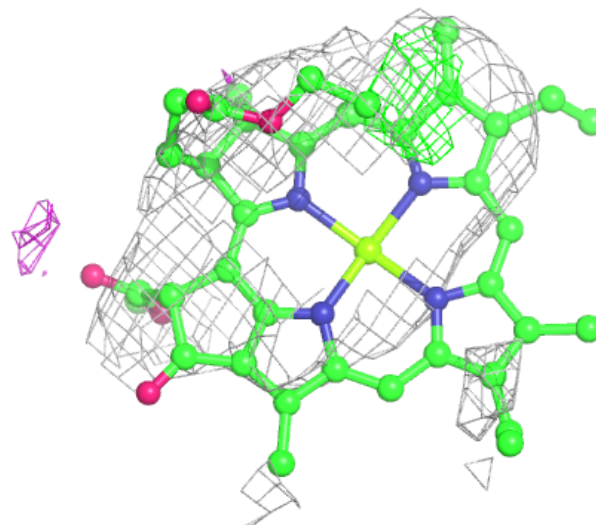
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





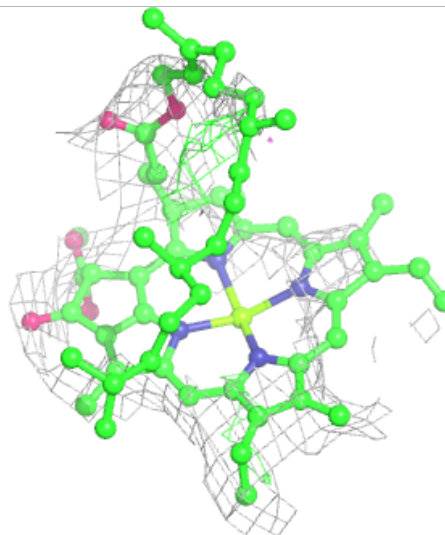
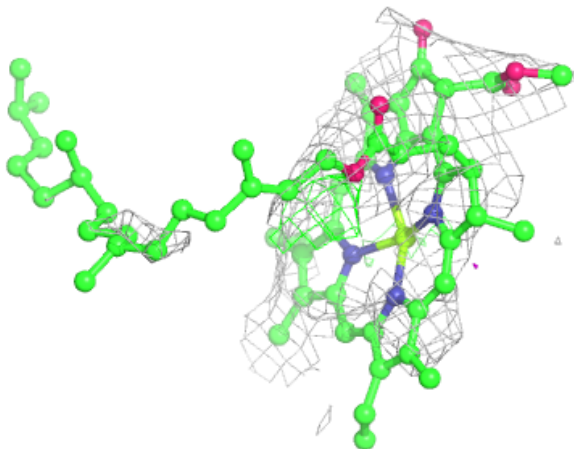
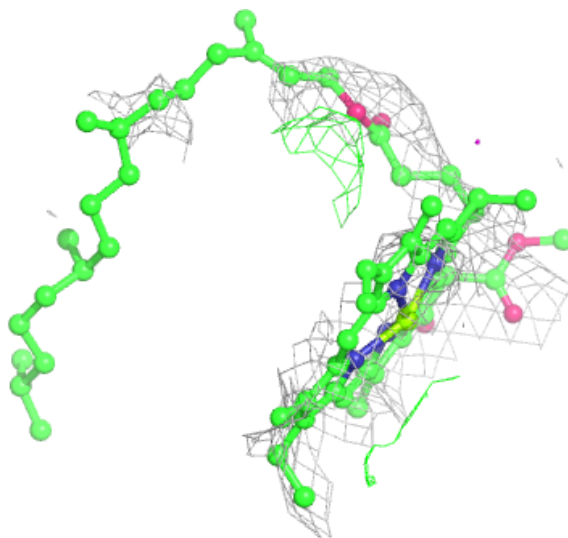
**Electron density around CLA B5 1822:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



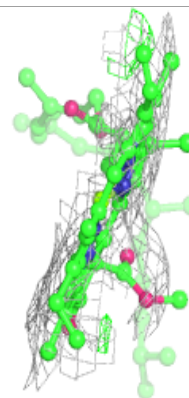
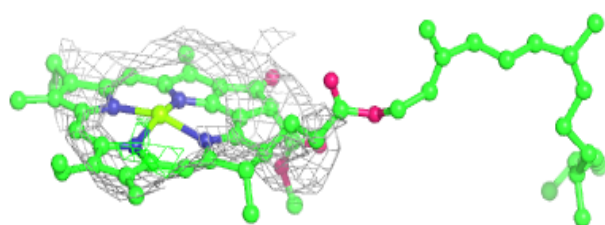
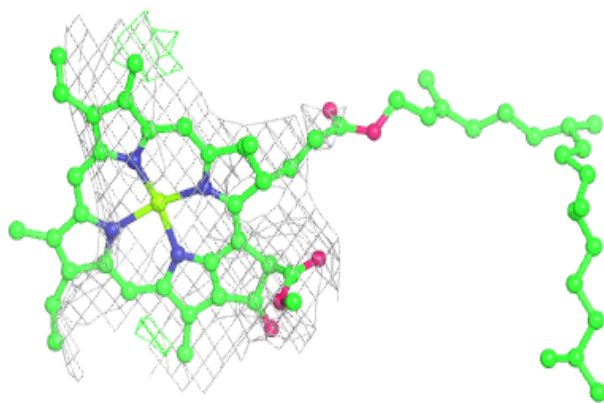
**Electron density around CLA B1 820:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

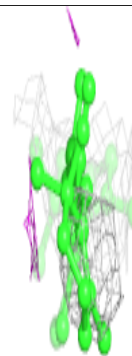
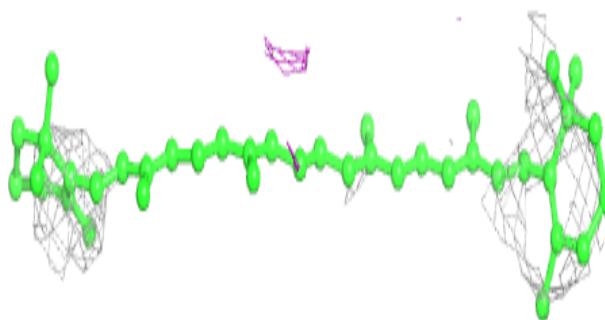
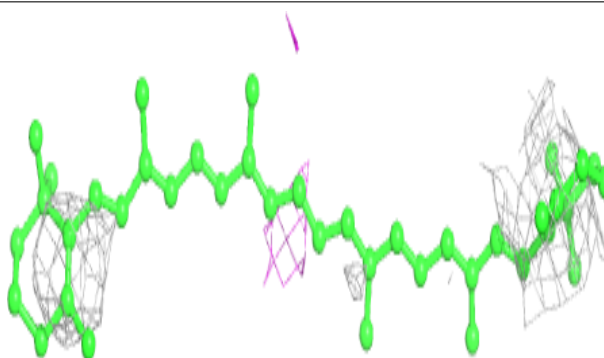


**Electron density around CLA B1 827:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

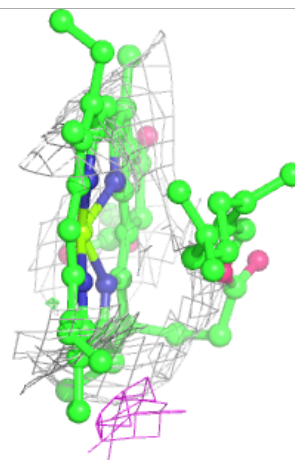
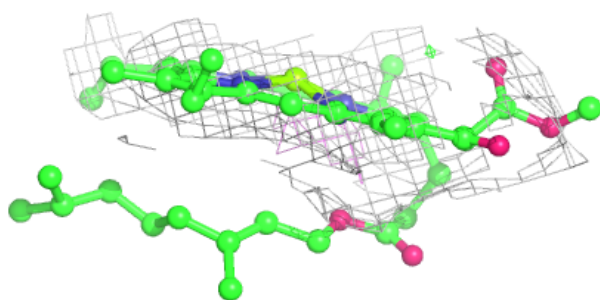
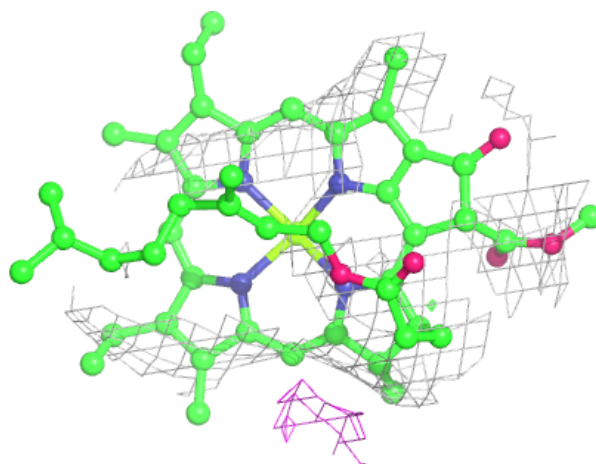
**Electron density around BCR L4 208:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



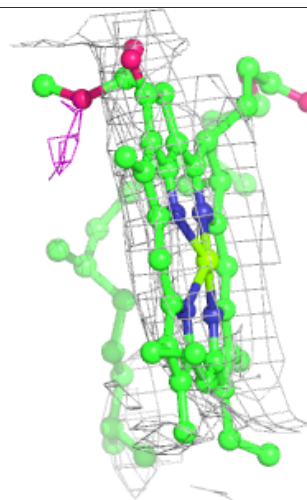
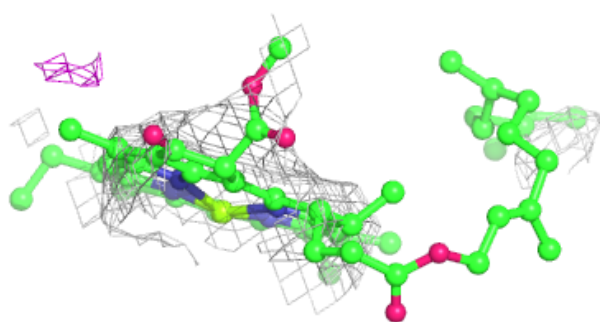
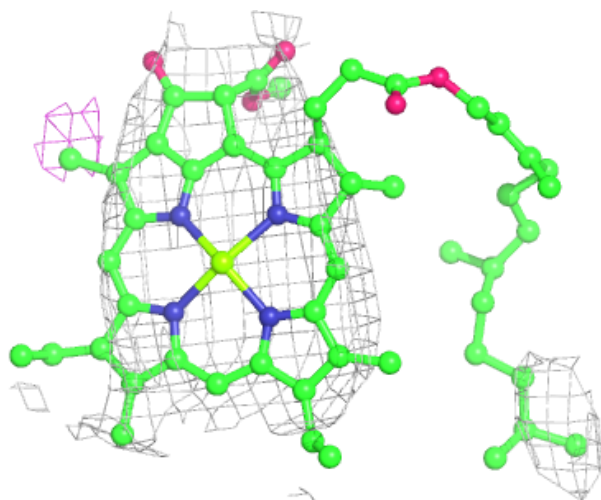
**Electron density around CLA B4 824:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



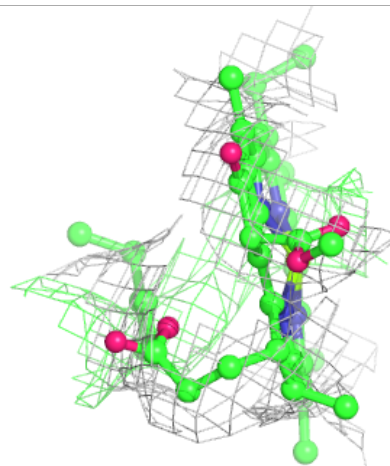
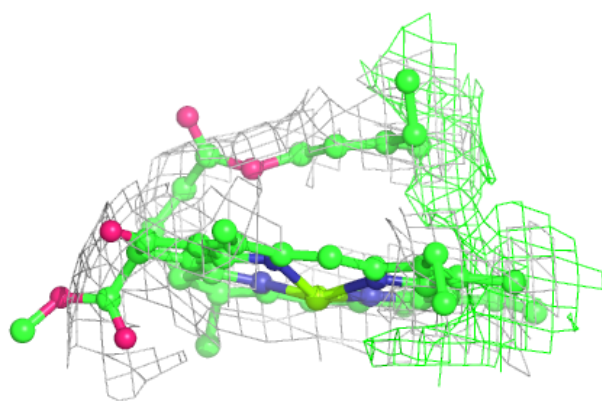
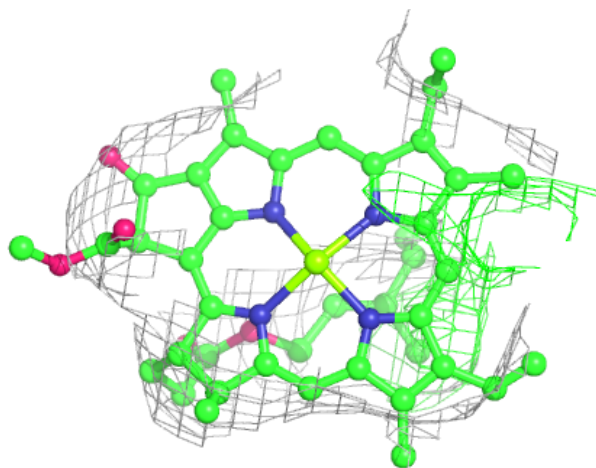
**Electron density around CLA A2 1615:**

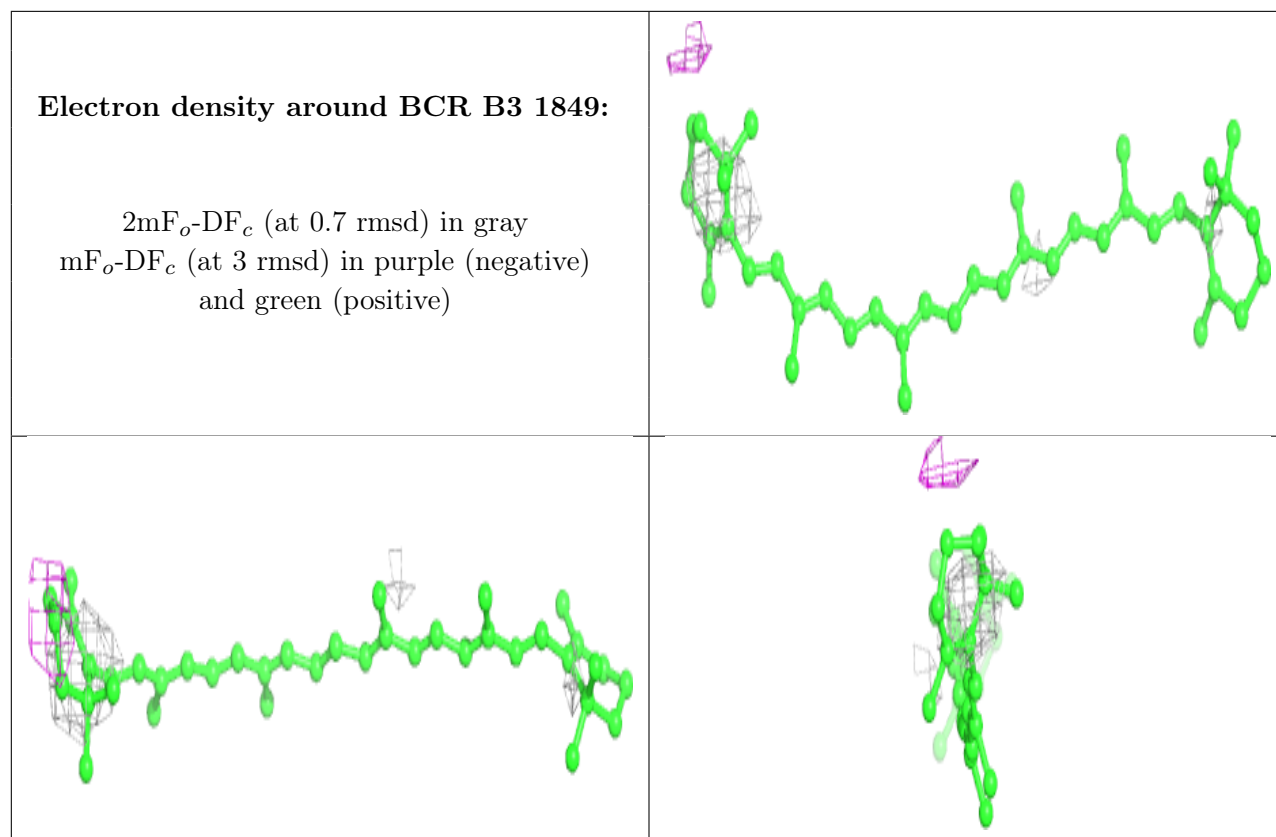
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A1 822:**

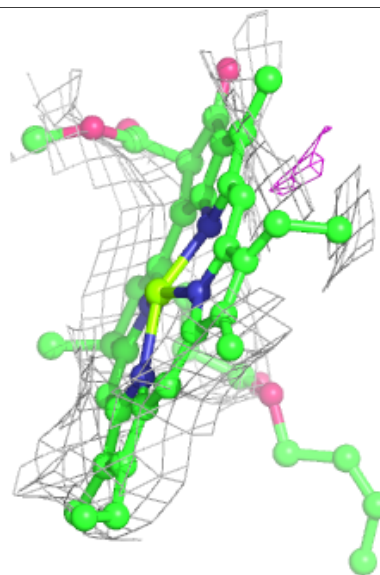
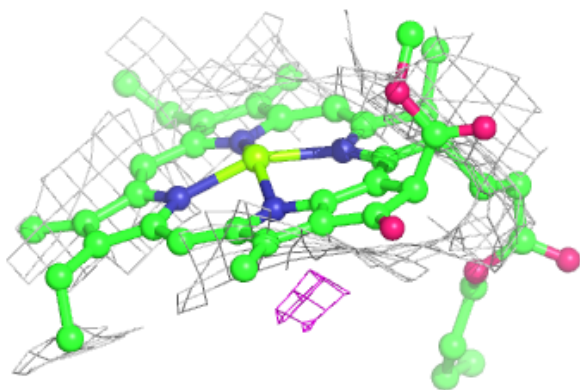
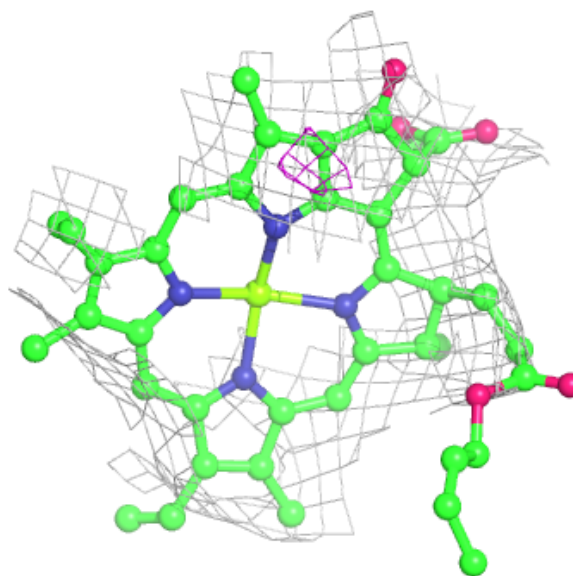
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





**Electron density around CLA A4 821:**

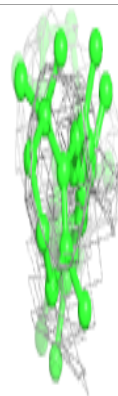
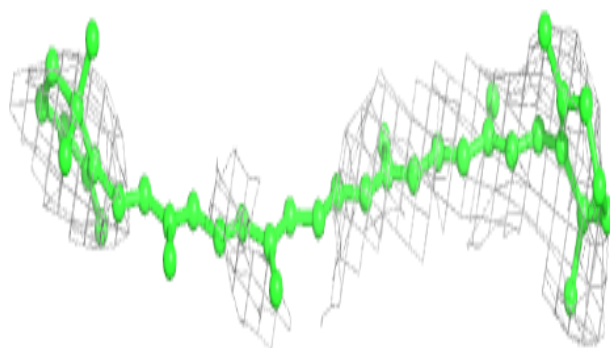
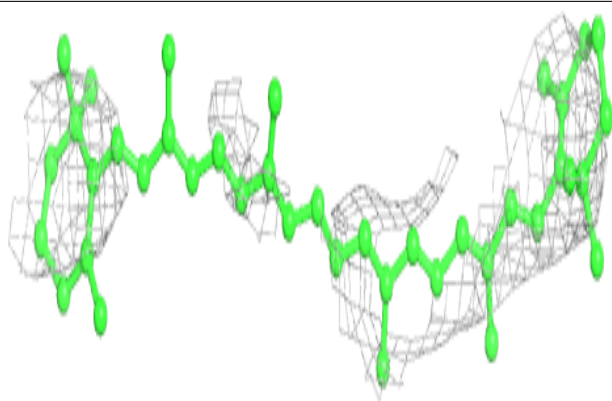
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





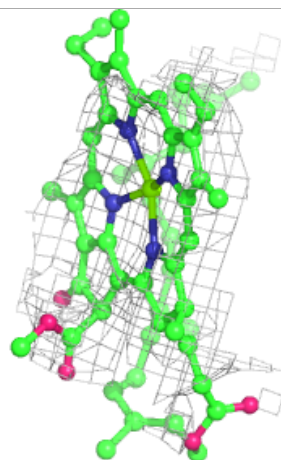
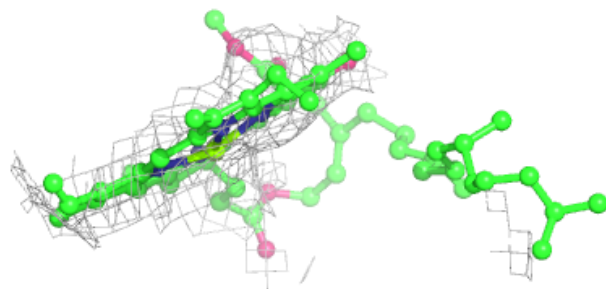
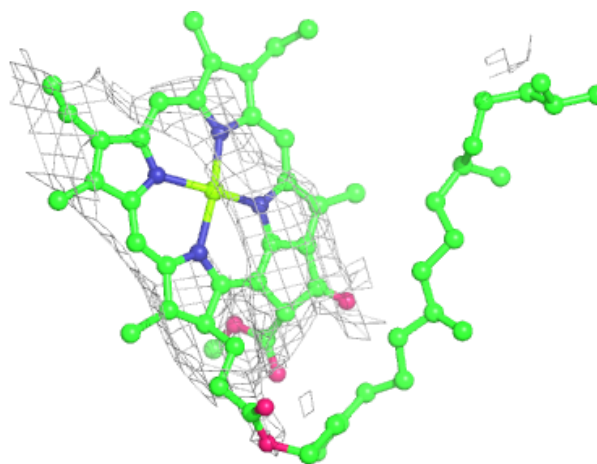
**Electron density around BCR A2 1649:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



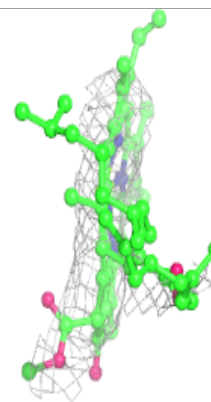
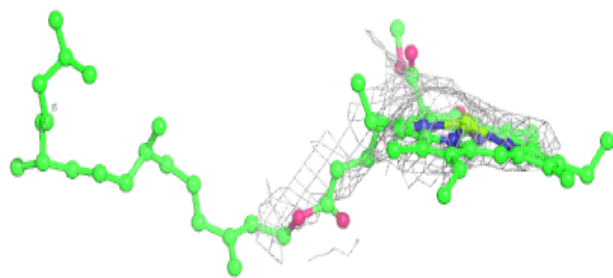
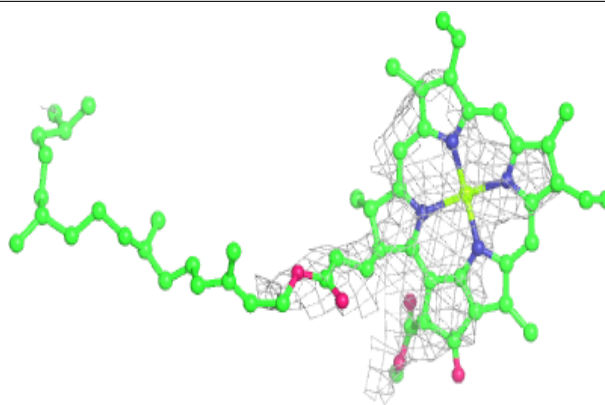
**Electron density around CLA A4 824:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

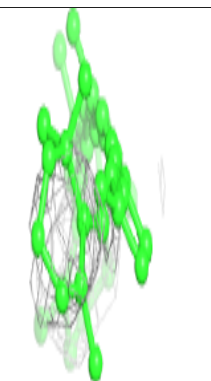
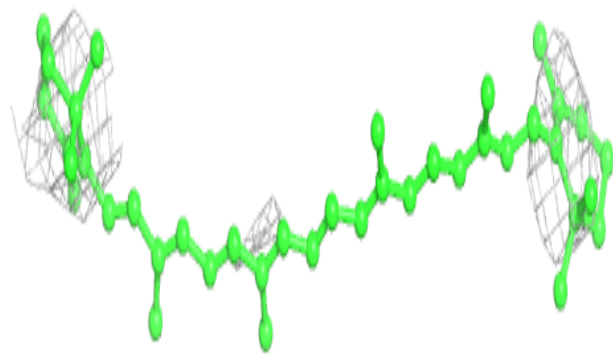
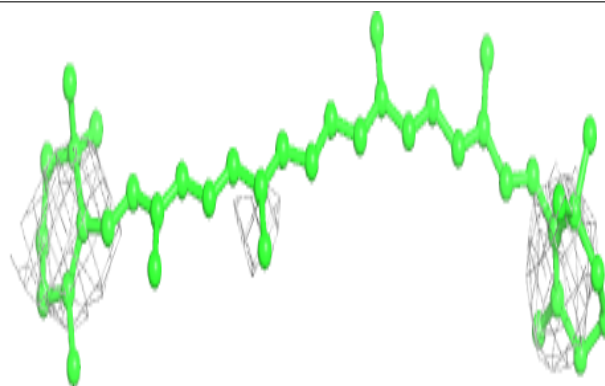


**Electron density around CLA A4 825:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

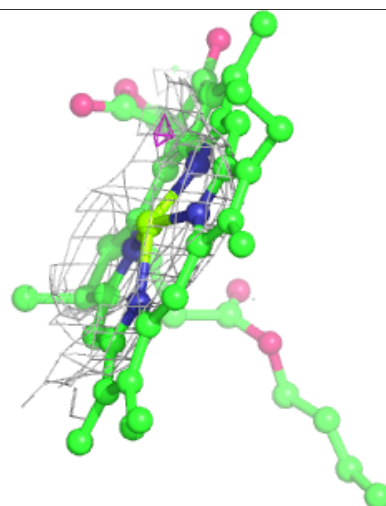
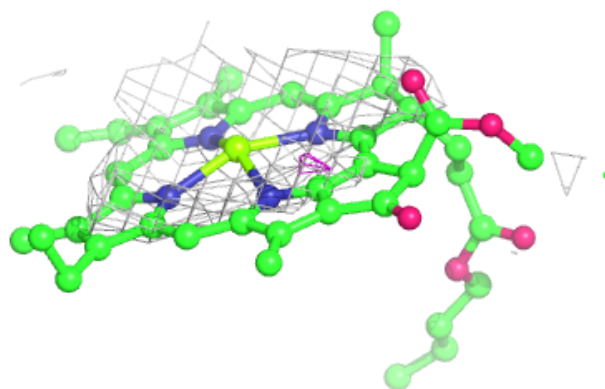
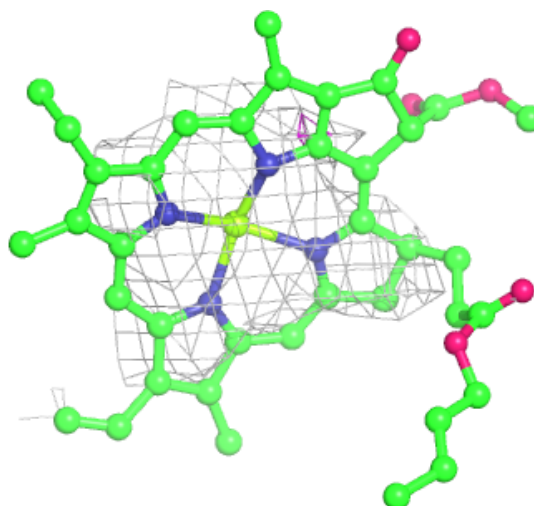
**Electron density around BCR M6 1202:**

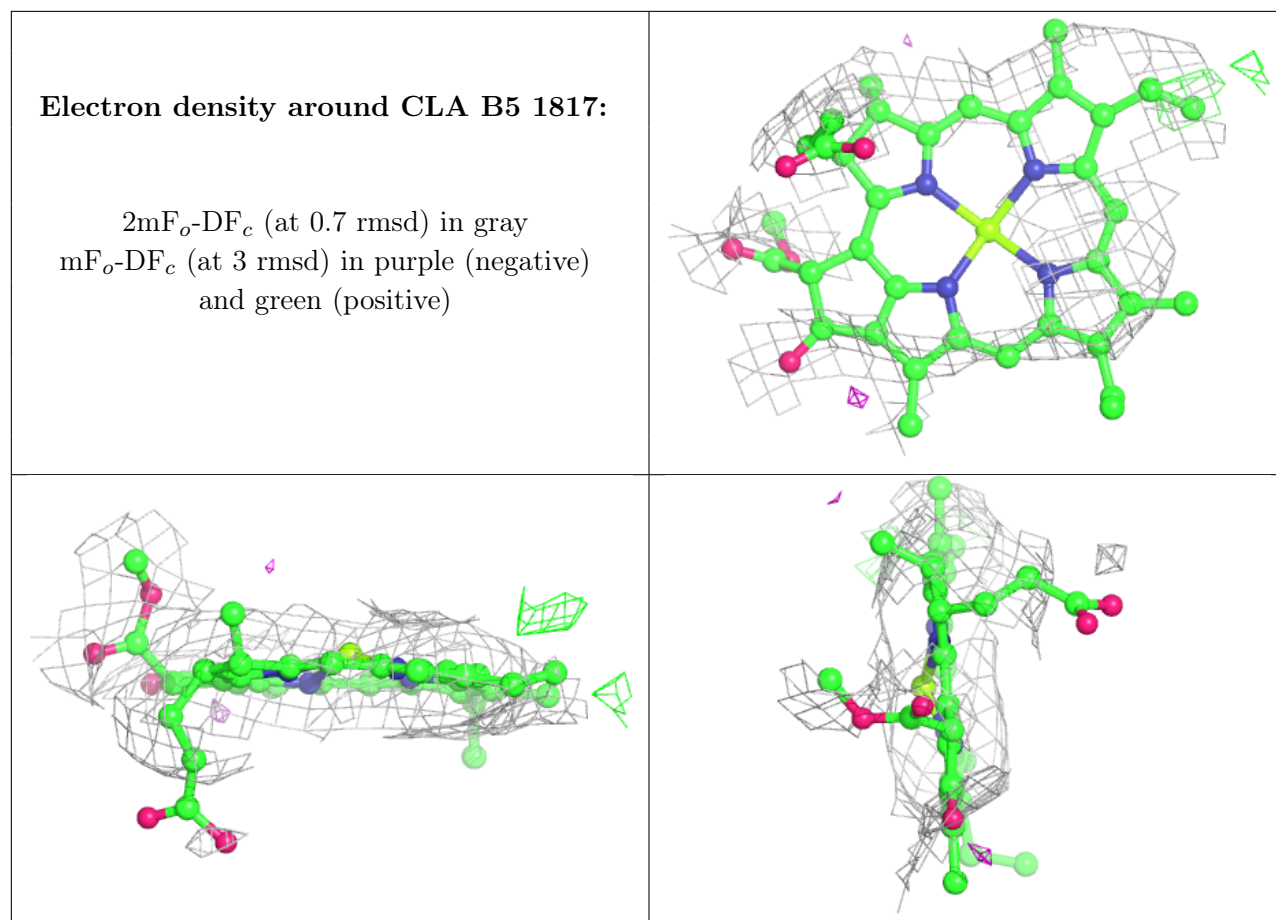
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A5 816:**

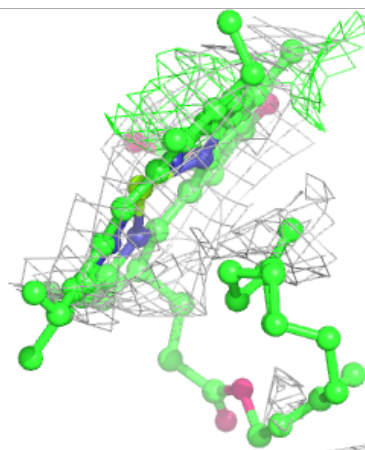
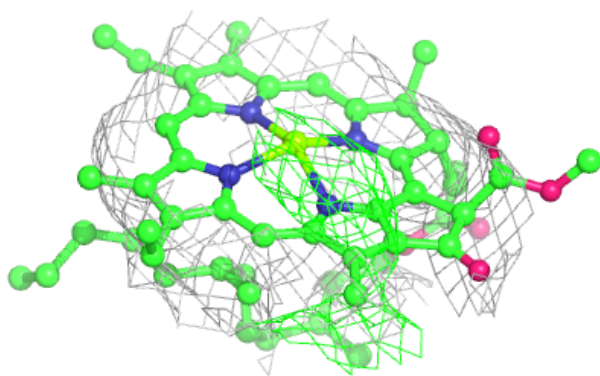
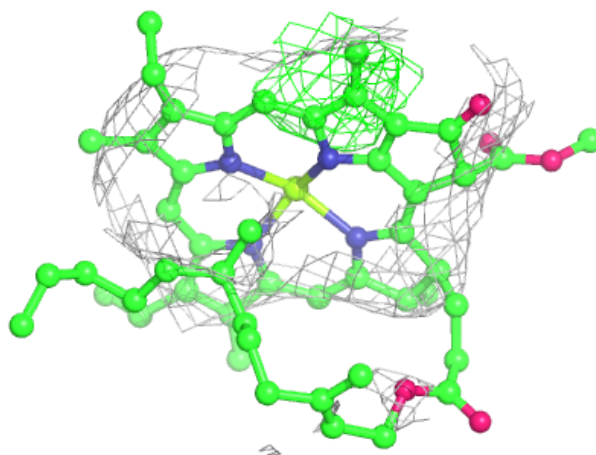
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





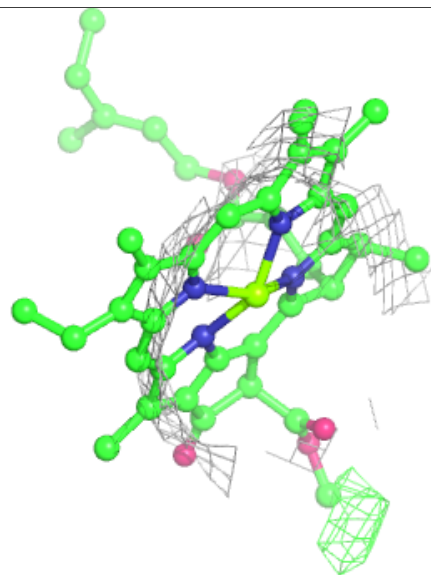
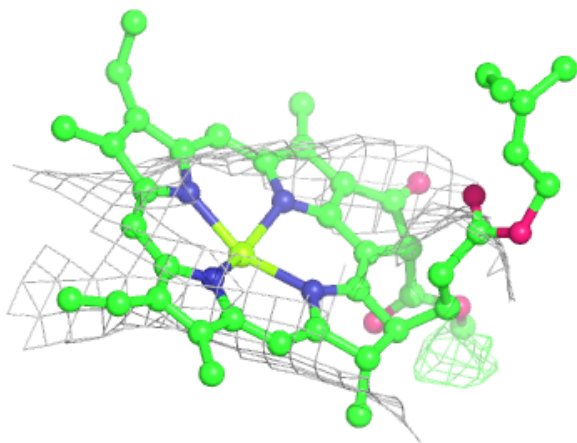
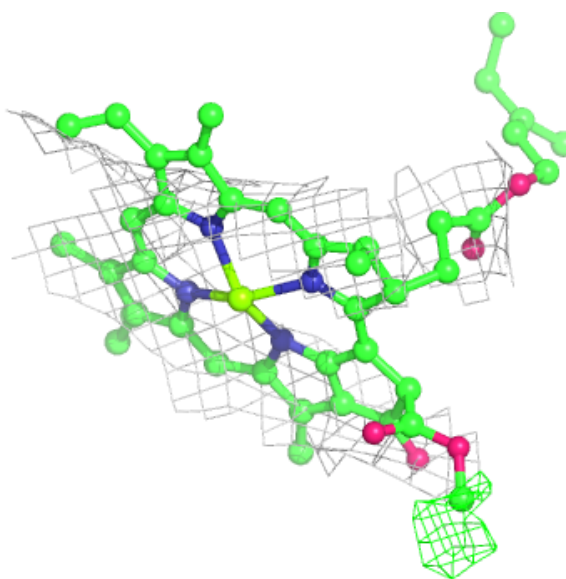
**Electron density around CLA B5 1819:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



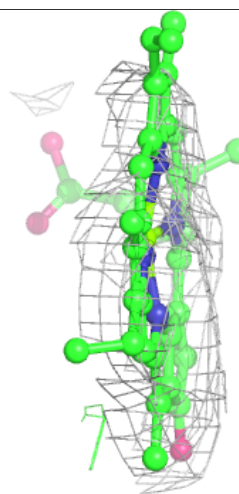
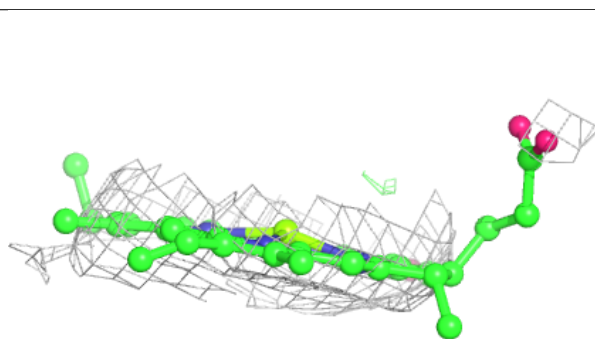
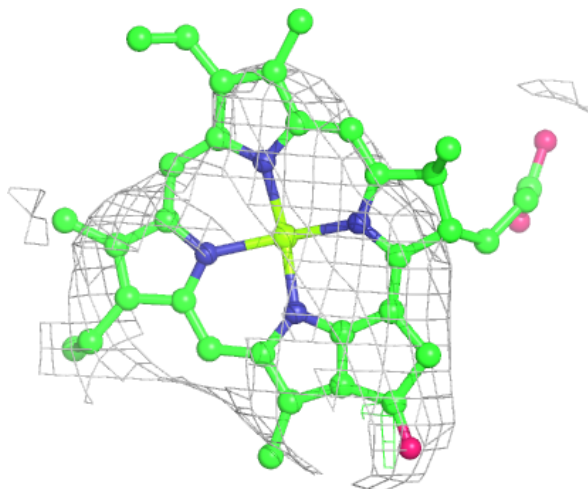
**Electron density around CLA A4 806:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A2 1645:**

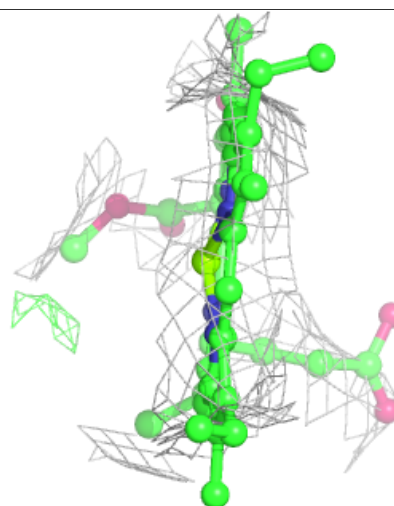
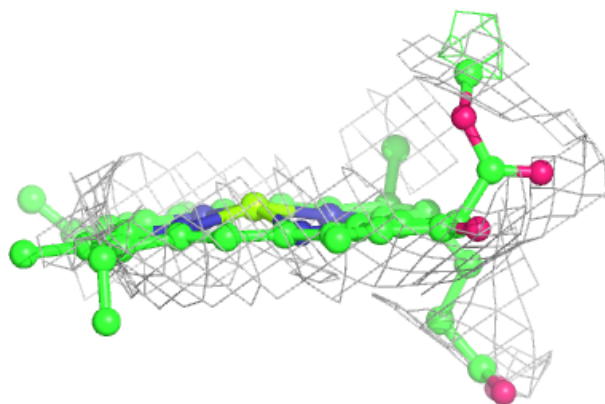
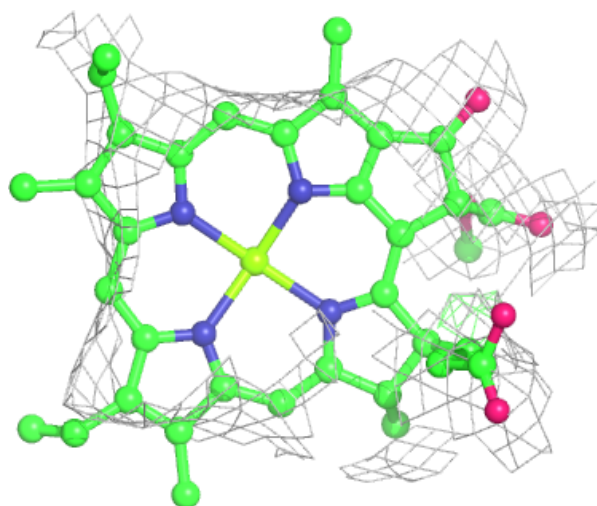
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





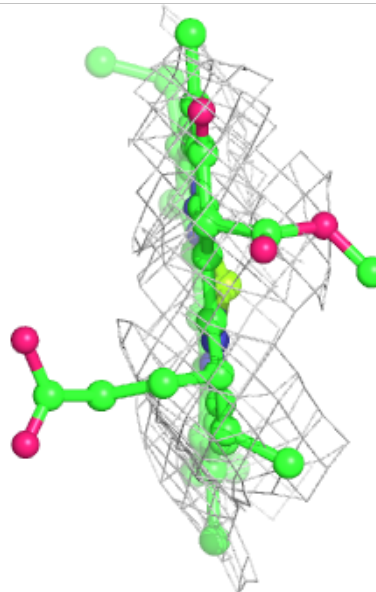
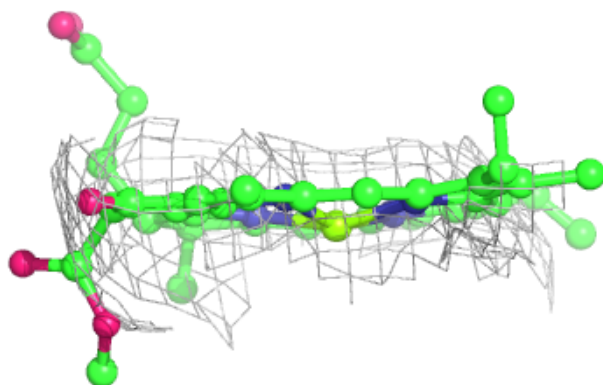
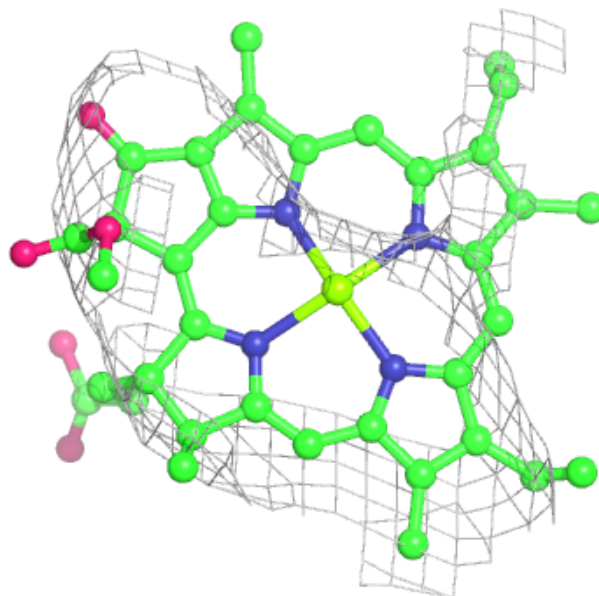
**Electron density around CLA B4 823:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



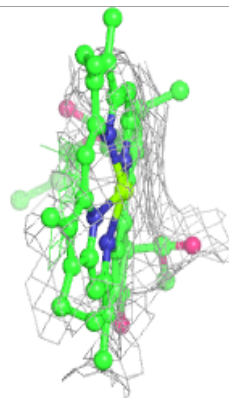
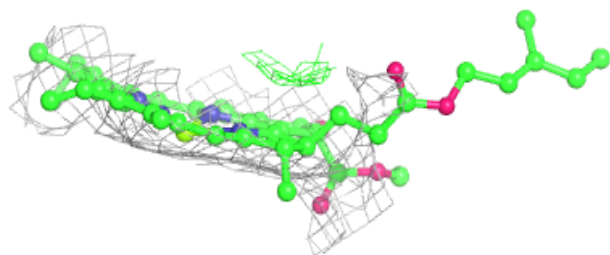
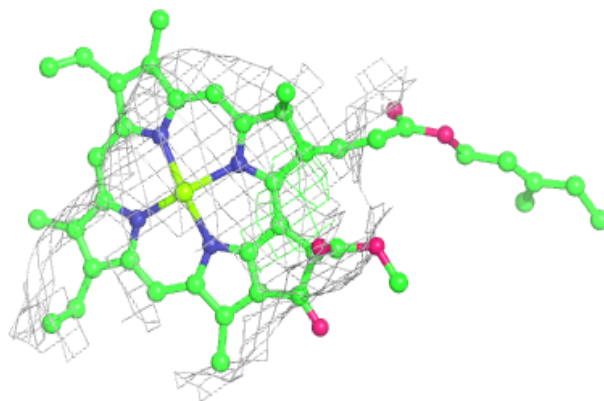
**Electron density around CLA B1 822:**

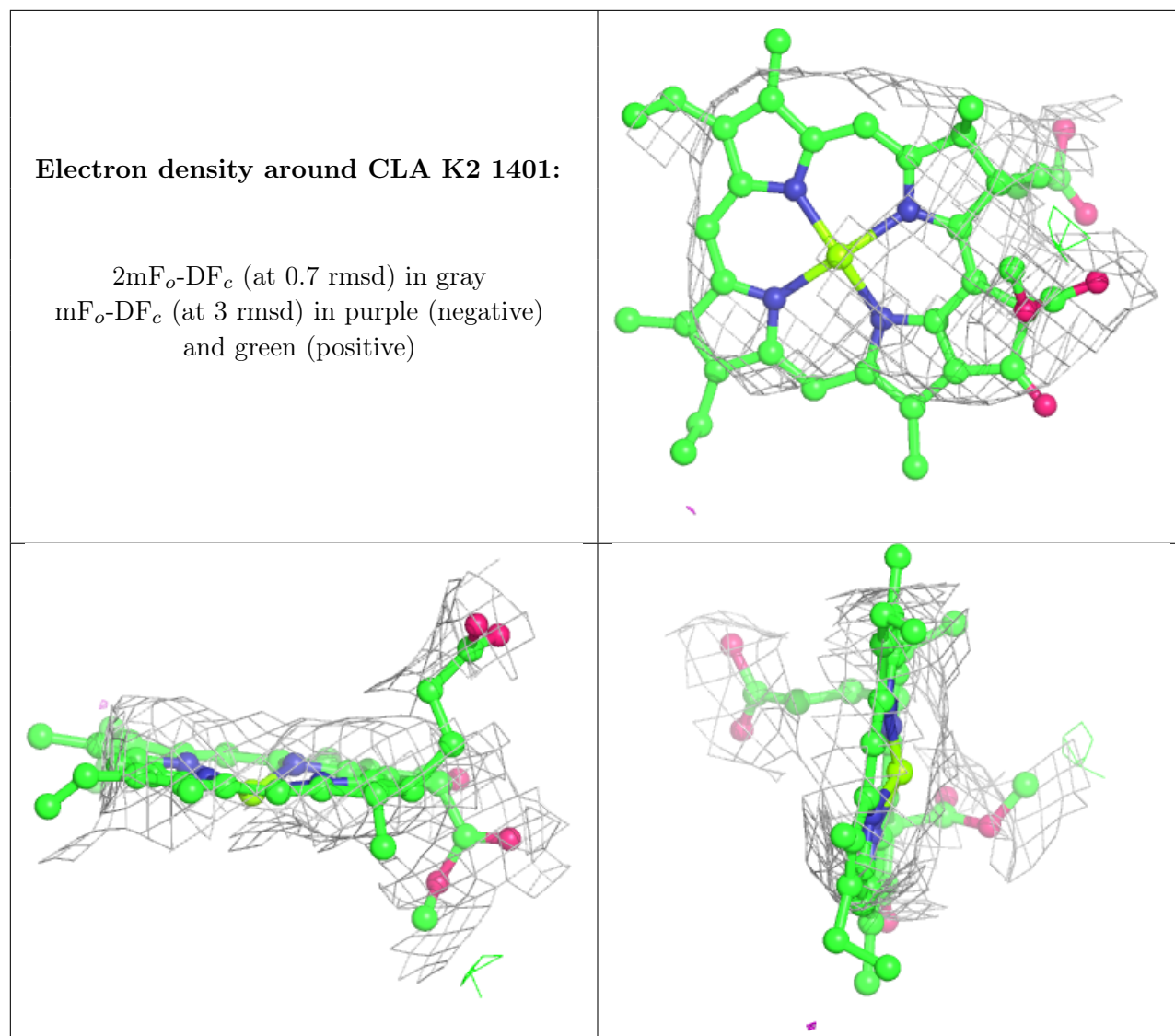
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

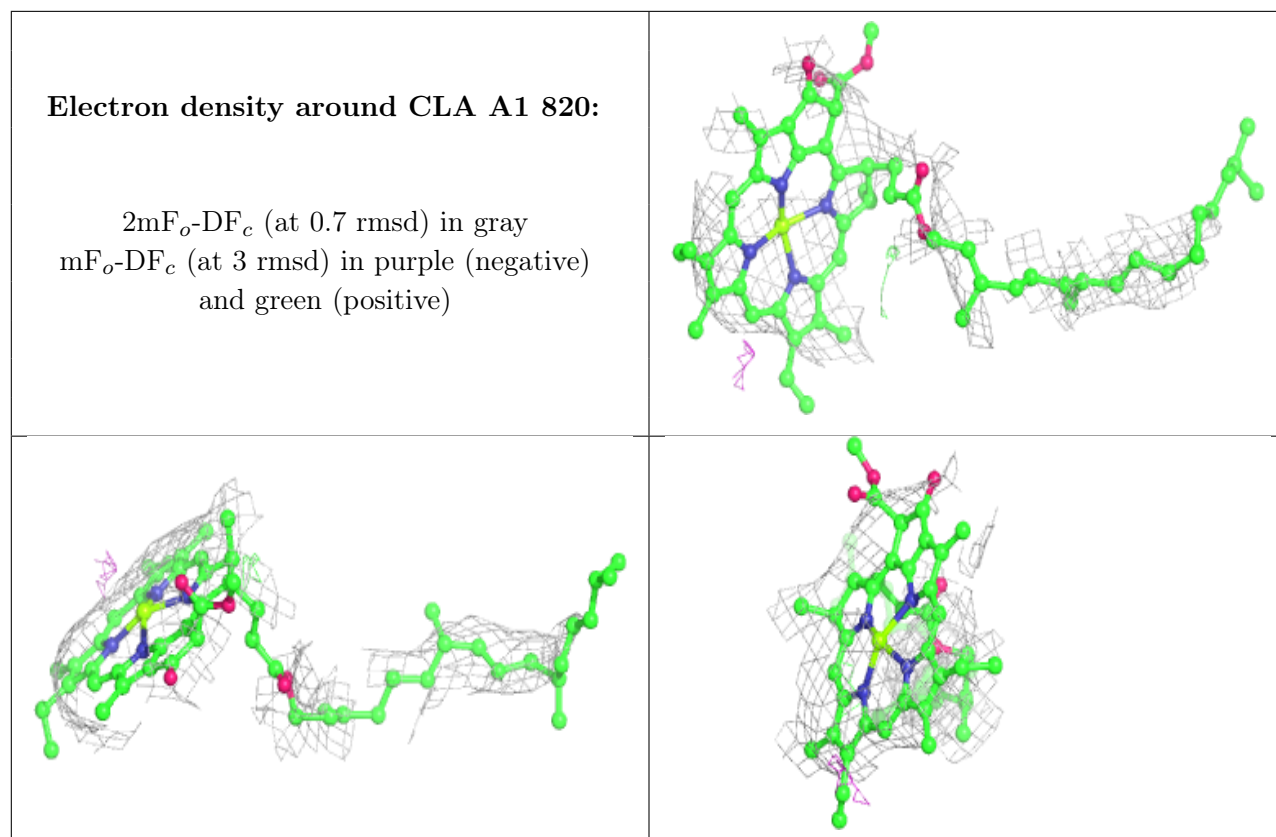


**Electron density around CLA A1 837:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

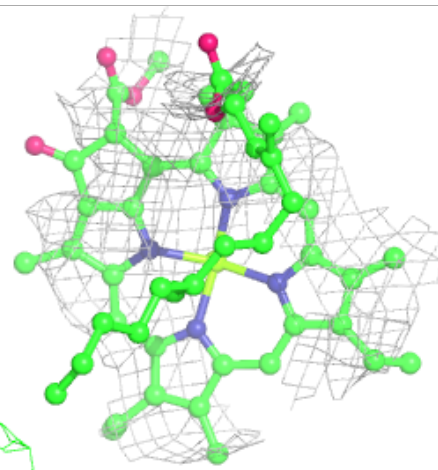
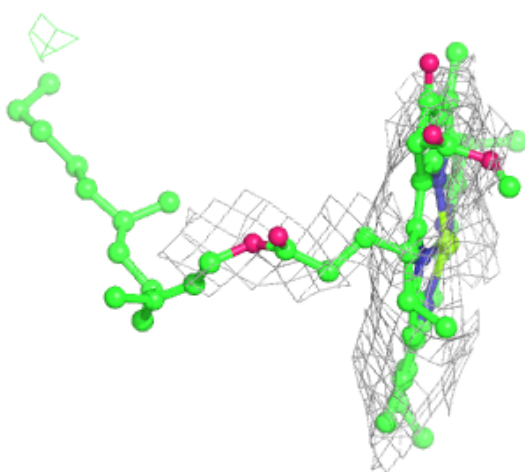
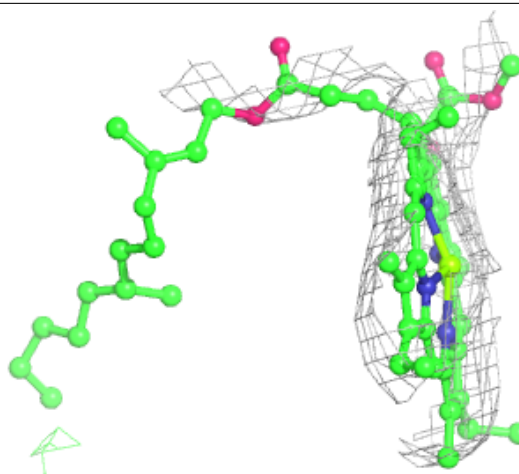






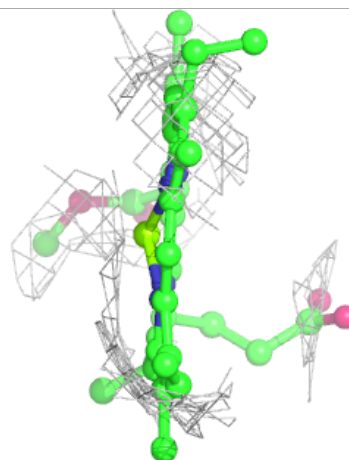
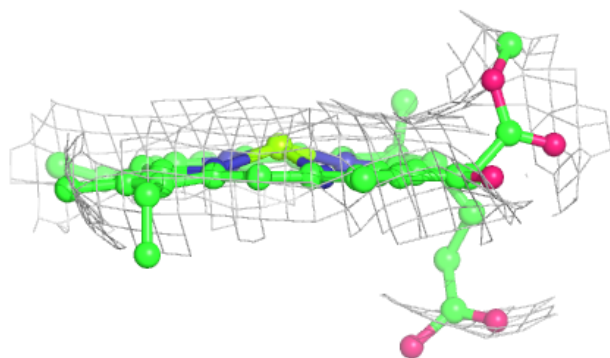
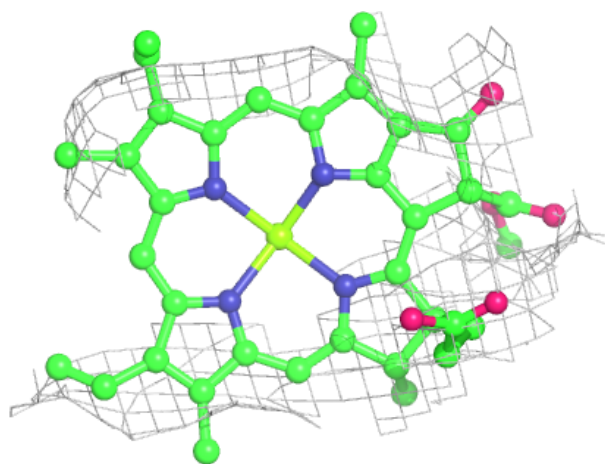
**Electron density around CLA A1 803:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



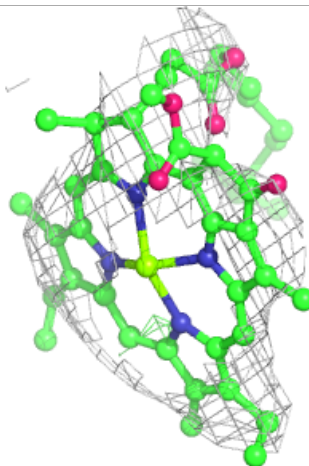
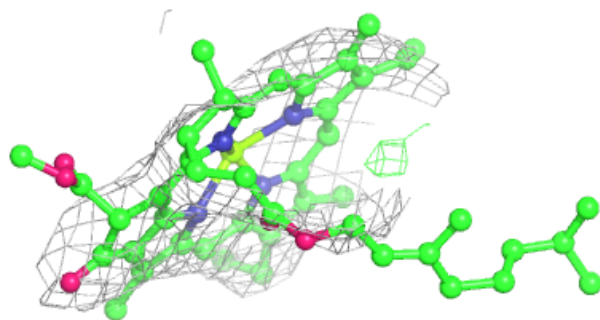
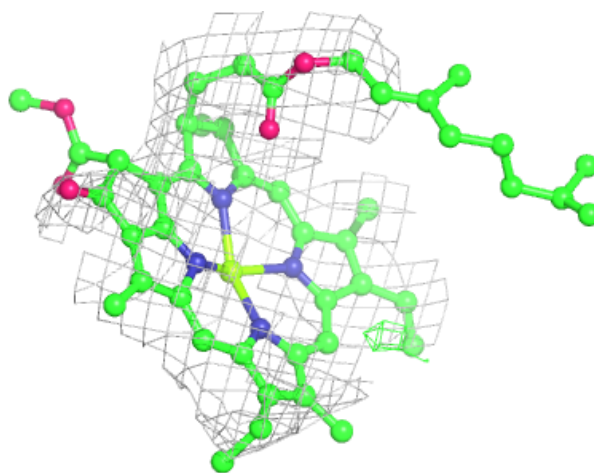
**Electron density around CLA B1 816:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

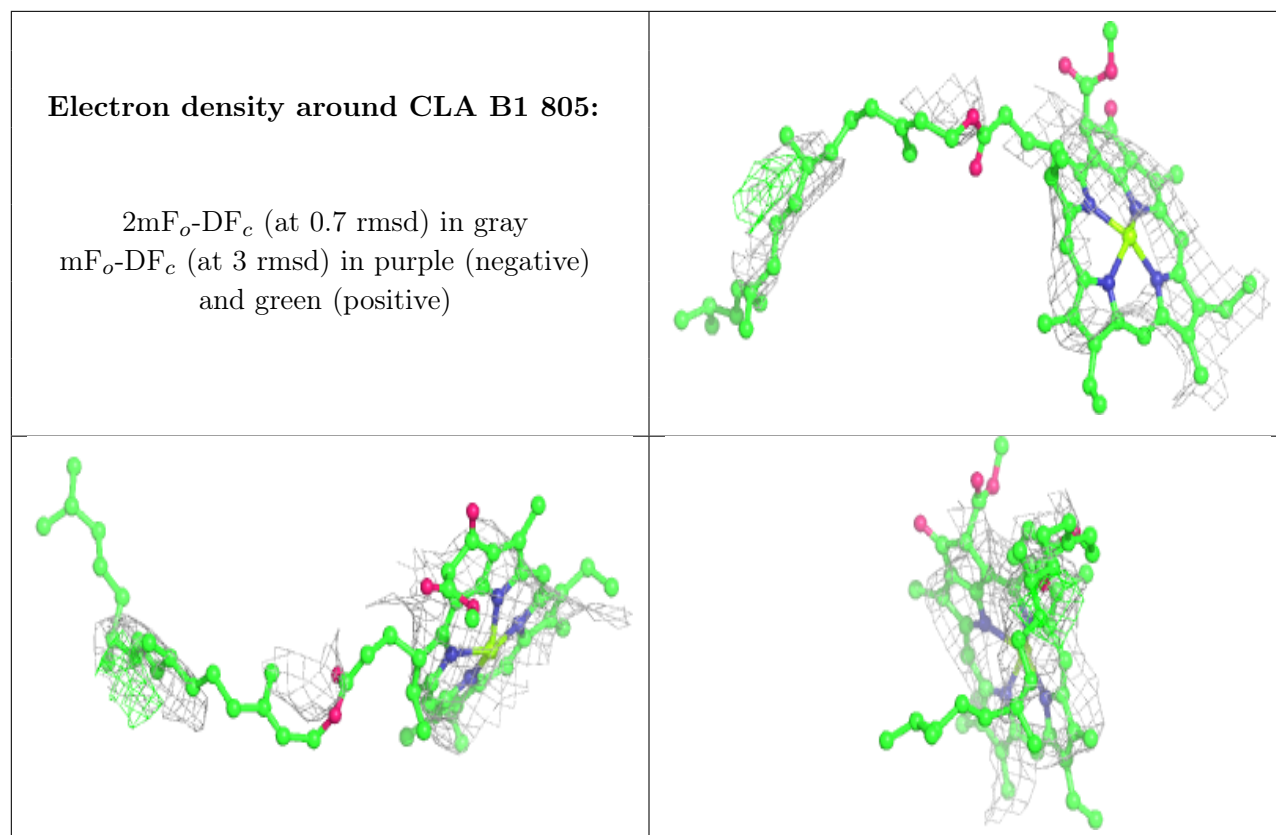


**Electron density around CLA B1 817:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

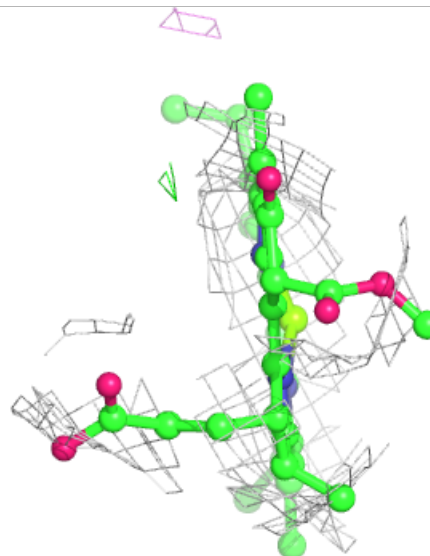
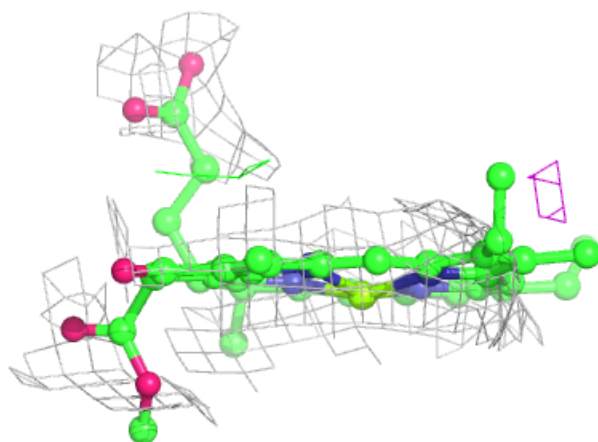
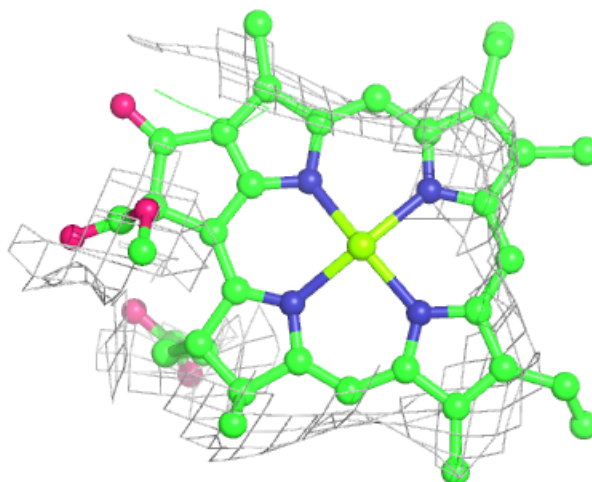


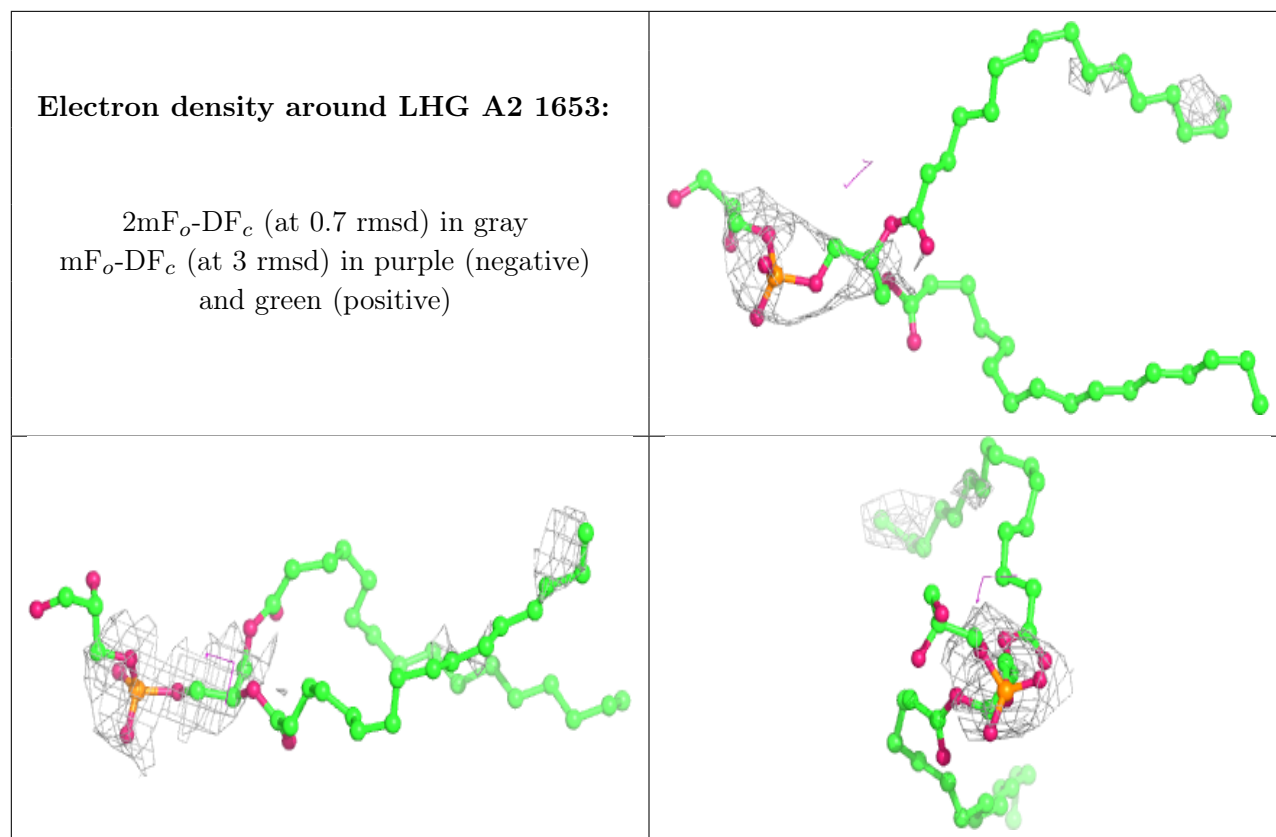




**Electron density around CLA A5 815:**

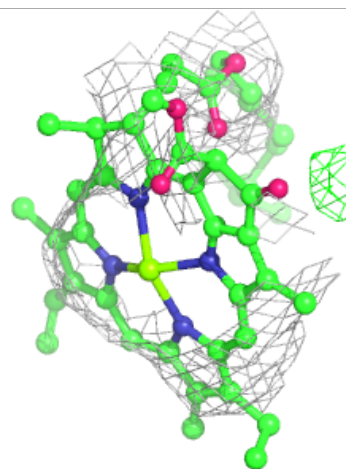
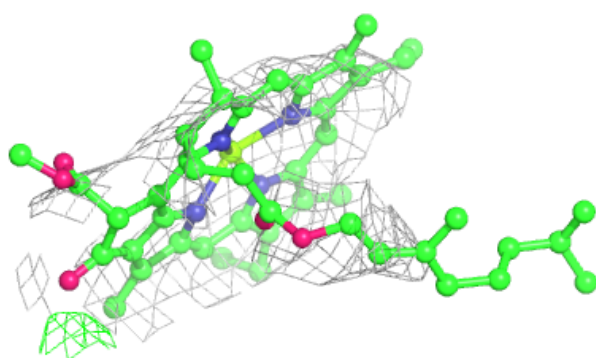
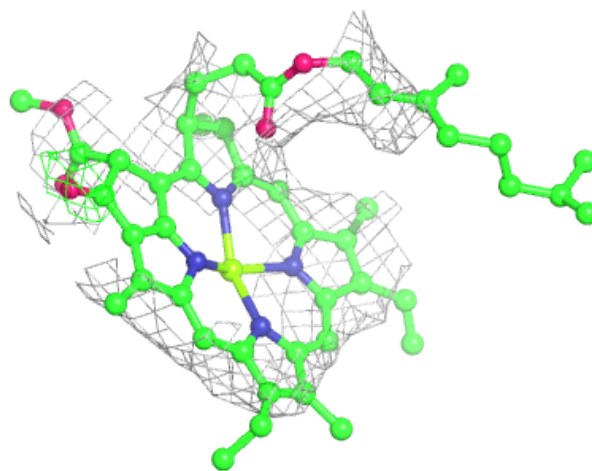
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

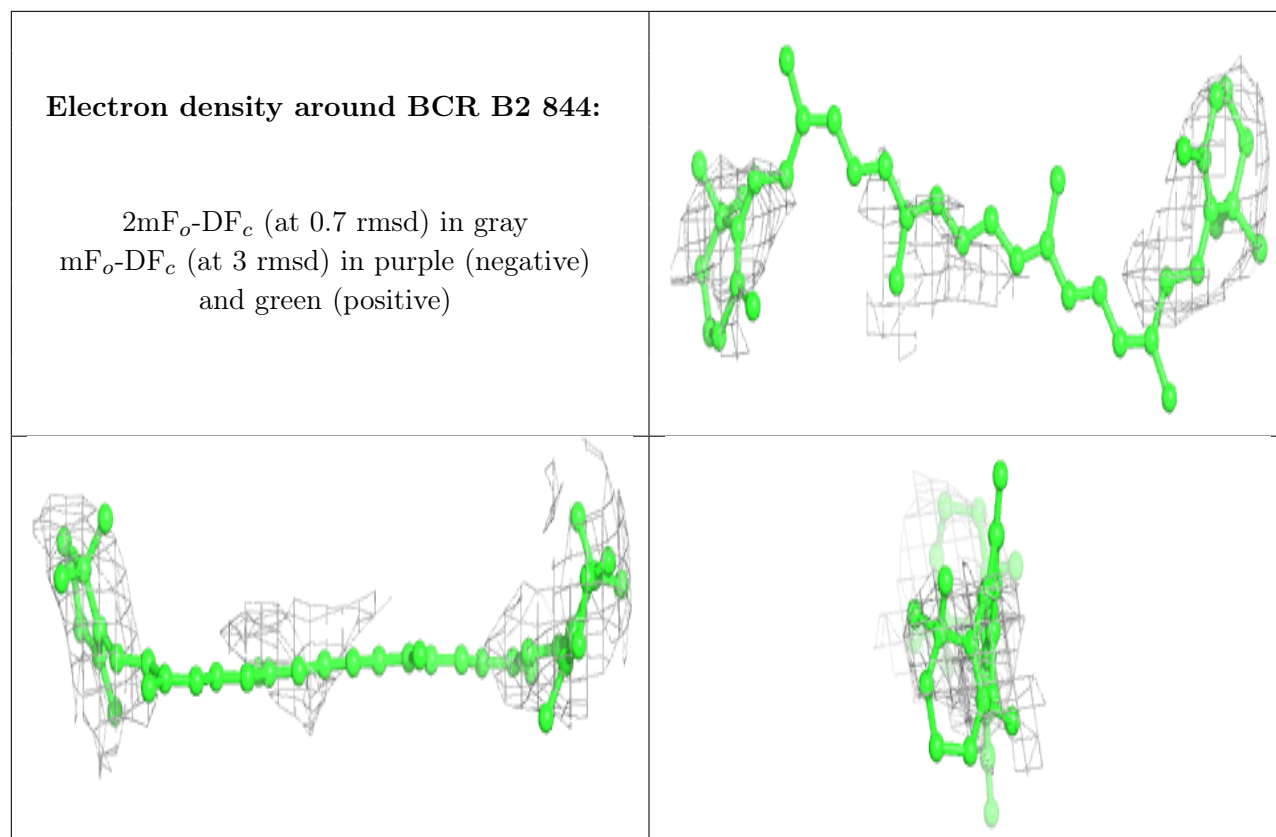




**Electron density around CLA B2 815:**

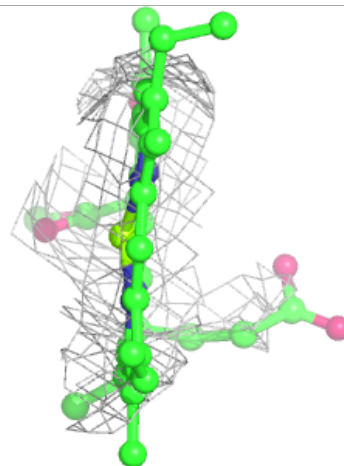
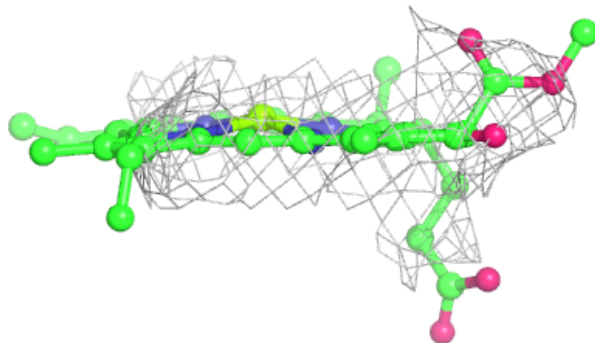
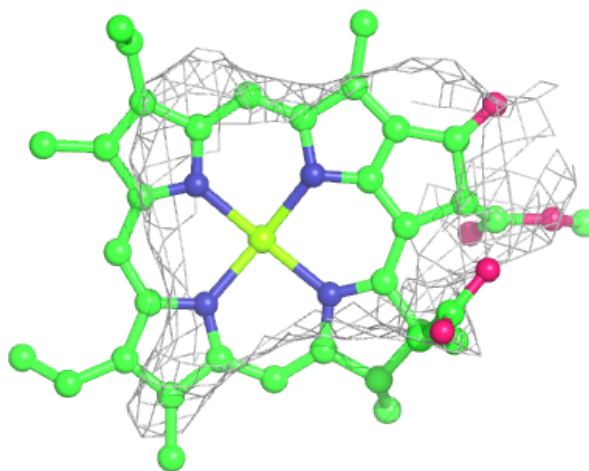
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





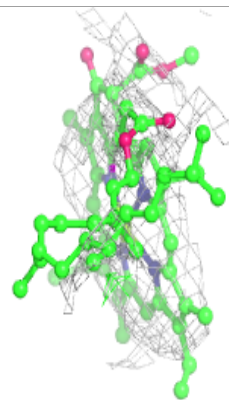
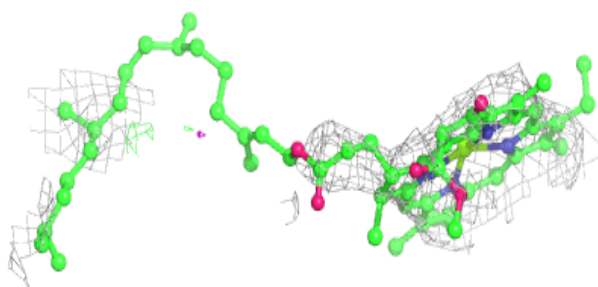
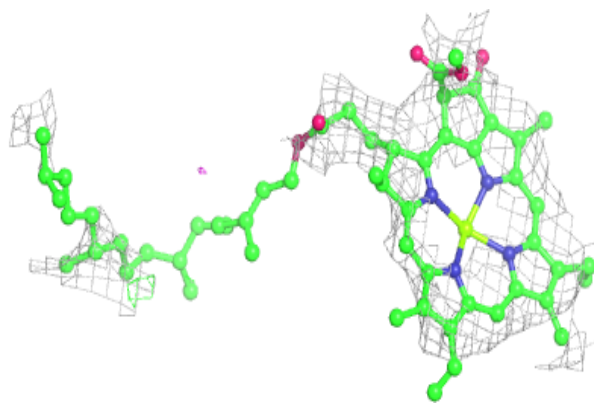
**Electron density around CLA B5 1814:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

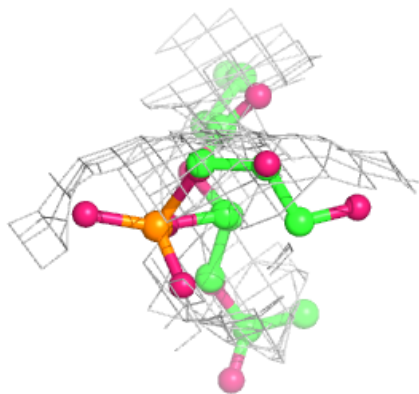
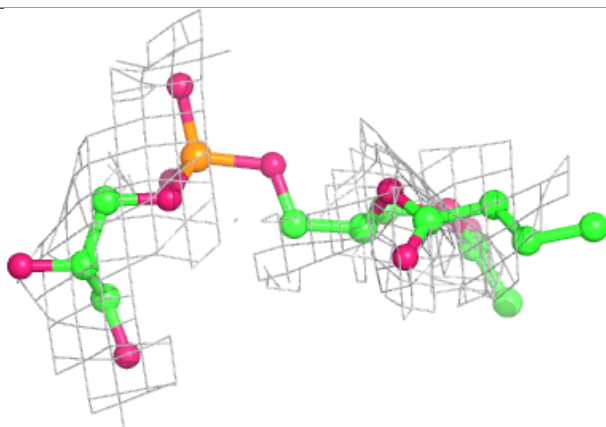
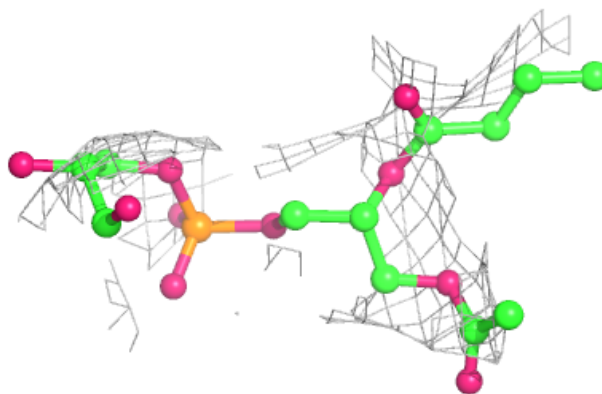


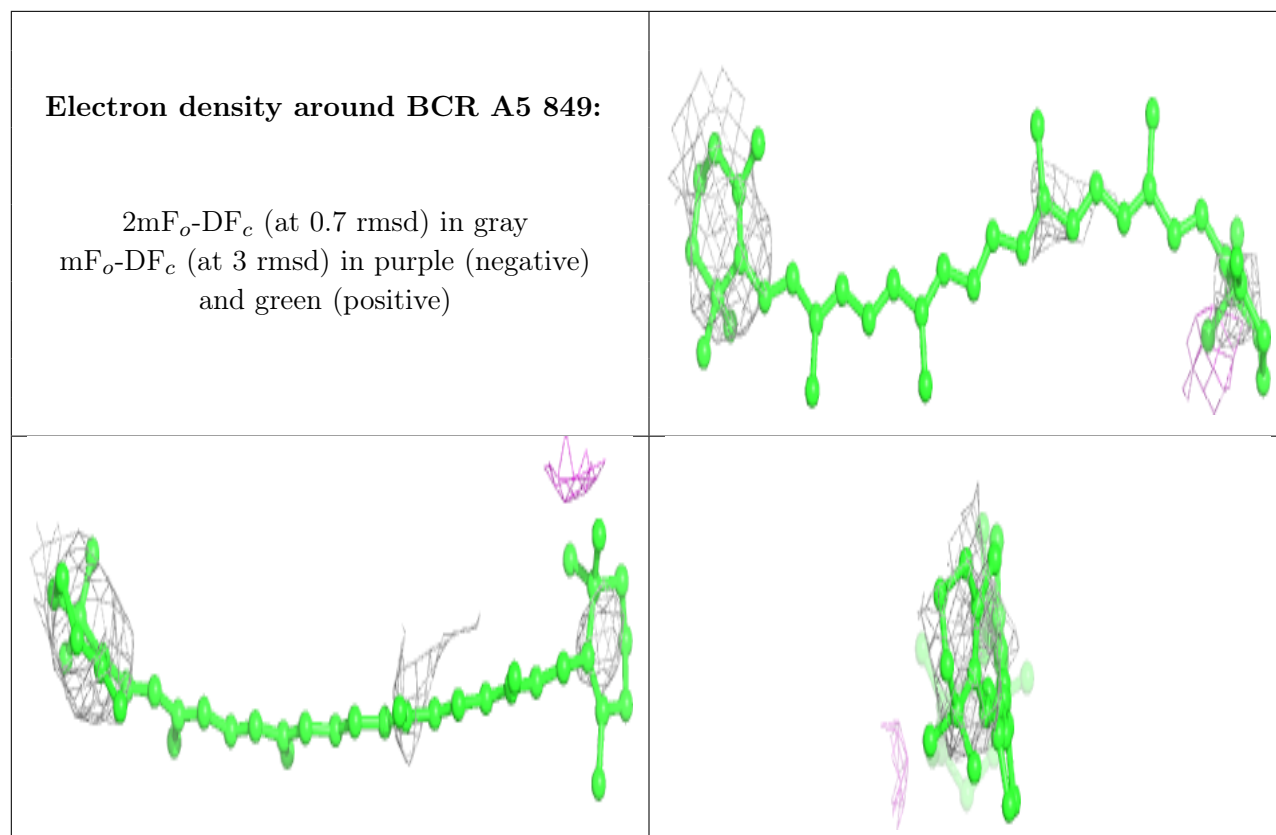
**Electron density around CLA B5 1815:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around LHG B6 849:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

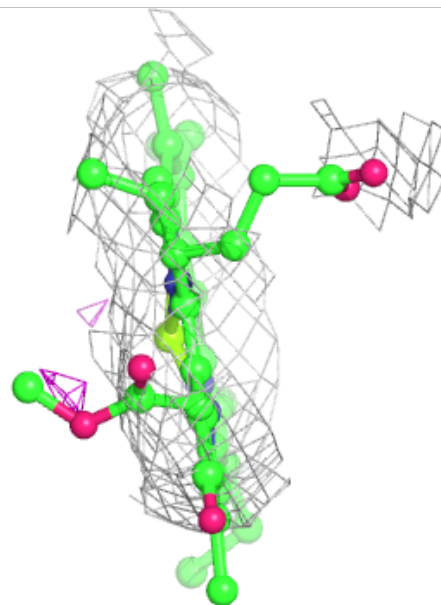
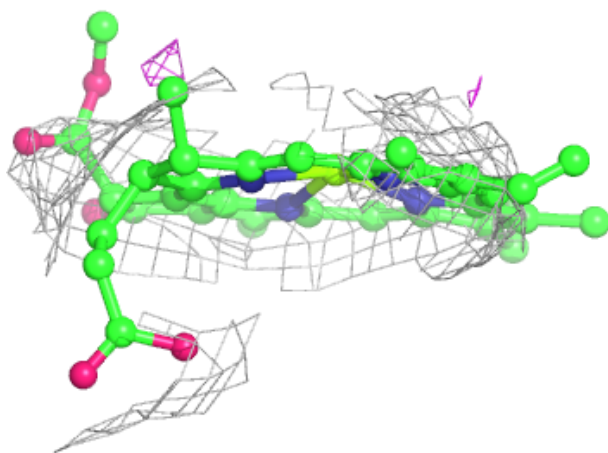
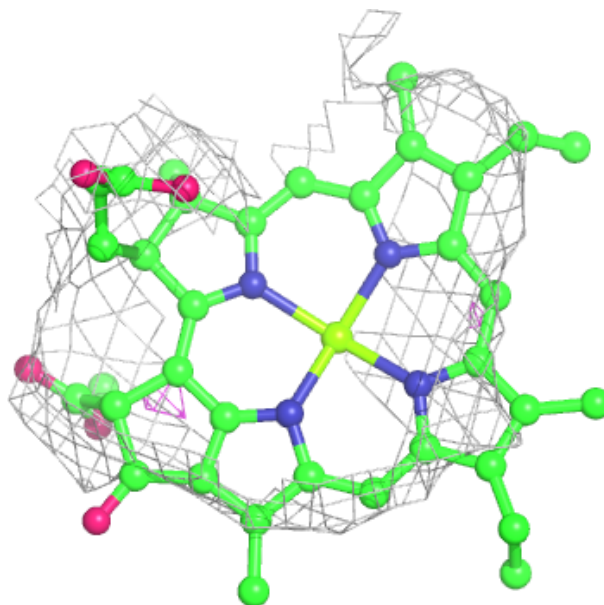






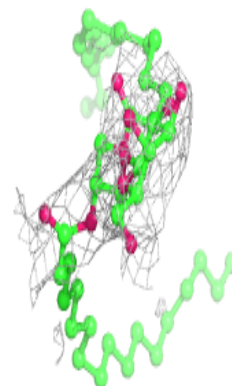
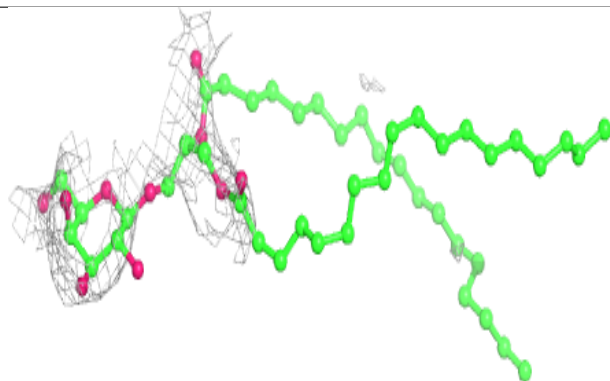
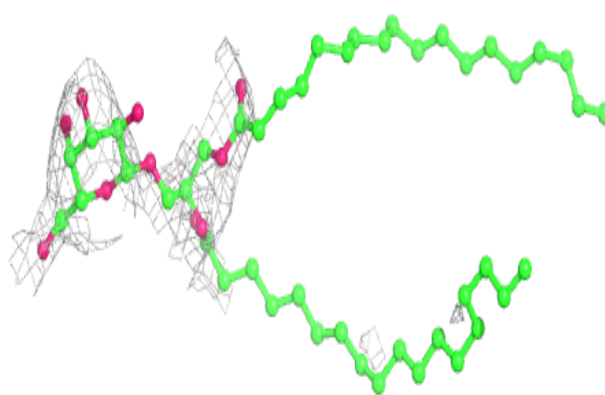
**Electron density around CLA B2 829:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

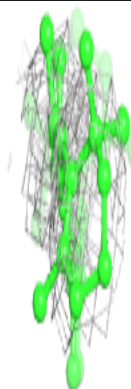
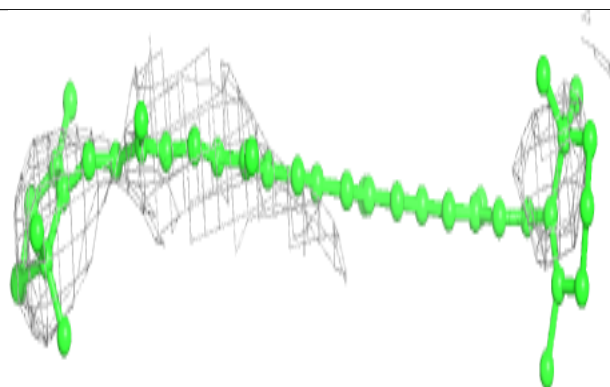
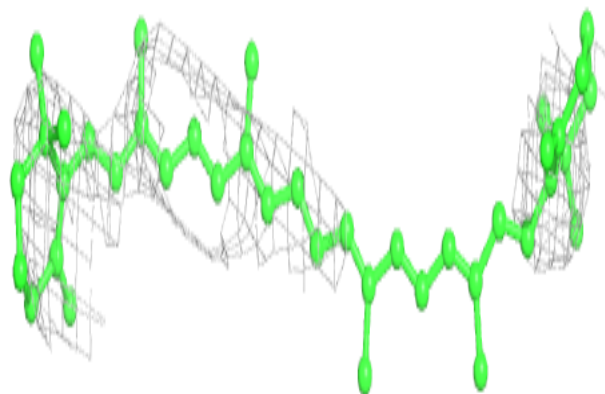


**Electron density around LMG B3 1850:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

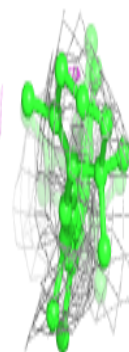
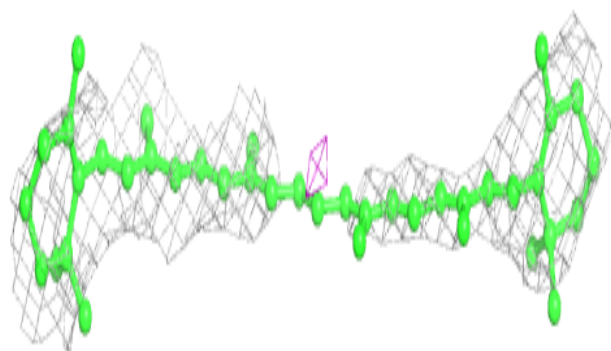
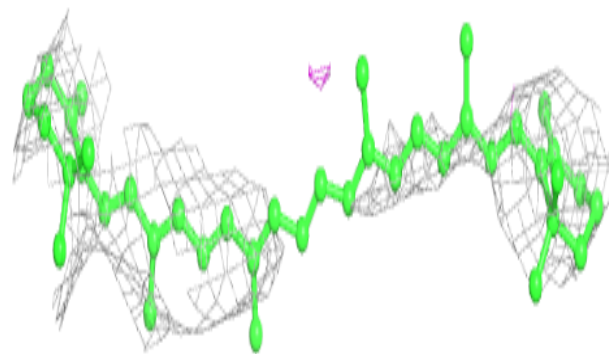
**Electron density around BCR A5 853:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

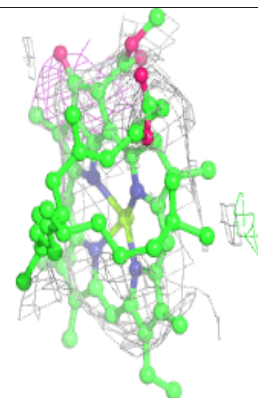
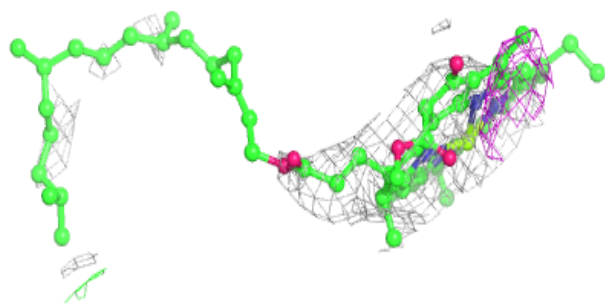
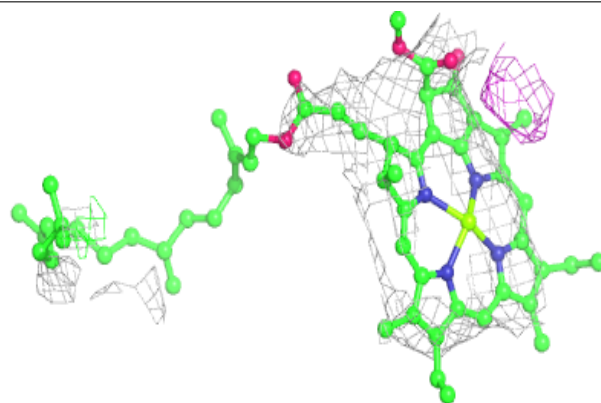


**Electron density around BCR A6 1644:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

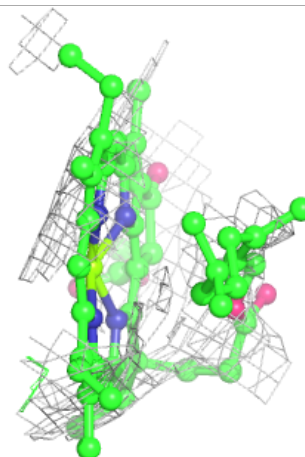
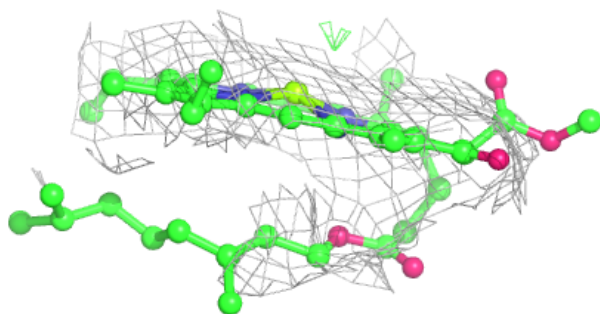
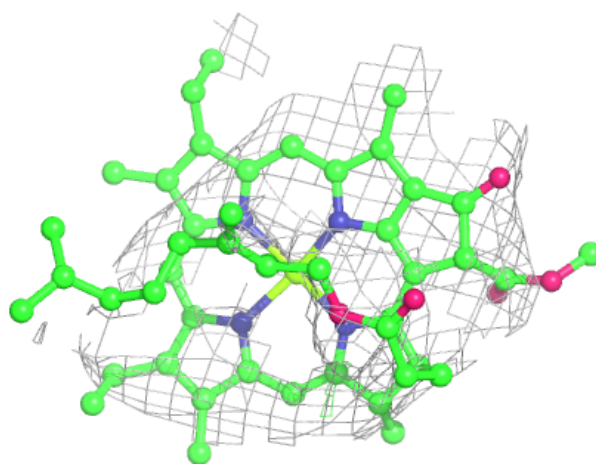
**Electron density around CLA B4 811:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



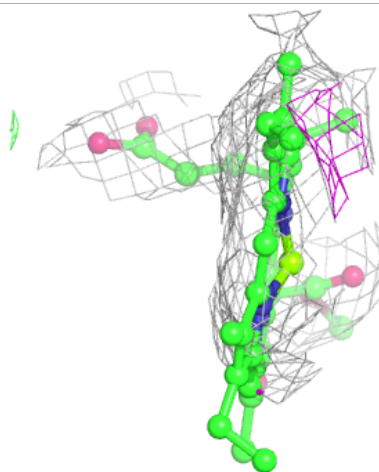
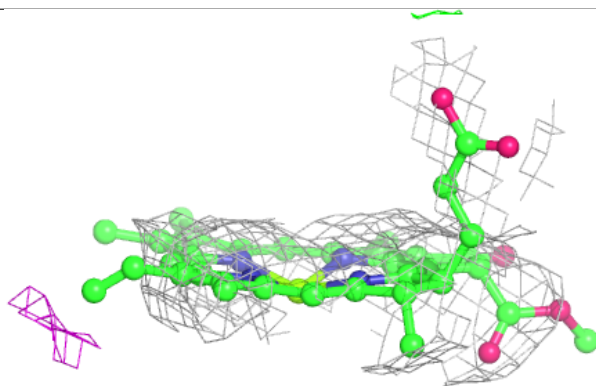
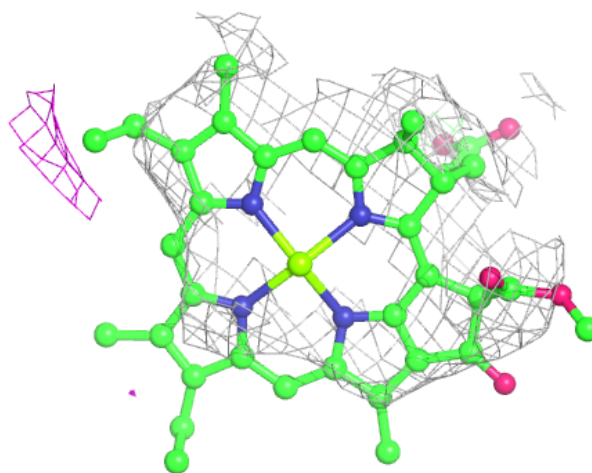
**Electron density around CLA B1 823:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



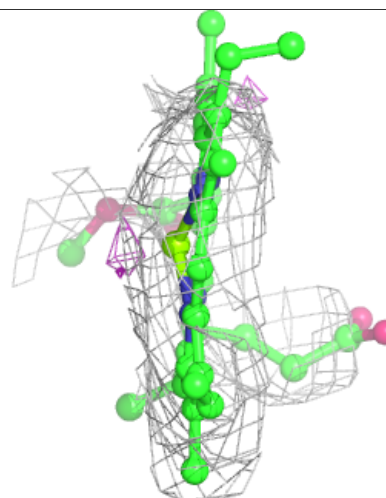
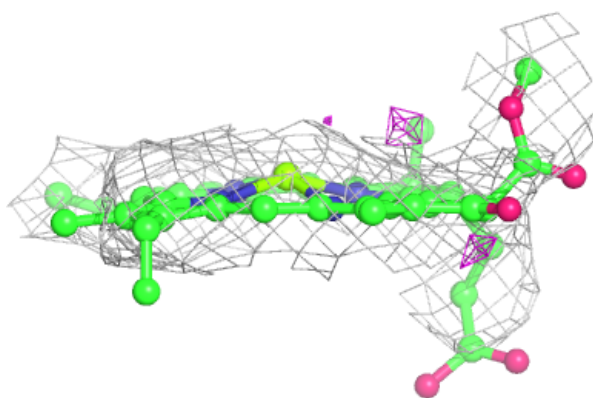
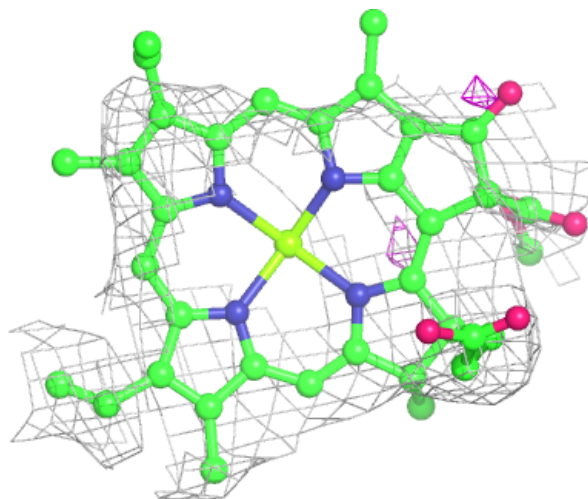
**Electron density around CLA B4 813:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



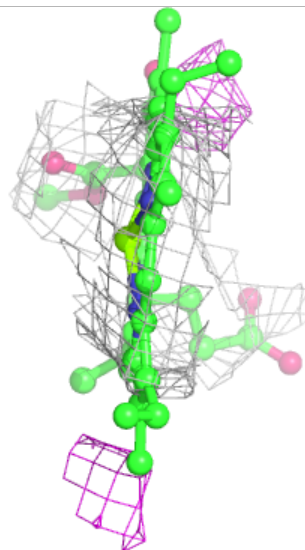
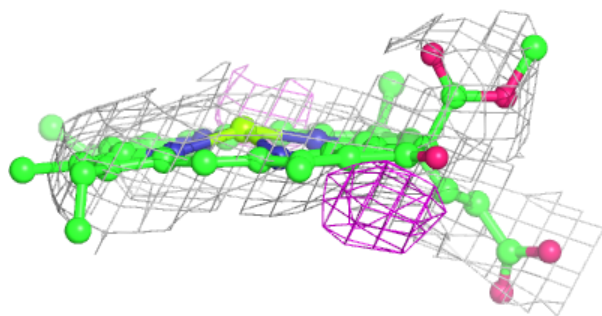
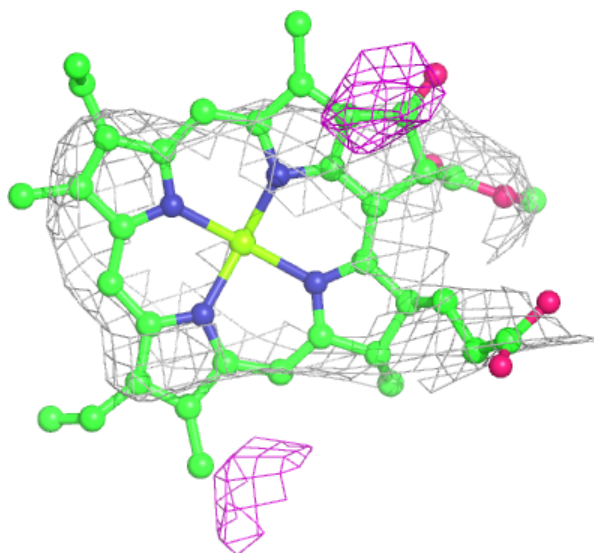
**Electron density around CLA B4 817:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



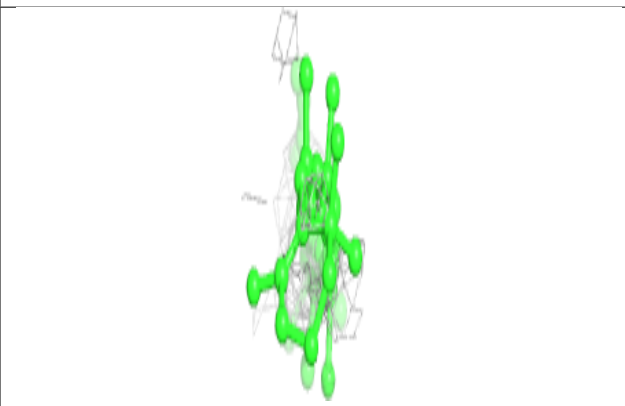
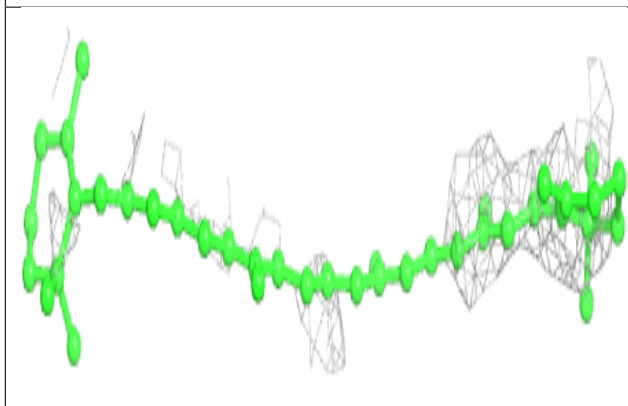
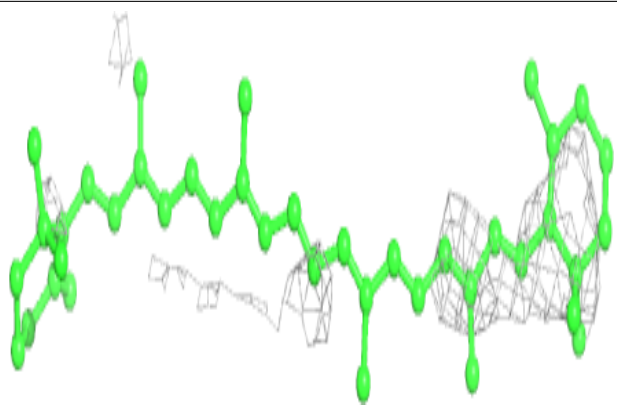
**Electron density around CLA B1 824:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

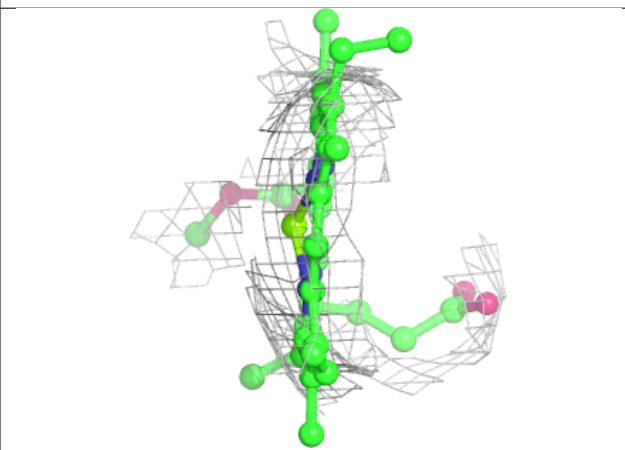
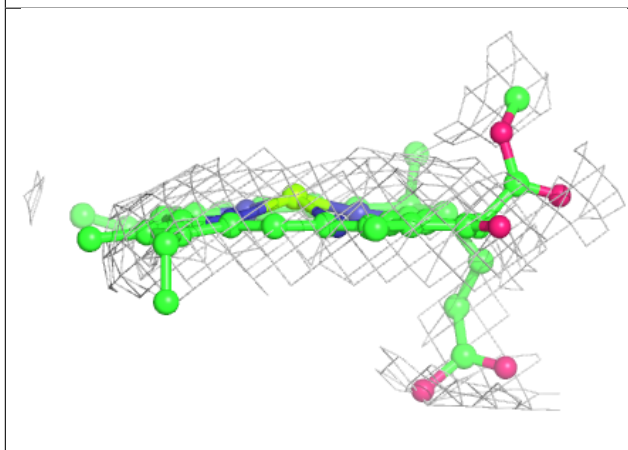
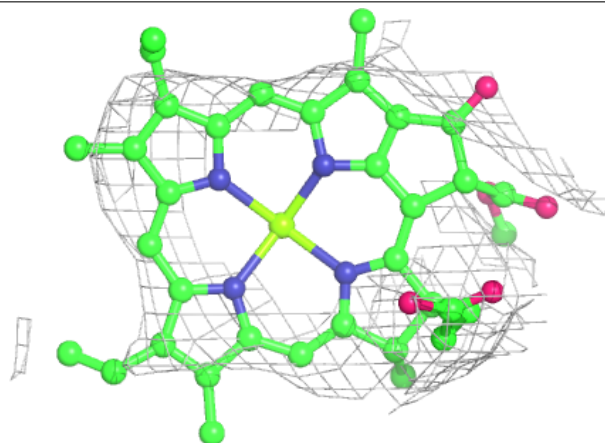


**Electron density around BCR B3 1851:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B2 814:**

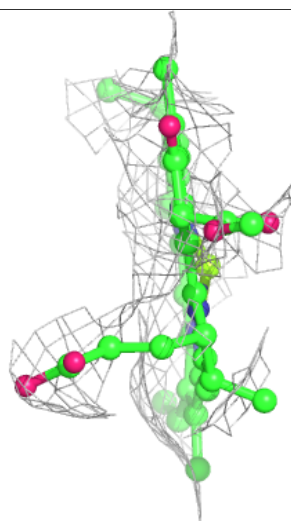
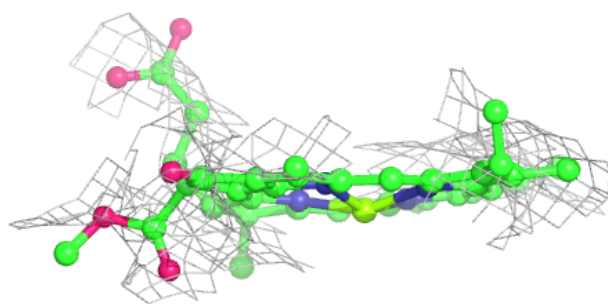
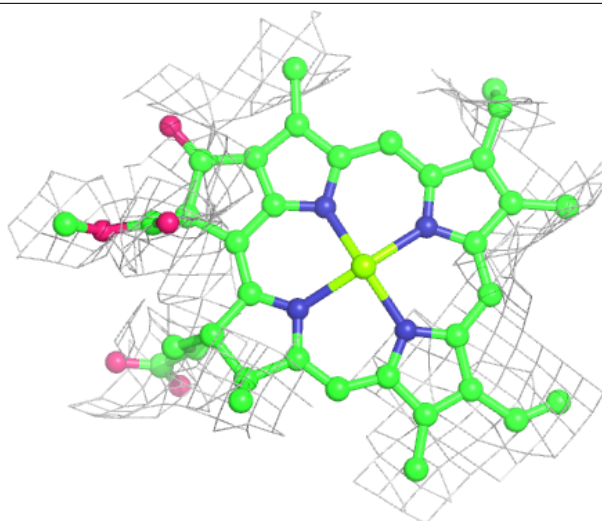
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





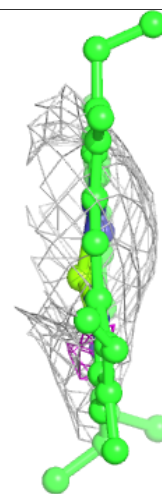
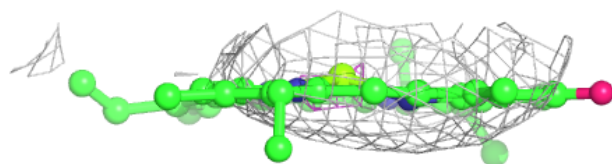
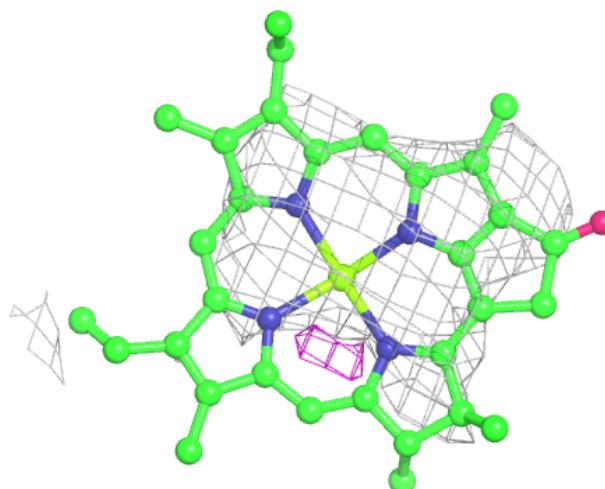
**Electron density around CLA B4 837:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



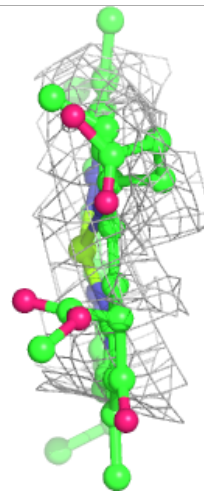
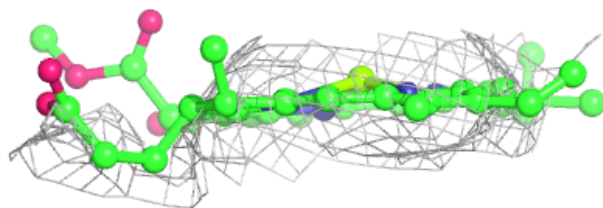
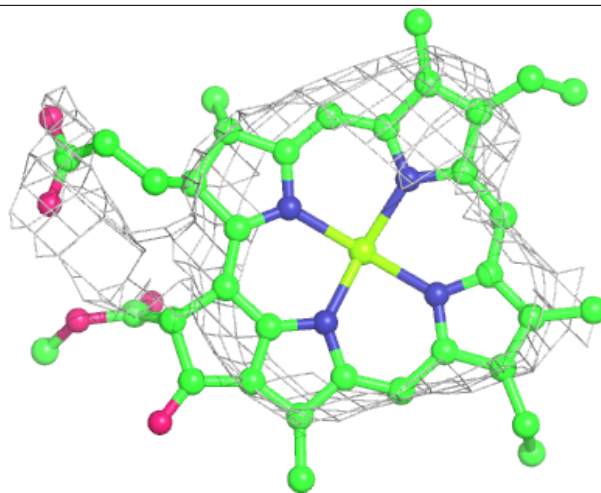
**Electron density around CLA J3 102:**

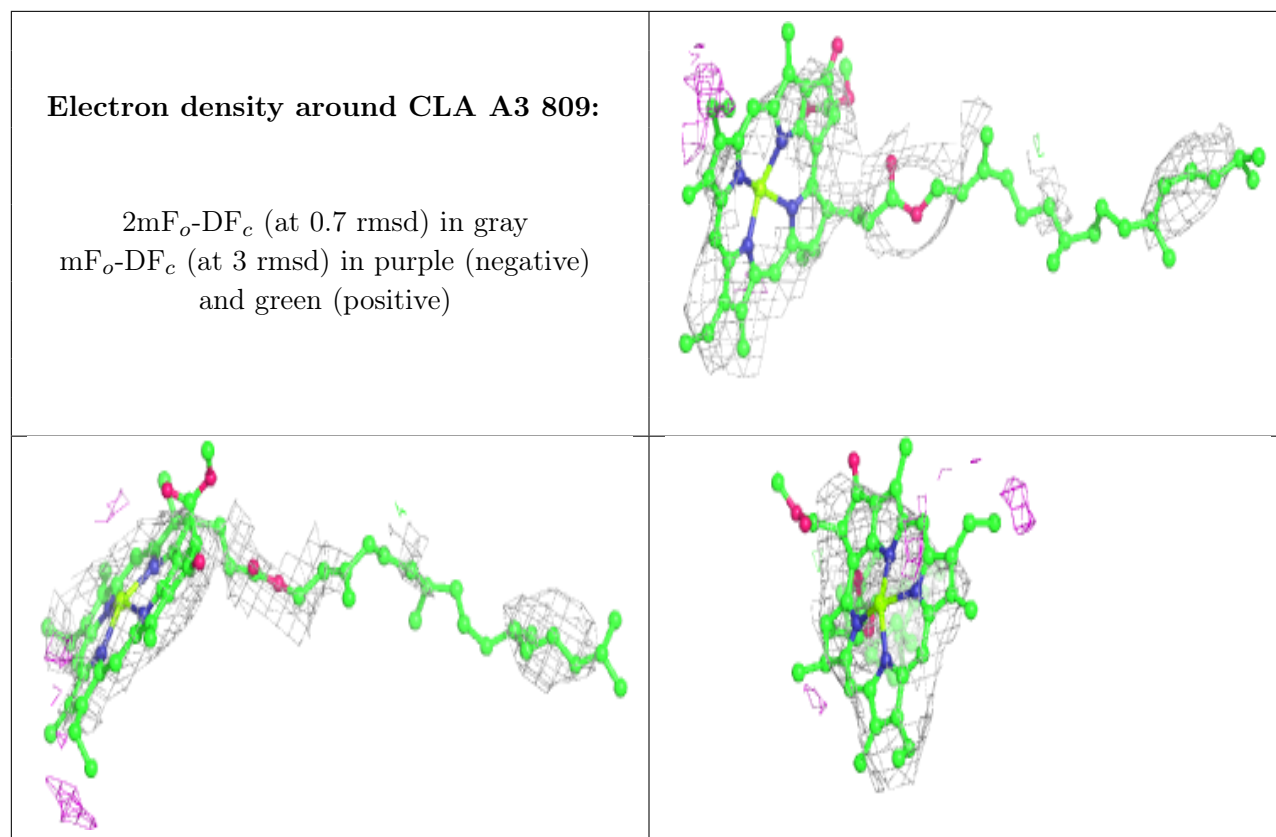
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA F4 202:**

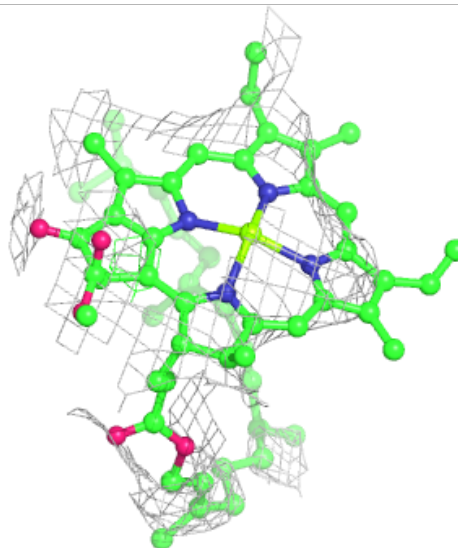
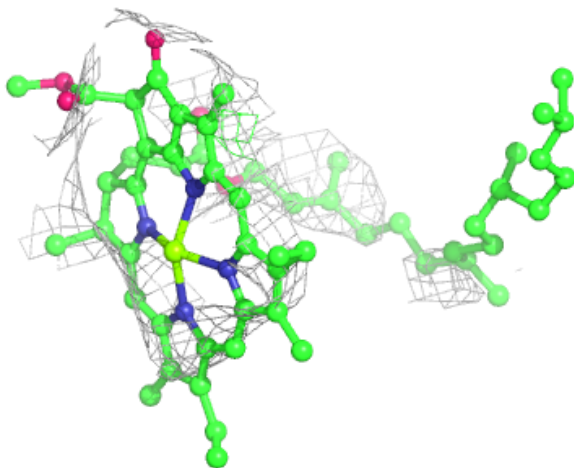
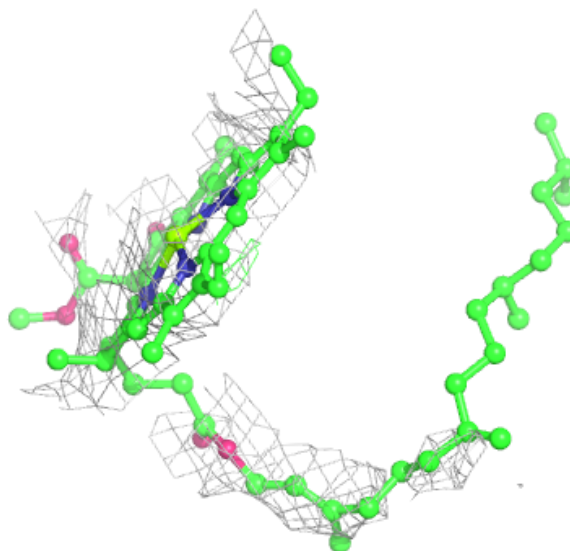
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

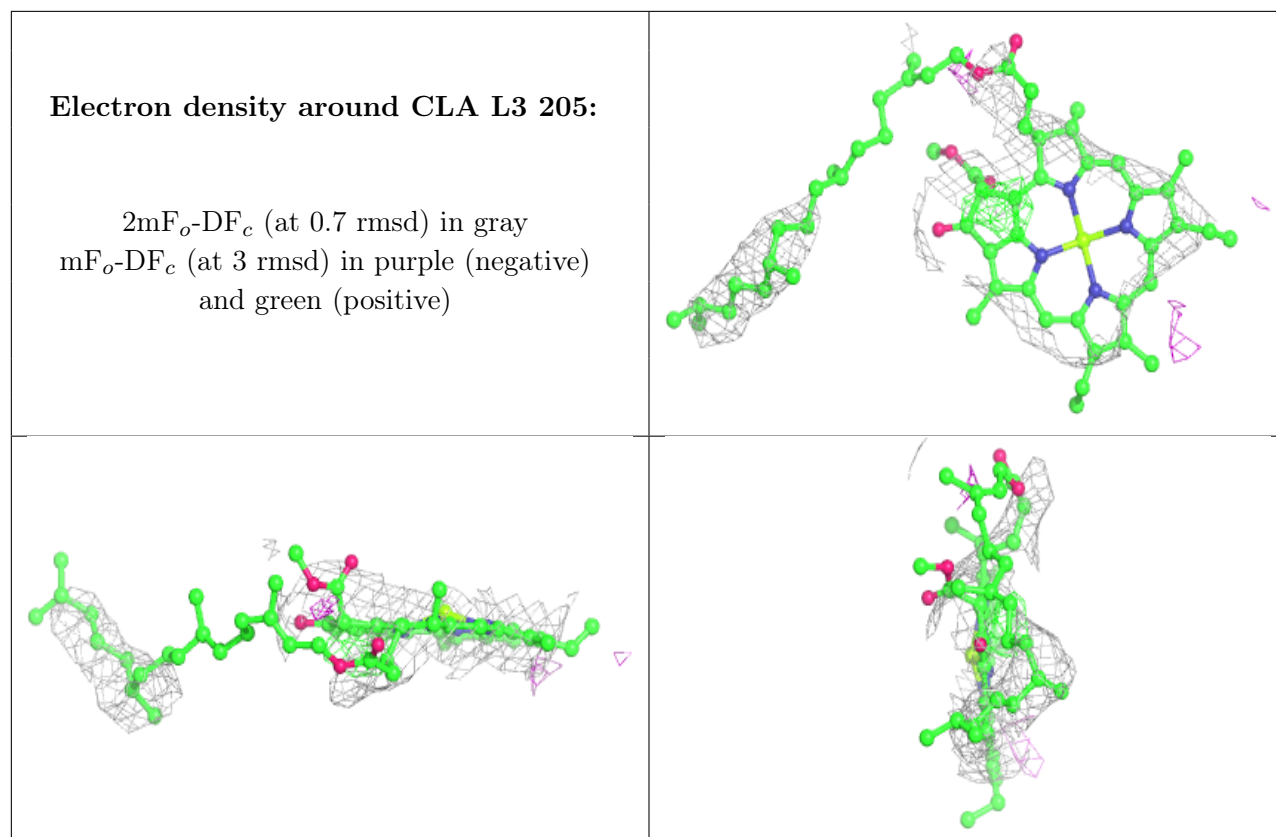




**Electron density around CLA B6 819:**

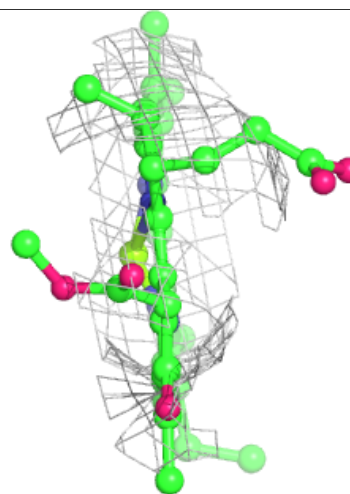
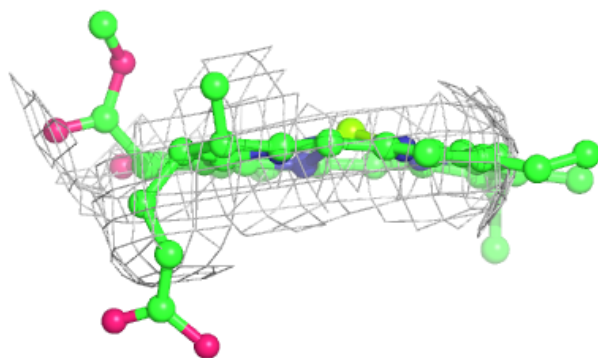
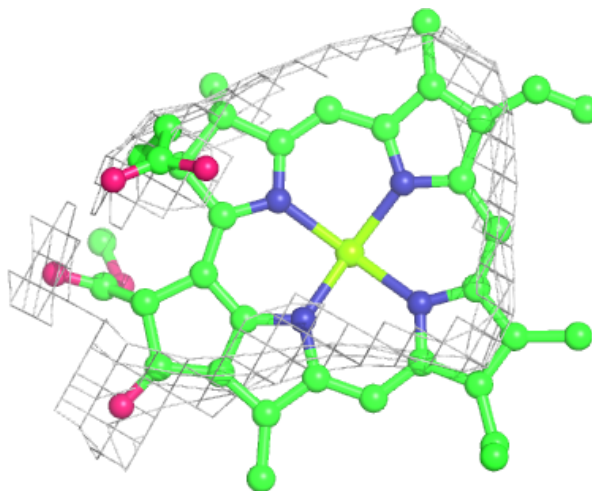
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





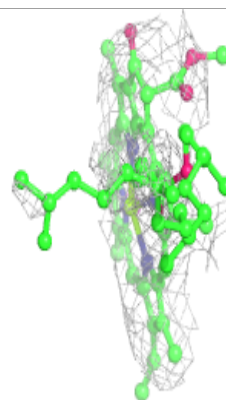
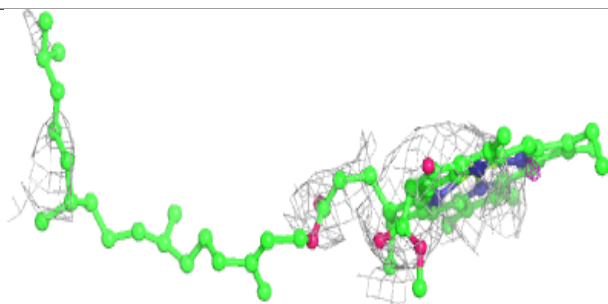
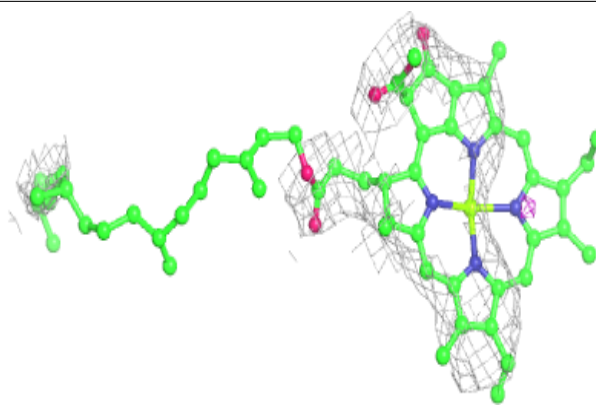
**Electron density around CLA B3 1817:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

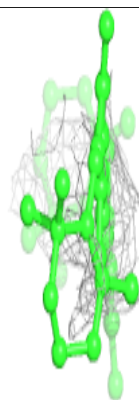
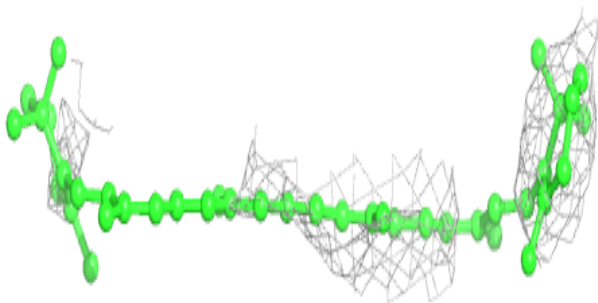
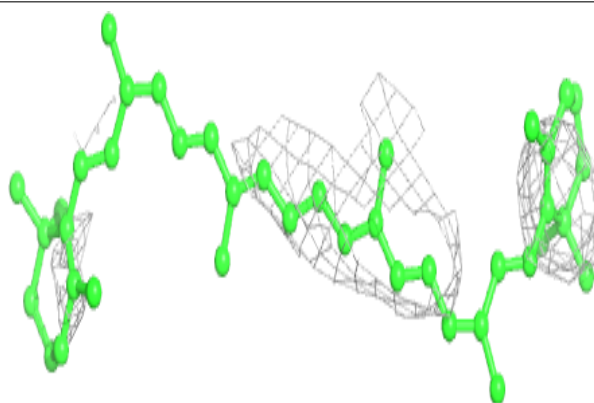


**Electron density around CLA A4 804:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR B5 1847:**

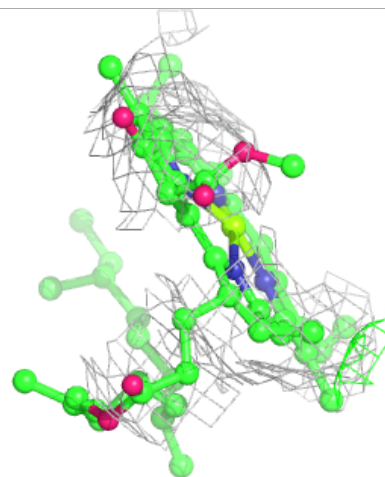
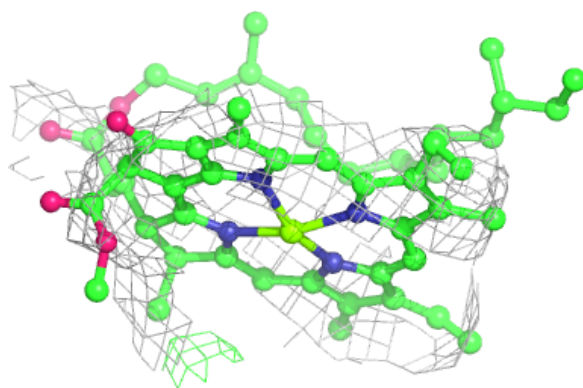
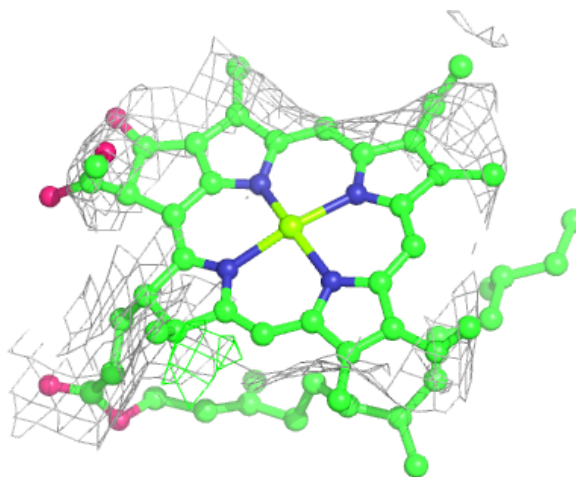
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





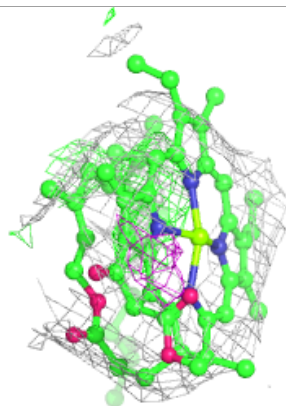
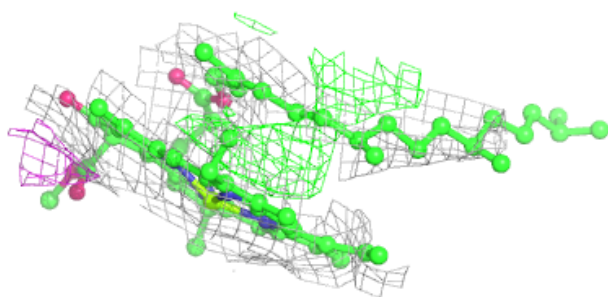
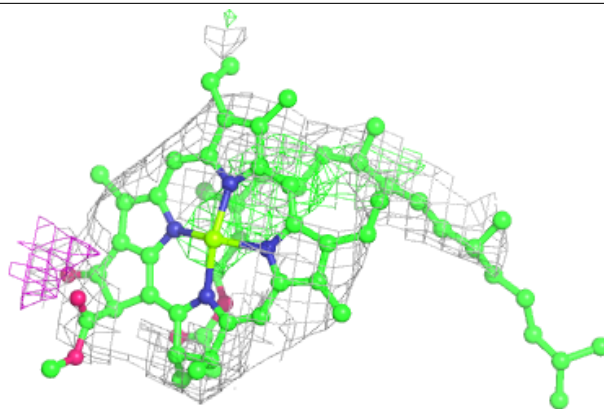
**Electron density around CLA A1 819:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

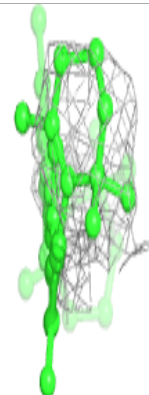
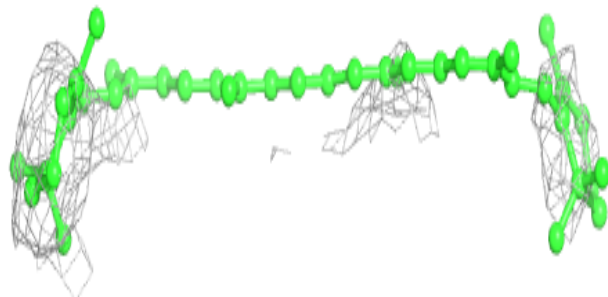
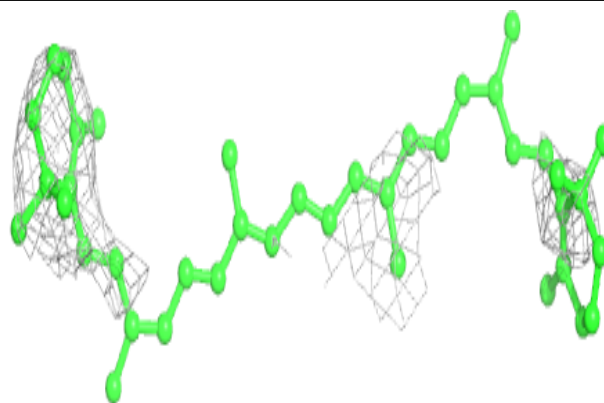


**Electron density around CLA B4 809:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

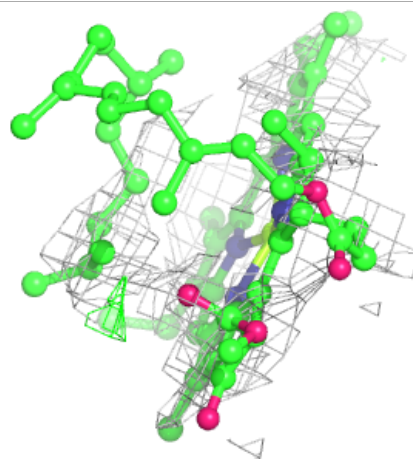
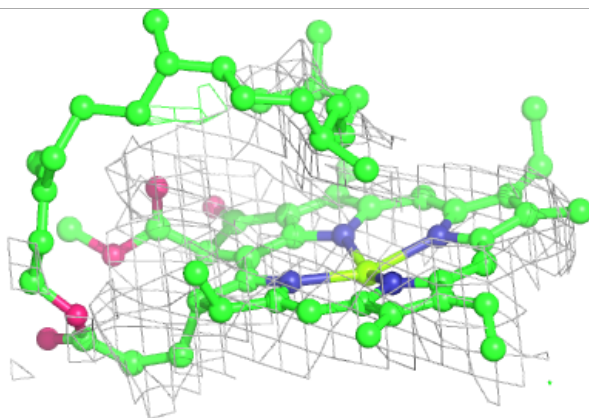
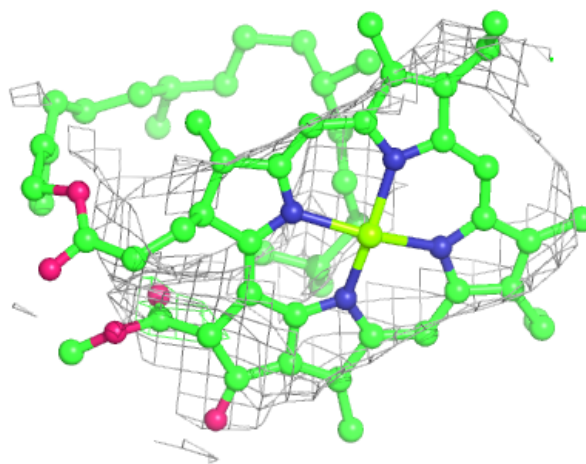
**Electron density around BCR B6 845:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



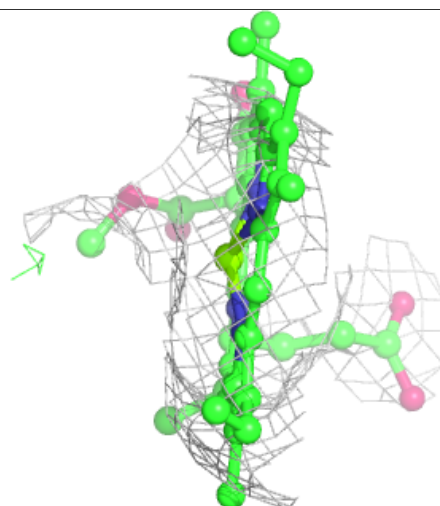
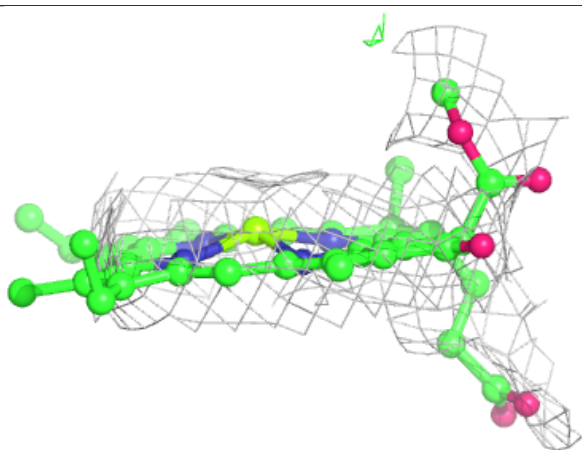
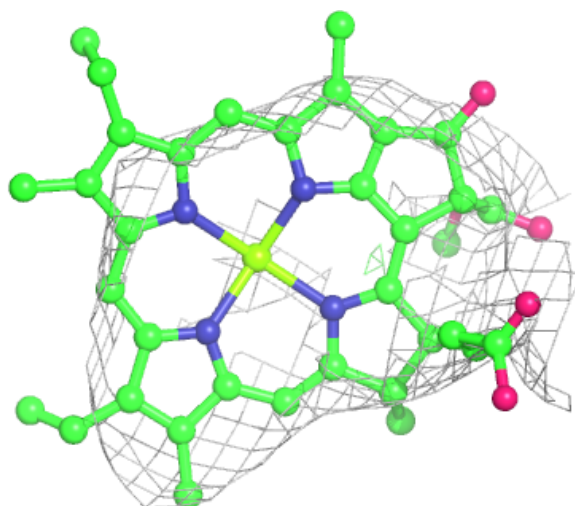
**Electron density around CLA A1 805:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



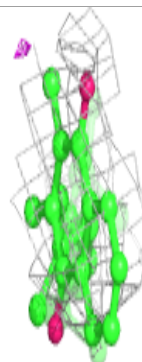
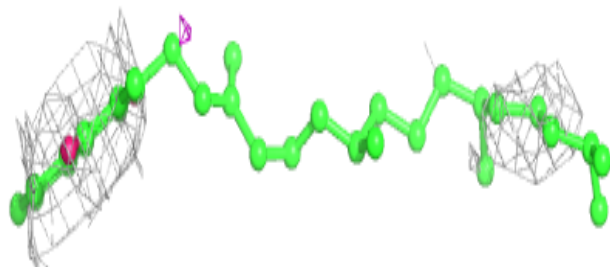
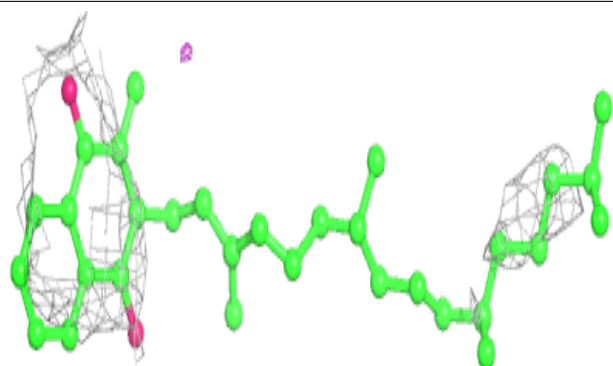
**Electron density around CLA K1 1401:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

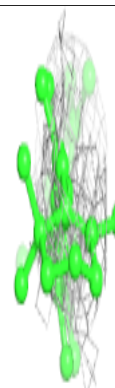
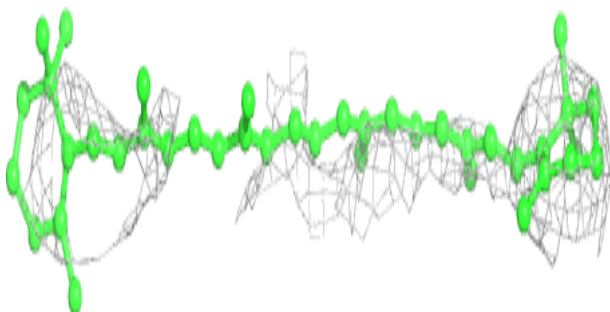
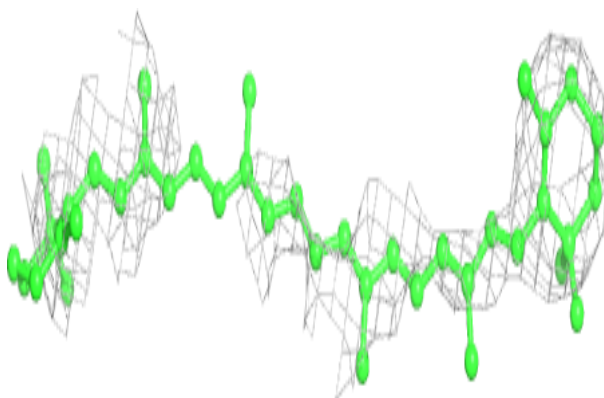


**Electron density around PQN A5 844:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

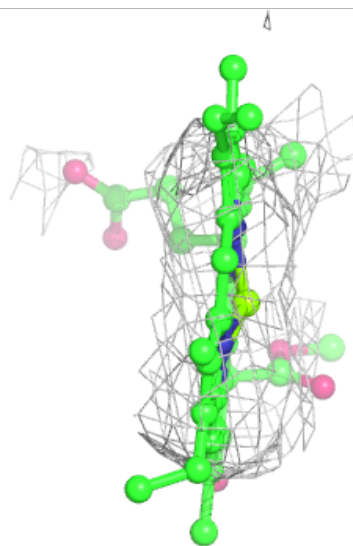
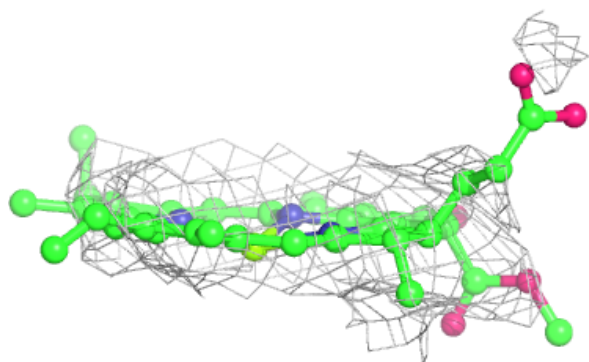
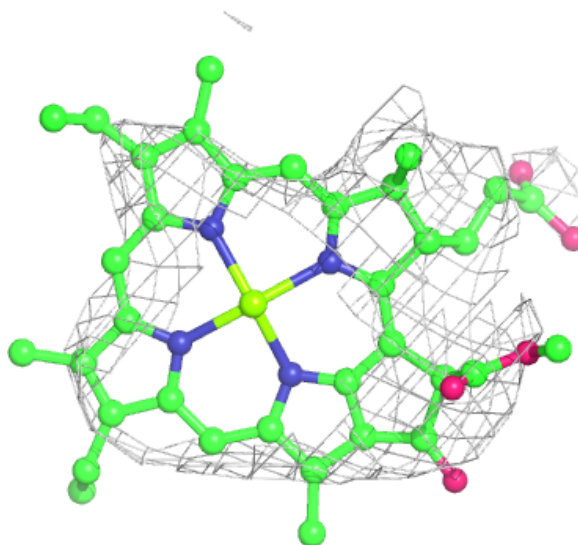
**Electron density around BCR L3 201:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



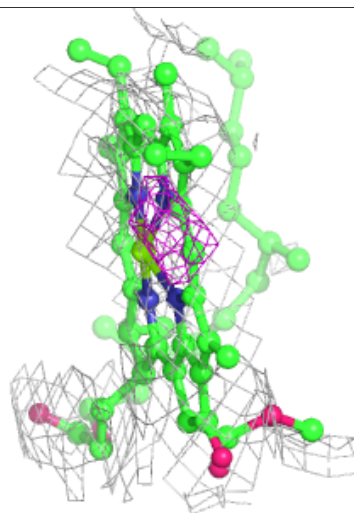
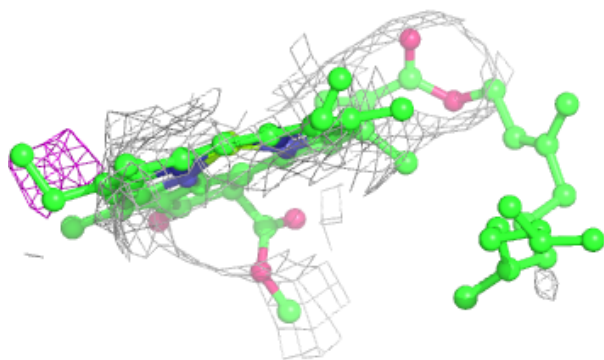
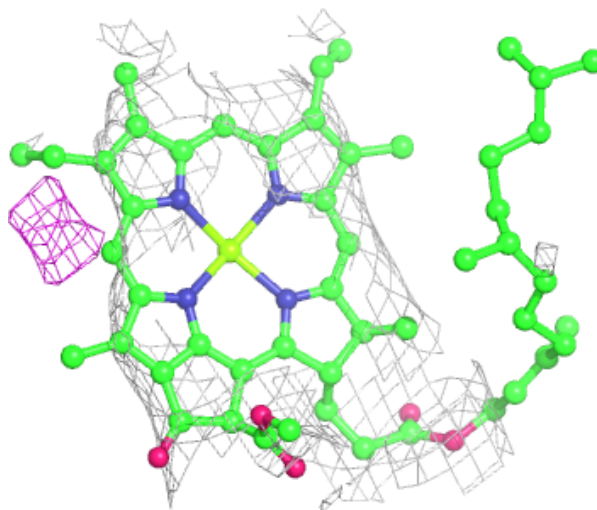
**Electron density around CLA B3 1825:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



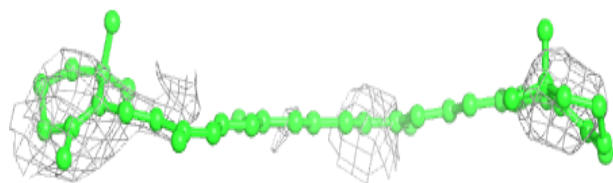
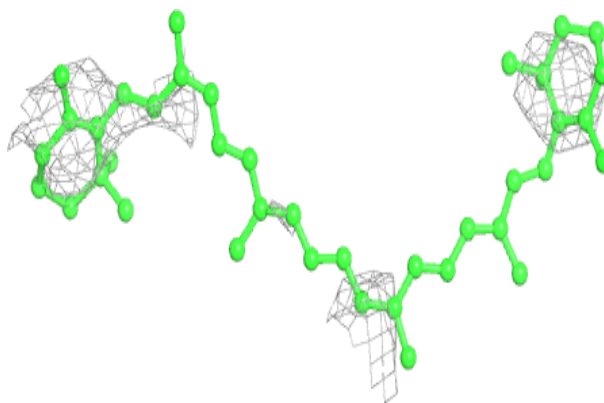
**Electron density around CLA A1 812:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

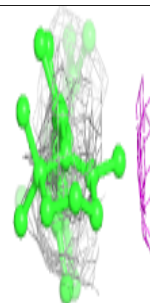
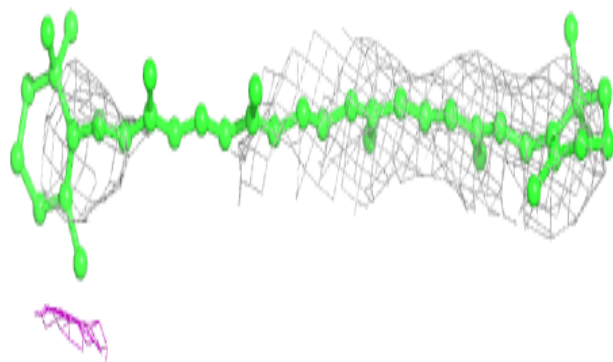
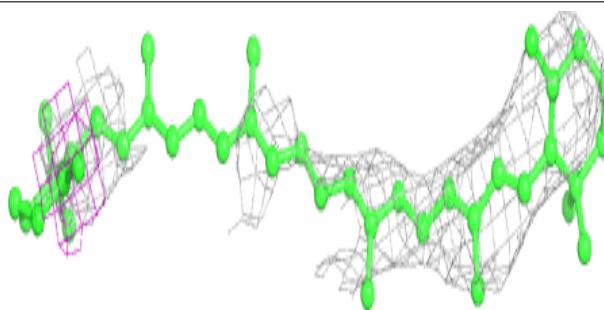


**Electron density around BCR A6 1648:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR L5 201:**

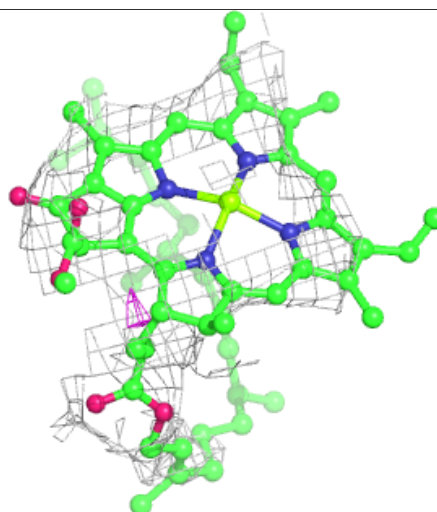
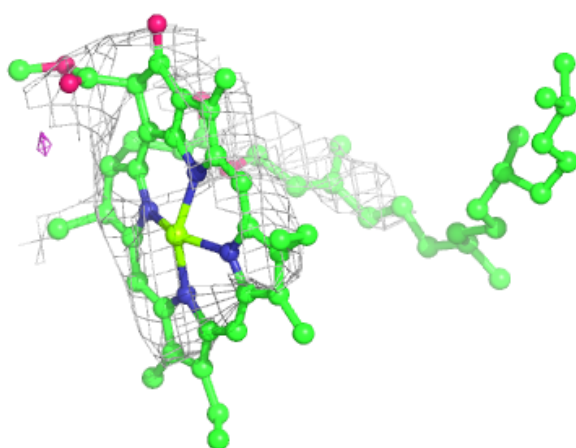
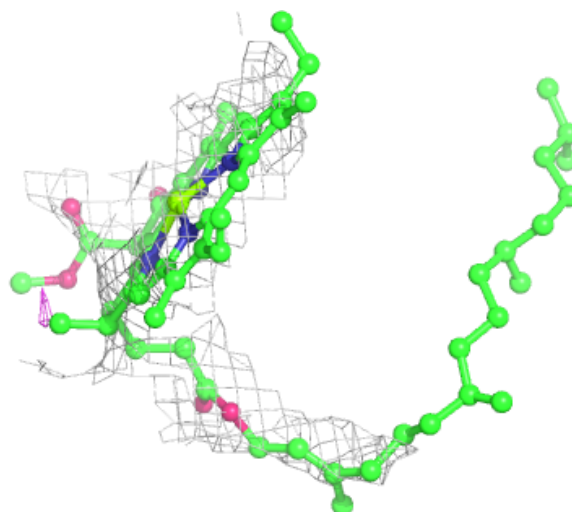
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





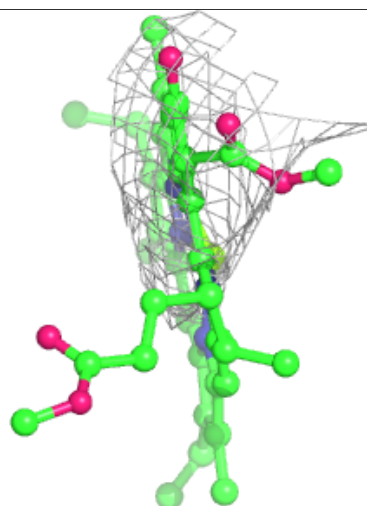
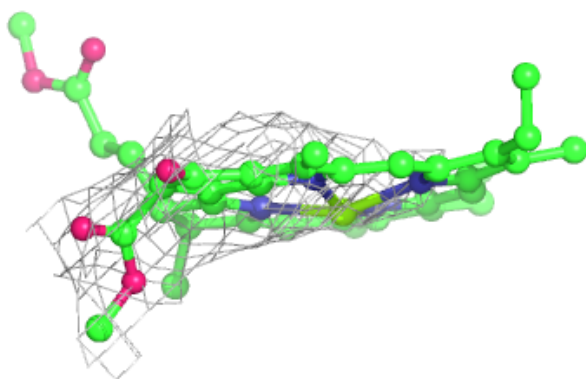
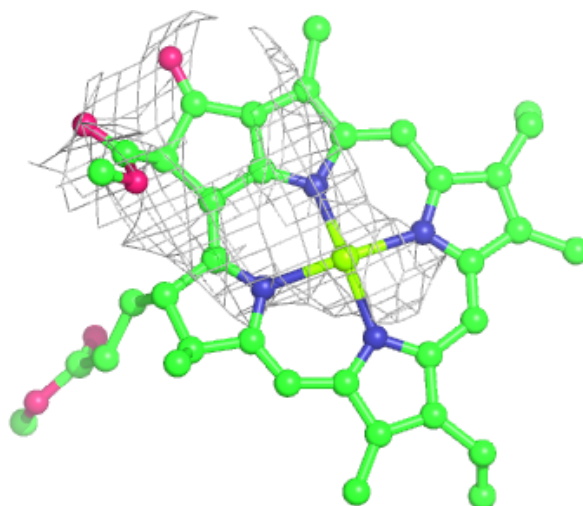
**Electron density around CLA B2 818:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



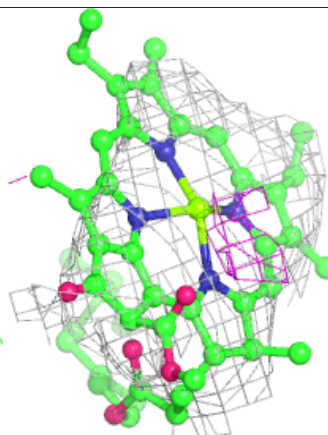
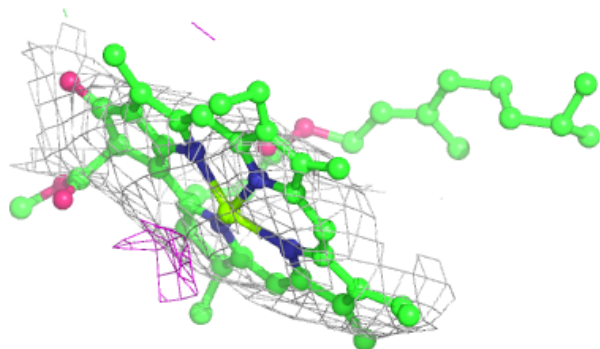
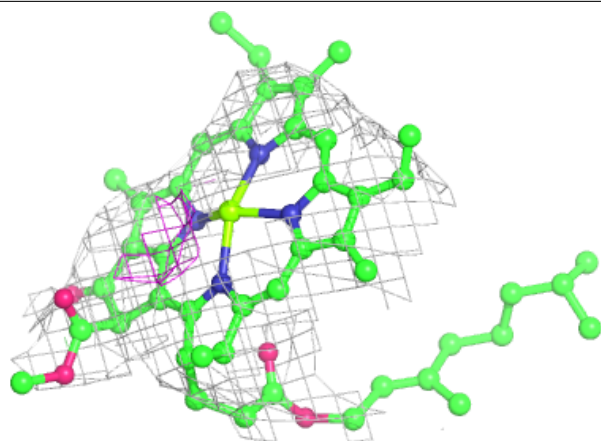
**Electron density around CLA B4 827:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

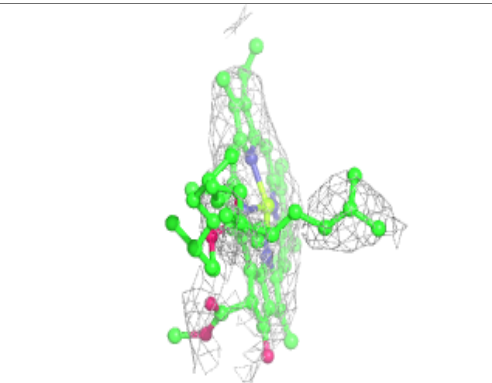
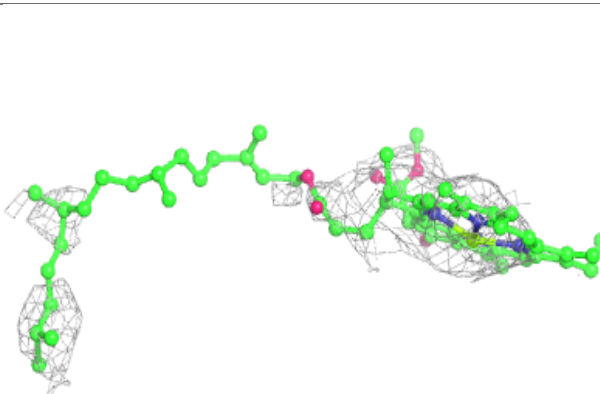
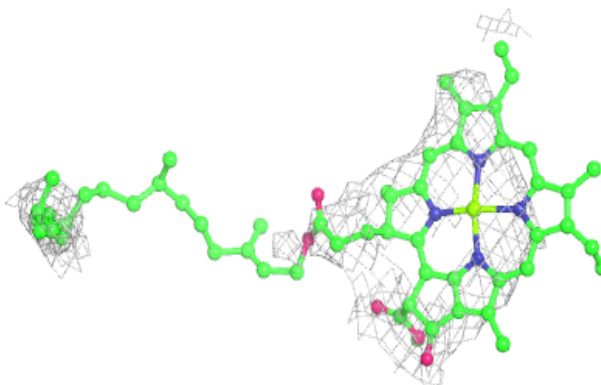


**Electron density around CLA B5 1818:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

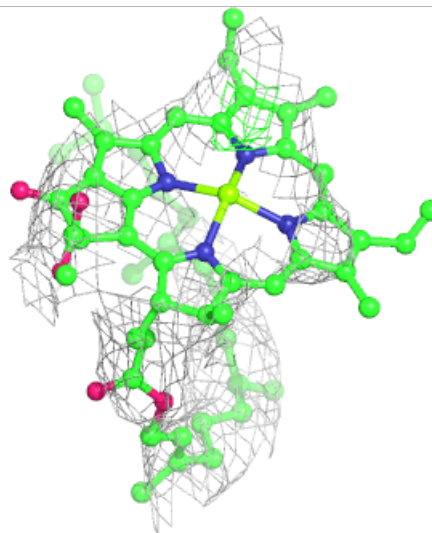
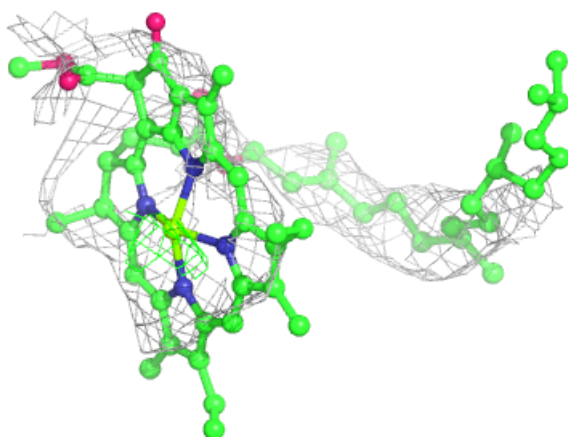
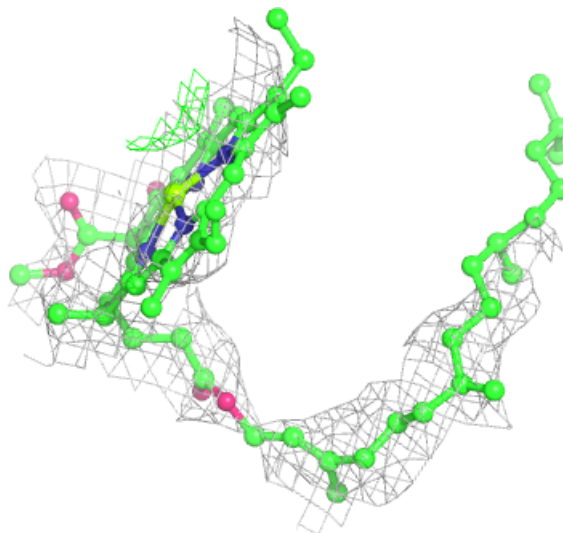
**Electron density around CLA A2 1607:**

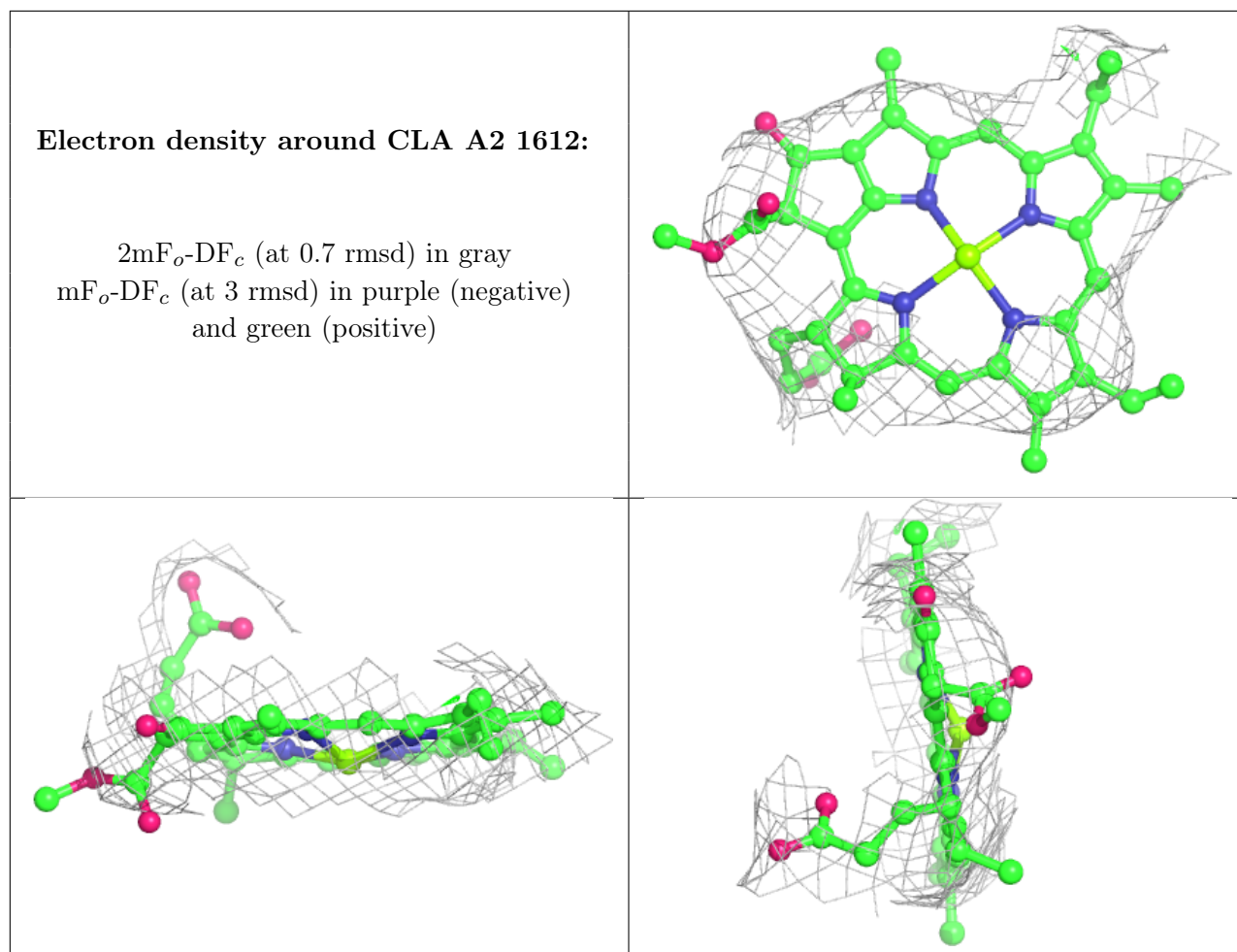
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B5 1821:**

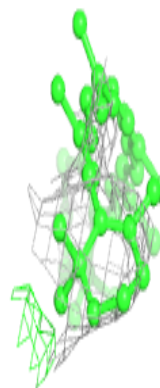
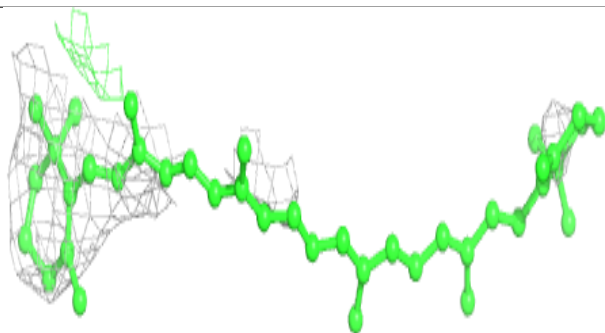
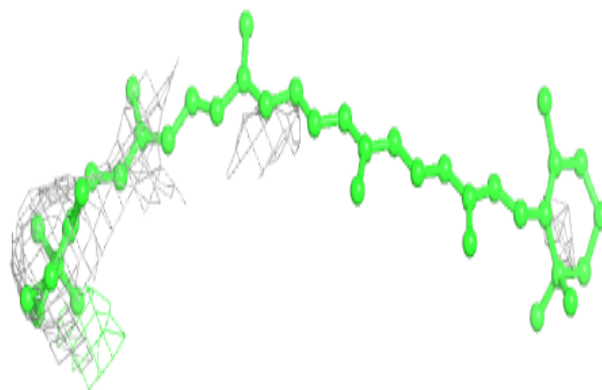
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



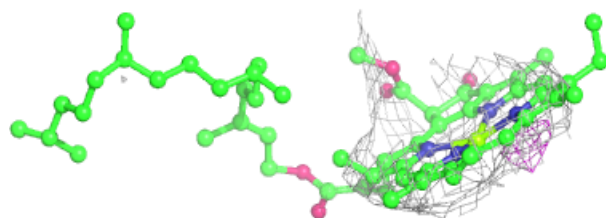
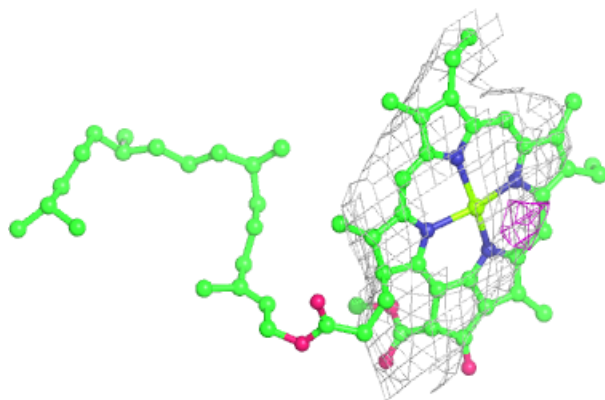


**Electron density around BCR F6 201:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

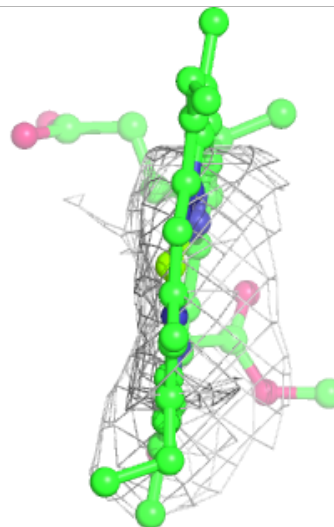
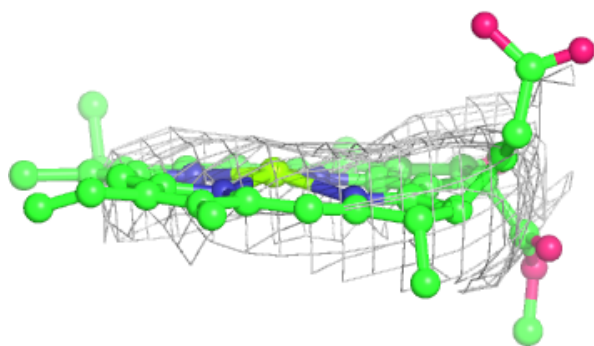
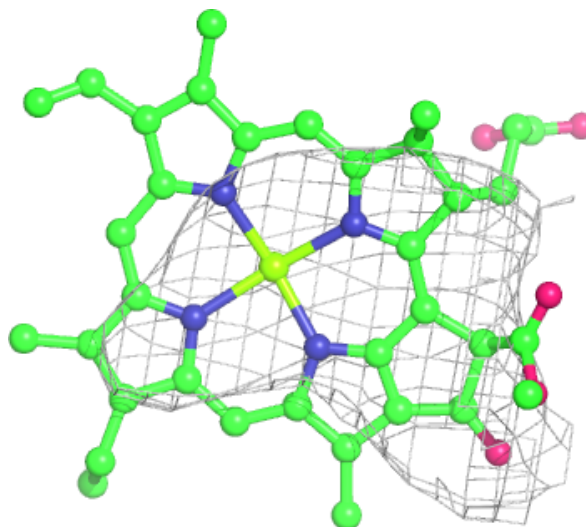
**Electron density around CLA A1 802:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



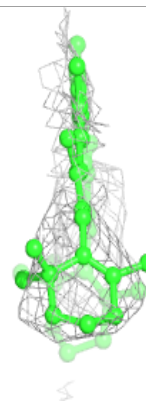
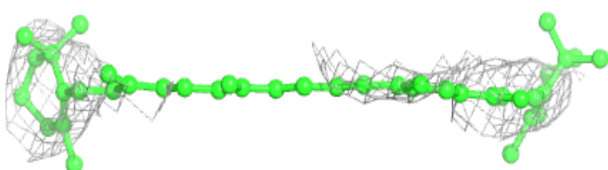
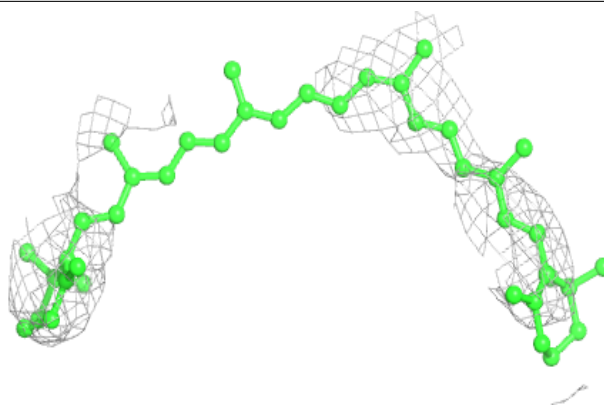
**Electron density around CLA J4 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

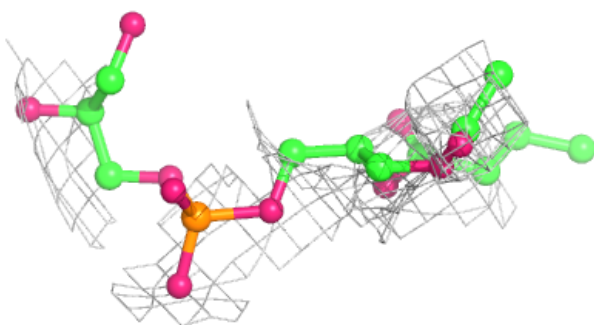
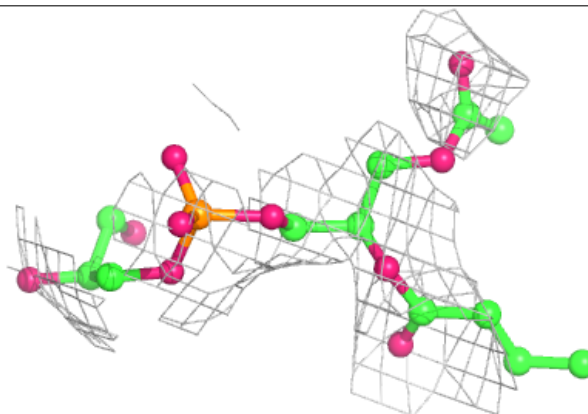


**Electron density around BCR F2 203:**

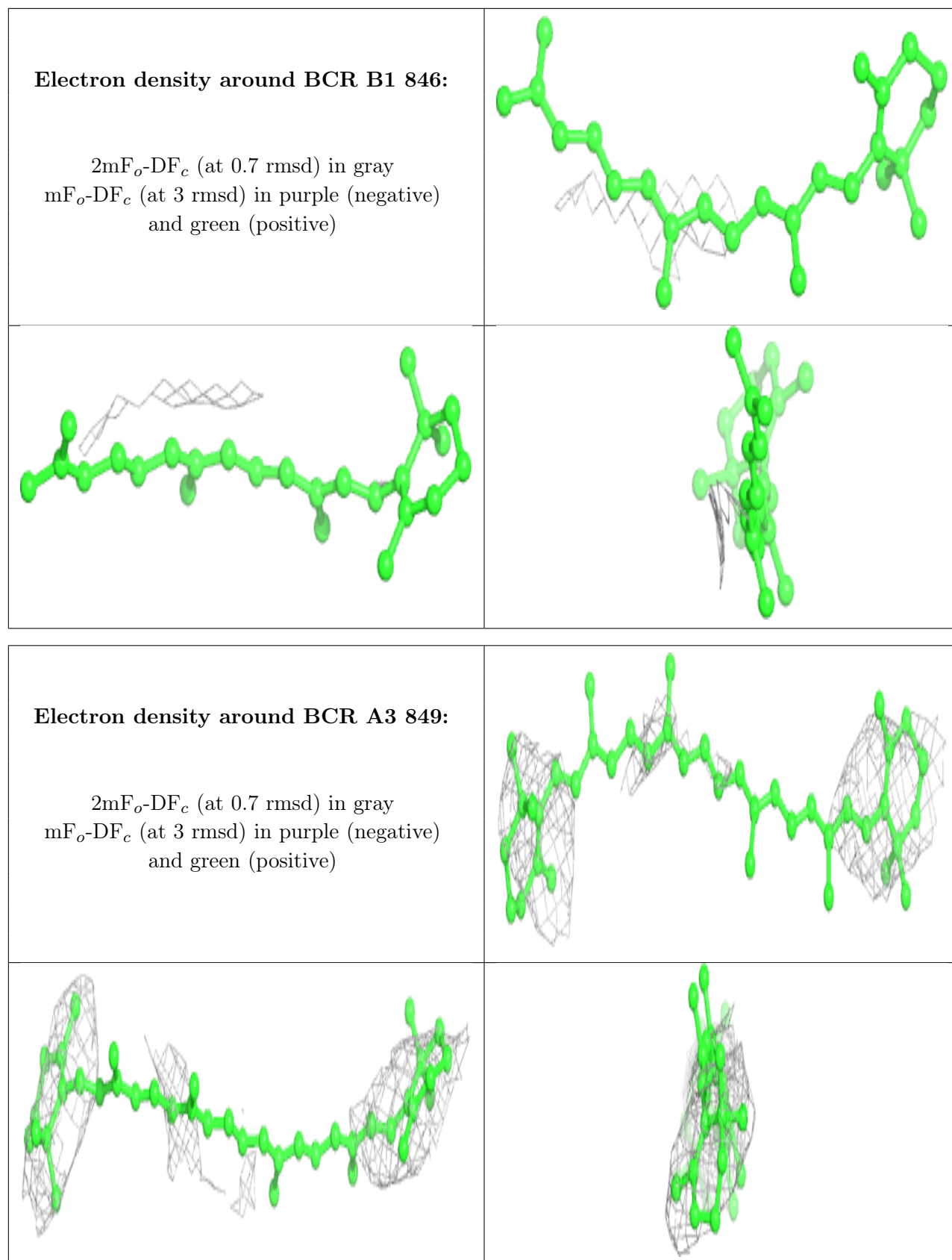
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around LHG X5 102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

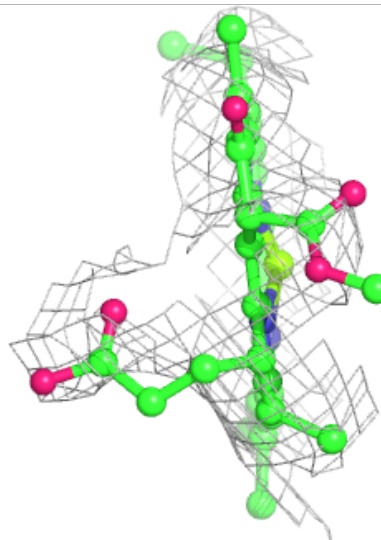
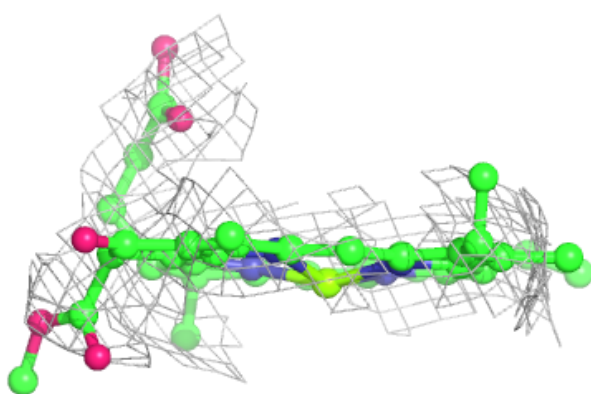
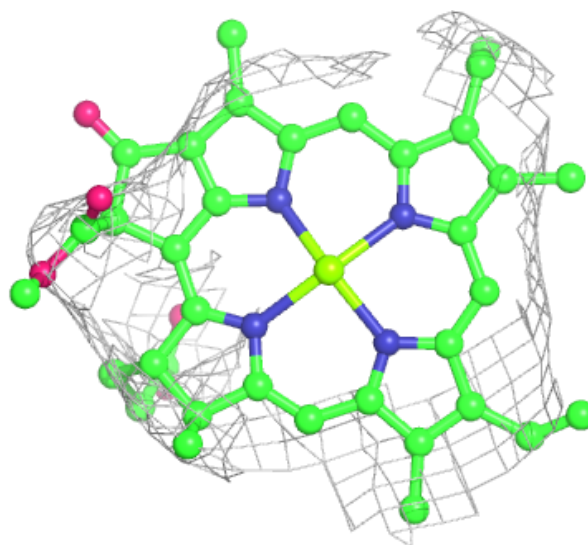






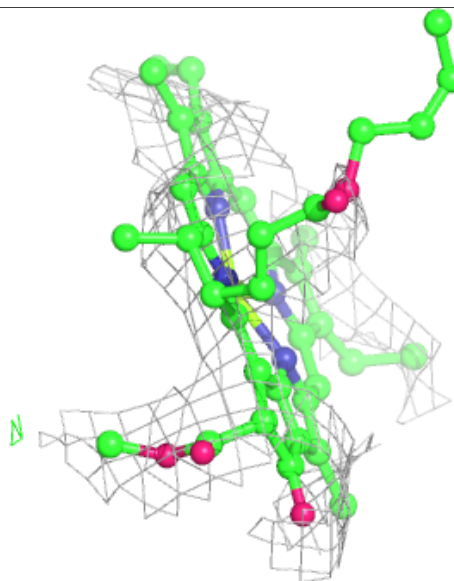
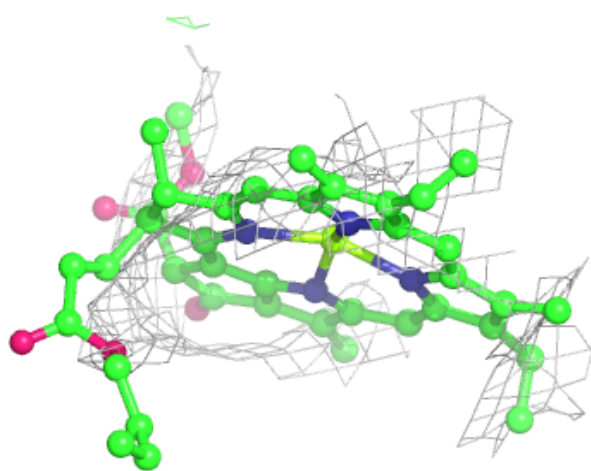
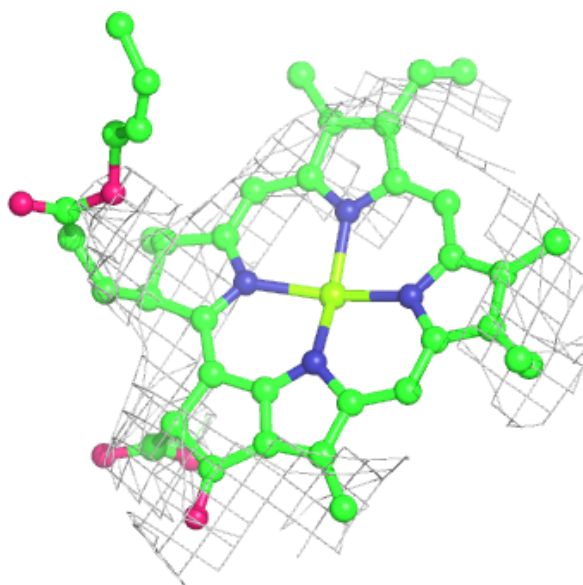
**Electron density around CLA A4 834:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



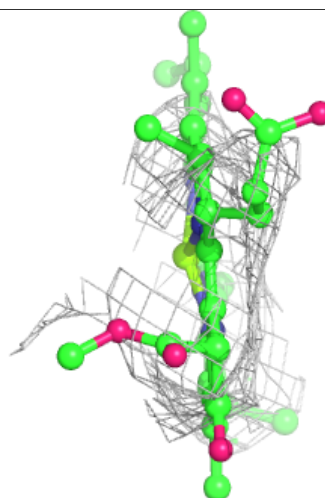
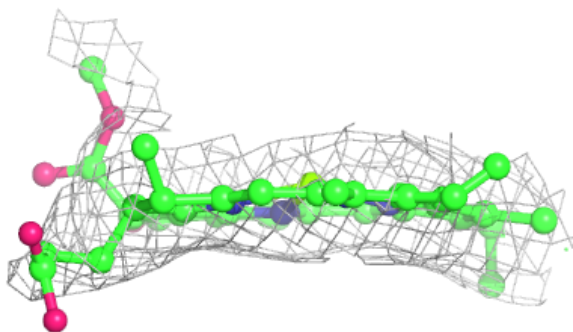
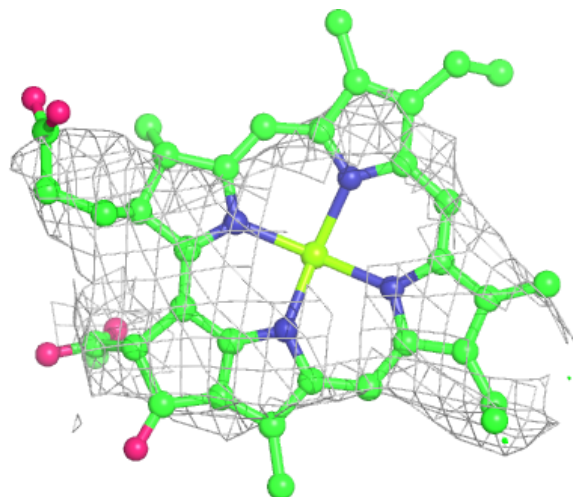
**Electron density around CLA A1 821:**

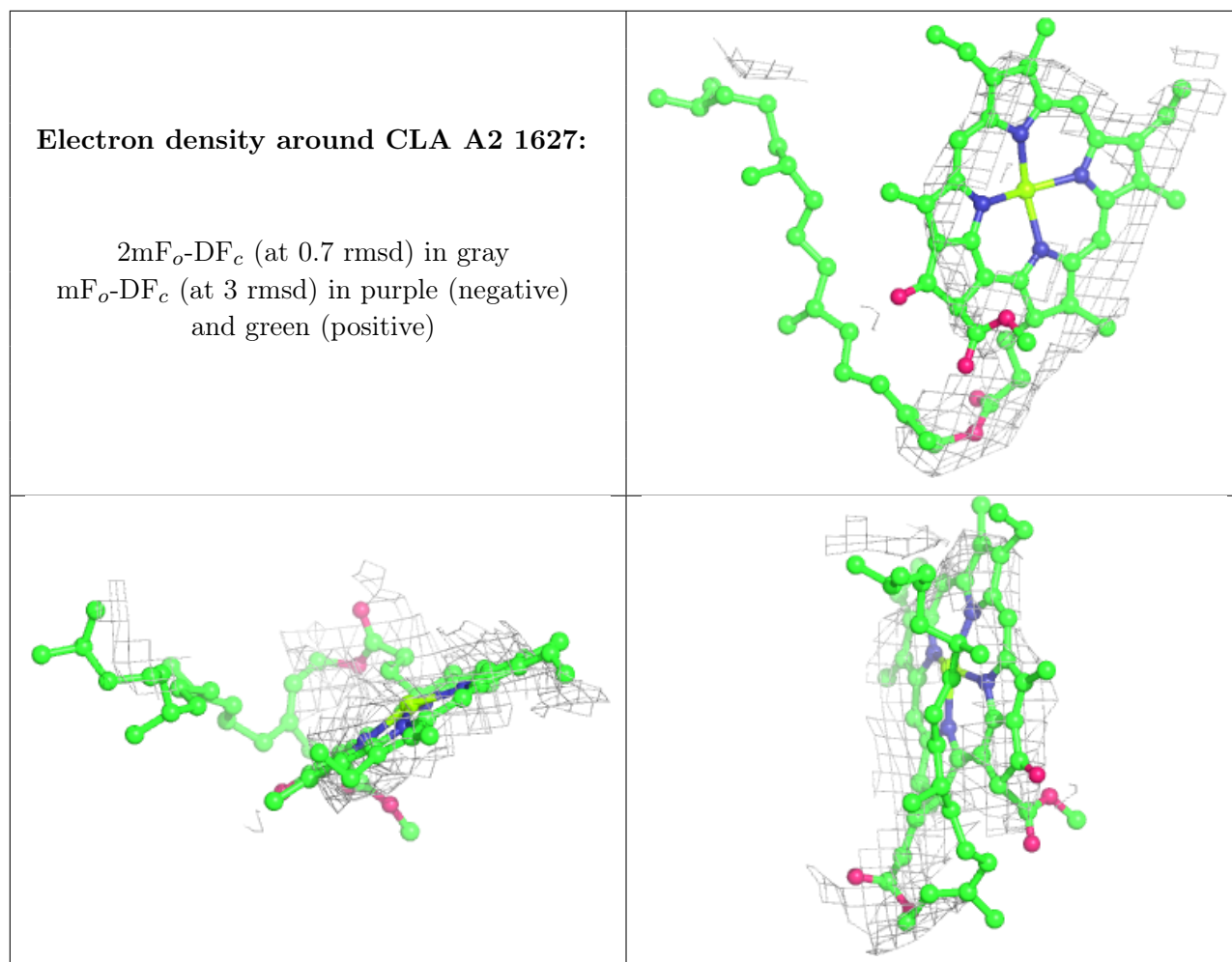
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA X3 102:**

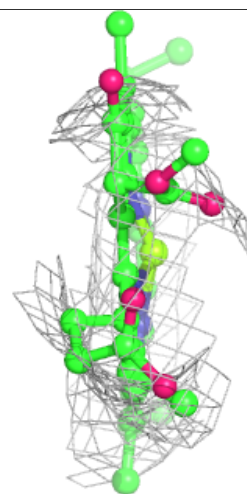
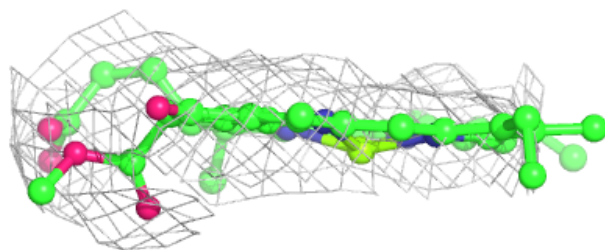
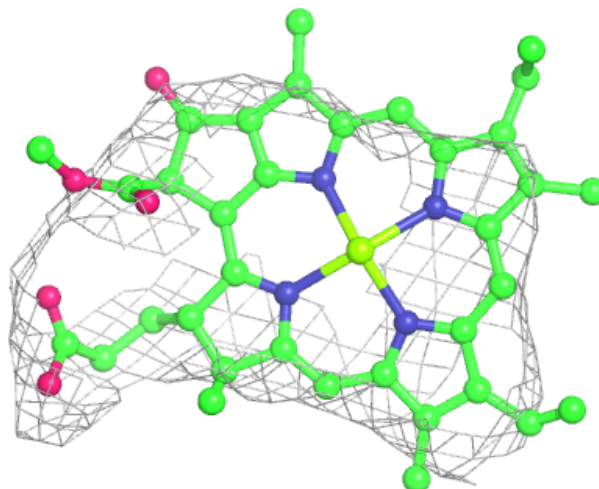
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





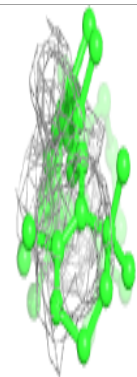
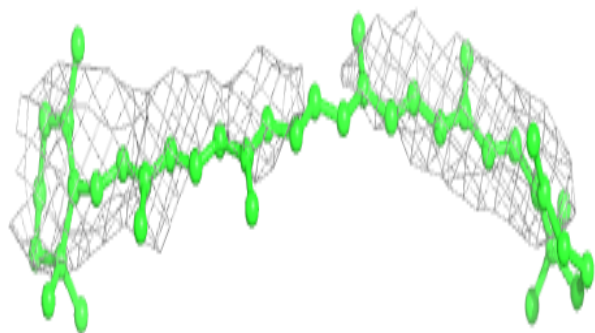
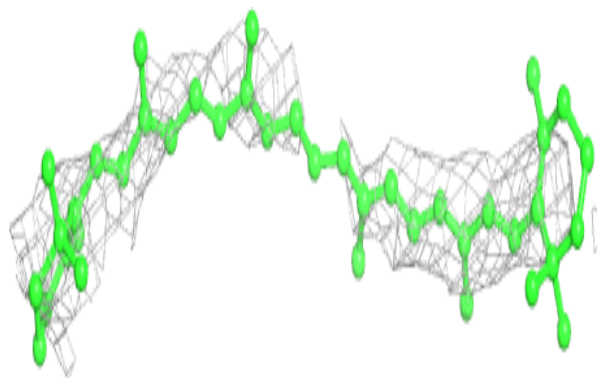
**Electron density around CLA F6 202:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

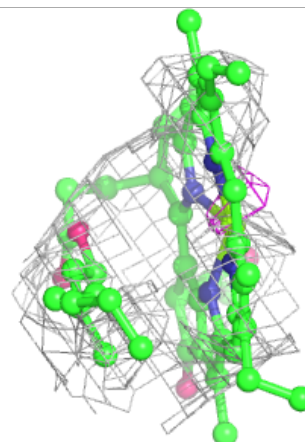
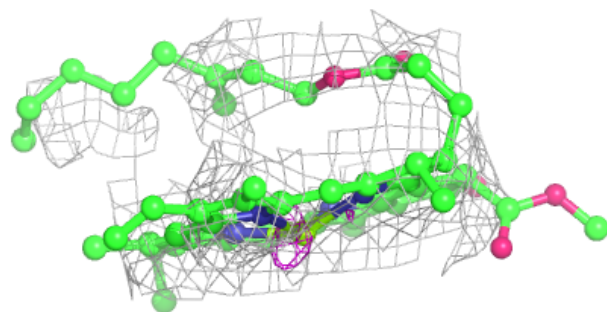
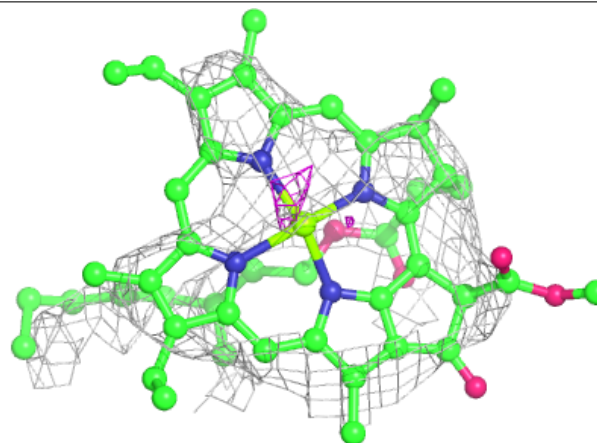


**Electron density around BCR I5 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

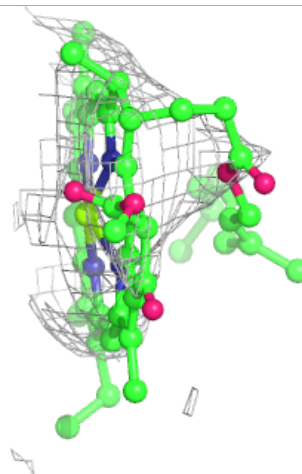
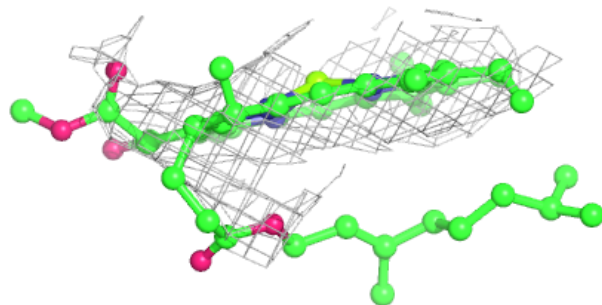
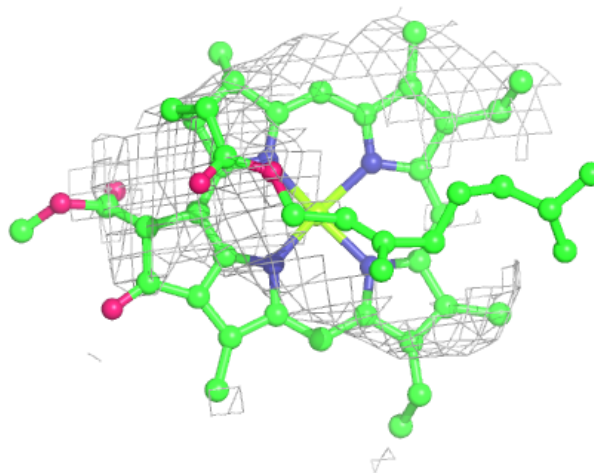
**Electron density around CLA A1 816:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B2 821:**

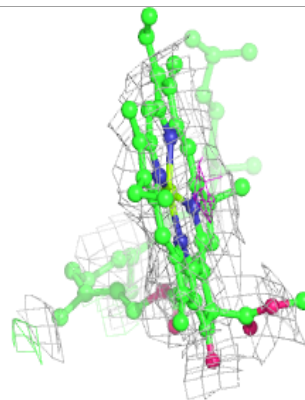
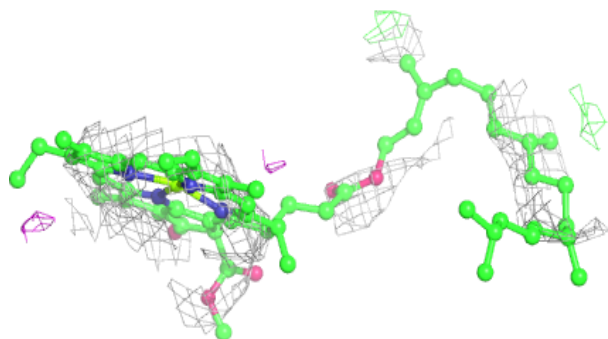
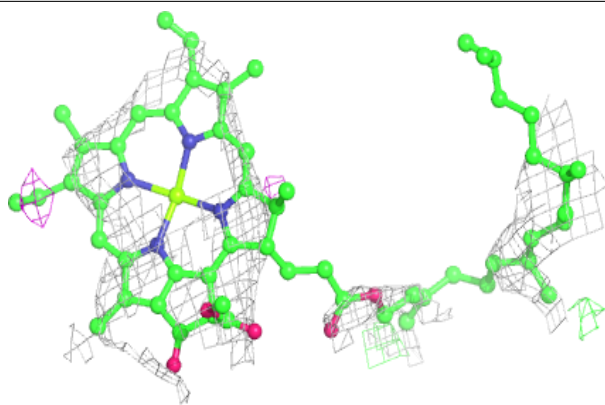
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



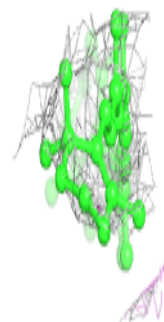
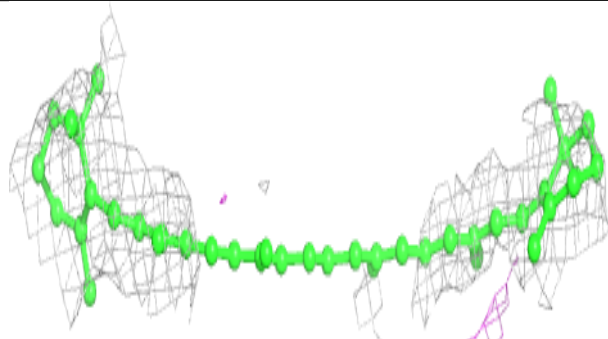
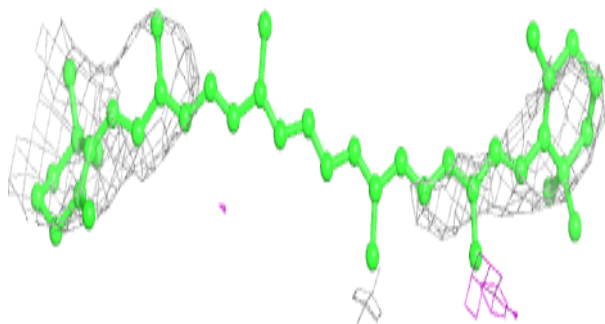


**Electron density around CLA A1 826:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

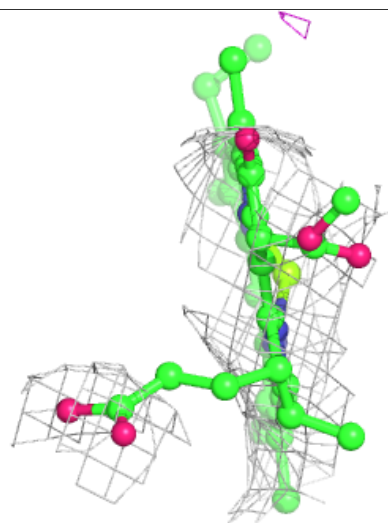
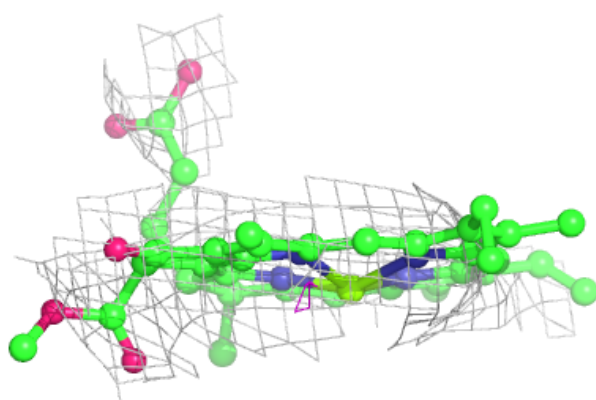
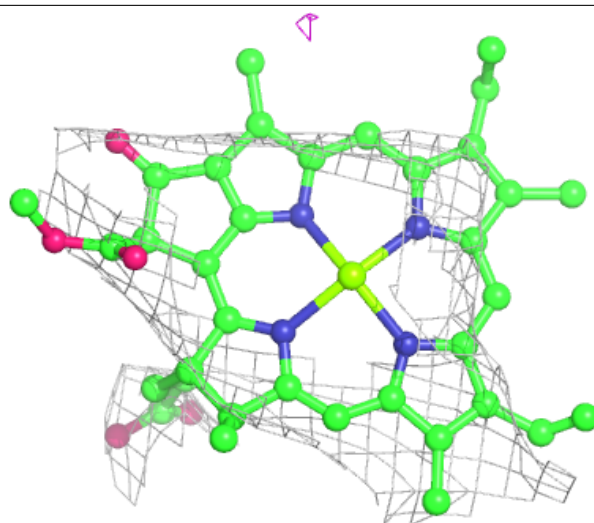
**Electron density around BCR A3 847:**

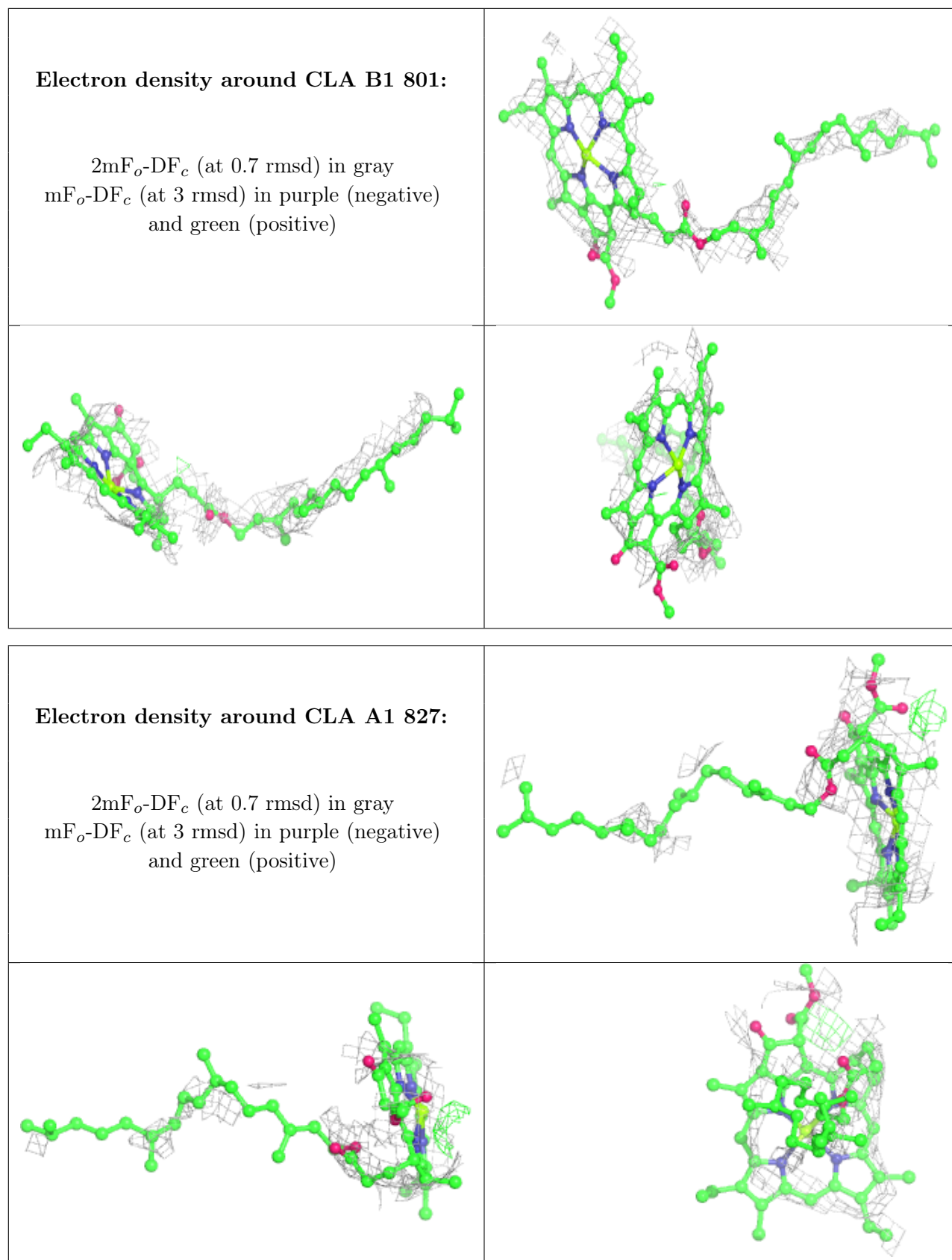
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B5 1813:**

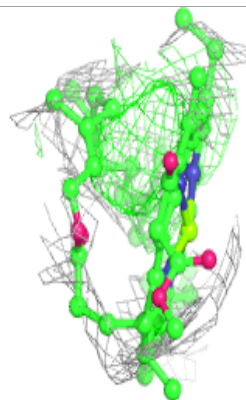
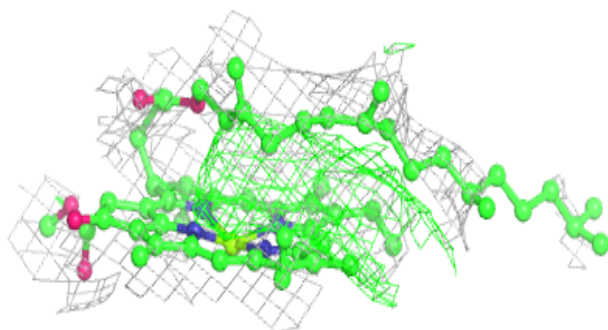
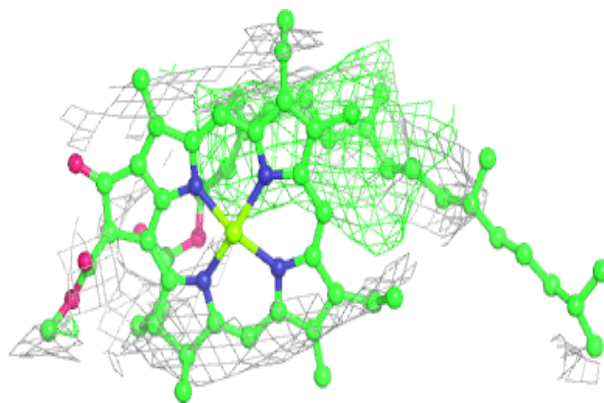
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



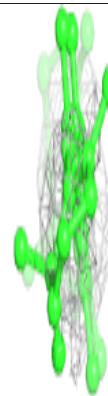
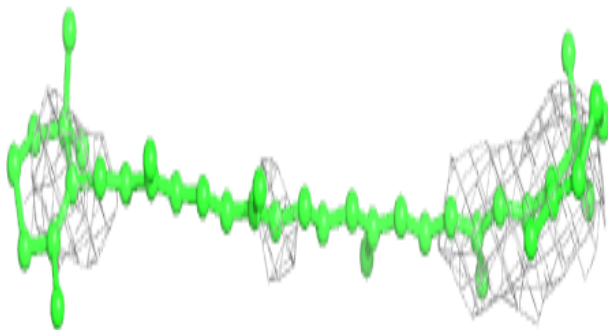
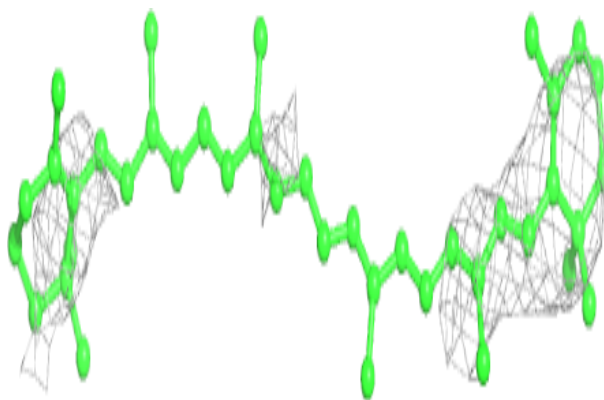


**Electron density around CLA B1 803:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

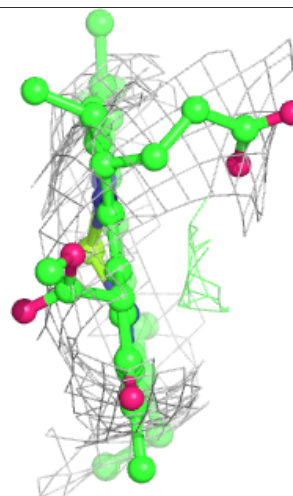
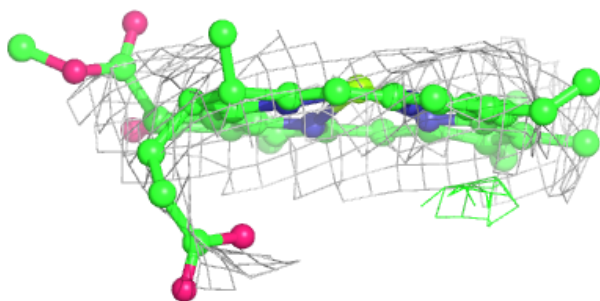
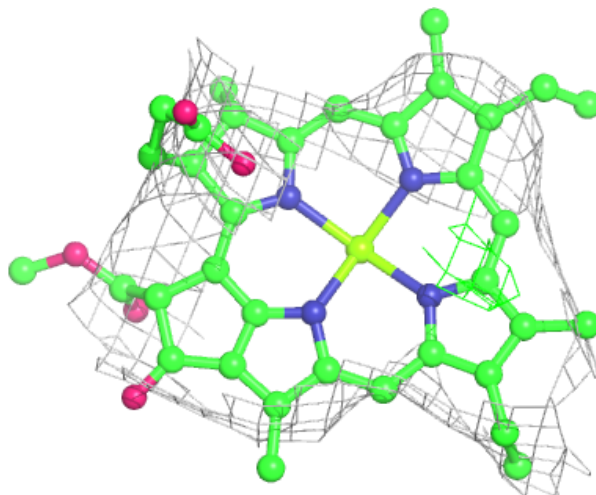
**Electron density around BCR J6 1104:**

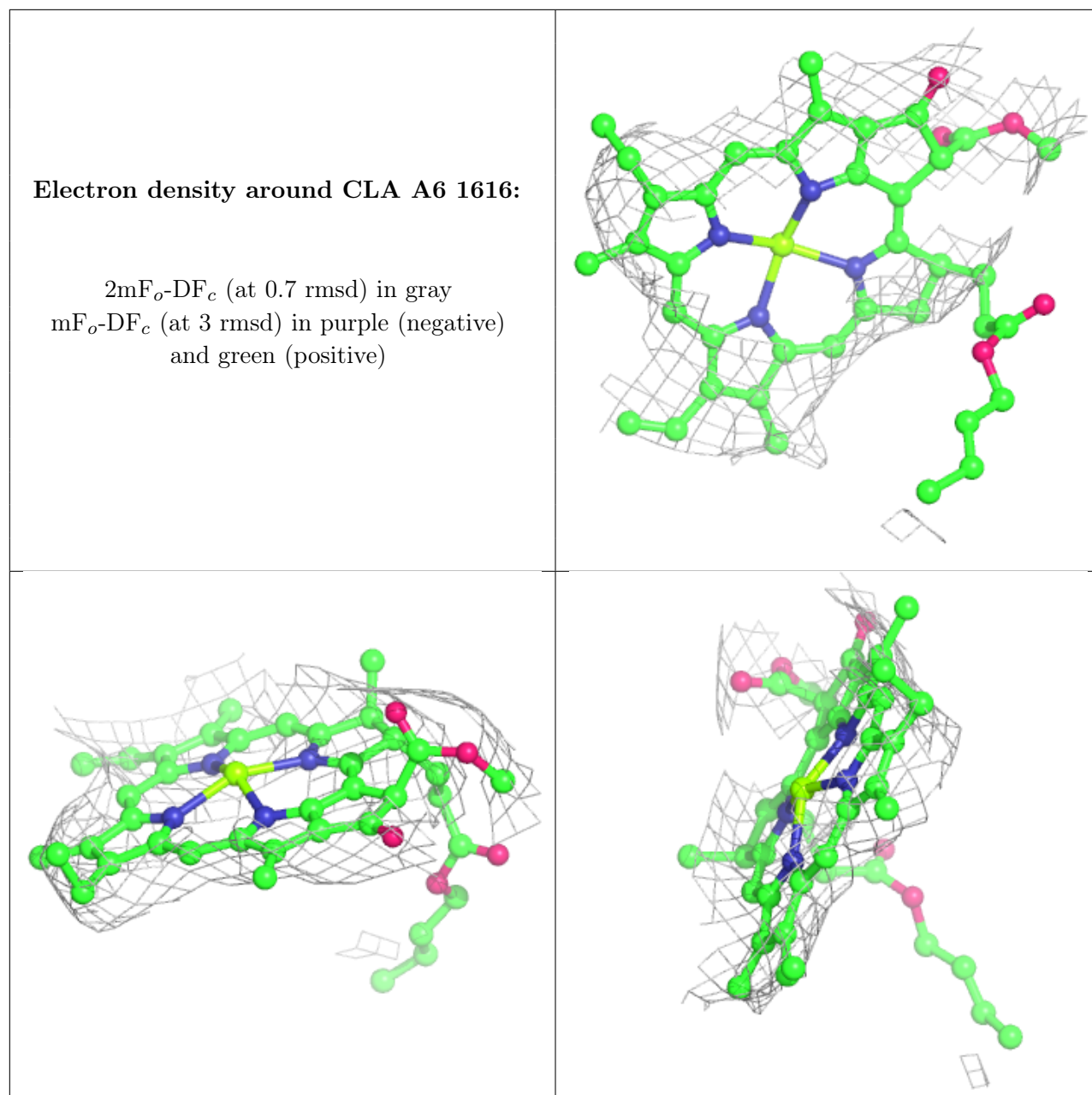
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A6 1610:**

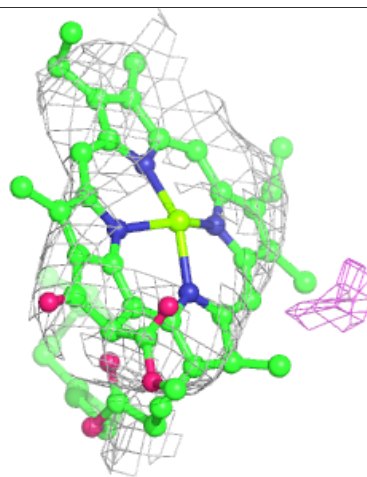
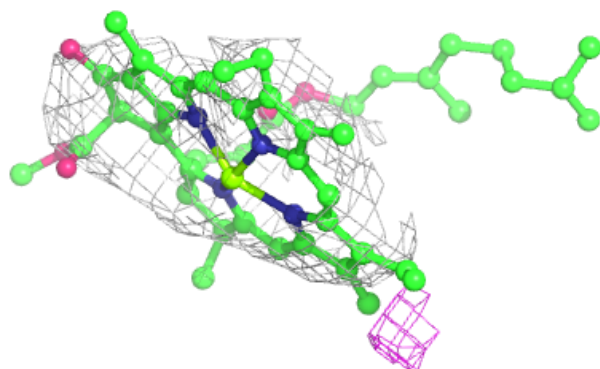
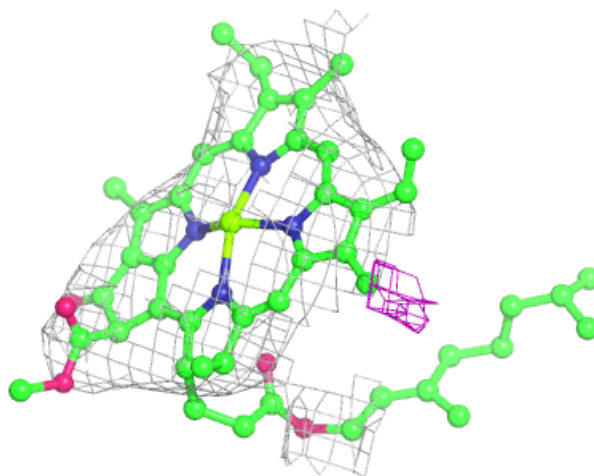
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





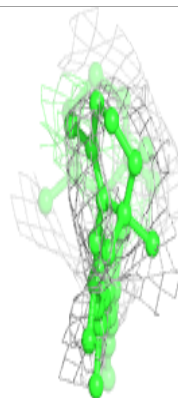
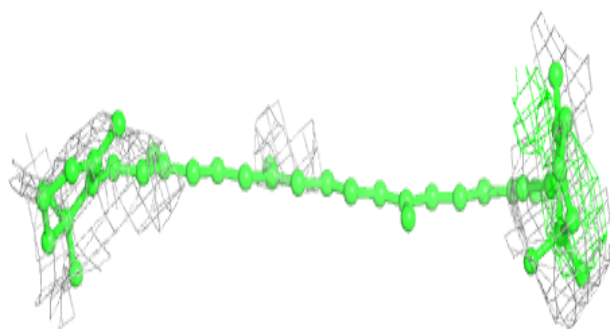
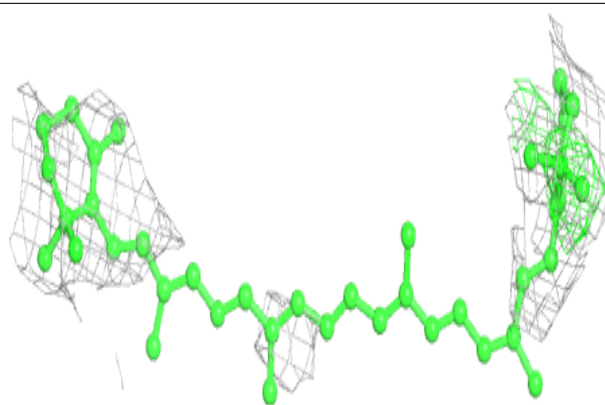
**Electron density around CLA B6 816:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

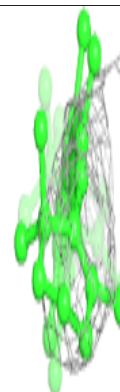
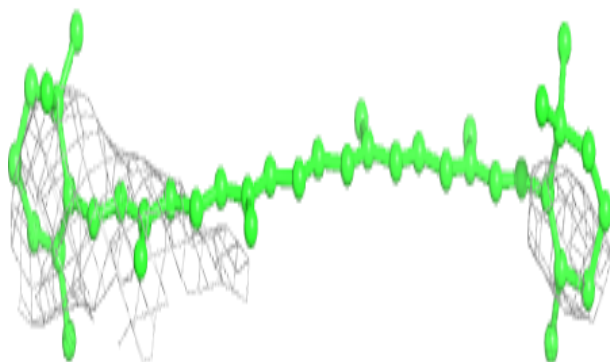
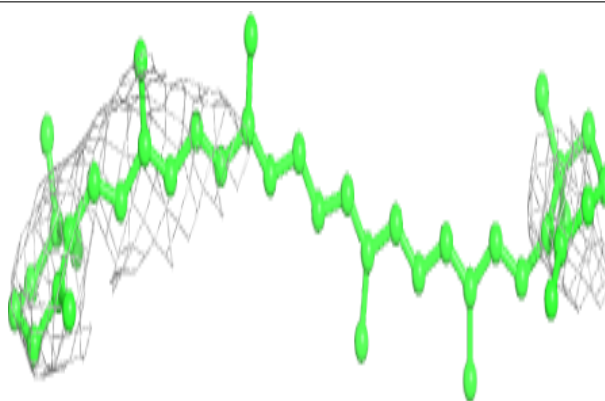


**Electron density around BCR I4 102:**

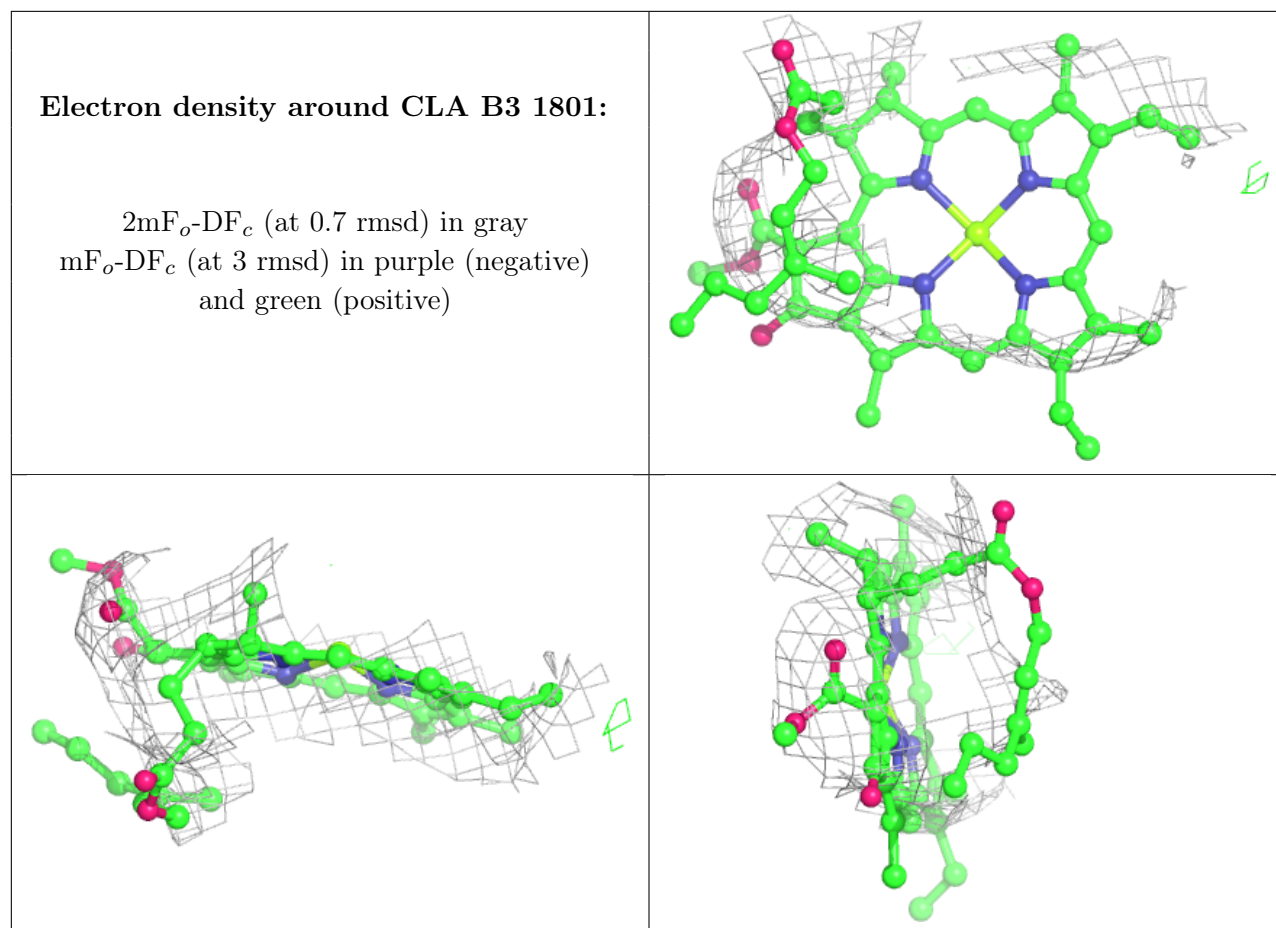
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR A5 846:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

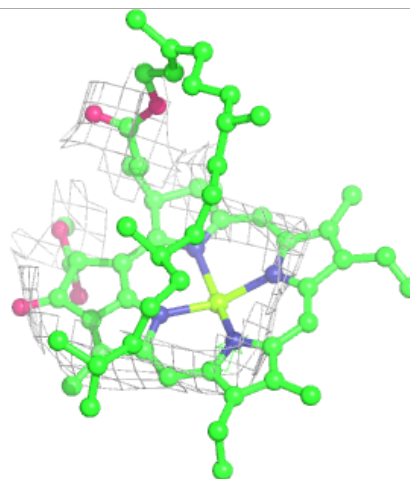
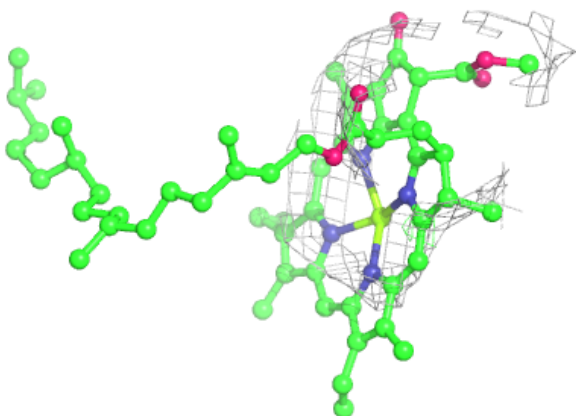
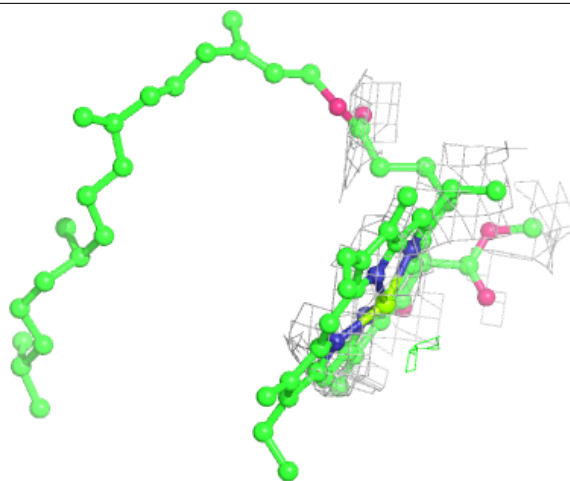


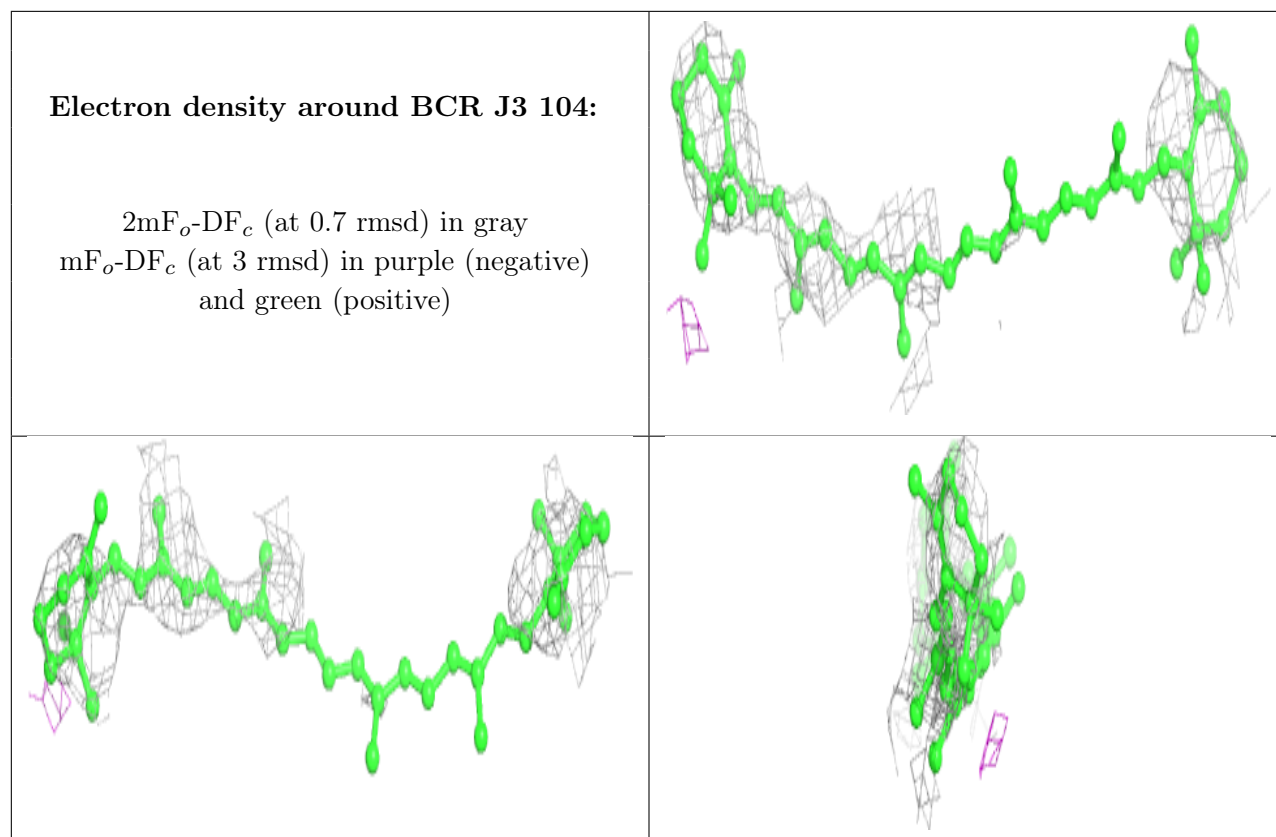




**Electron density around CLA B4 821:**

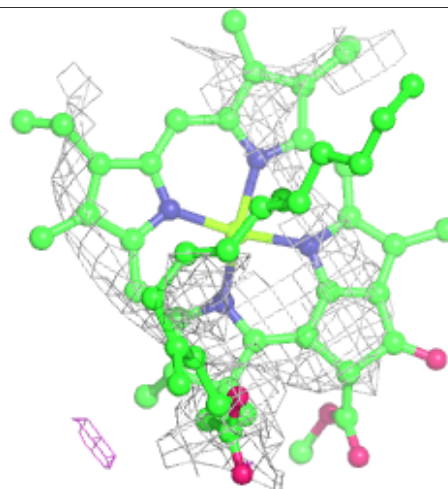
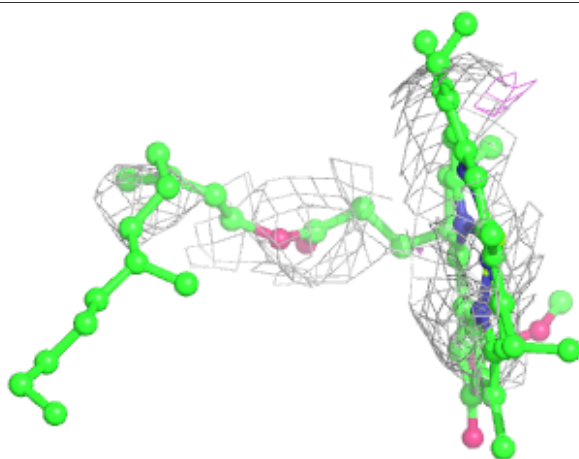
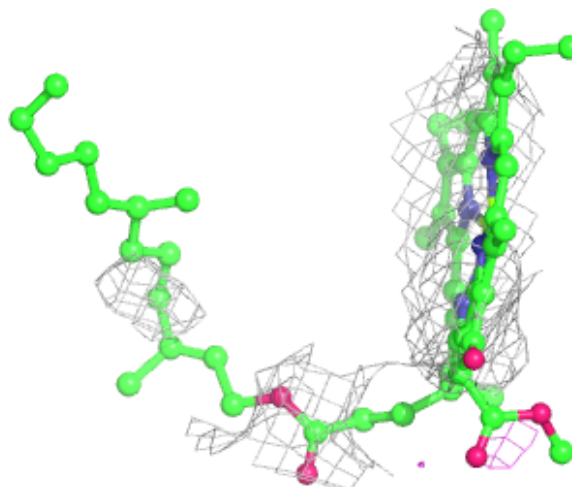
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

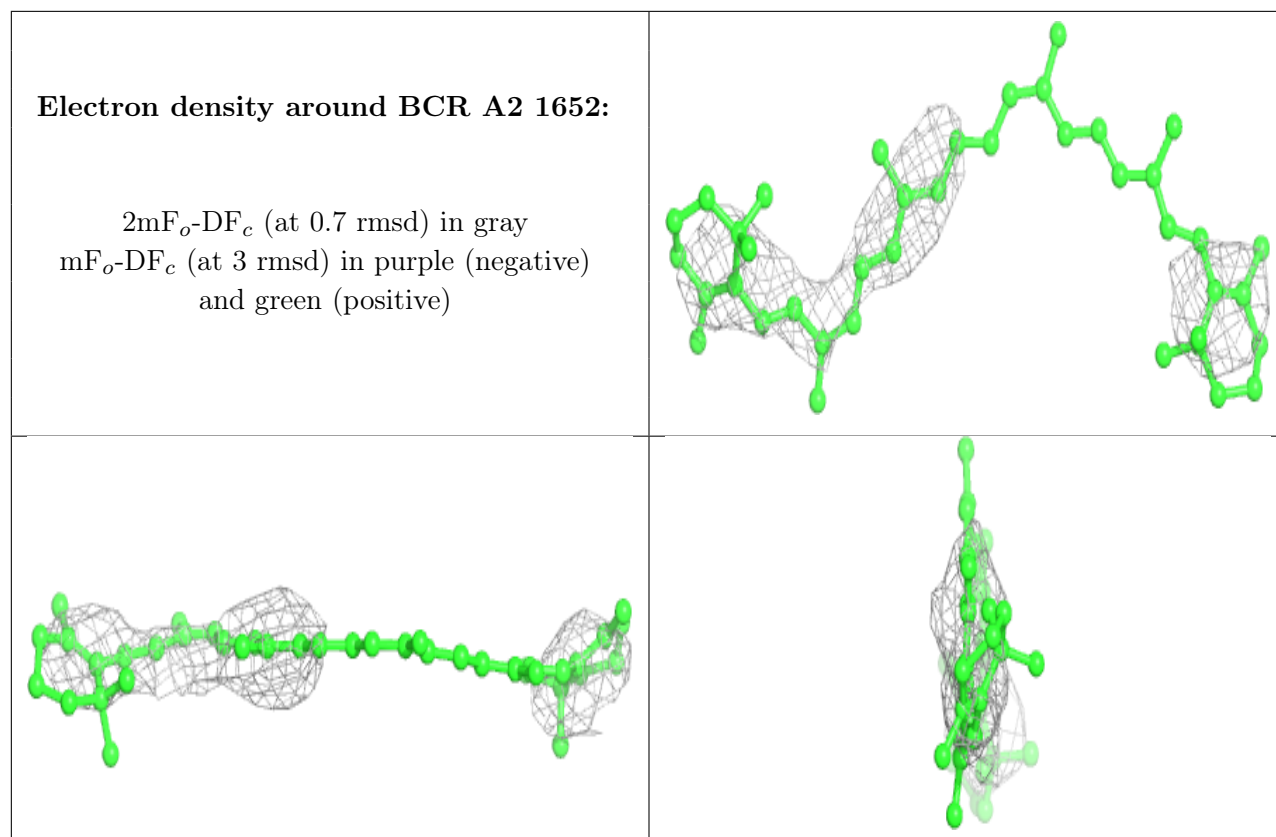




**Electron density around CLA A2 1606:**

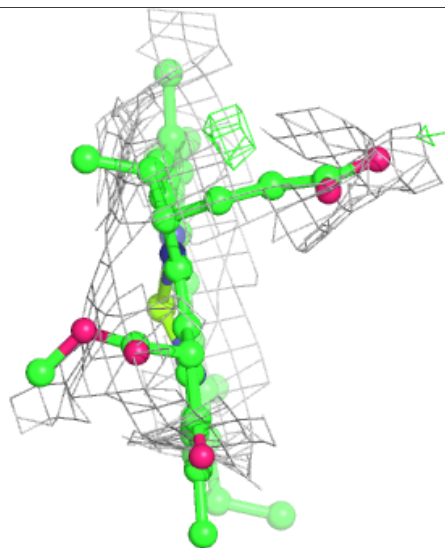
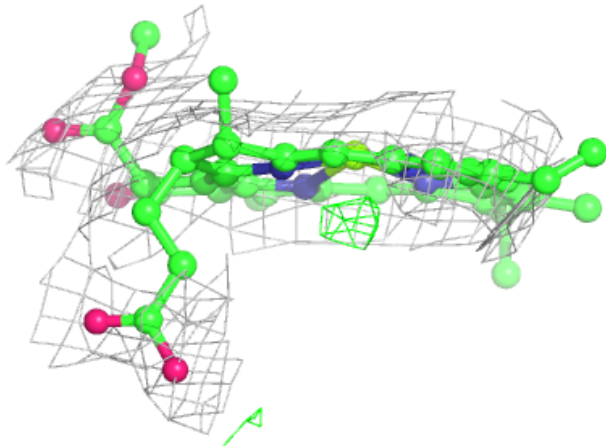
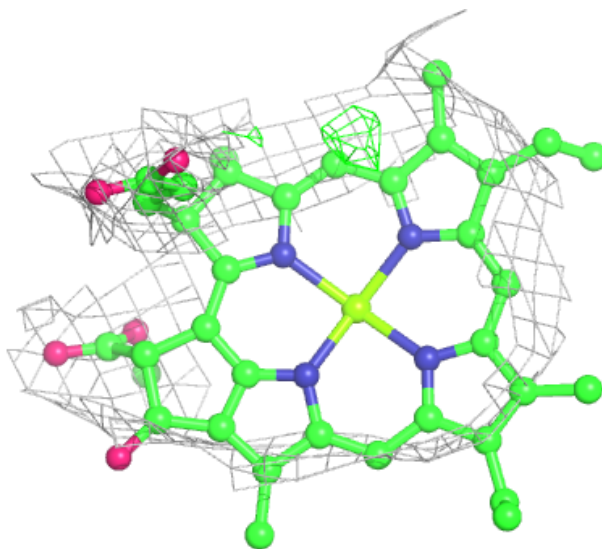
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





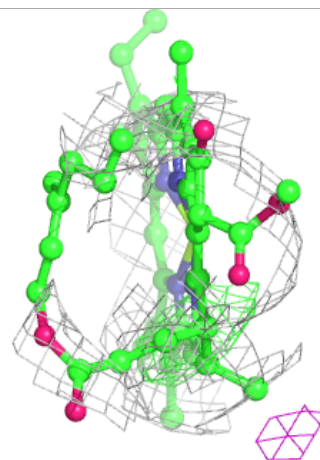
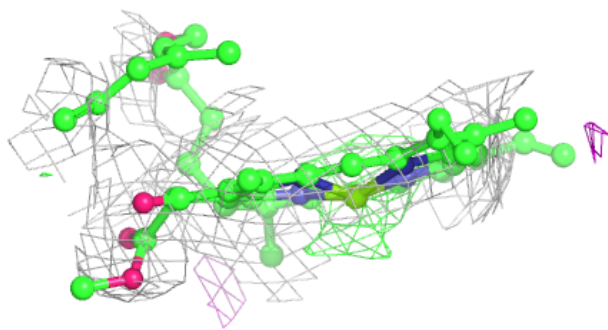
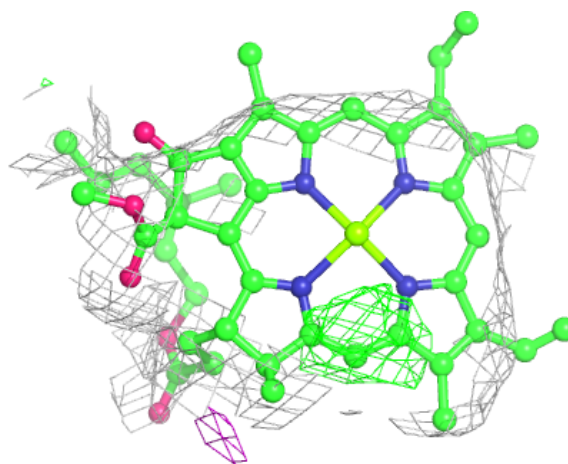
**Electron density around CLA B5 1836:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



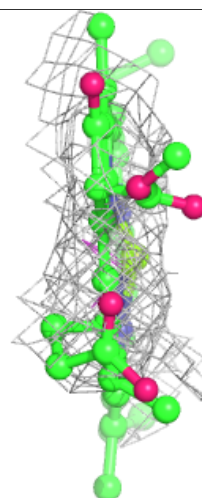
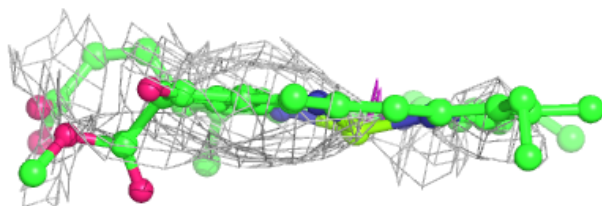
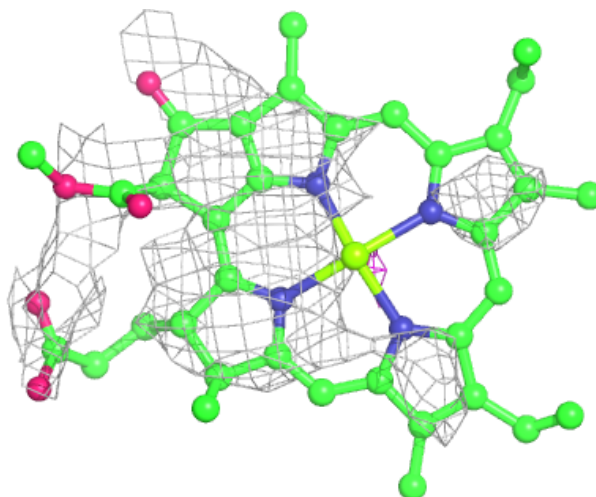
**Electron density around CLA B1 853:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA F5 1301:**

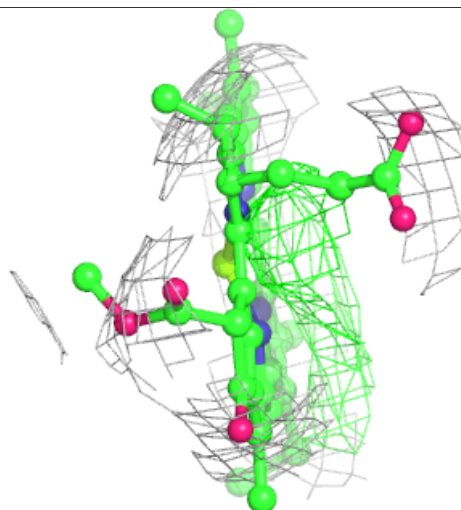
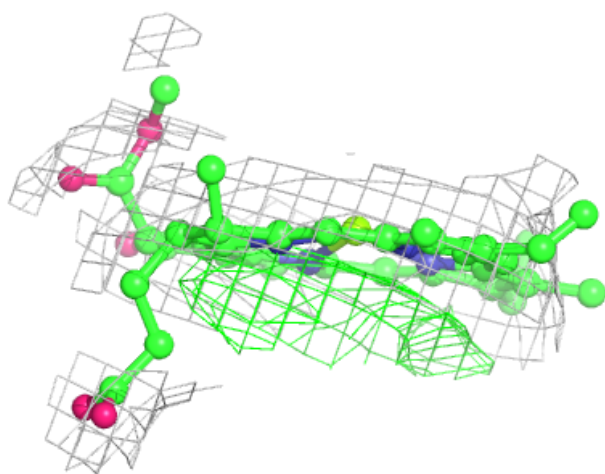
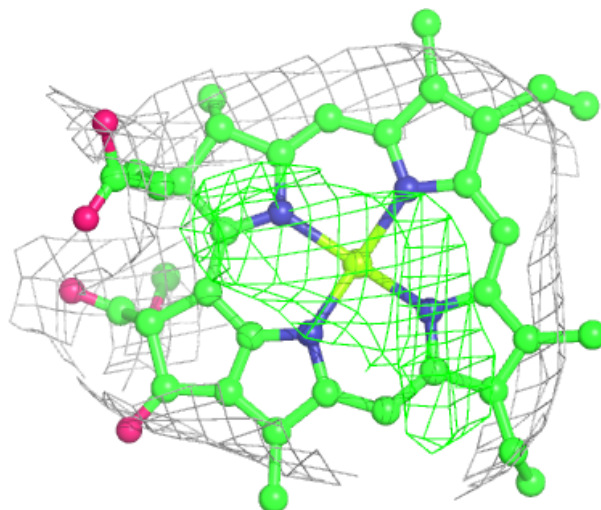
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

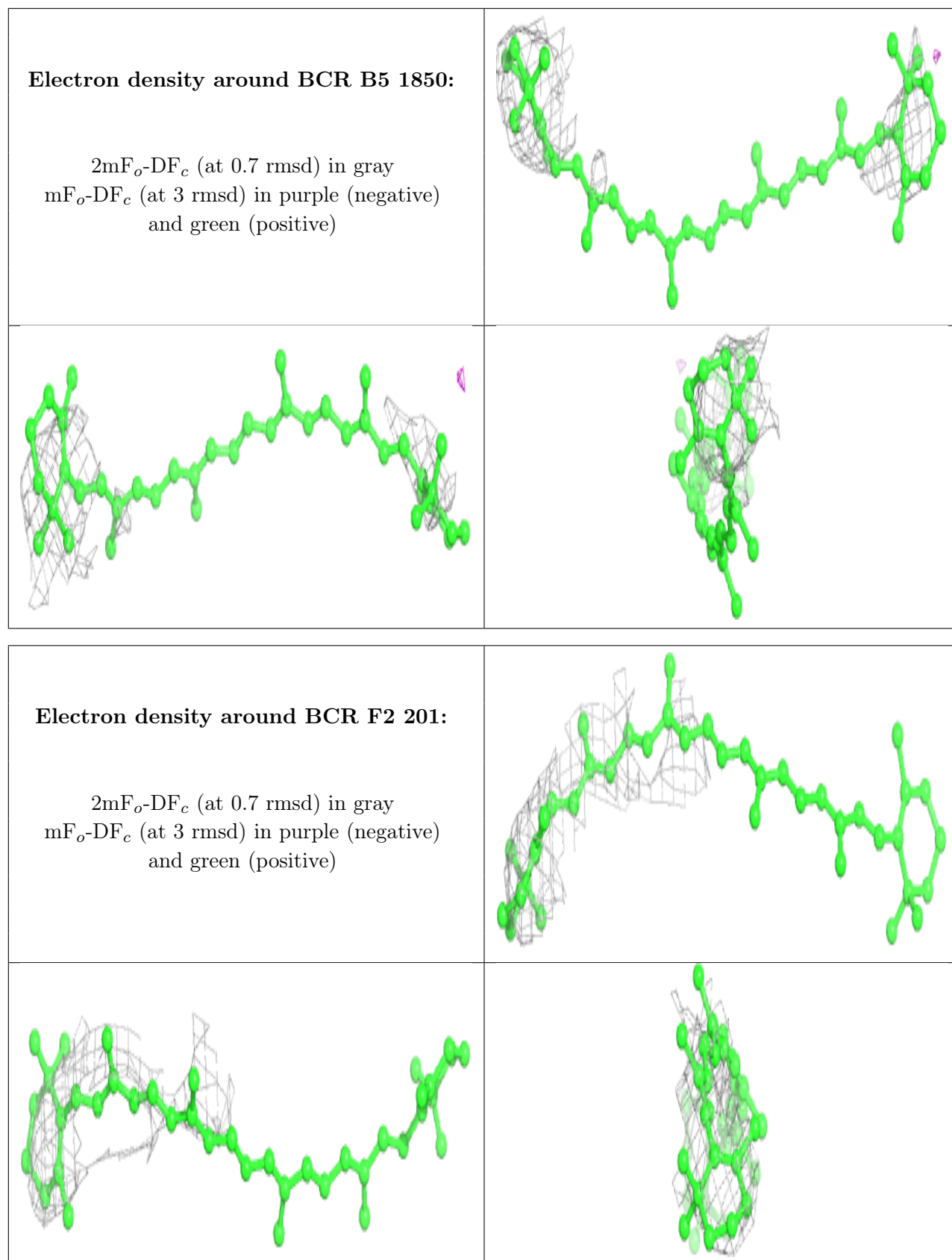




**Electron density around CLA K6 1401:**

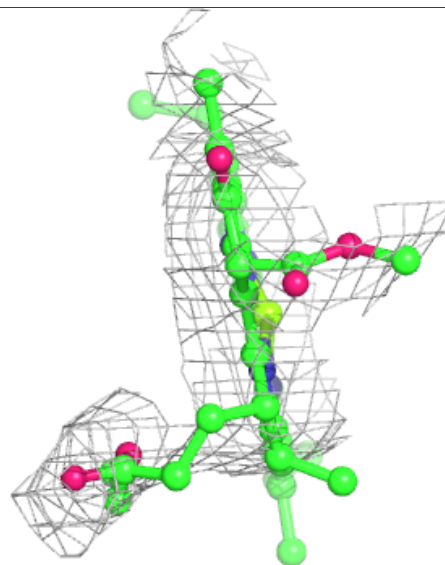
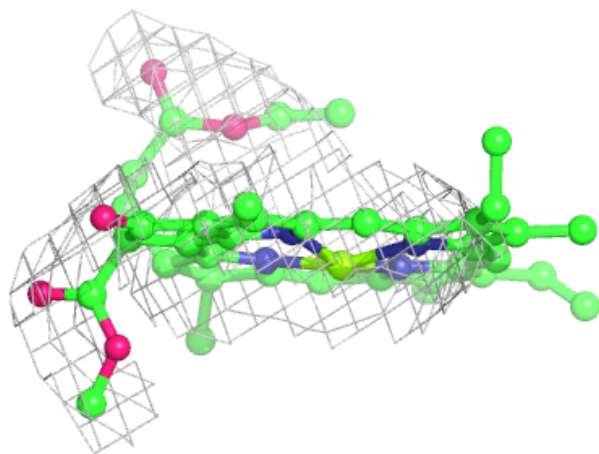
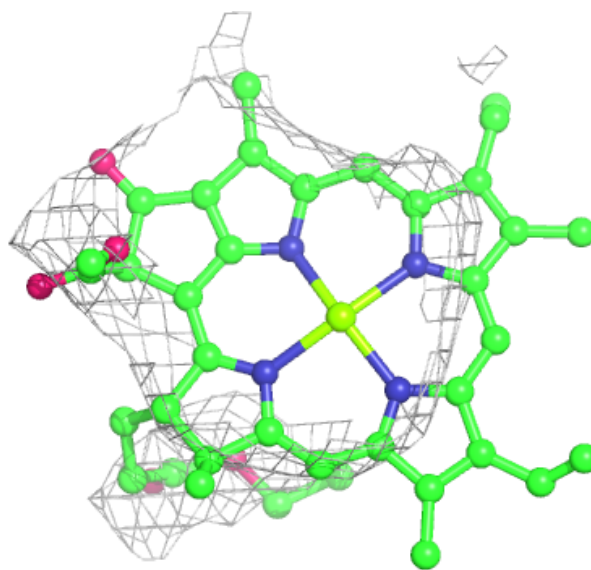
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





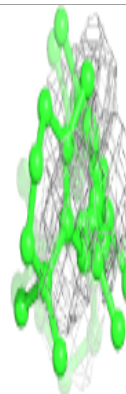
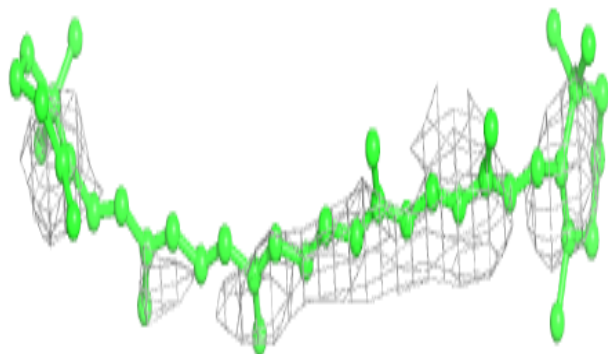
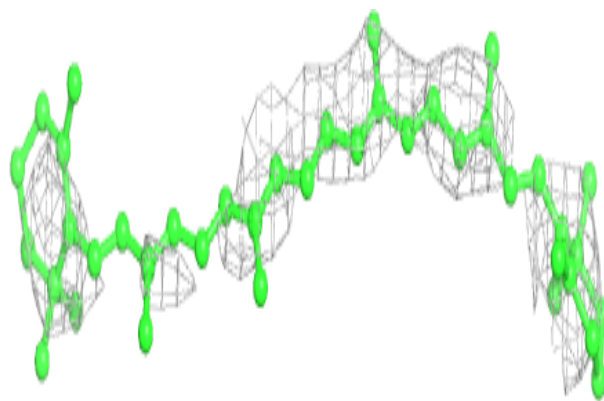
**Electron density around CLA B4 822:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

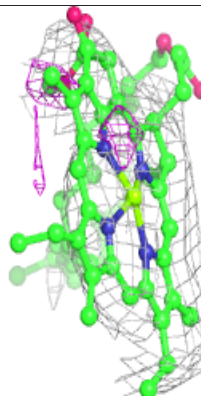
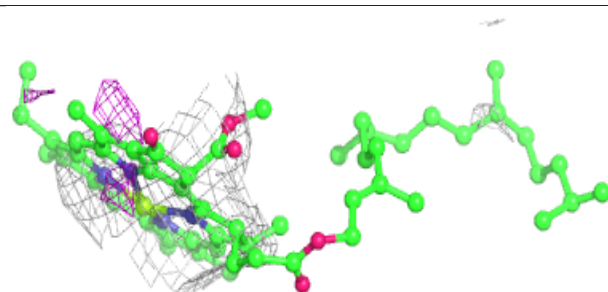
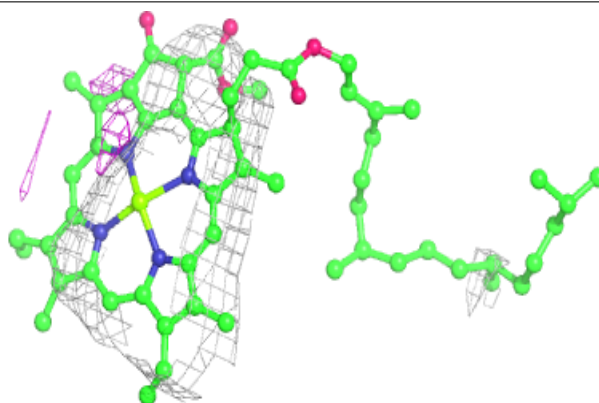


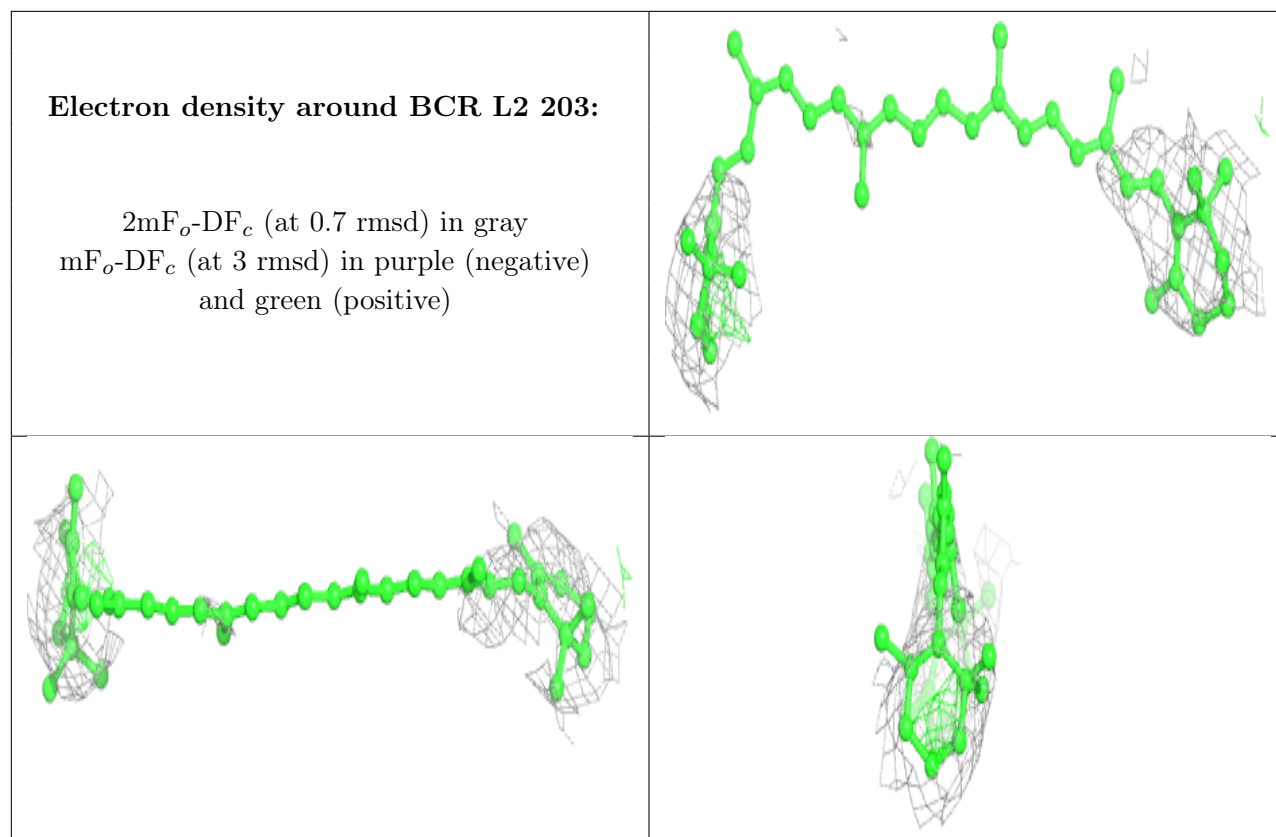
**Electron density around BCR I2 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A2 1605:**

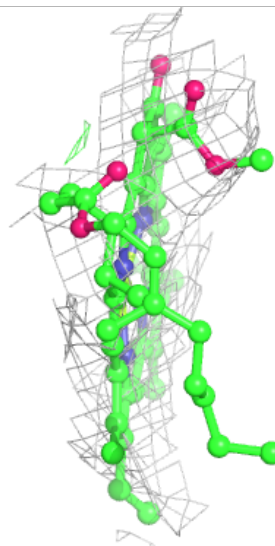
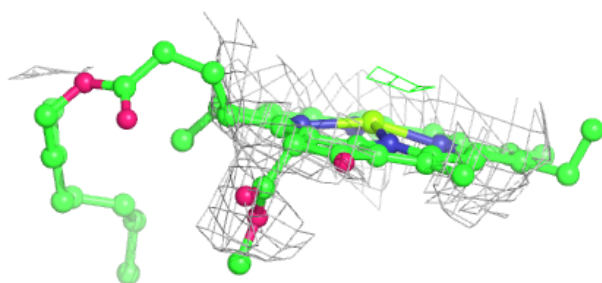
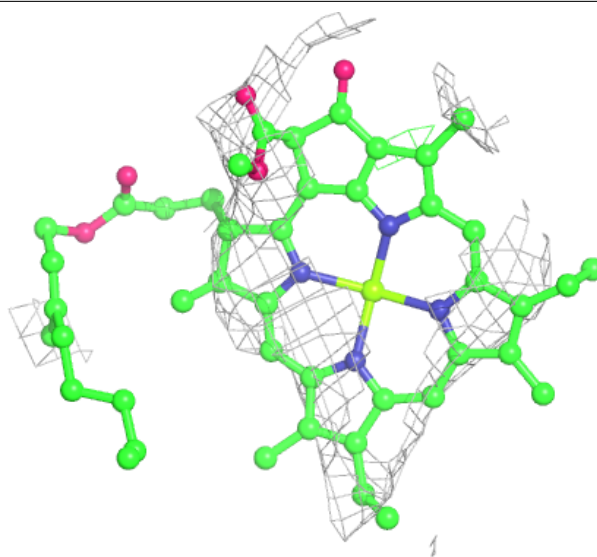
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





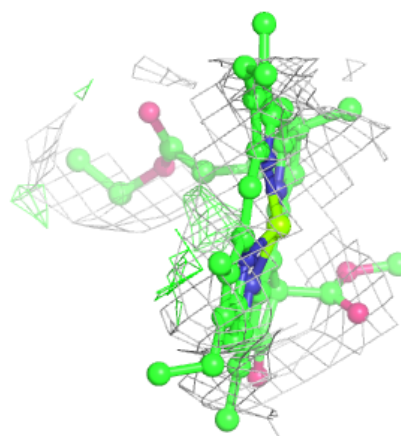
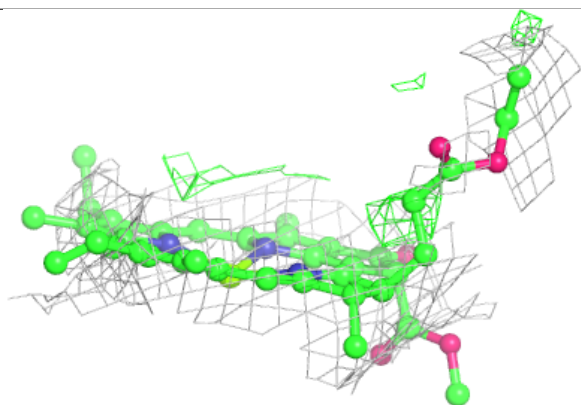
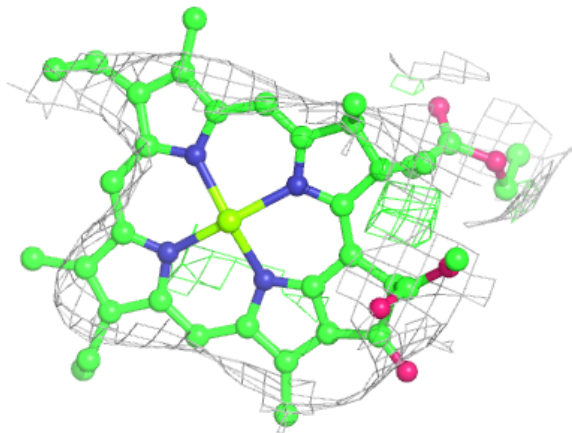
**Electron density around CLA B5 1826:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



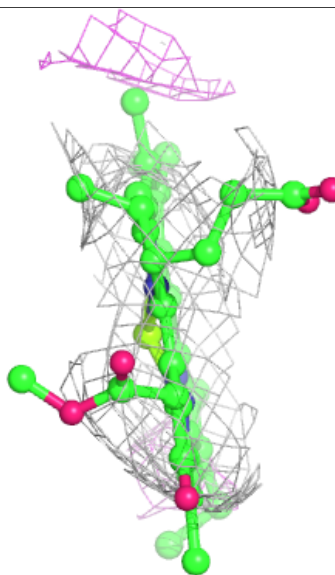
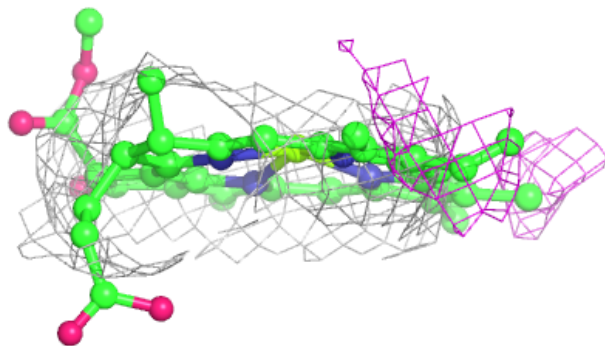
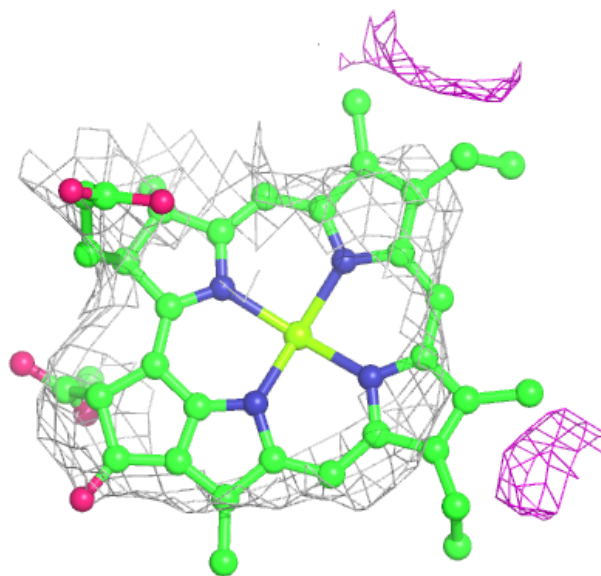
**Electron density around CLA A1 836:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

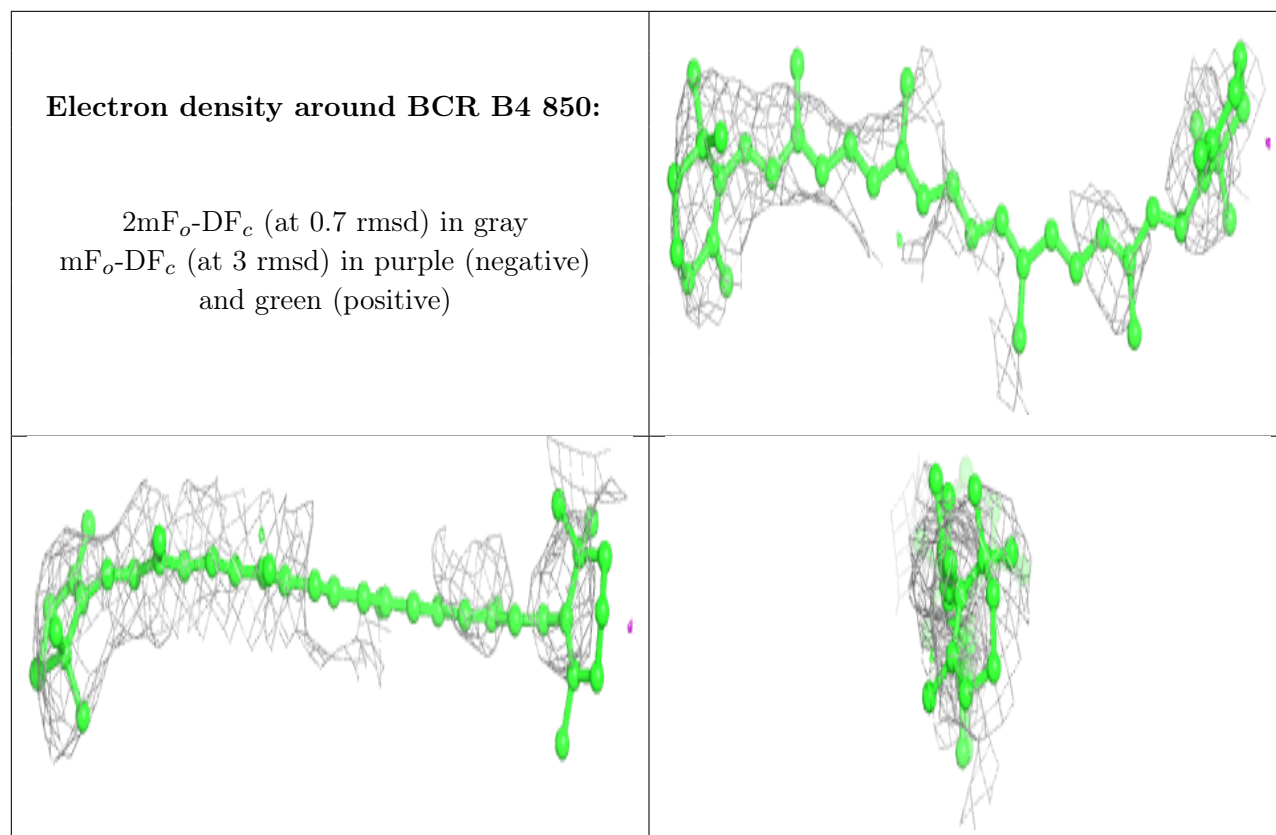


**Electron density around CLA B5 1832:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

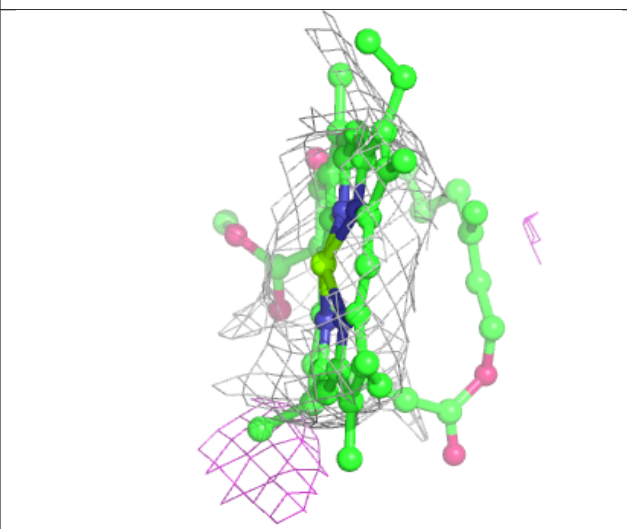
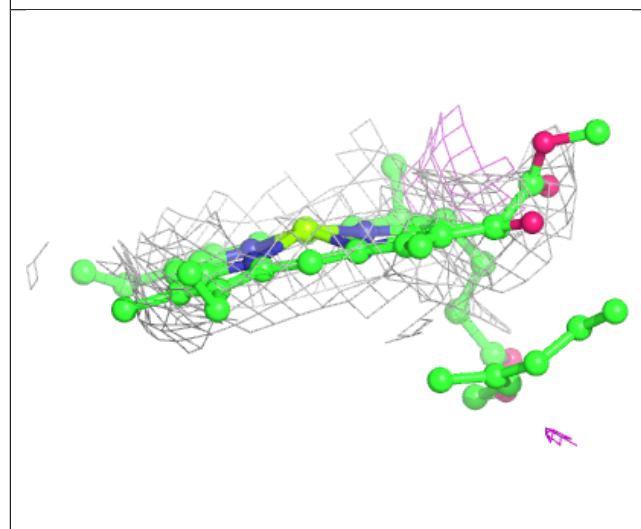
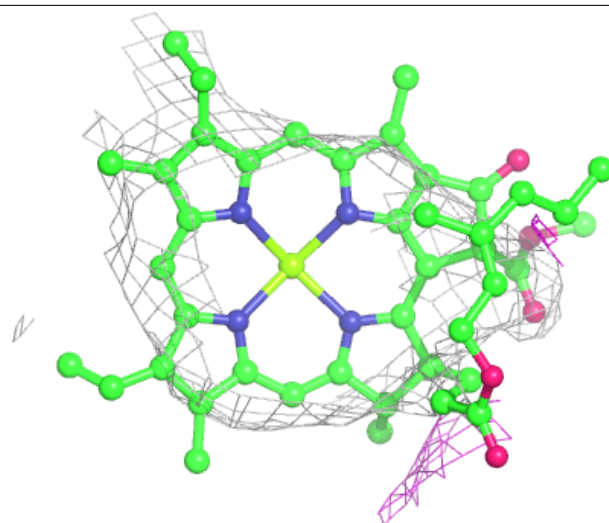






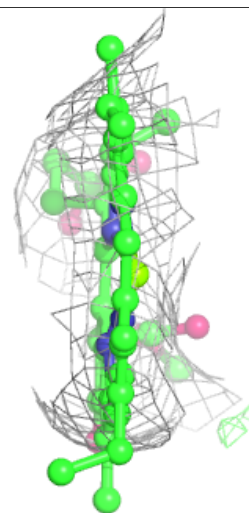
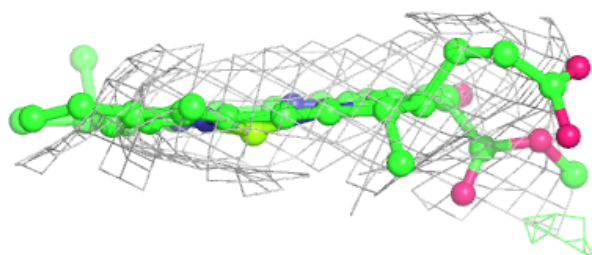
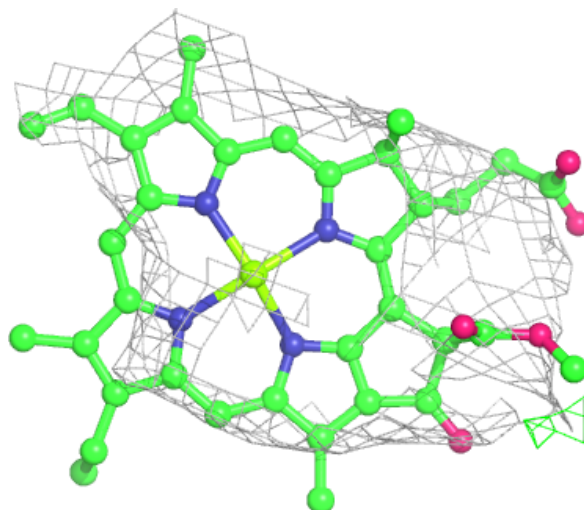
**Electron density around CLA B5 1801:**

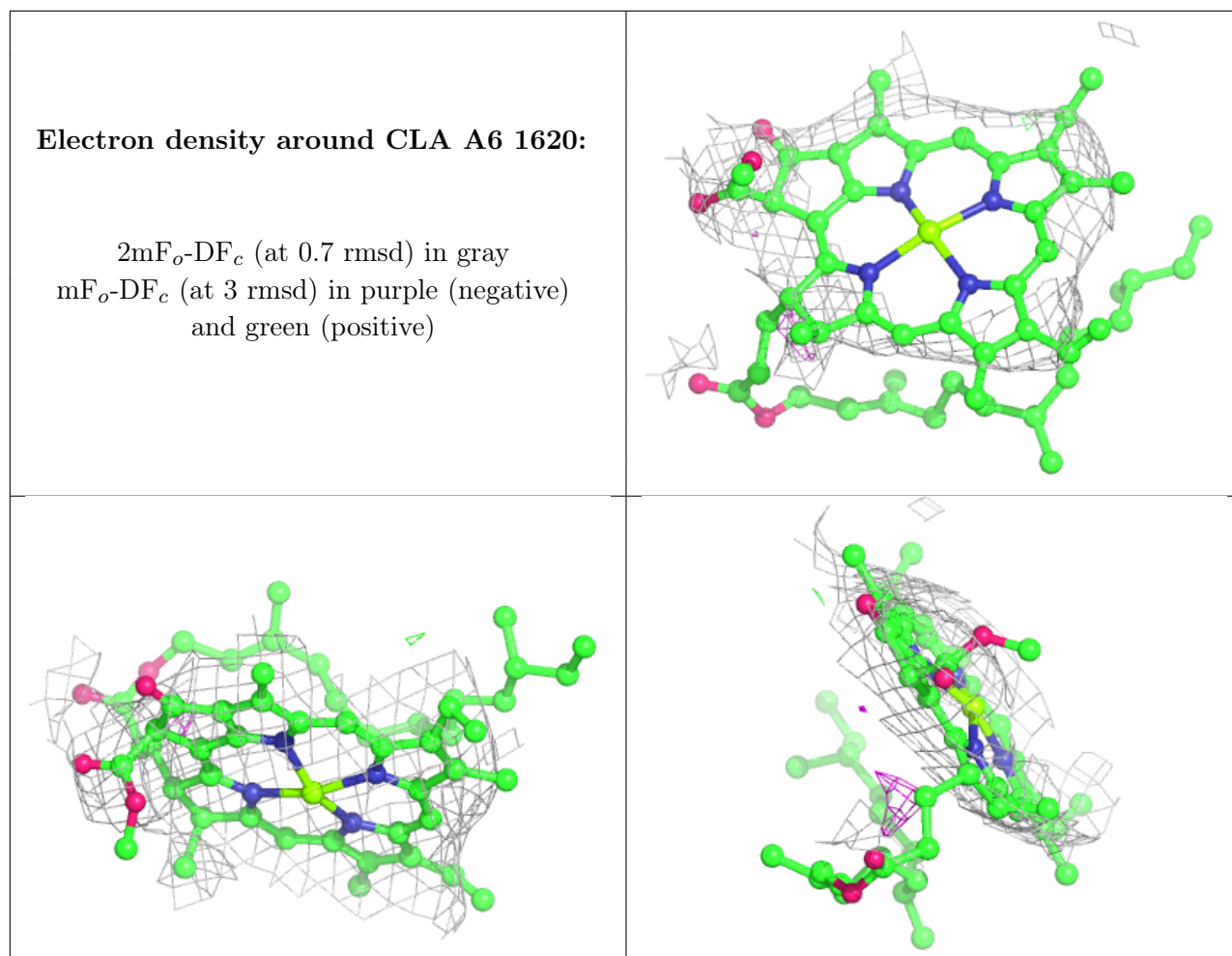
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B5 1838:**

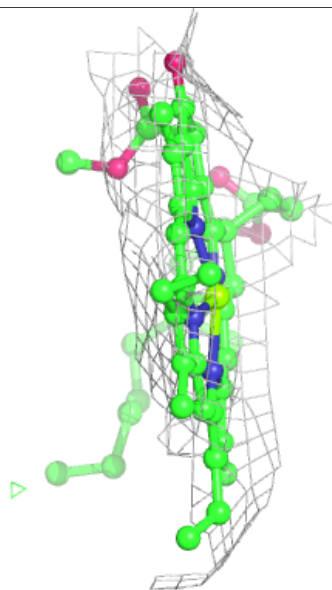
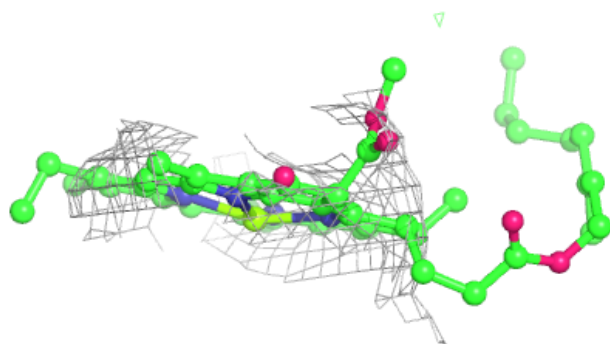
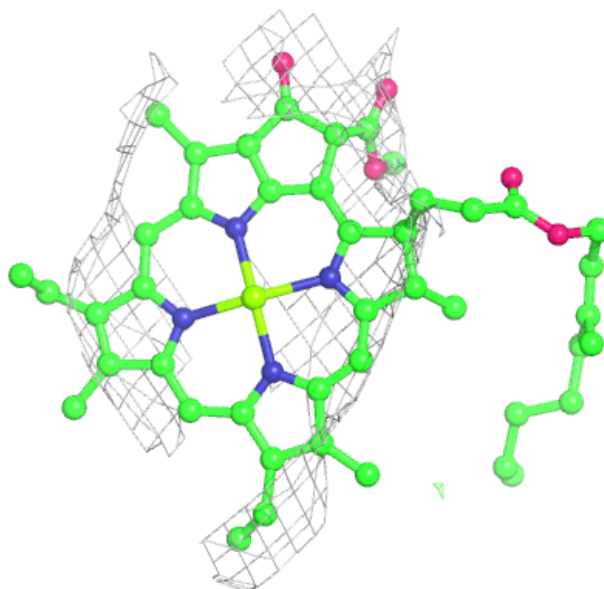
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





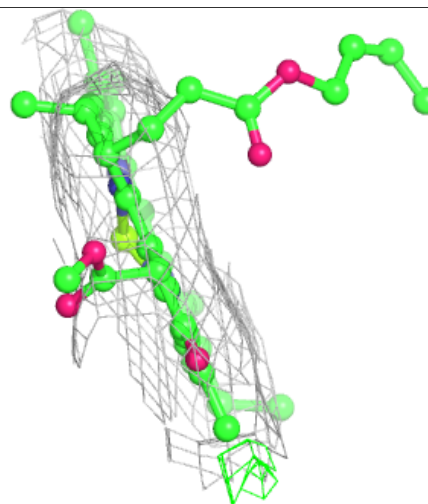
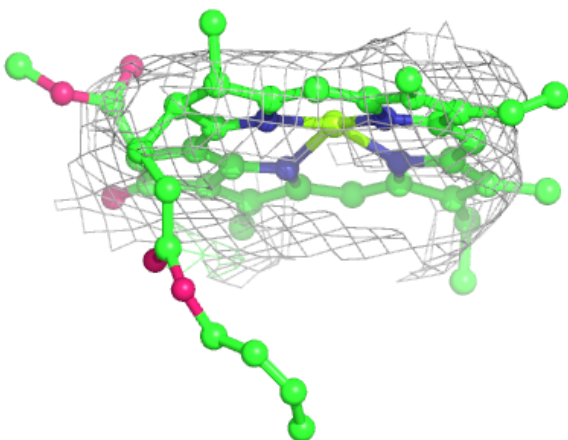
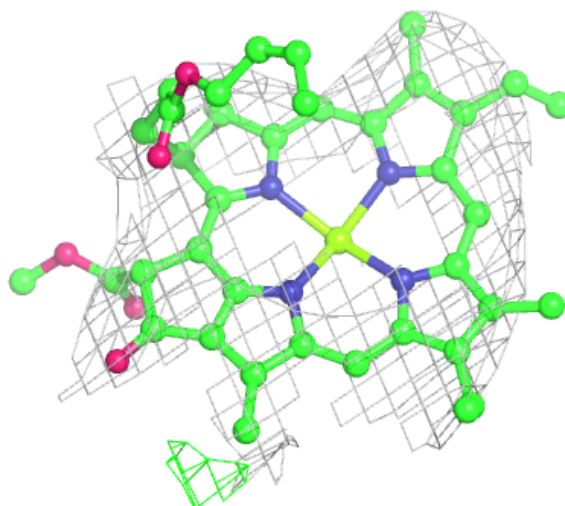
**Electron density around CLA B4 826:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



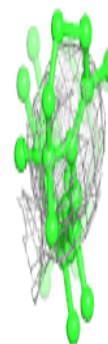
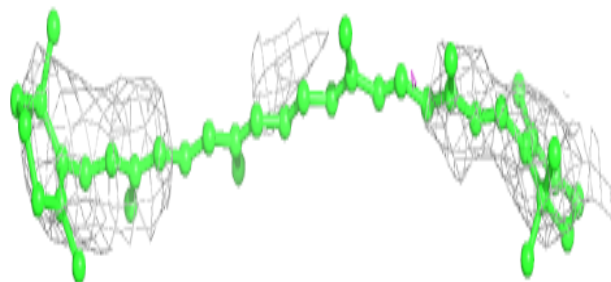
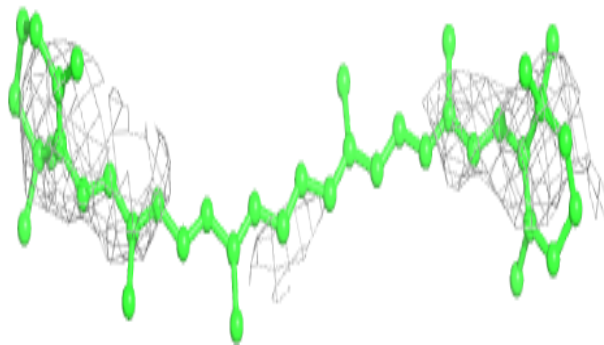
**Electron density around CLA B1 832:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

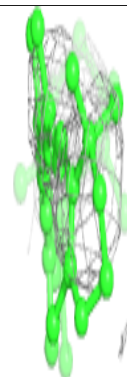
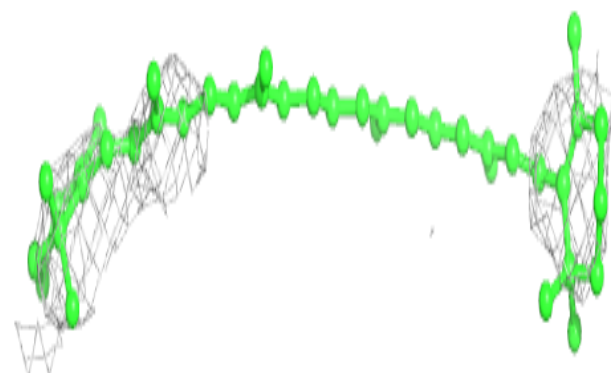
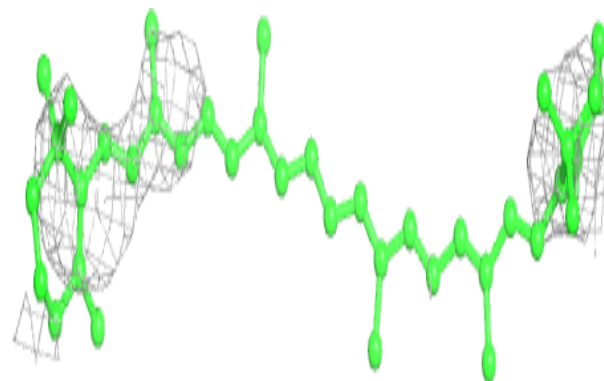


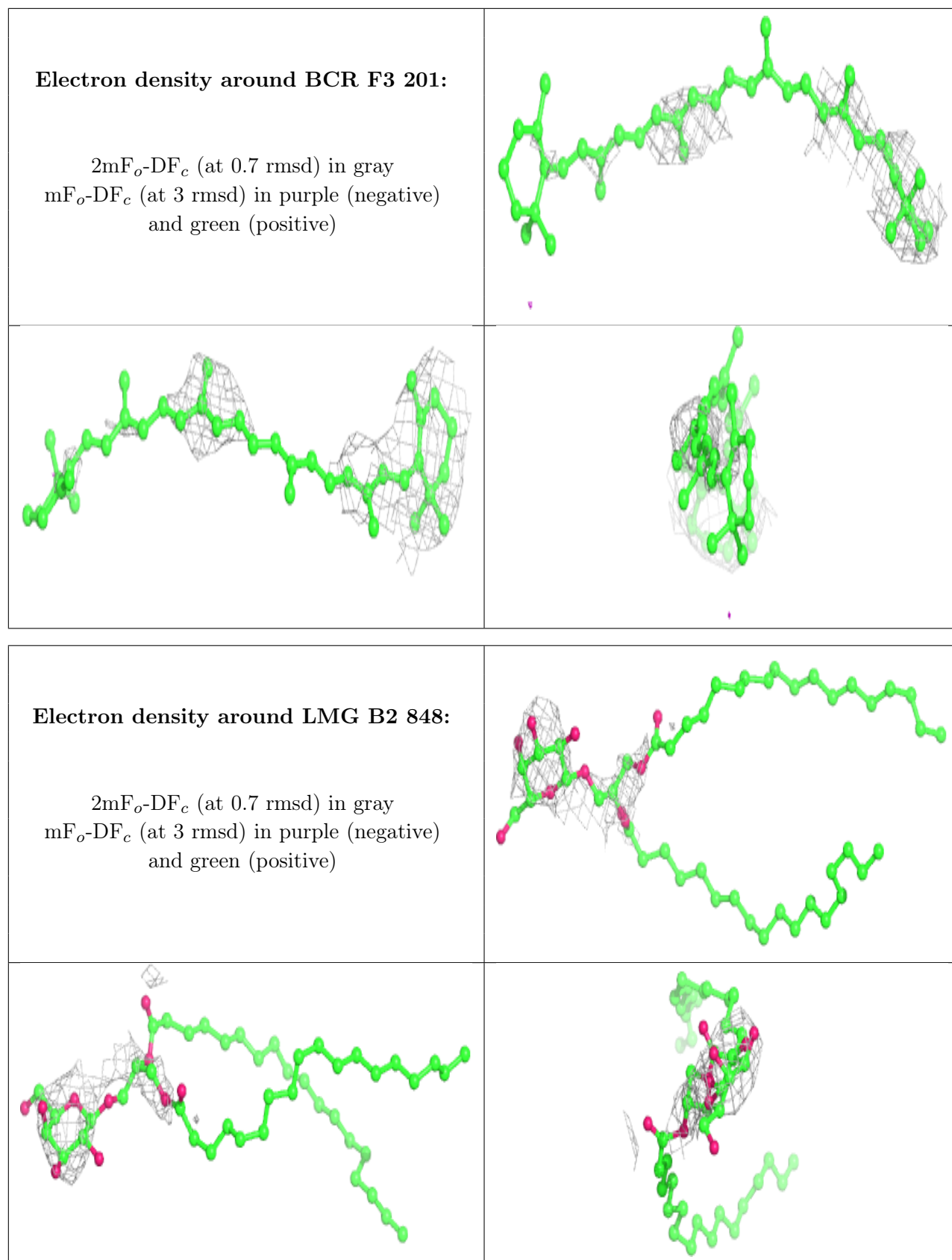
**Electron density around BCR A5 847:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR A2 1651:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

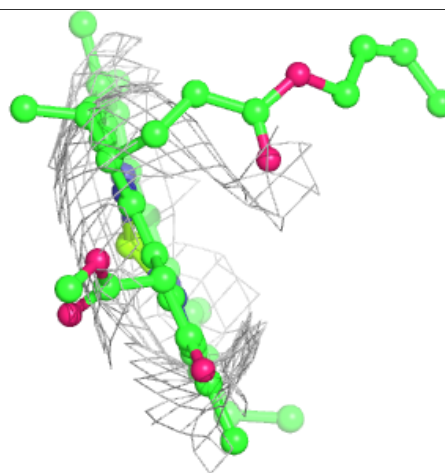
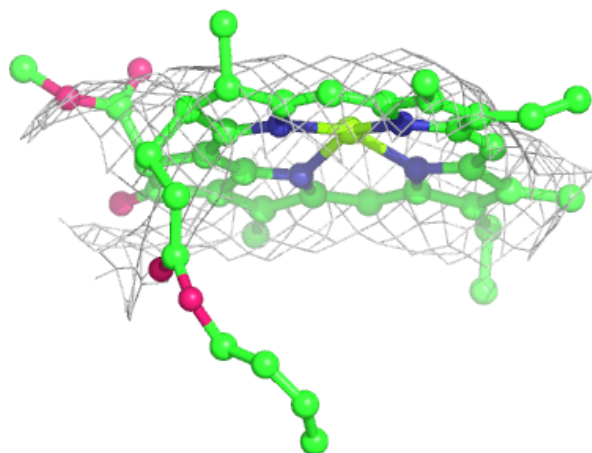
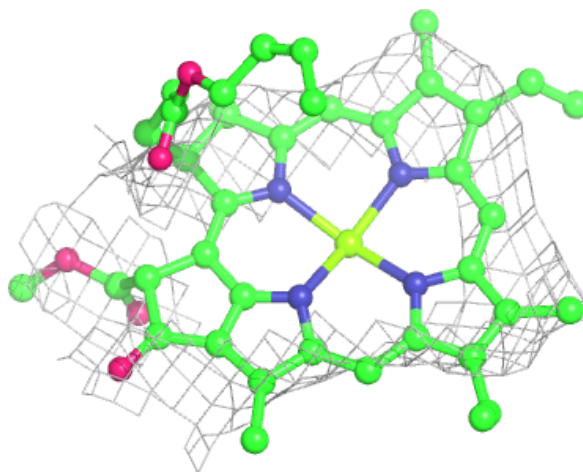






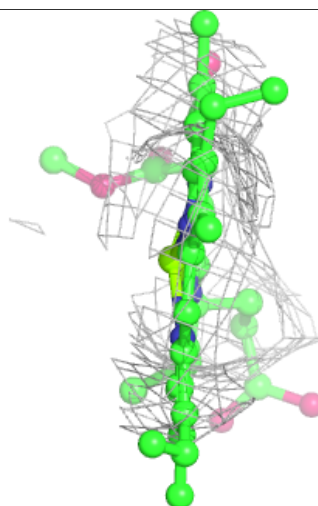
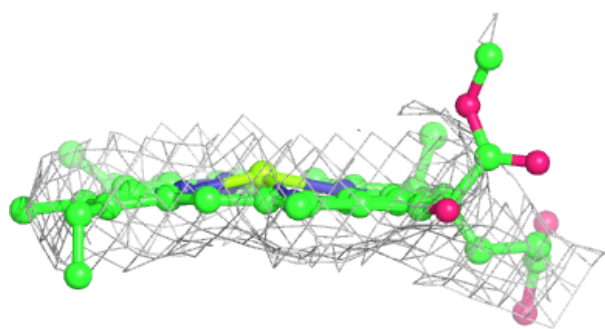
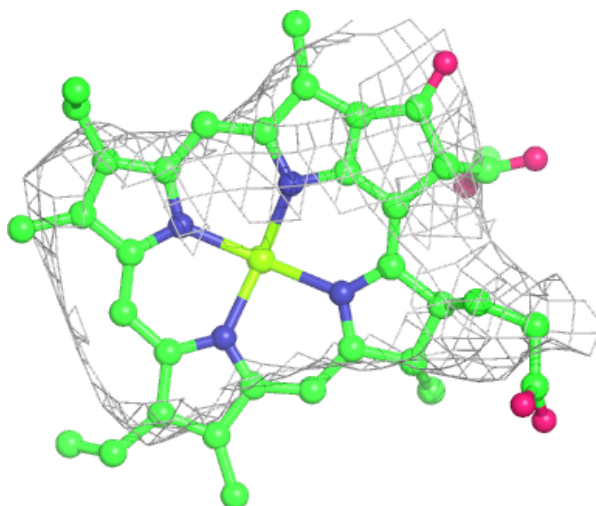
**Electron density around CLA B2 830:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



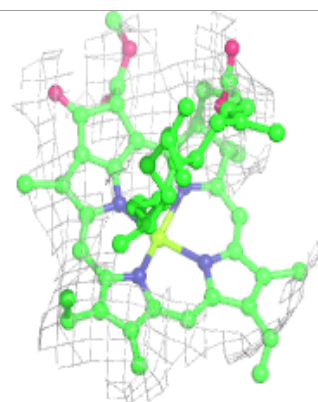
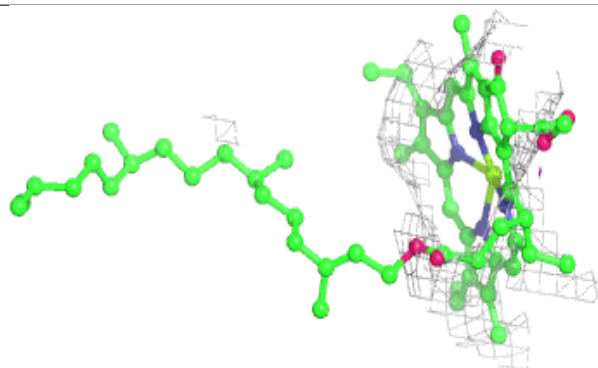
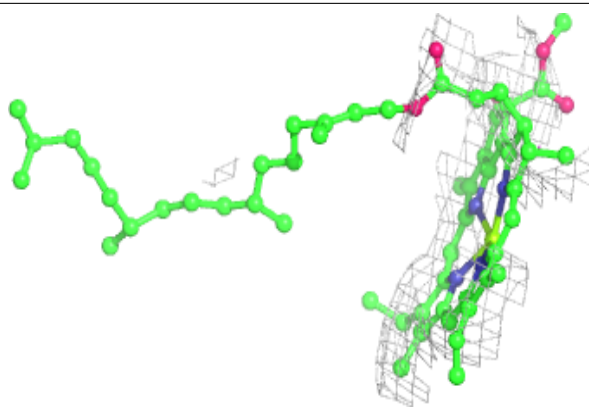
**Electron density around CLA X5 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

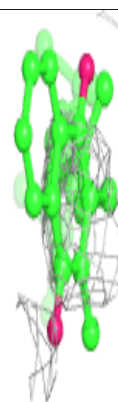
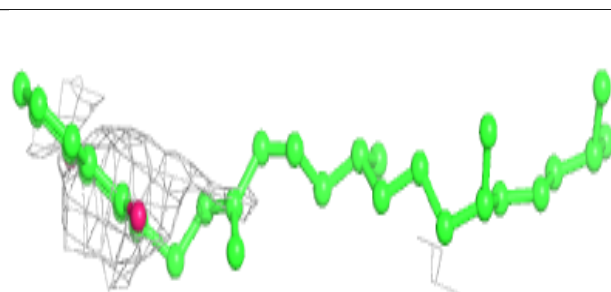
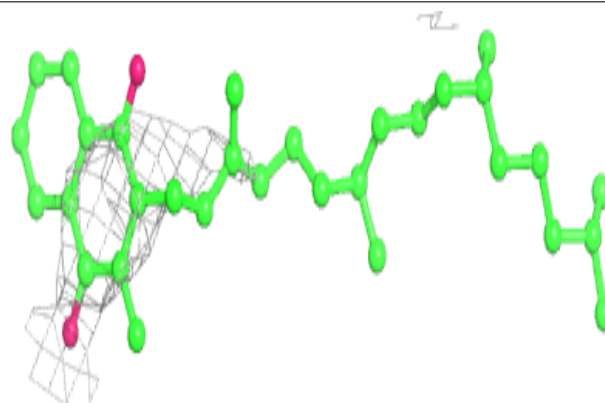


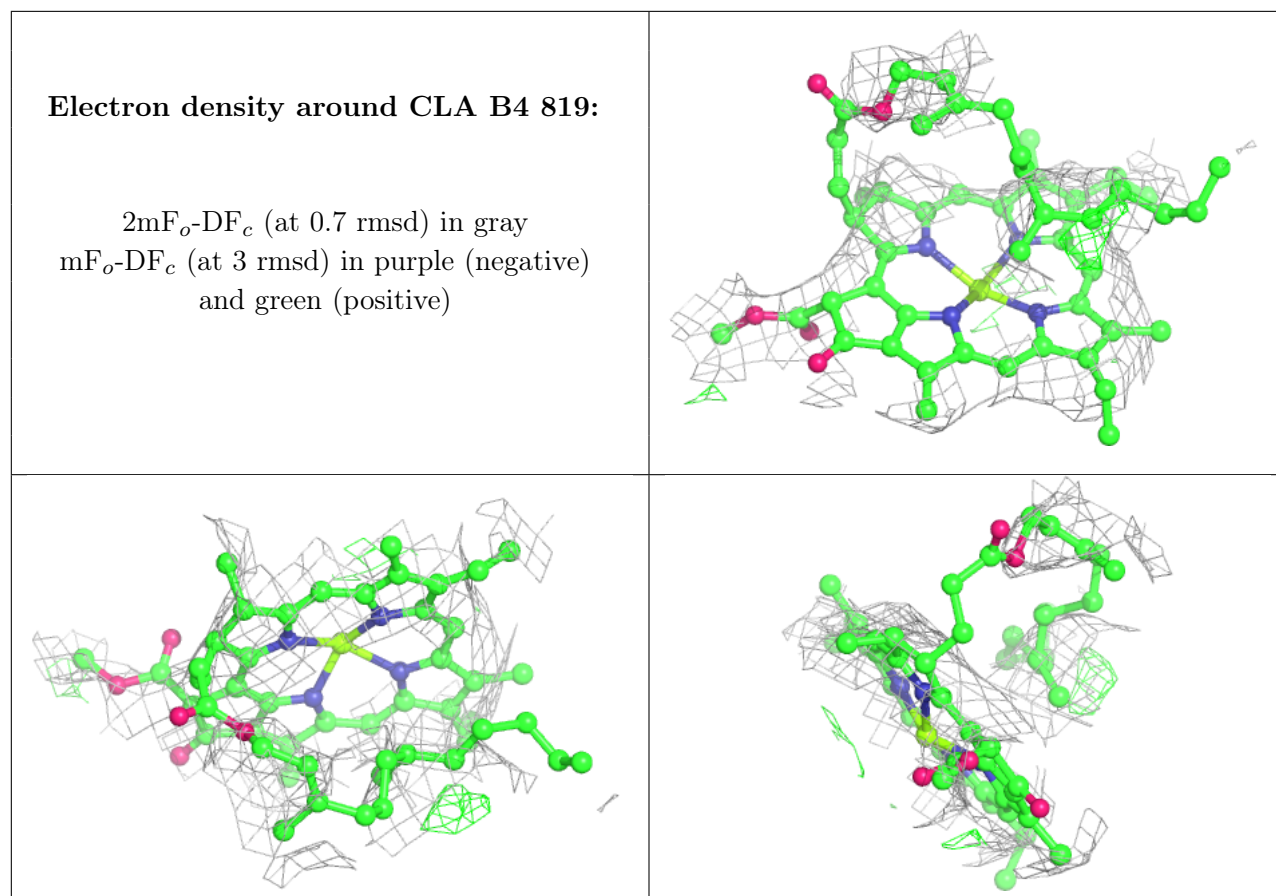
**Electron density around CLA A1 810:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around PQN A2 1646:**

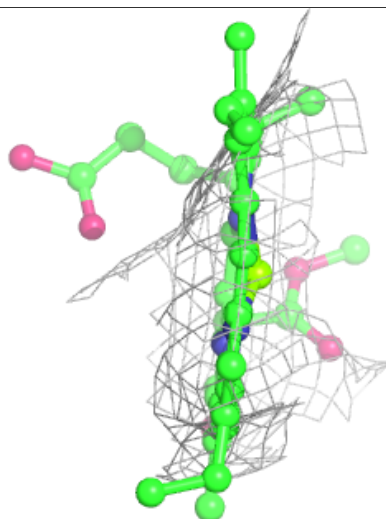
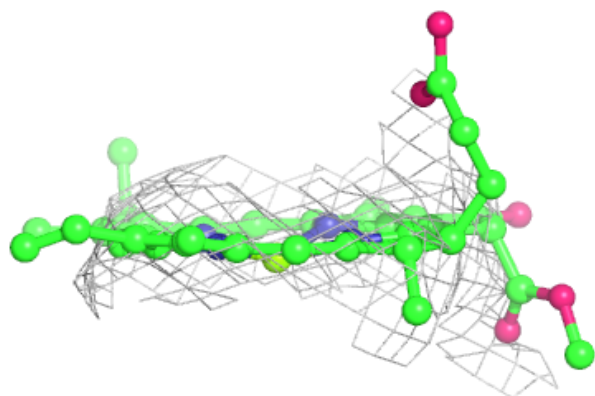
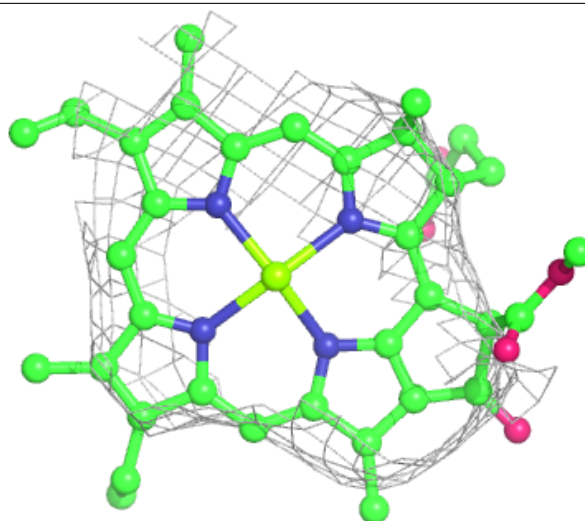
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

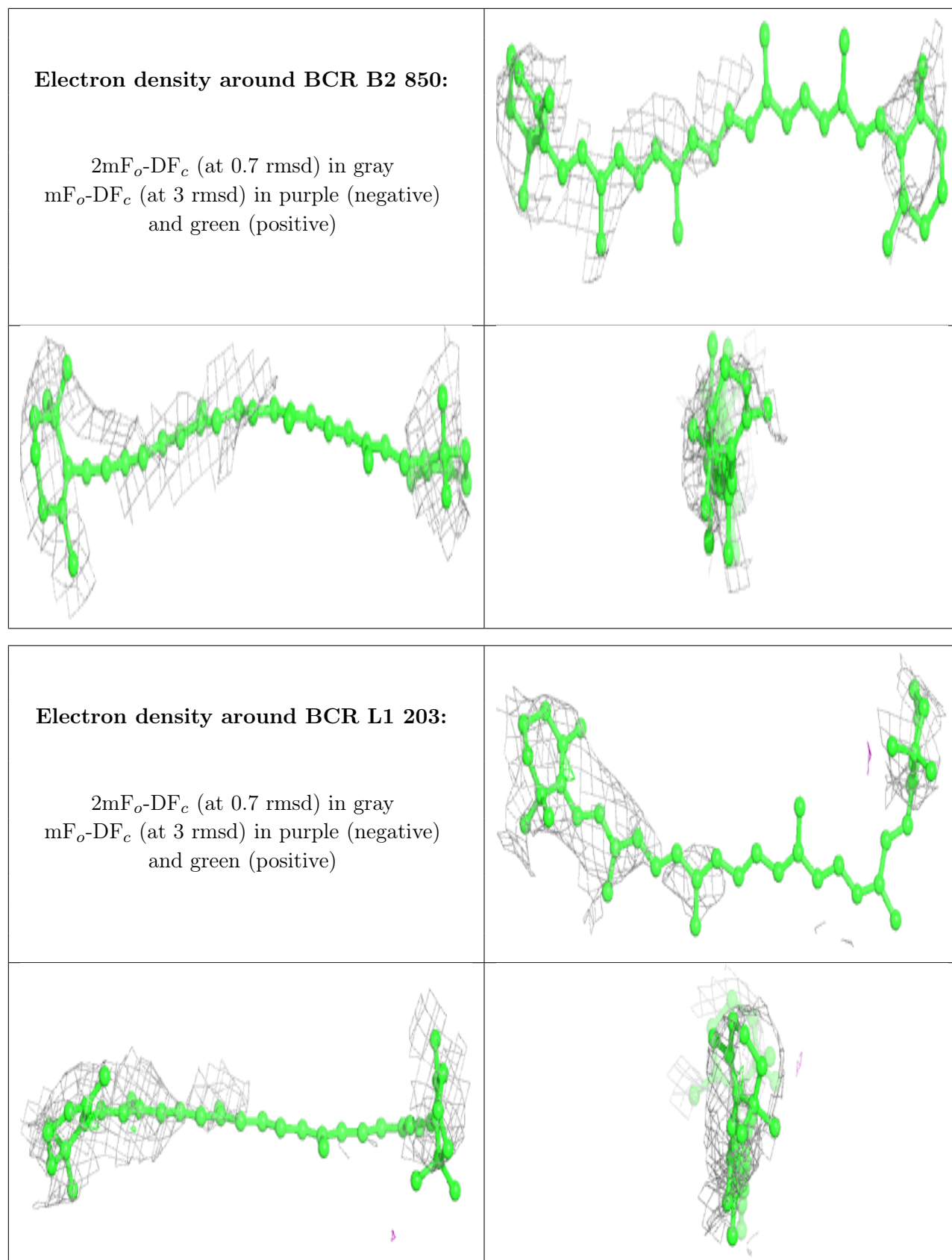




**Electron density around CLA A1 833:**

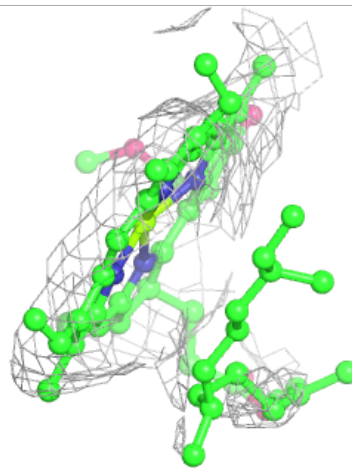
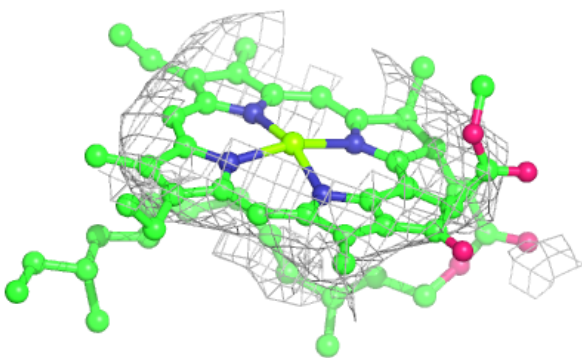
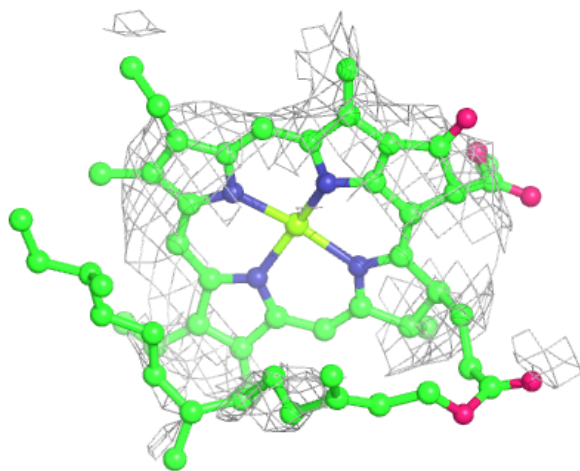
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





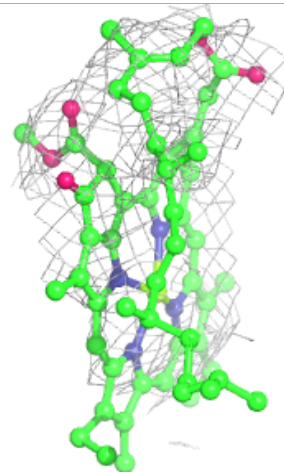
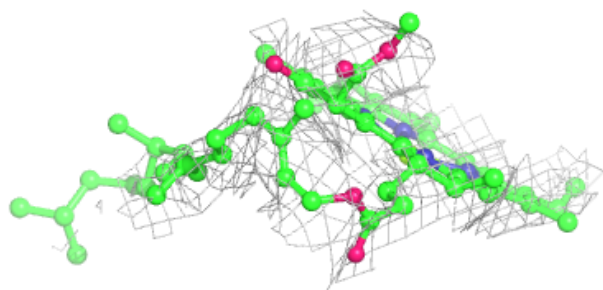
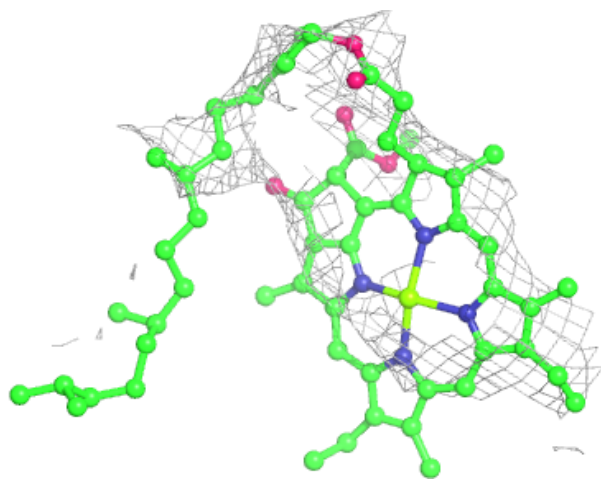
**Electron density around CLA A5 820:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A5 825:**

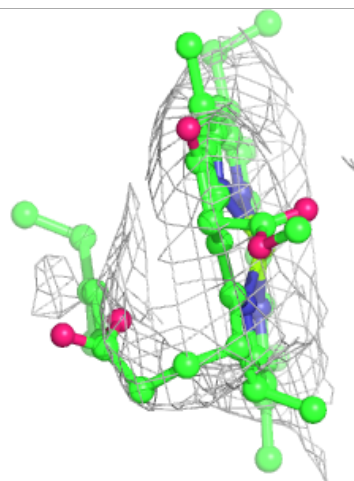
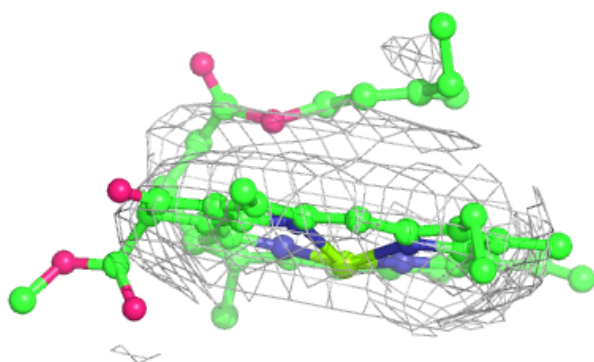
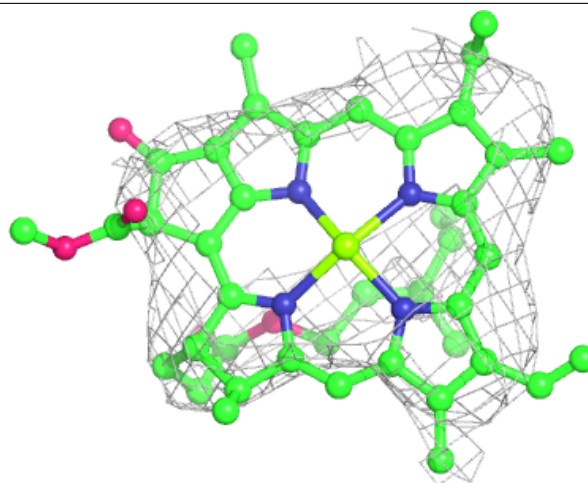
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

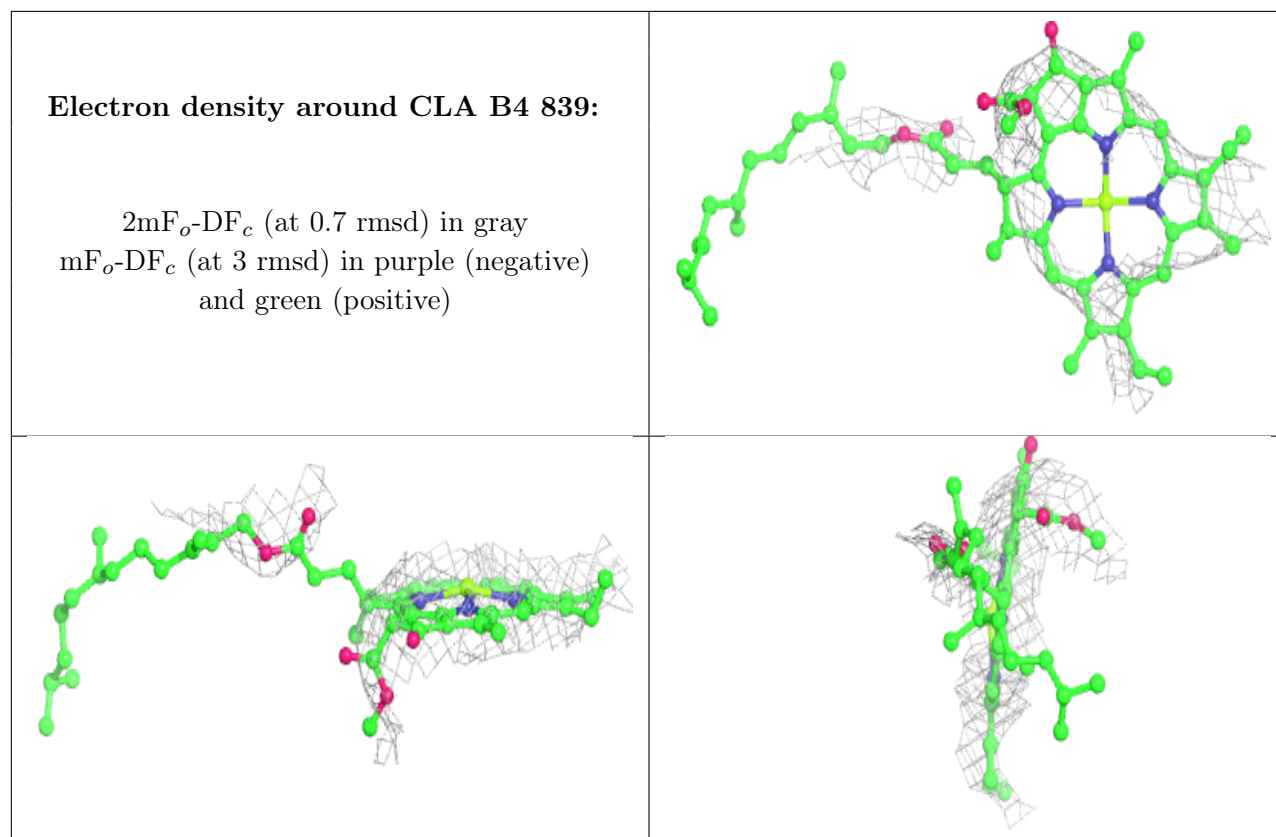




**Electron density around CLA A3 823:**

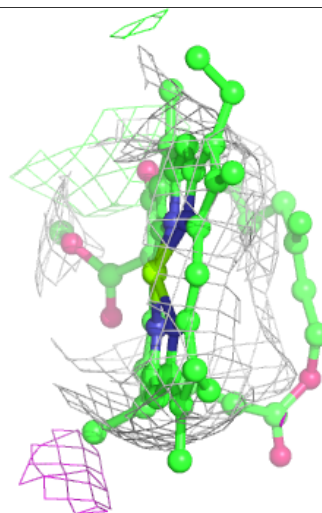
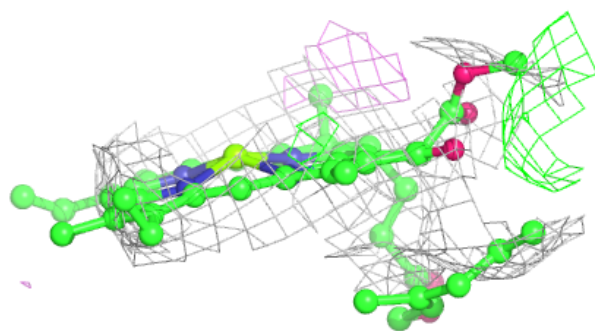
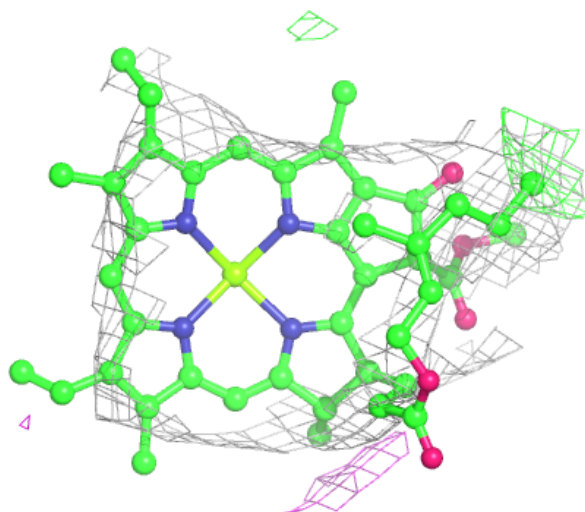
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





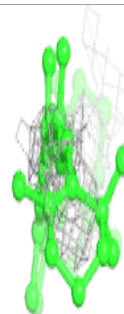
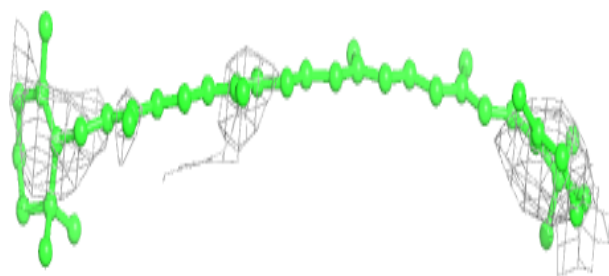
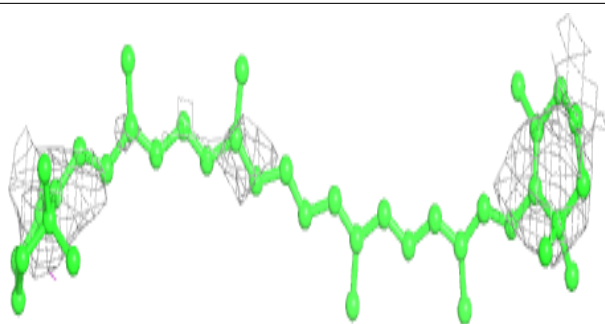
**Electron density around CLA B4 852:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

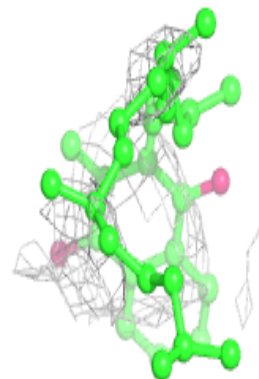
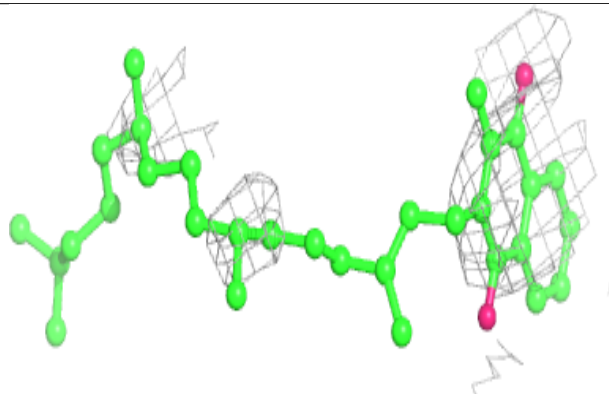
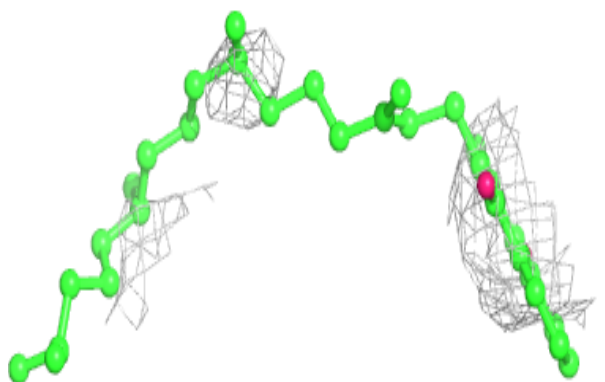


**Electron density around BCR A6 1647:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

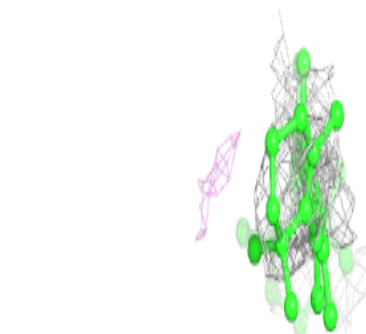
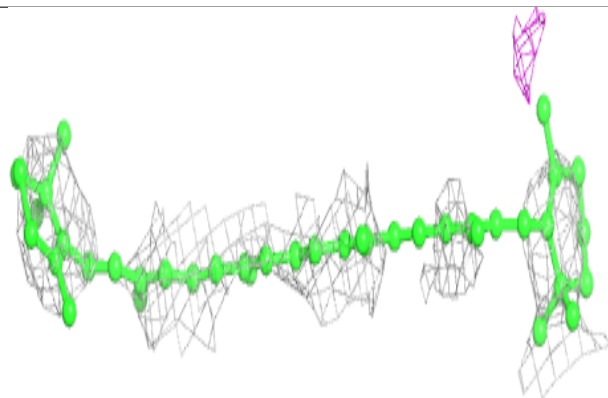
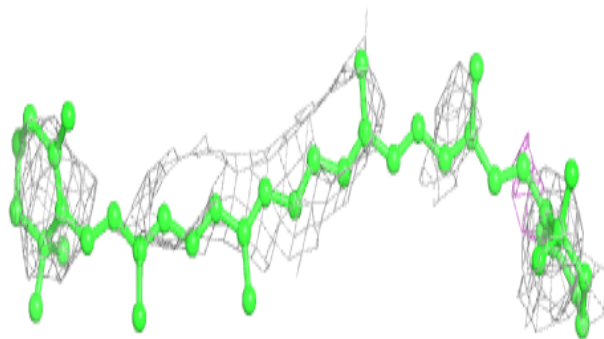
**Electron density around PQN B6 842:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

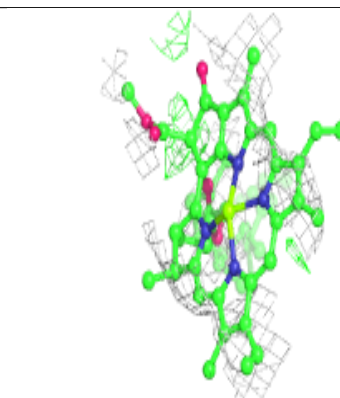
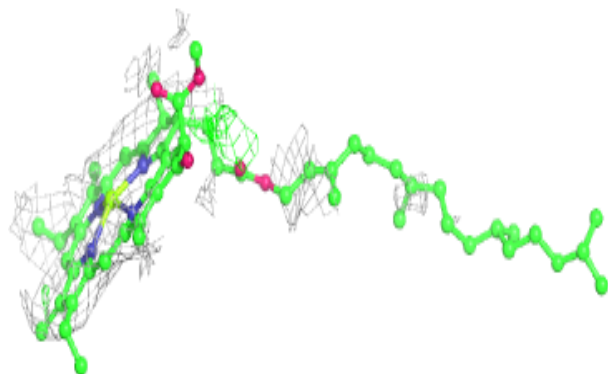
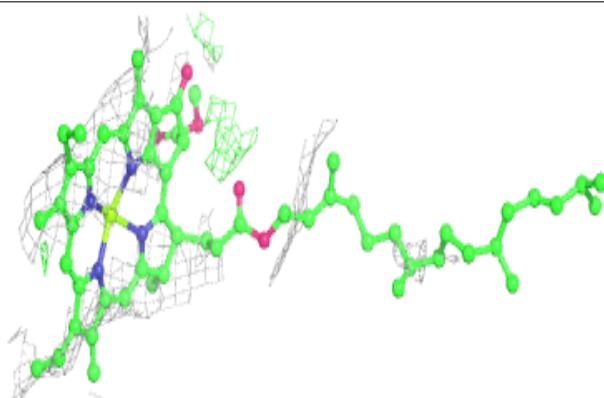


**Electron density around BCR A6 1652:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

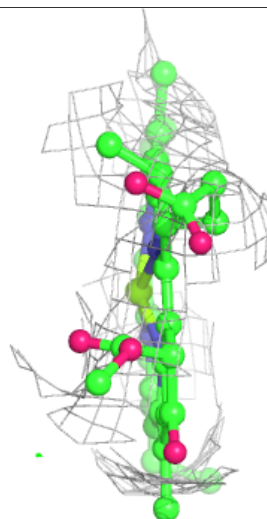
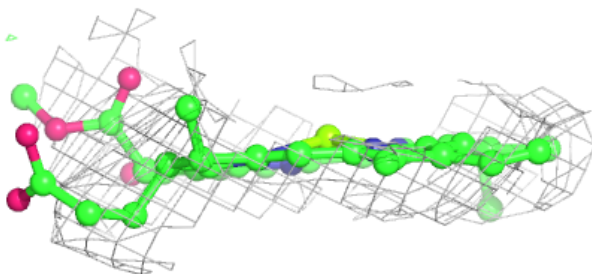
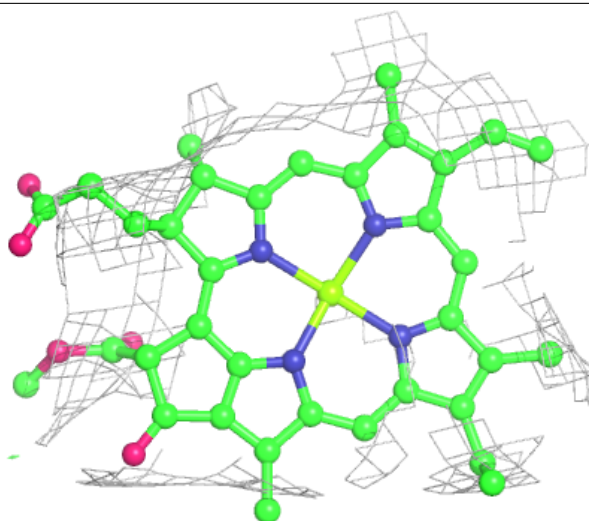
**Electron density around CLA A1 808:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



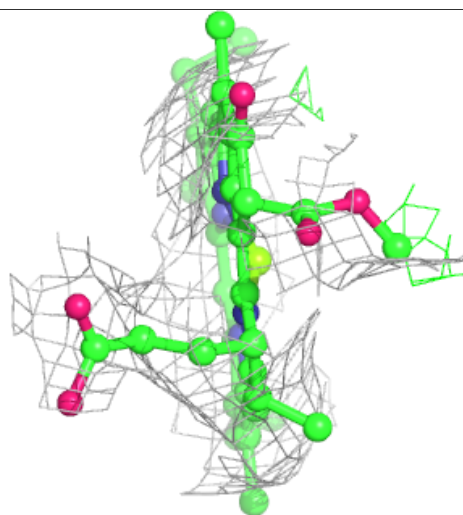
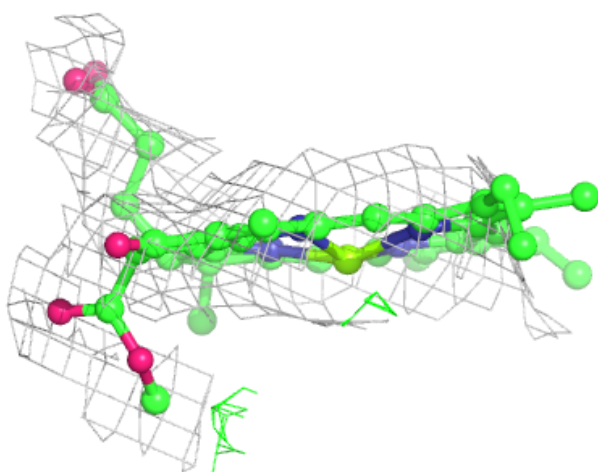
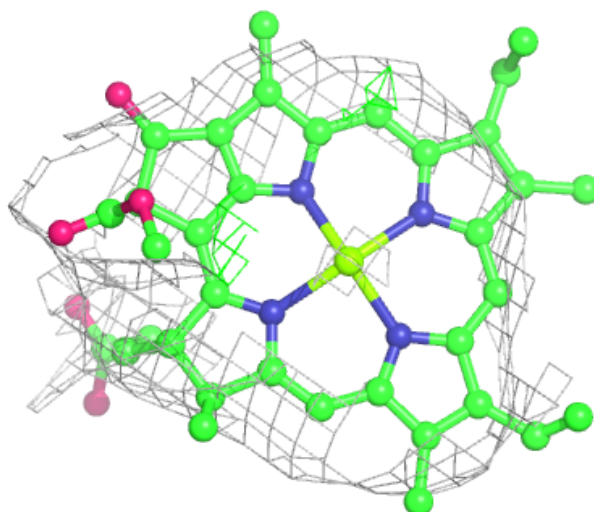
**Electron density around CLA B1 837:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



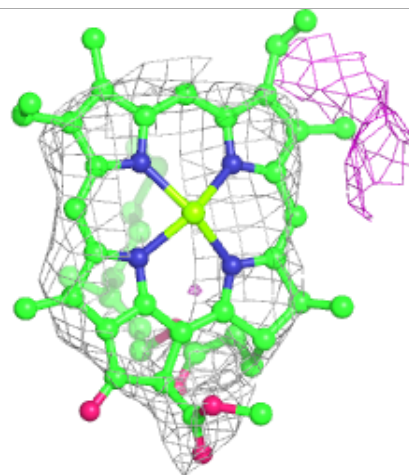
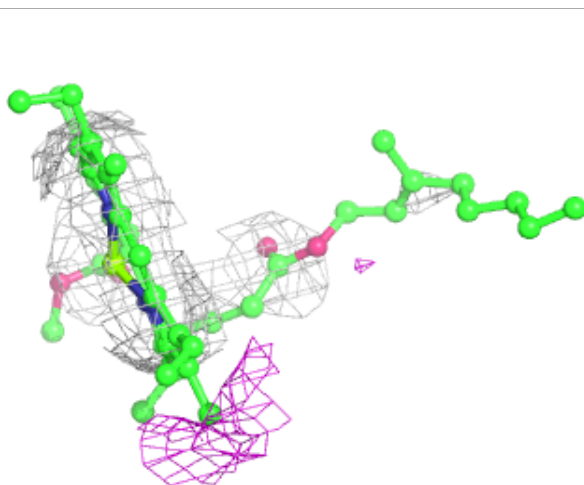
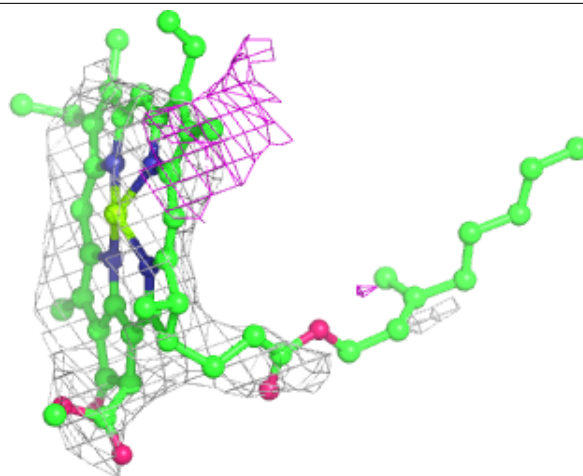
**Electron density around CLA K4 1401:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

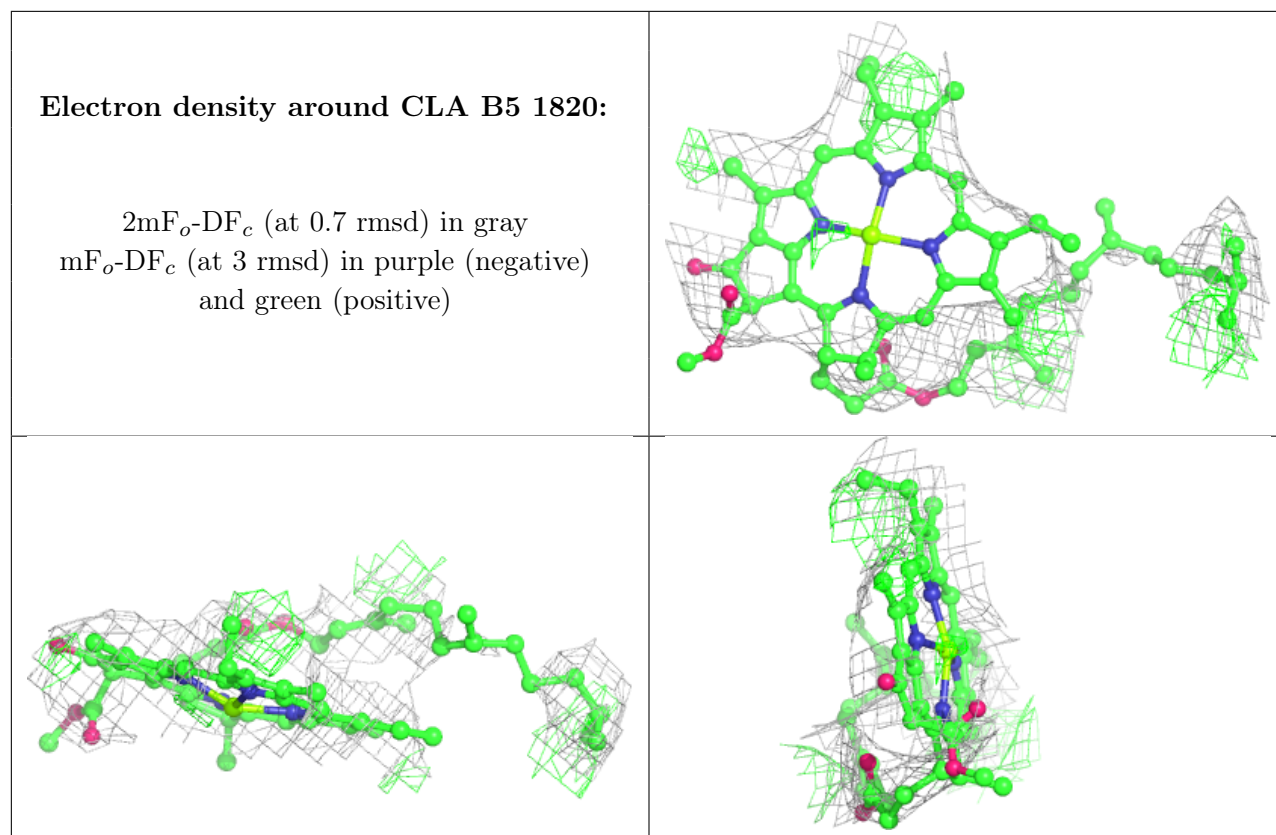


**Electron density around CLA B4 806:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

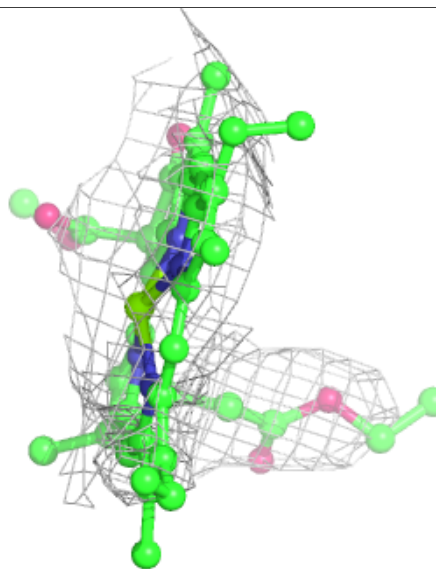
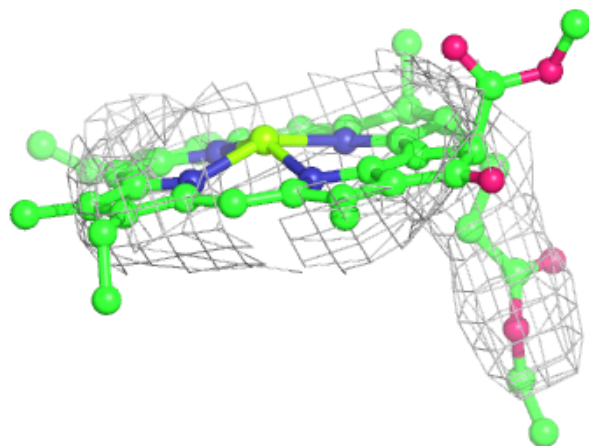
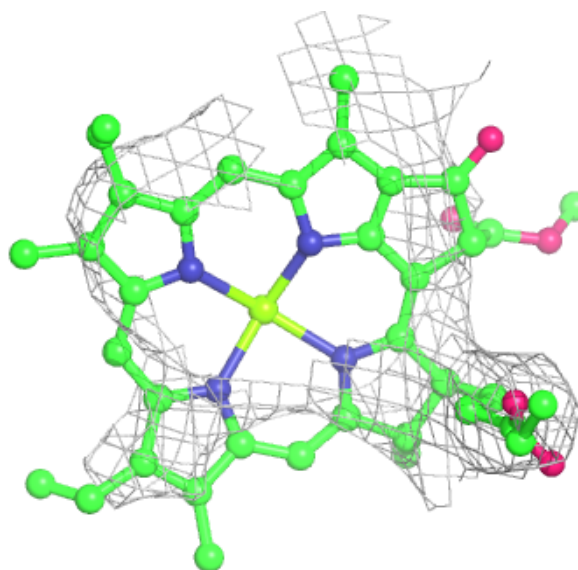


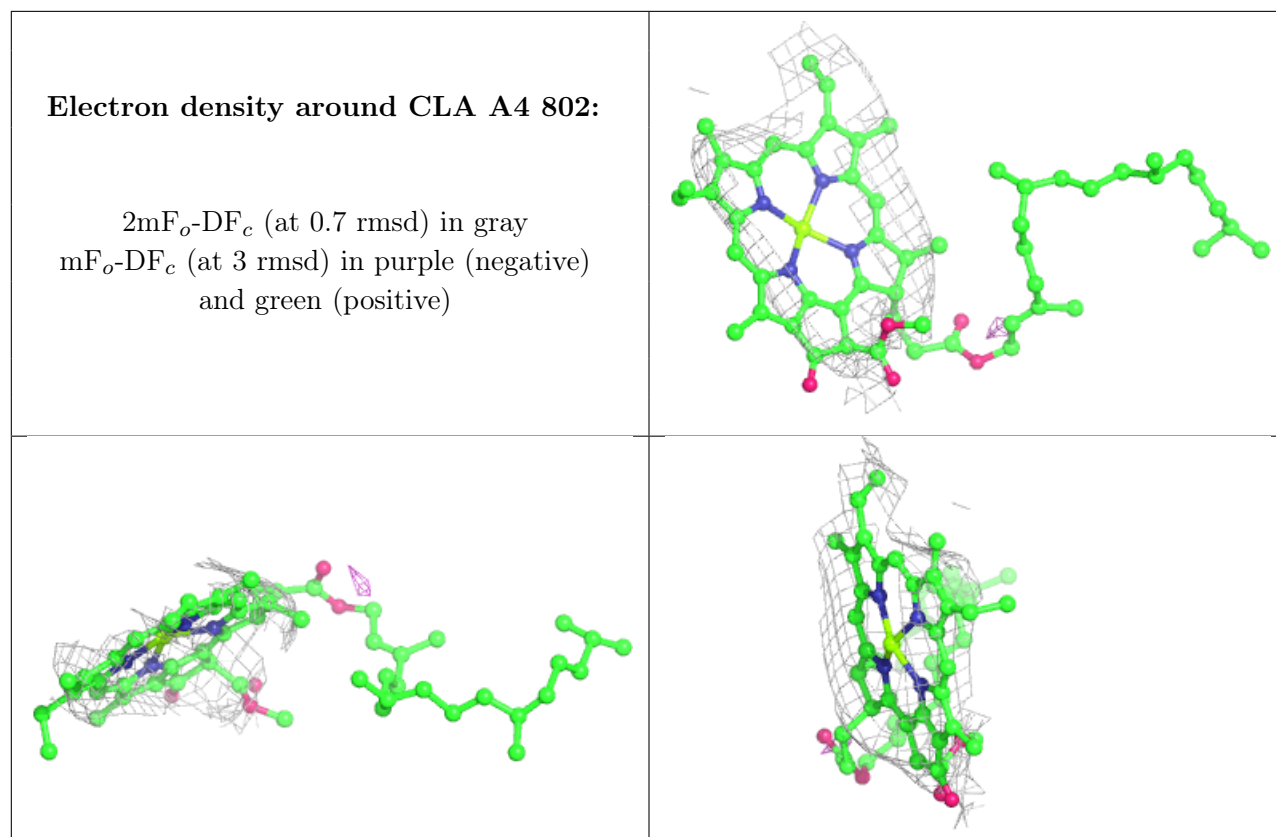




**Electron density around CLA B2 838:**

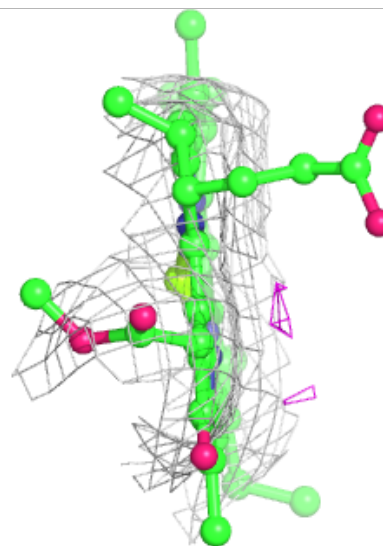
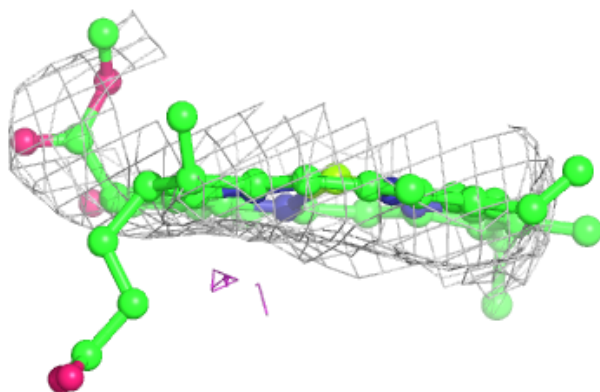
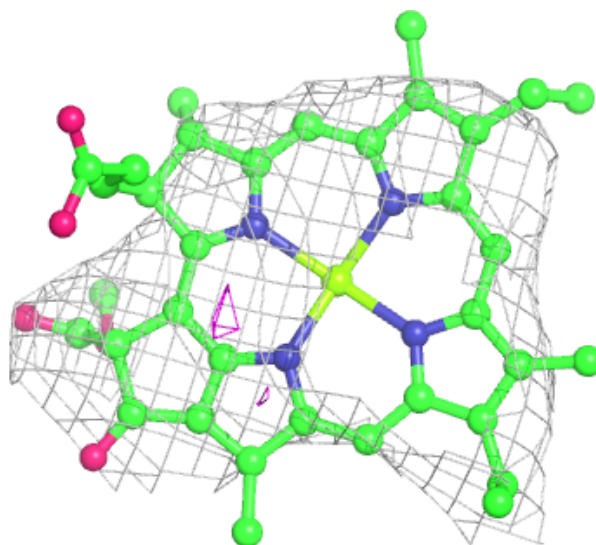
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





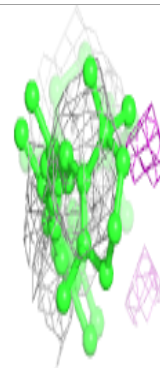
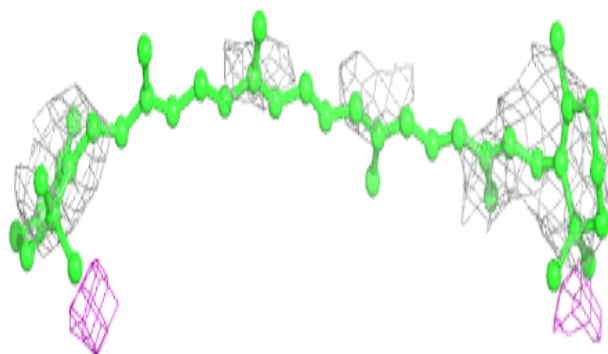
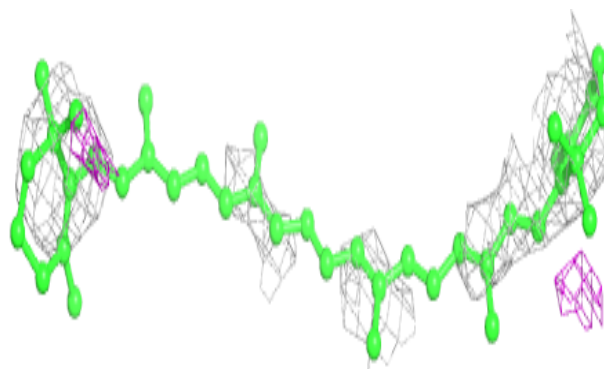
**Electron density around CLA B3 1823:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

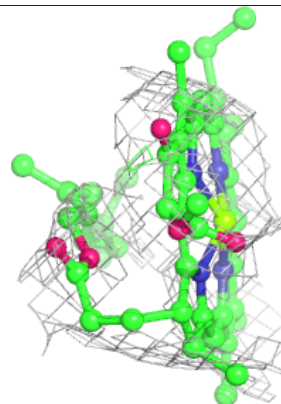
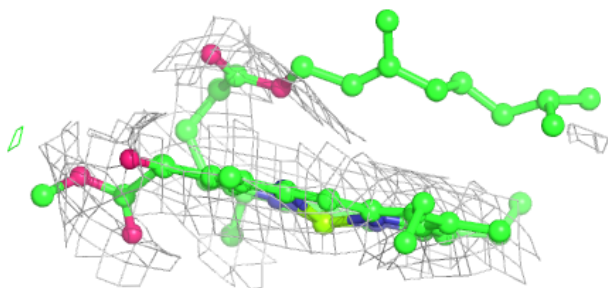
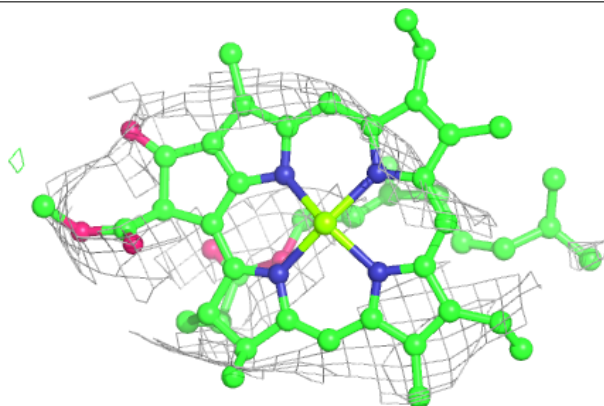


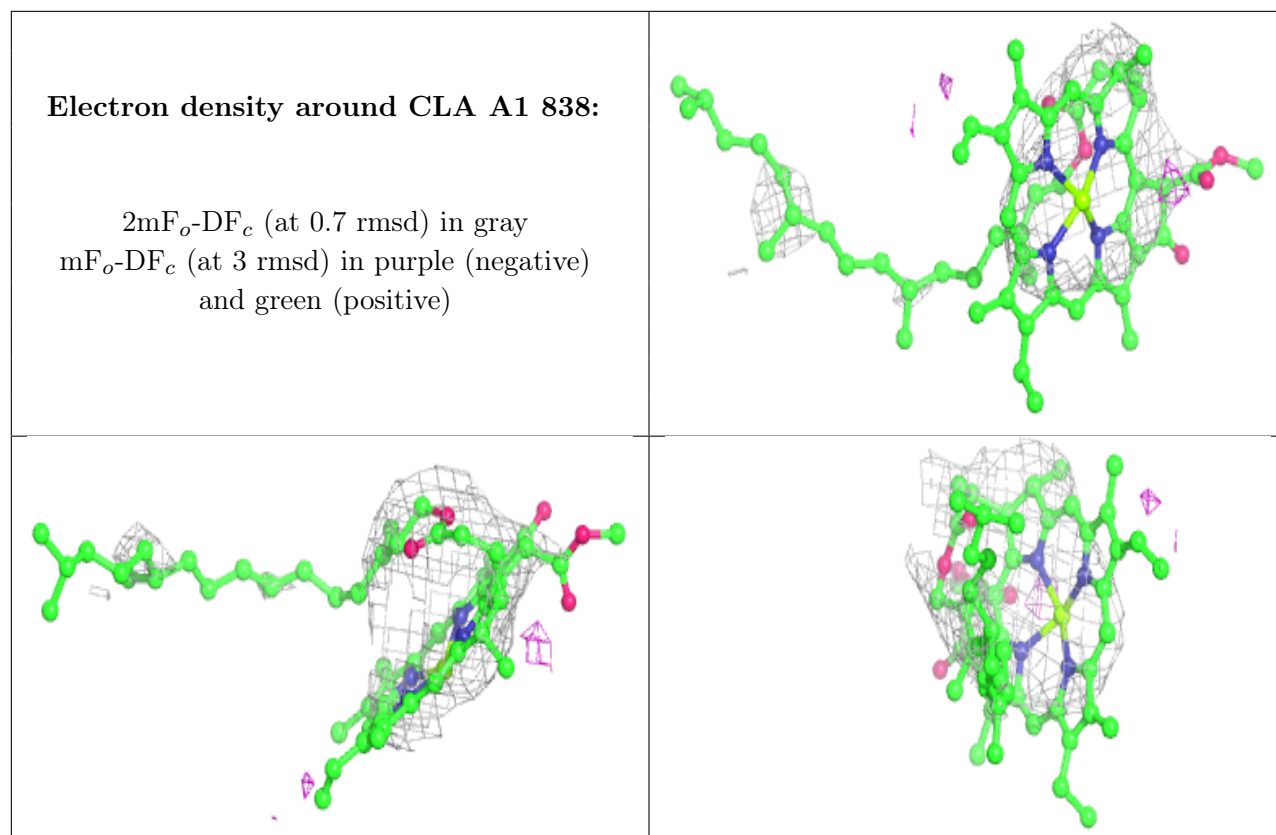
**Electron density around BCR I6 102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B5 1824:**

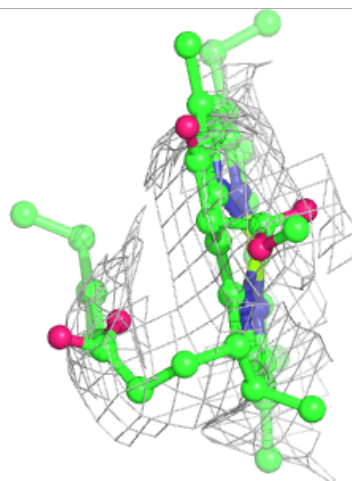
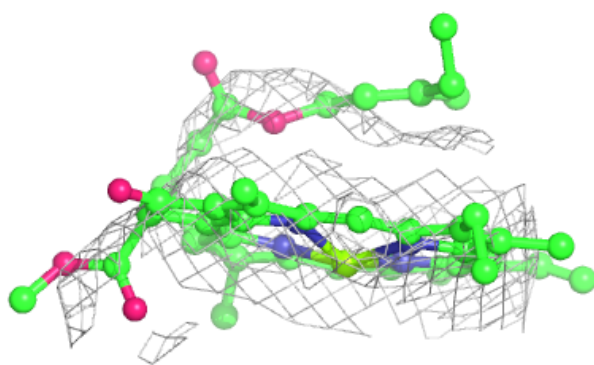
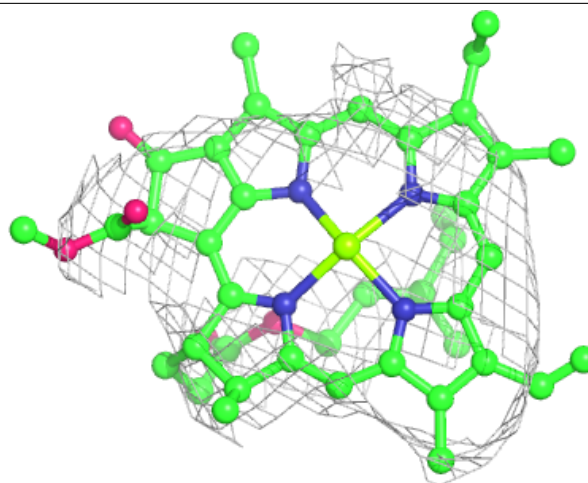
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

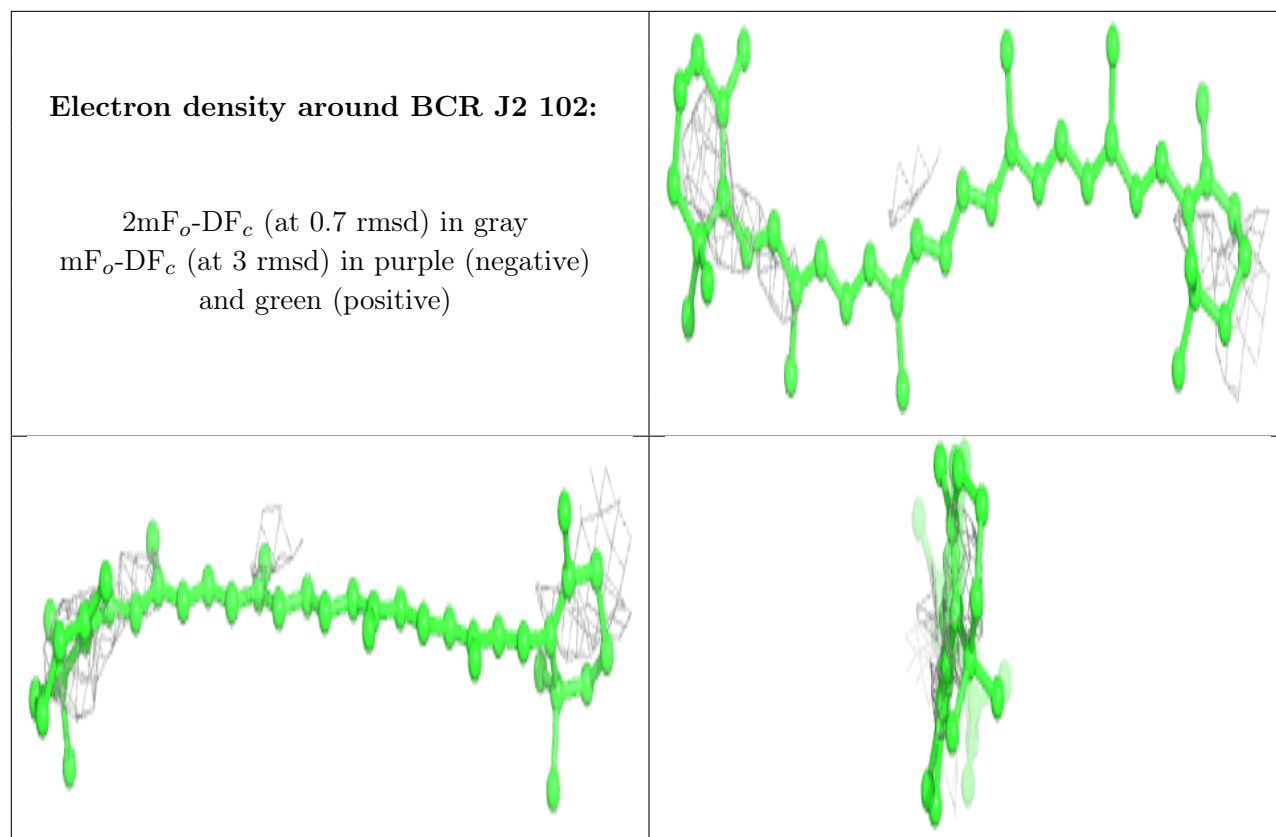




**Electron density around CLA A2 1625:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

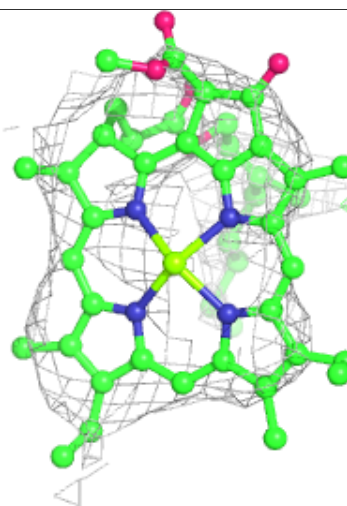
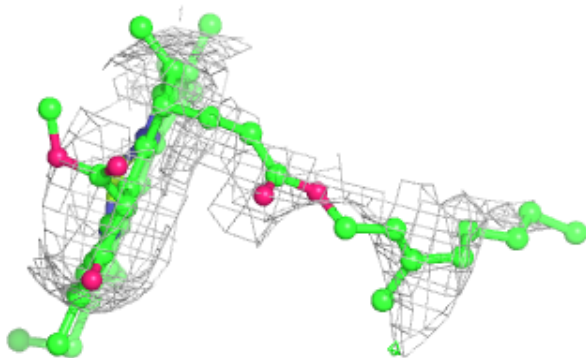
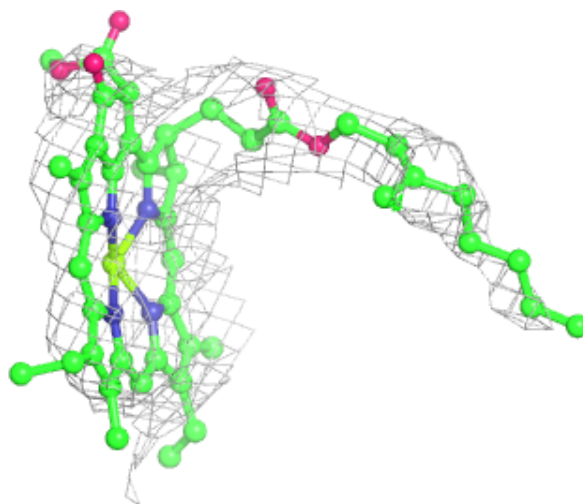


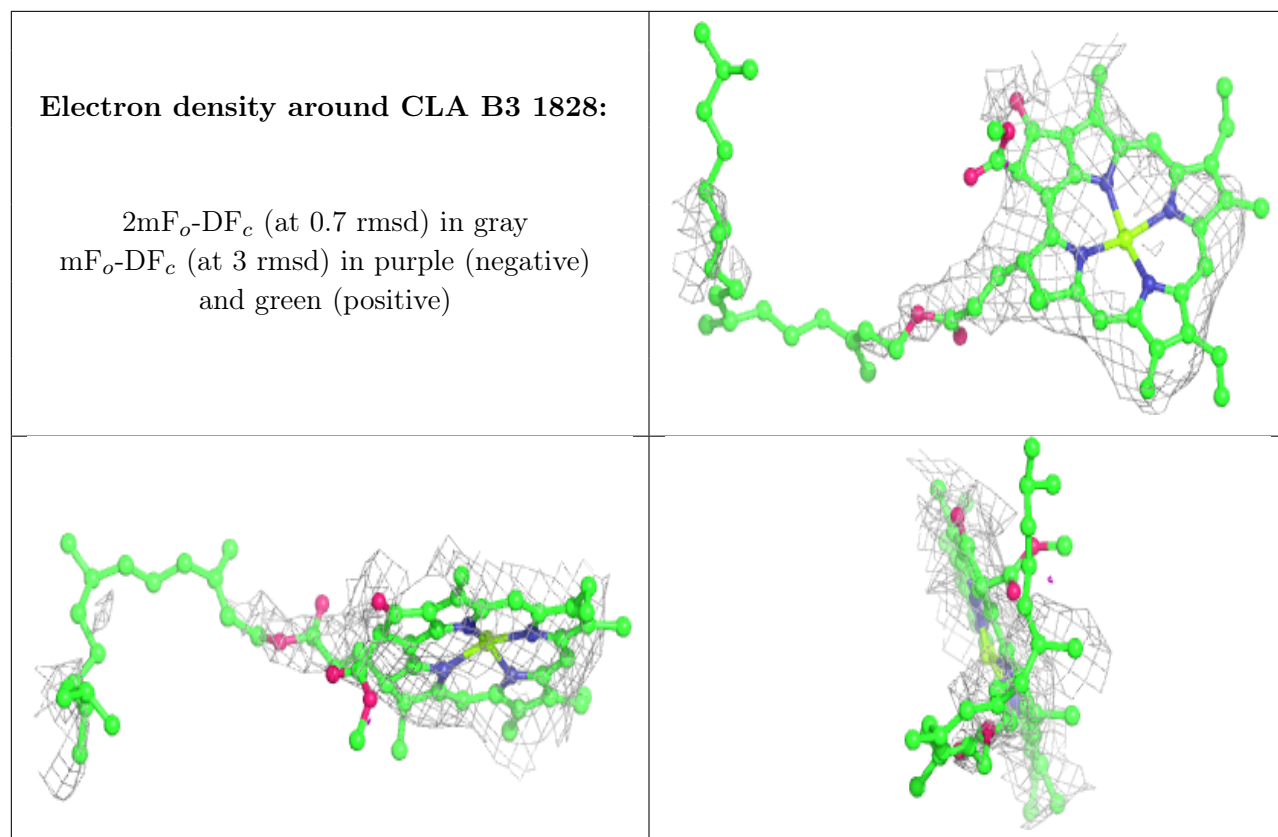




**Electron density around CLA M2 1201:**

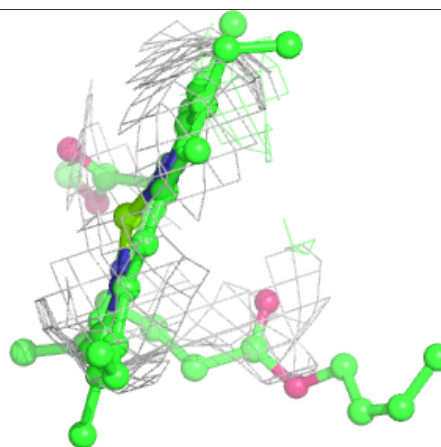
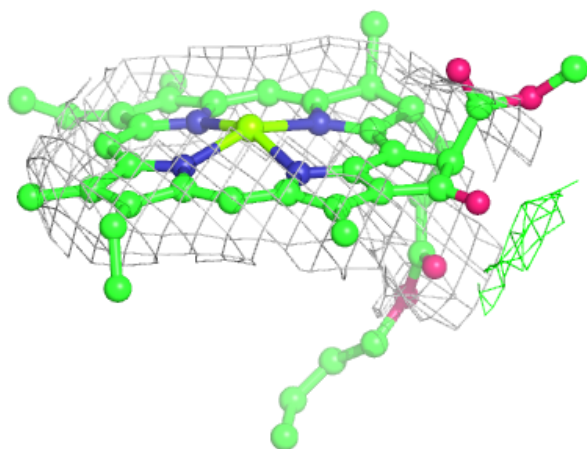
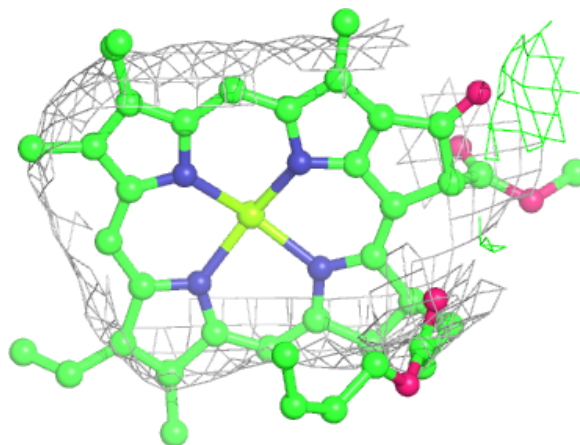
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





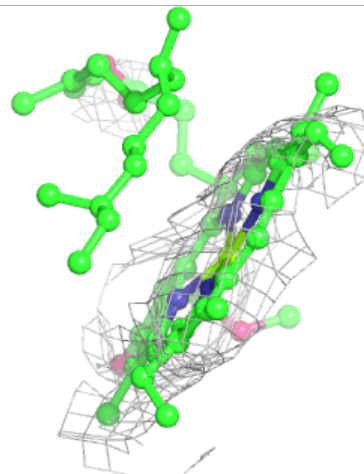
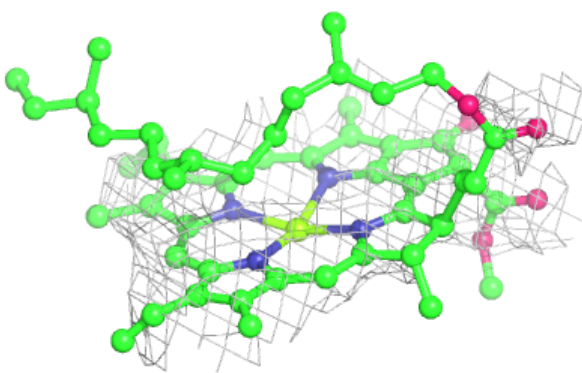
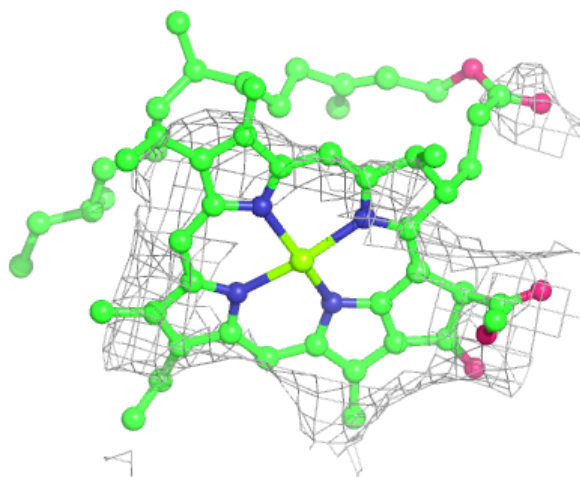
**Electron density around CLA B3 1833:**

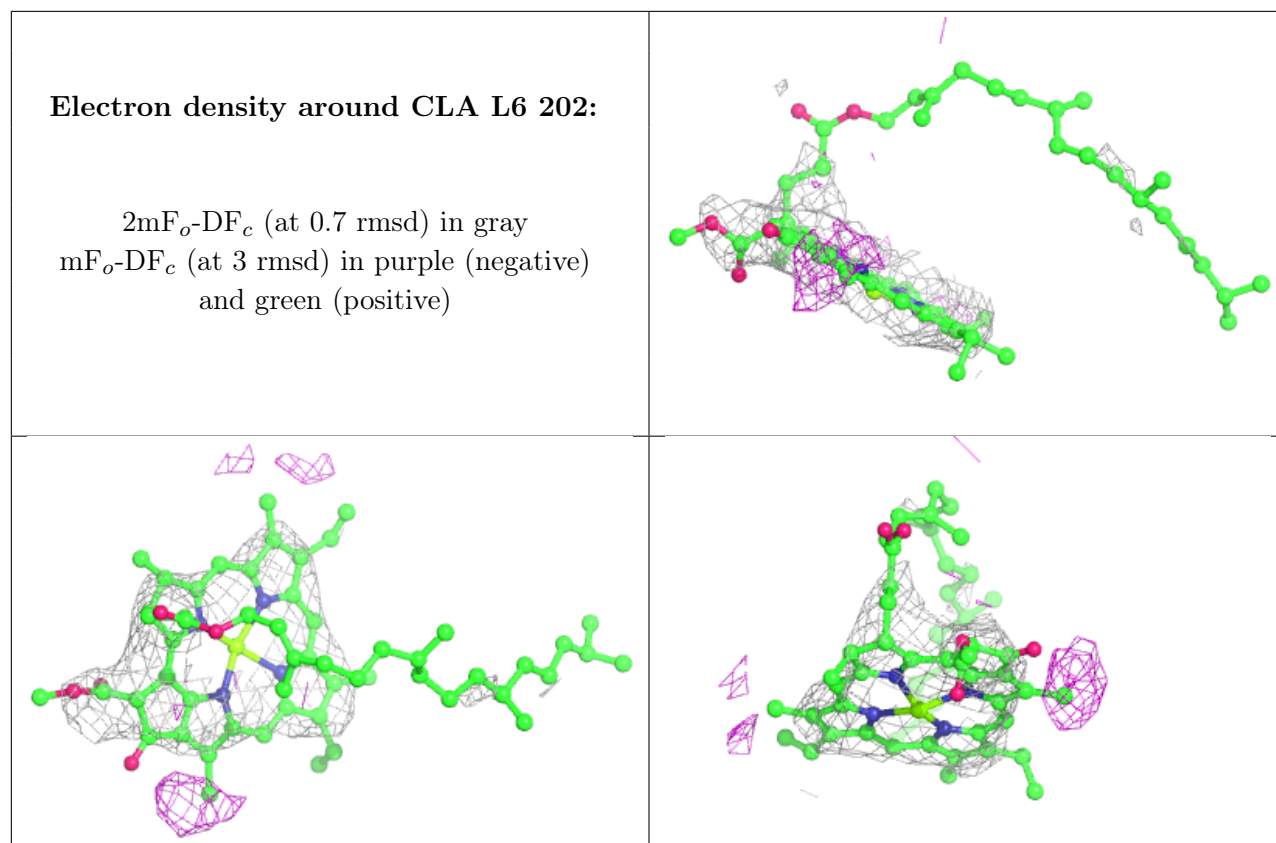
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A4 819:**

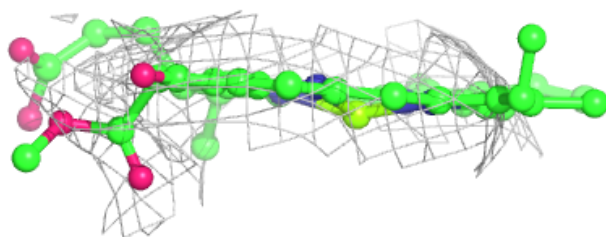
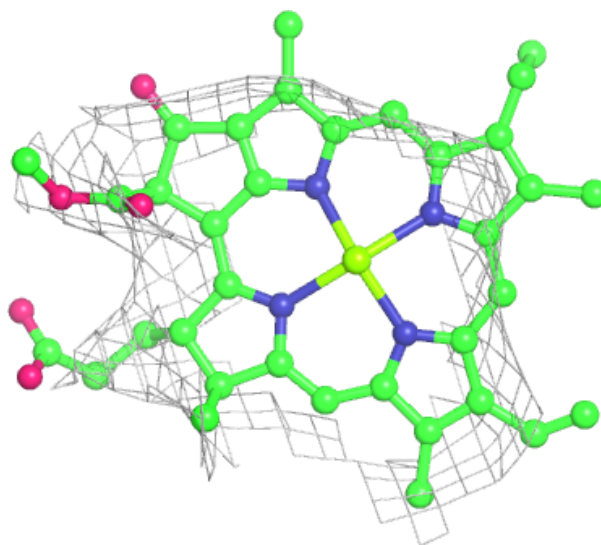
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





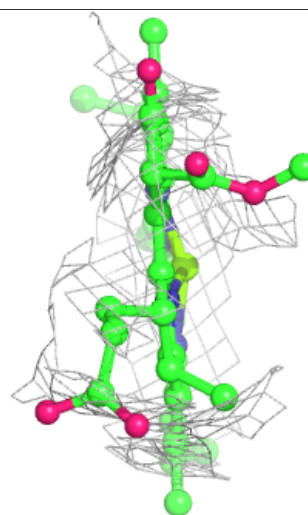
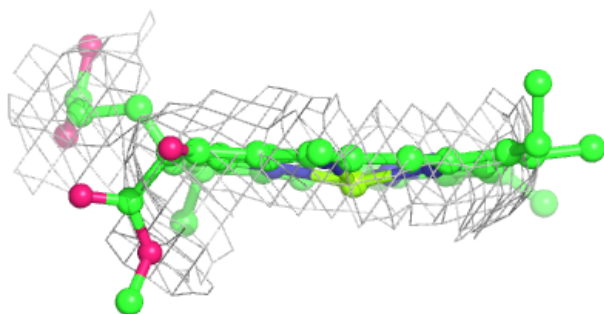
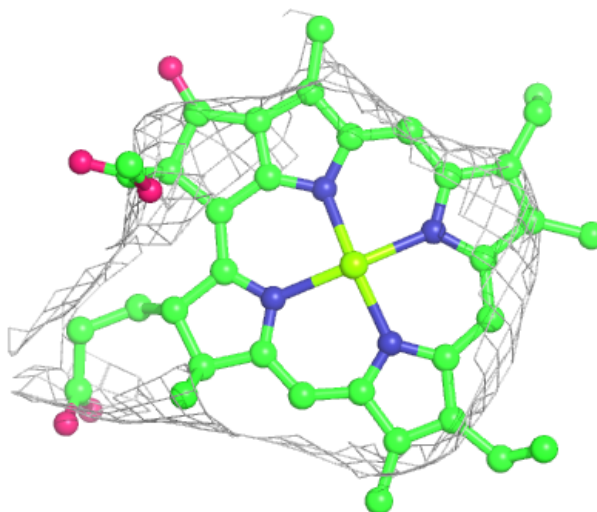
**Electron density around CLA B3 1838:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



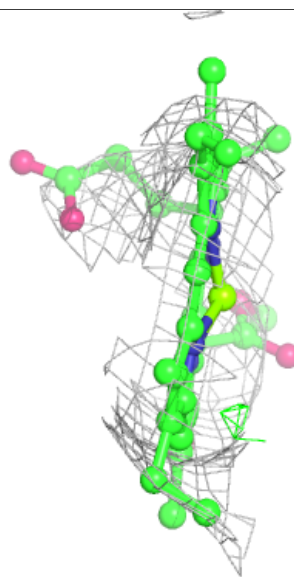
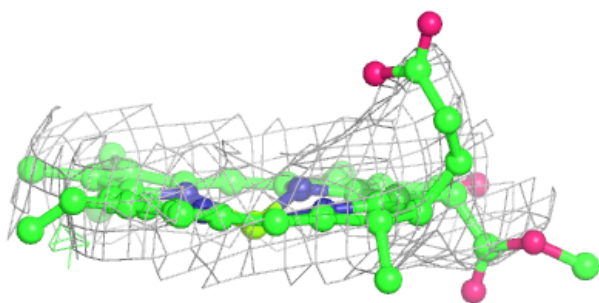
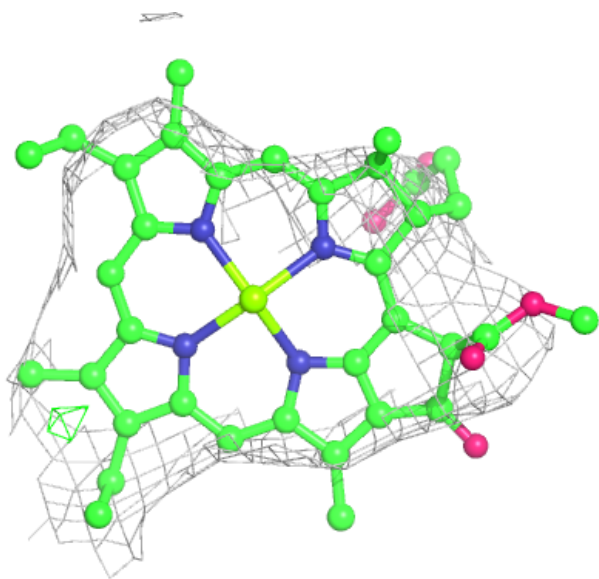
**Electron density around CLA X1 1701:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

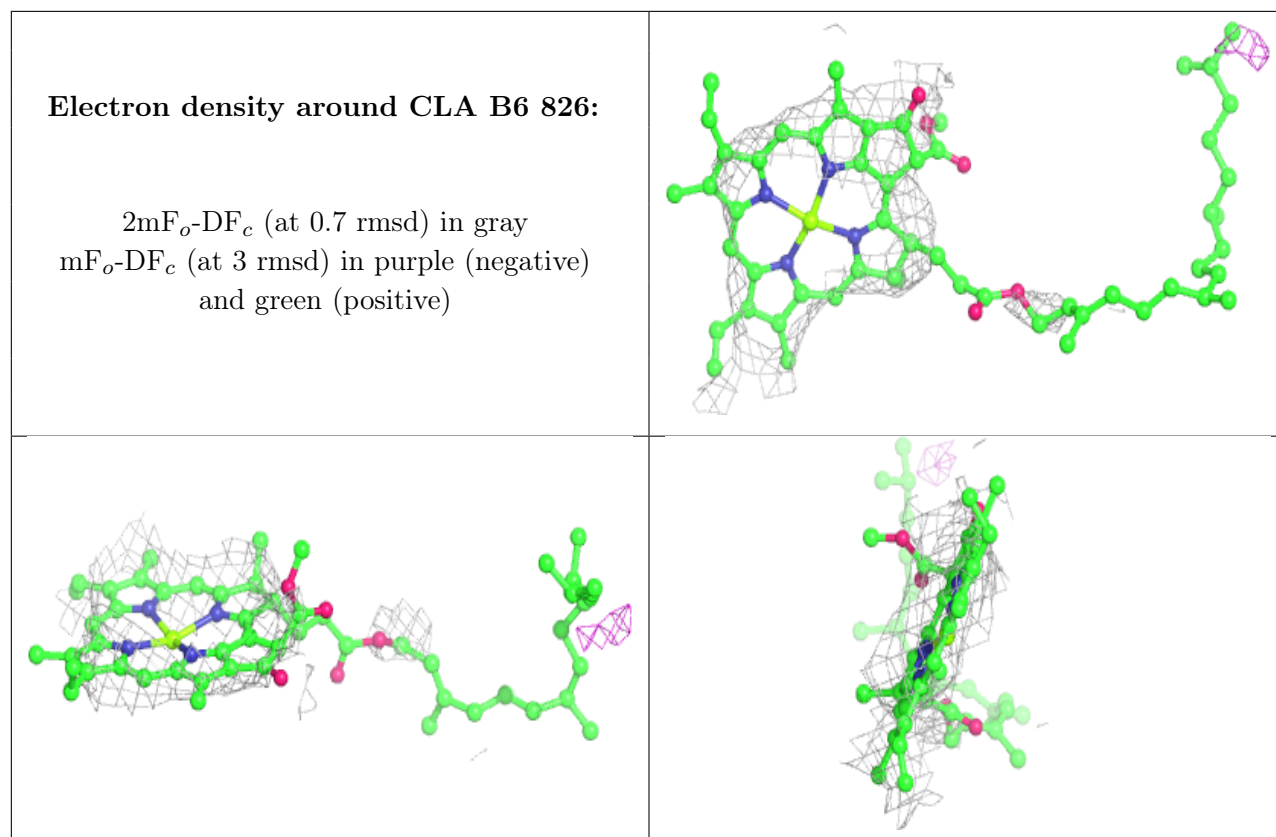


**Electron density around CLA A3 810:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

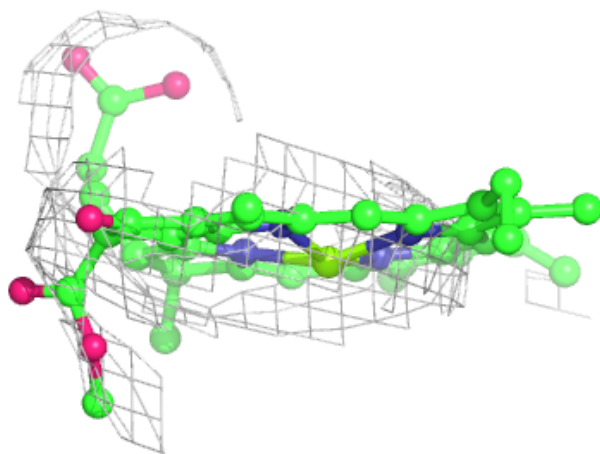
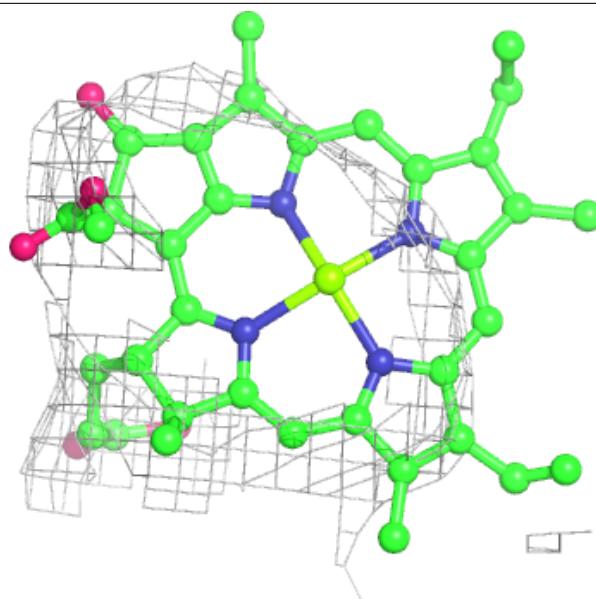


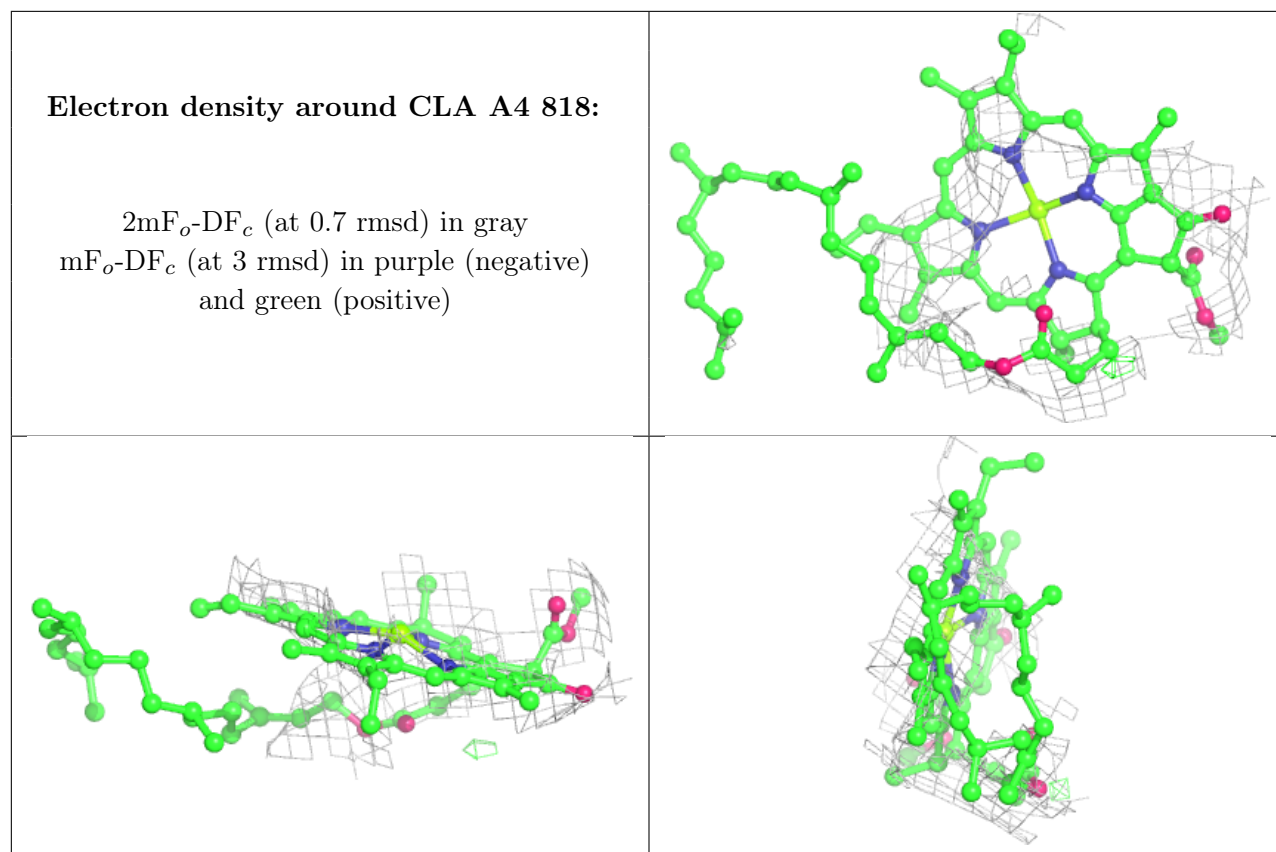




**Electron density around CLA B6 830:**

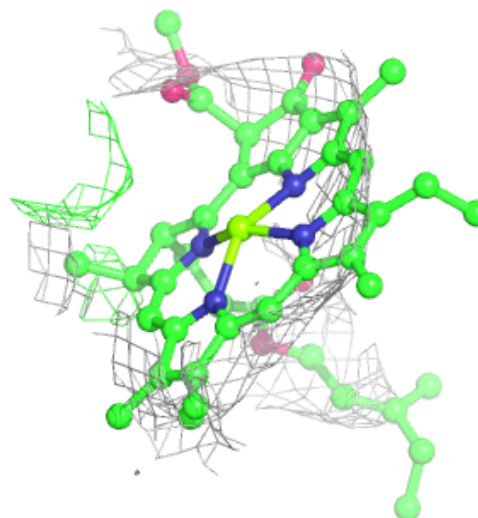
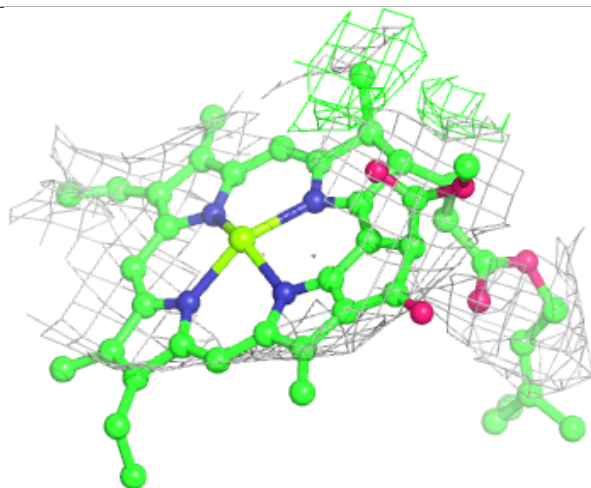
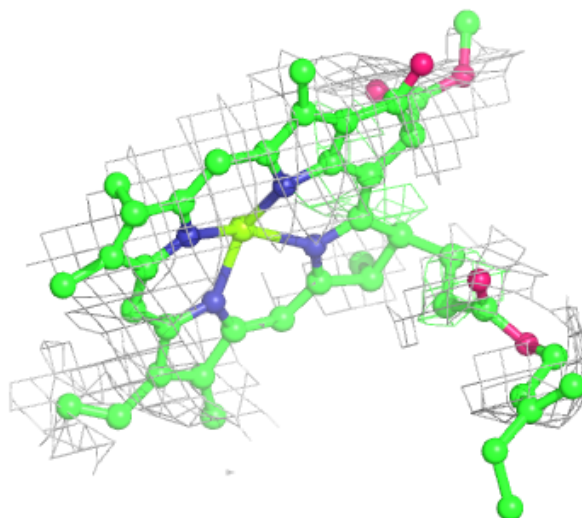
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

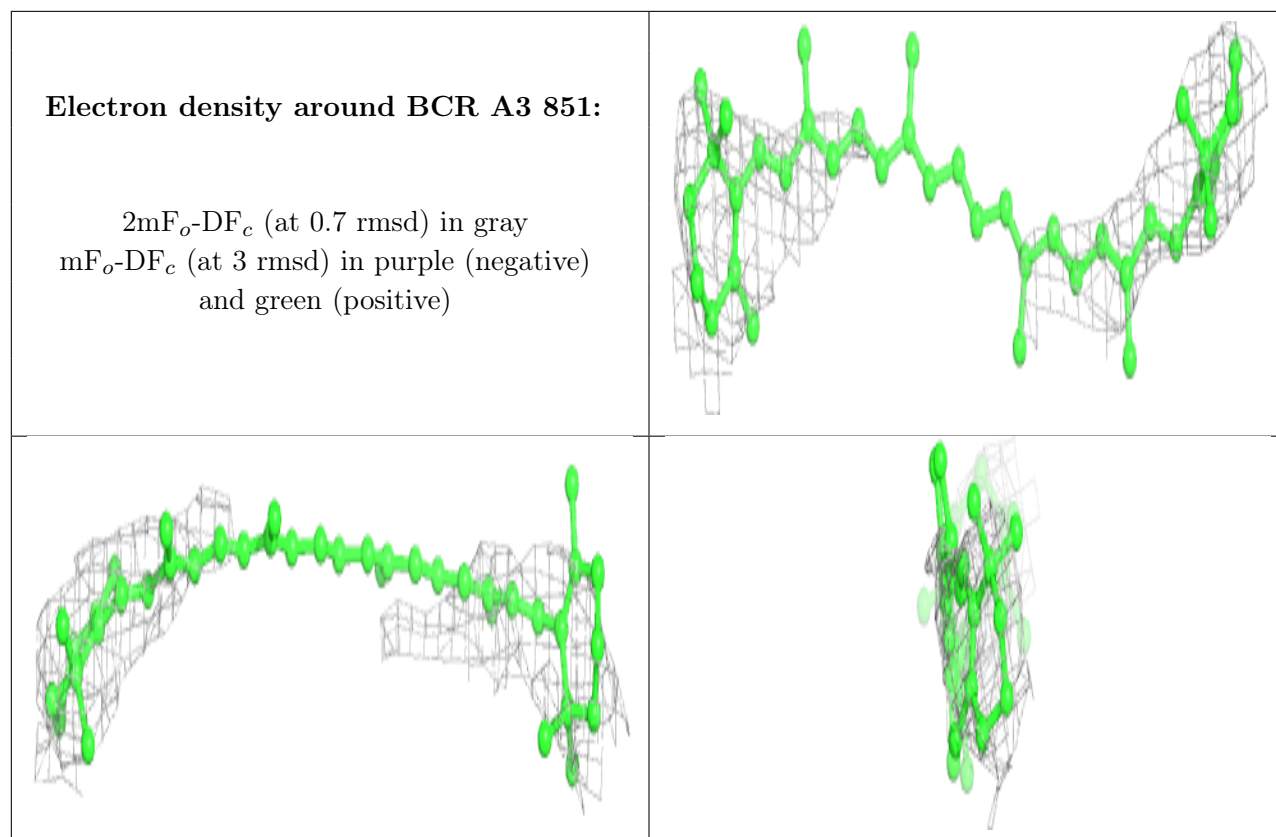




**Electron density around CLA A1 806:**

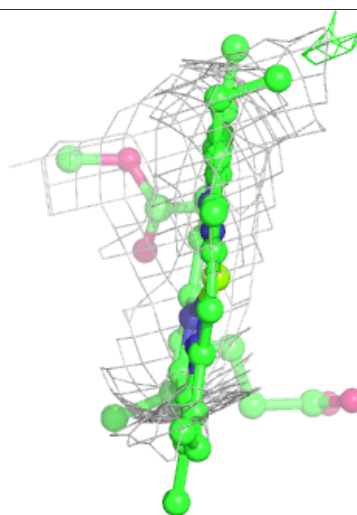
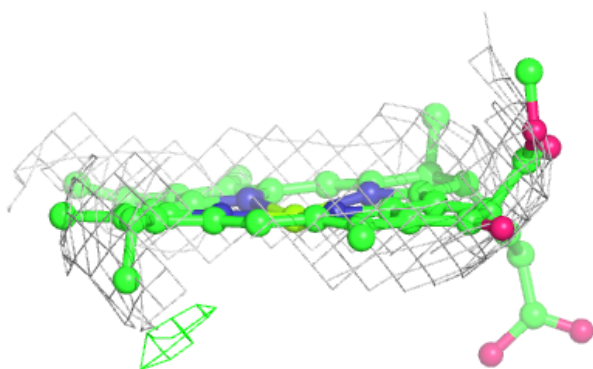
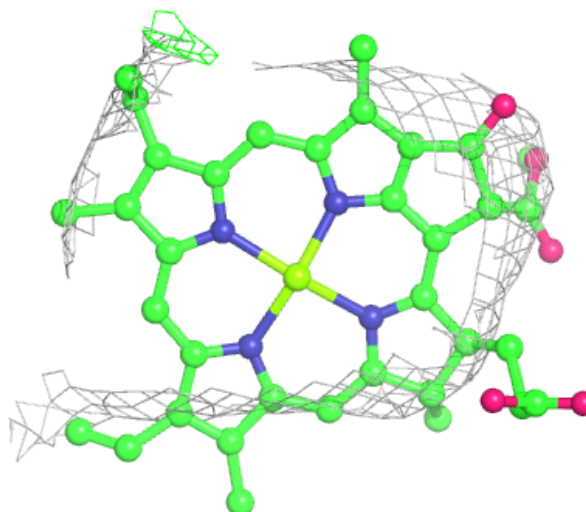
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





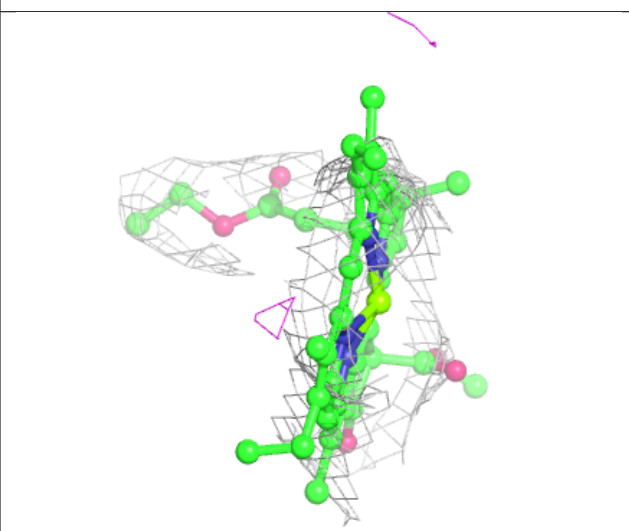
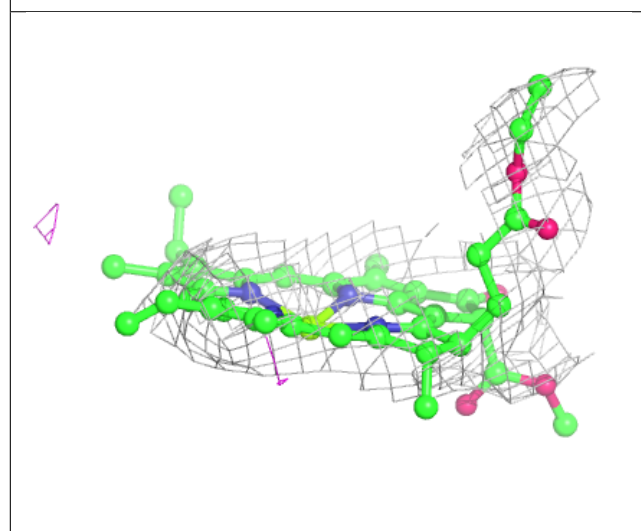
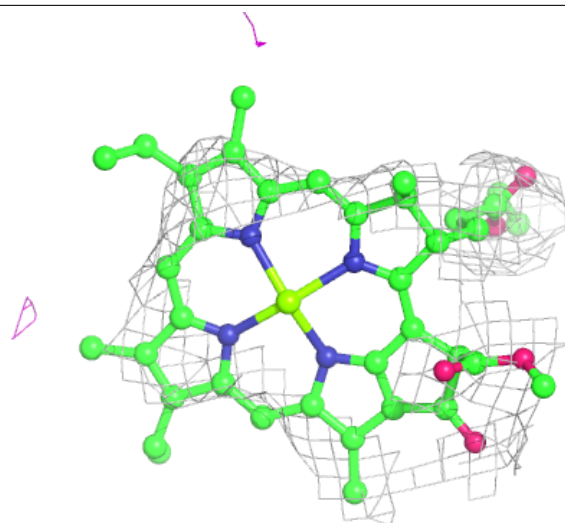
**Electron density around CLA J6 1102:**

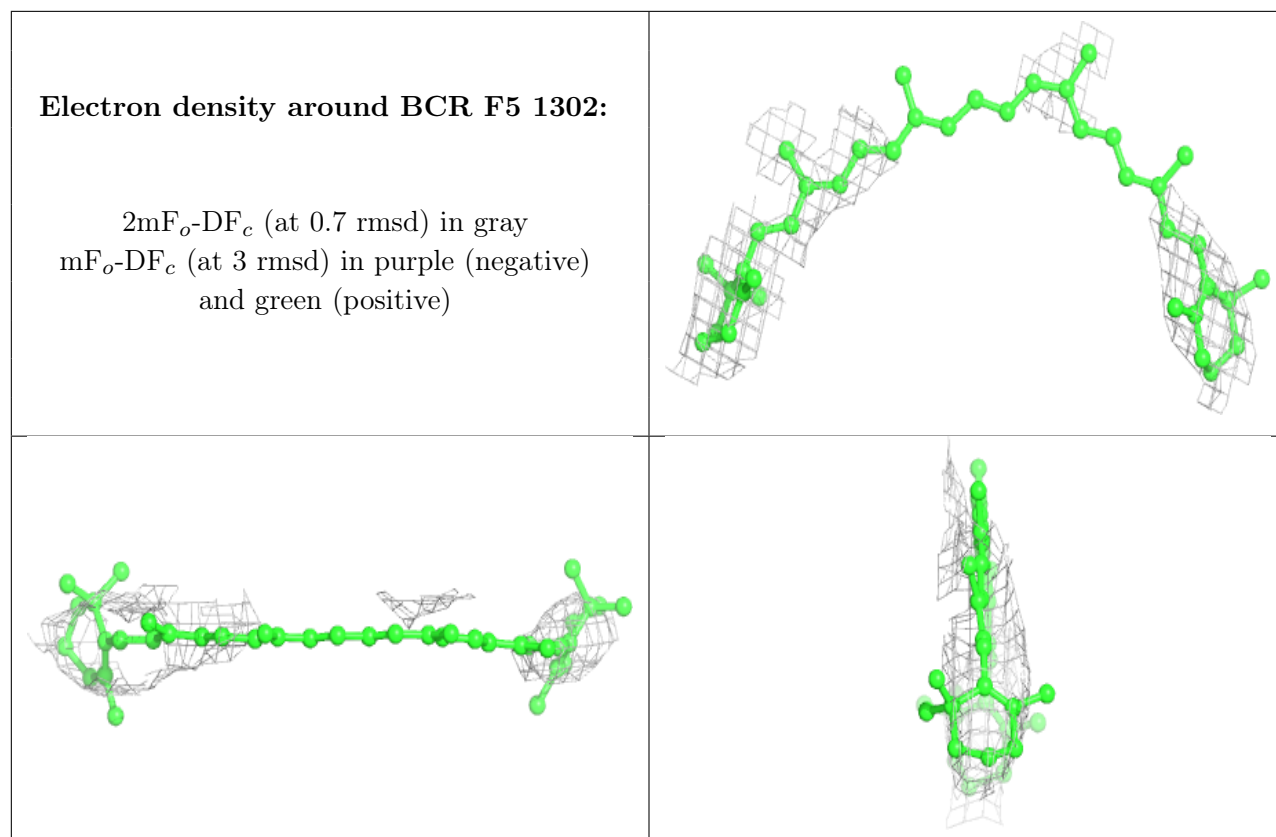
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B5 1841:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

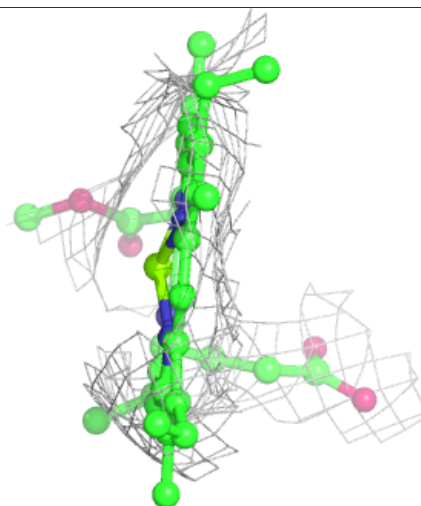
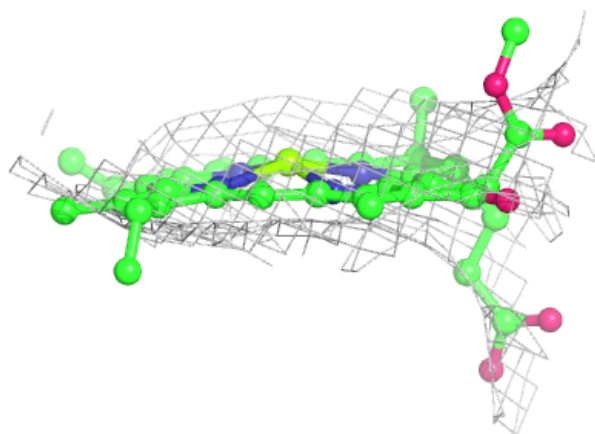
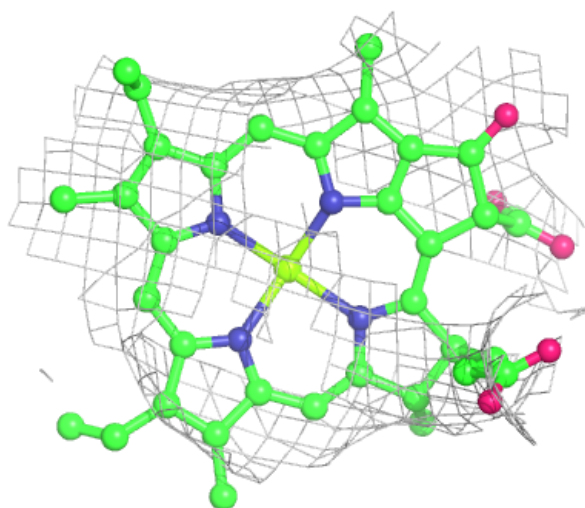


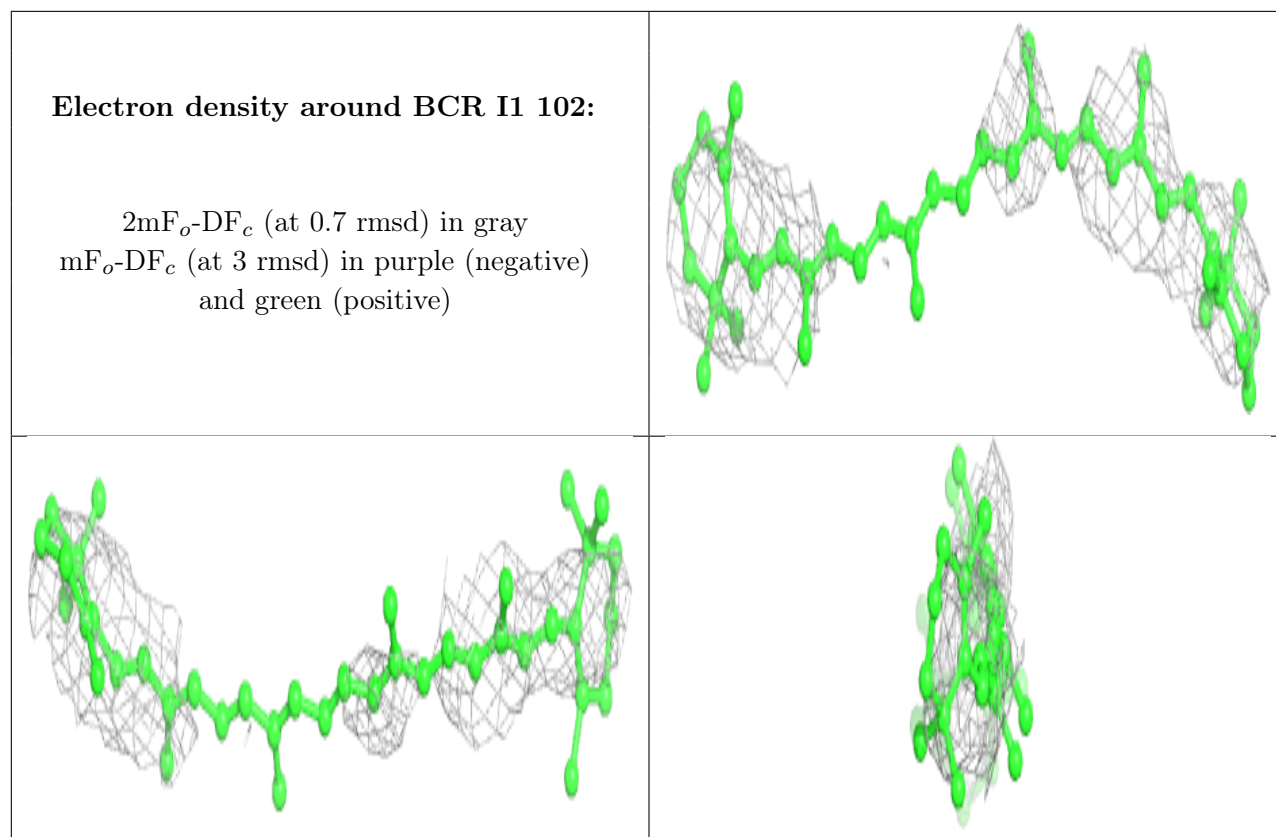




**Electron density around CLA A1 813:**

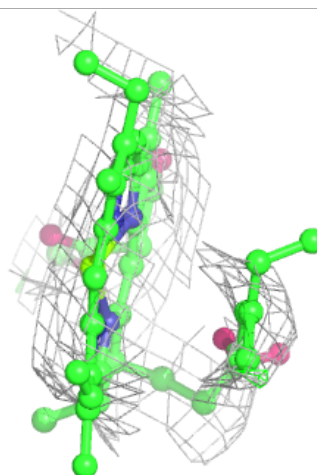
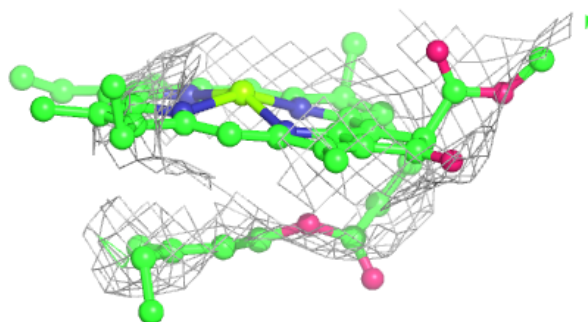
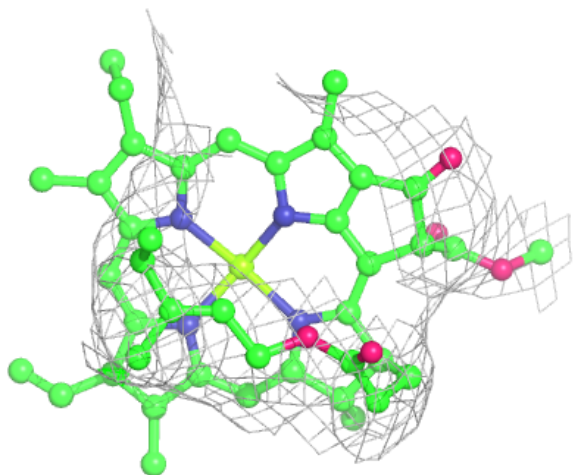
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





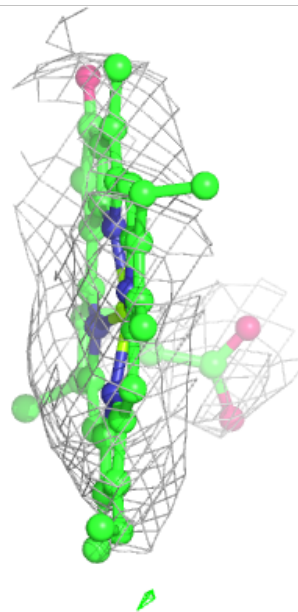
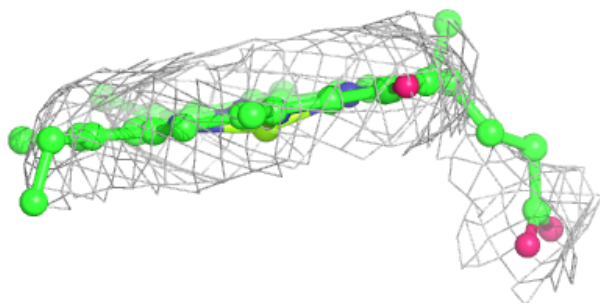
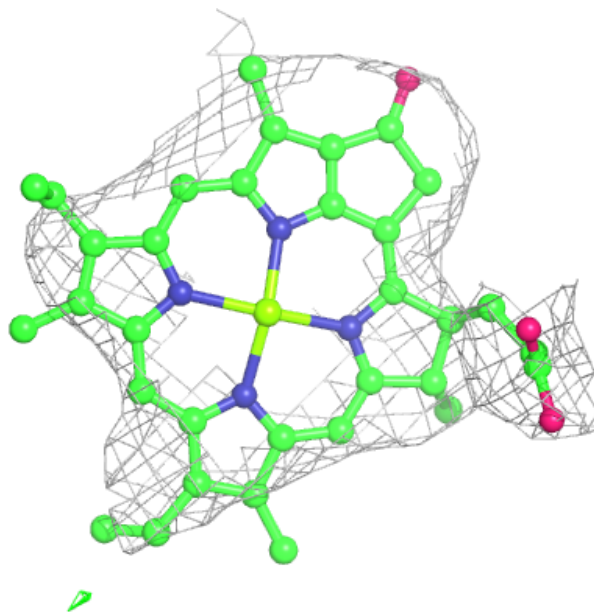
**Electron density around CLA A4 822:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



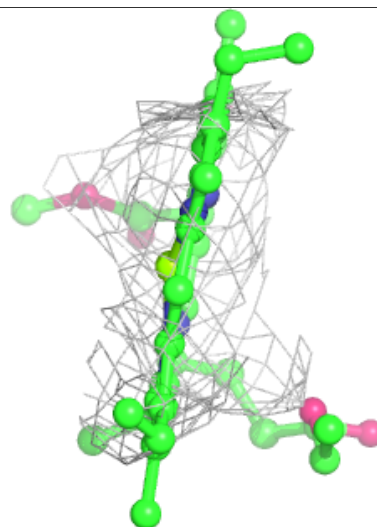
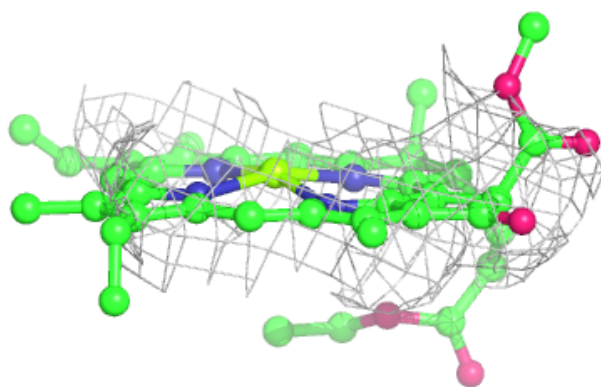
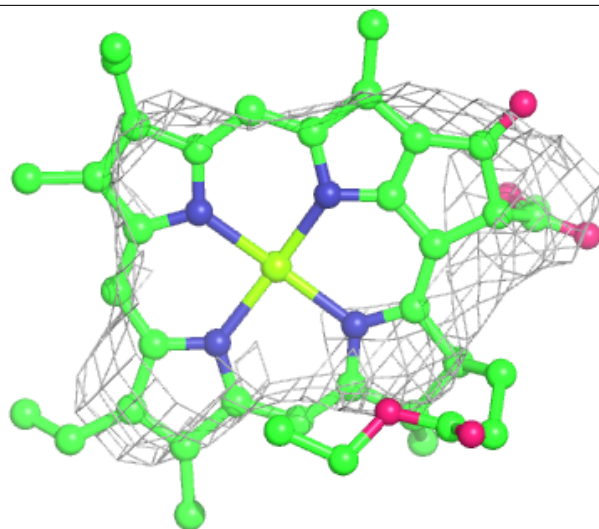
**Electron density around CLA K5 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



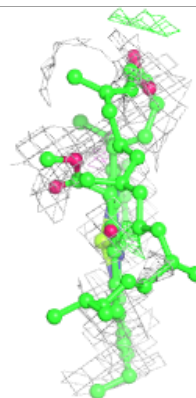
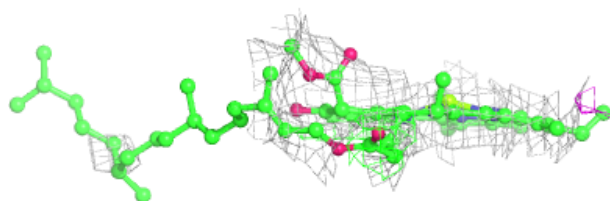
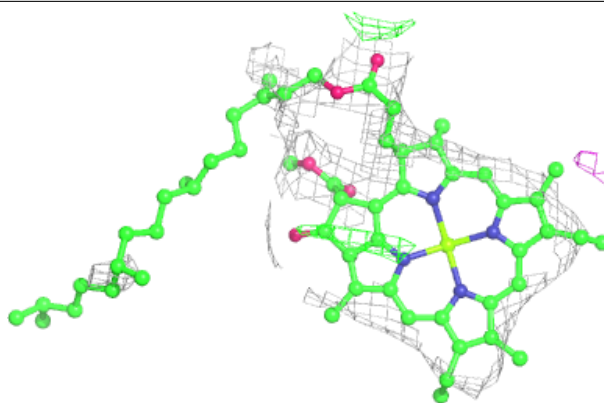
**Electron density around CLA B3 1822:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

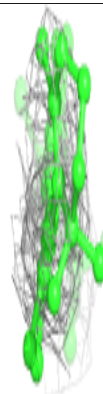
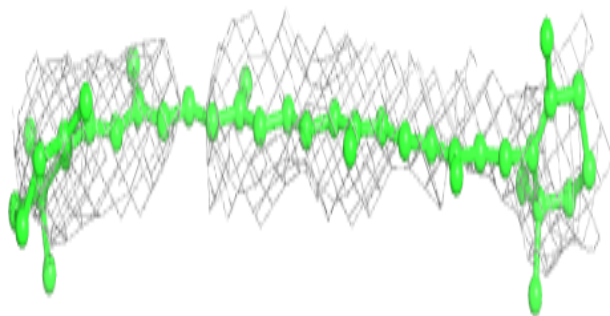
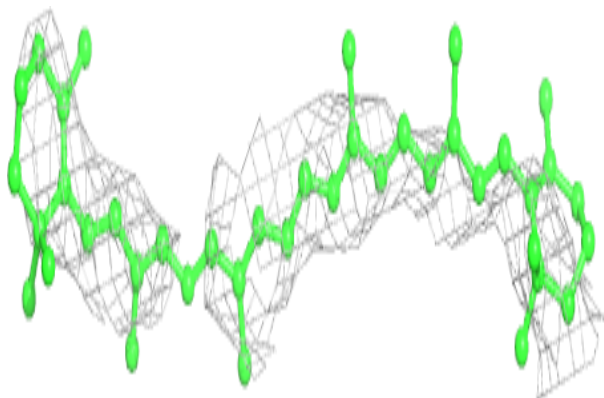


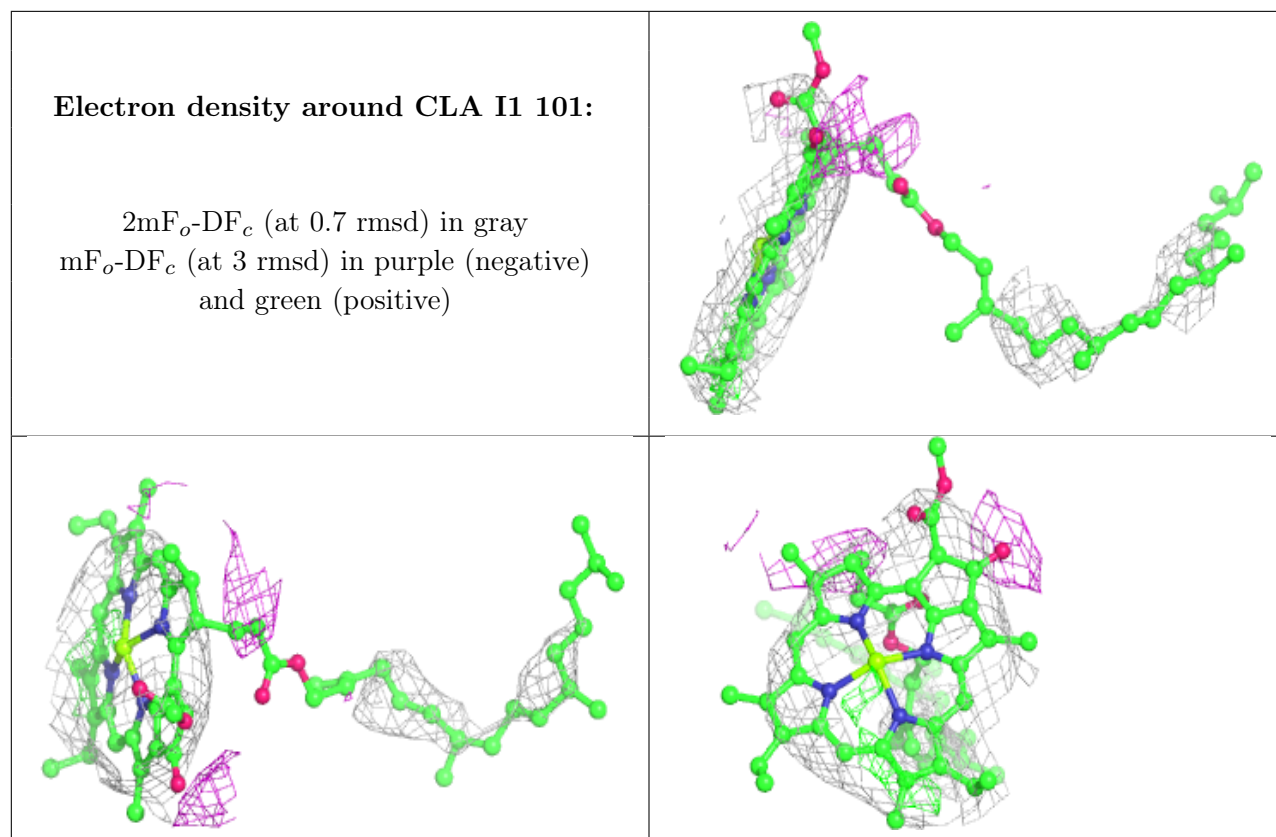
**Electron density around CLA L5 206:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR J3 103:**

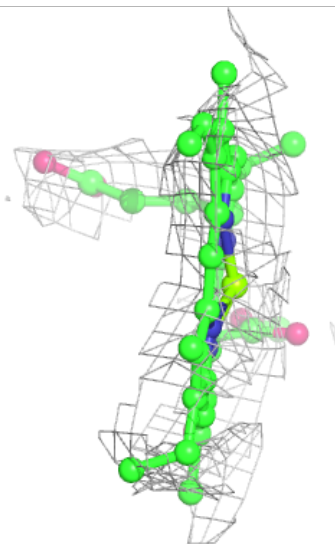
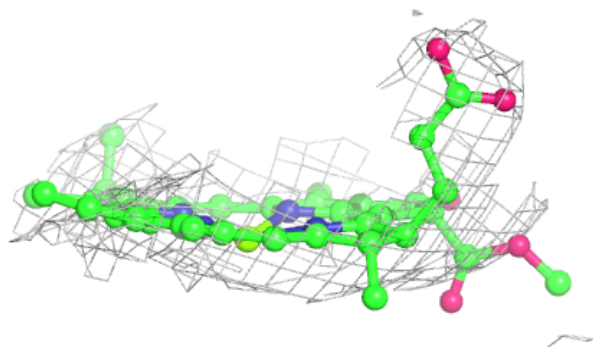
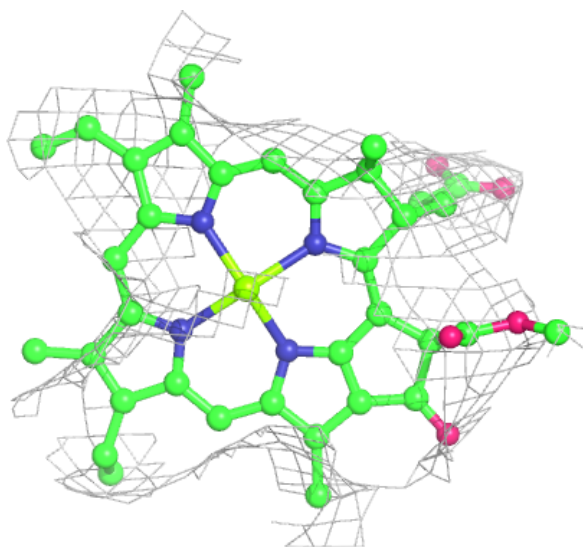
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





**Electron density around CLA B1 836:**

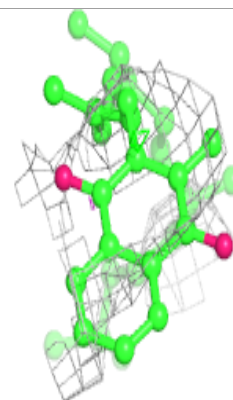
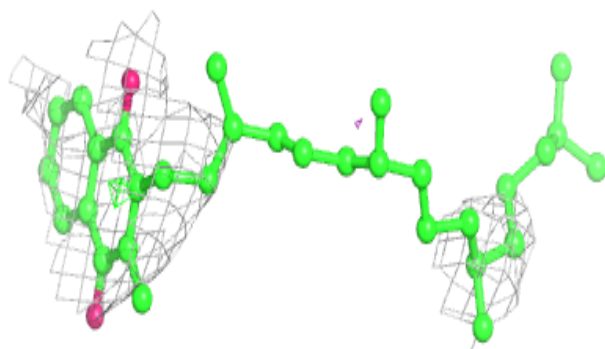
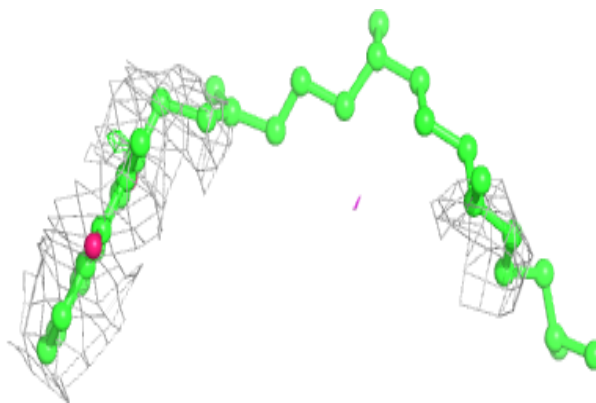
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



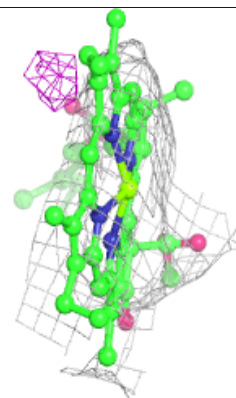
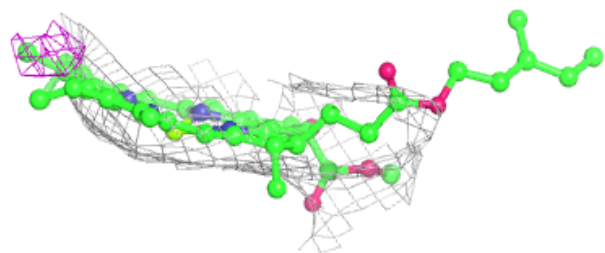
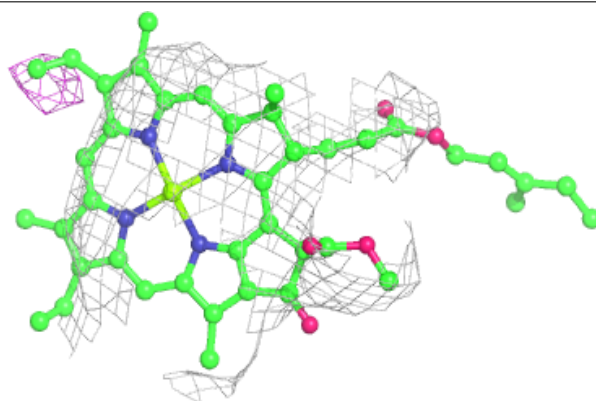


**Electron density around PQN B1 842:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

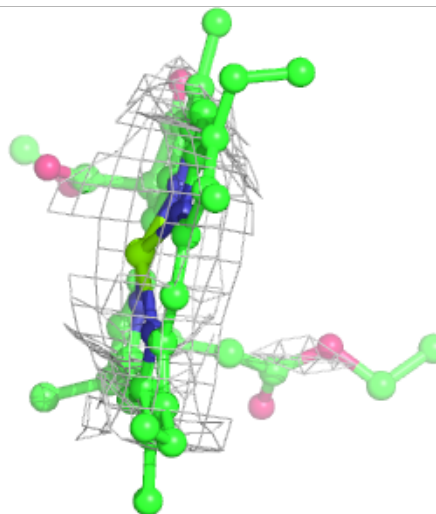
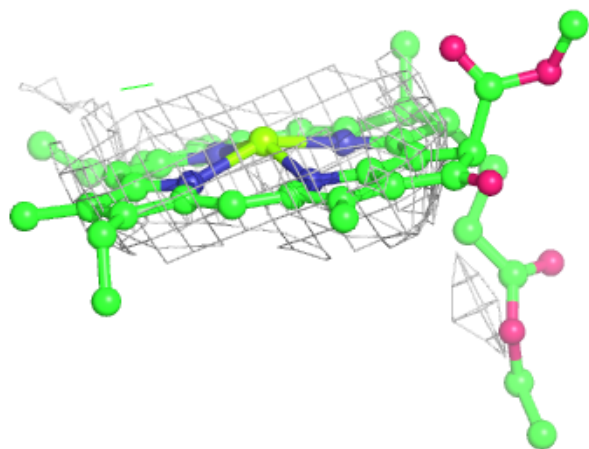
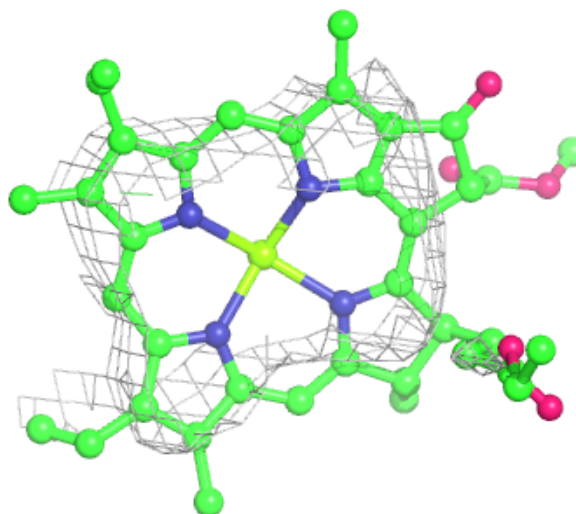
**Electron density around CLA A4 839:**

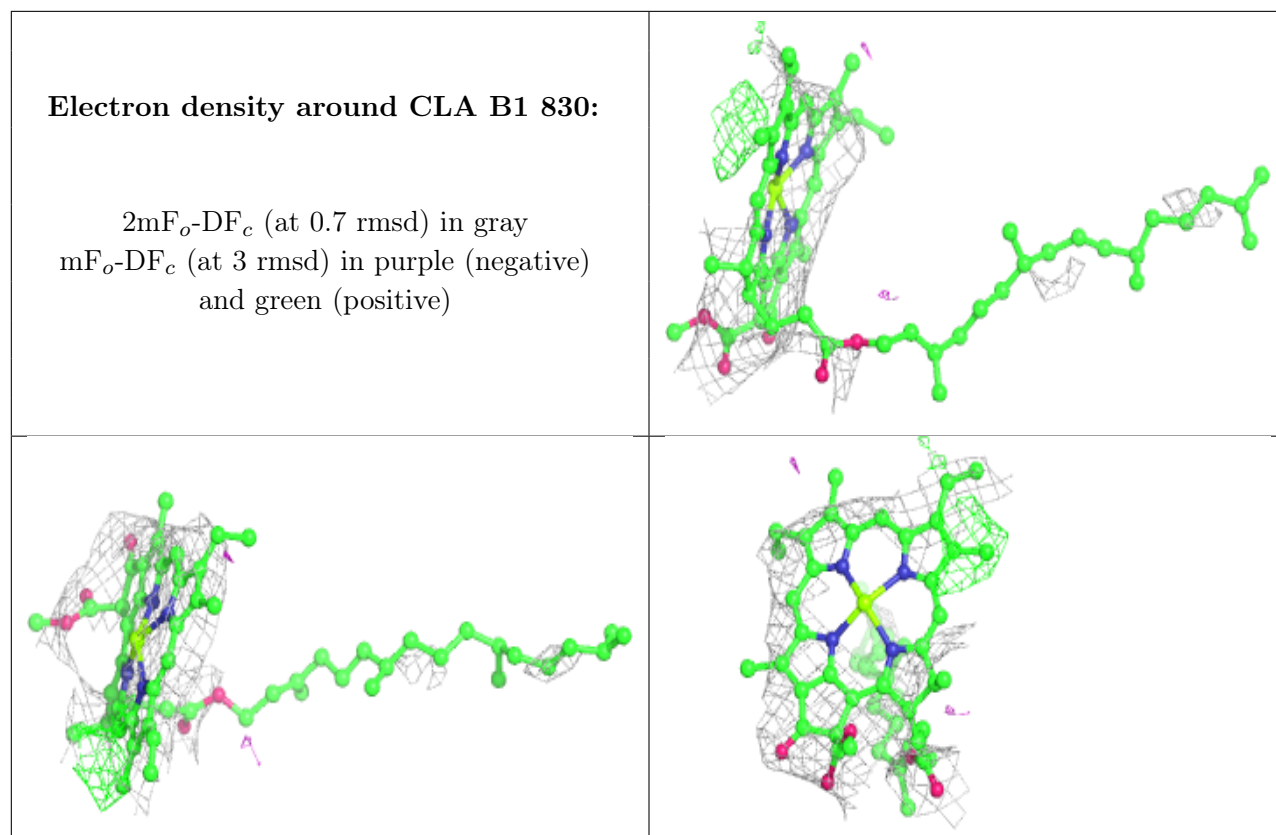
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B4 841:**

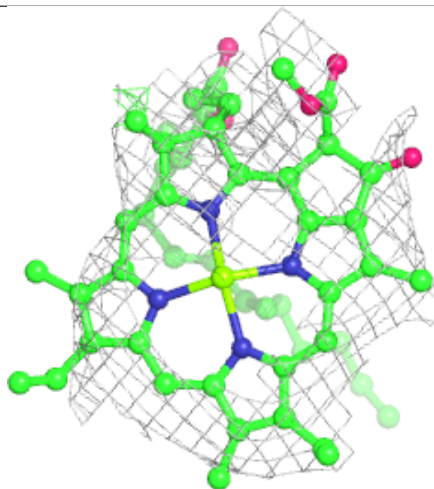
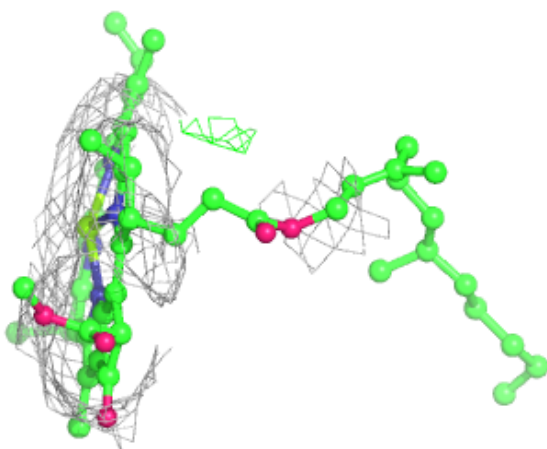
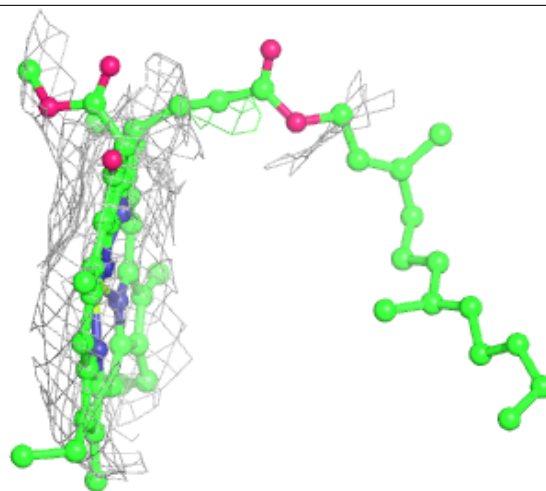
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

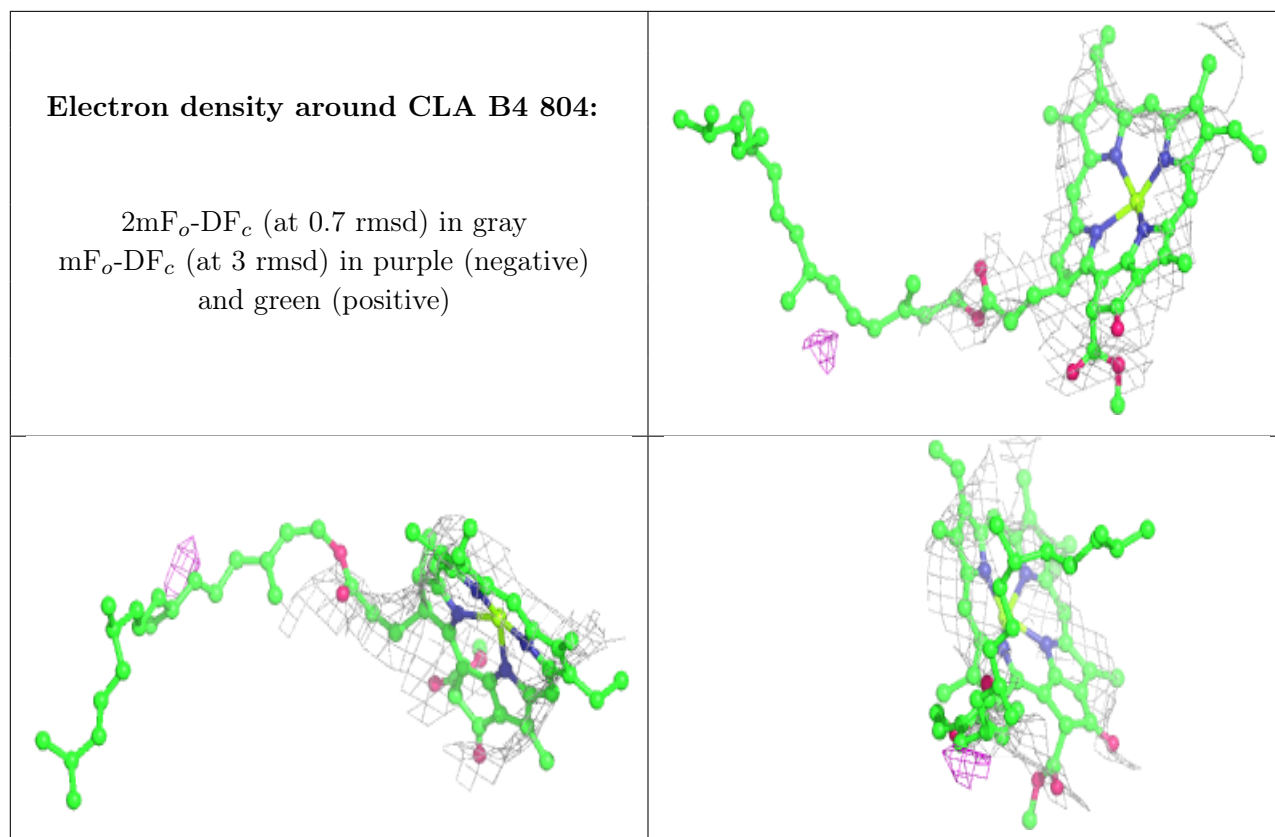




**Electron density around CLA A4 803:**

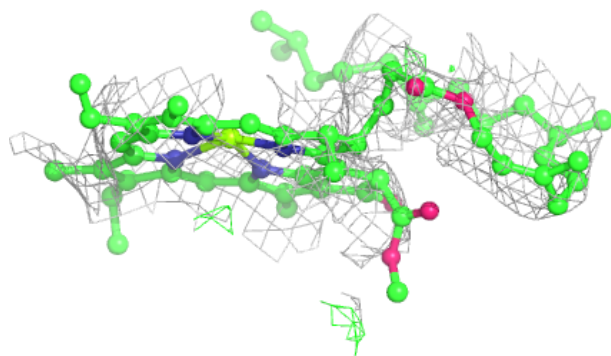
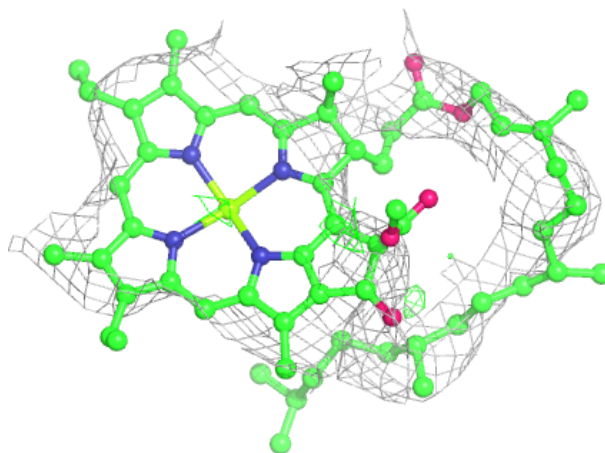
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





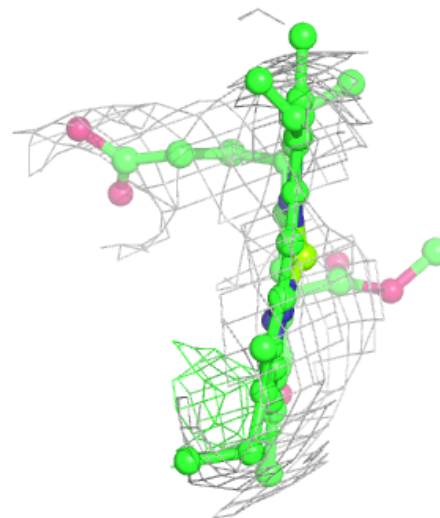
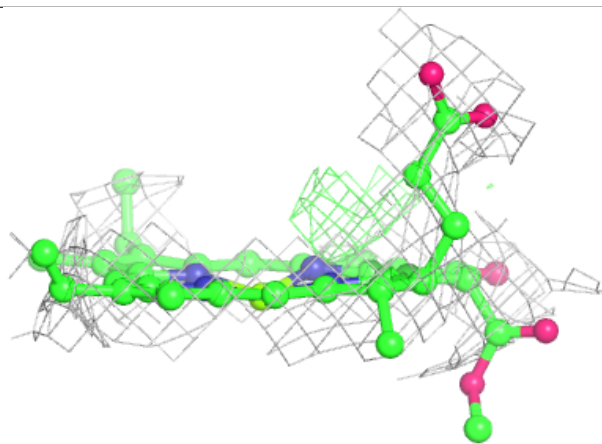
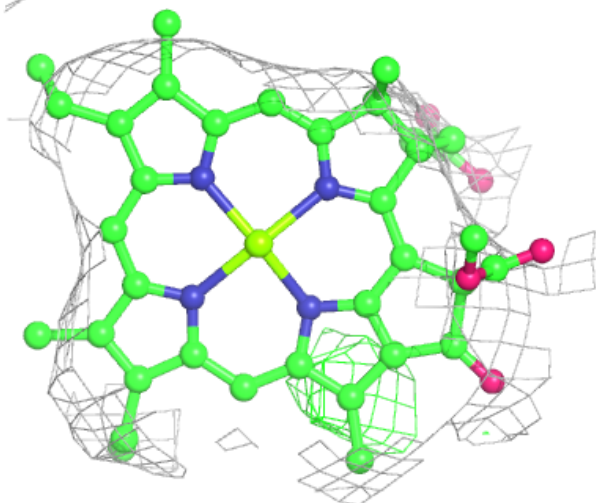
**Electron density around CLA B1 807:**

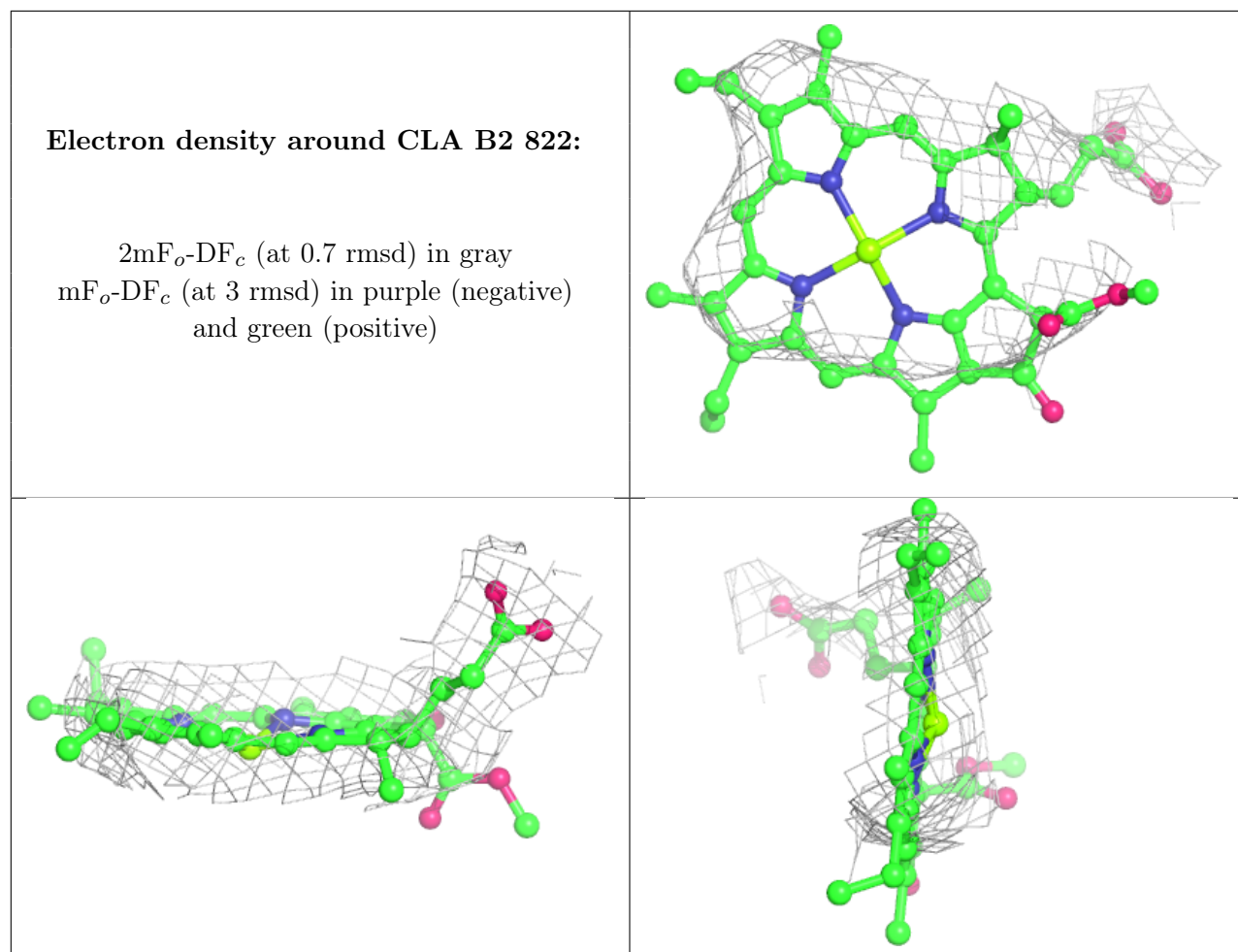
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A2 1617:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

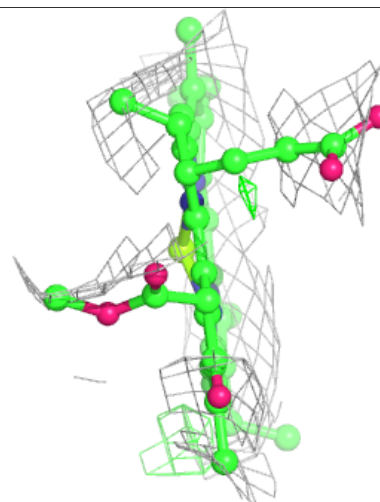
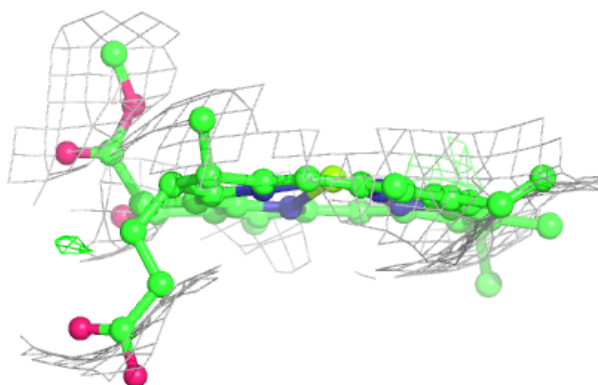
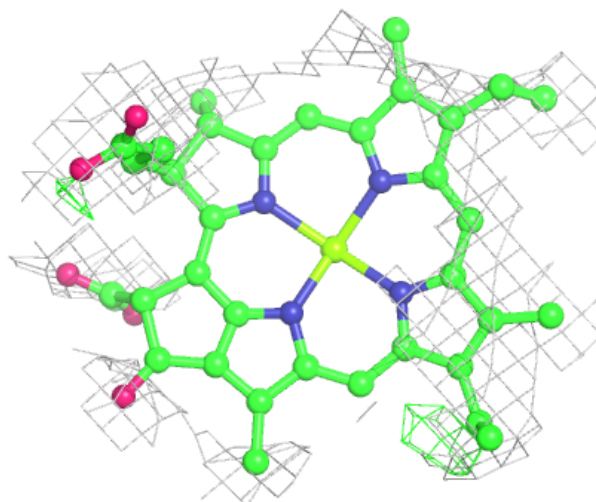


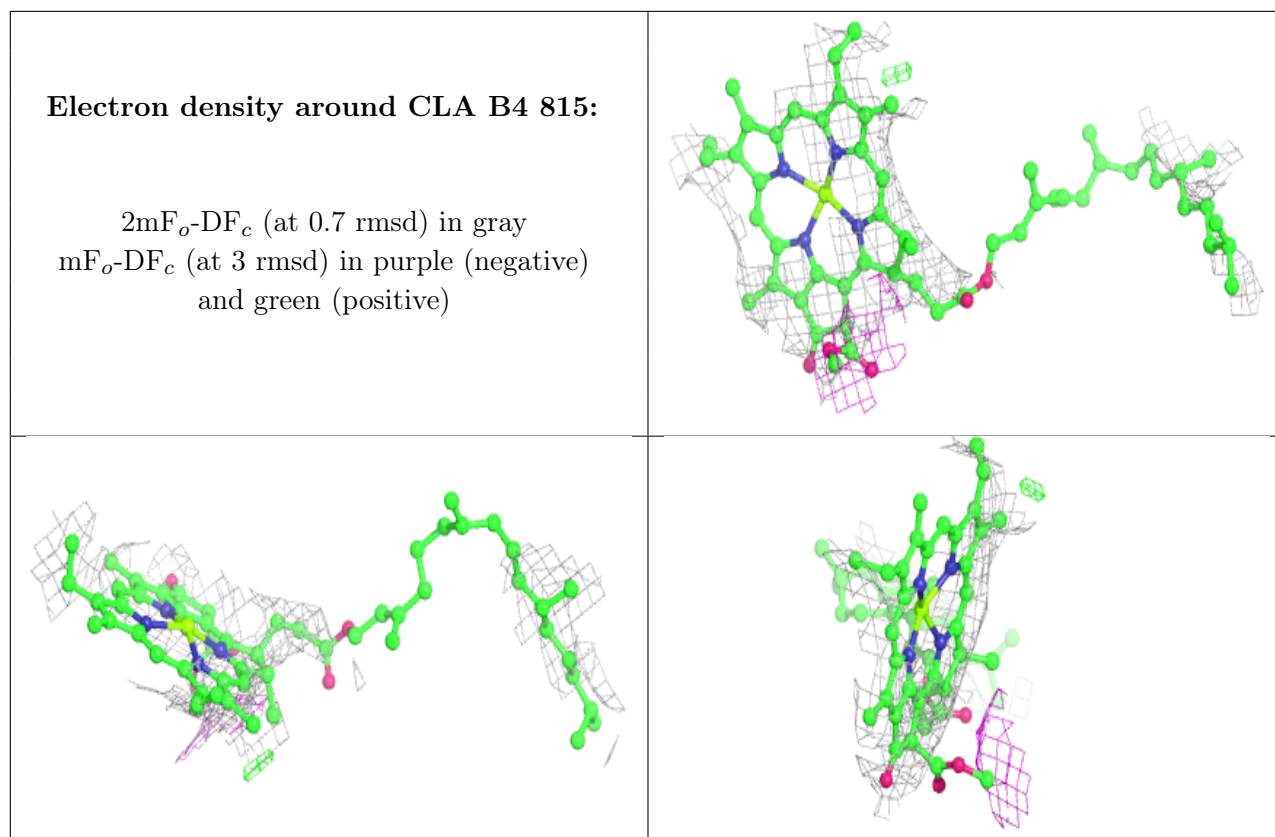




**Electron density around CLA A4 813:**

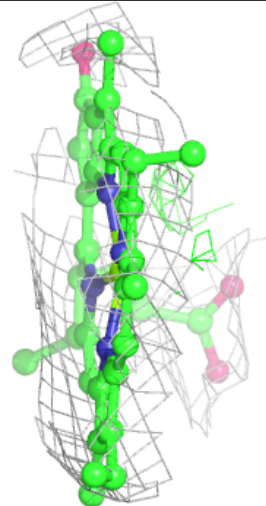
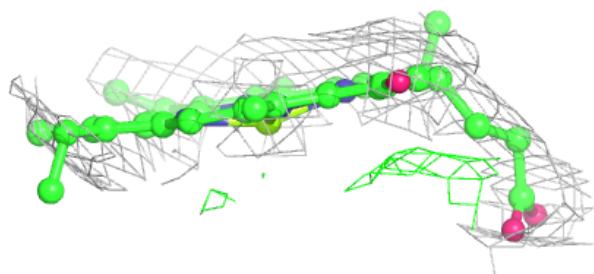
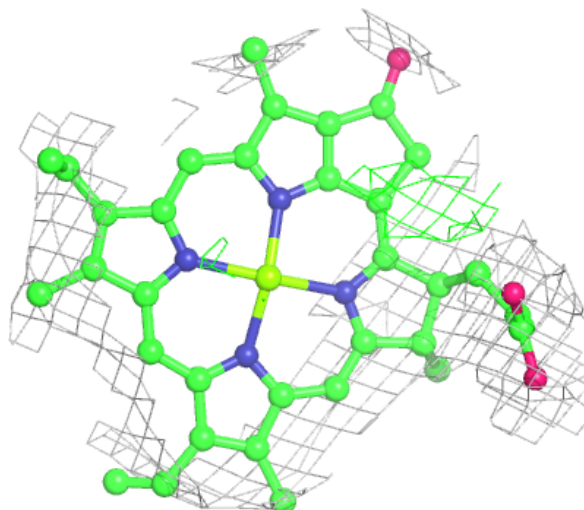
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





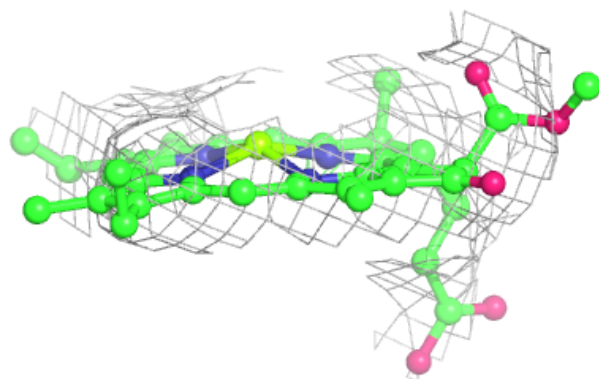
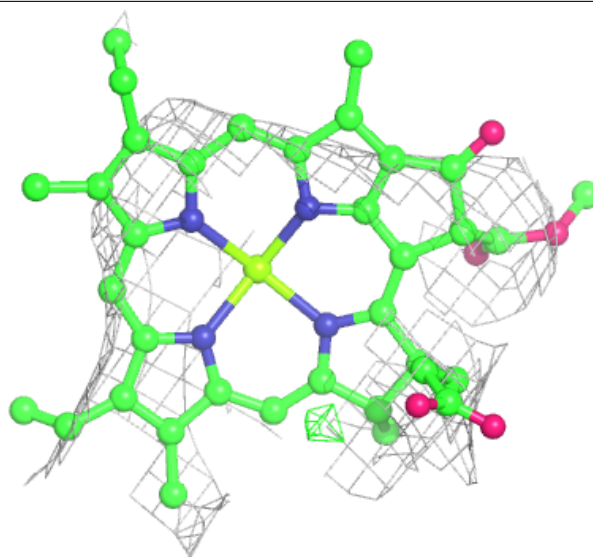
**Electron density around CLA A6 1641:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



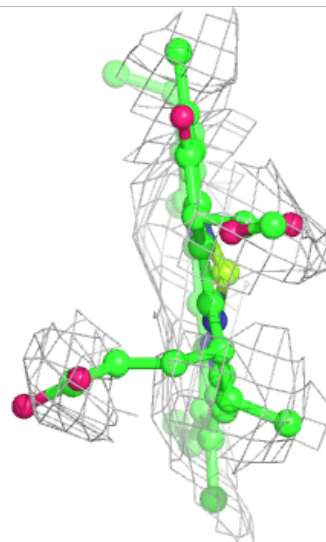
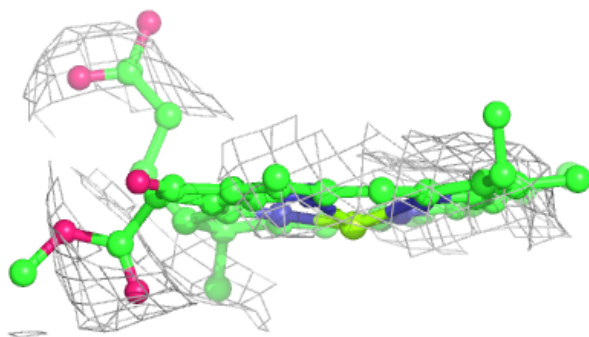
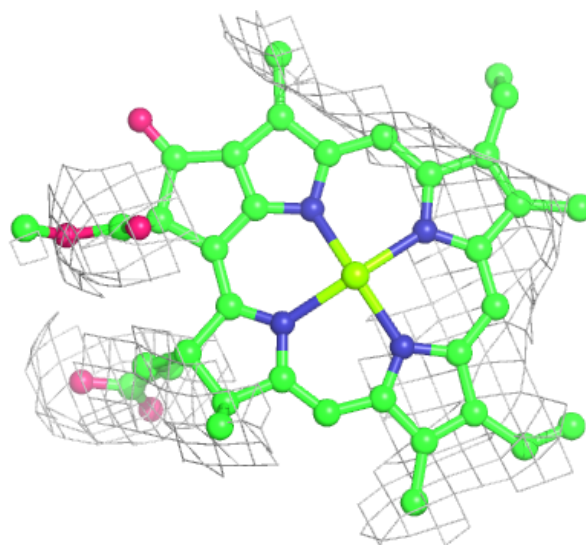
**Electron density around CLA B6 811:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



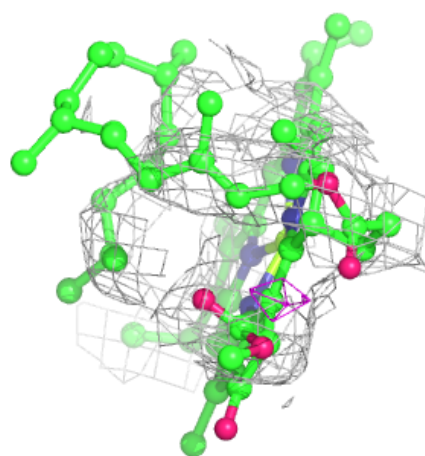
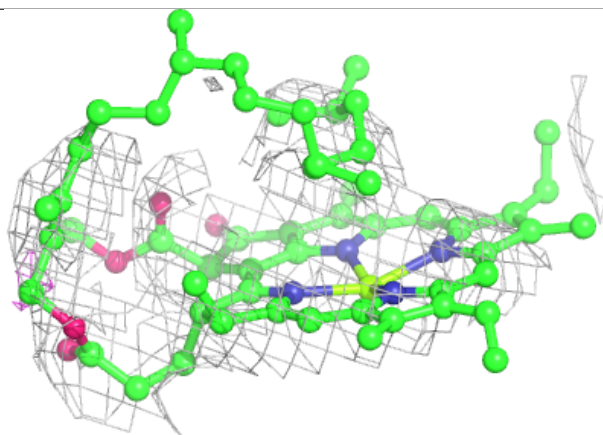
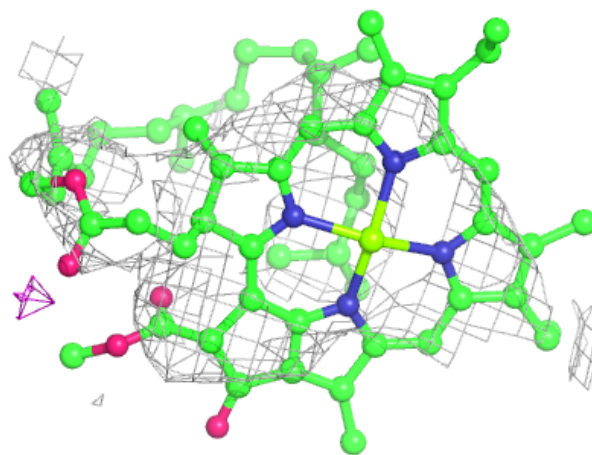
**Electron density around CLA B3 1837:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



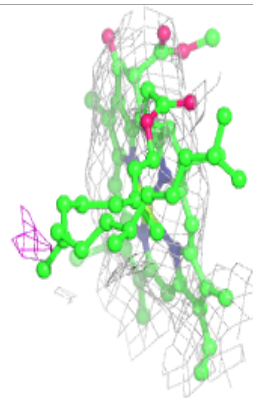
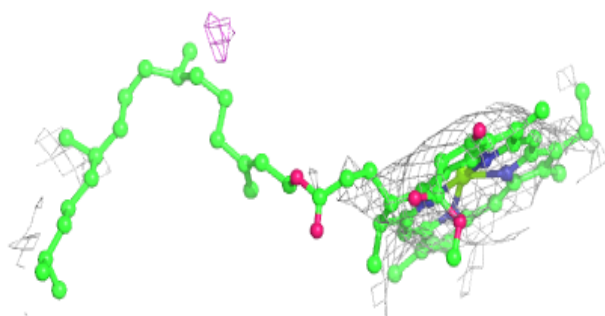
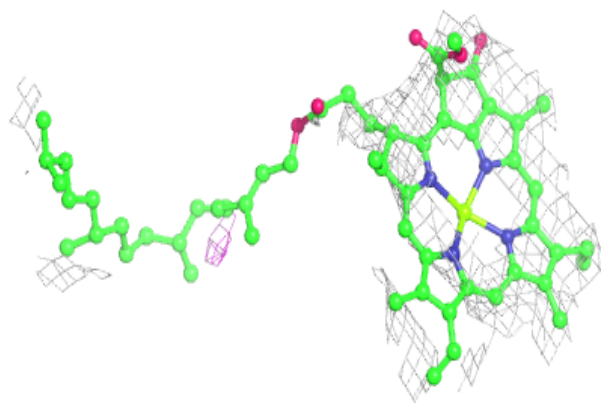
**Electron density around CLA B1 808:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

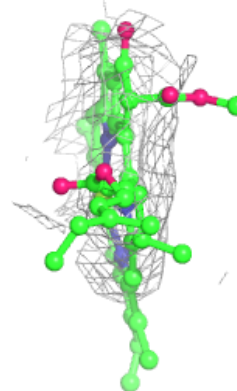
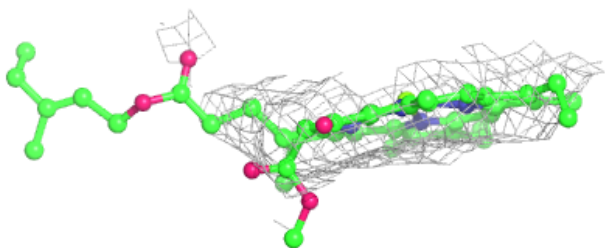
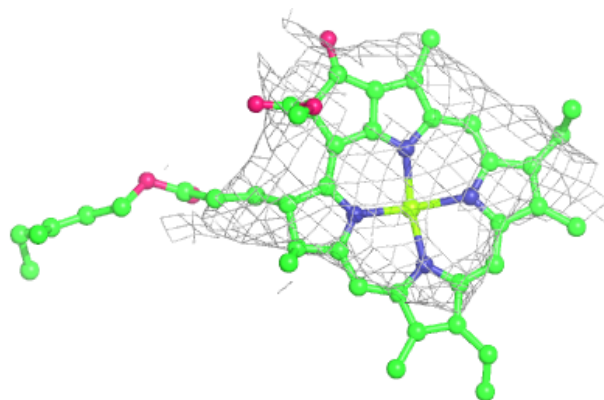


**Electron density around CLA B3 1815:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

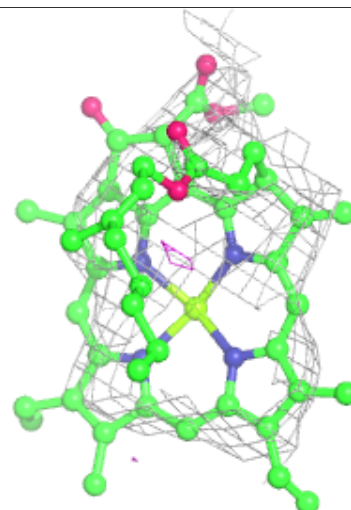
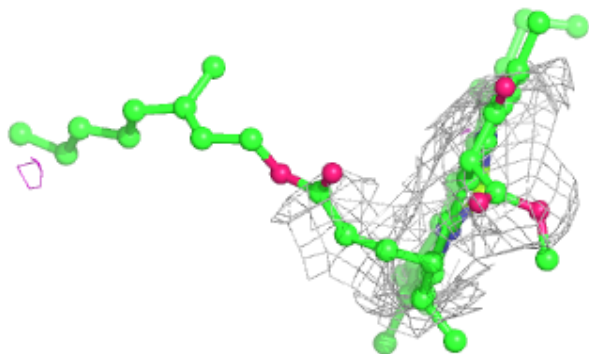
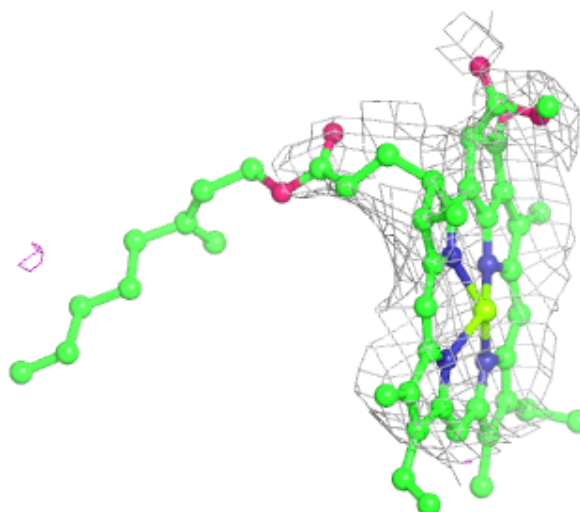
**Electron density around CLA A4 835:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA M1 1201:**

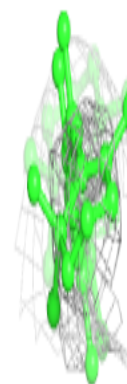
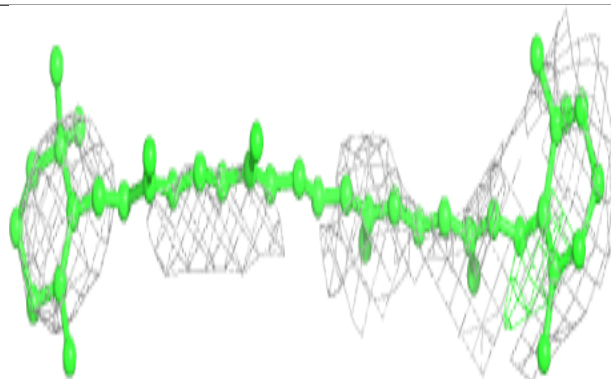
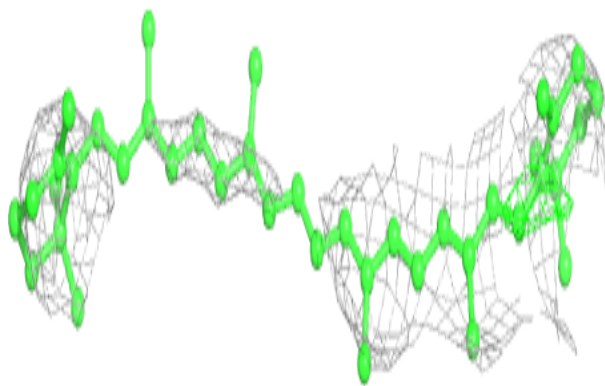
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



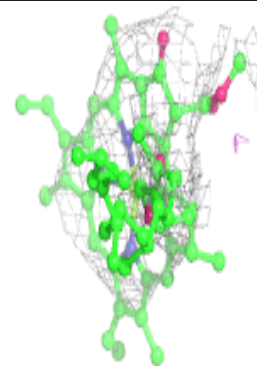
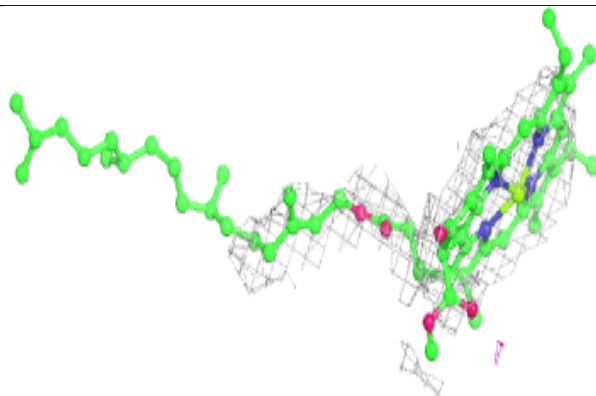
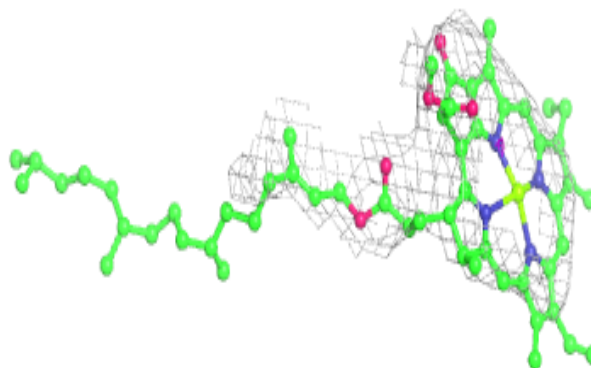


**Electron density around BCR A3 848:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

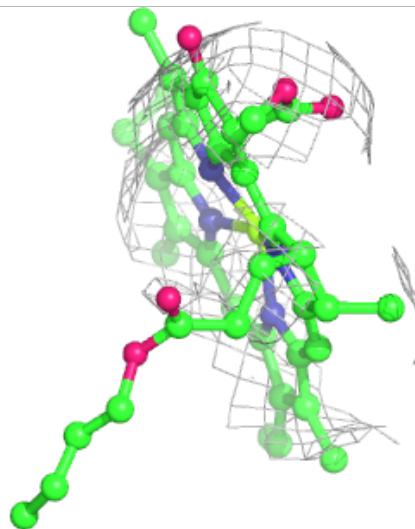
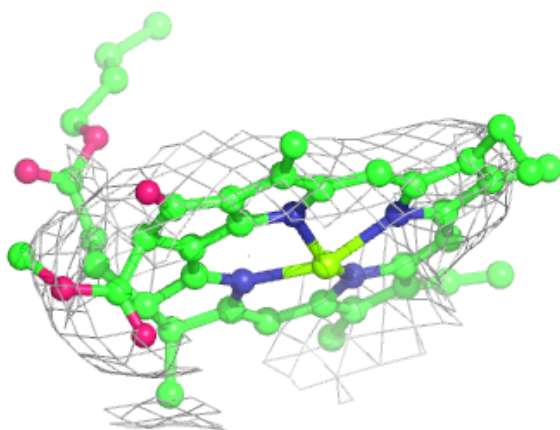
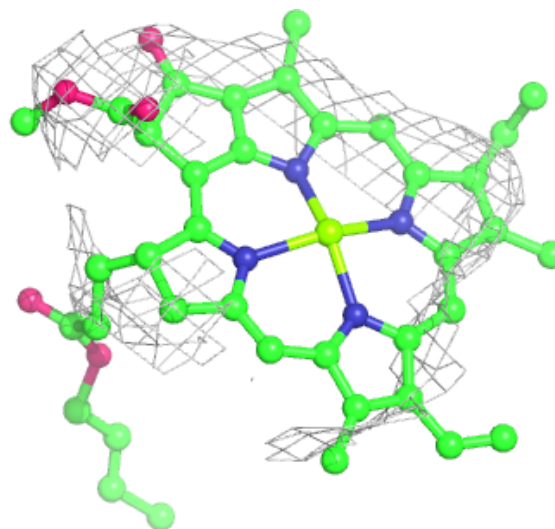
**Electron density around CLA A6 1609:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



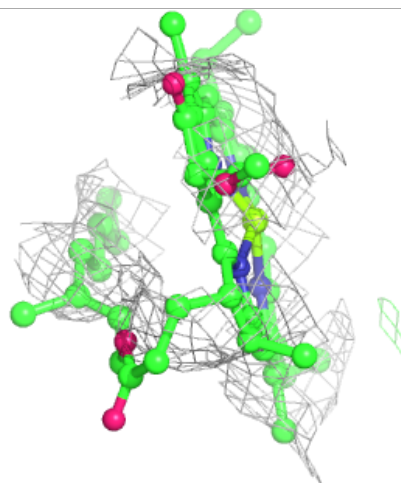
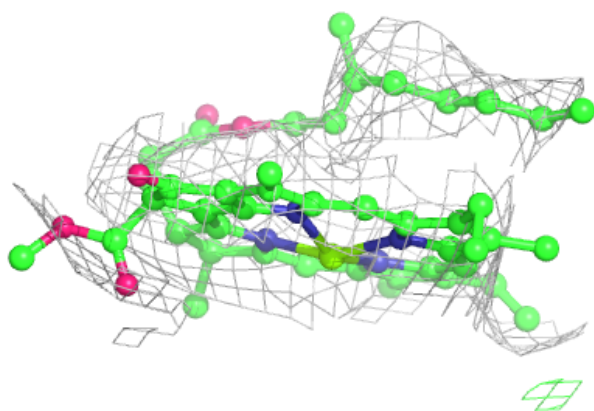
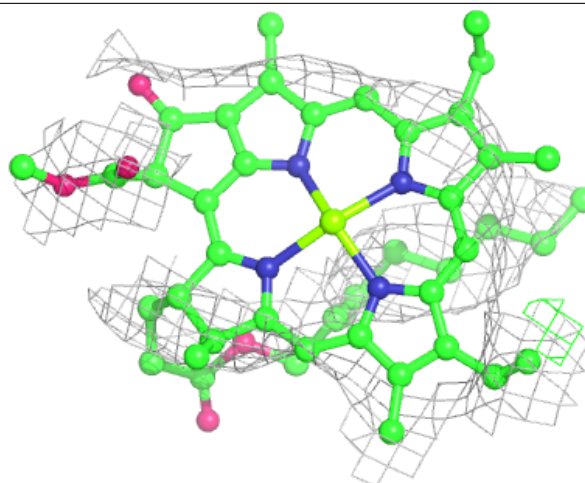
**Electron density around CLA A3 816:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



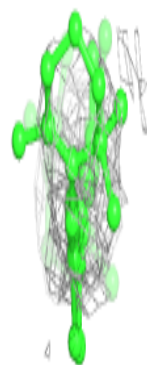
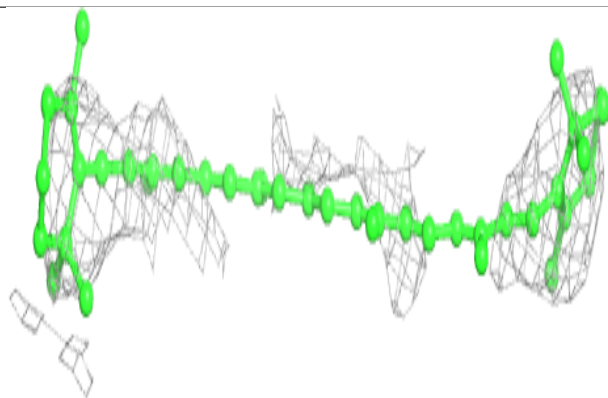
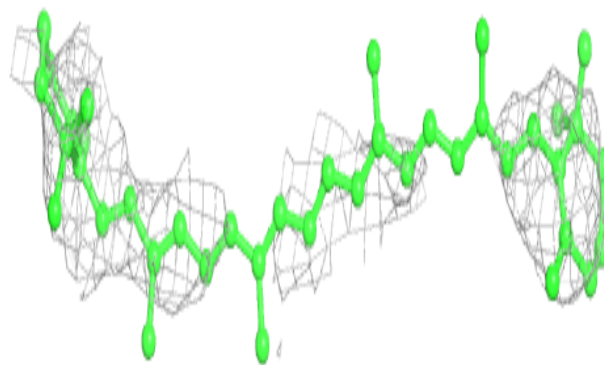
**Electron density around CLA A4 817:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

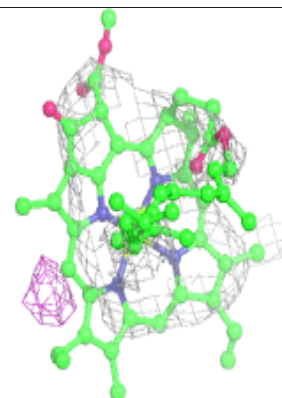
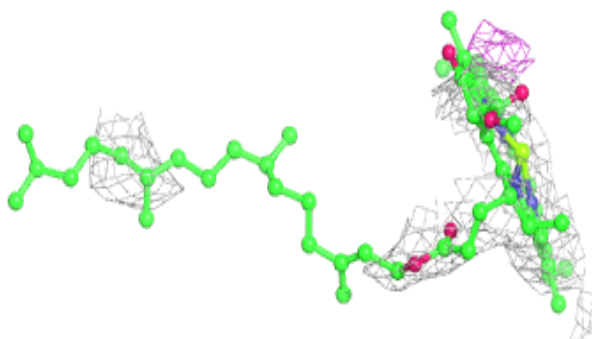
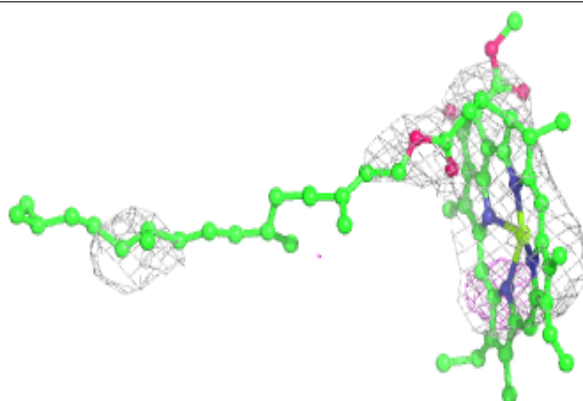


**Electron density around BCR A3 856:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

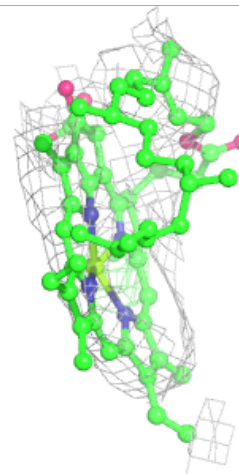
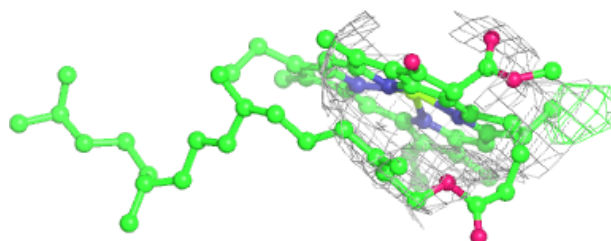
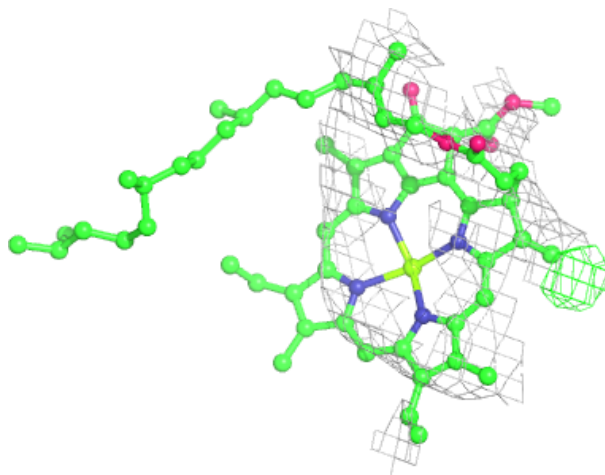
**Electron density around CLA B5 1830:**

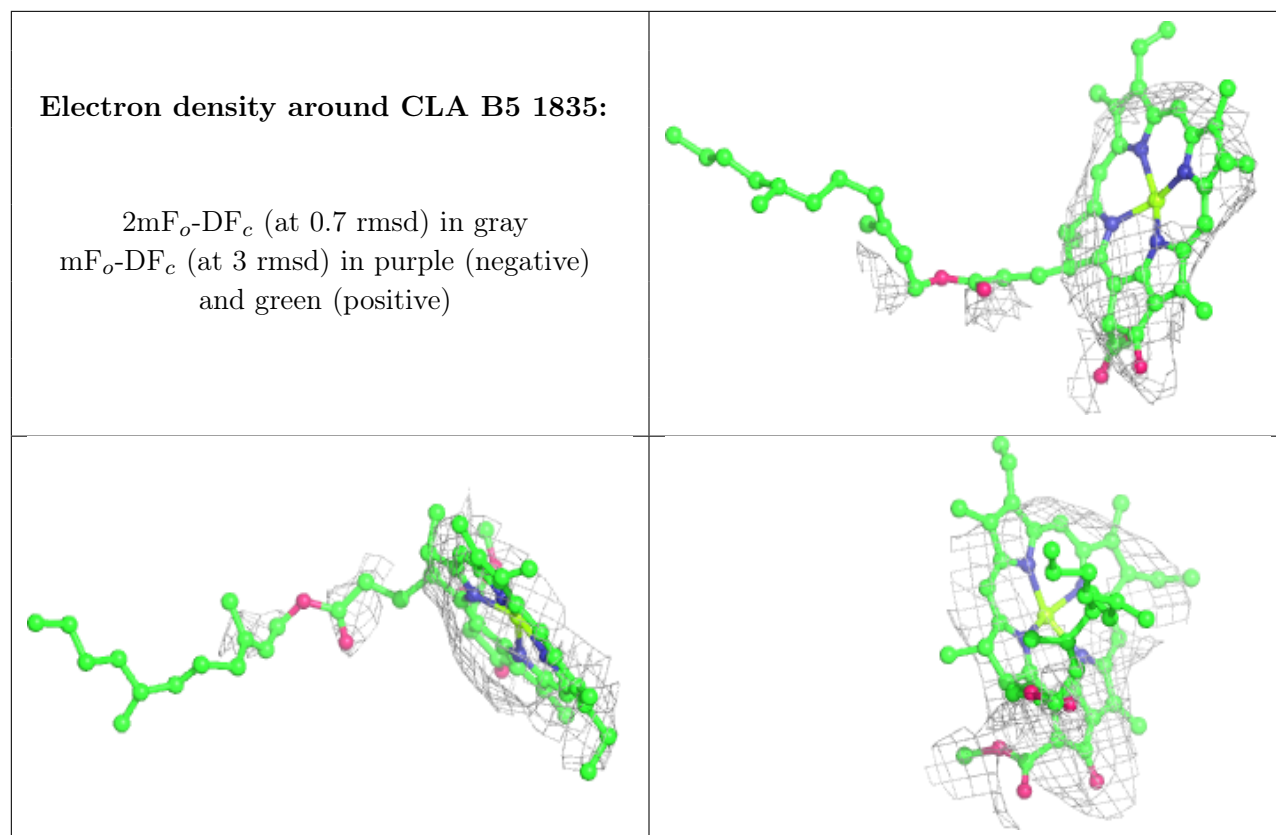
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A1 828:**

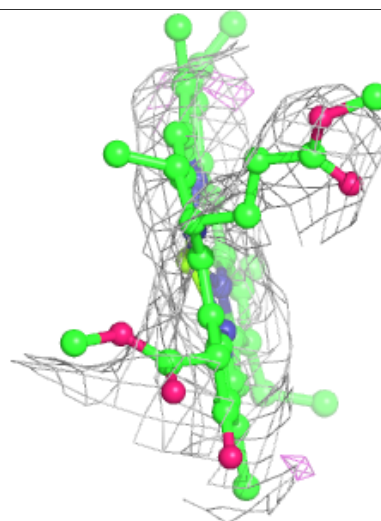
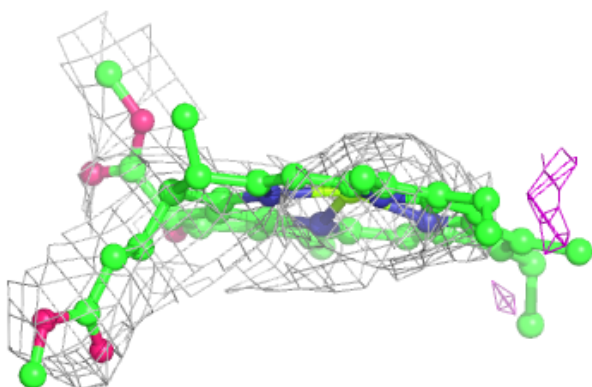
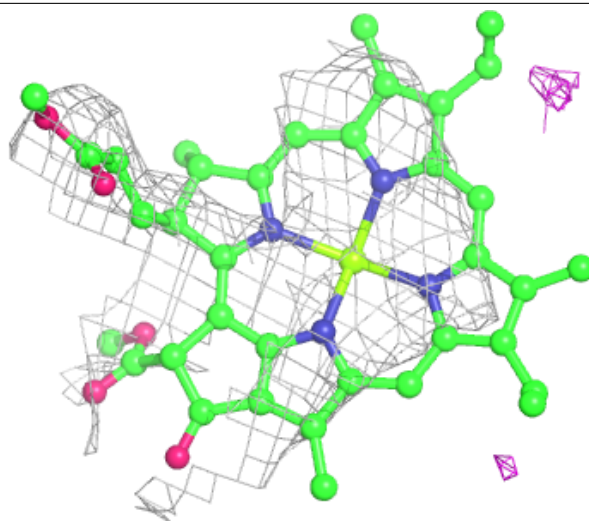
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





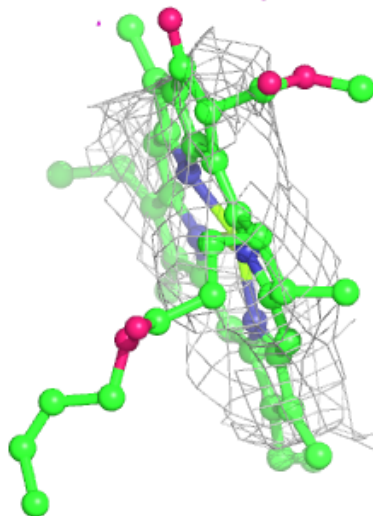
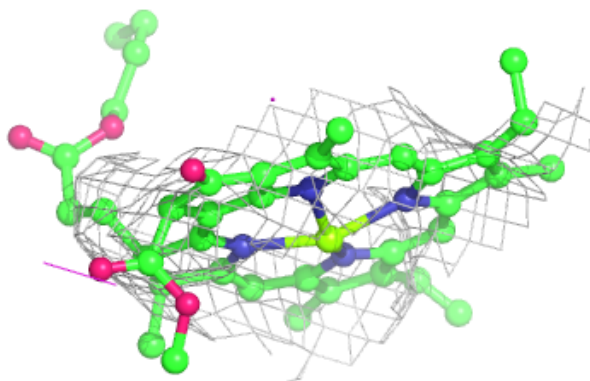
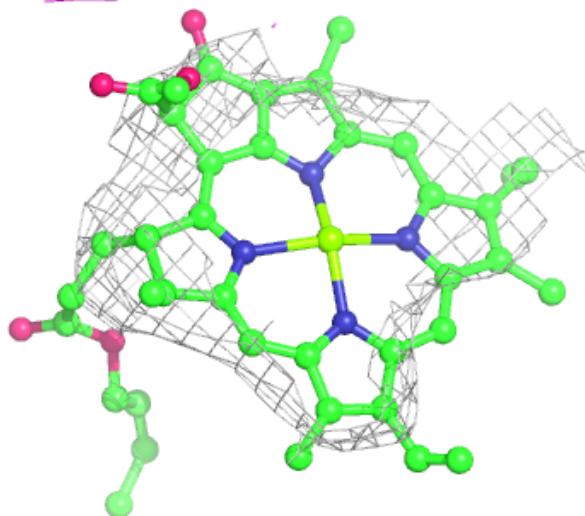
**Electron density around CLA B2 824:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A5 822:**

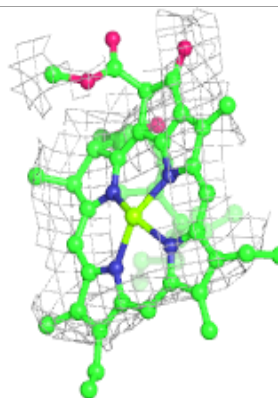
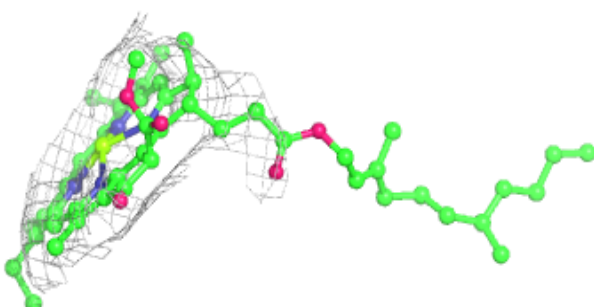
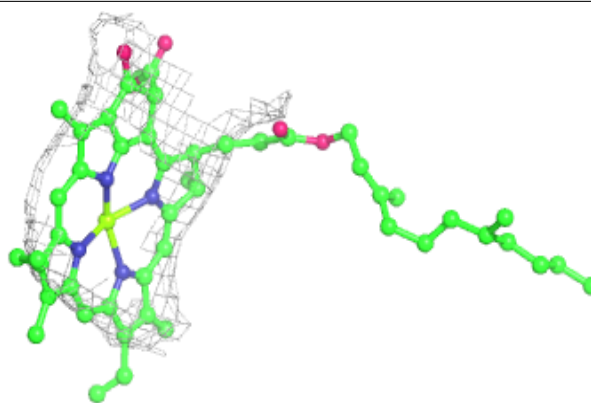
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



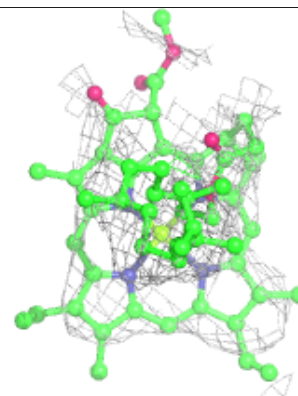
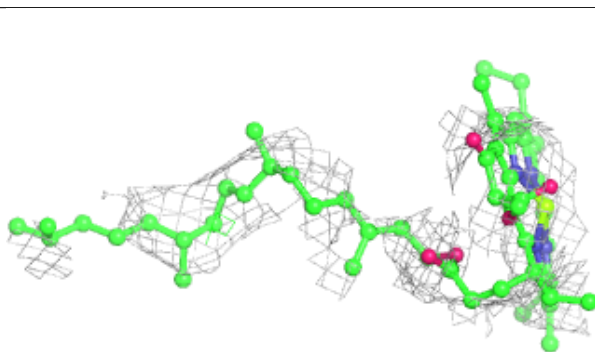
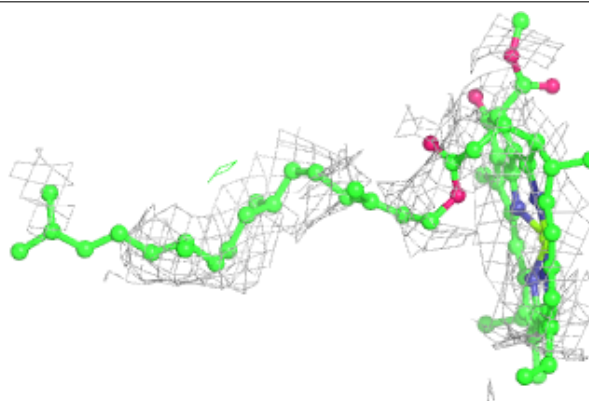


**Electron density around CLA B4 835:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

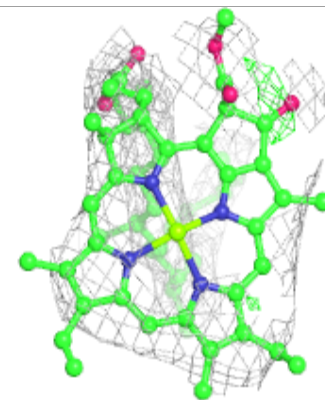
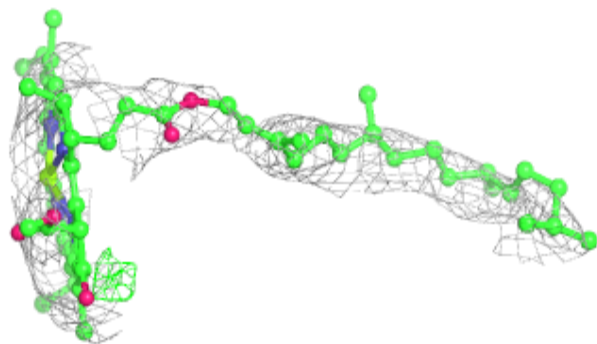
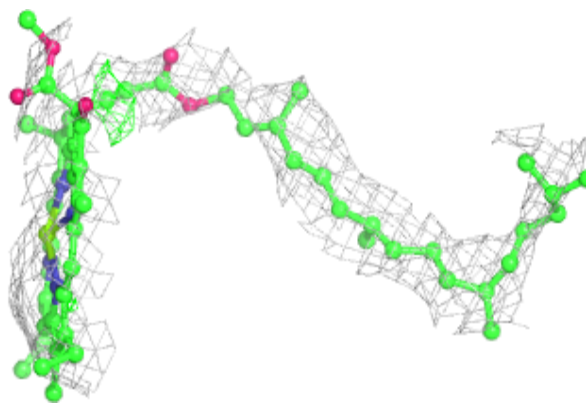
**Electron density around CLA A5 828:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

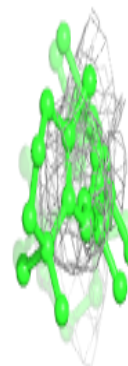
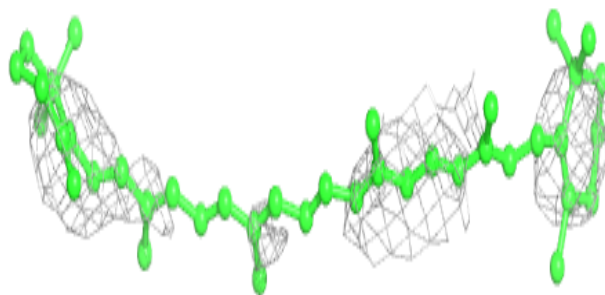
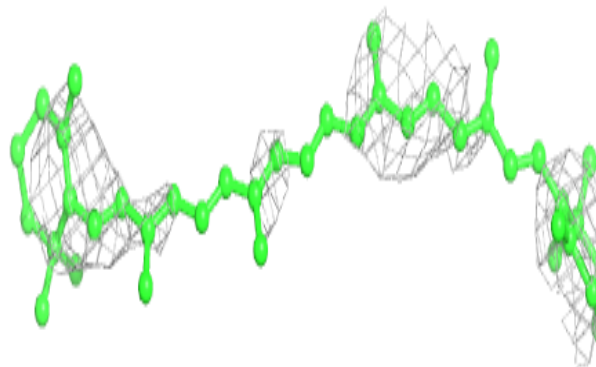


**Electron density around CLA B5 1843:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

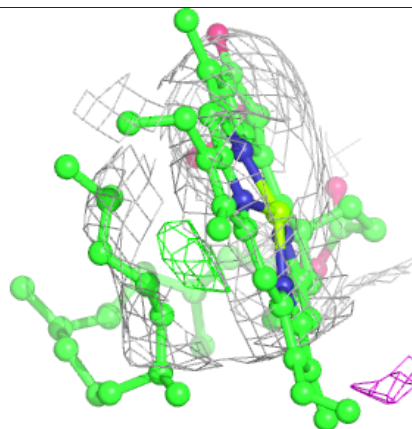
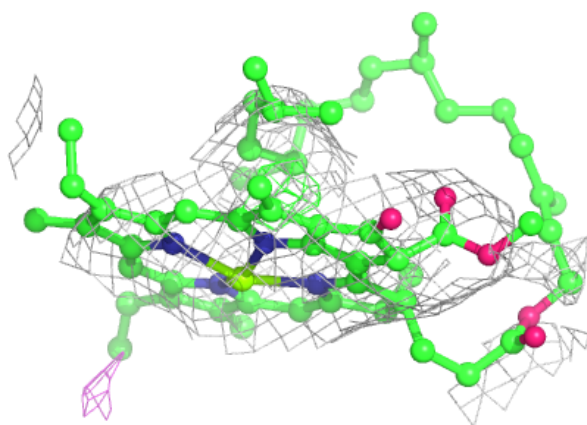
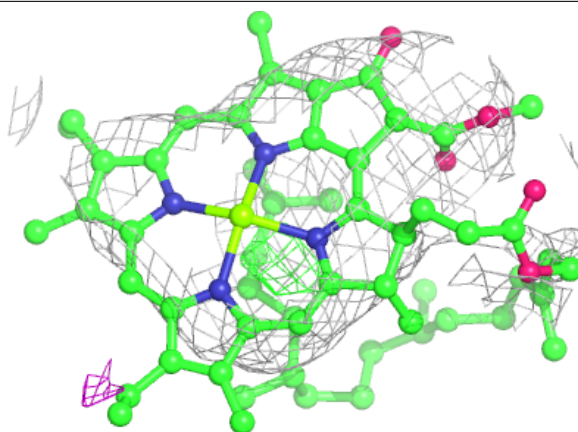
**Electron density around BCR I3 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

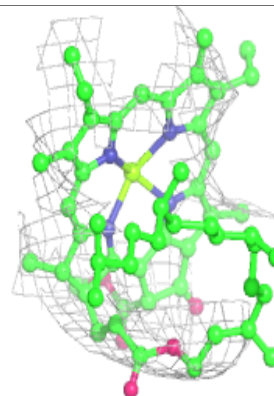
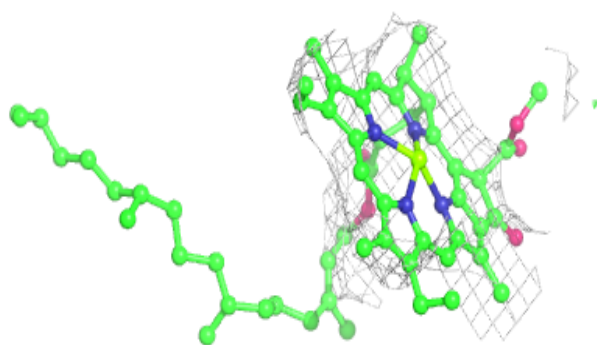
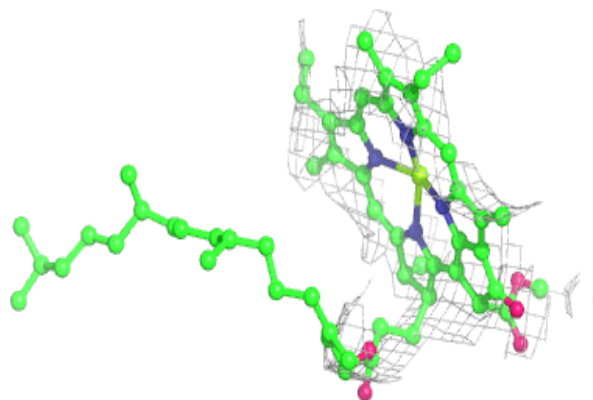


**Electron density around CLA B4 808:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

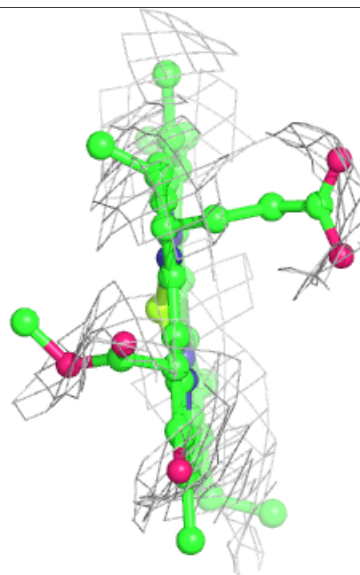
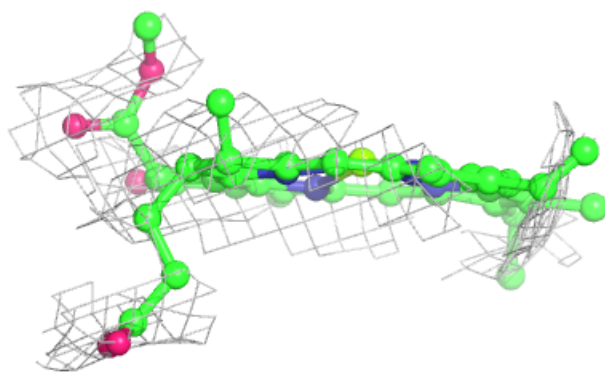
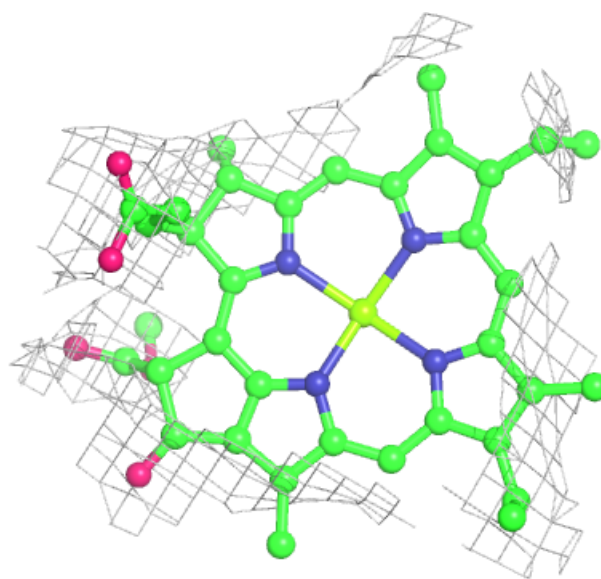
**Electron density around CLA B1 815:**

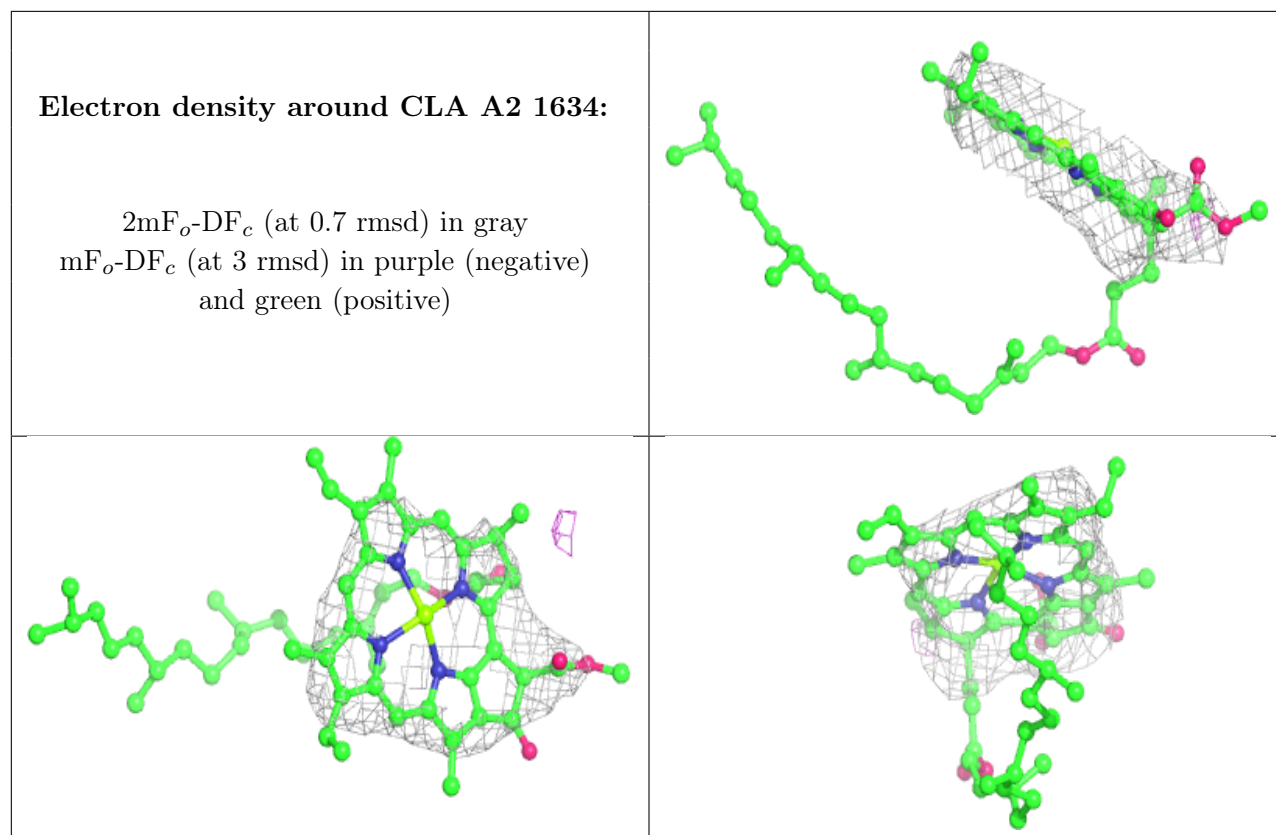
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B6 821:**

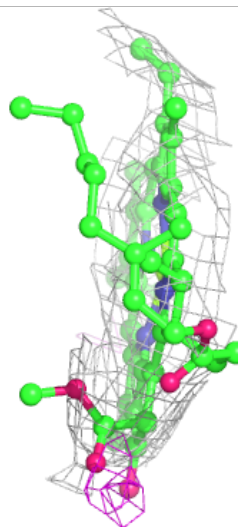
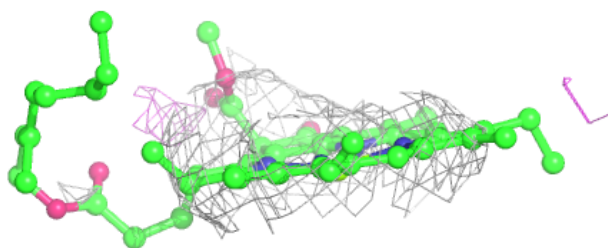
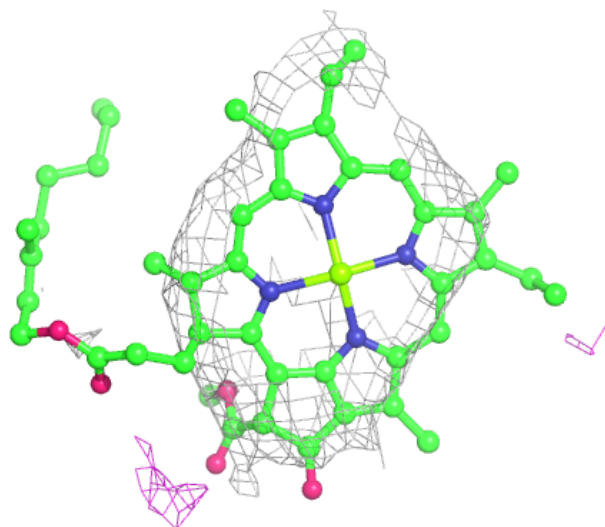
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





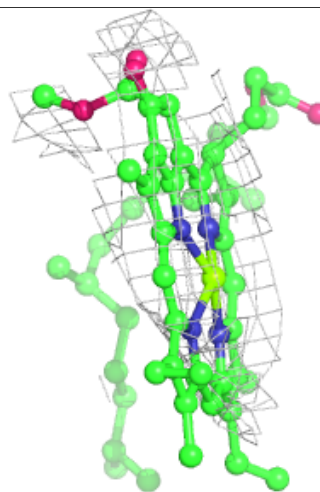
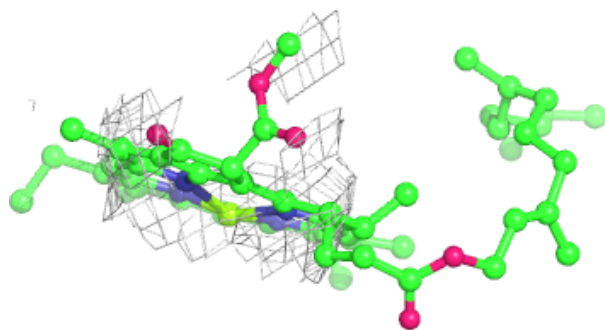
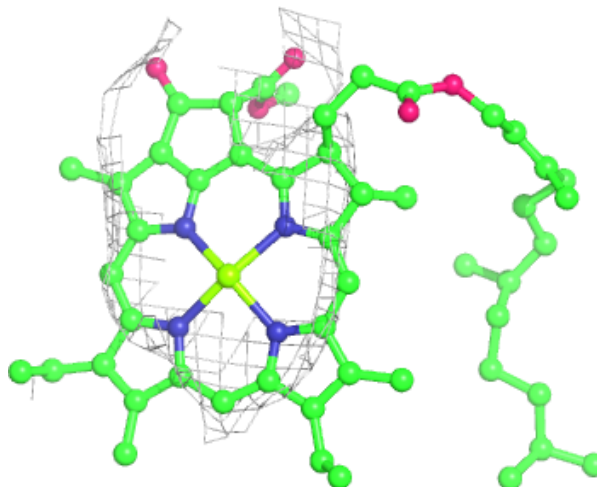
**Electron density around CLA B6 824:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



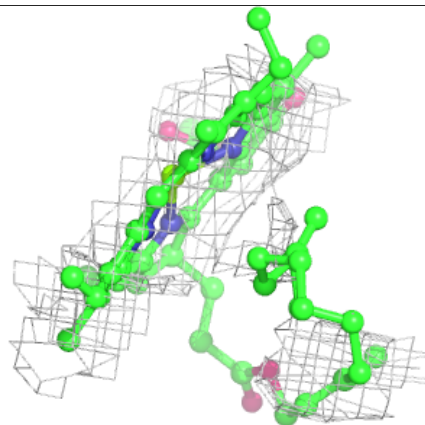
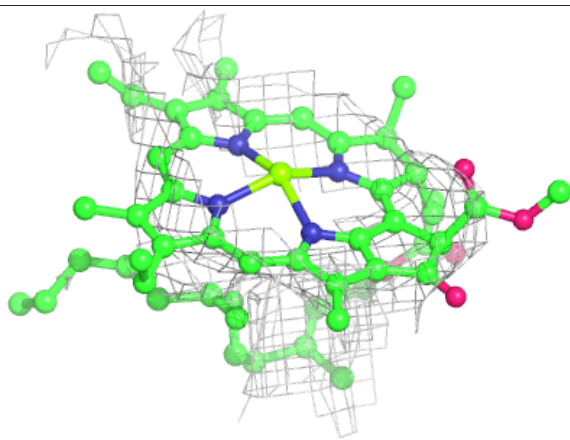
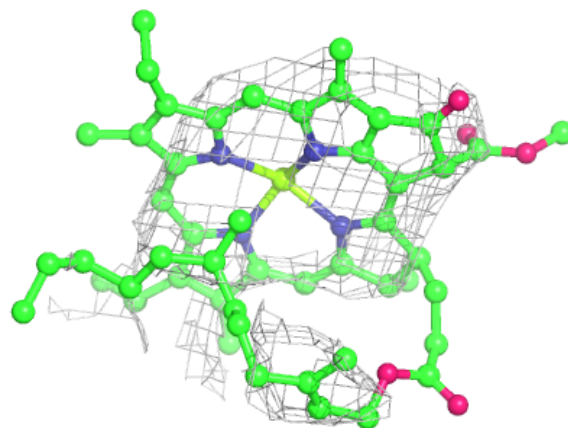
**Electron density around CLA A4 812:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

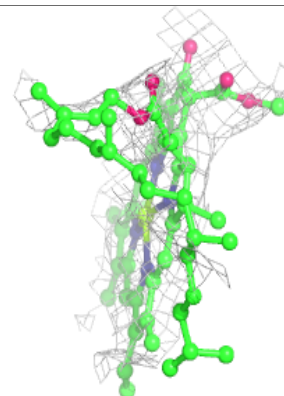
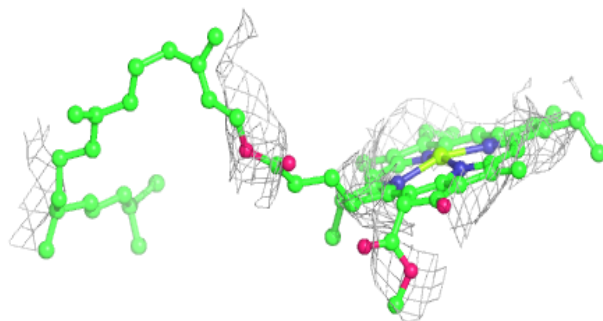
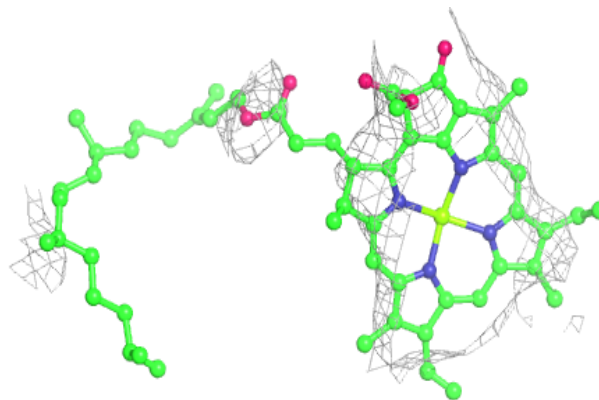


**Electron density around CLA B3 1819:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A4 826:**

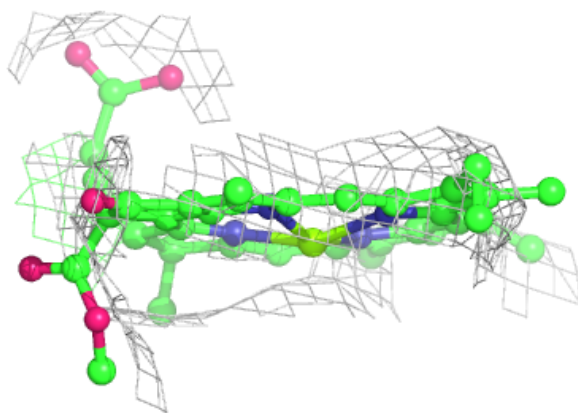
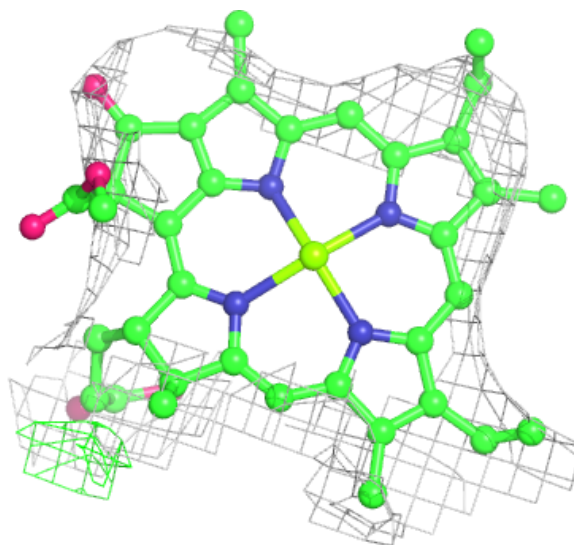
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





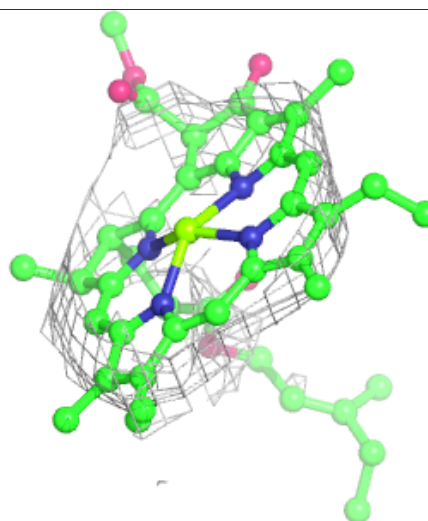
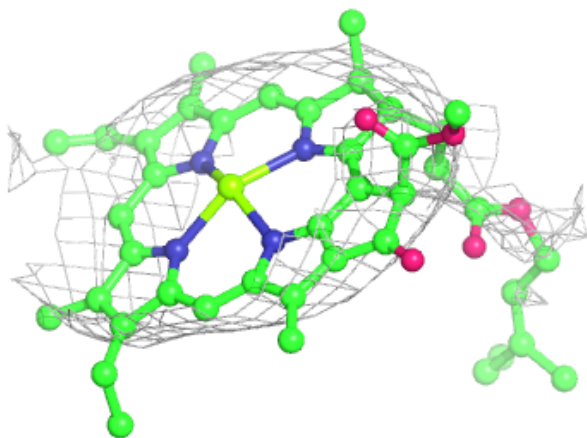
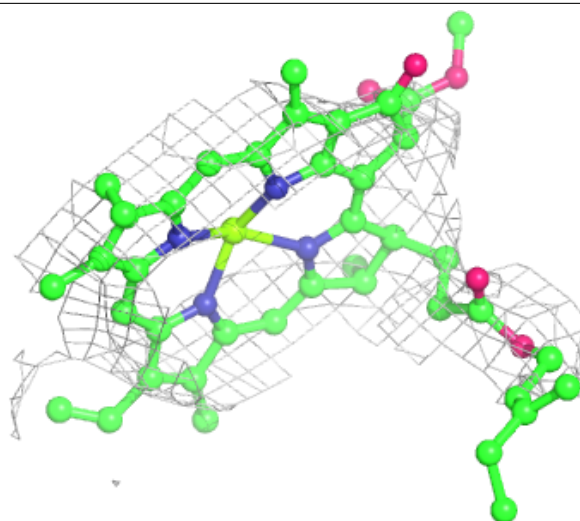
**Electron density around CLA B3 1832:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



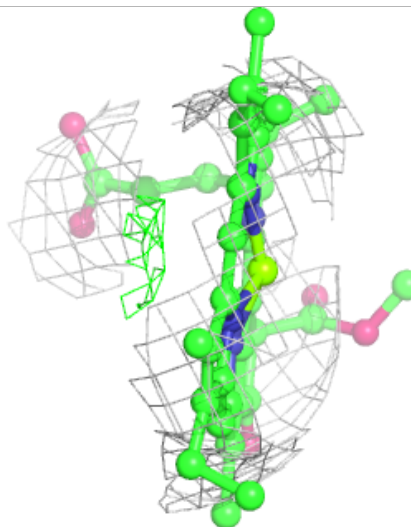
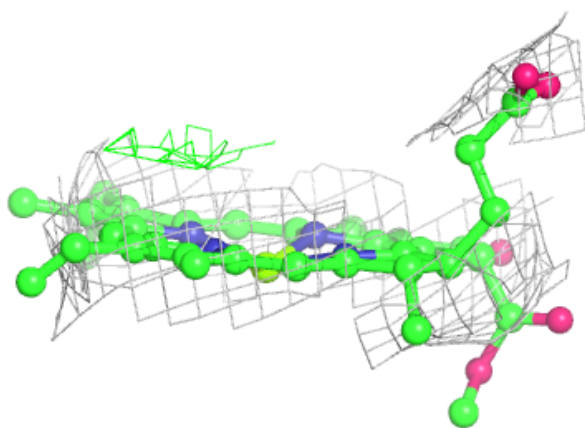
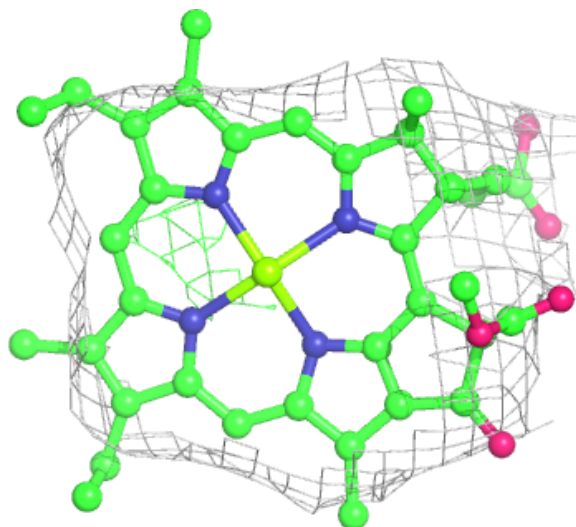
**Electron density around CLA A3 807:**

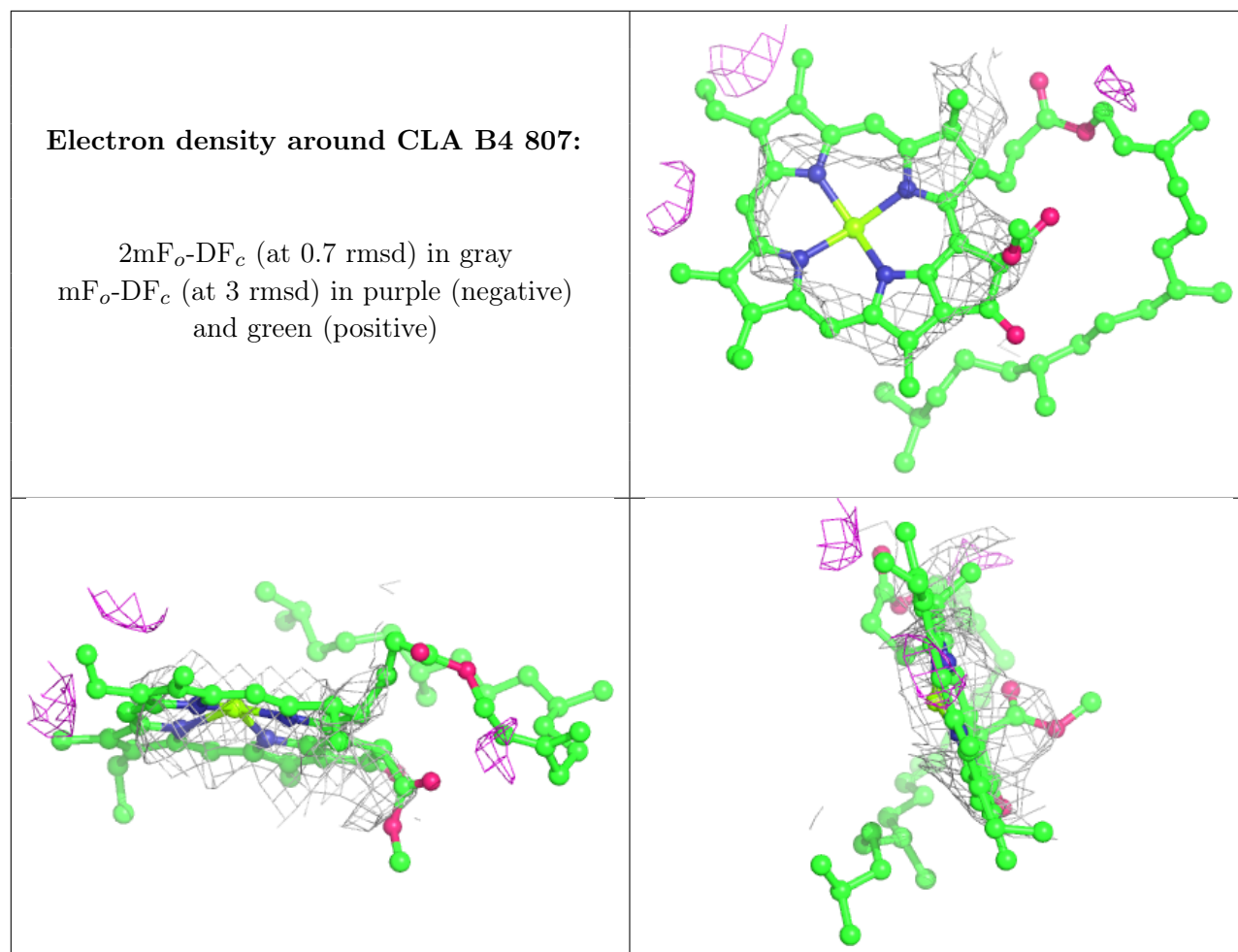
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA K5 102:**

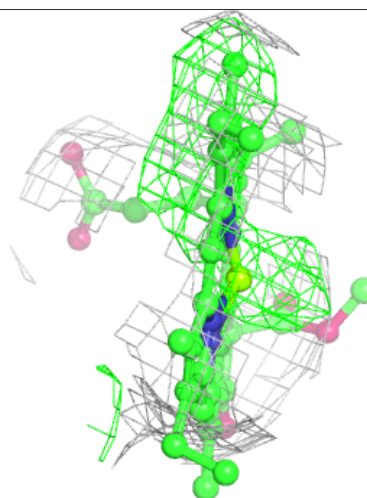
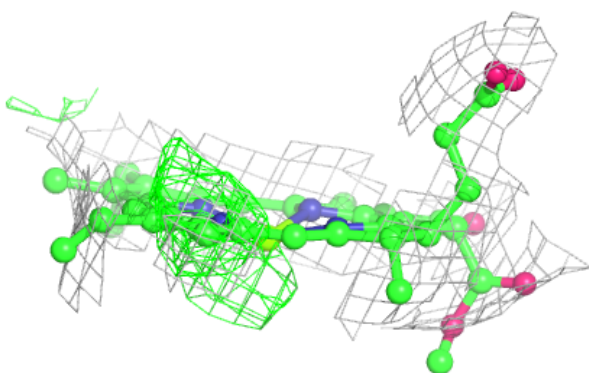
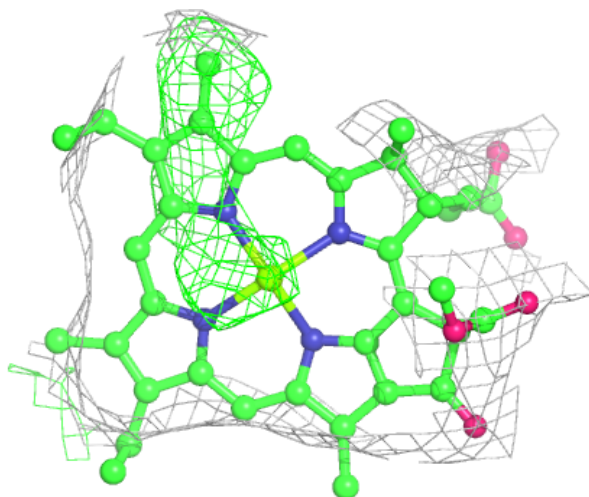
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





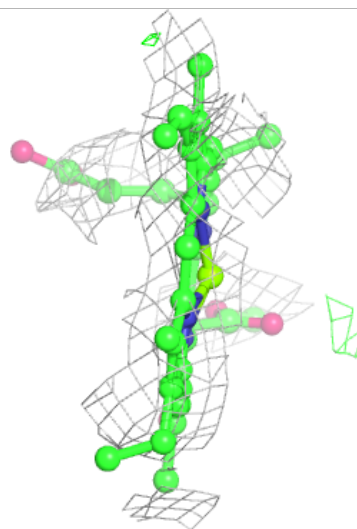
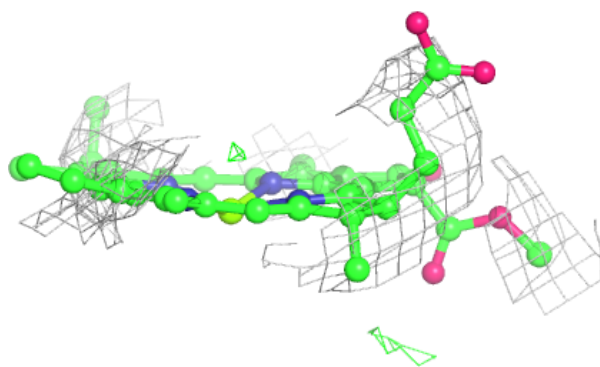
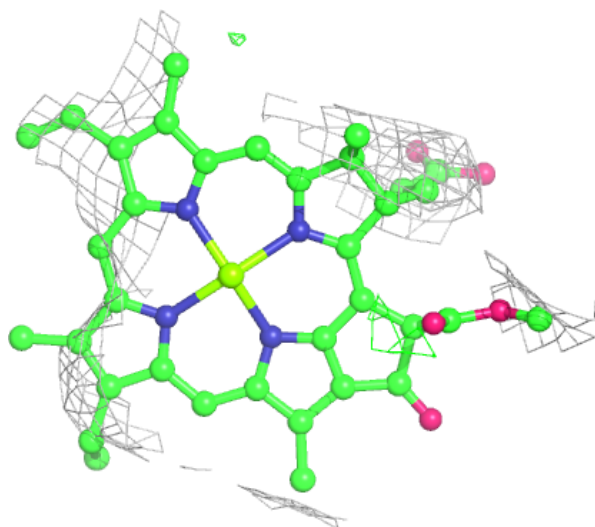
**Electron density around CLA K3 1401:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



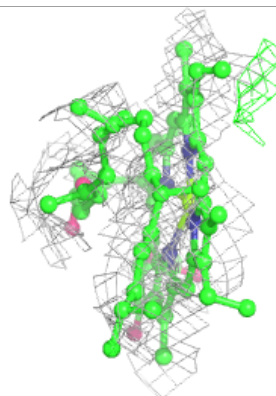
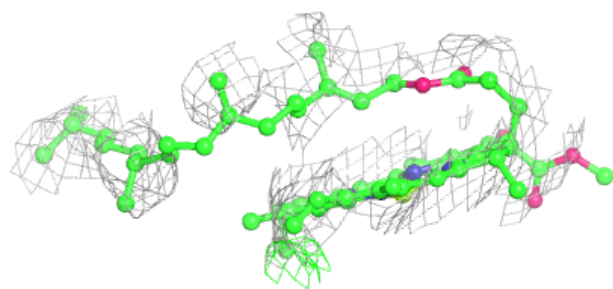
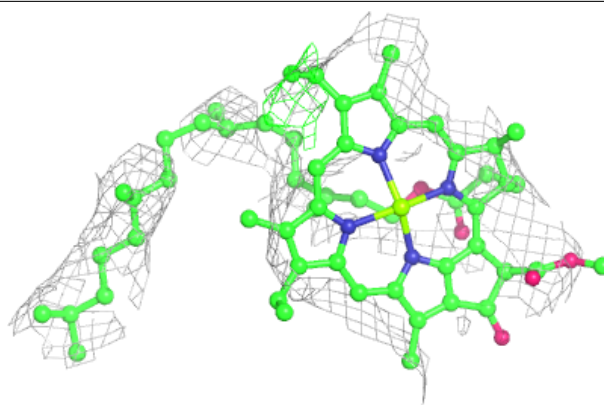
**Electron density around CLA B2 834:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



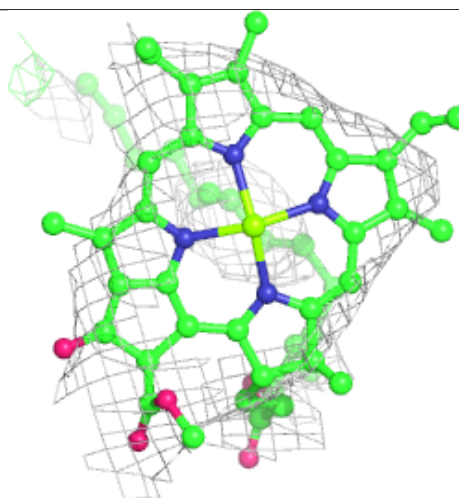
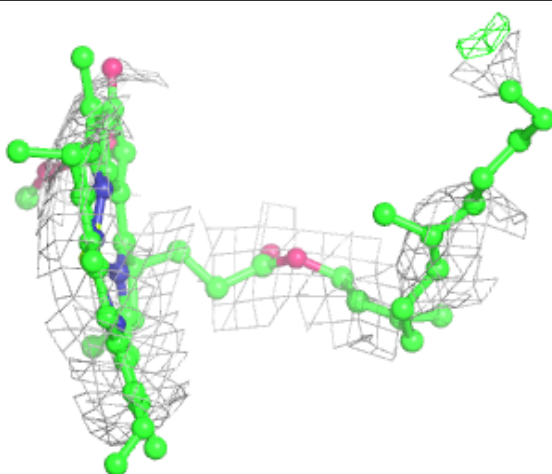
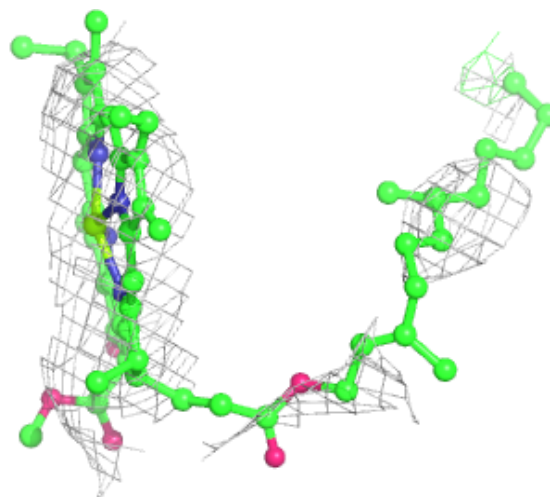
**Electron density around CLA B1 839:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

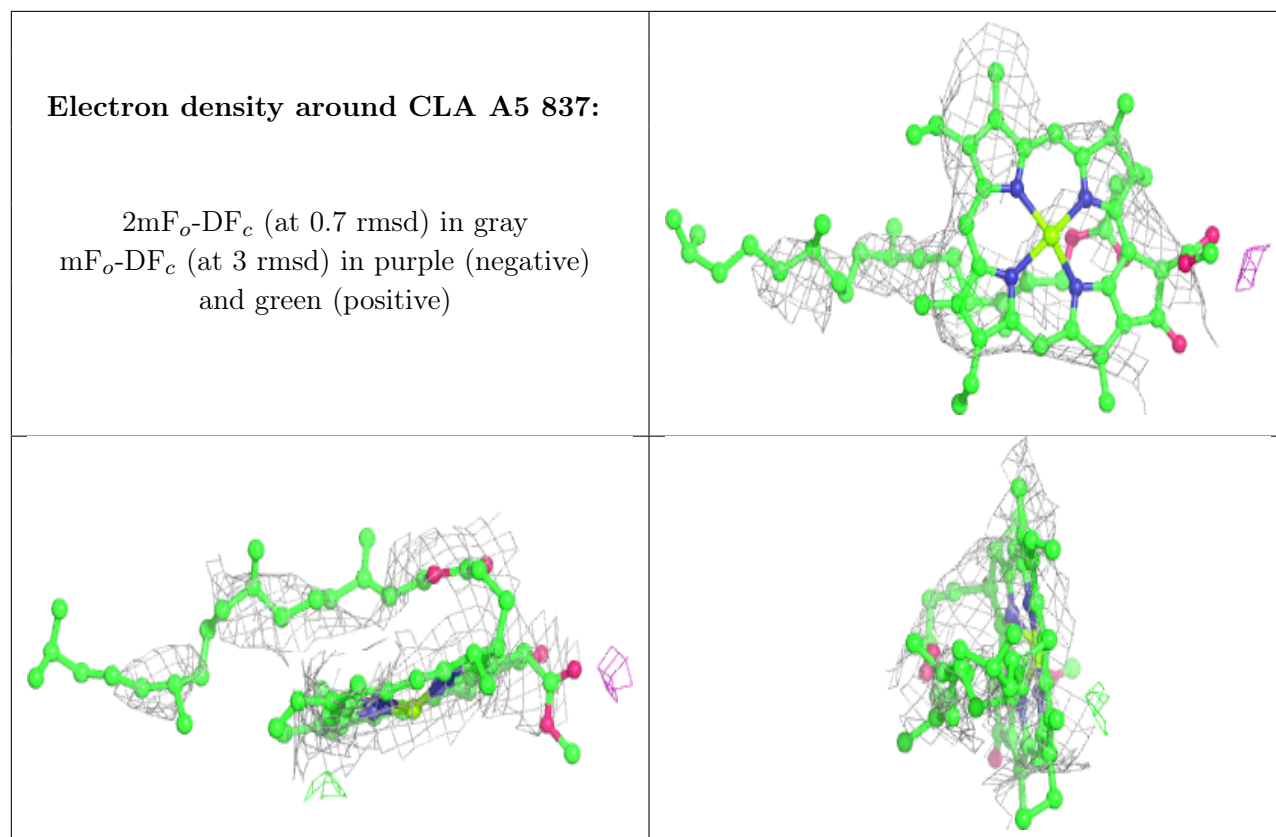


**Electron density around CLA A6 1604:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

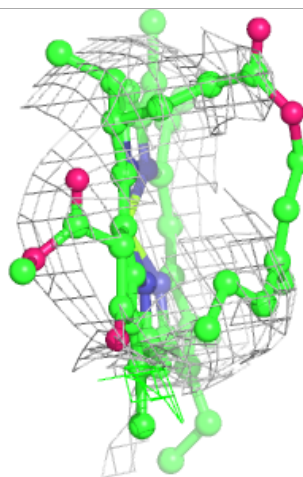
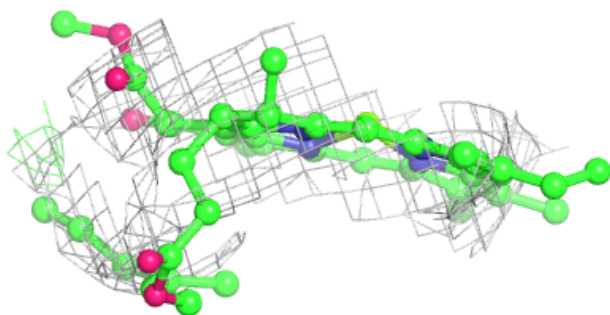
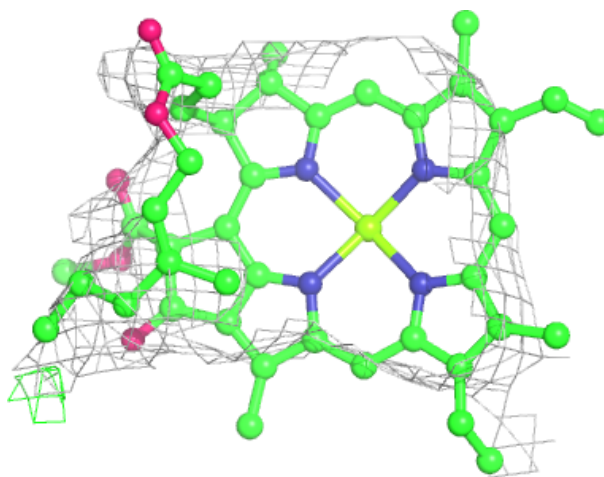






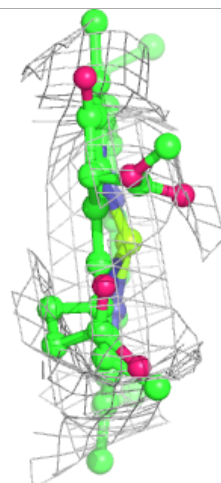
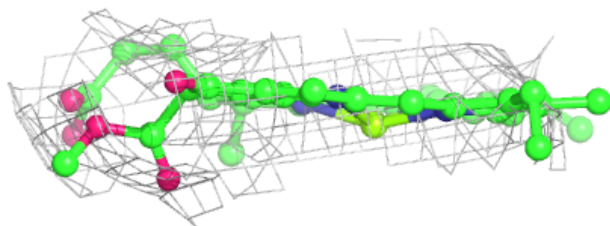
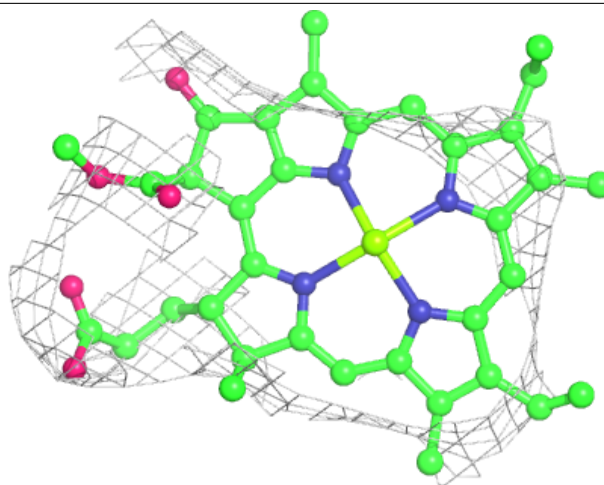
**Electron density around CLA A5 843:**

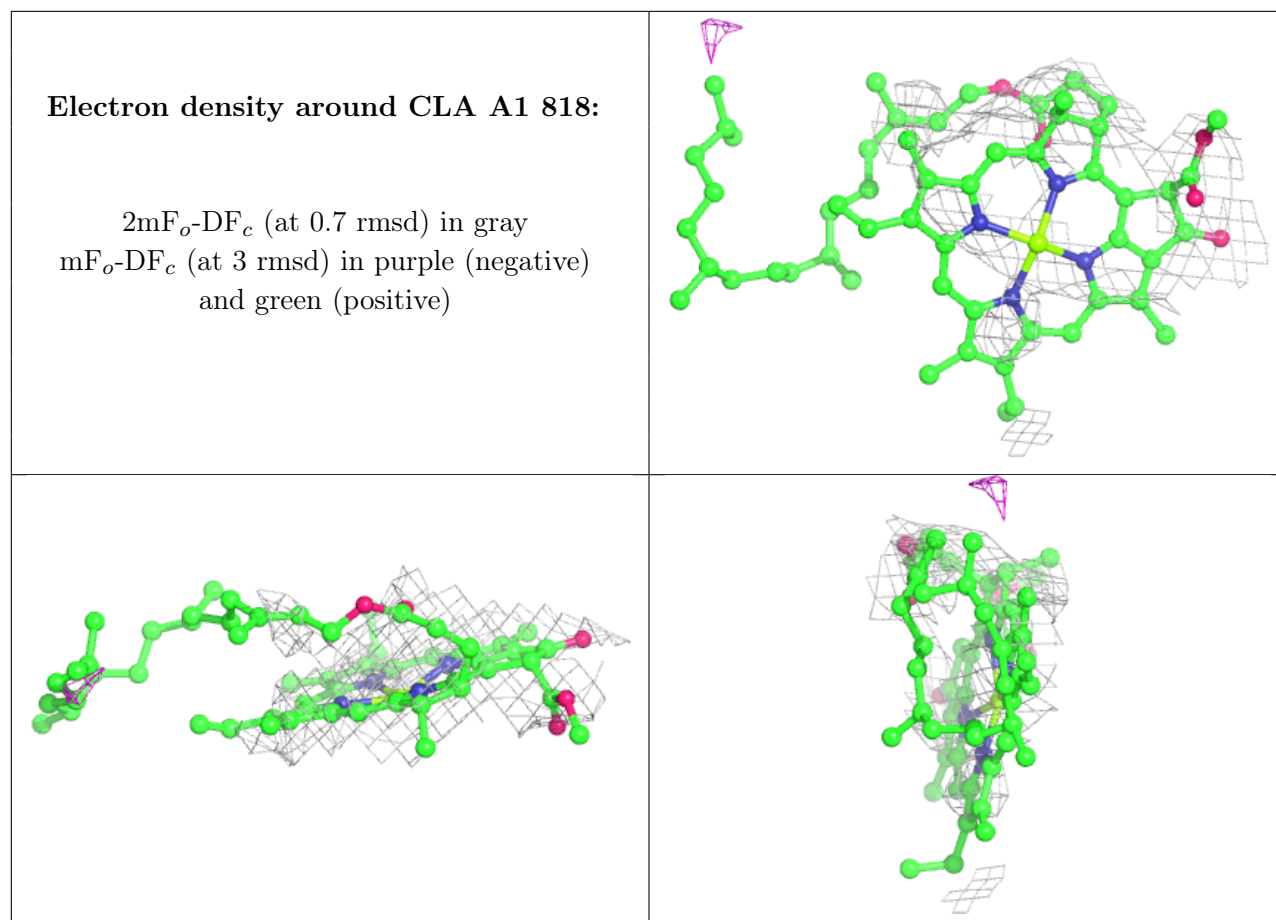
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

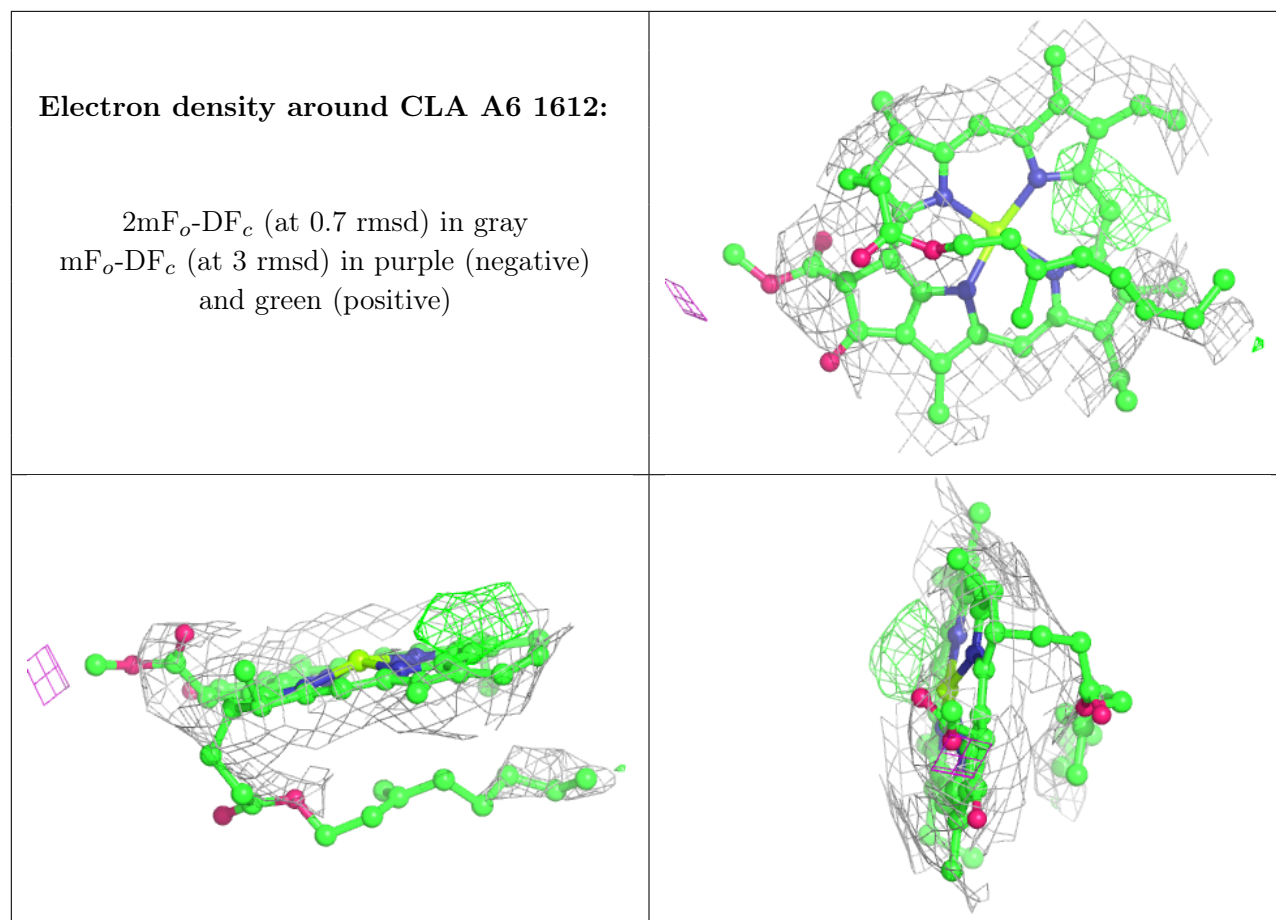


**Electron density around CLA F2 202:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

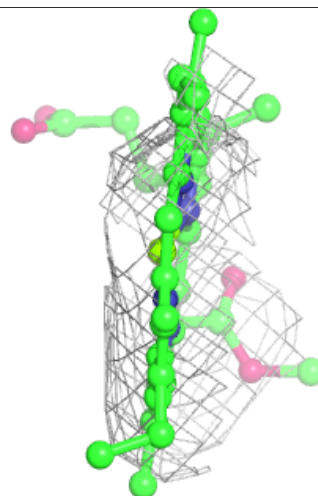
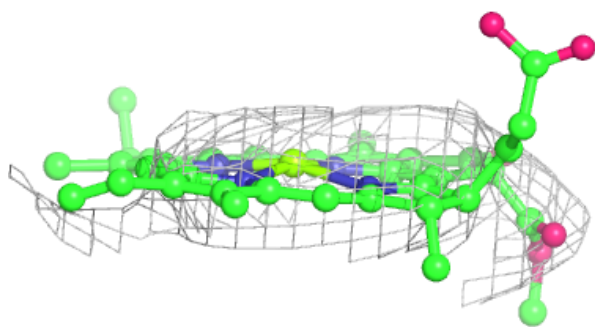
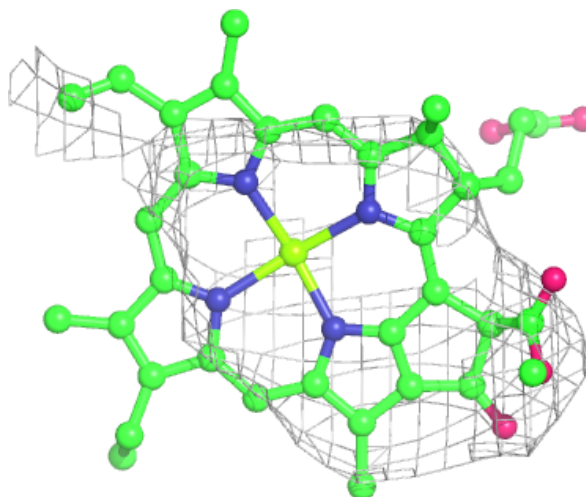


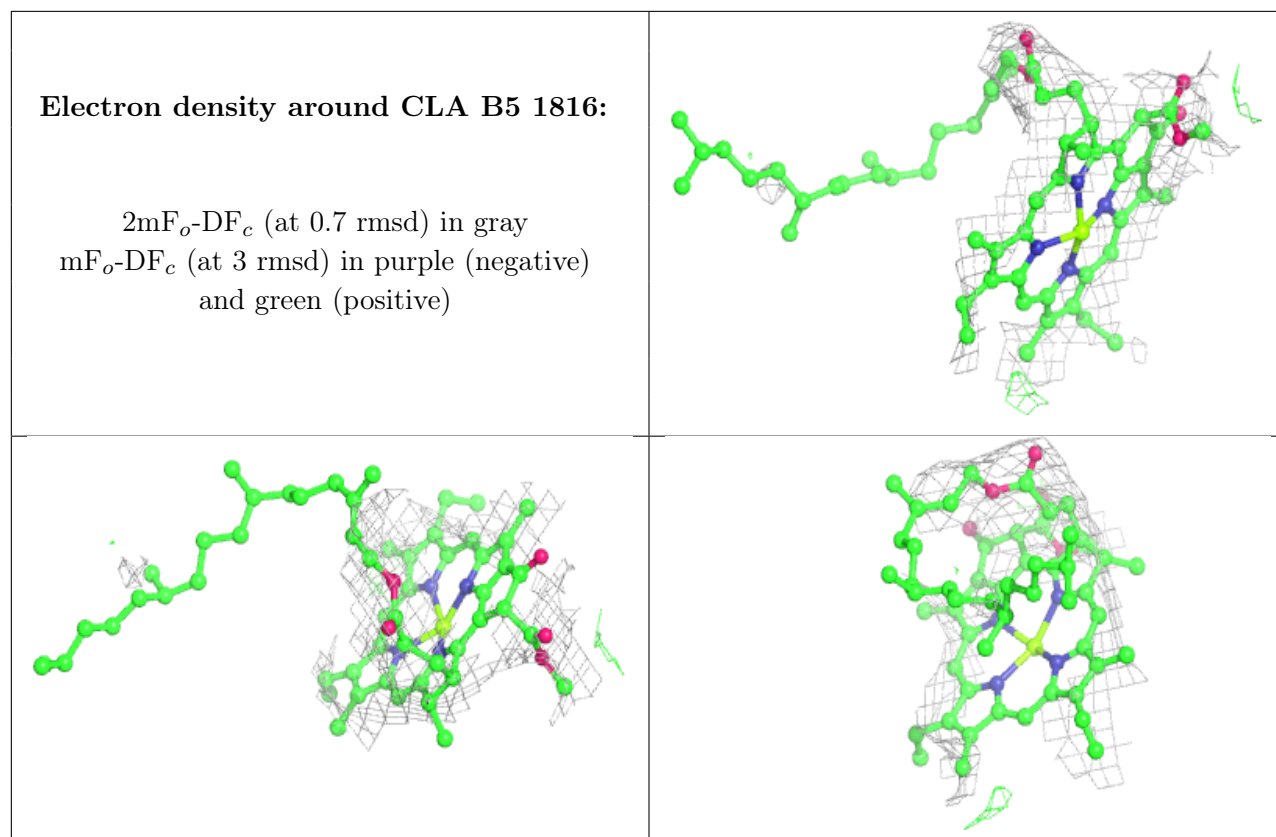




**Electron density around CLA J2 101:**

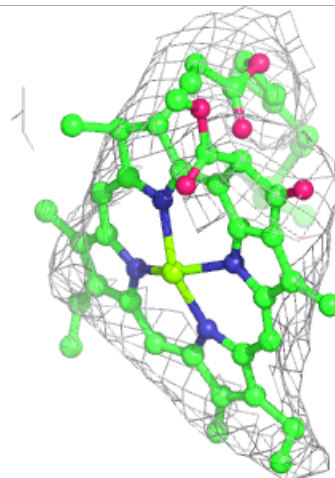
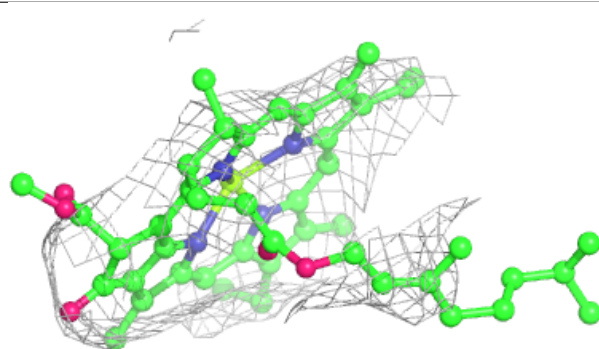
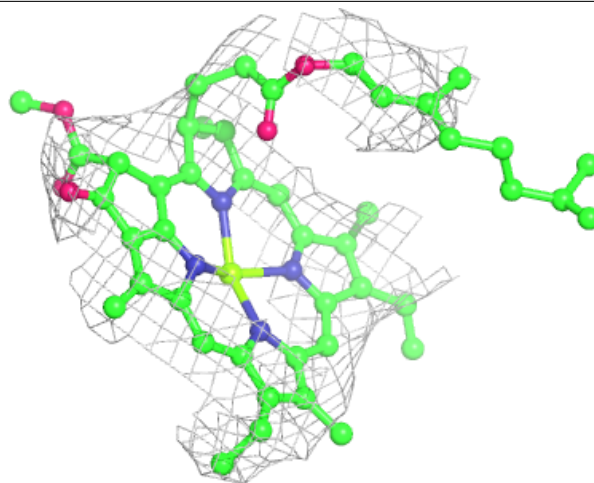
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



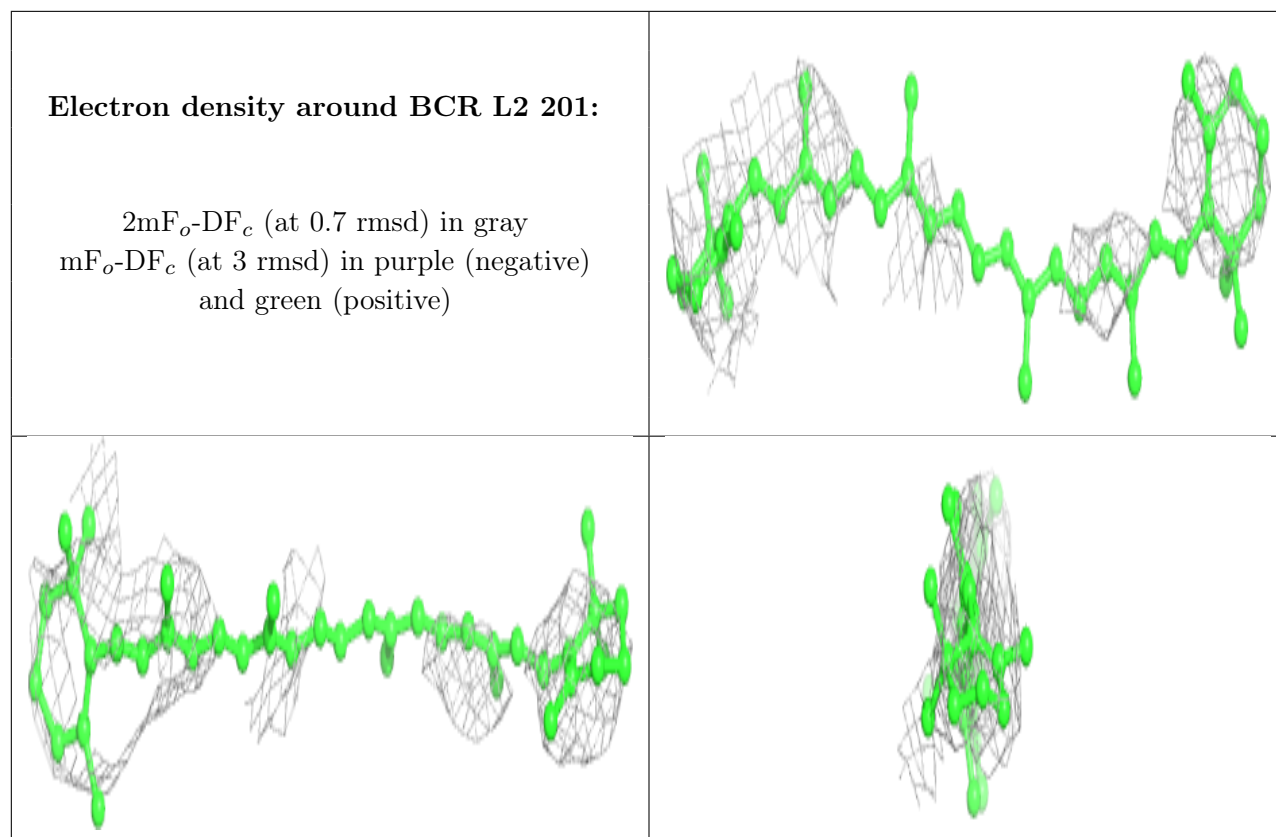


**Electron density around CLA B4 818:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

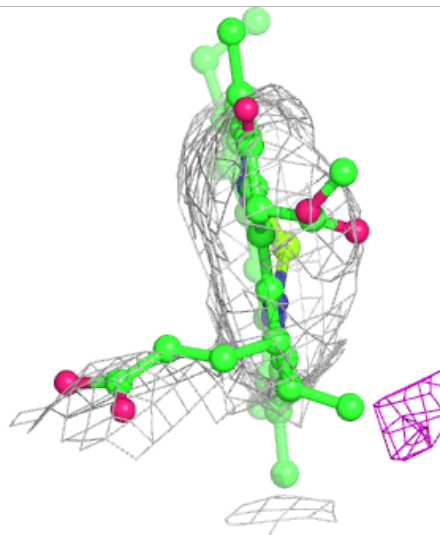
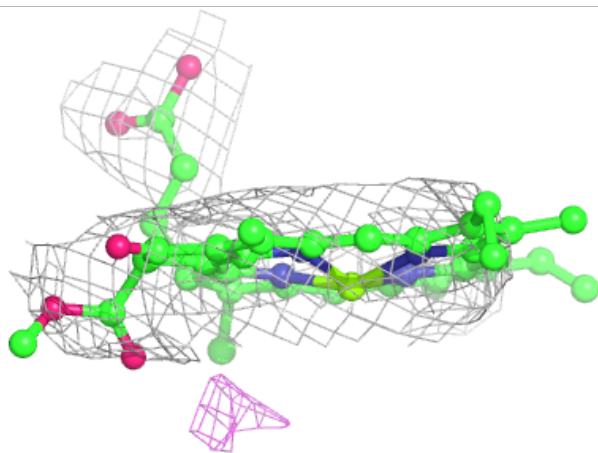
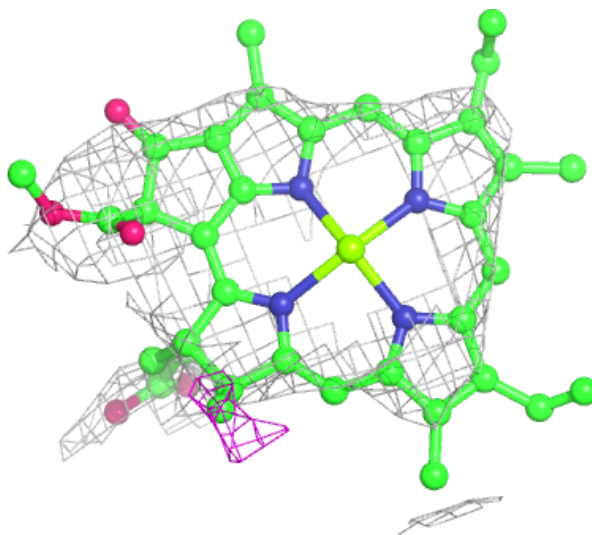


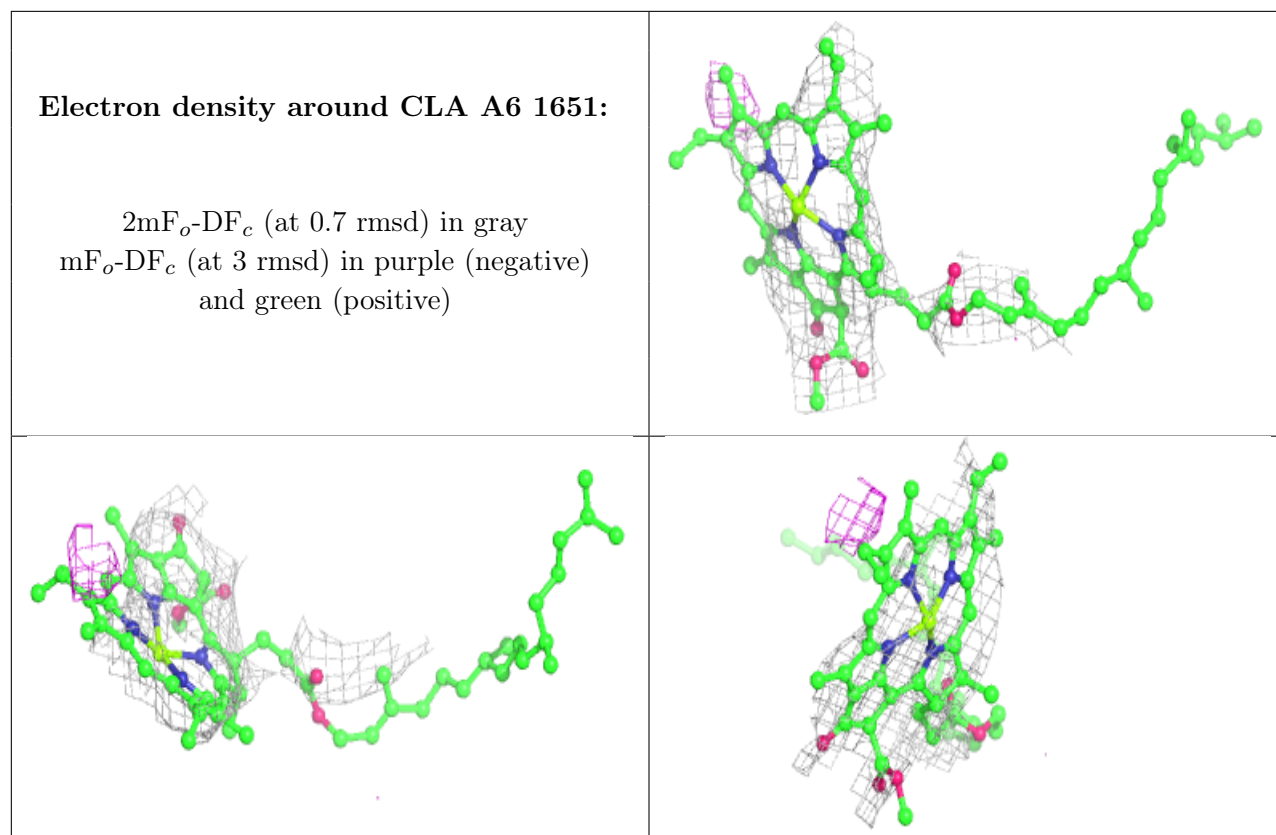




**Electron density around CLA B3 1813:**

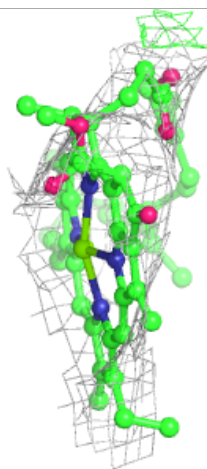
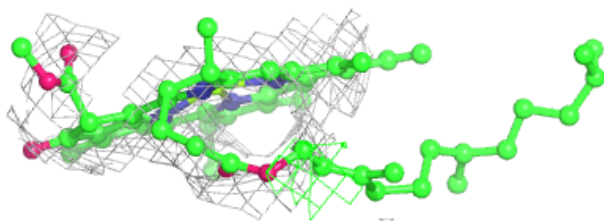
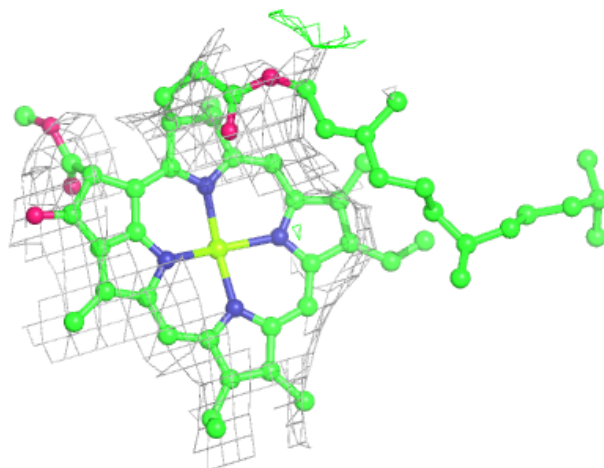
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





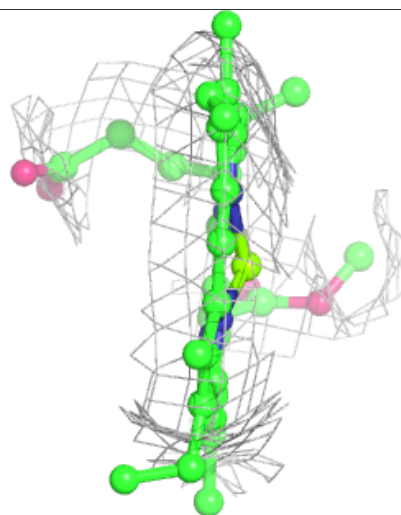
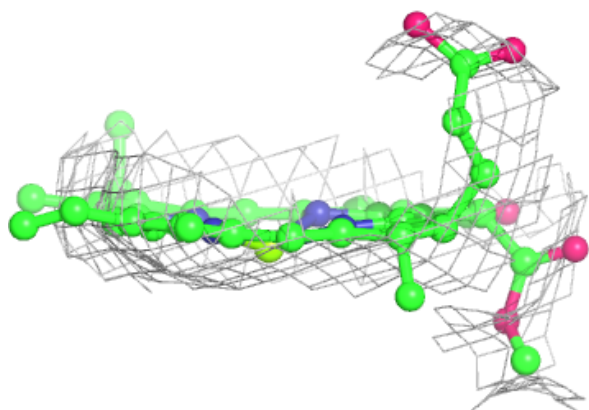
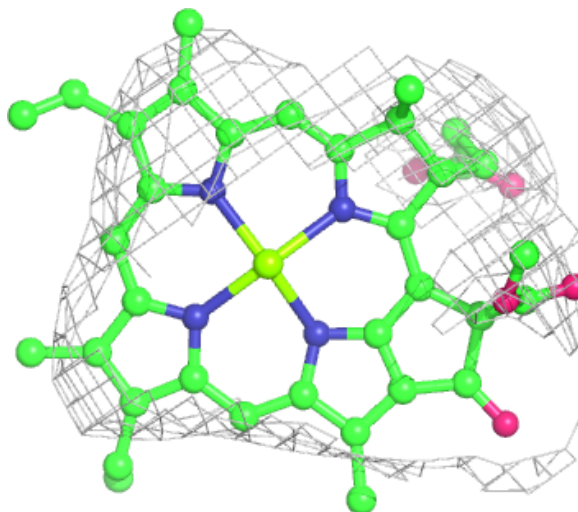
**Electron density around CLA B1 819:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



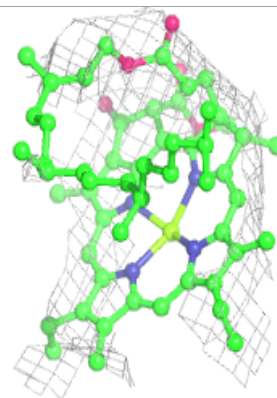
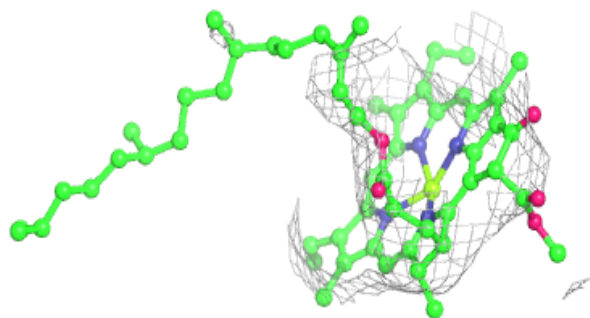
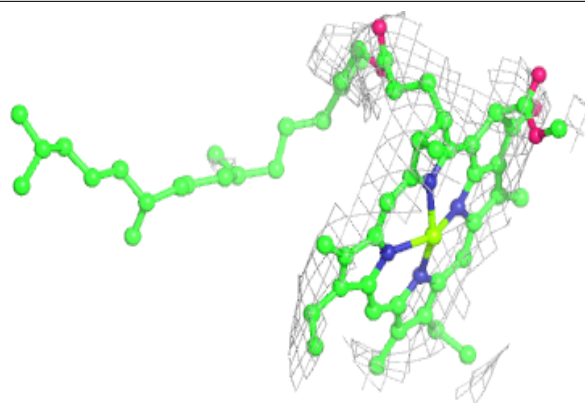
**Electron density around CLA B6 815:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

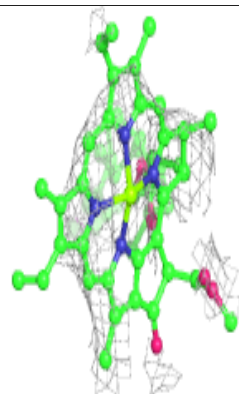
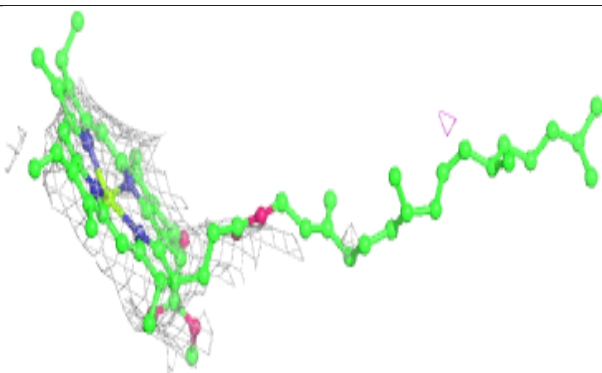
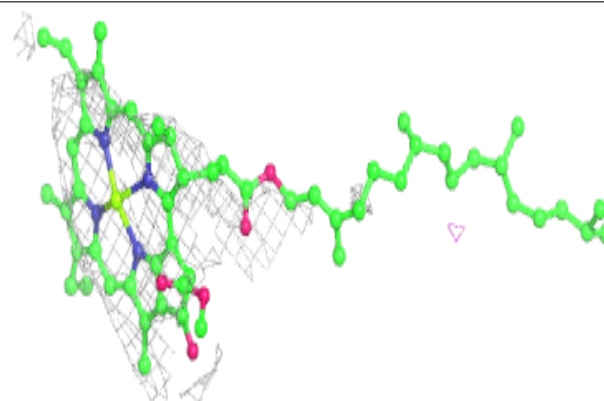


**Electron density around CLA B3 1816:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

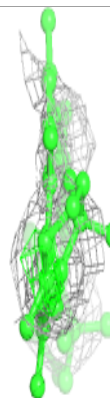
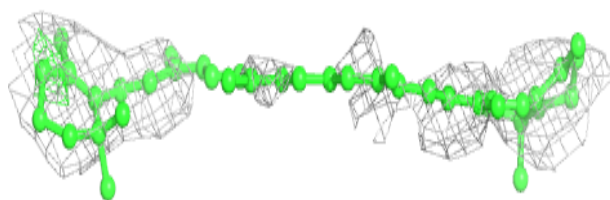
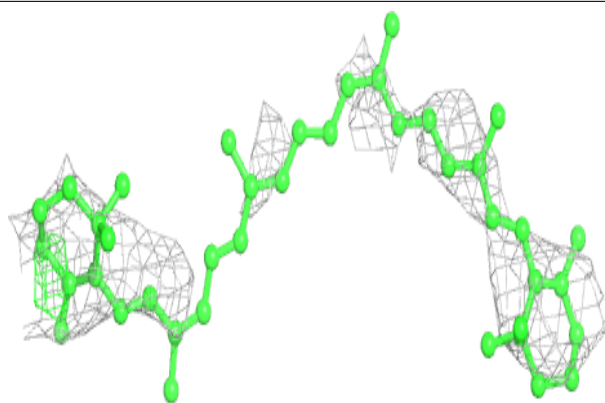
**Electron density around CLA A4 808:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

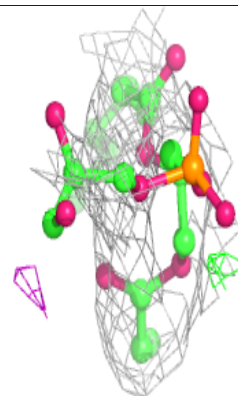
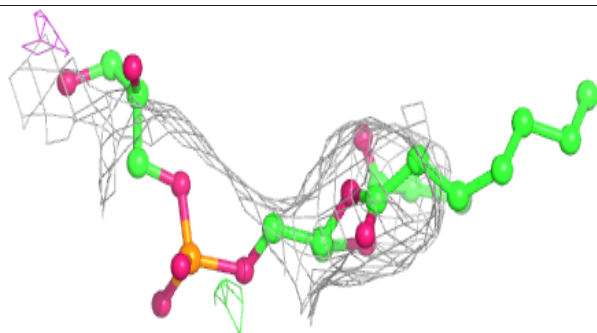
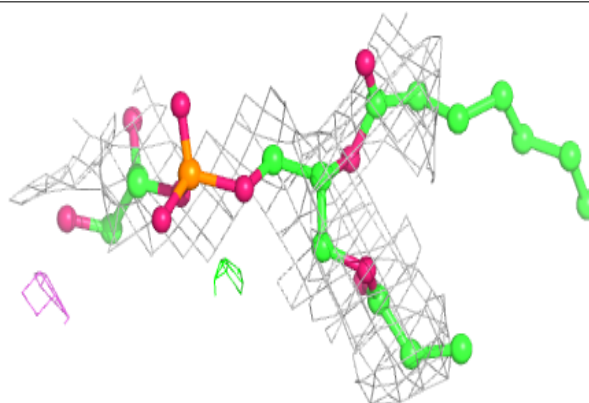


**Electron density around BCR A3 852:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

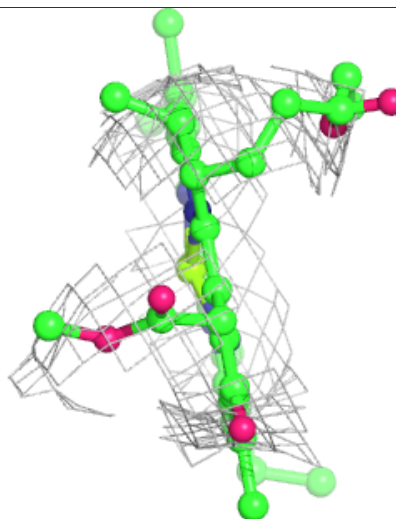
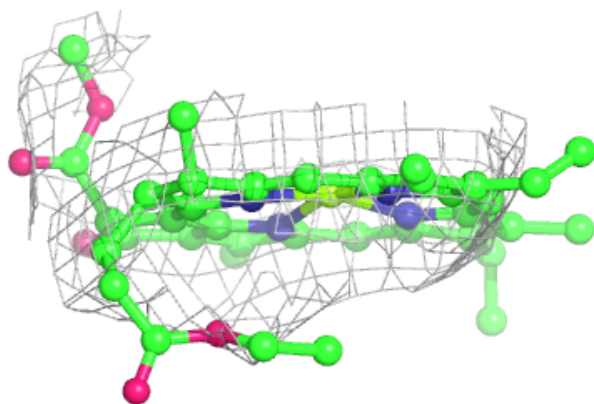
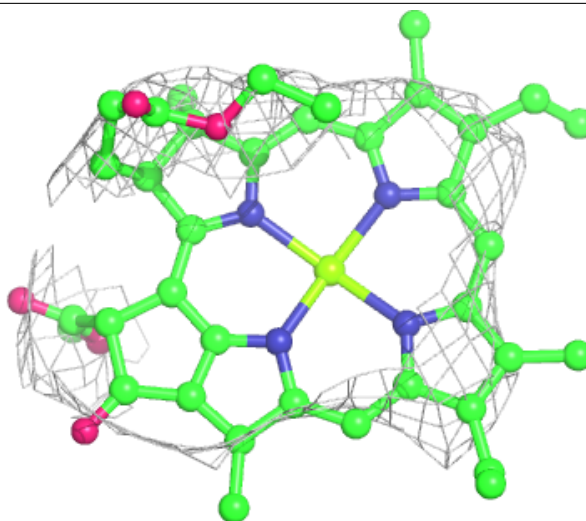
**Electron density around LHG A2 1654:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B6 820:**

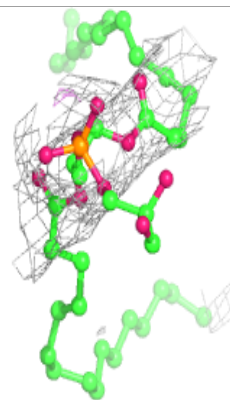
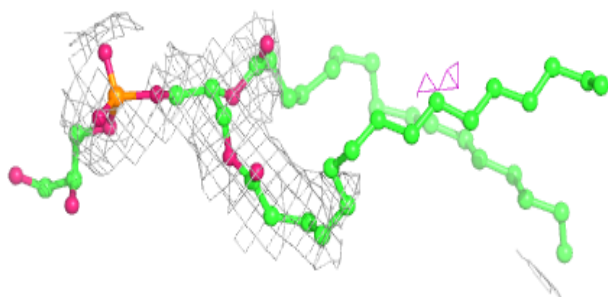
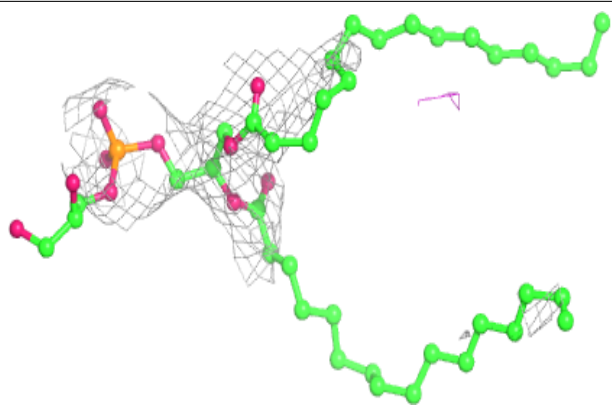
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



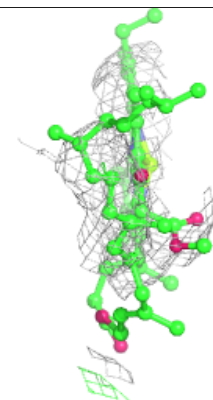
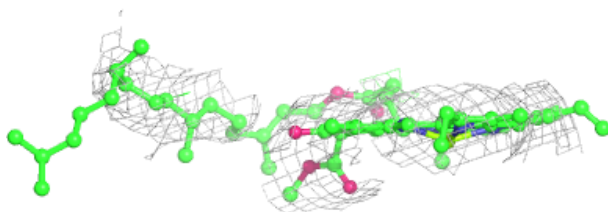
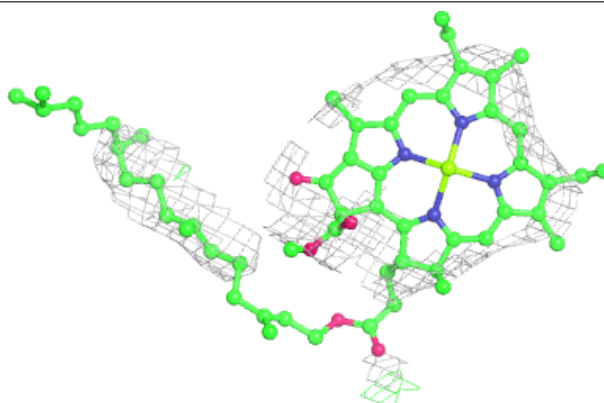


**Electron density around LHG A3 853:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

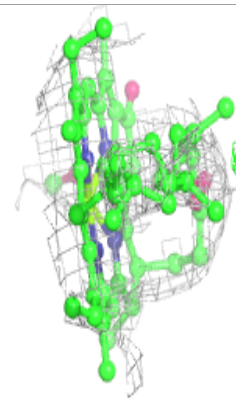
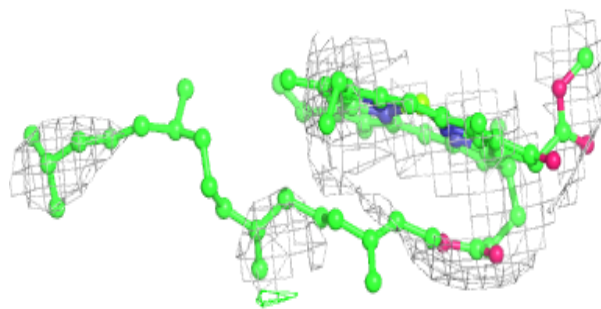
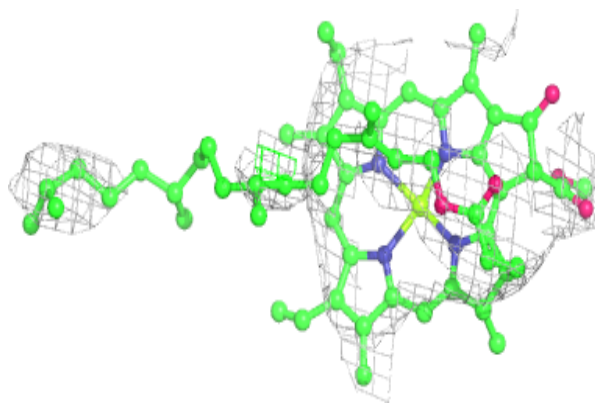
**Electron density around CLA L2 207:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

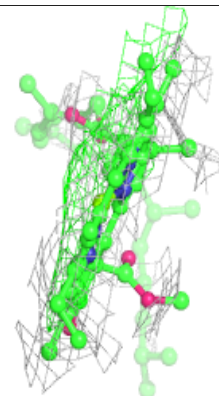
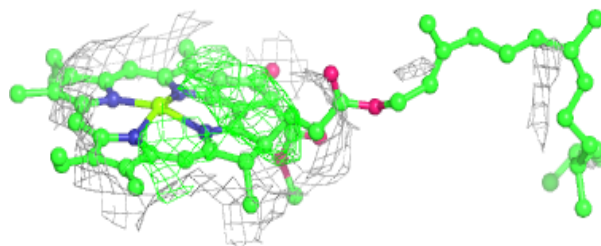
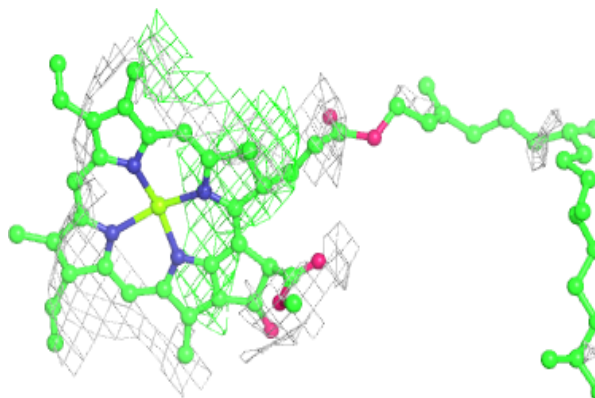


**Electron density around CLA A4 836:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

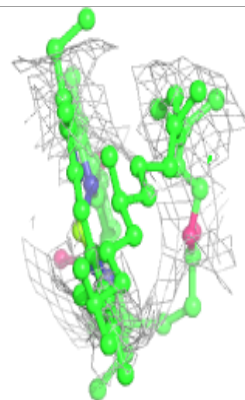
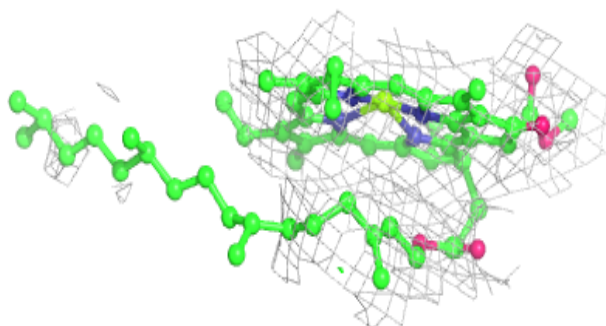
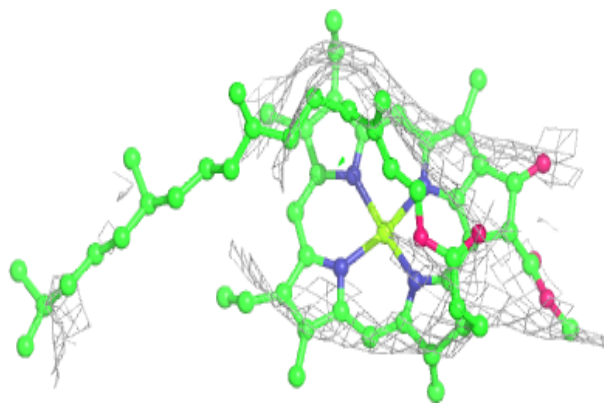
**Electron density around CLA B5 1828:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

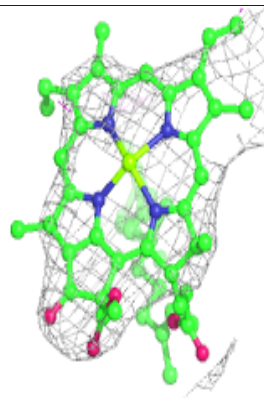
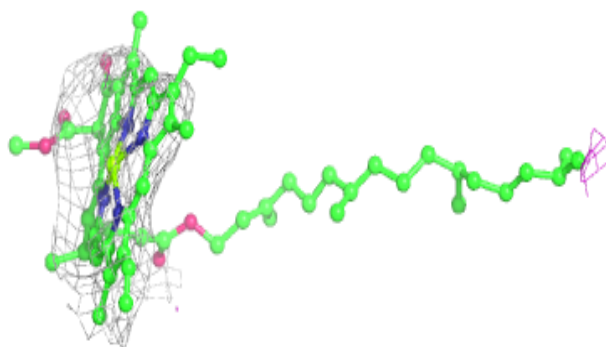
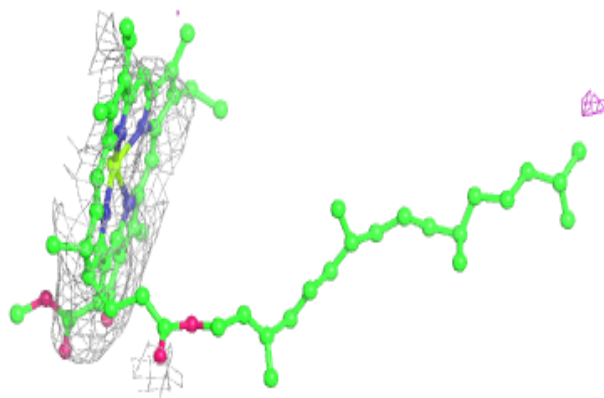


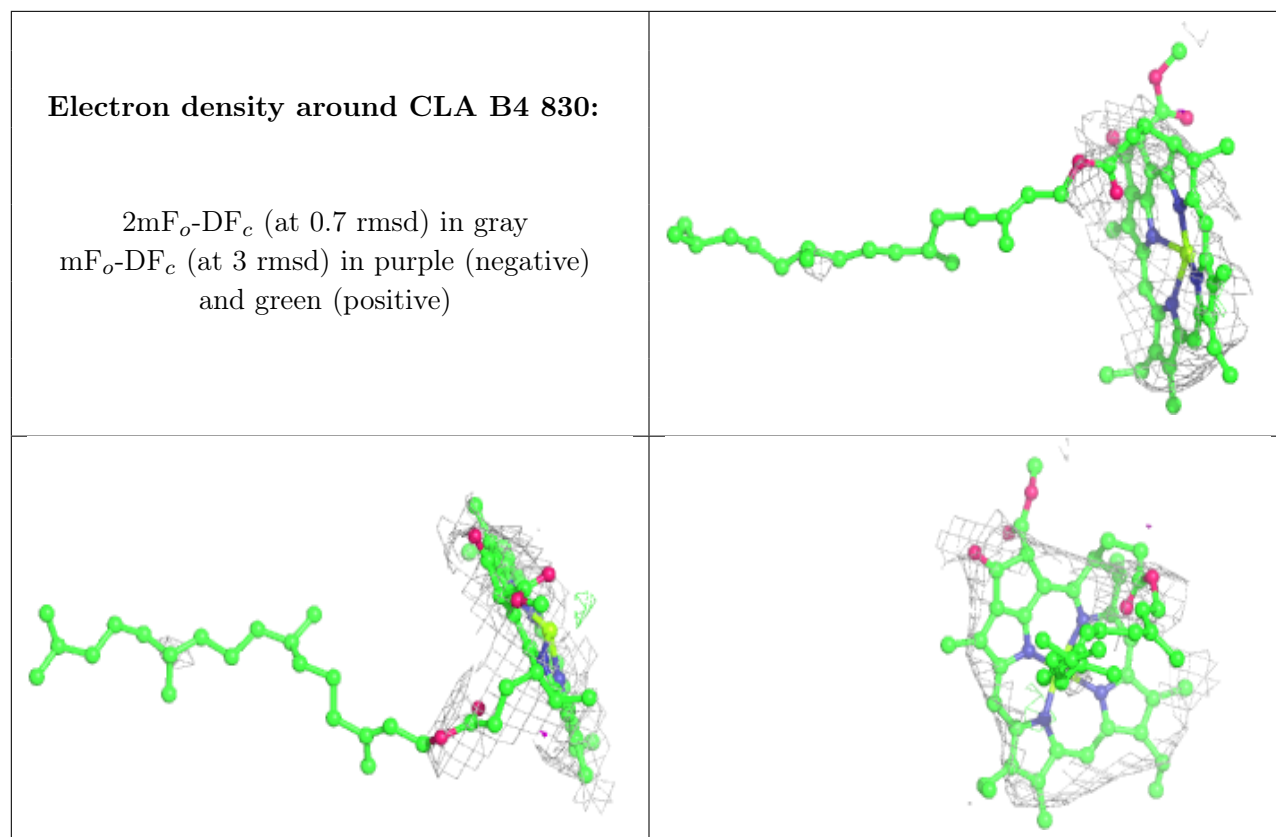
**Electron density around CLA A4 838:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B5 1831:**

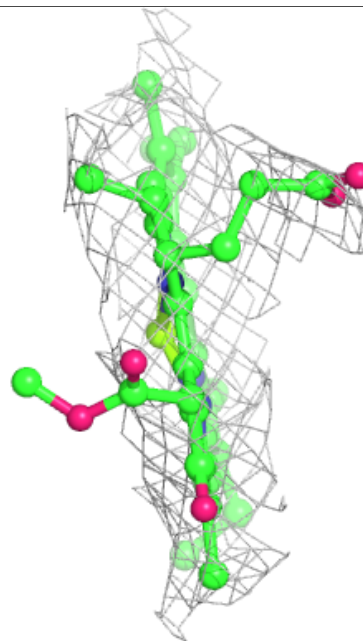
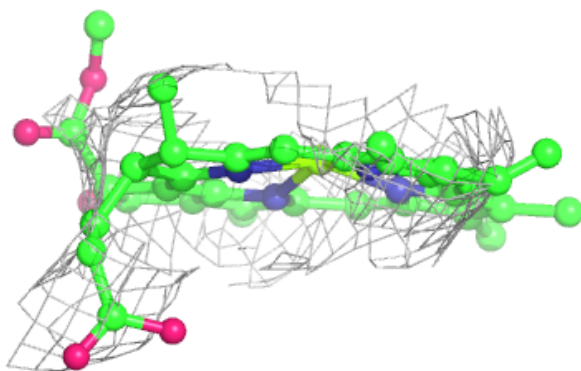
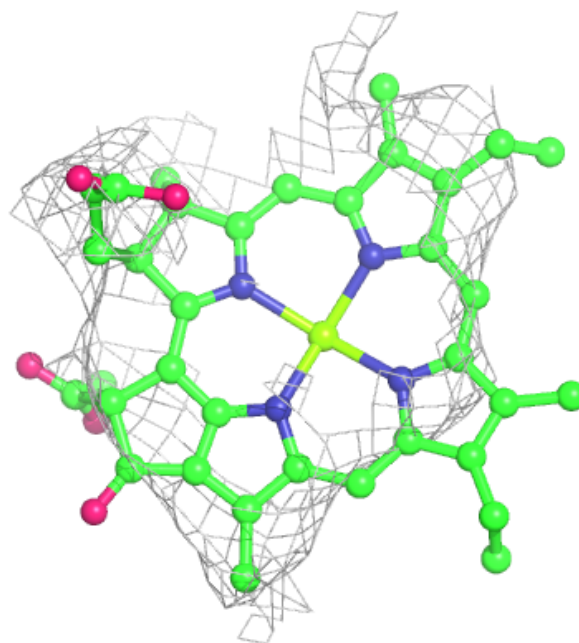
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





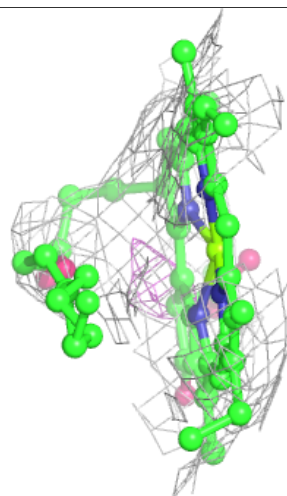
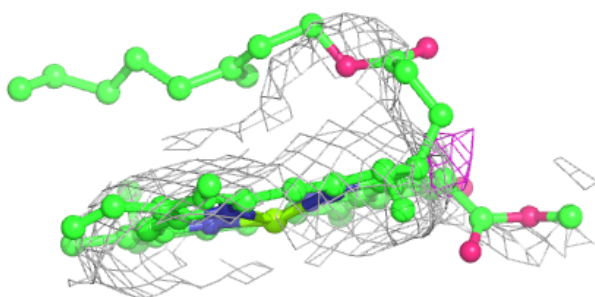
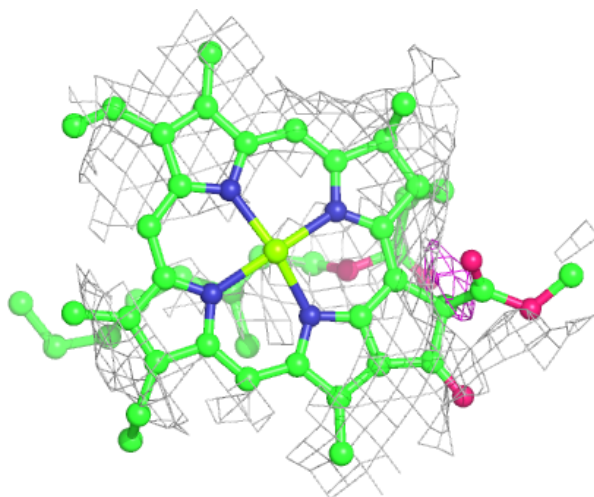
**Electron density around CLA B4 832:**

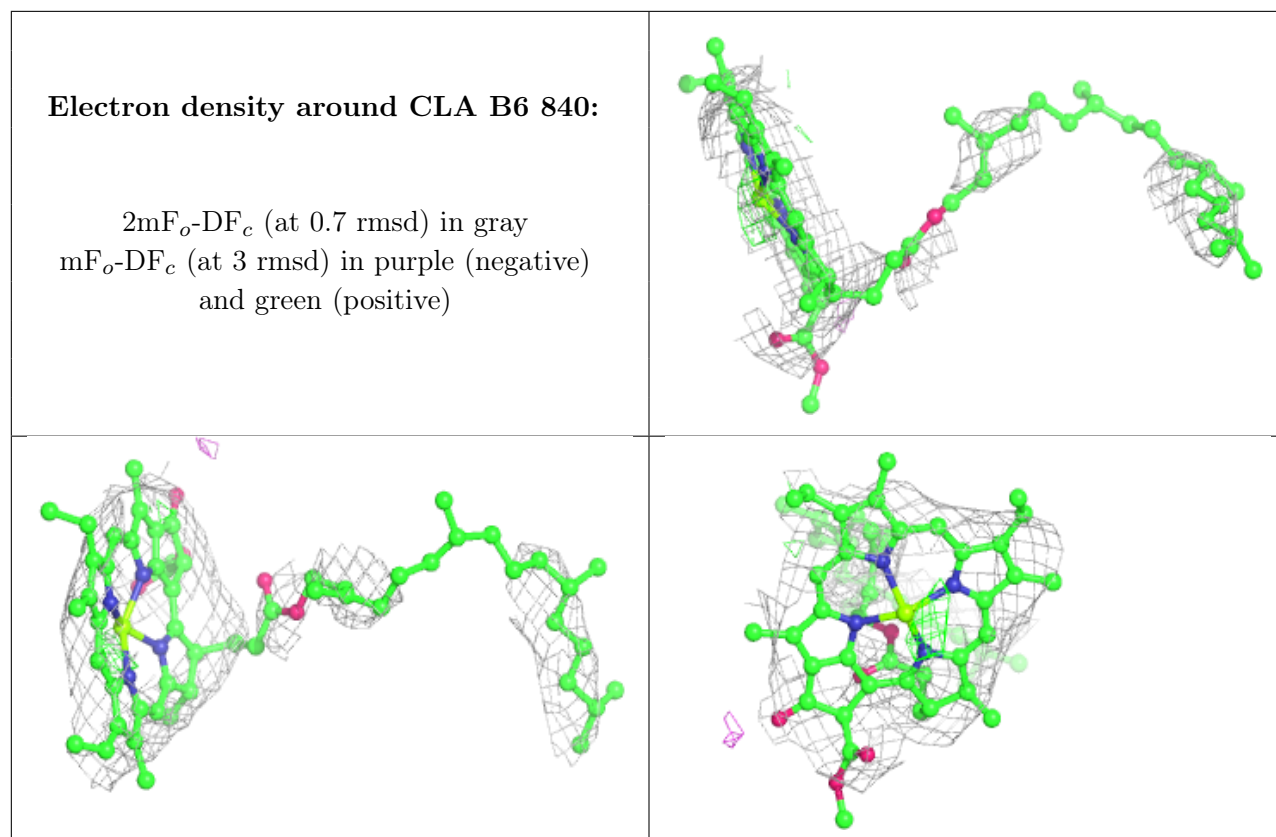
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A4 811:**

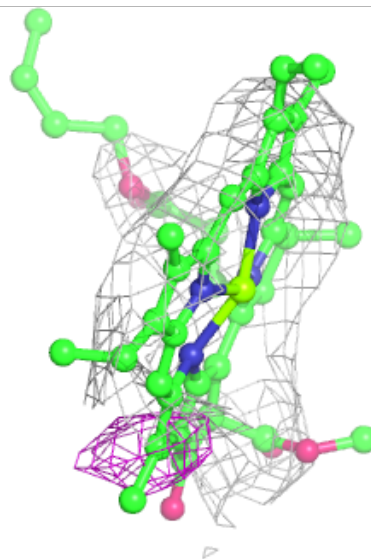
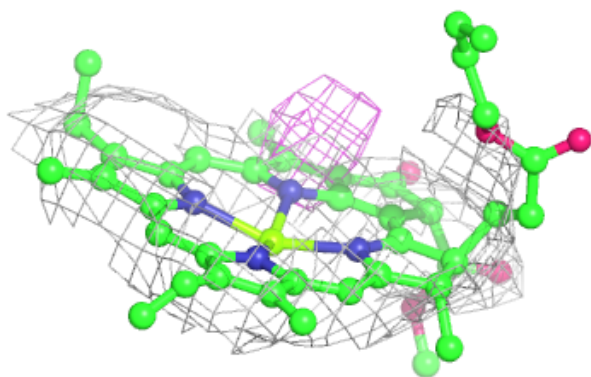
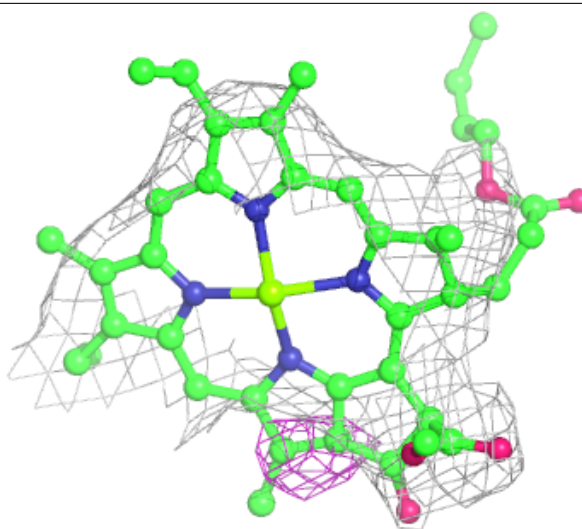
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





**Electron density around CLA A2 1624:**

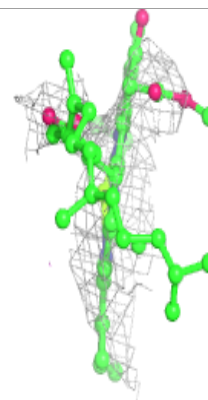
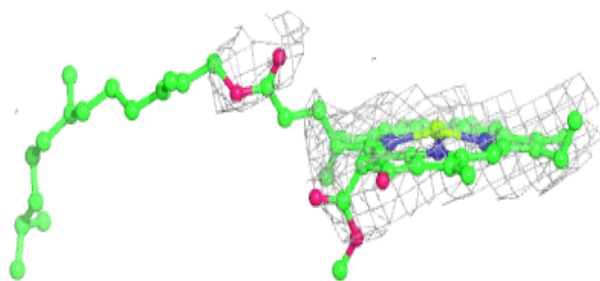
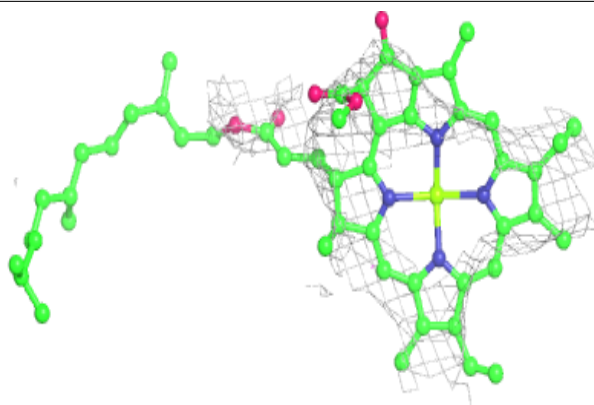
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



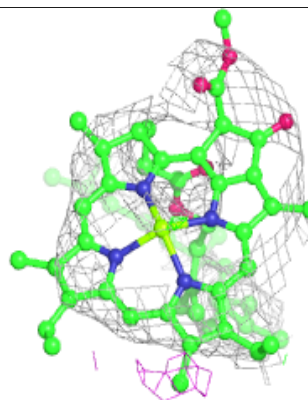
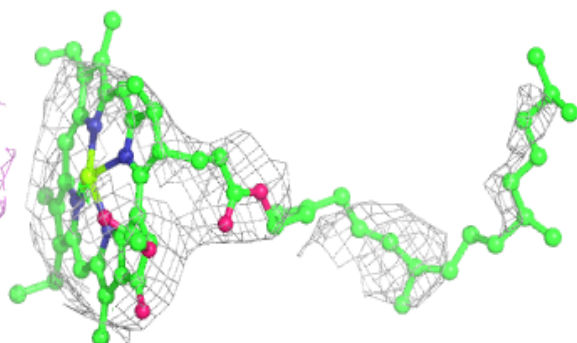
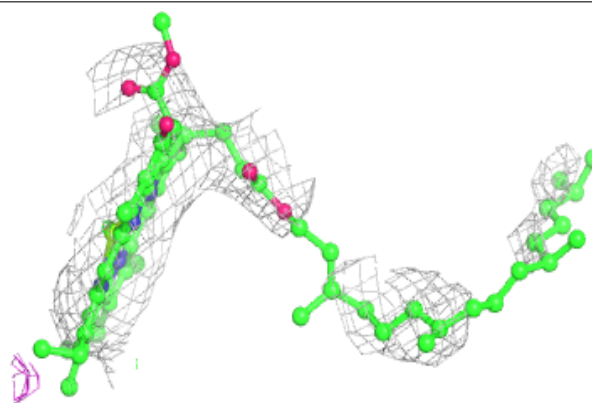


**Electron density around CLA B3 1839:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

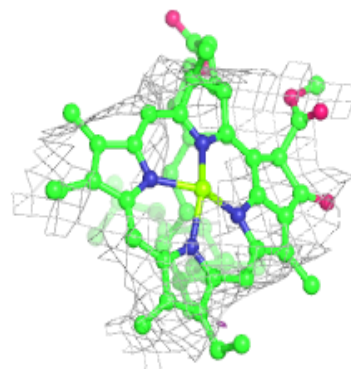
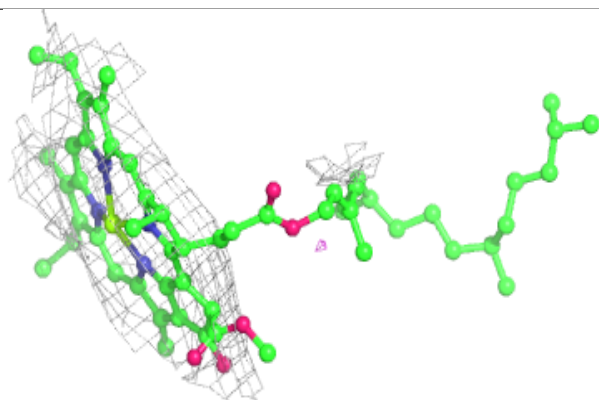
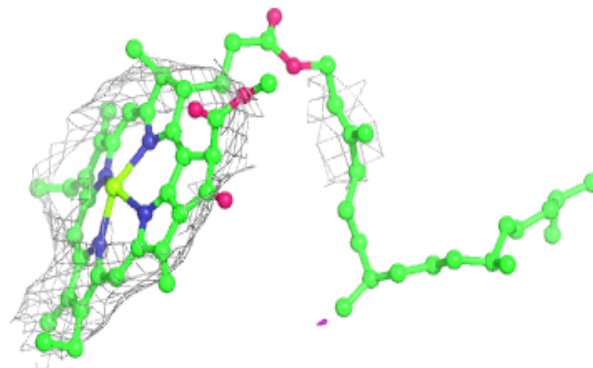
**Electron density around CLA B5 1842:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

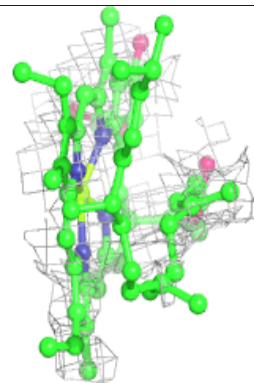
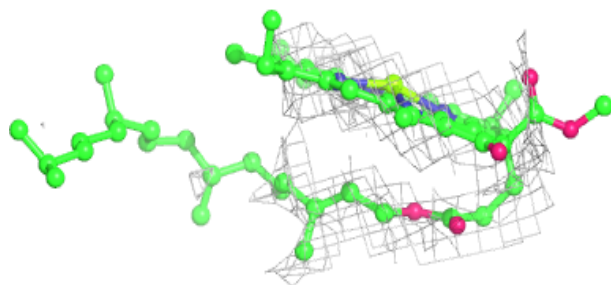
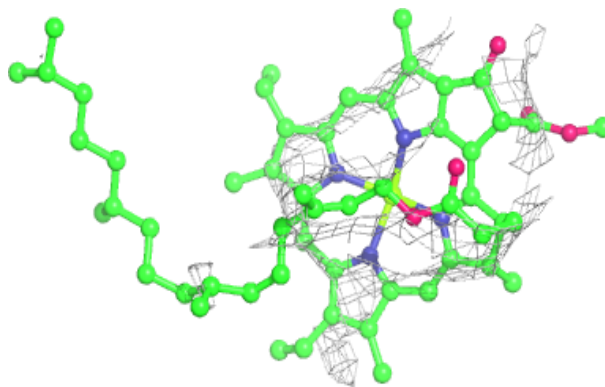


**Electron density around CLA B4 803:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

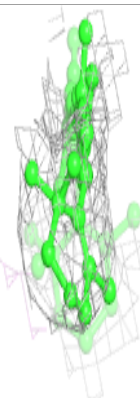
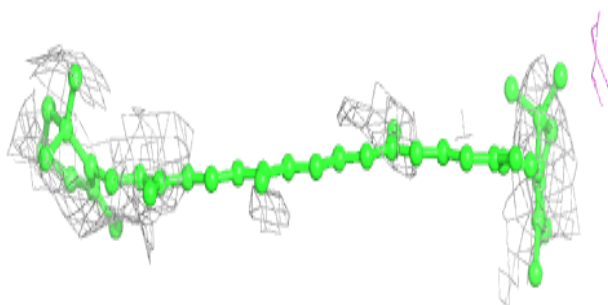
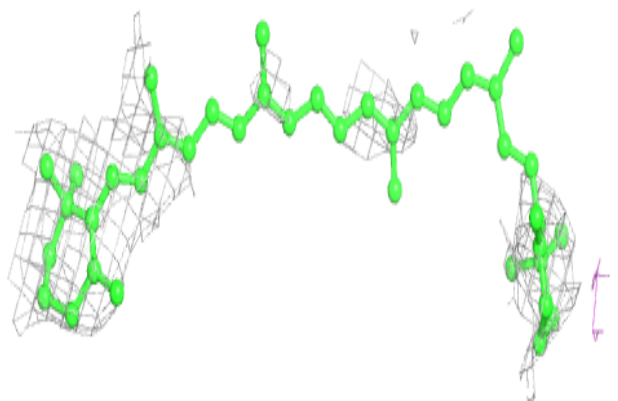
**Electron density around CLA B4 840:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

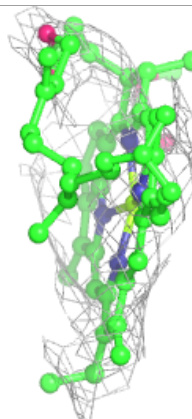
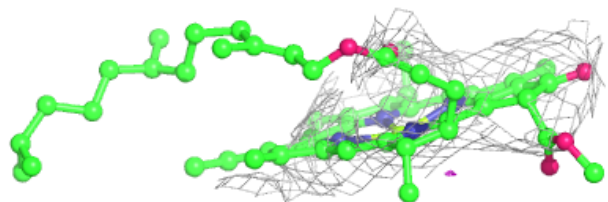
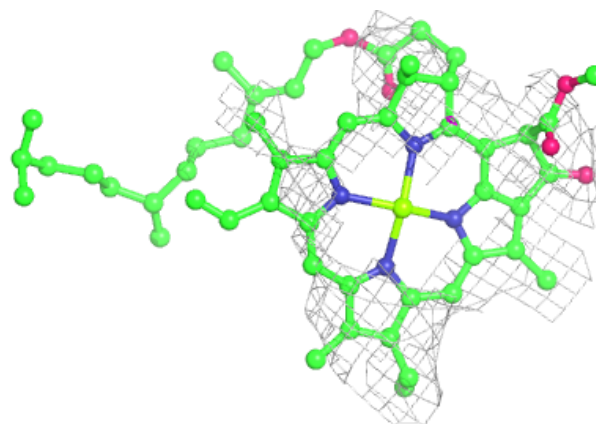


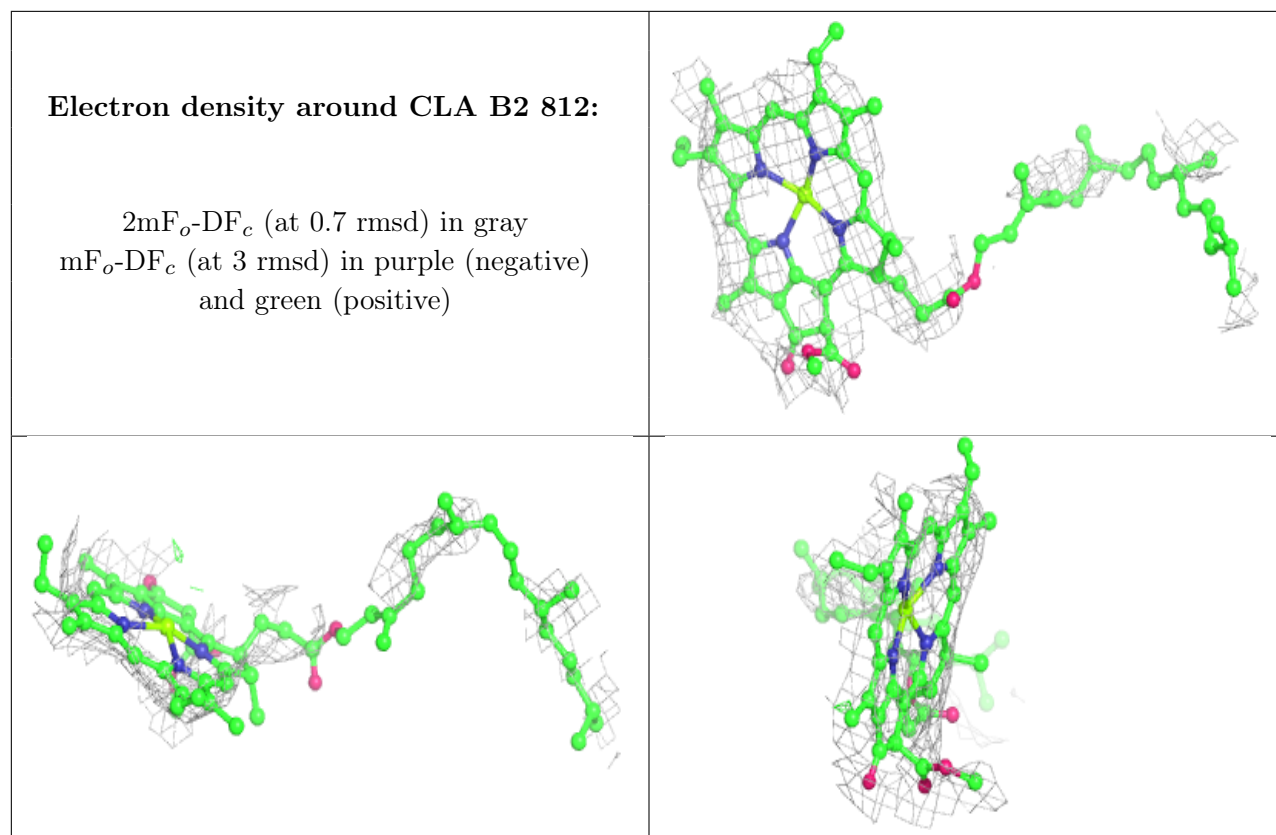
**Electron density around BCR L6 204:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B3 1820:**

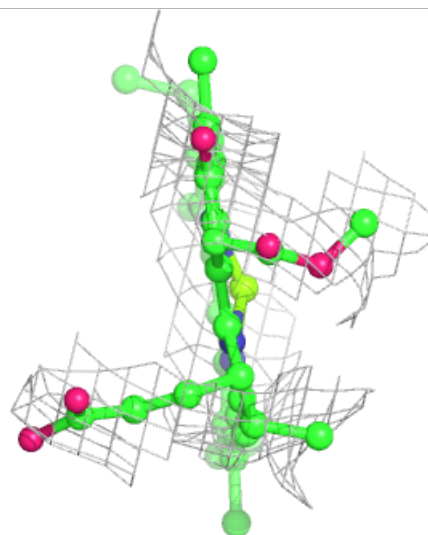
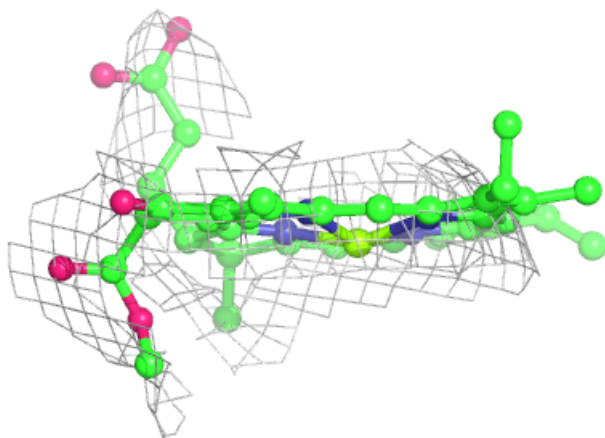
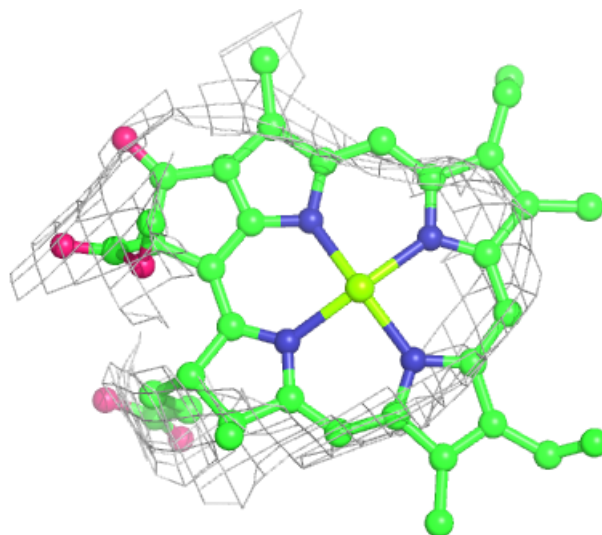
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





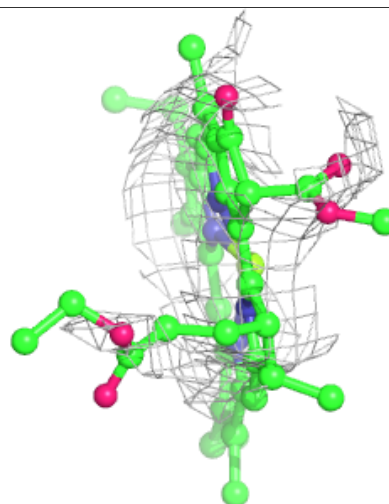
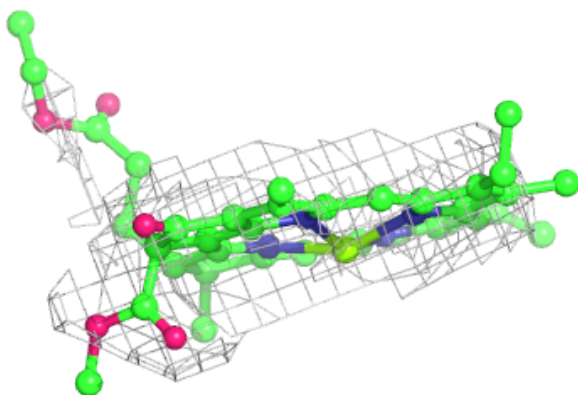
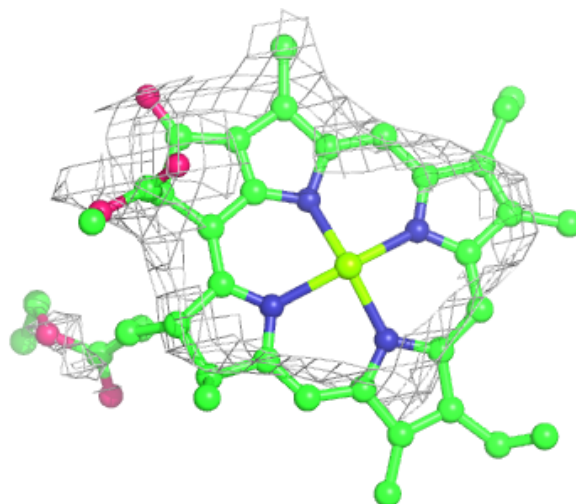
**Electron density around CLA B3 1836:**

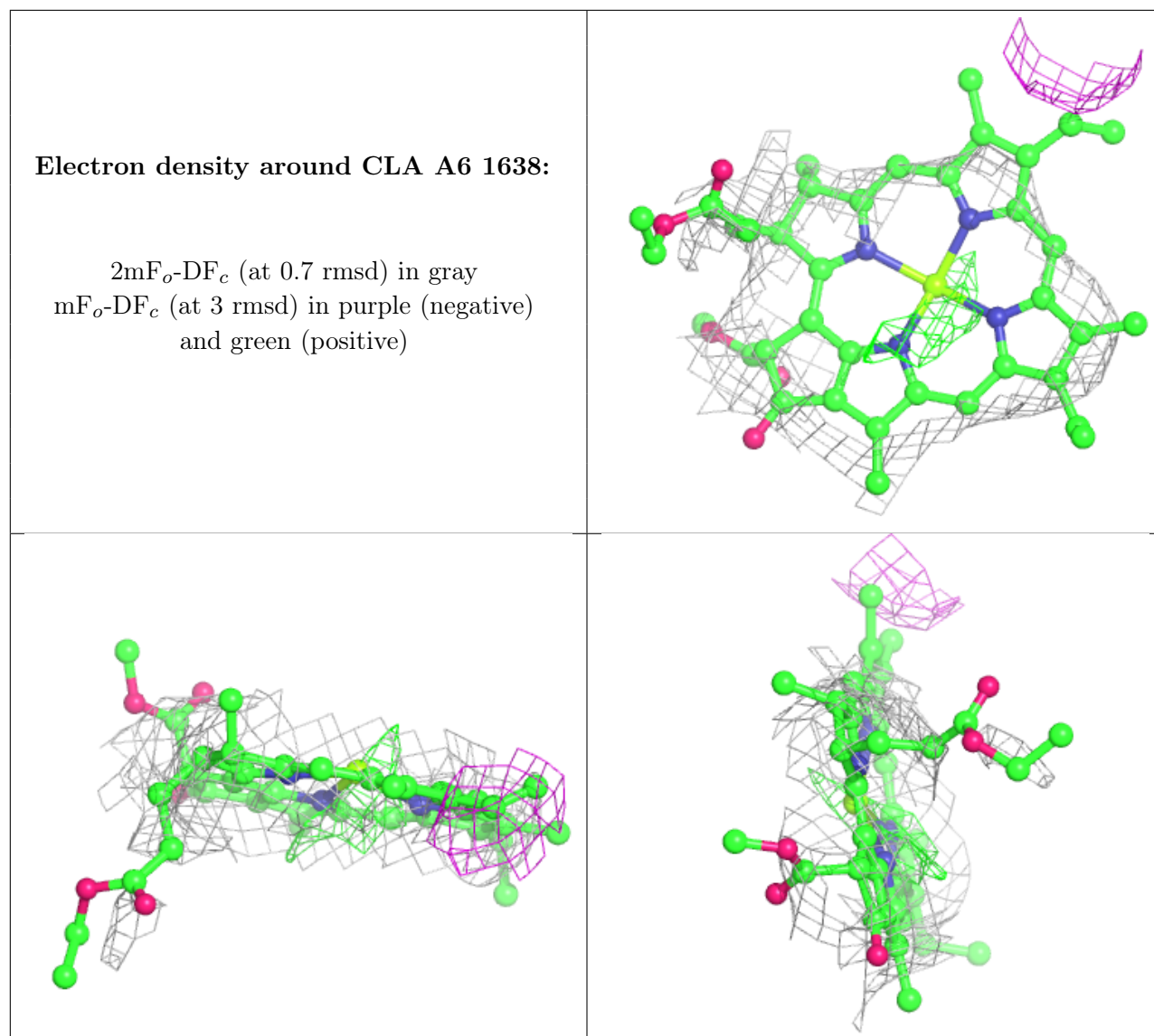
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A4 837:**

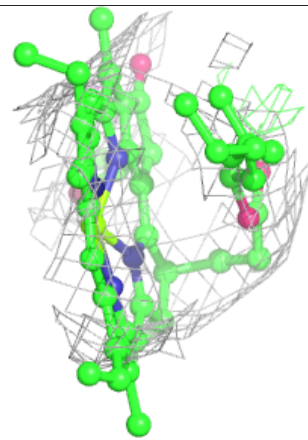
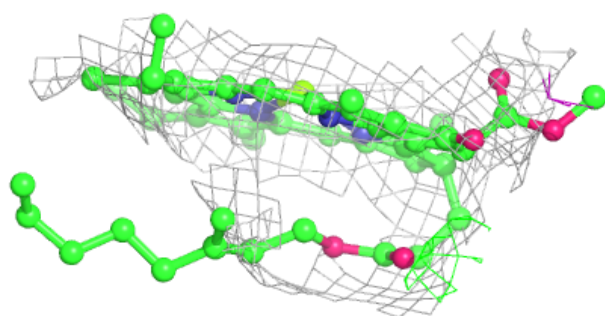
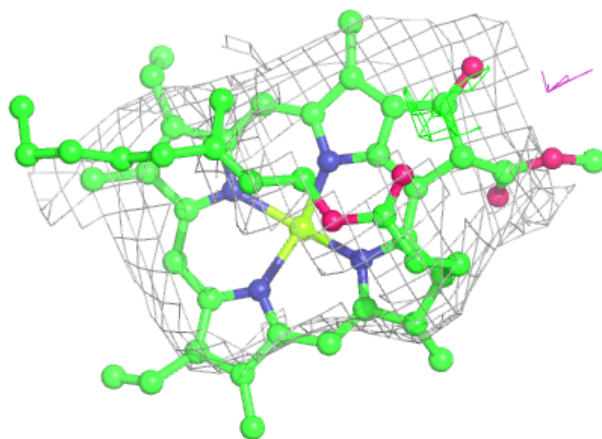
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



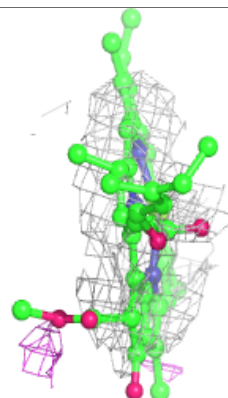
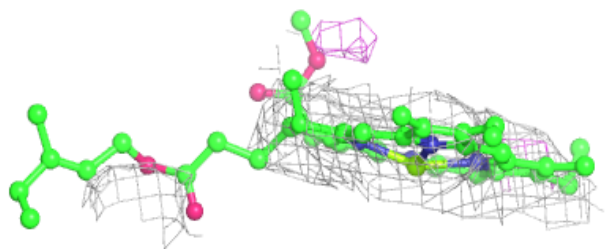
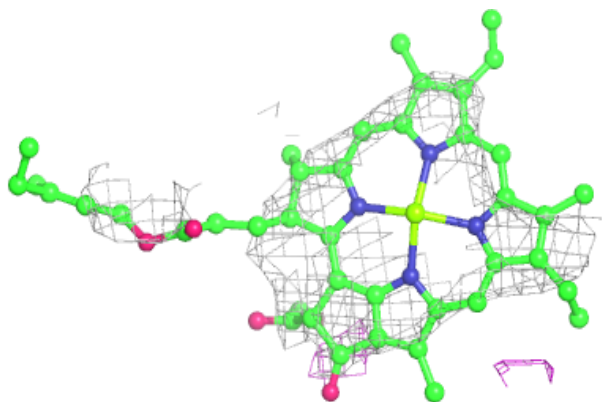


**Electron density around CLA A2 1619:**

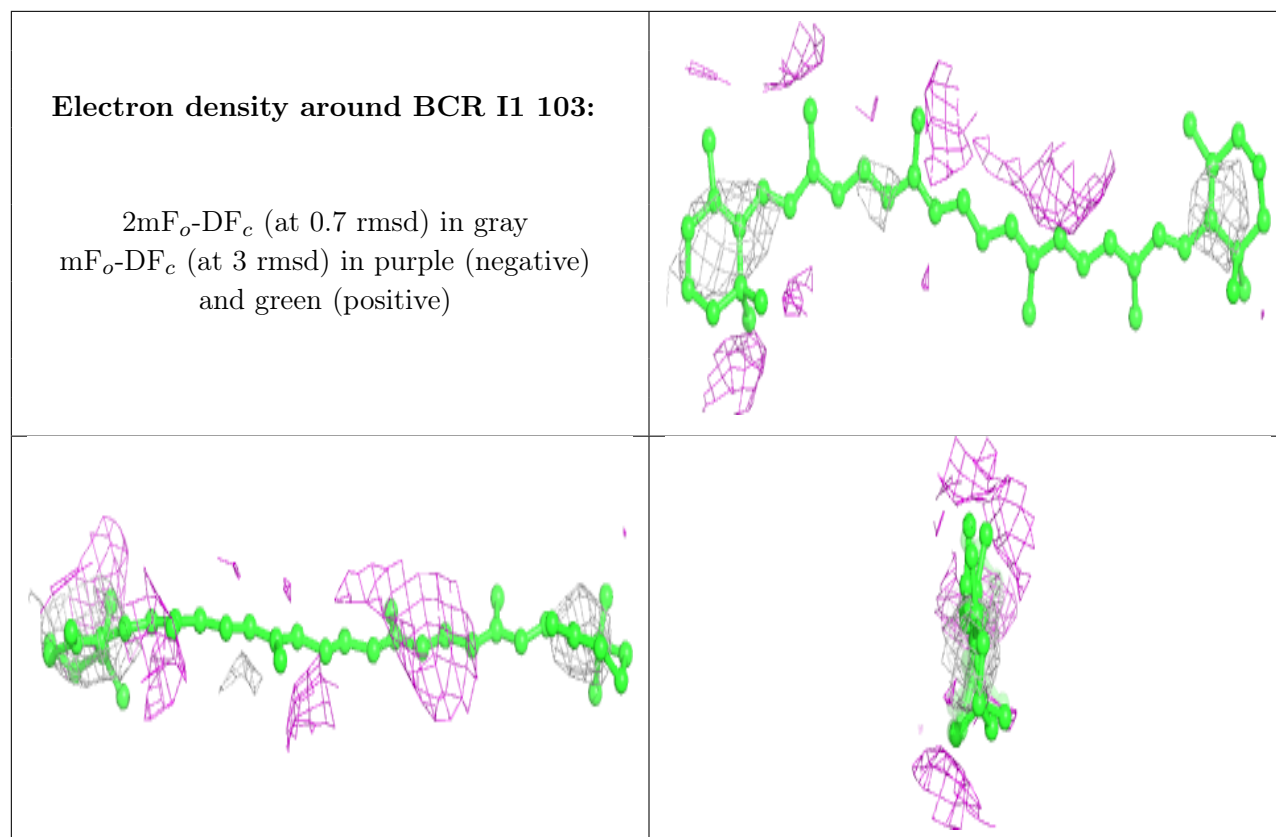
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A1 834:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

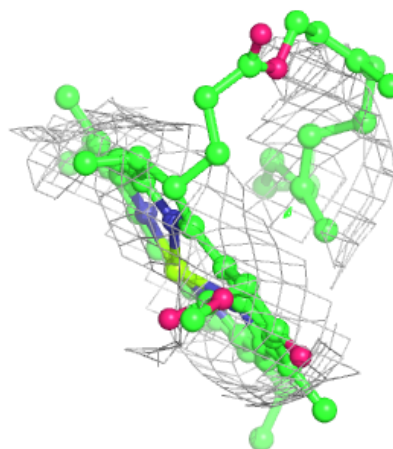
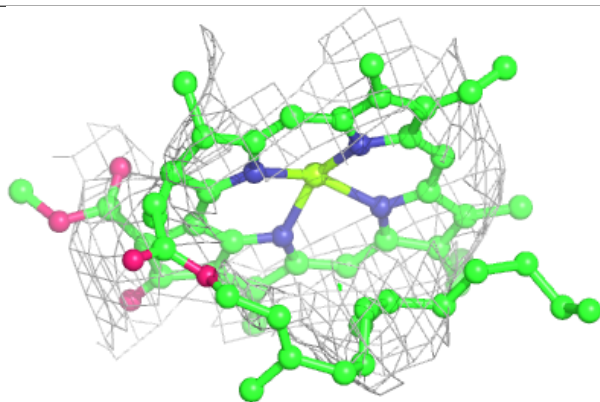
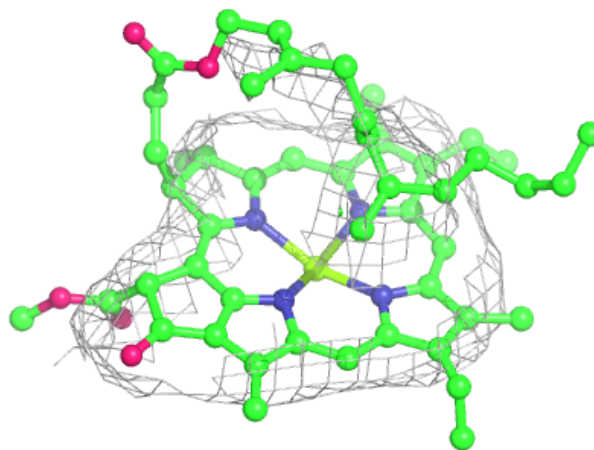






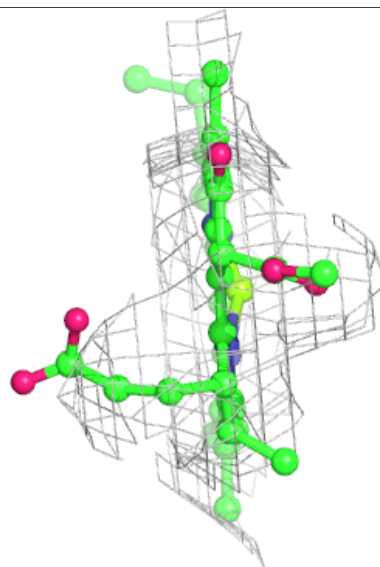
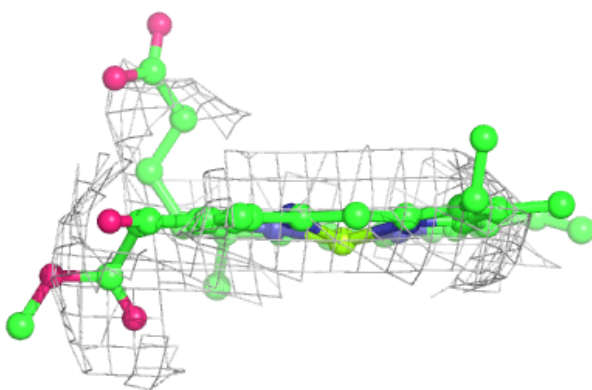
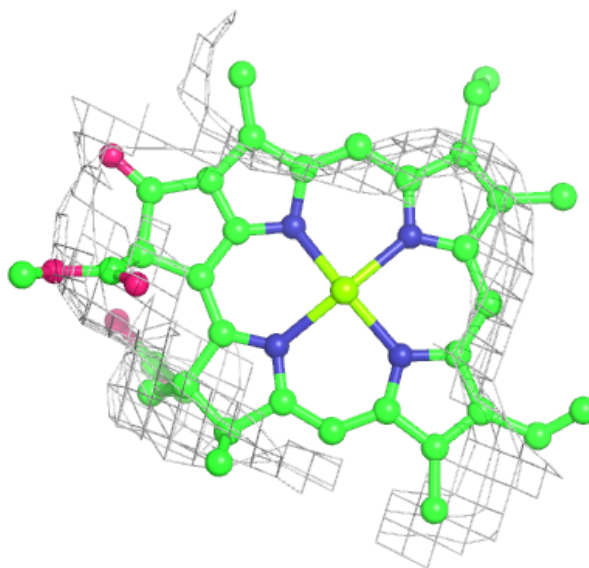
**Electron density around CLA B2 816:**

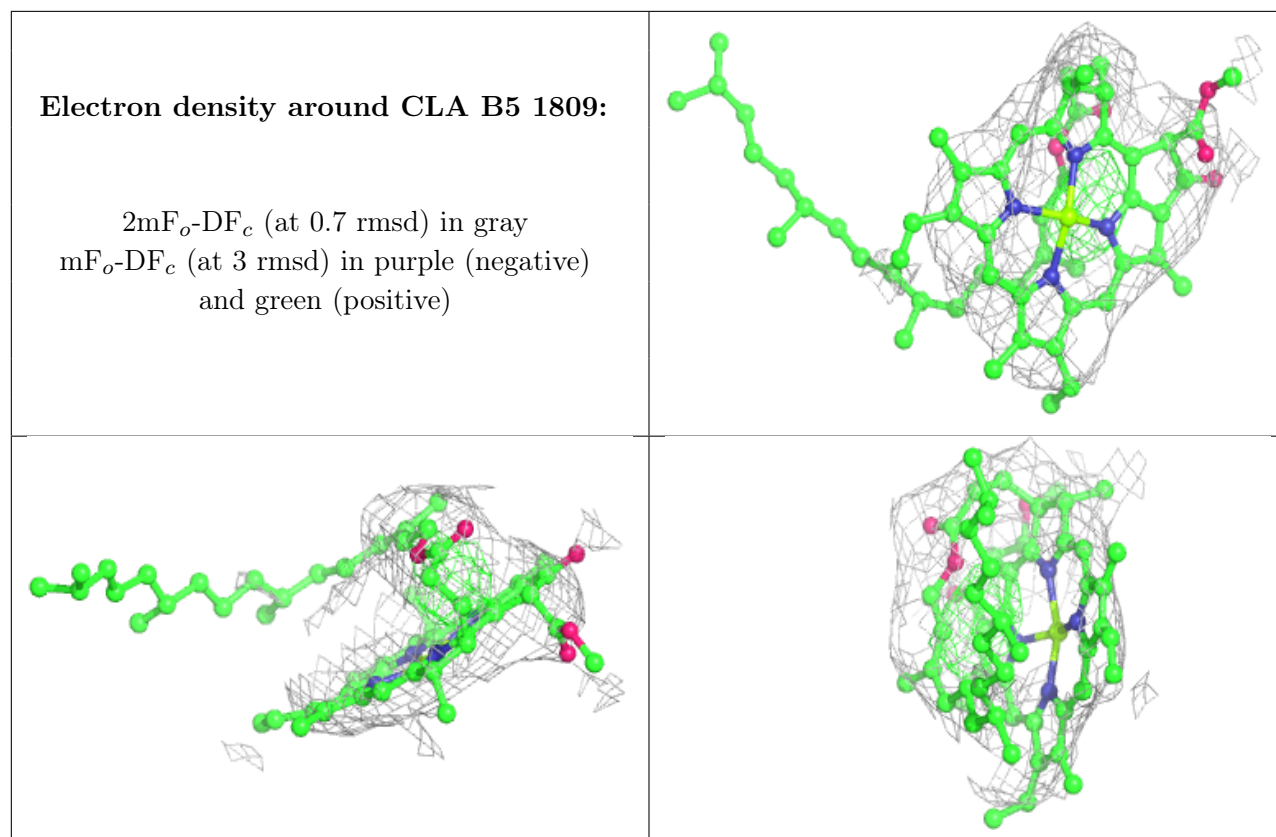
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B6 812:**

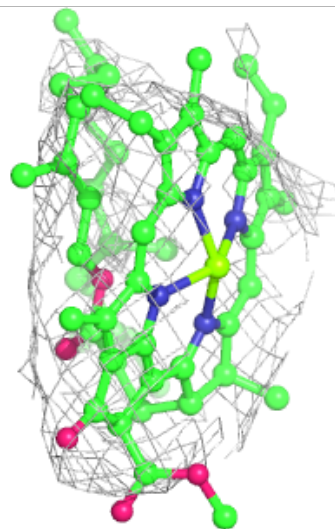
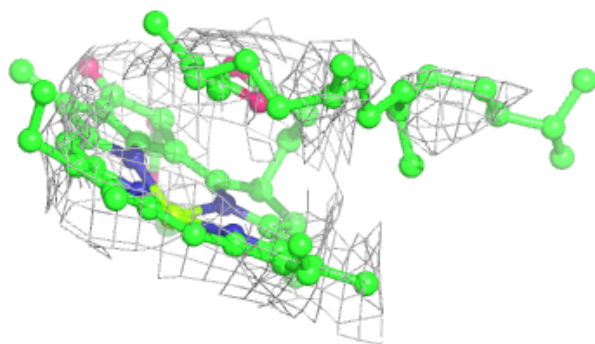
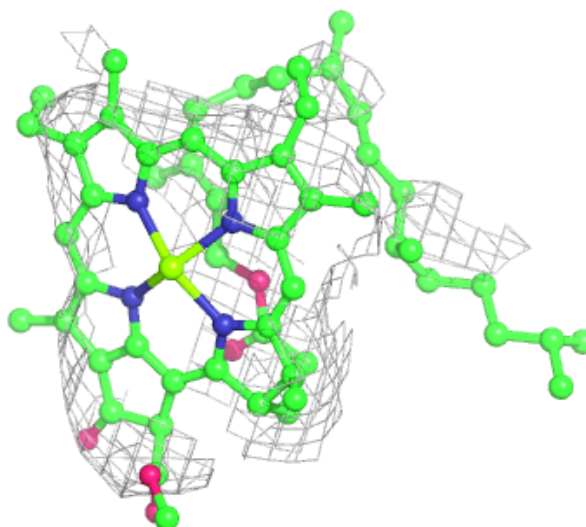
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

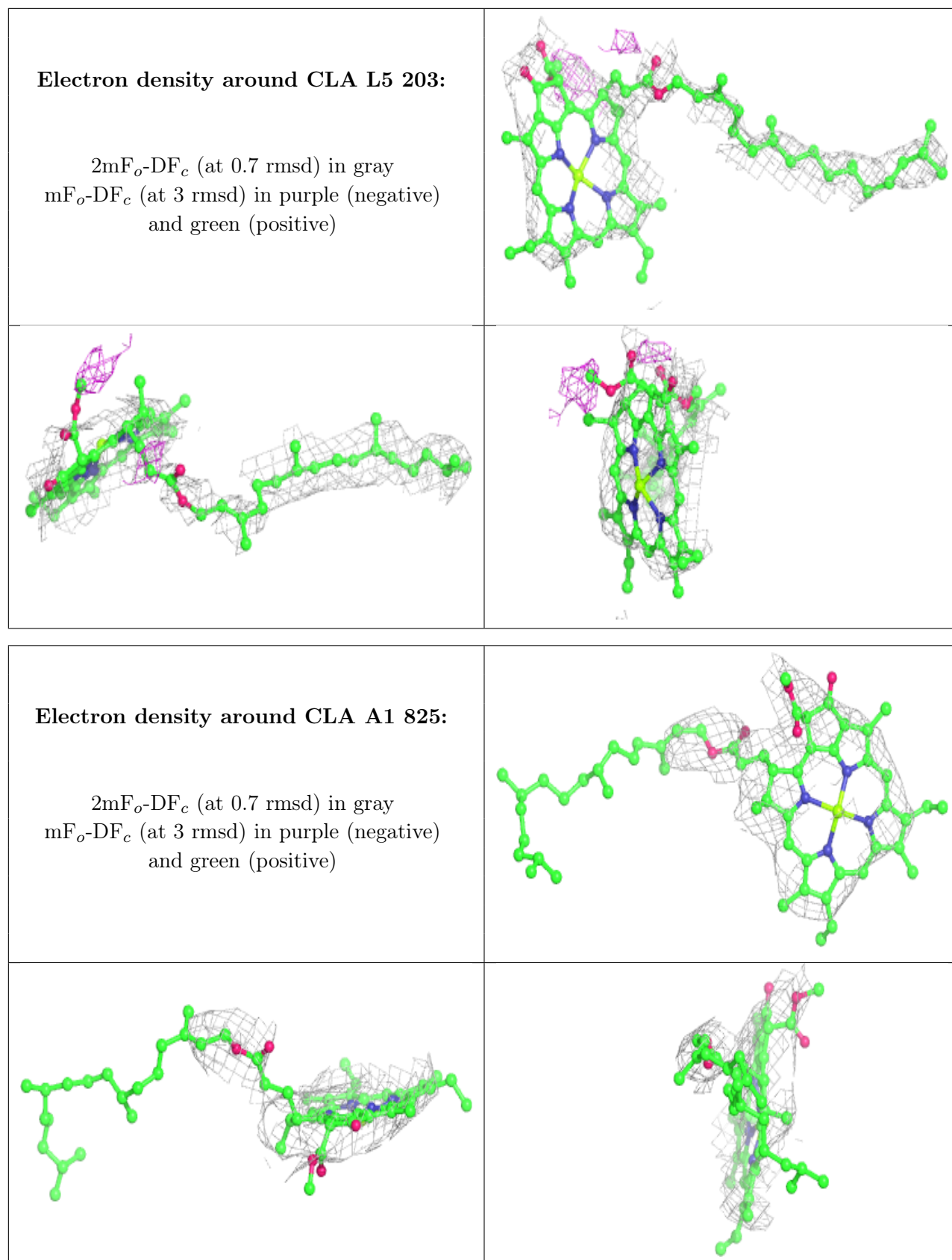


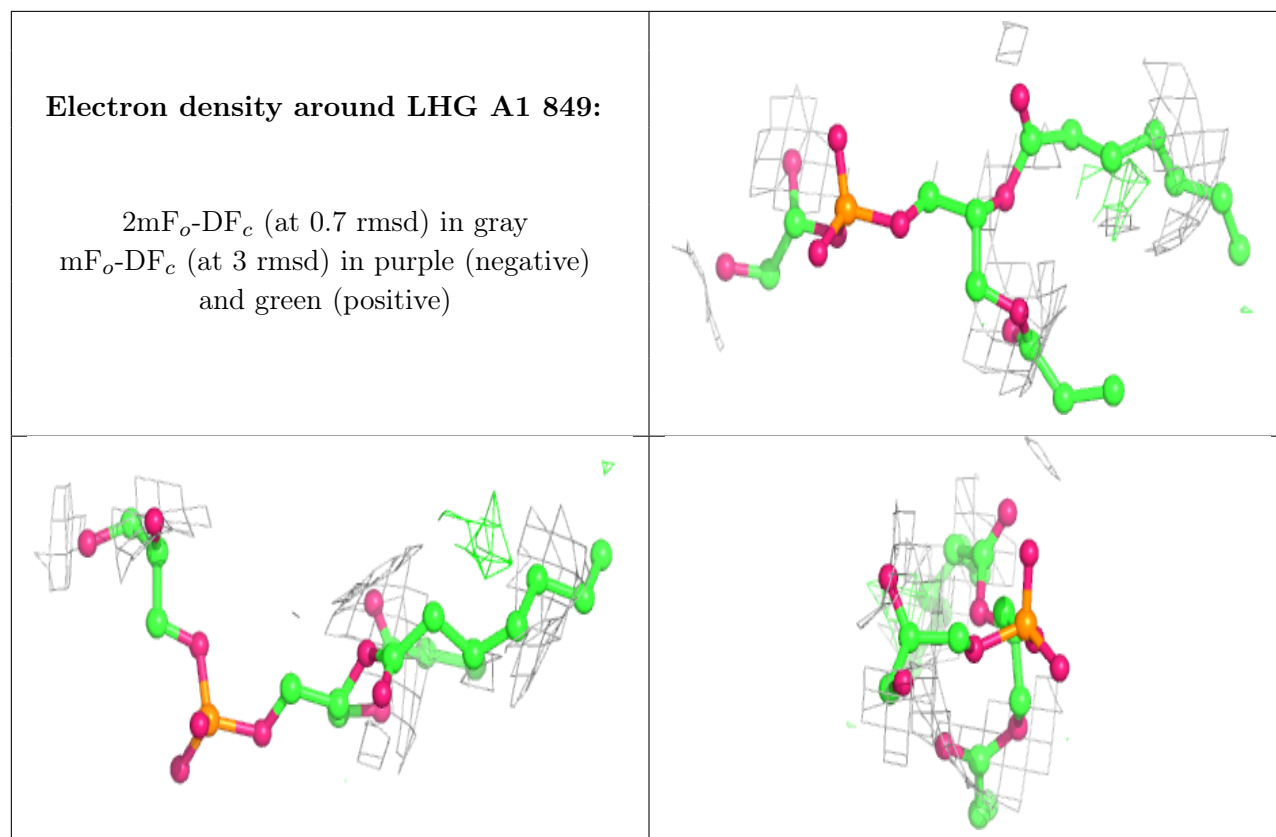


**Electron density around CLA B1 810:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

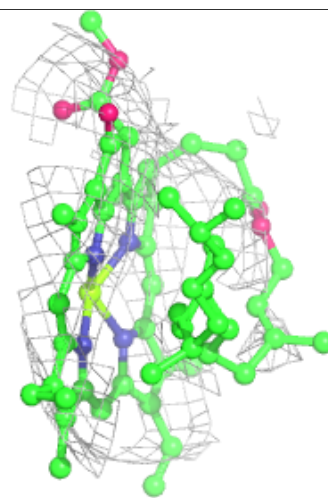
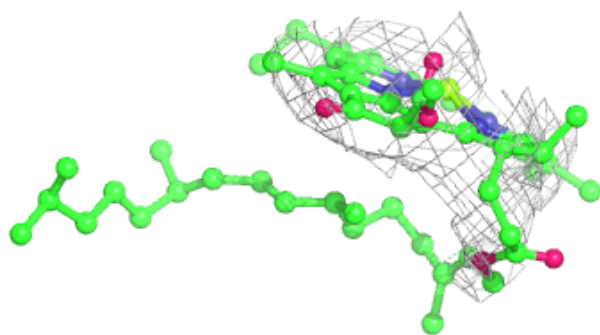
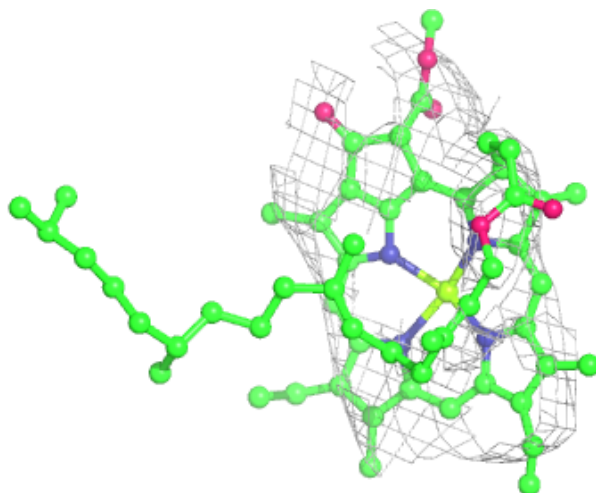




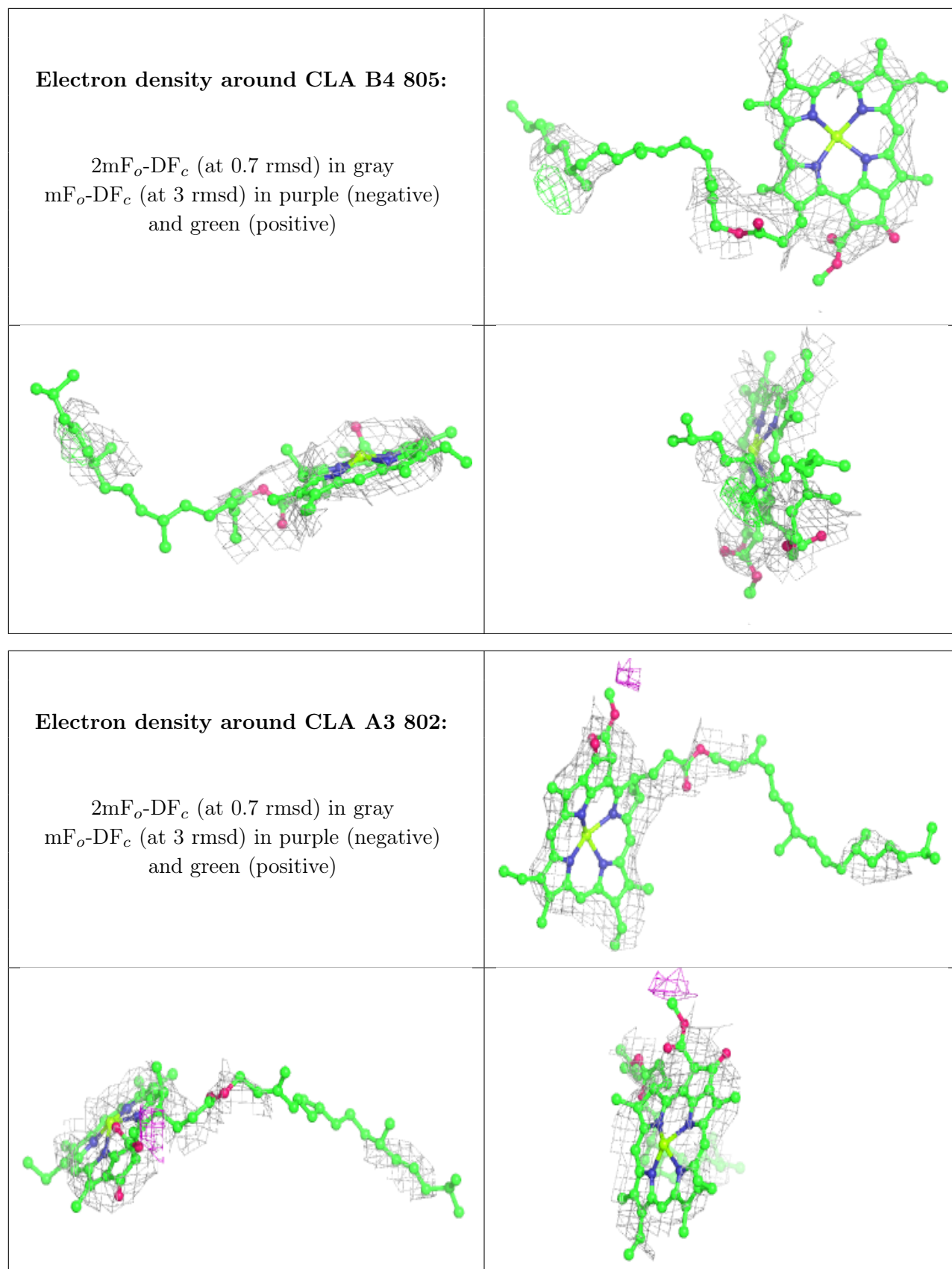


**Electron density around CLA B1 828:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

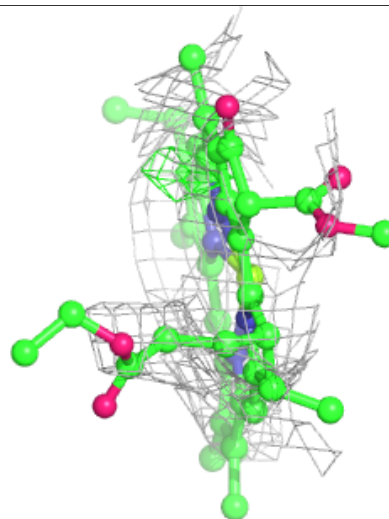
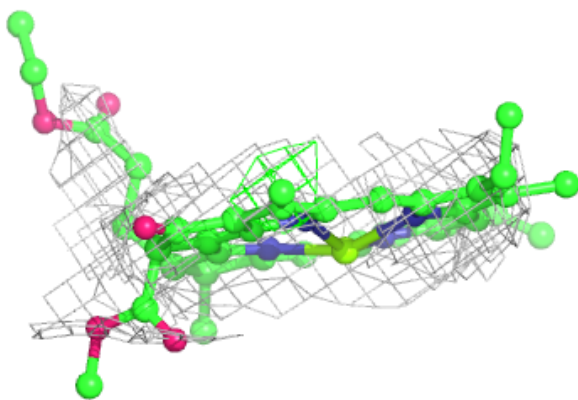
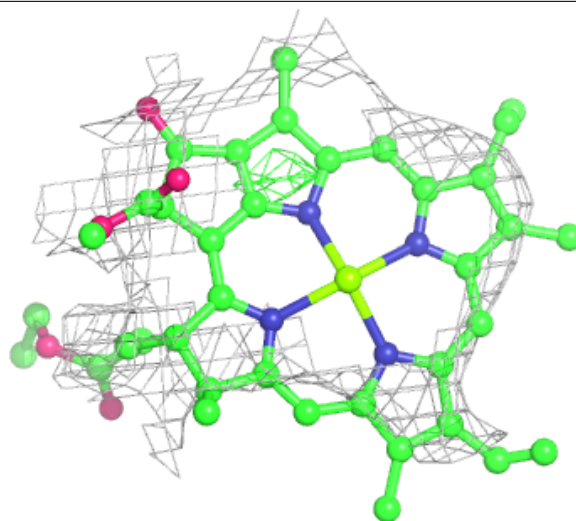


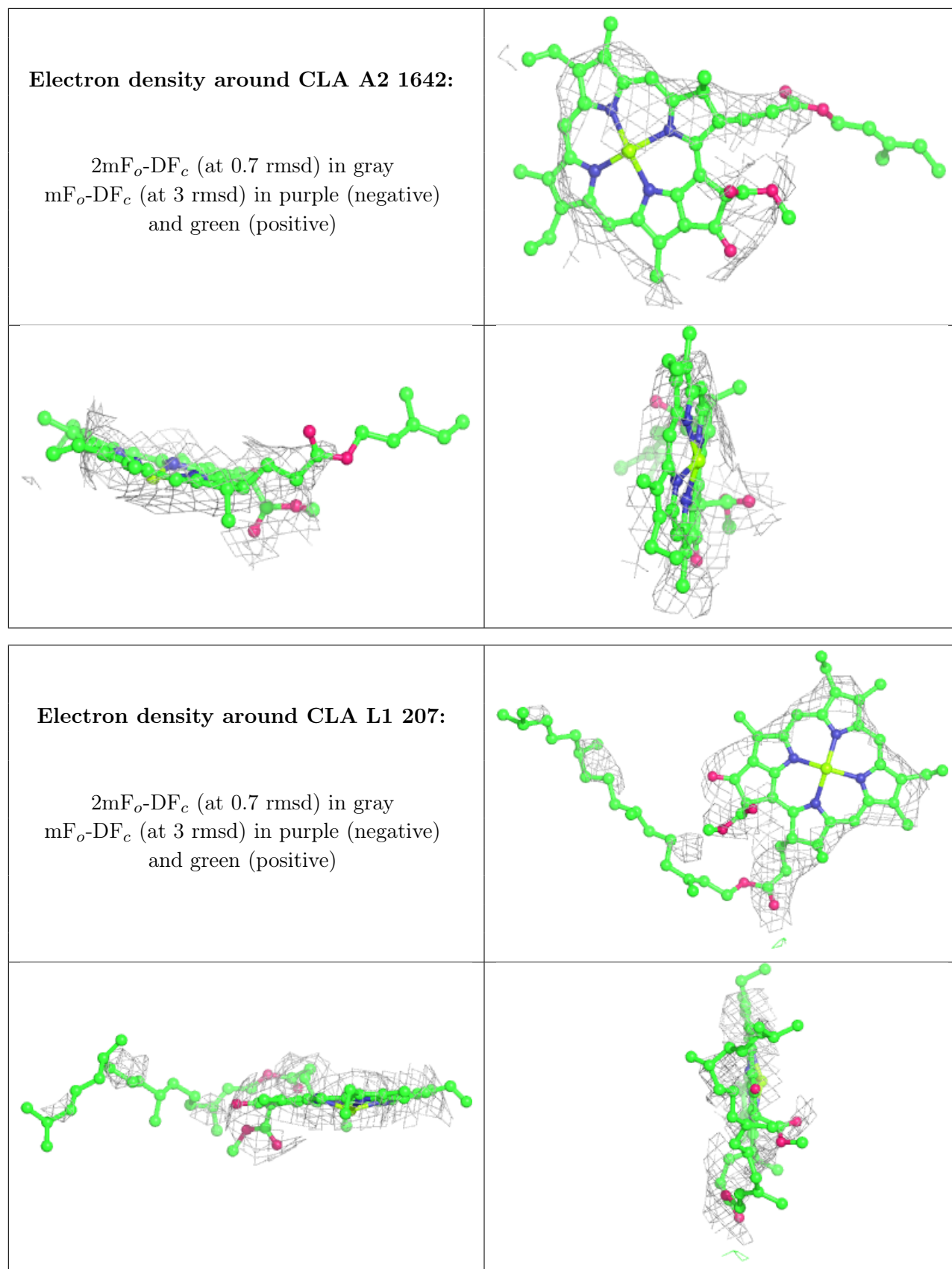




**Electron density around CLA A2 1640:**

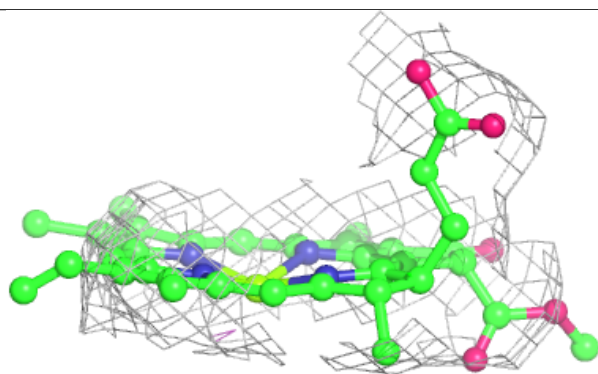
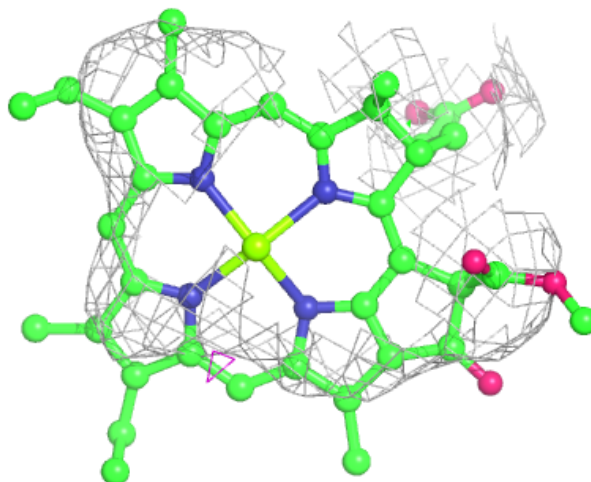
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





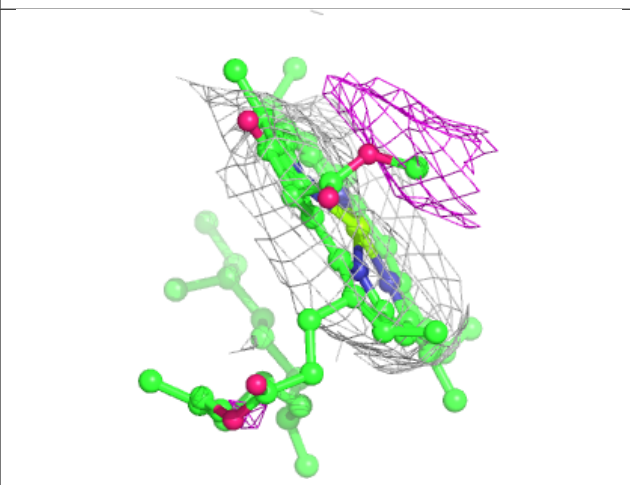
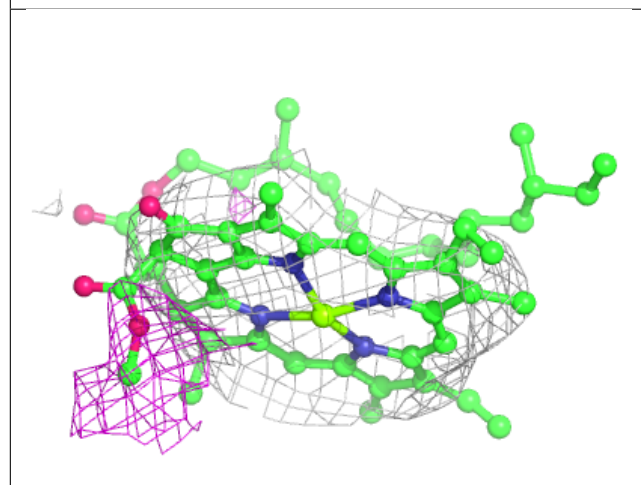
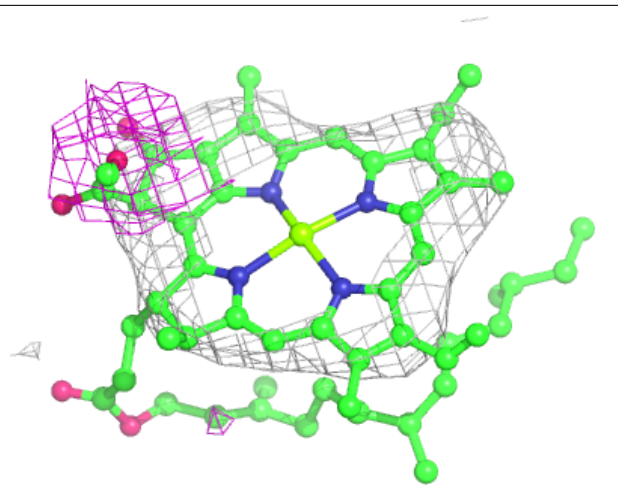
**Electron density around CLA B2 810:**

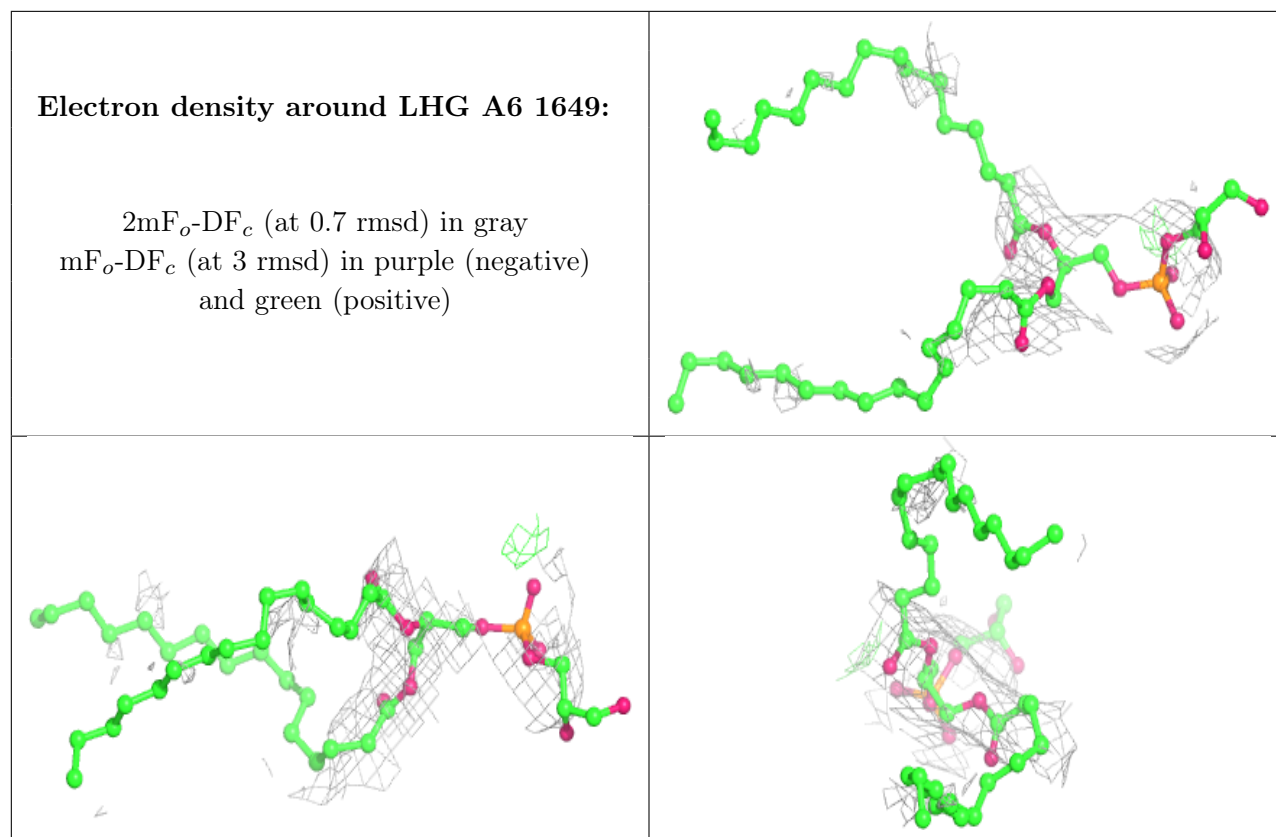
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A3 820:**

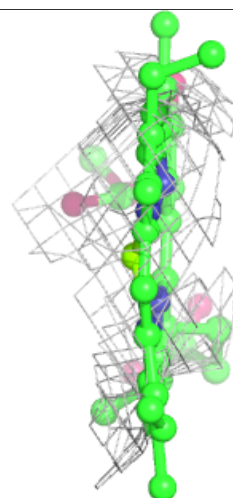
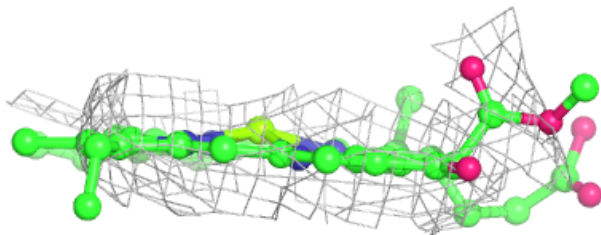
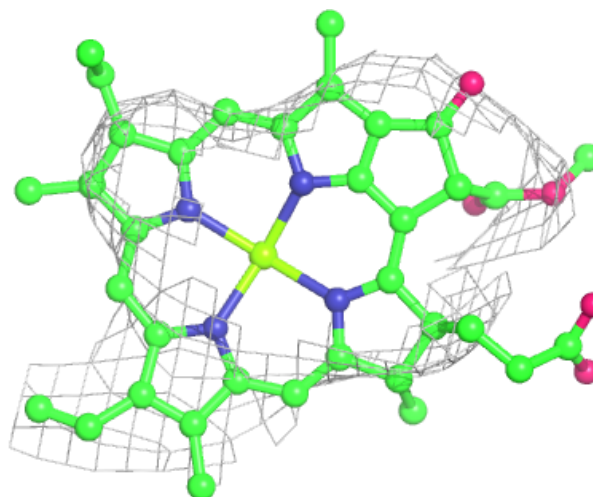
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





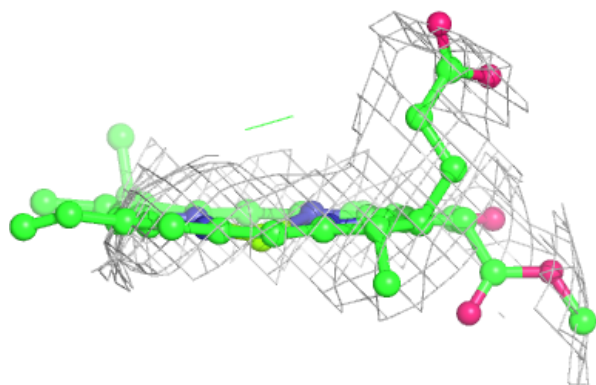
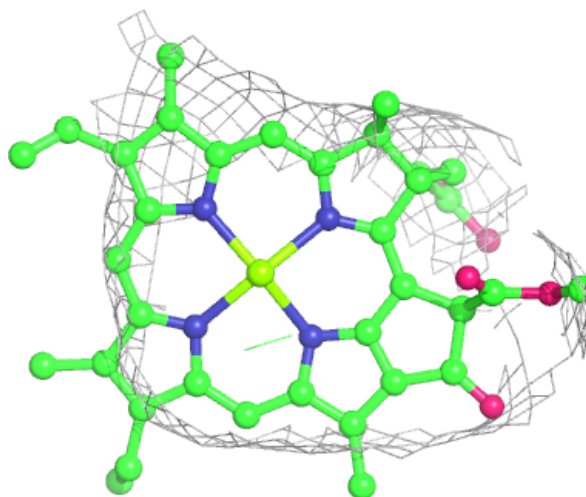
**Electron density around CLA B6 836:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

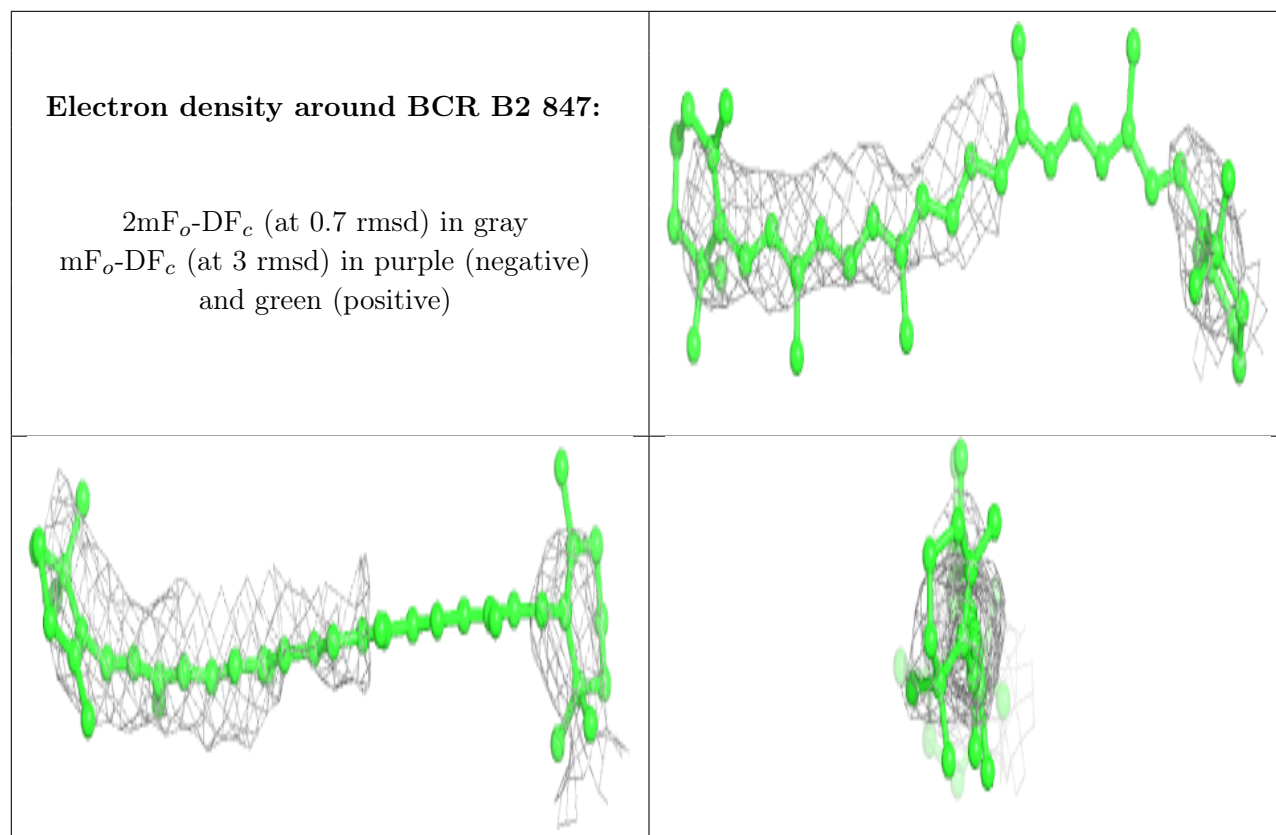


**Electron density around CLA B4 814:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

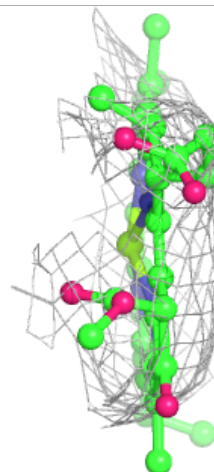
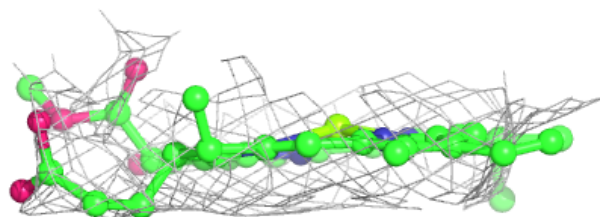
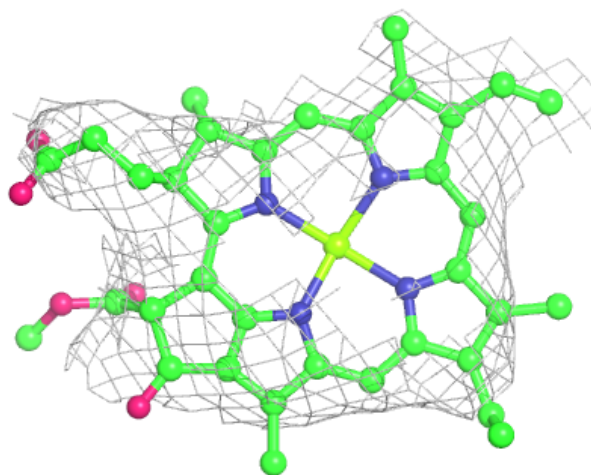






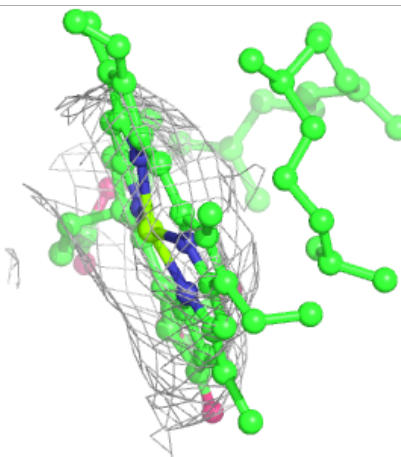
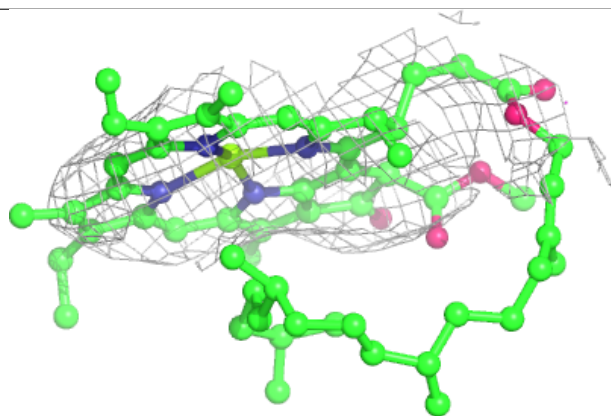
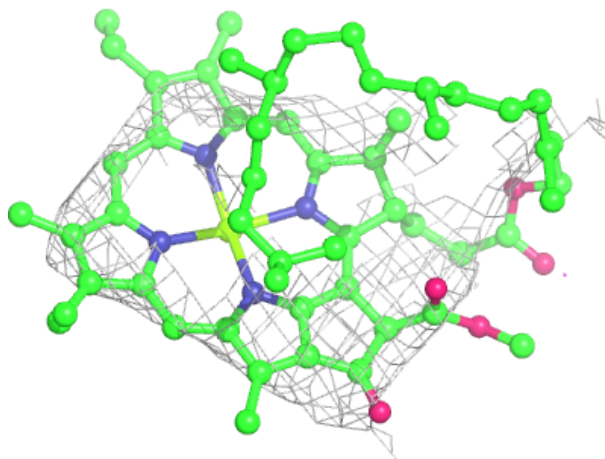
**Electron density around CLA B2 835:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



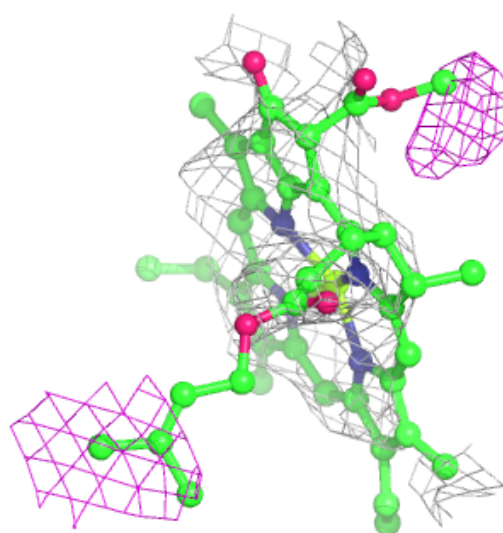
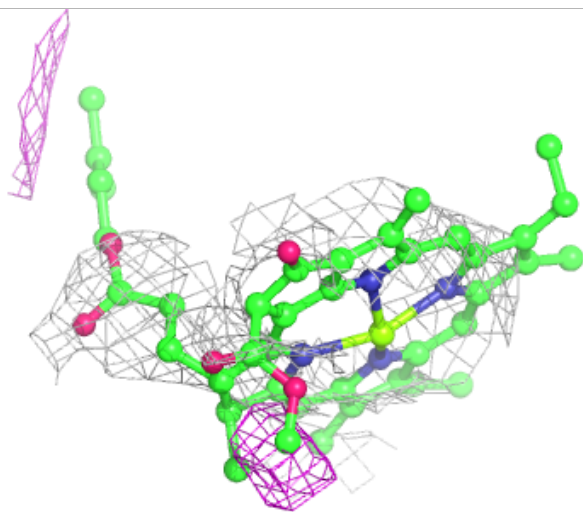
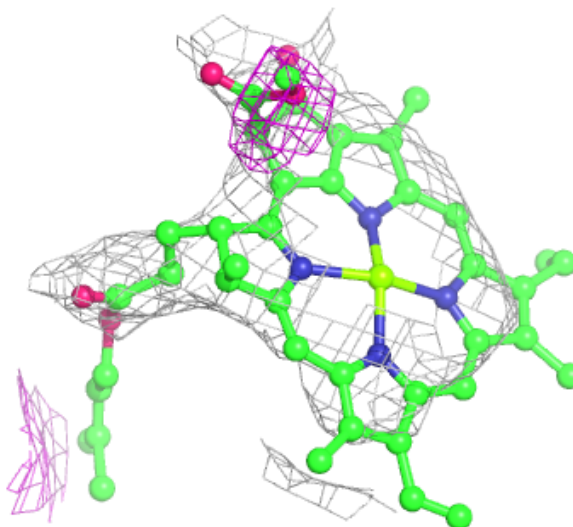
**Electron density around CLA A4 805:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



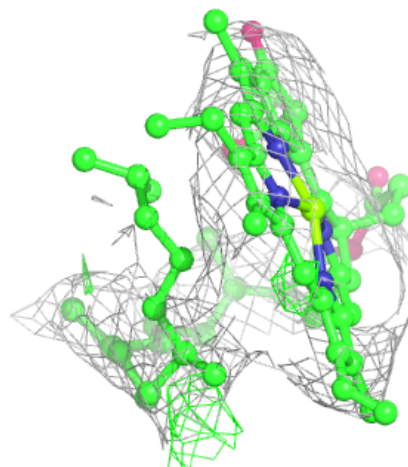
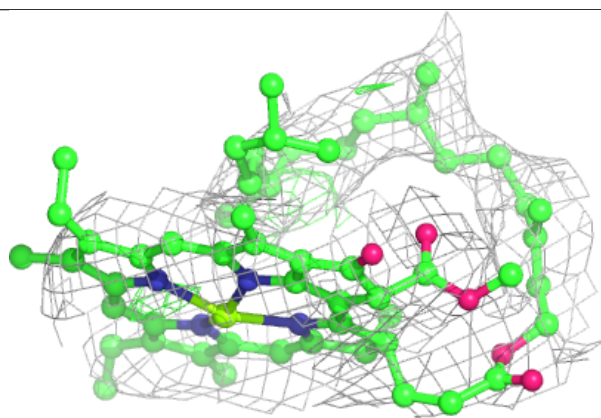
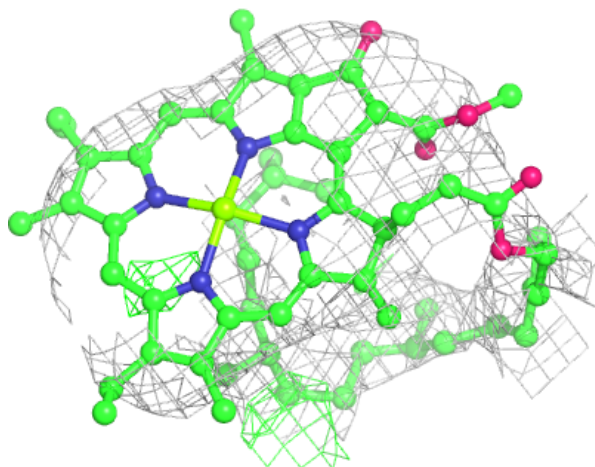
**Electron density around CLA A4 830:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



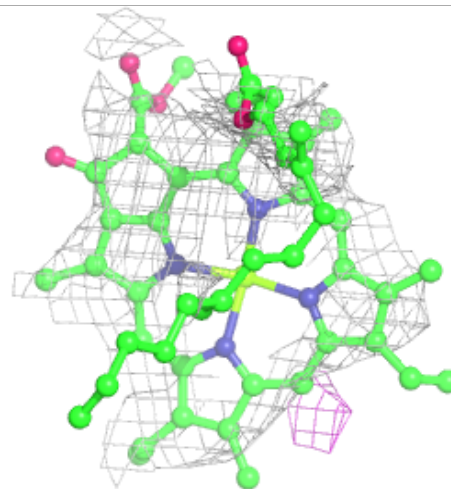
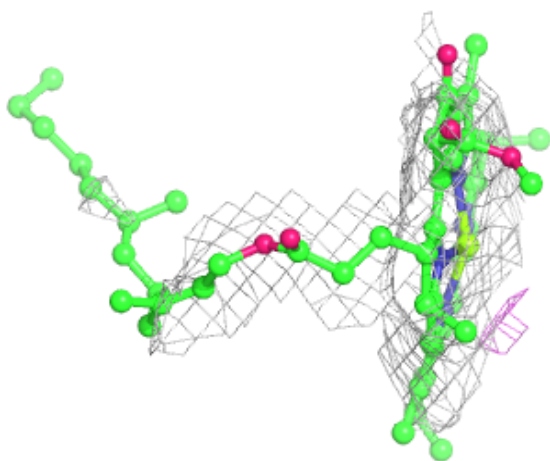
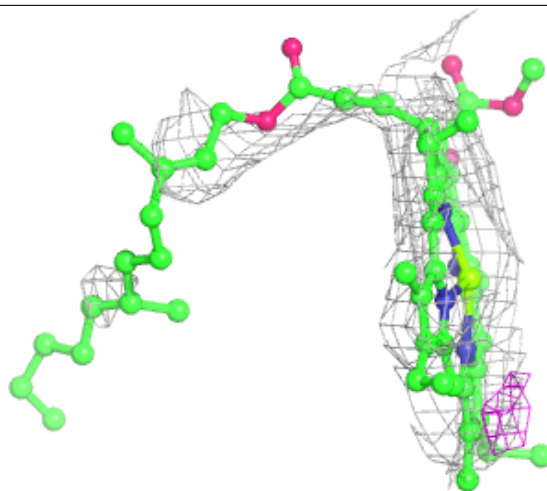
**Electron density around CLA A6 1606:**

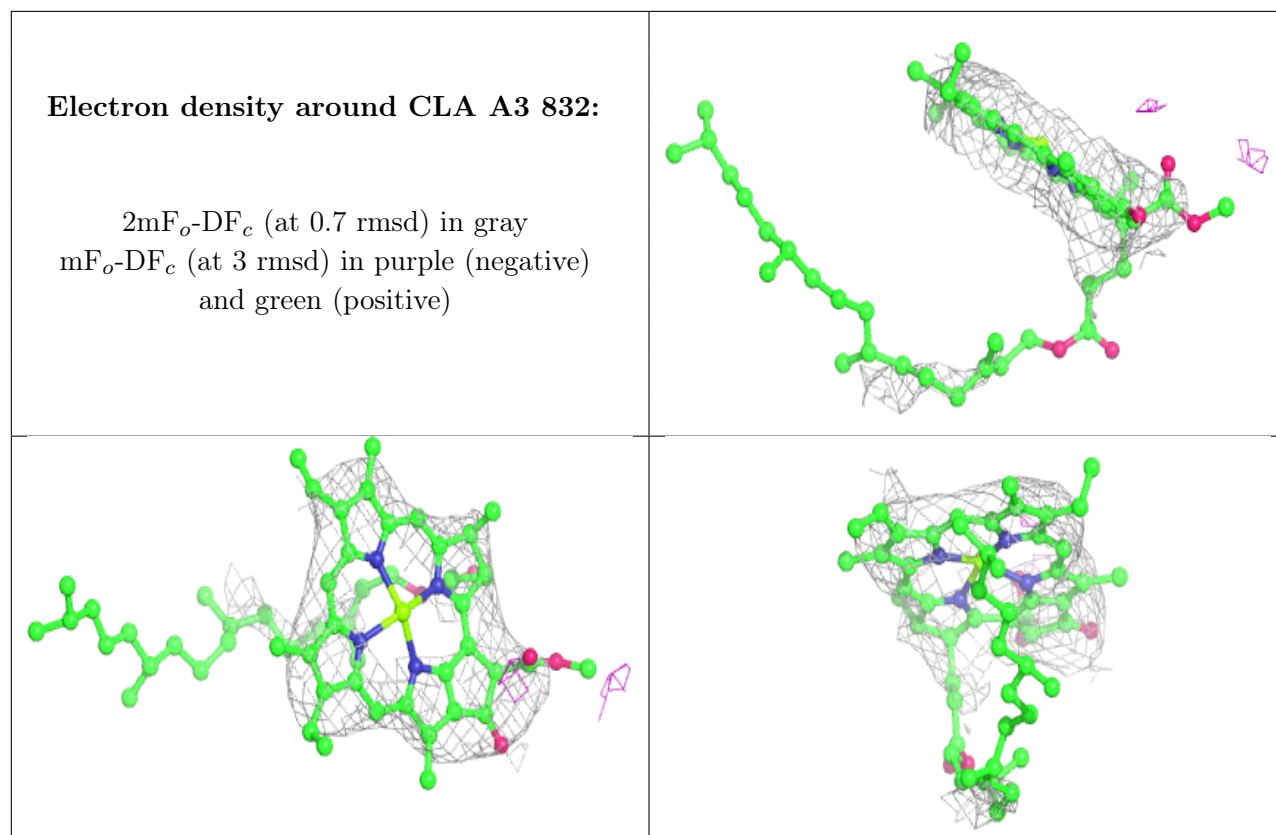
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A5 804:**

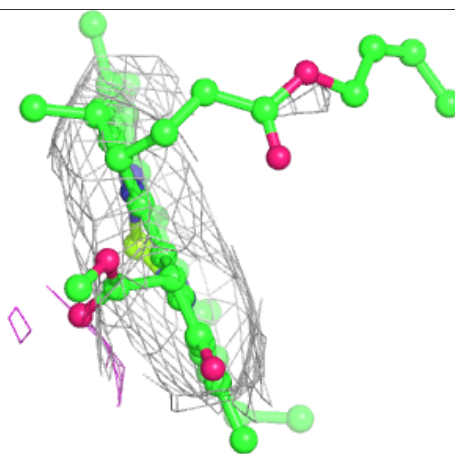
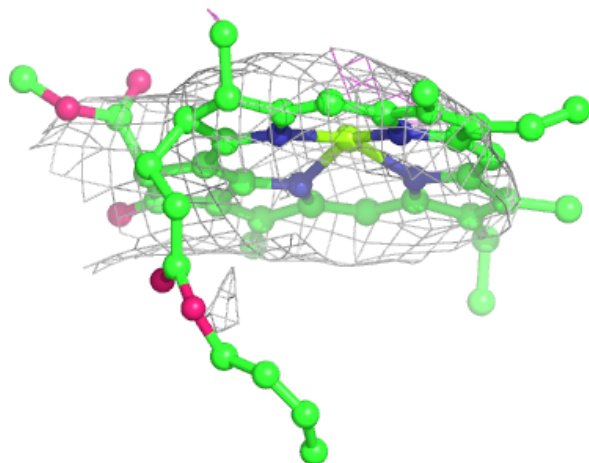
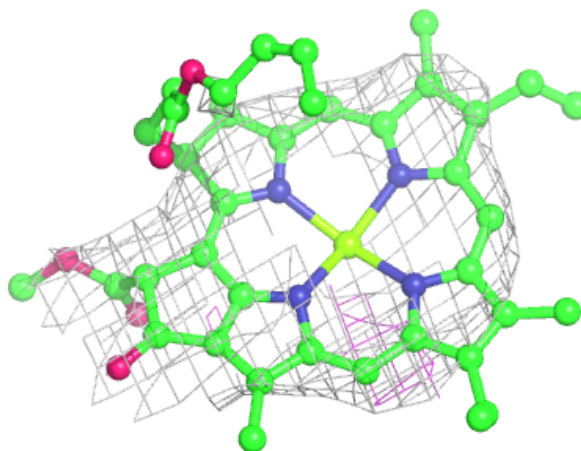
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



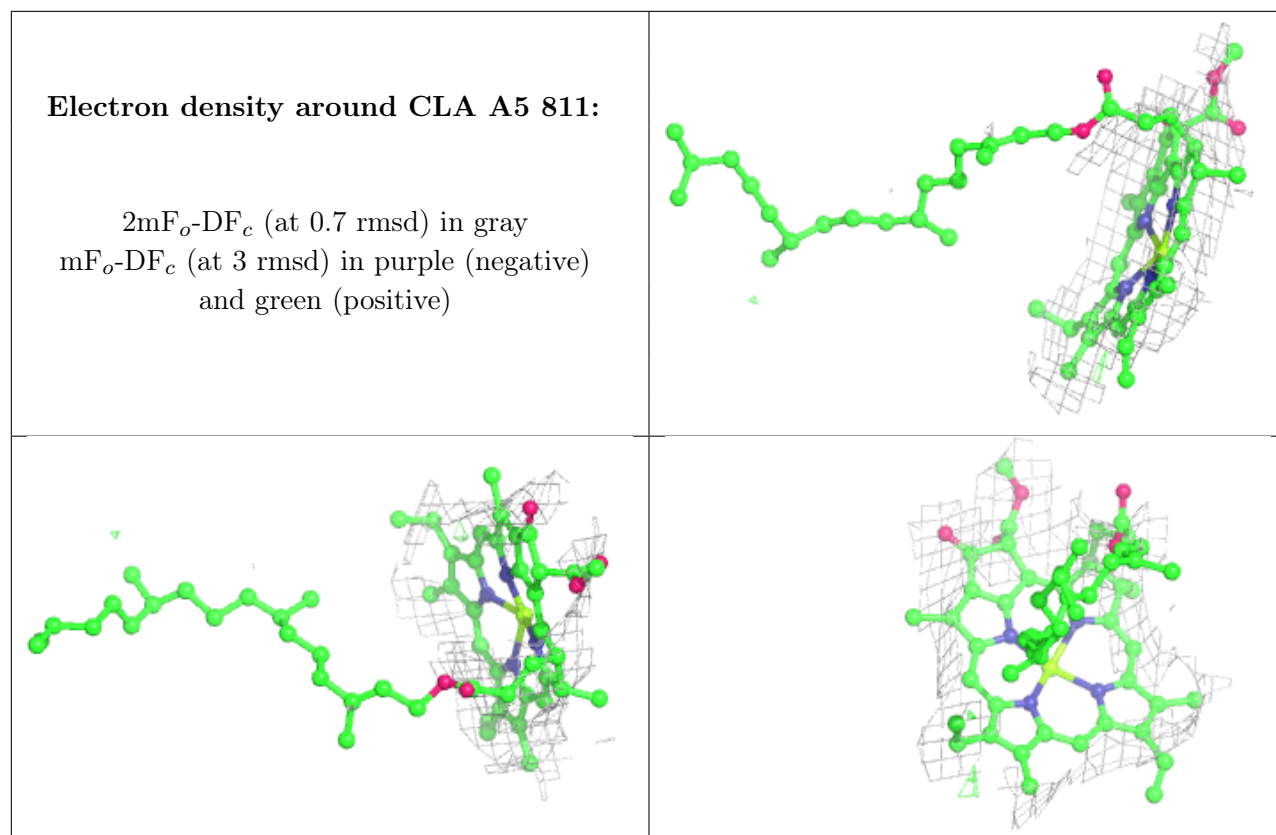


**Electron density around CLA B5 1833:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

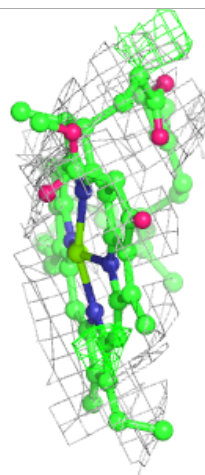
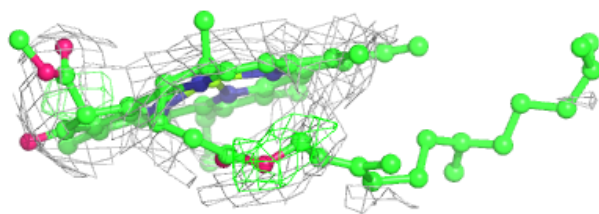
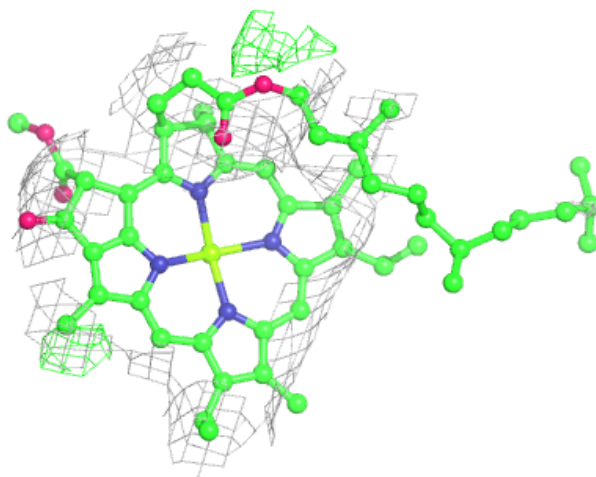






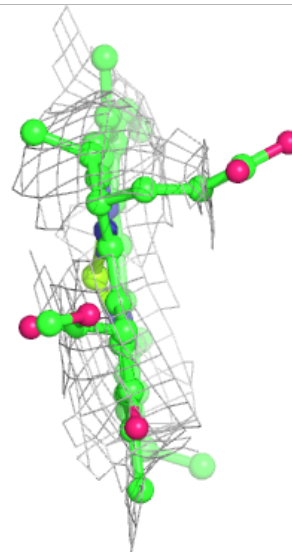
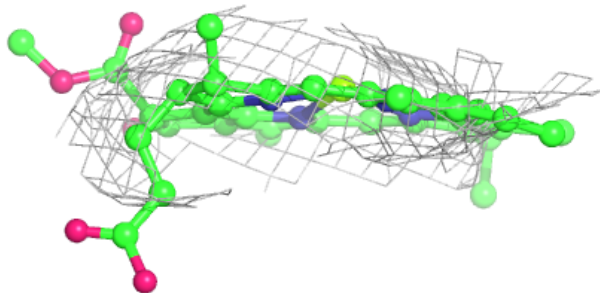
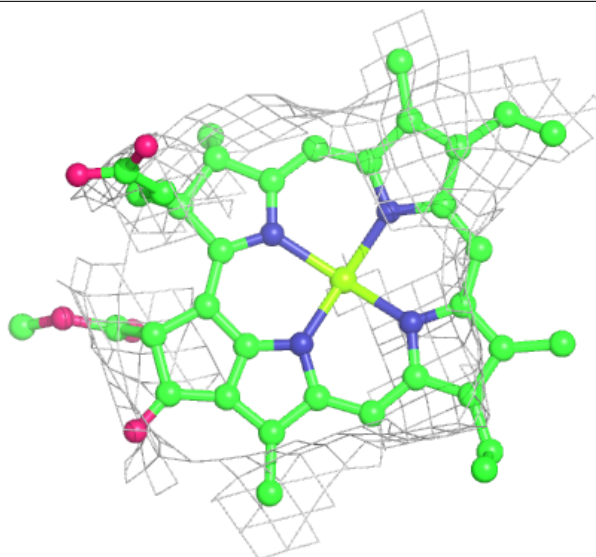
**Electron density around CLA B4 820:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



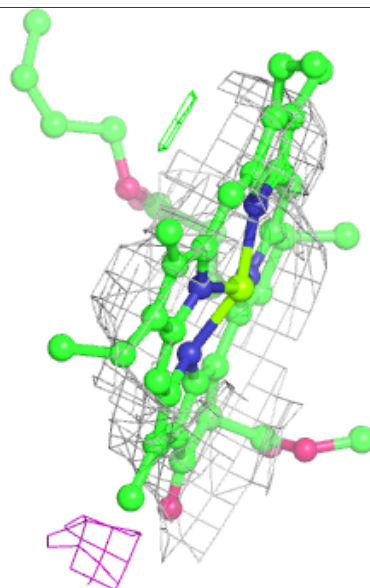
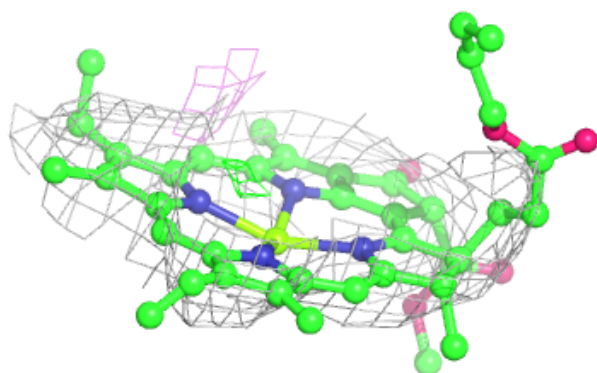
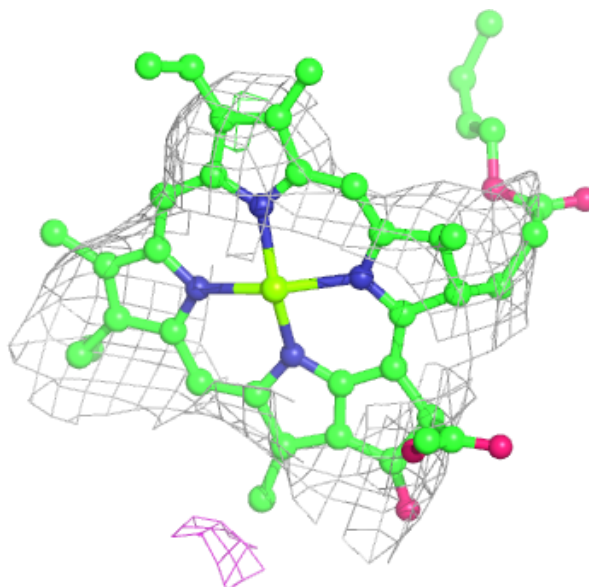
**Electron density around CLA B5 1837:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



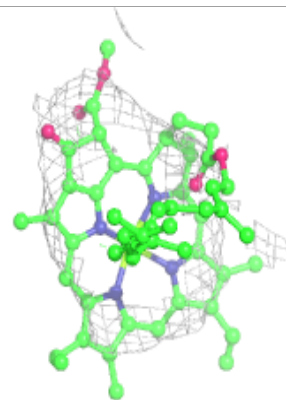
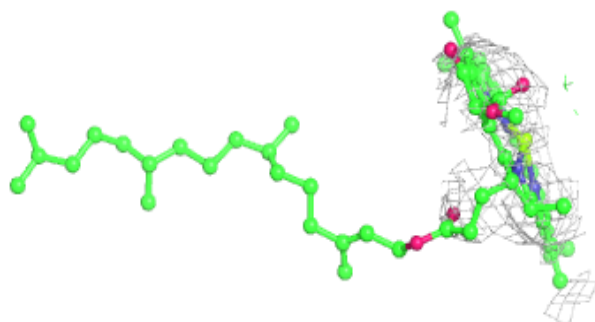
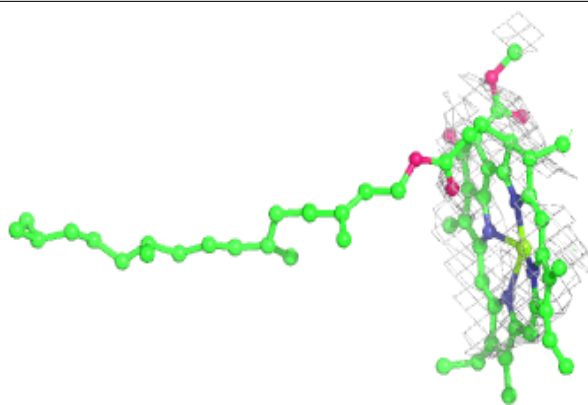
**Electron density around CLA A3 822:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

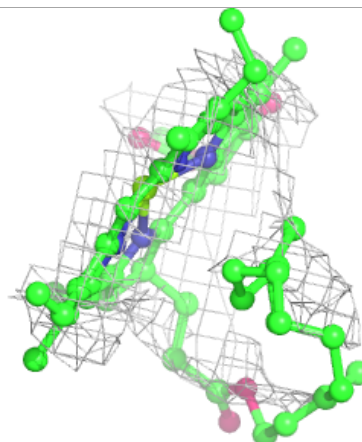
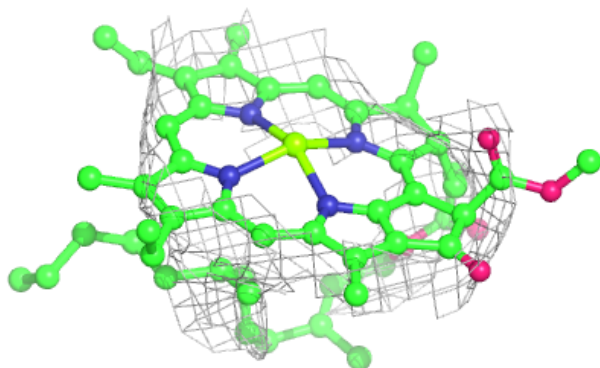
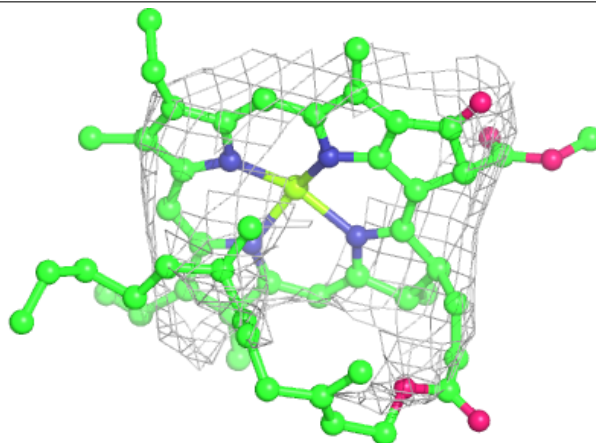


**Electron density around CLA B1 829:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

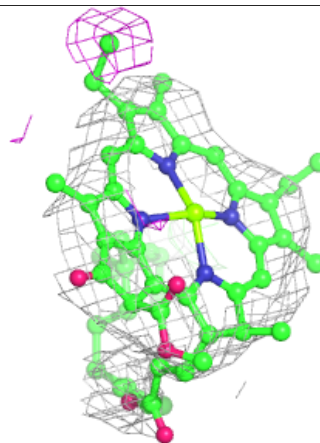
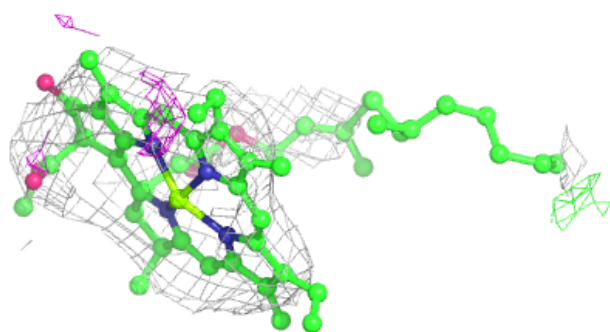
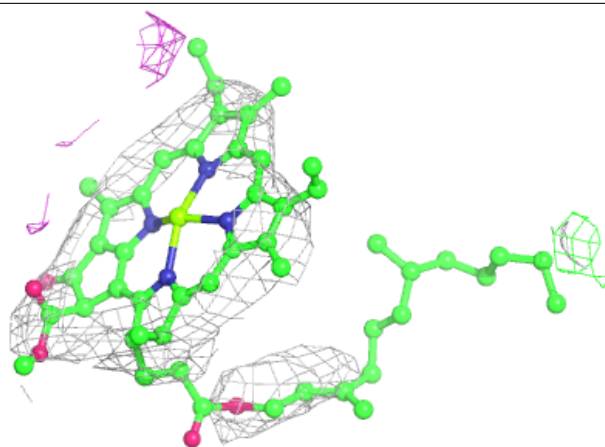
**Electron density around CLA B6 817:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

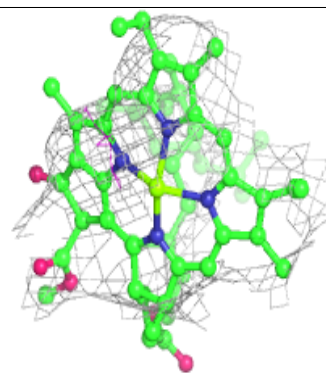
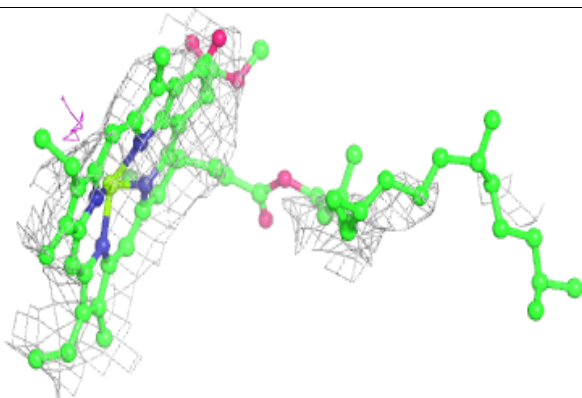
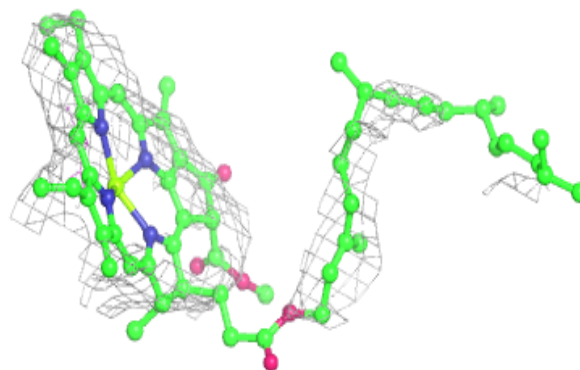


**Electron density around CLA A3 824:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

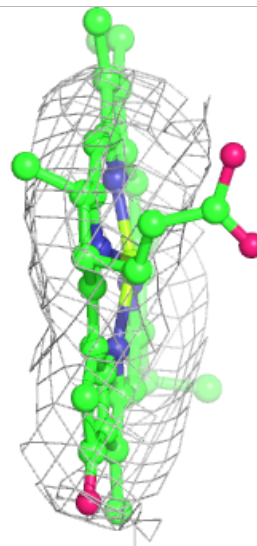
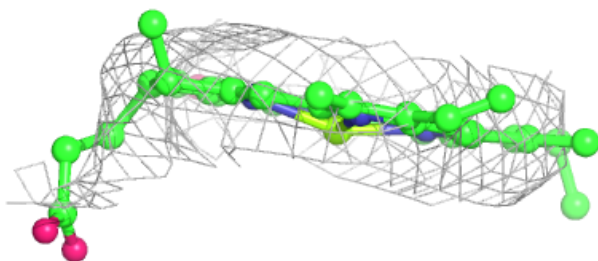
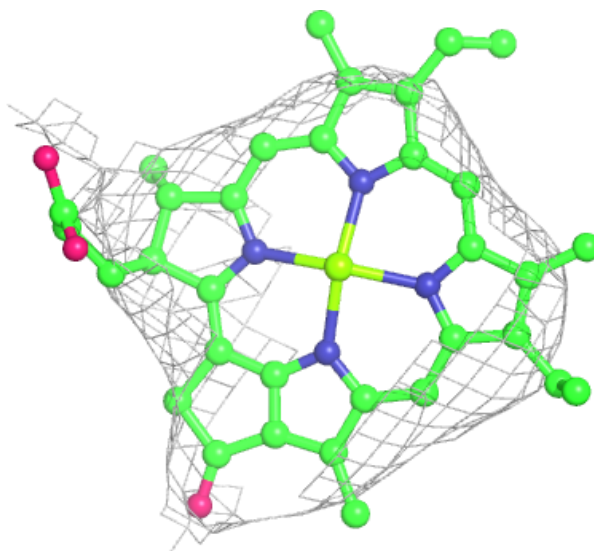
**Electron density around CLA B2 801:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



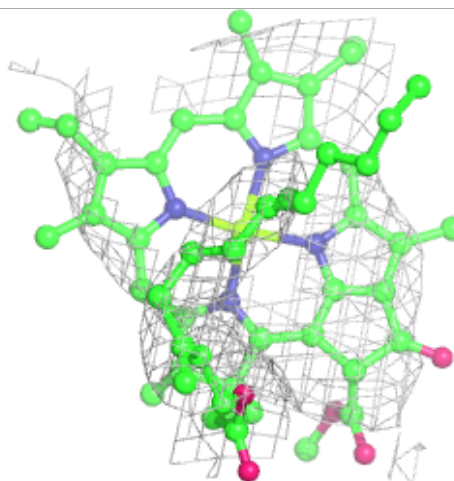
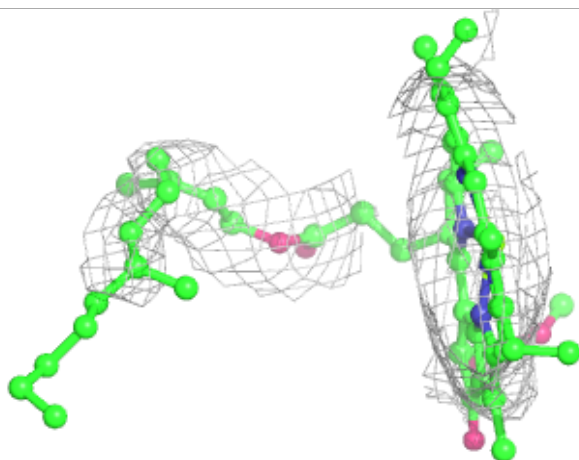
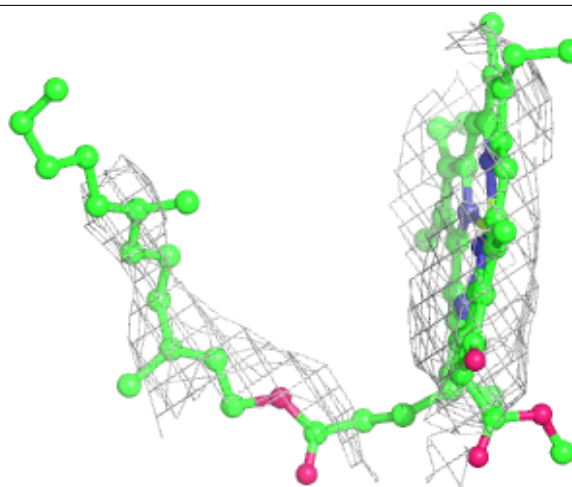
**Electron density around CLA A3 844:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A3 804:**

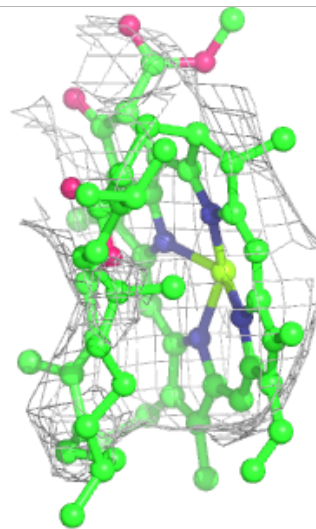
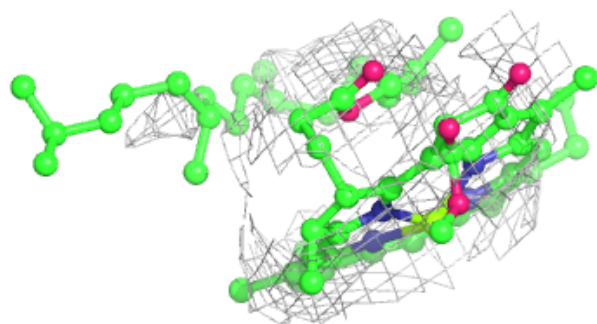
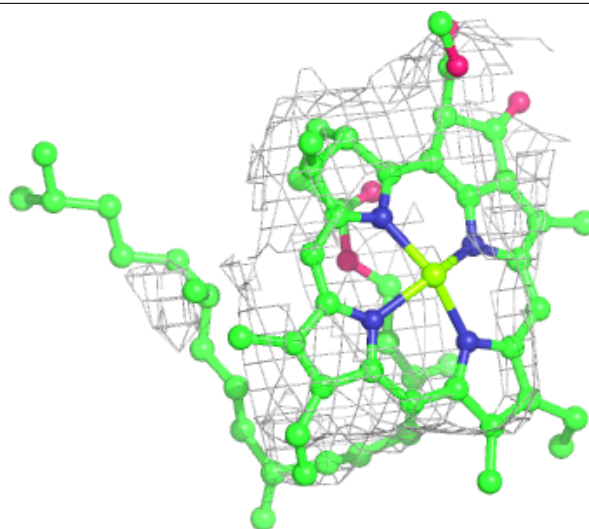
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





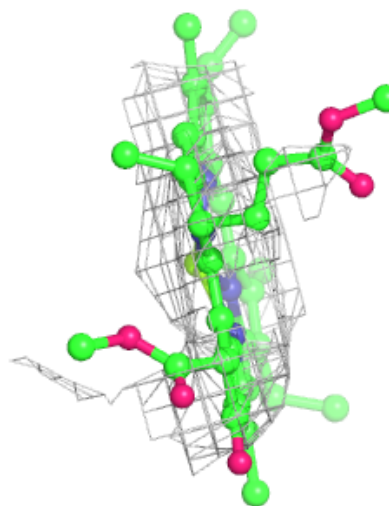
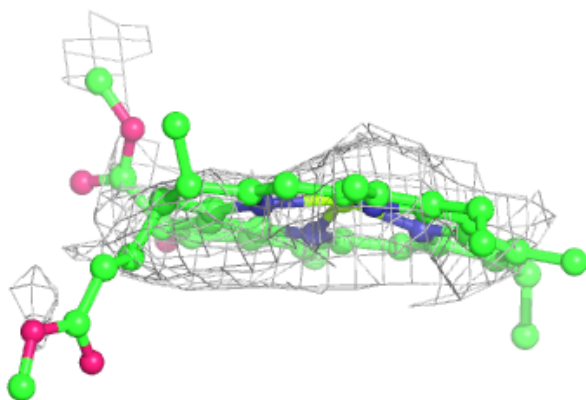
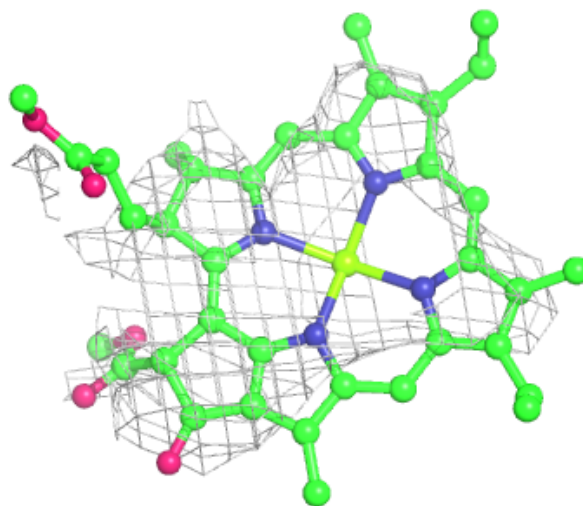
**Electron density around CLA B4 810:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



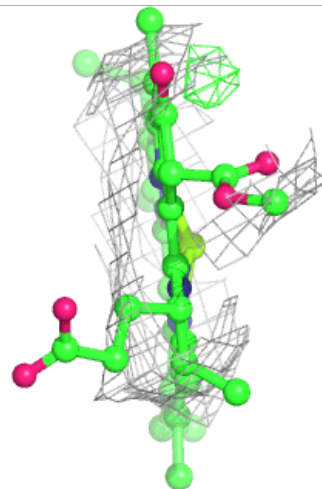
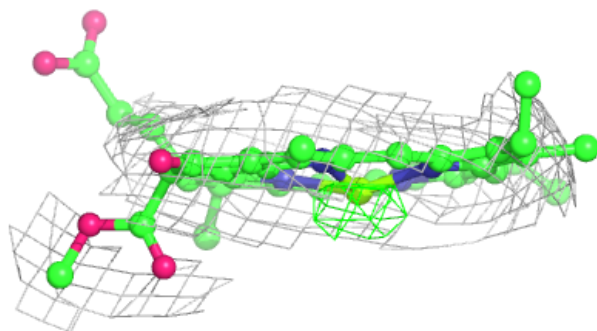
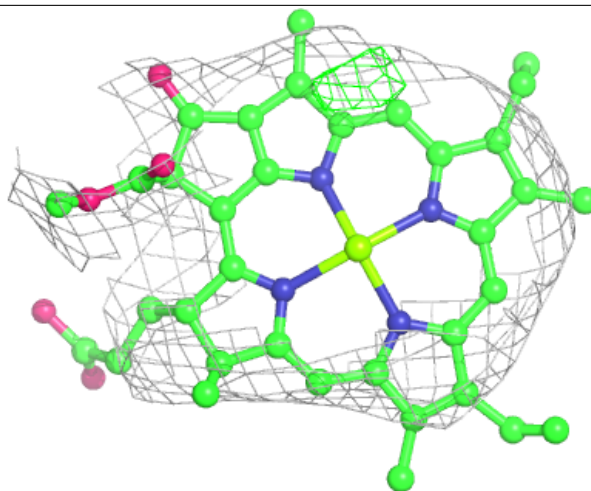
**Electron density around CLA B6 825:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



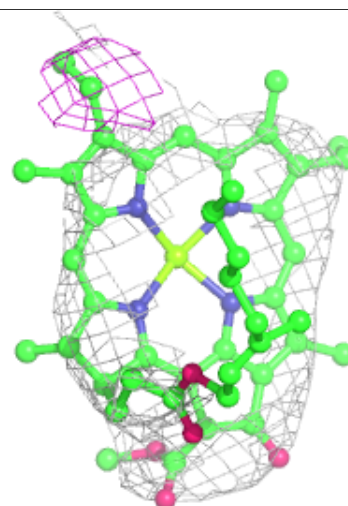
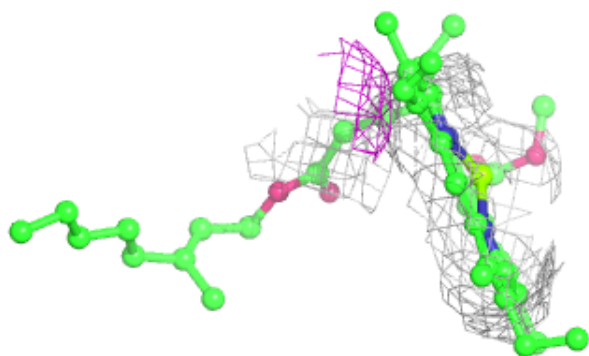
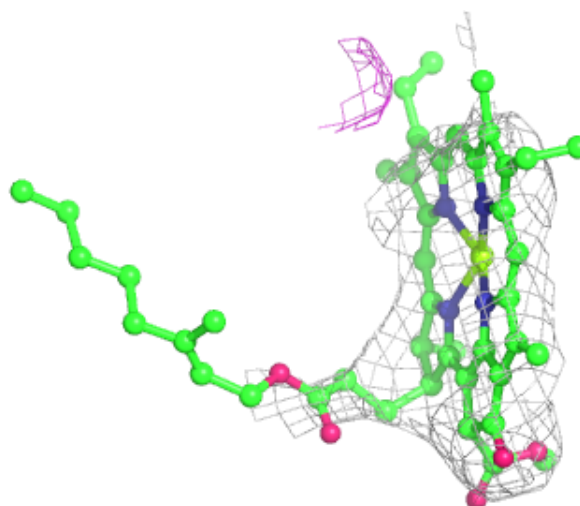
**Electron density around CLA B5 1825:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



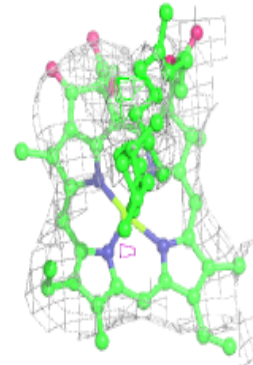
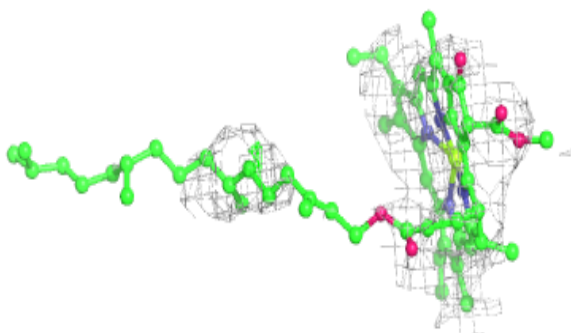
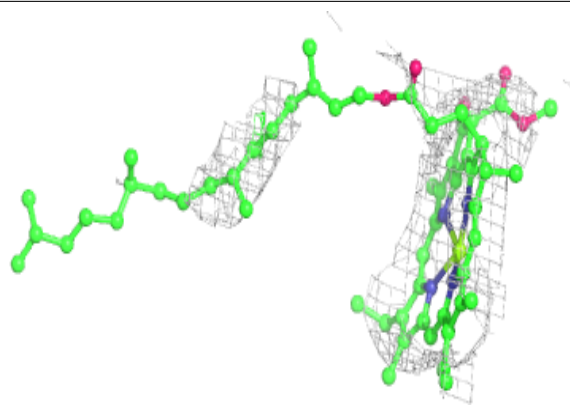
**Electron density around CLA B3 1806:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

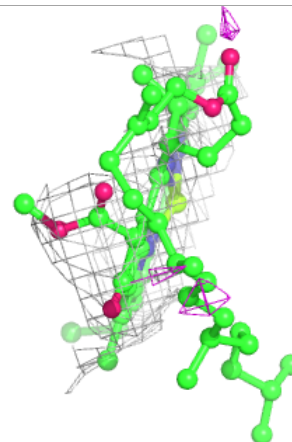
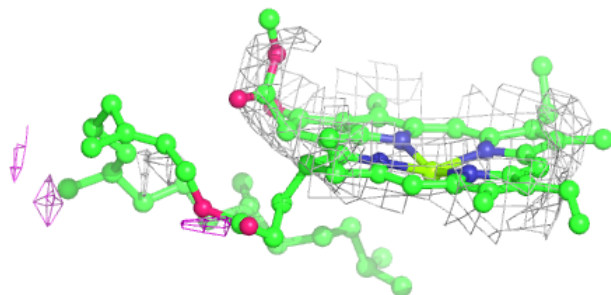
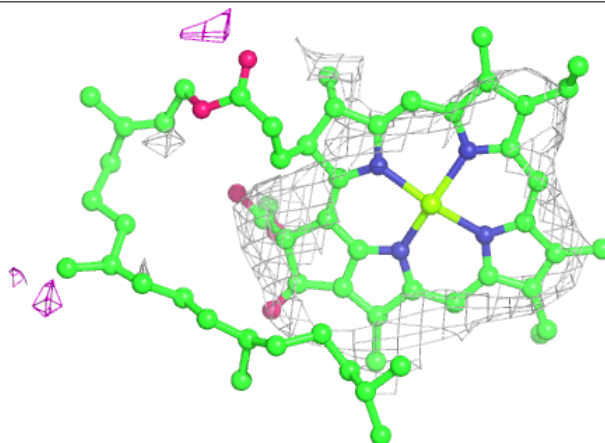


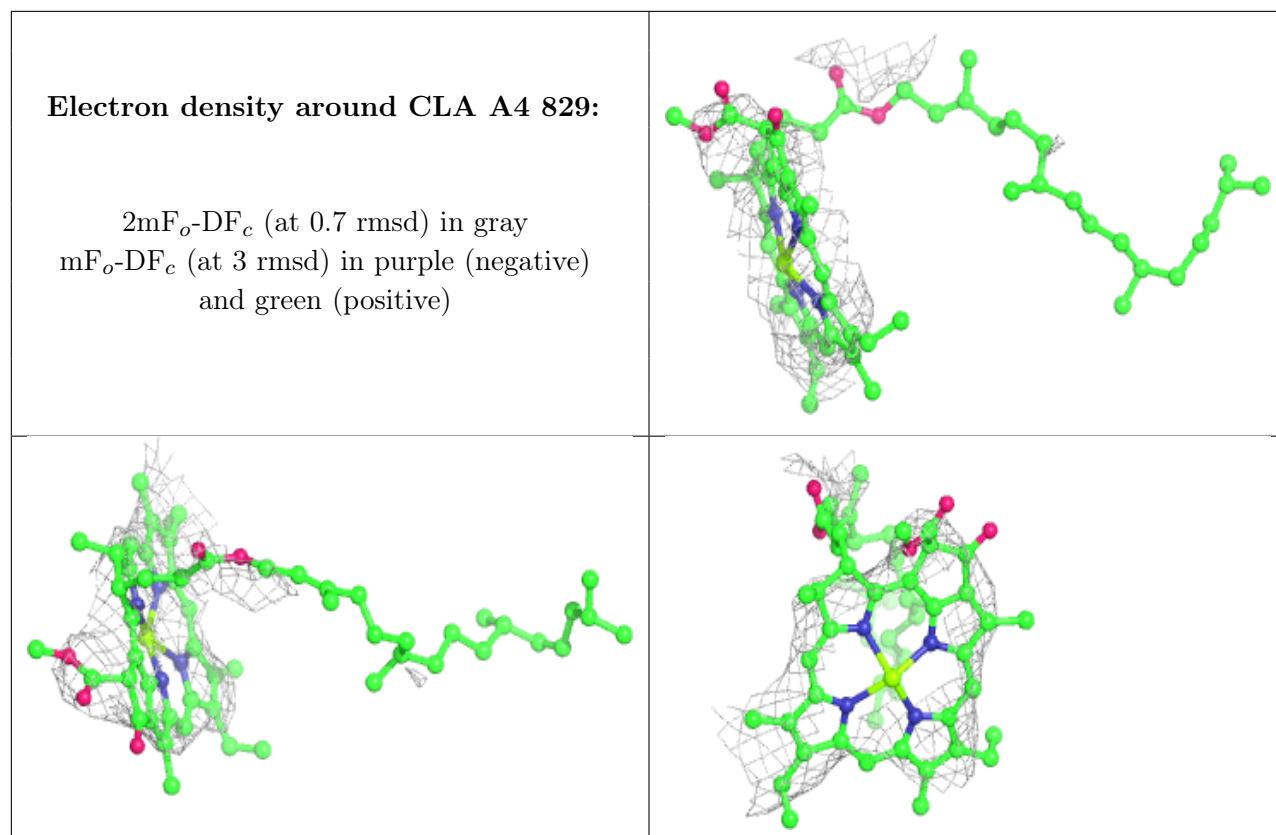
**Electron density around CLA B6 829:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B3 1807:**

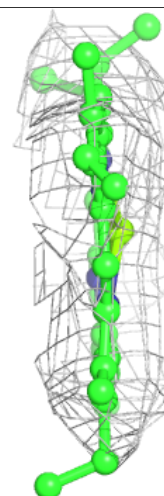
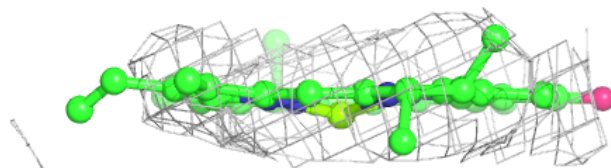
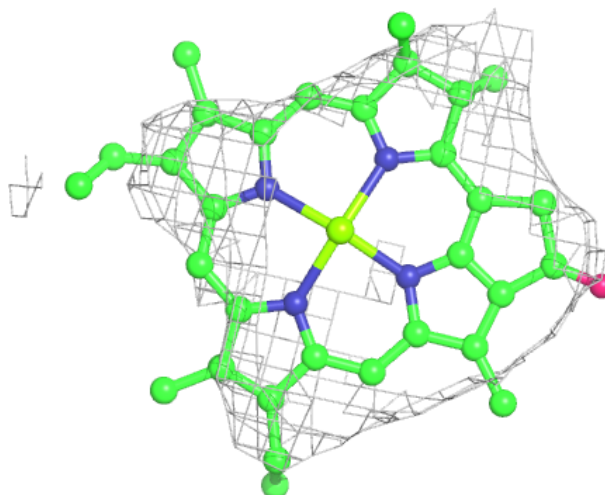
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





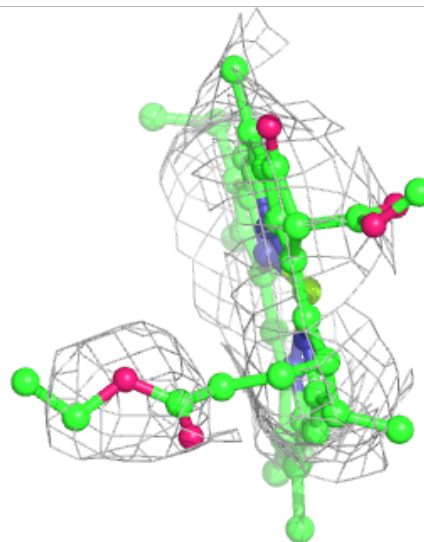
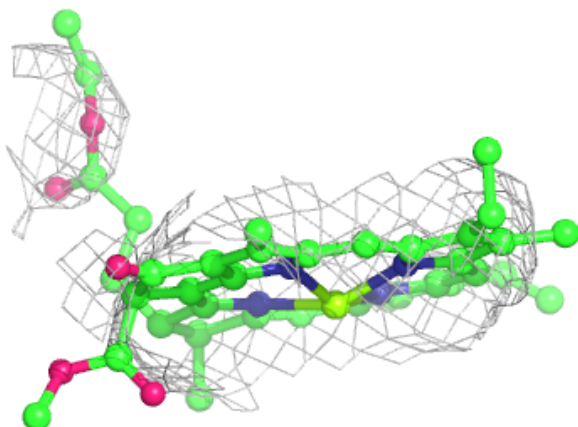
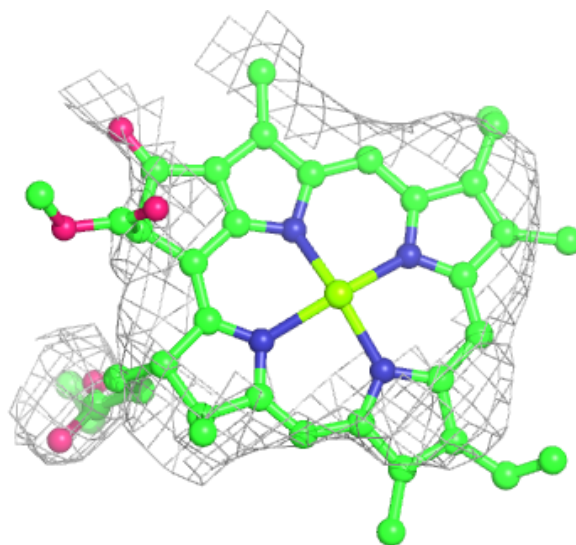
**Electron density around CLA J4 102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B6 839:**

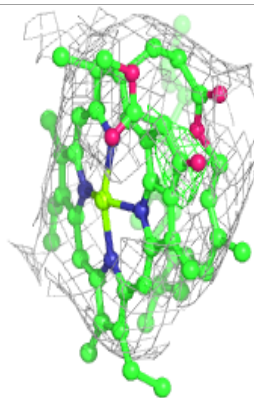
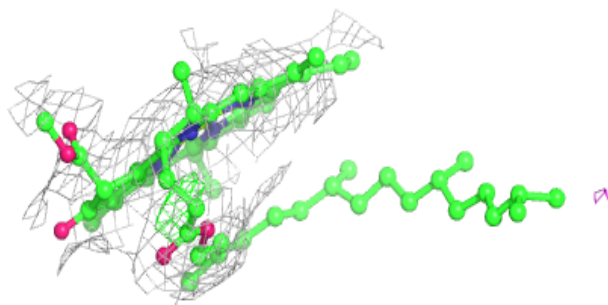
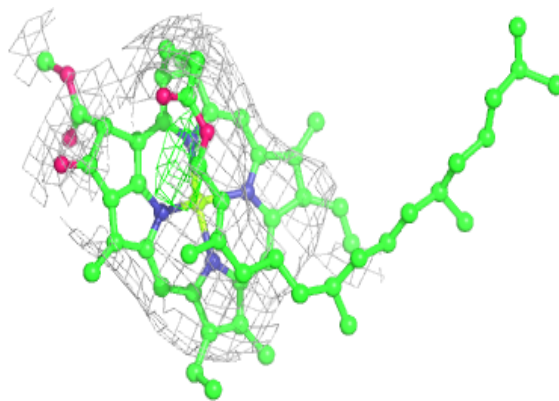
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



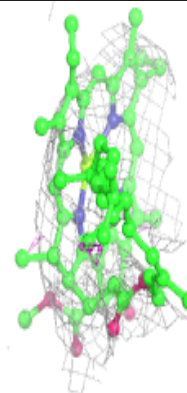
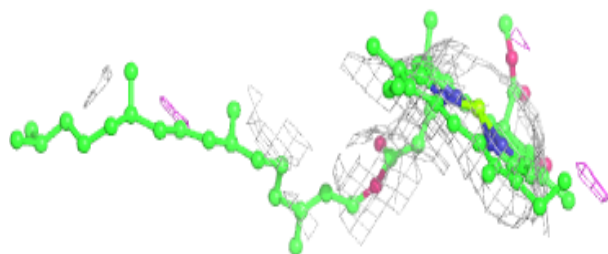
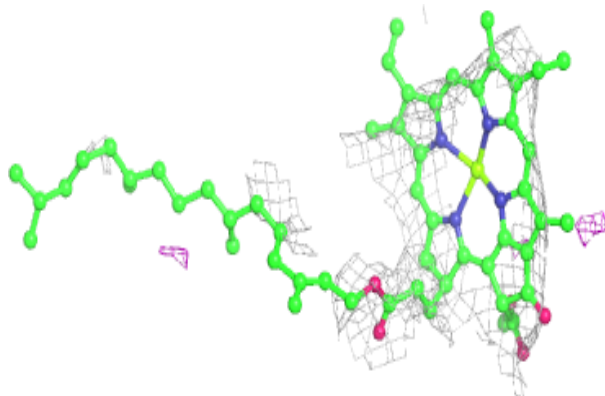


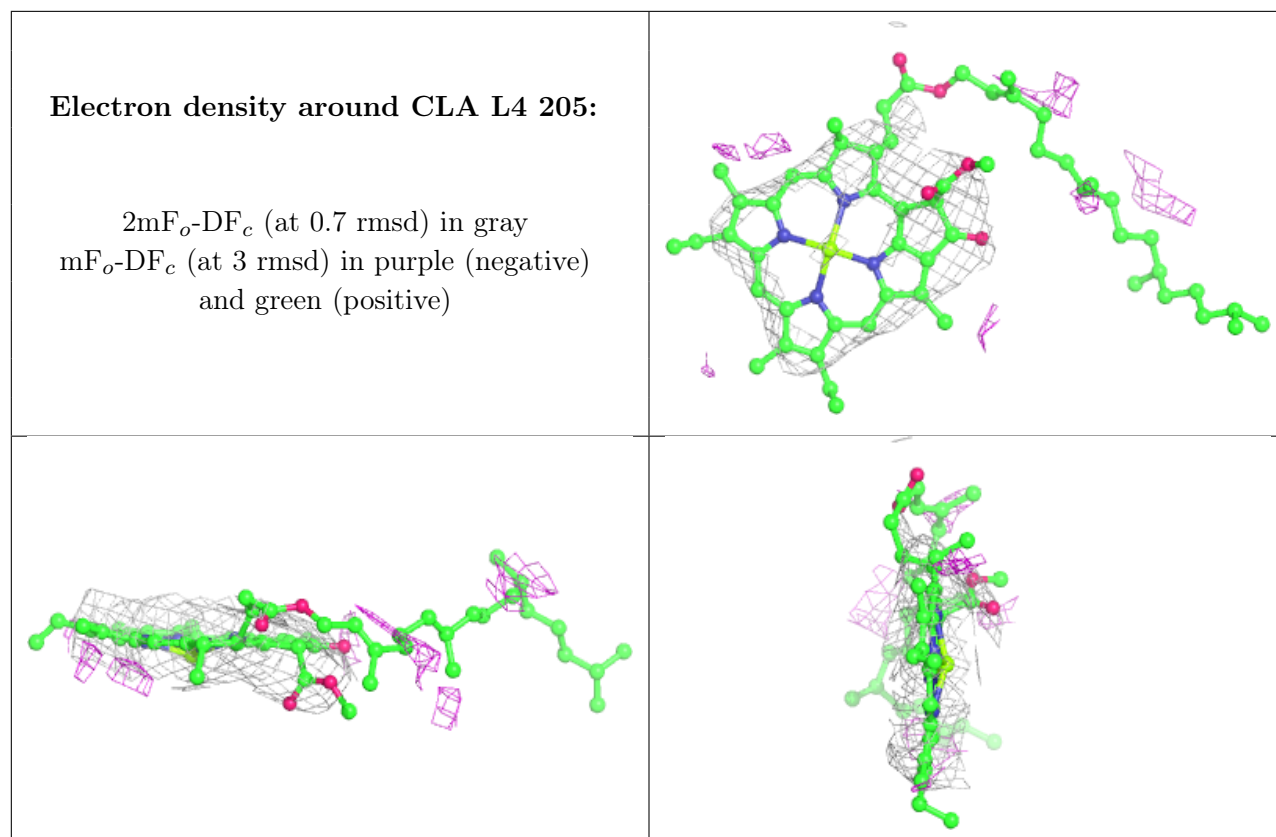
**Electron density around CLA B3 1809:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA L4 201:**

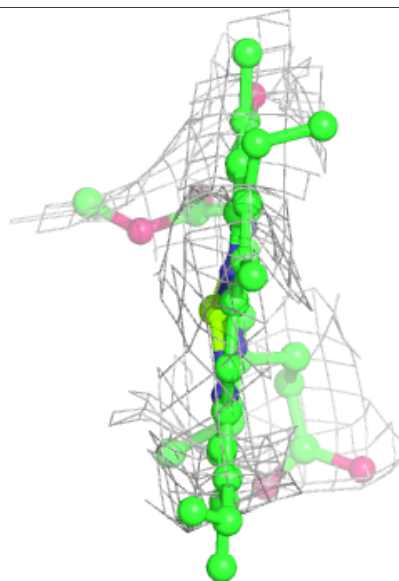
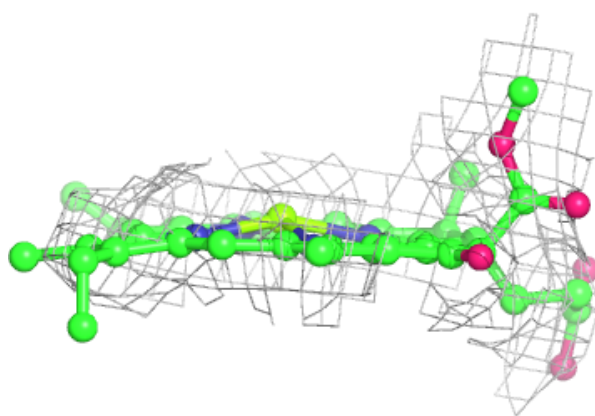
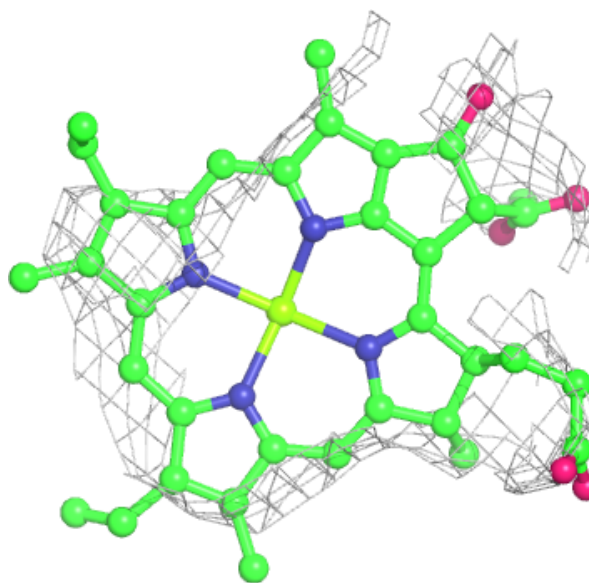
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





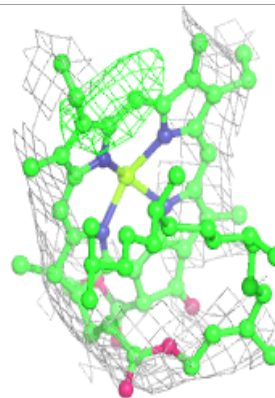
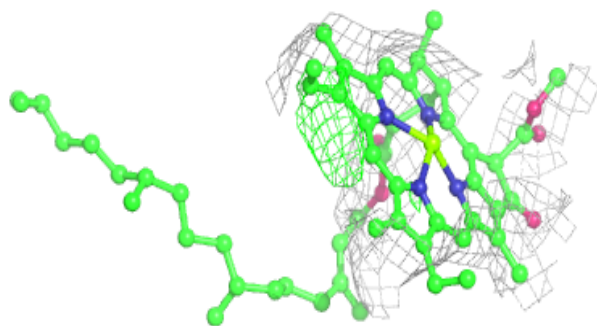
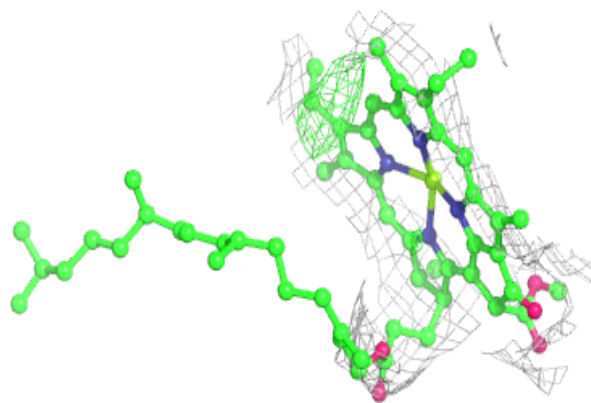
**Electron density around CLA X4 102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

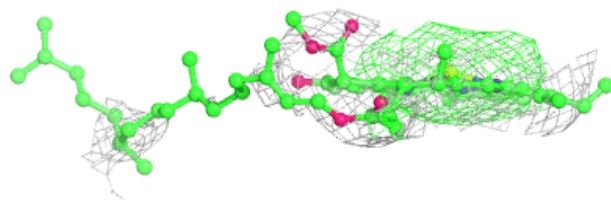
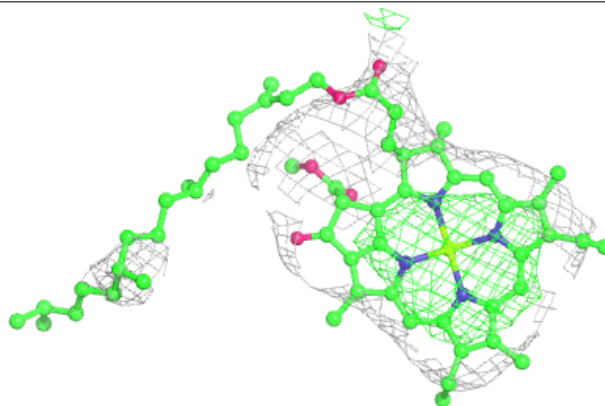


**Electron density around CLA B4 816:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

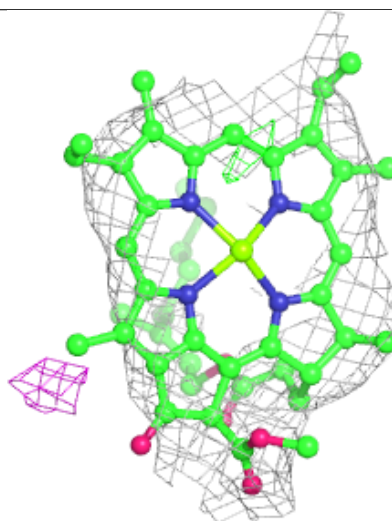
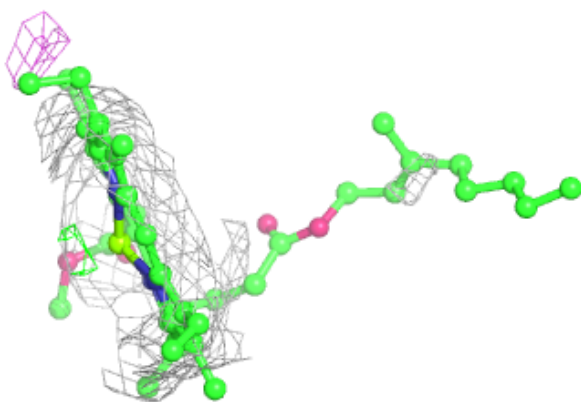
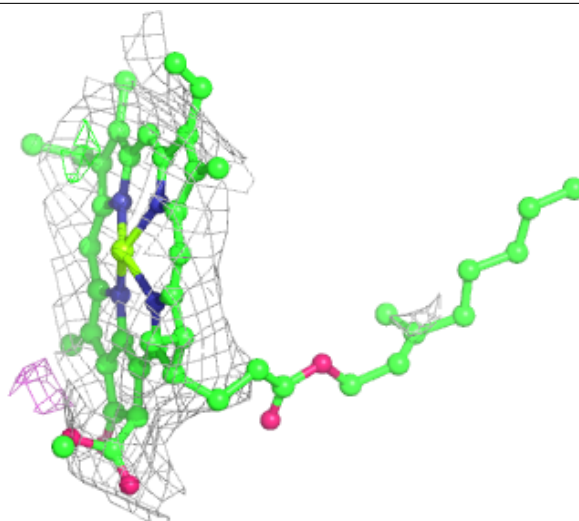
**Electron density around CLA L6 208:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



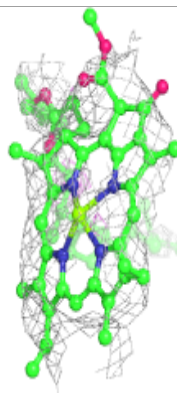
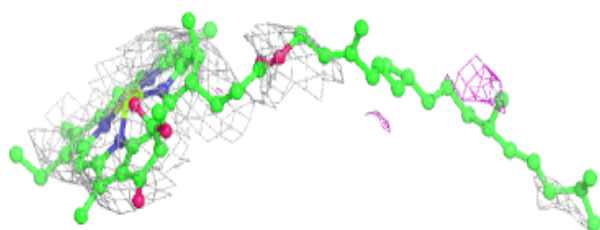
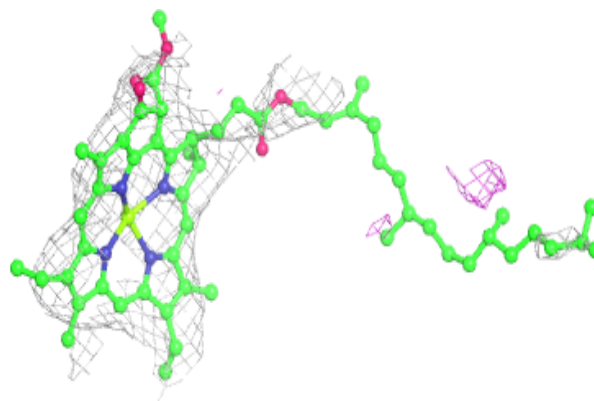
**Electron density around CLA M6 1201:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

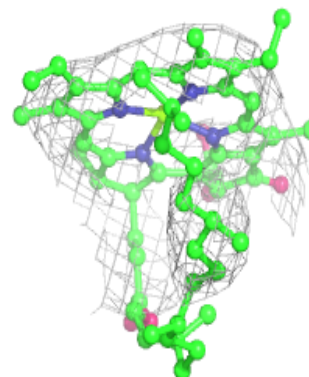
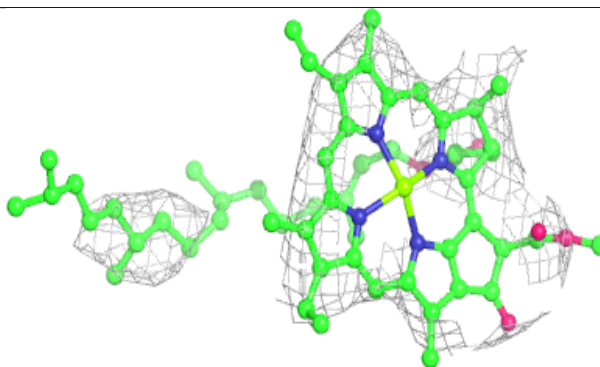
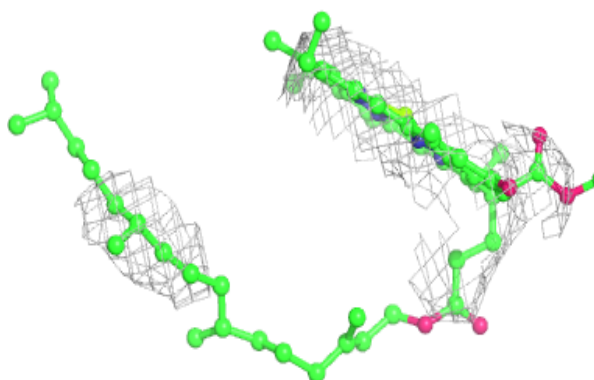


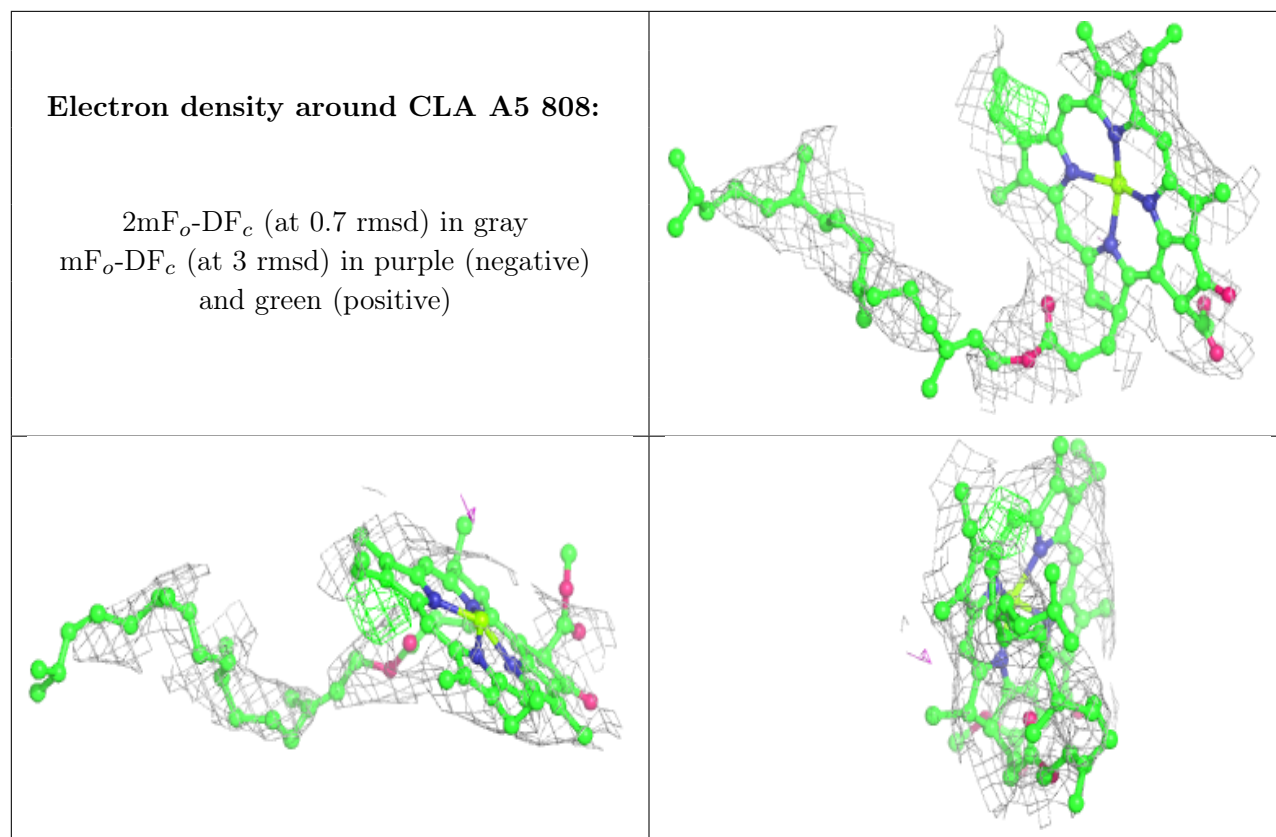
**Electron density around CLA A5 802:**

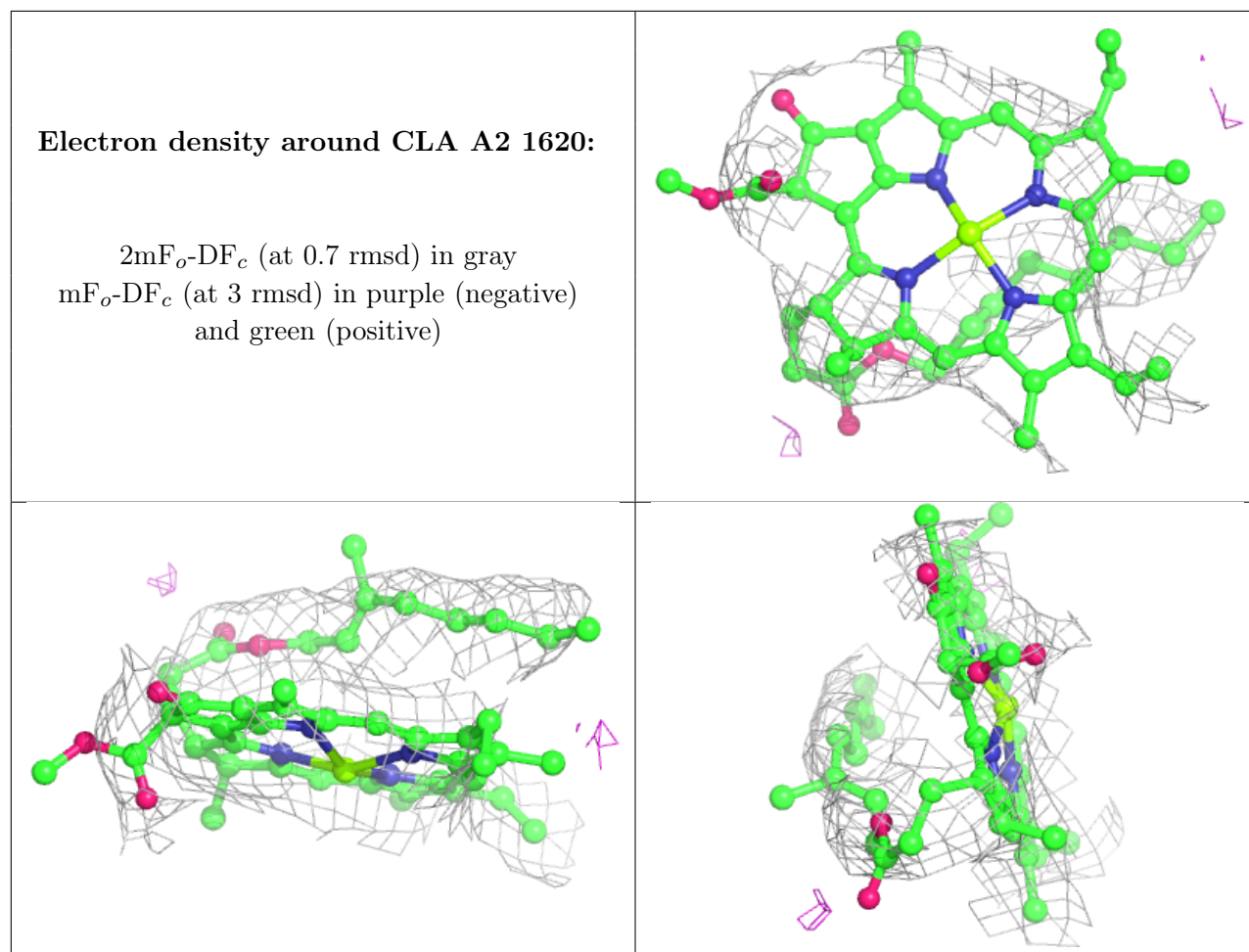
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A4 831:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



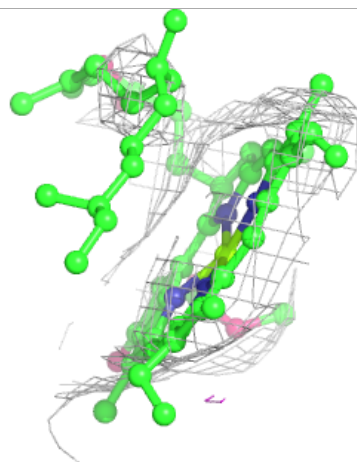
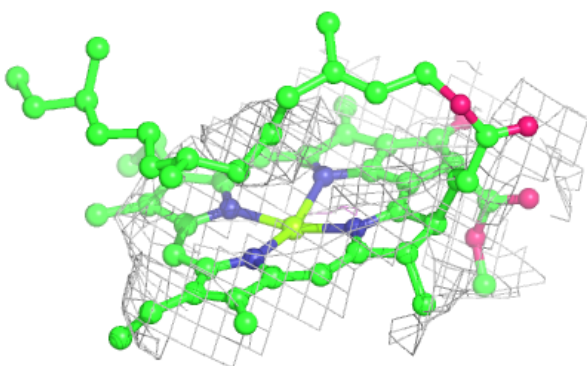
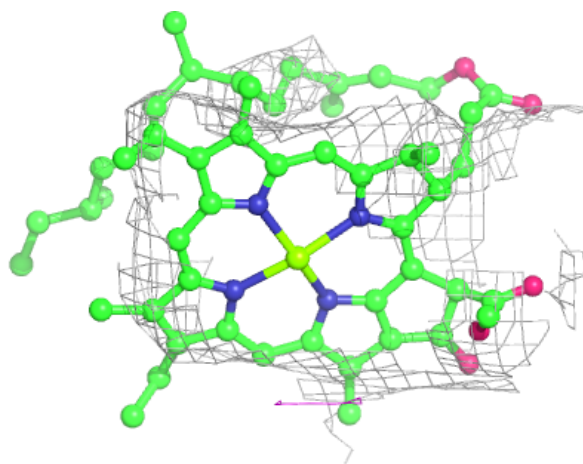






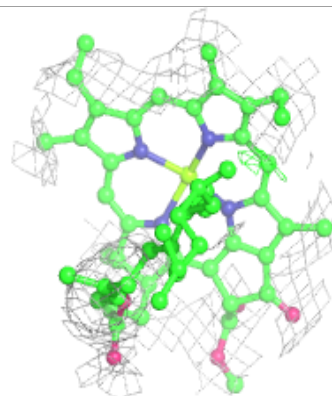
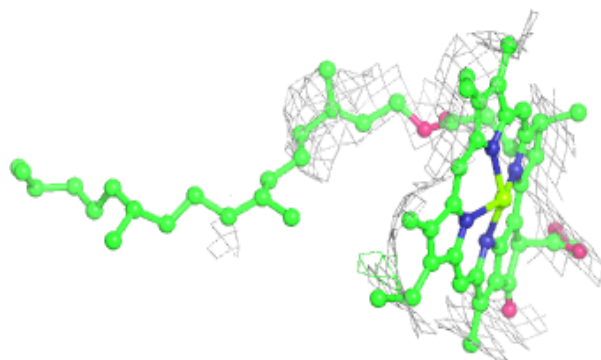
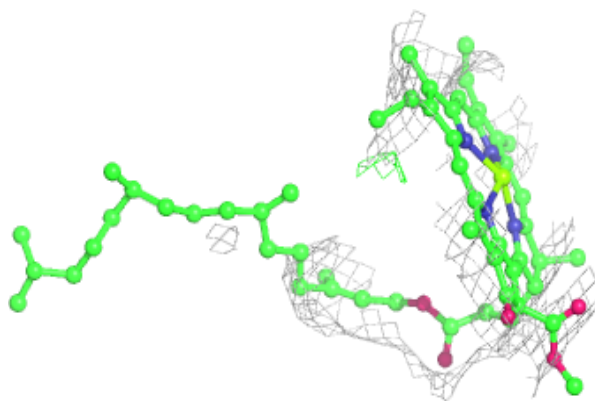
**Electron density around CLA A2 1622:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

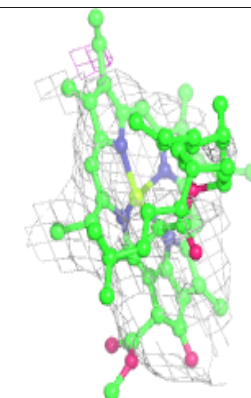
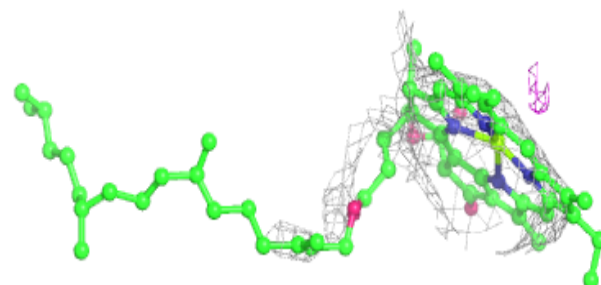
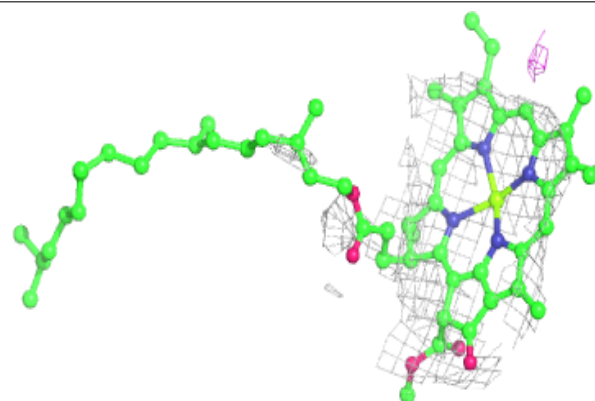


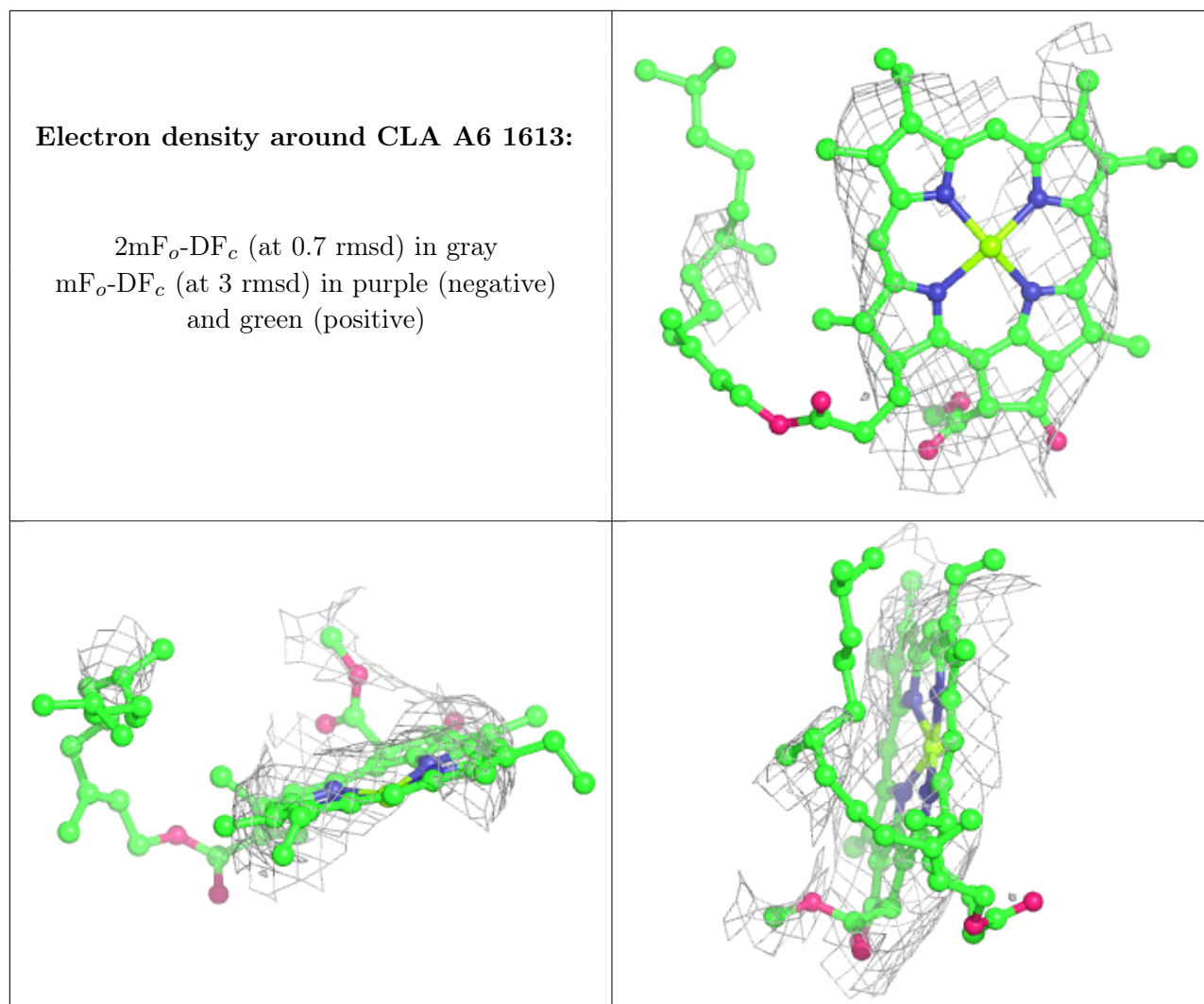
**Electron density around CLA A4 810:**

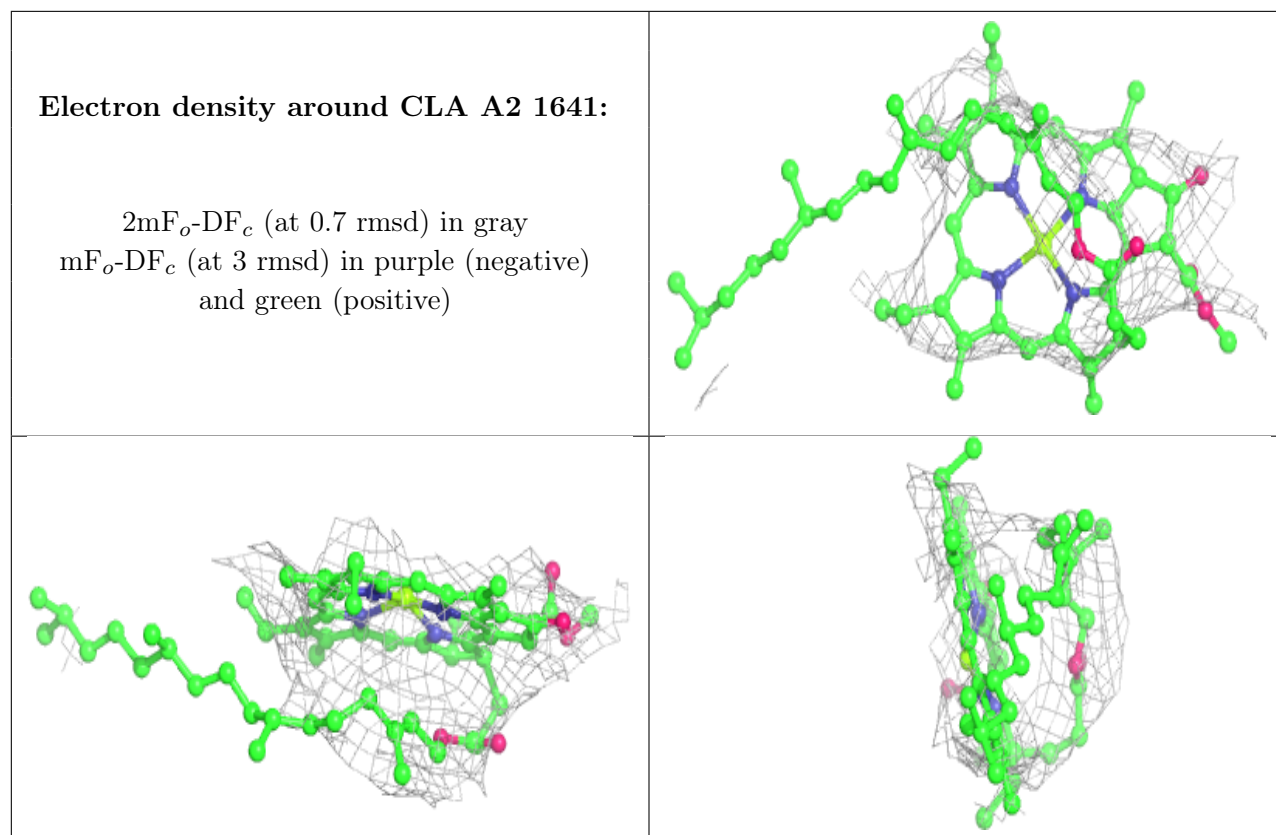
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A2 1623:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

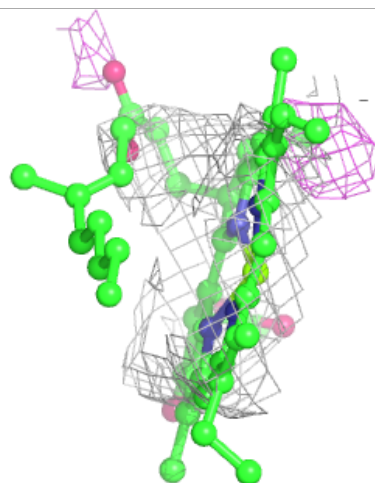
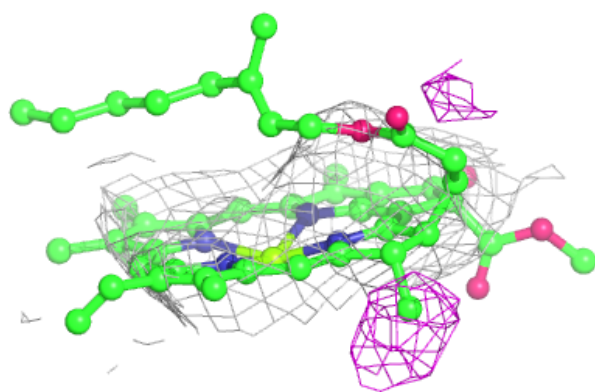
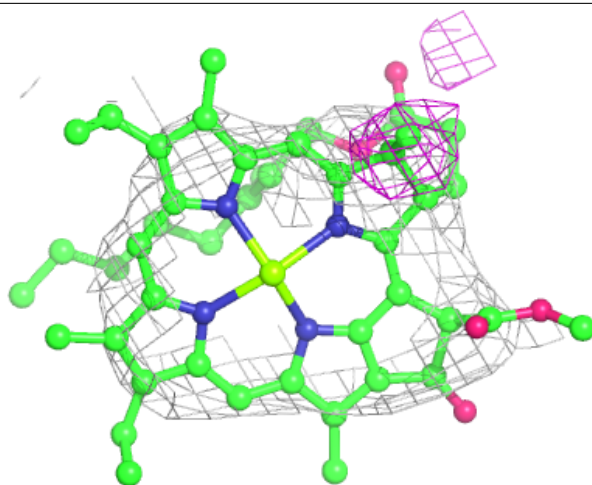






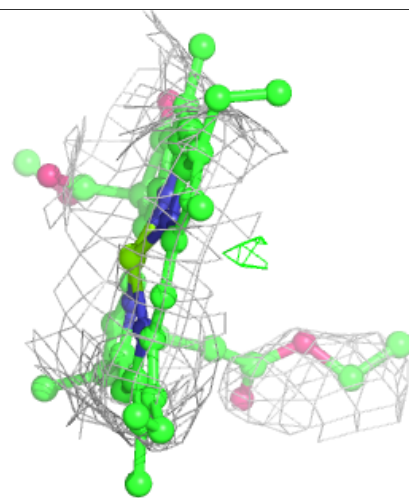
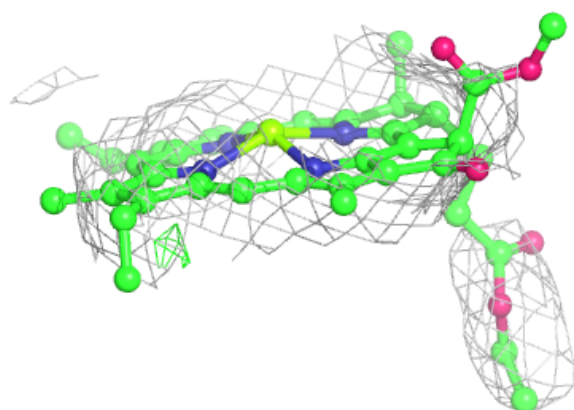
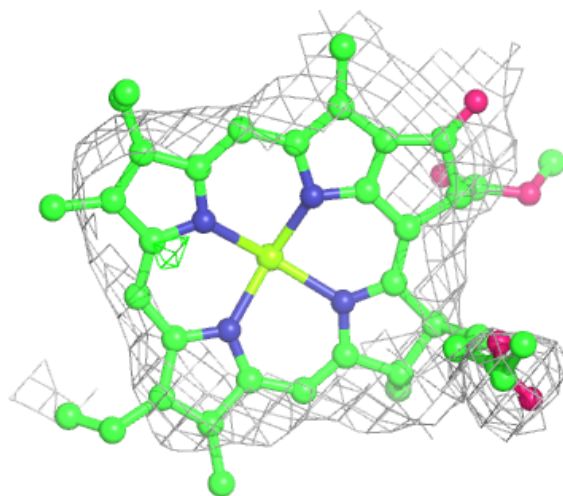
**Electron density around CLA A6 1618:**

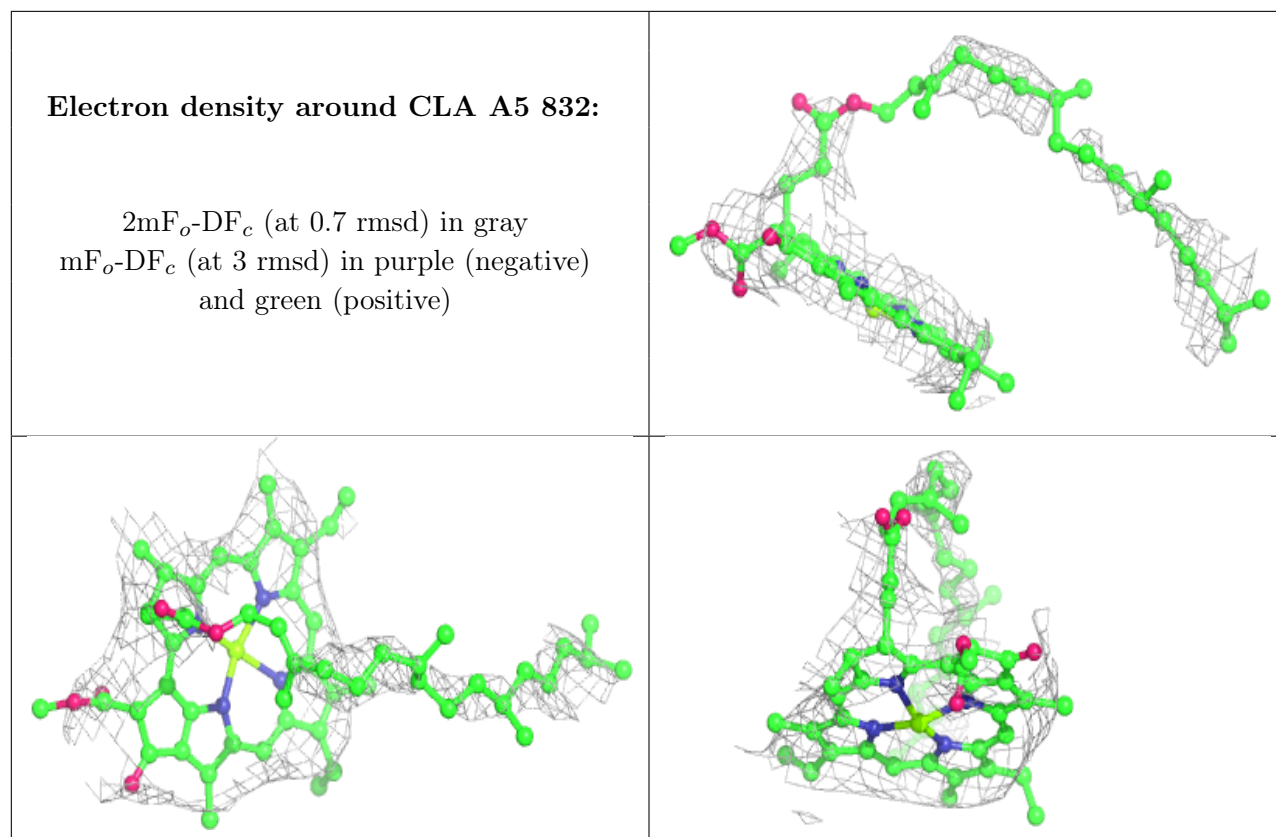
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA B3 1841:**

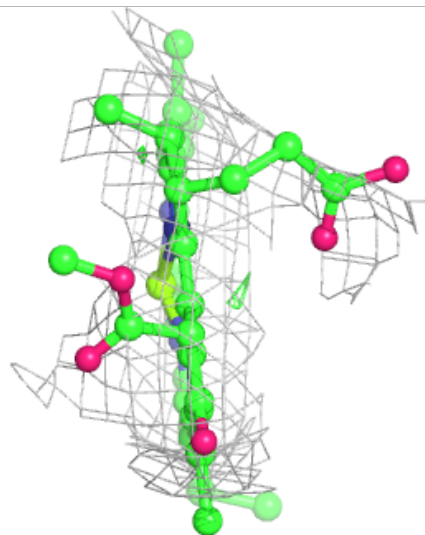
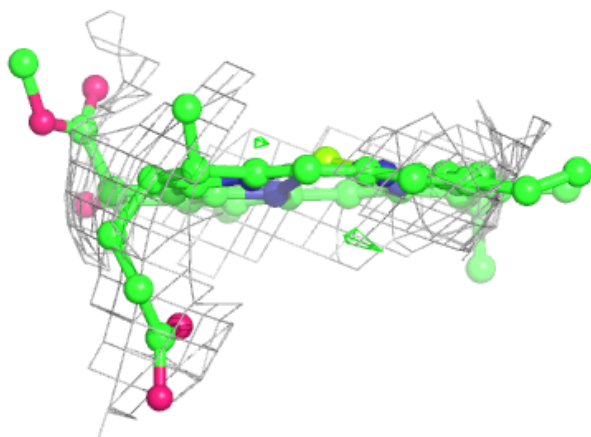
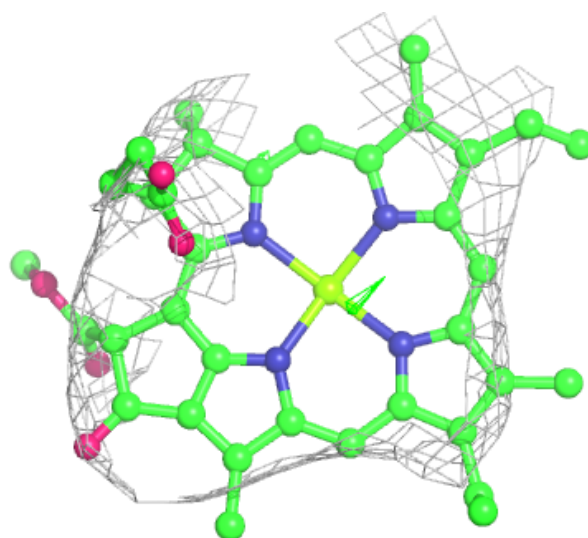
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





**Electron density around CLA A5 835:**

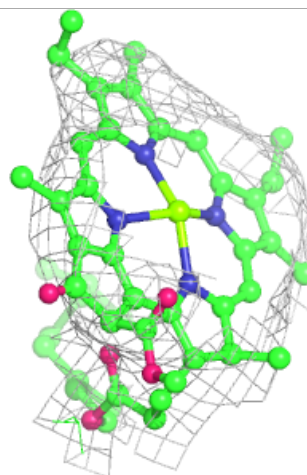
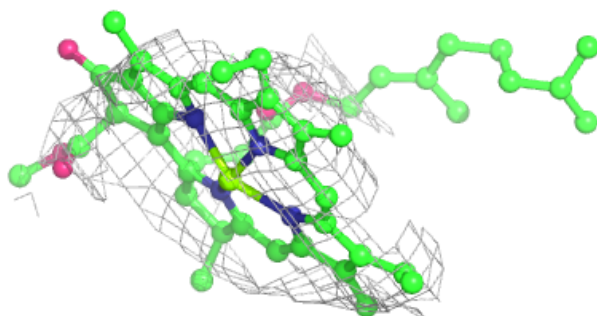
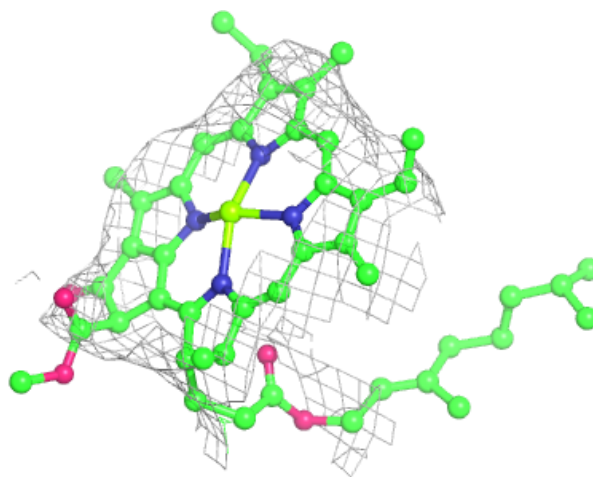
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





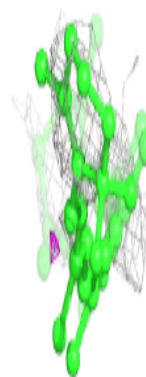
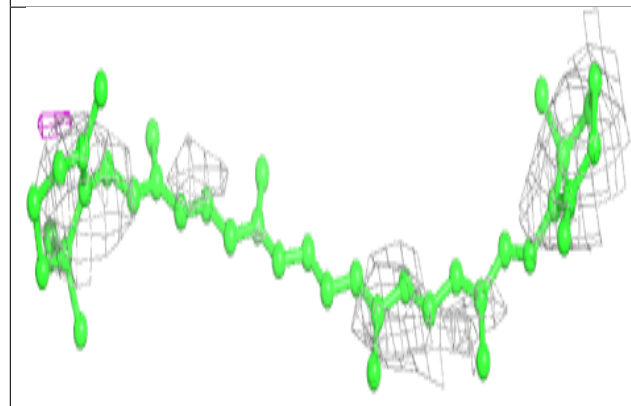
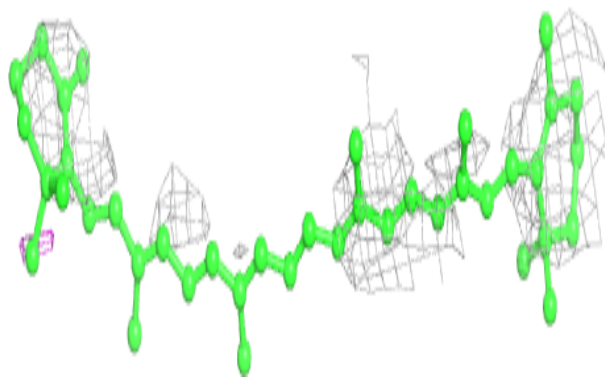
**Electron density around CLA B3 1818:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

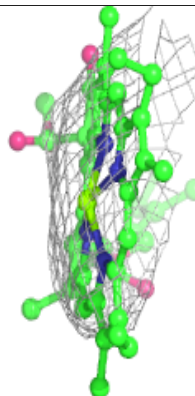
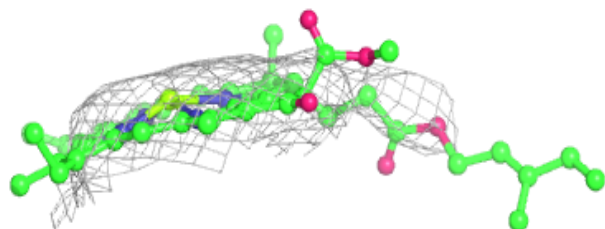
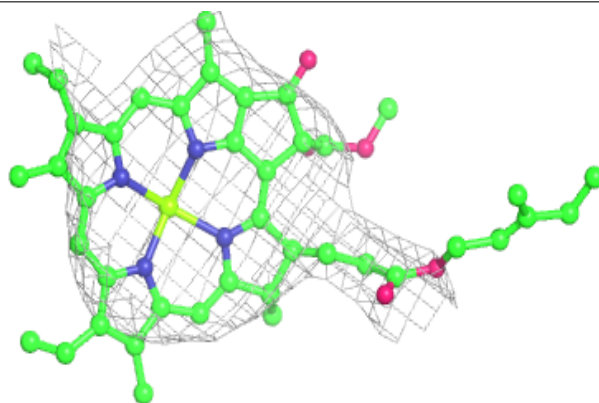


**Electron density around BCR M2 1202:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

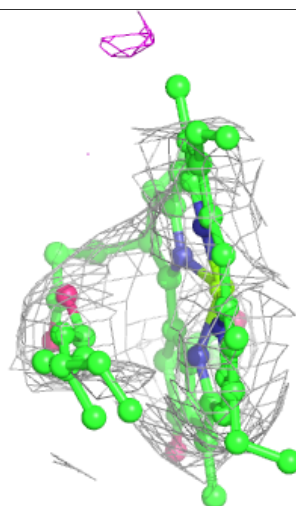
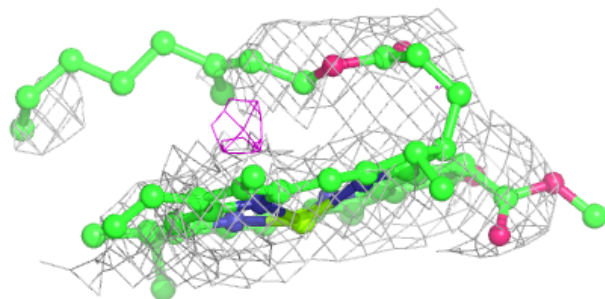
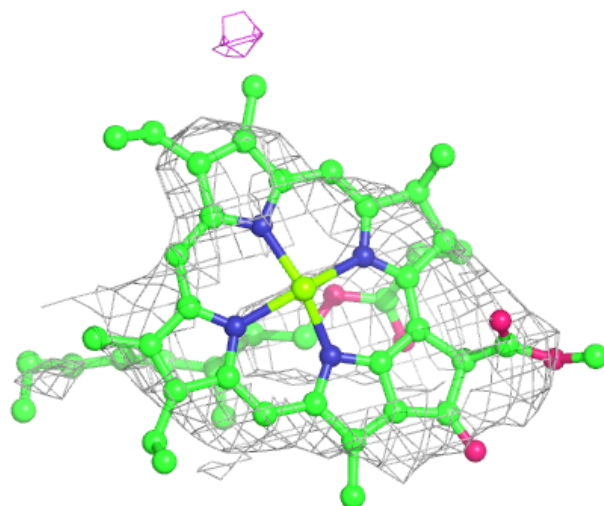
**Electron density around CLA A5 840:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



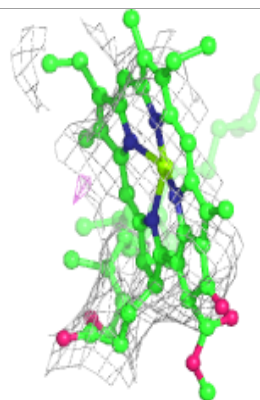
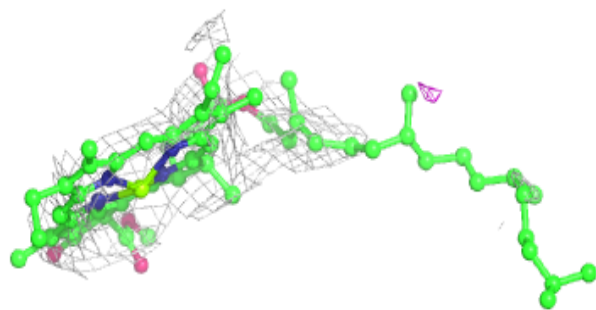
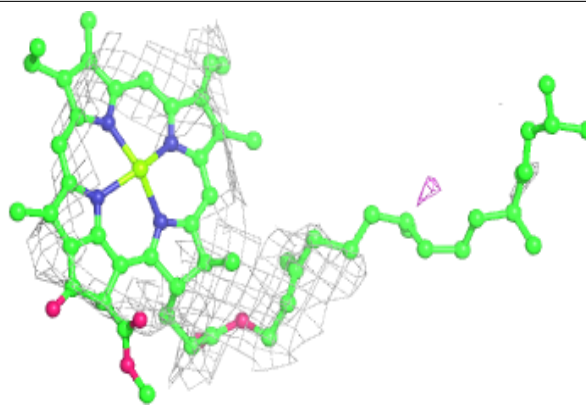
**Electron density around CLA A3 817:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

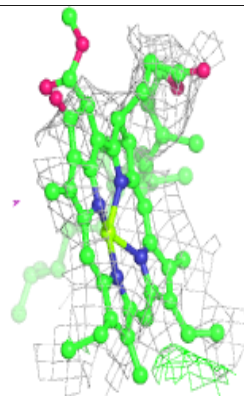
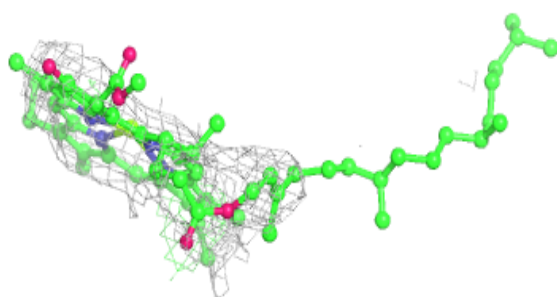
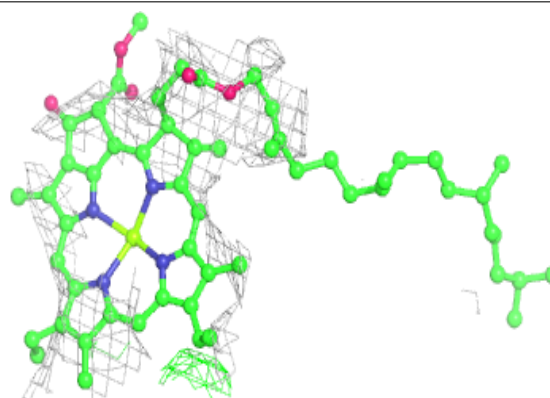


**Electron density around CLA B4 802:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

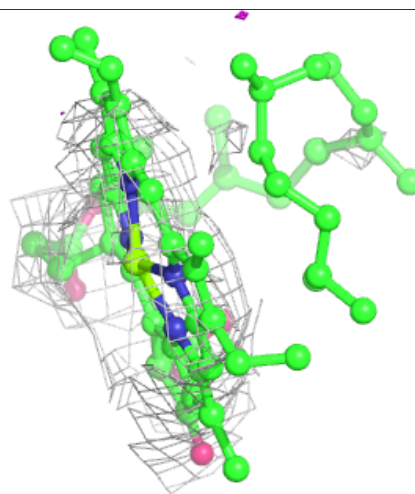
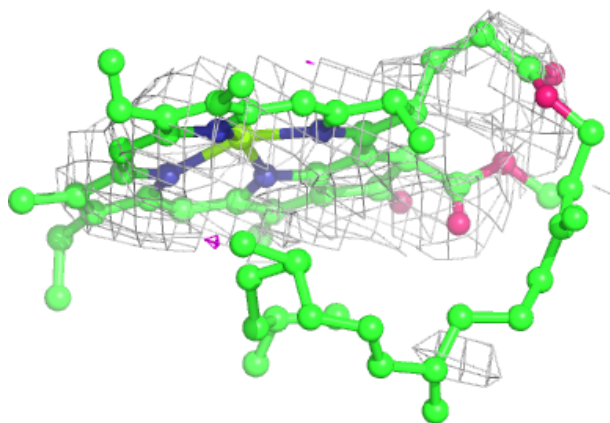
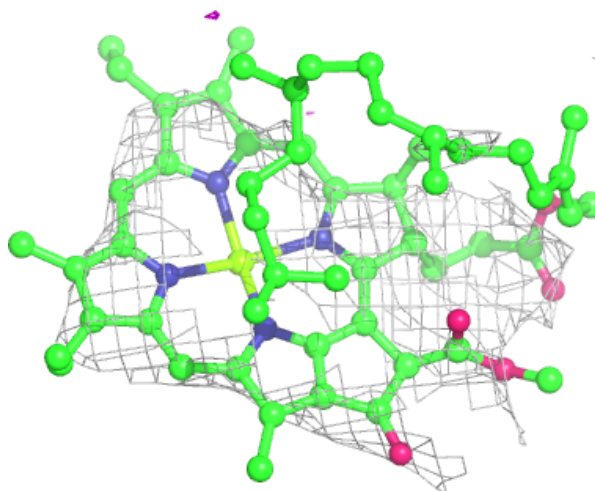
**Electron density around CLA B5 1802:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



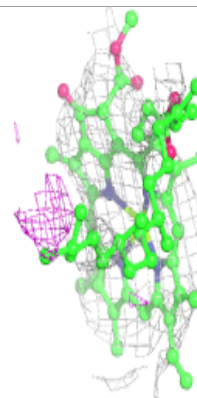
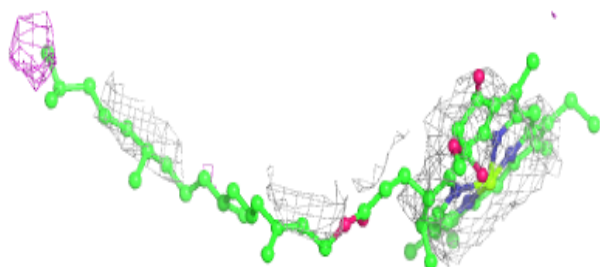
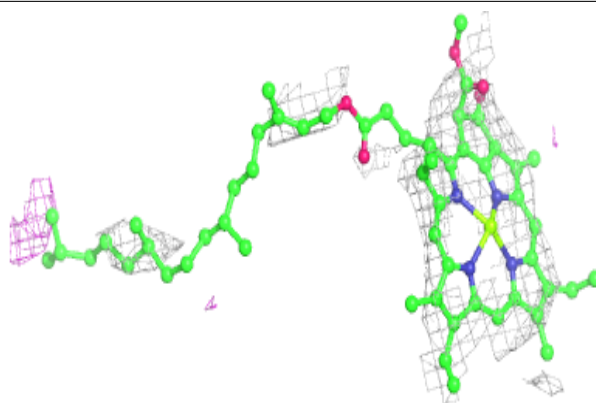
**Electron density around CLA B5 1808:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

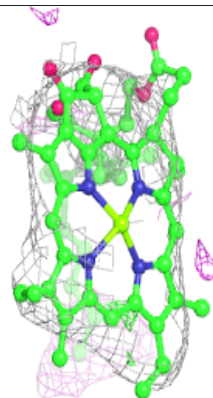
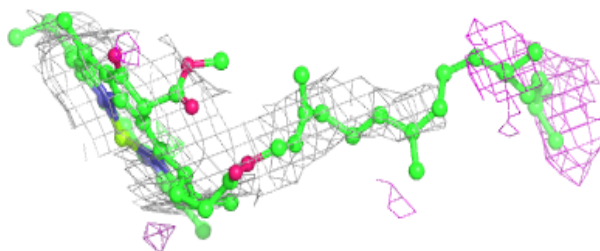
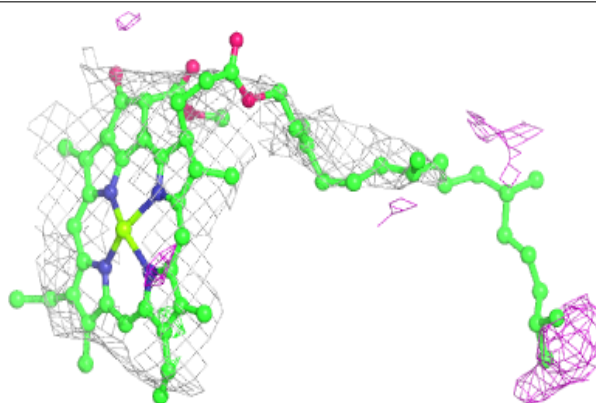


**Electron density around CLA B6 802:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

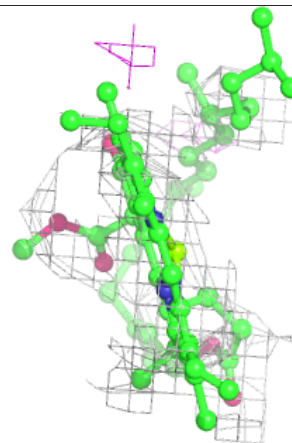
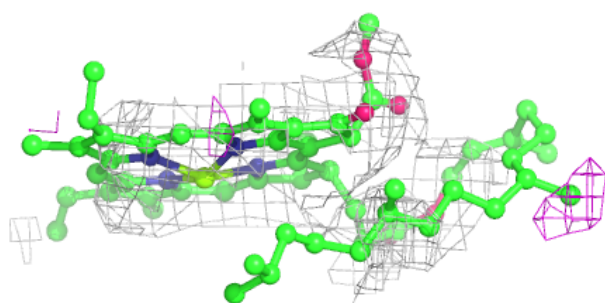
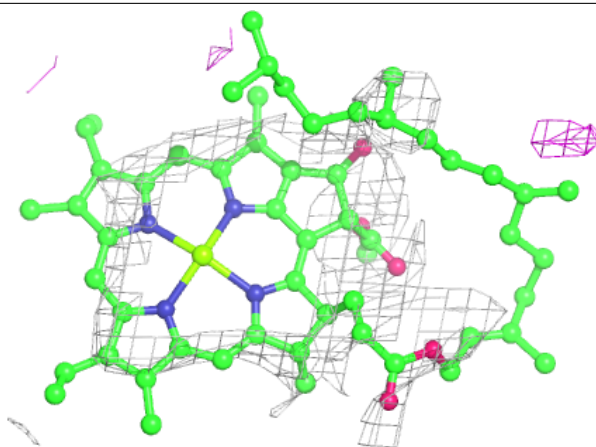
**Electron density around CLA B5 1812:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

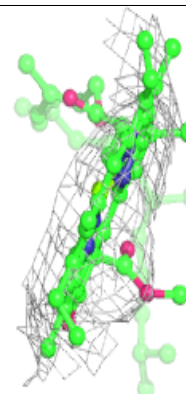
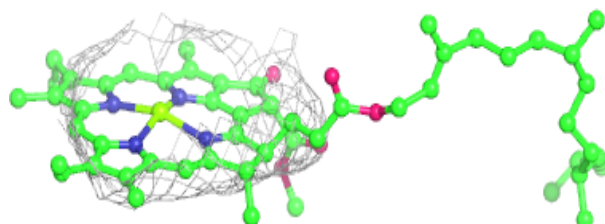
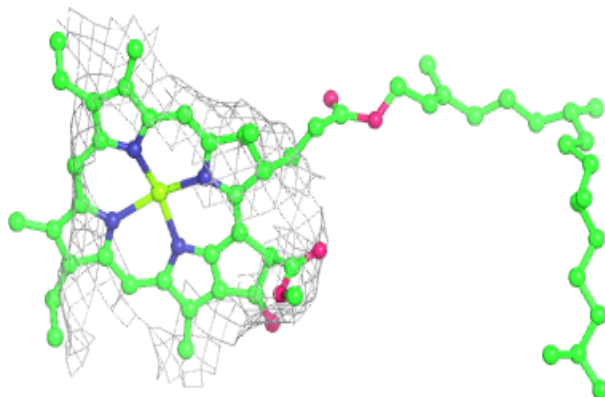


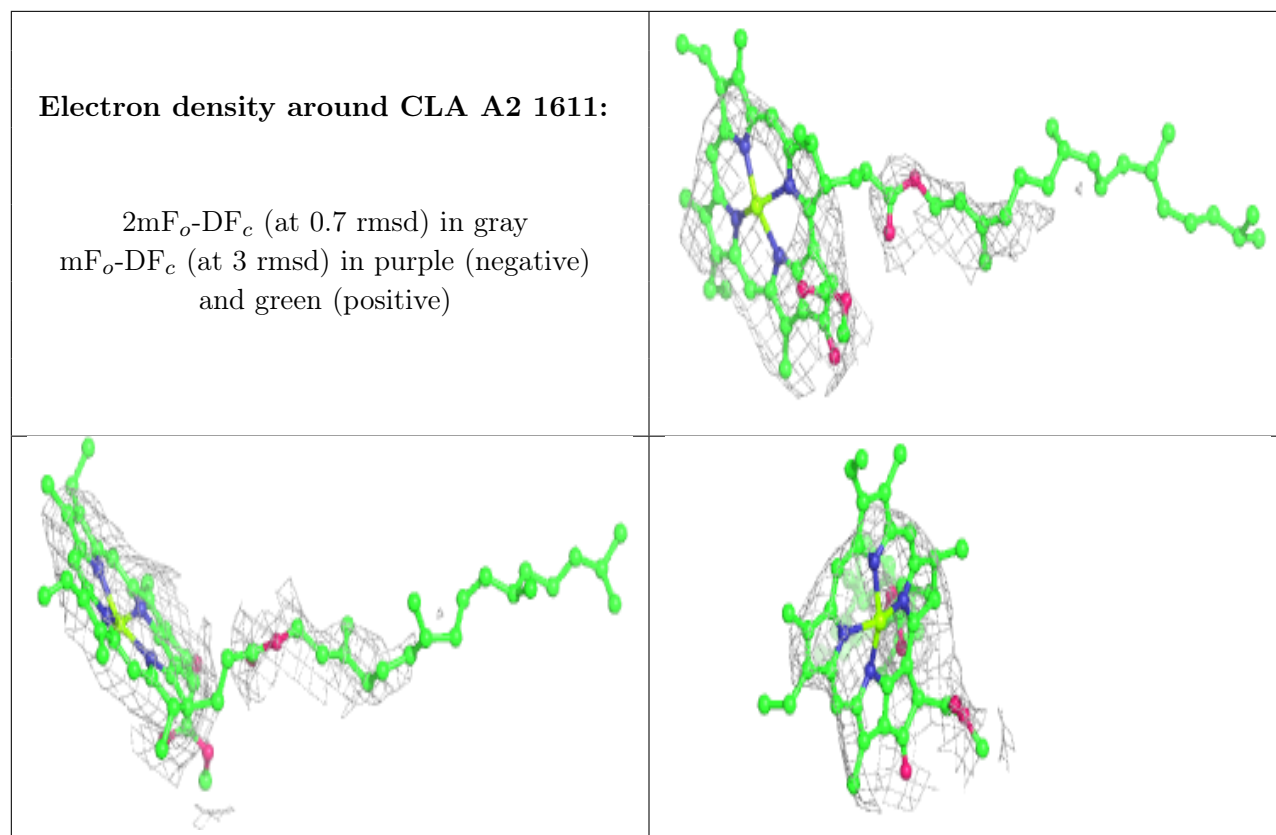
**Electron density around CLA B6 806:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B4 828:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

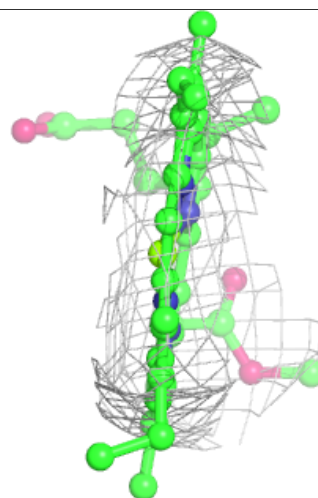
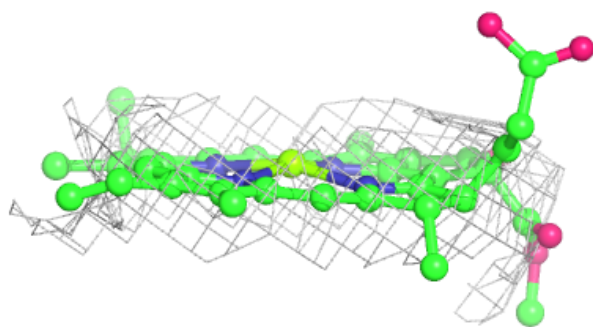
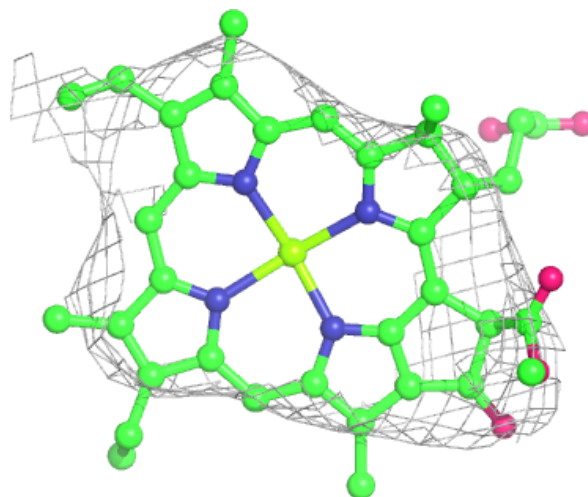






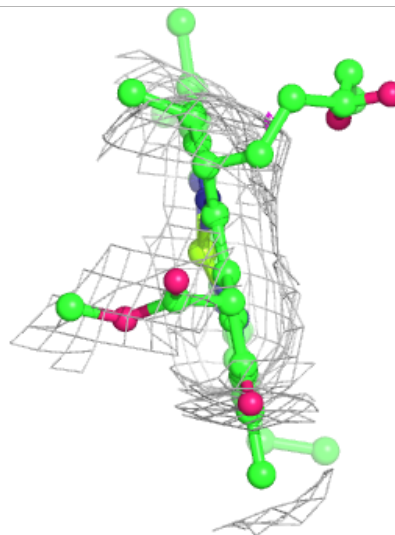
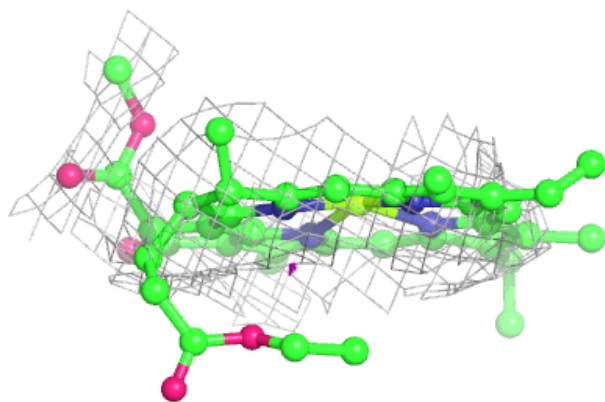
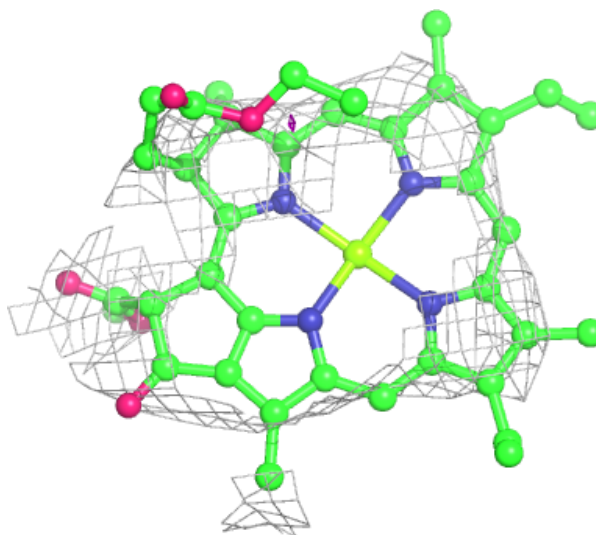
**Electron density around CLA J3 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



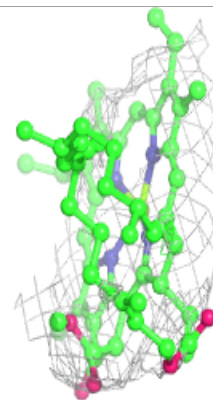
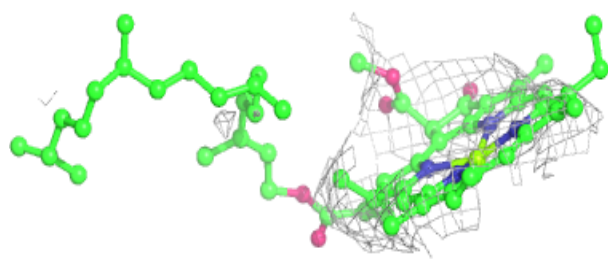
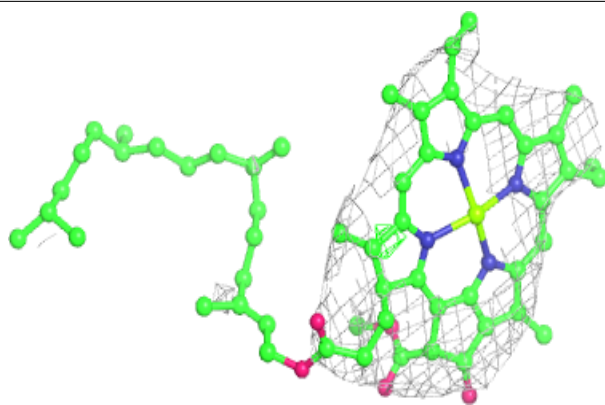
**Electron density around CLA B2 819:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

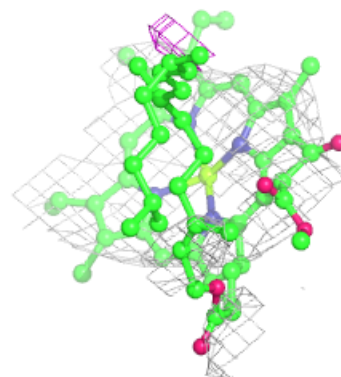
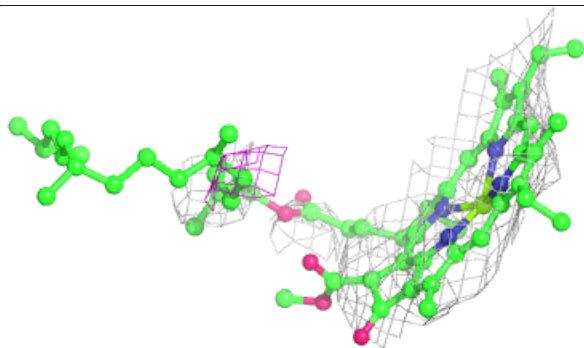
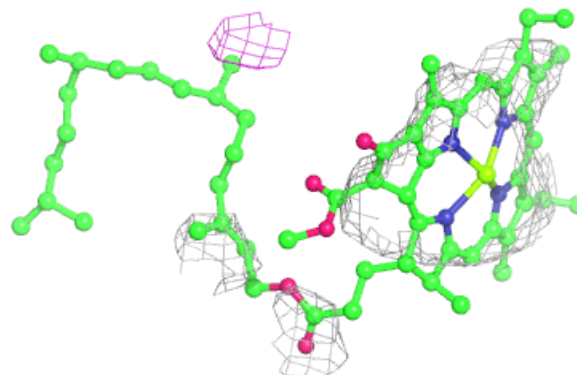


**Electron density around CLA A5 803:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

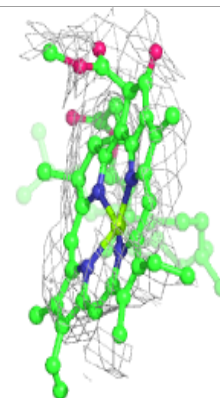
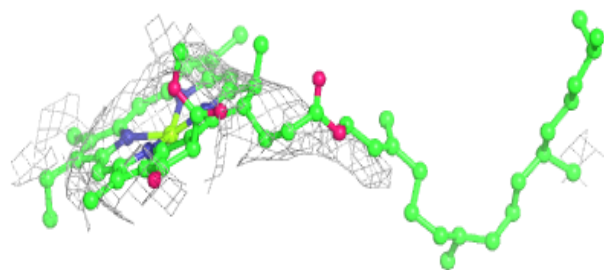
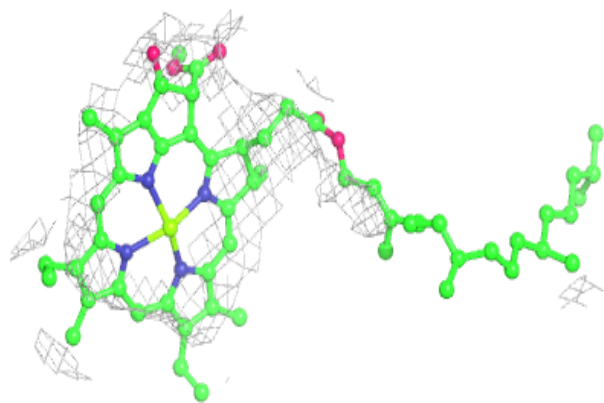
**Electron density around CLA A1 801:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

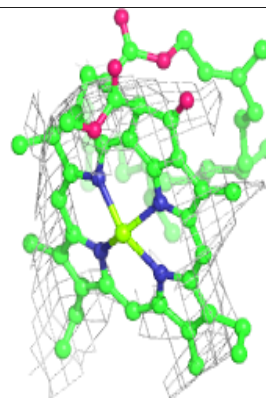
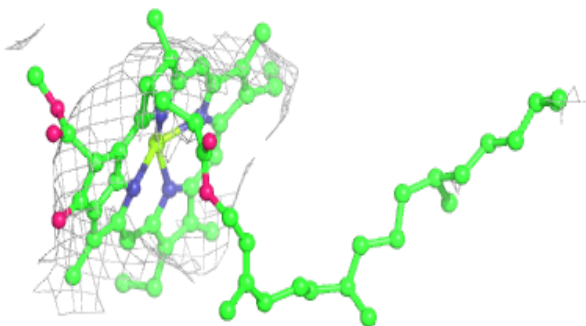
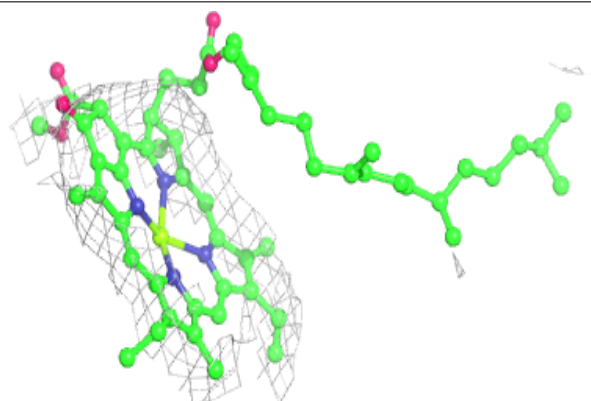


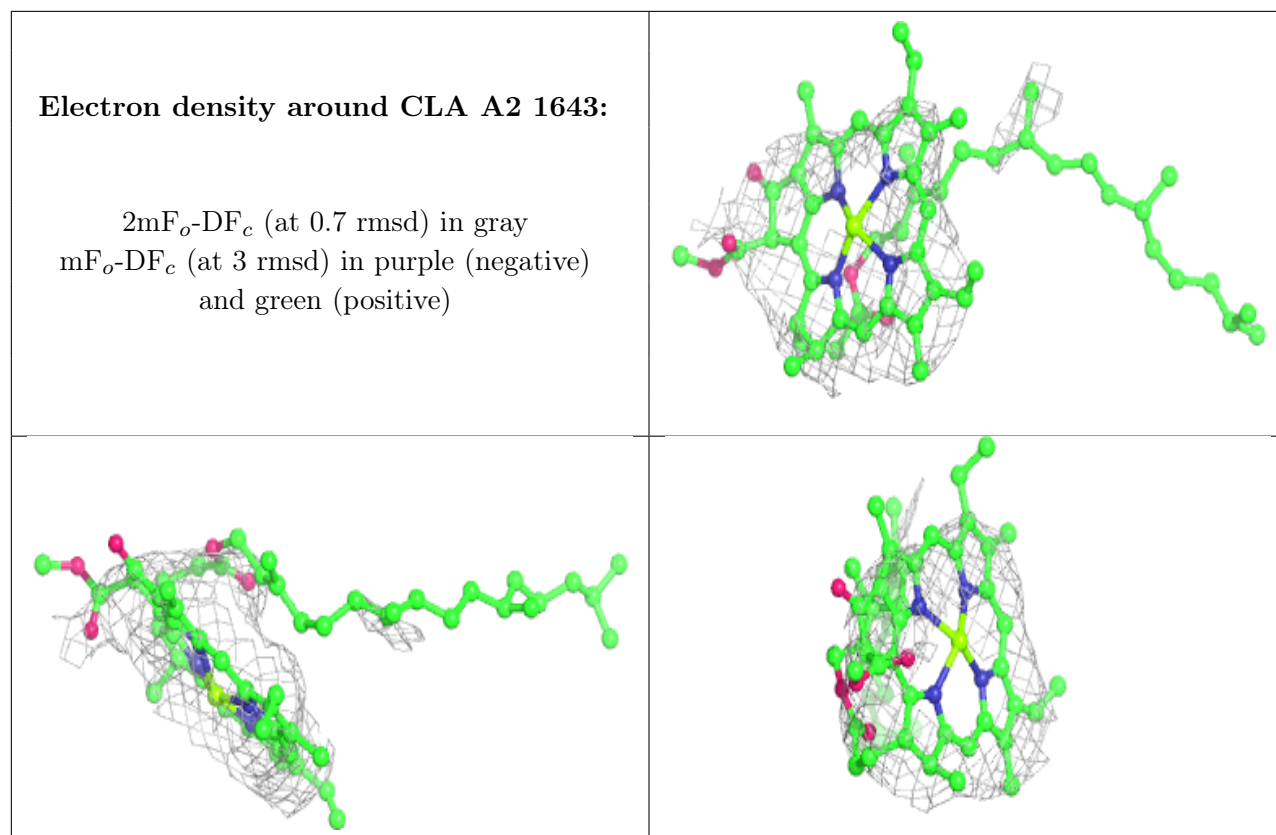
**Electron density around CLA B6 813:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B6 814:**

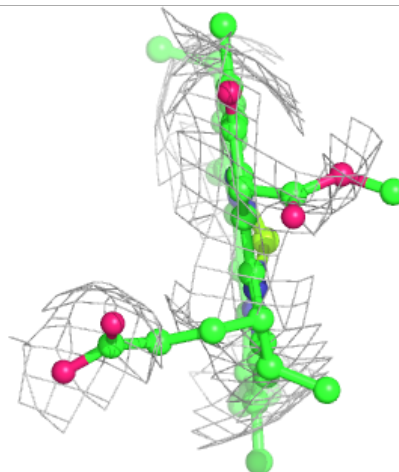
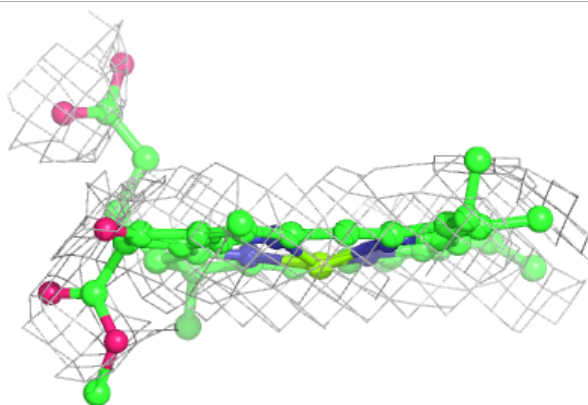
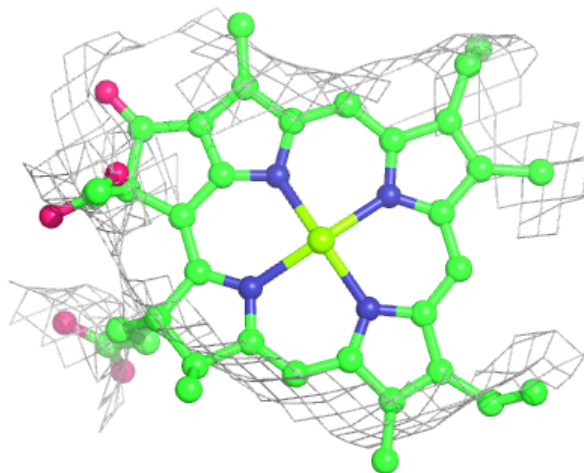
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





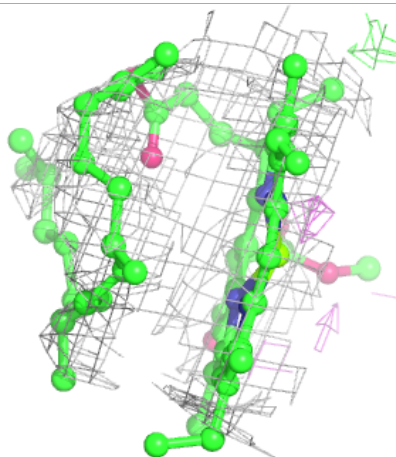
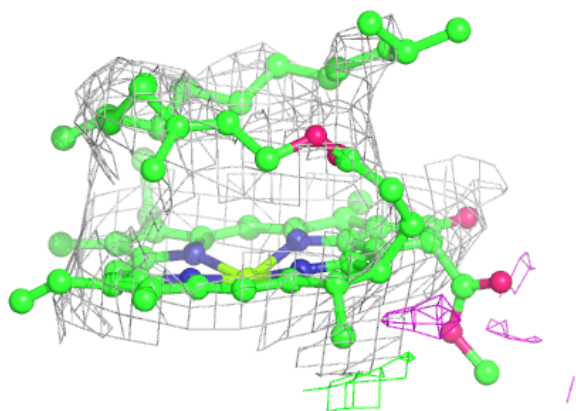
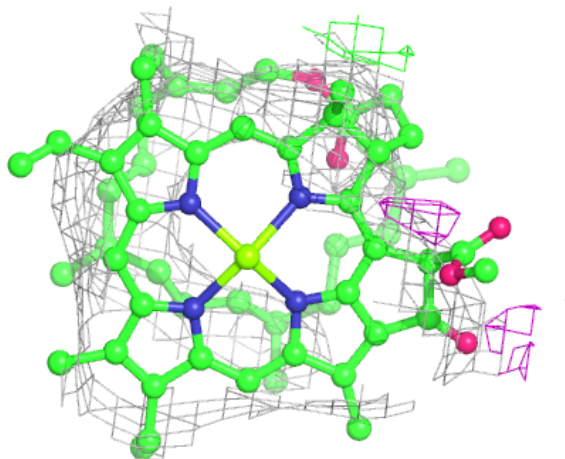
**Electron density around CLA A5 814:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



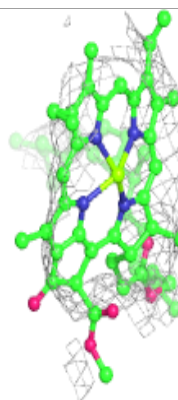
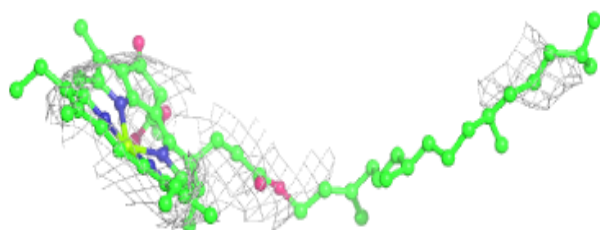
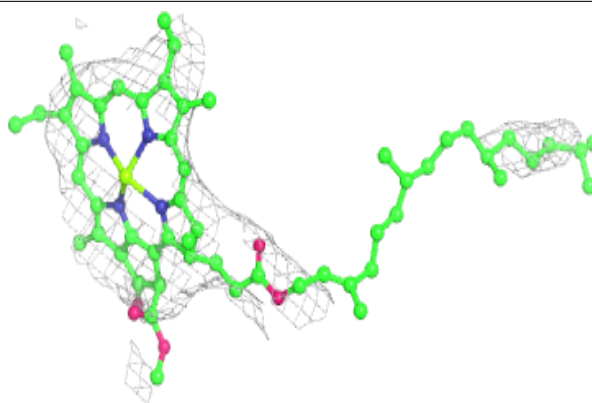
**Electron density around CLA L3 203:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

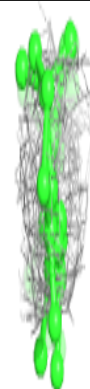
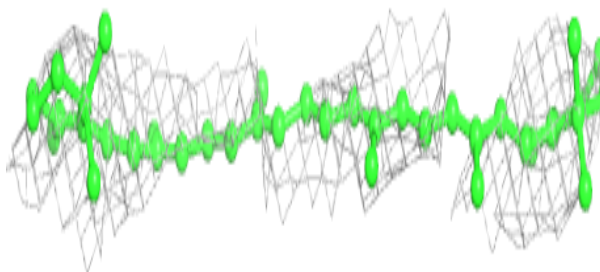
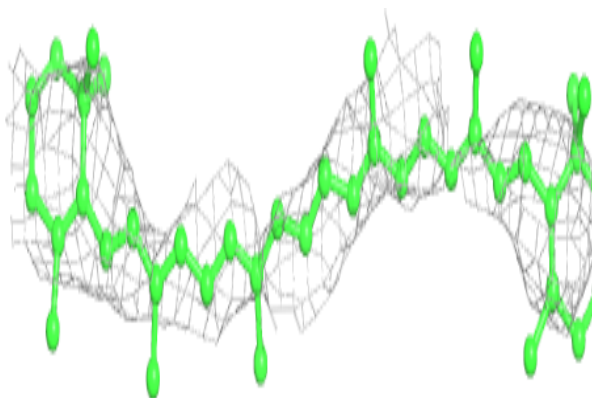


**Electron density around CLA B4 801:**

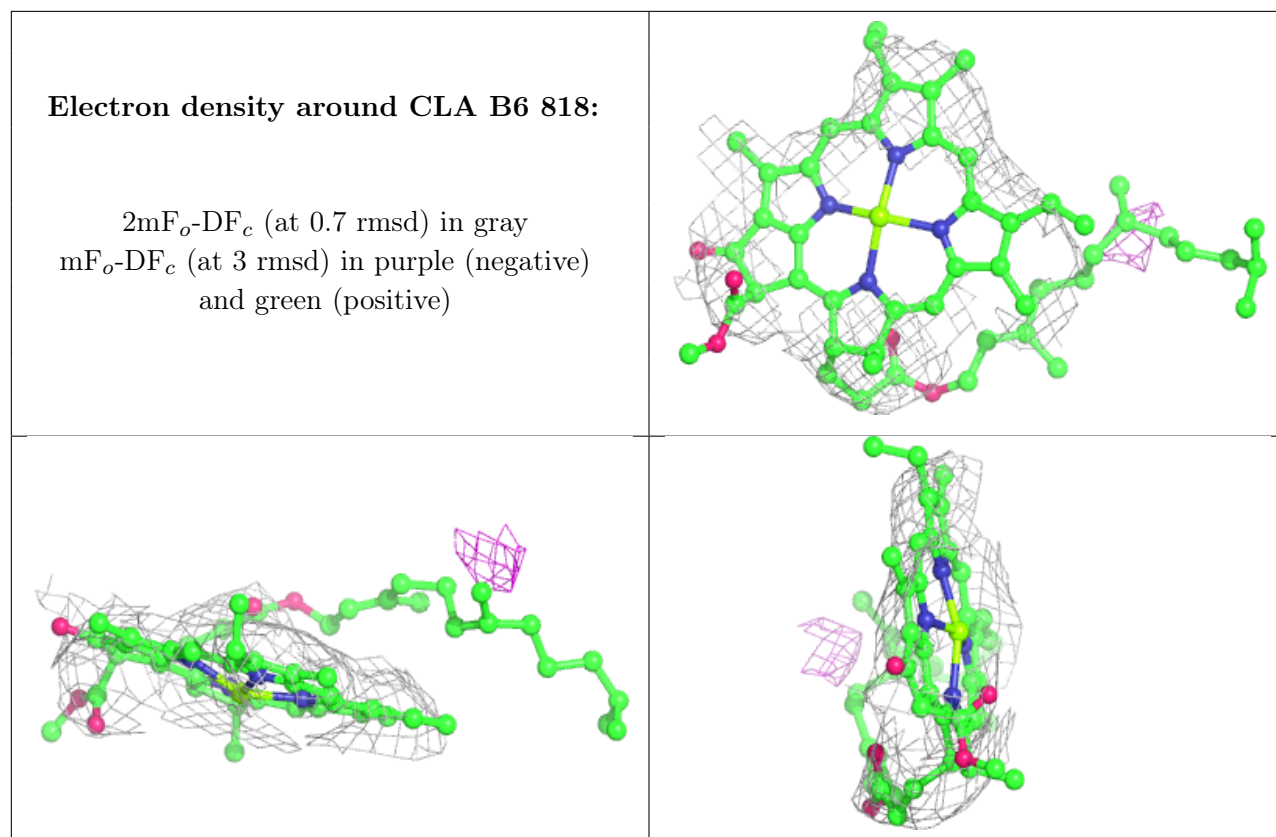
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around BCR L4 206:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

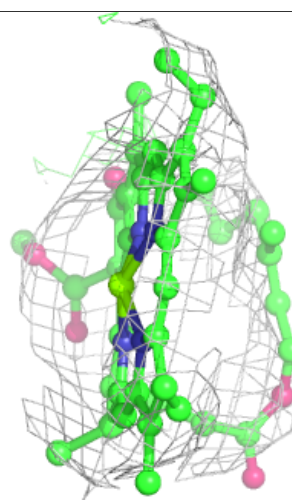
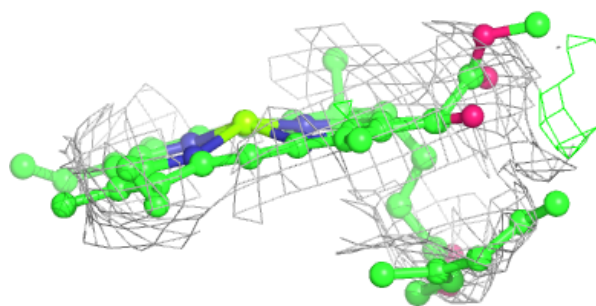
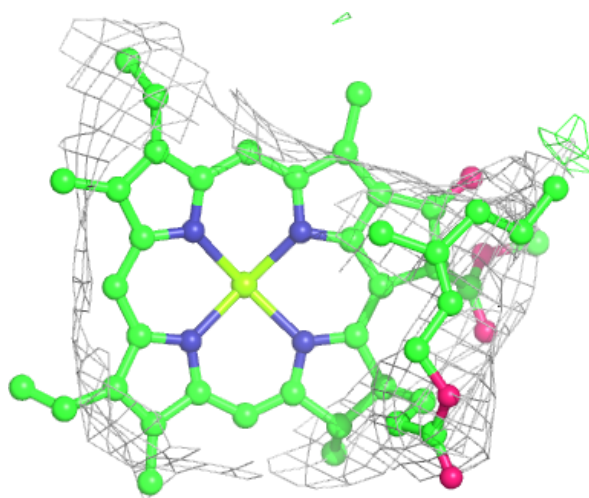






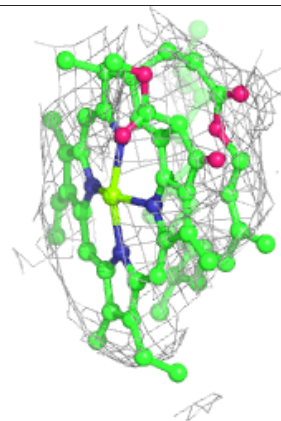
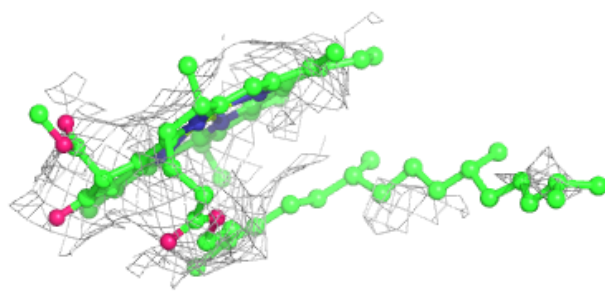
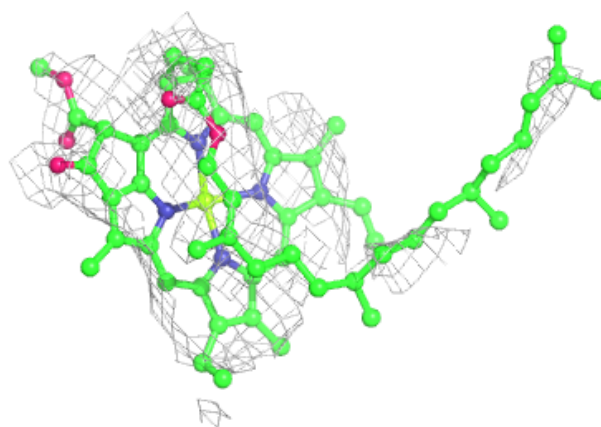
**Electron density around CLA A3 845:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

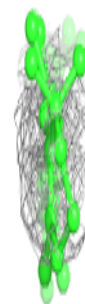
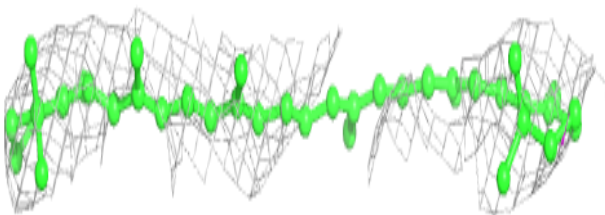
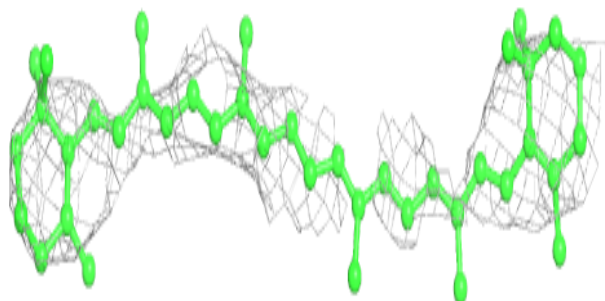


**Electron density around CLA B1 809:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

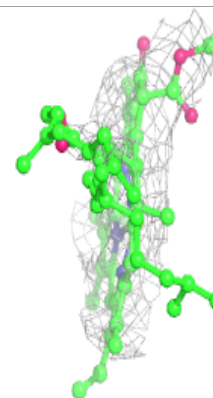
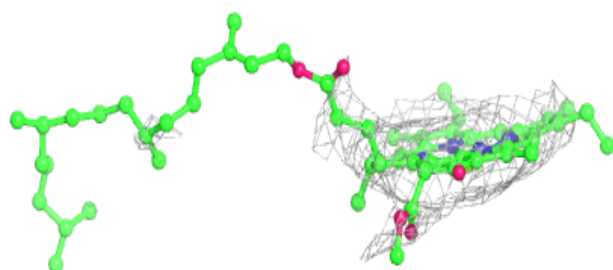
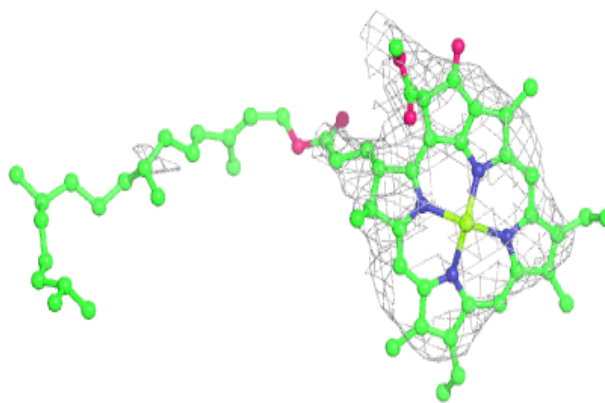
**Electron density around BCR L5 207:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

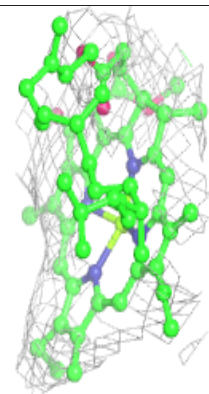
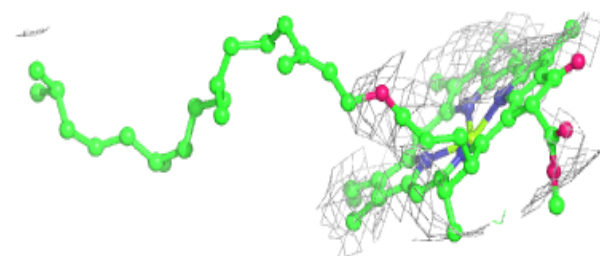
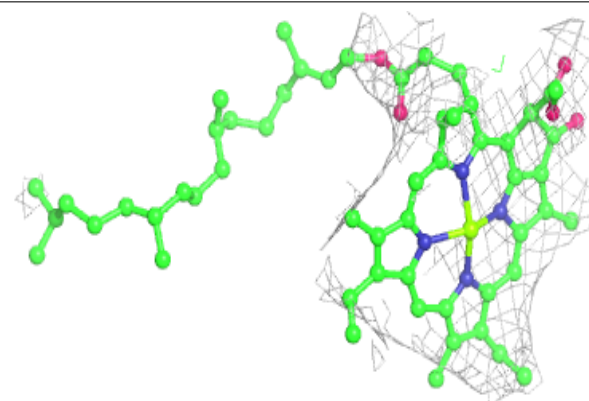


**Electron density around CLA A5 826:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

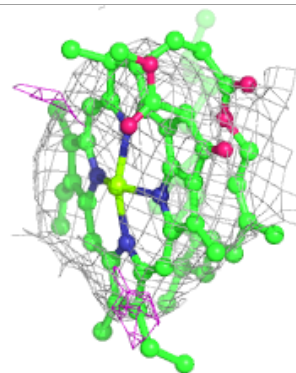
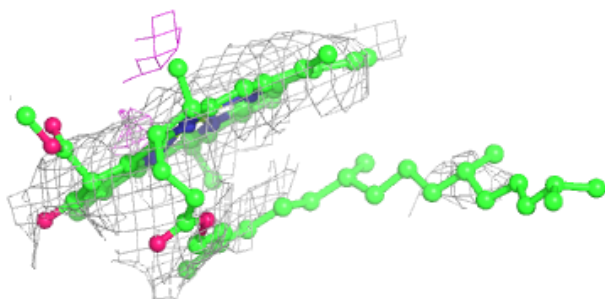
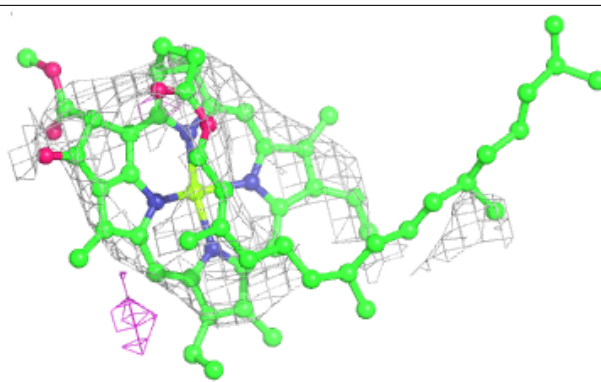
**Electron density around CLA A1 807:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

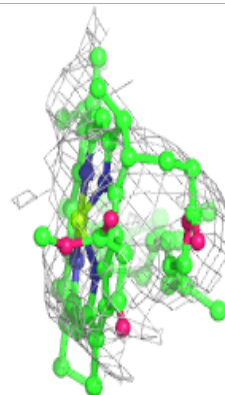
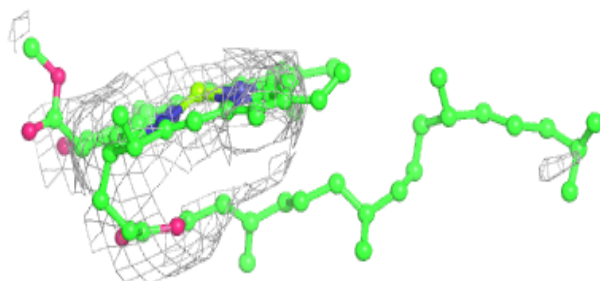
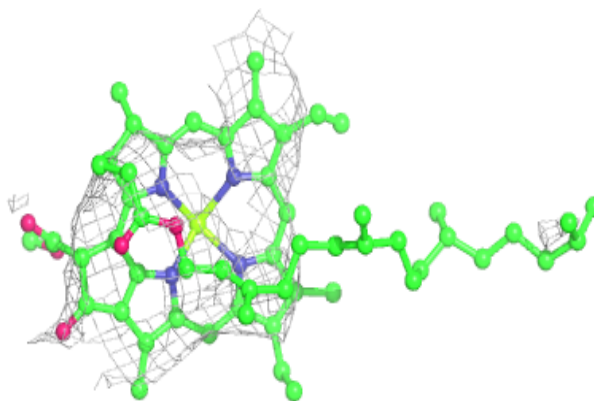


**Electron density around CLA B2 806:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

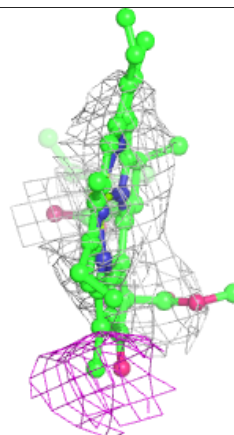
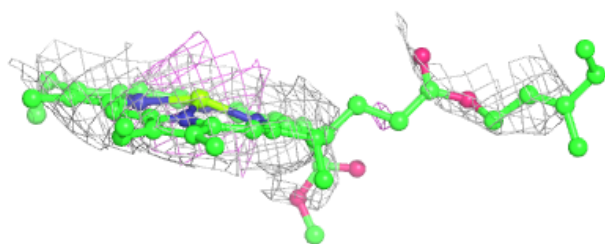
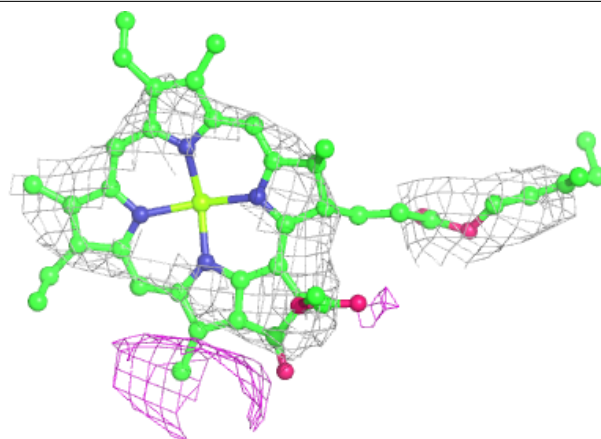
**Electron density around CLA A1 835:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

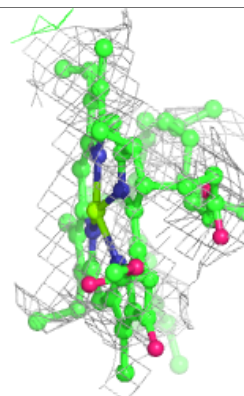
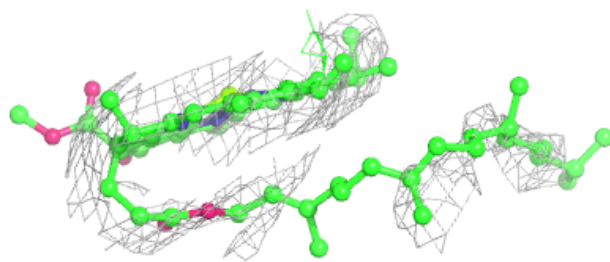
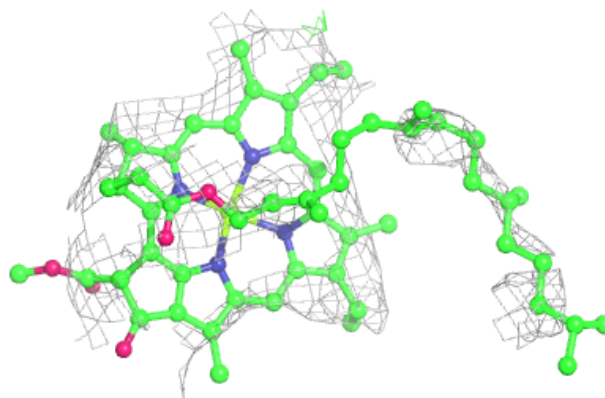


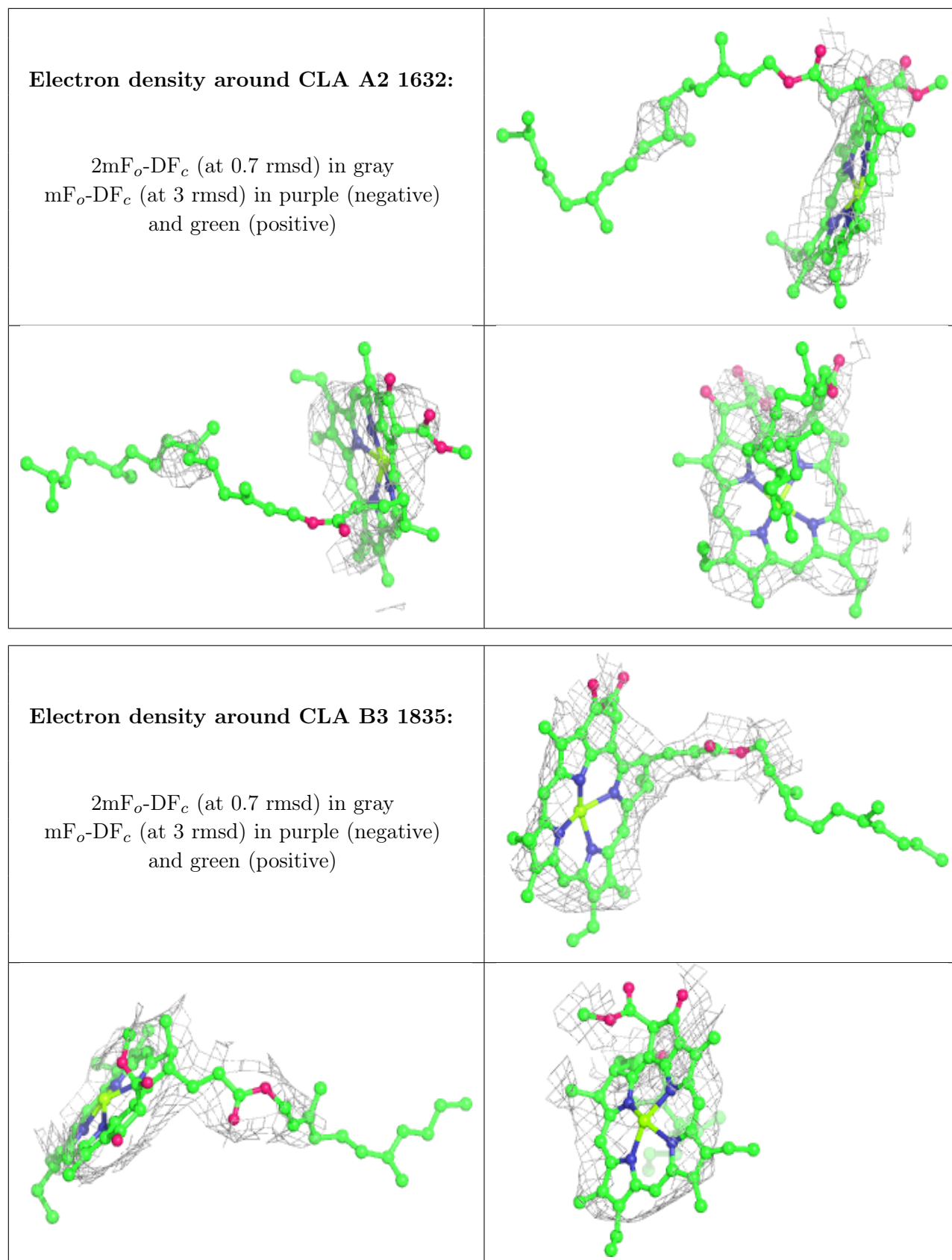
**Electron density around CLA A5 836:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B5 1840:**

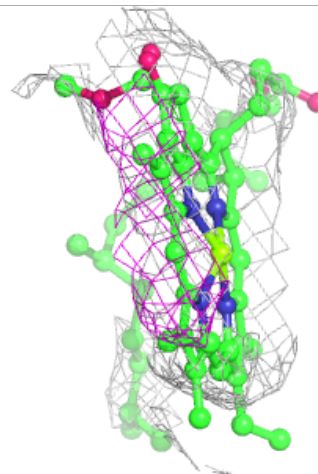
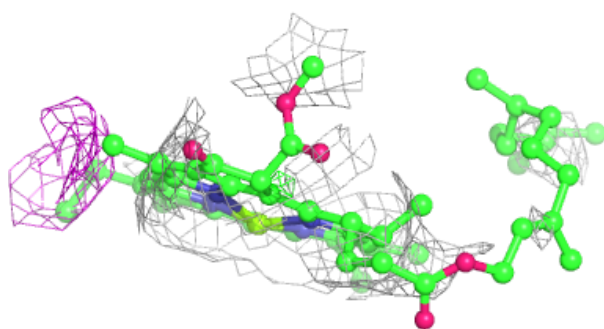
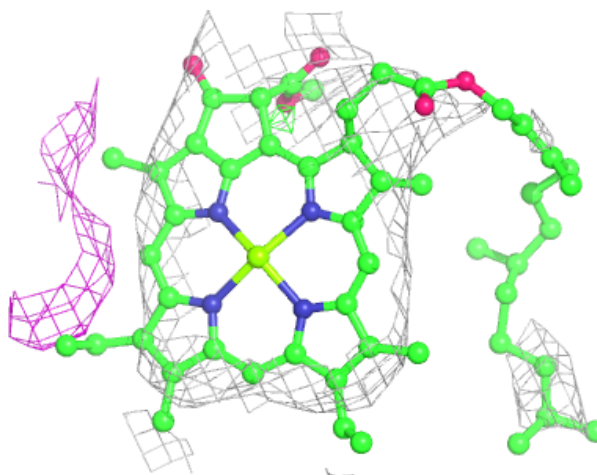
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





**Electron density around CLA A3 813:**

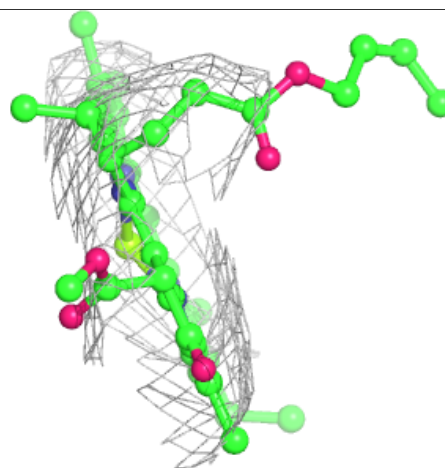
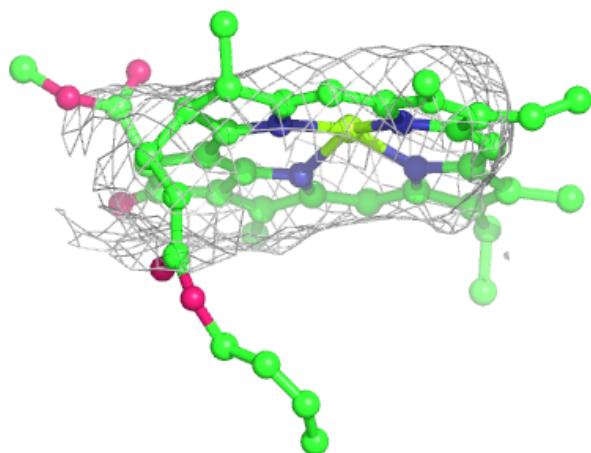
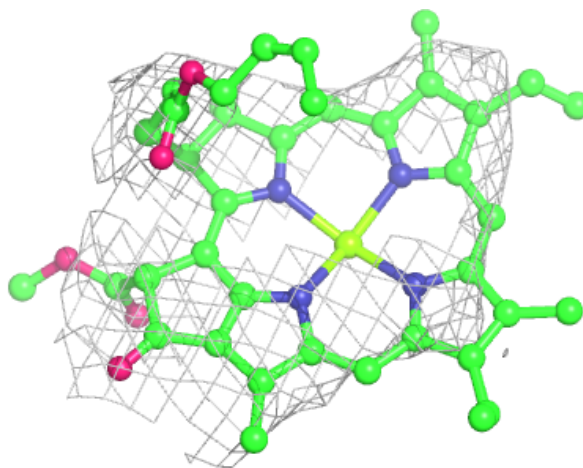
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





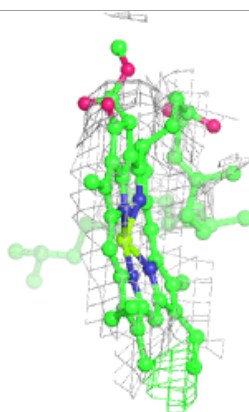
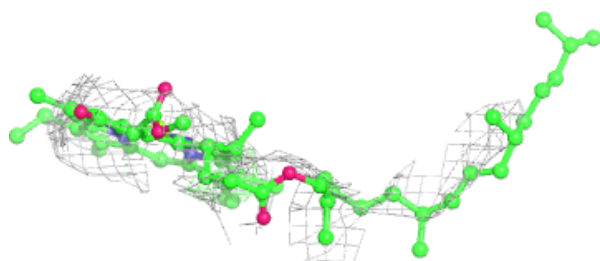
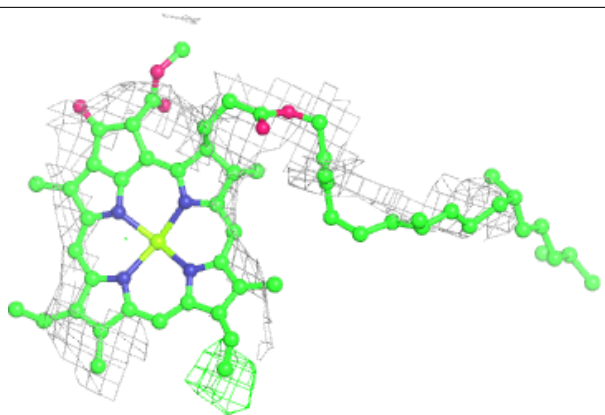
**Electron density around CLA B4 833:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

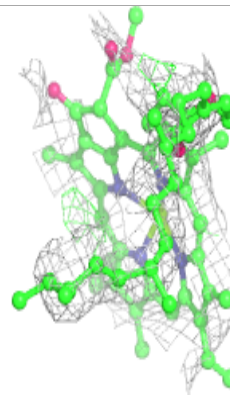
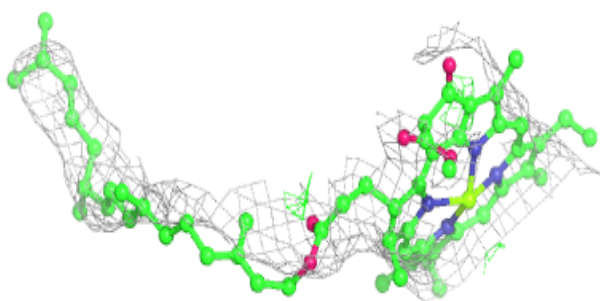
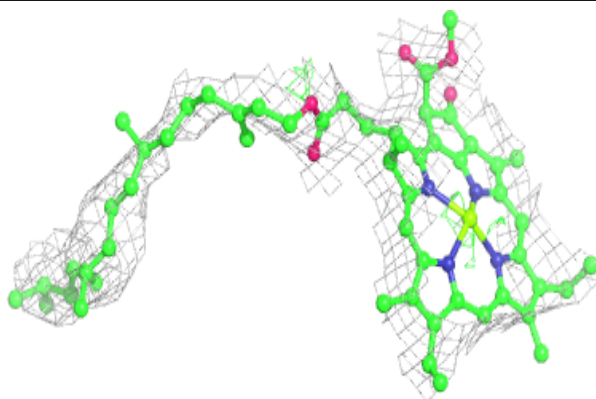


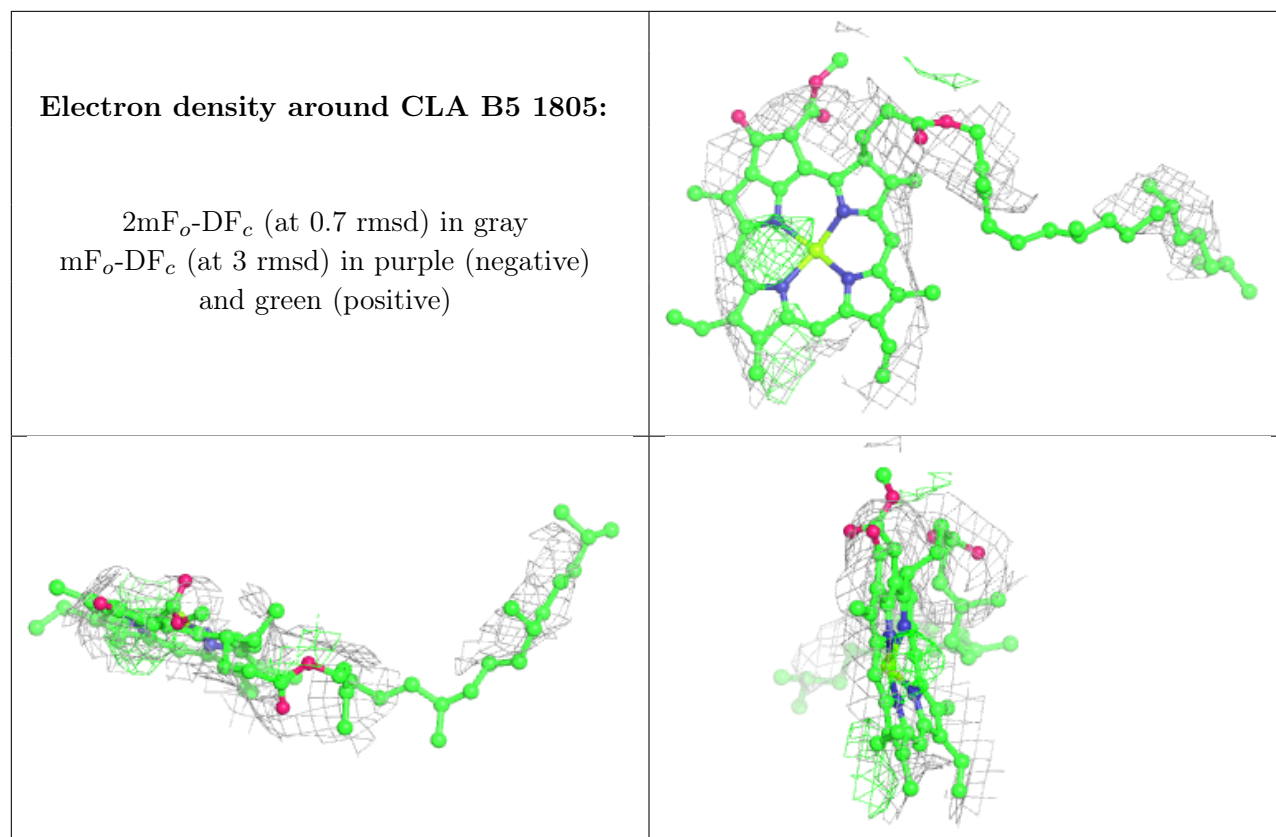
**Electron density around CLA B1 806:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B5 1804:**

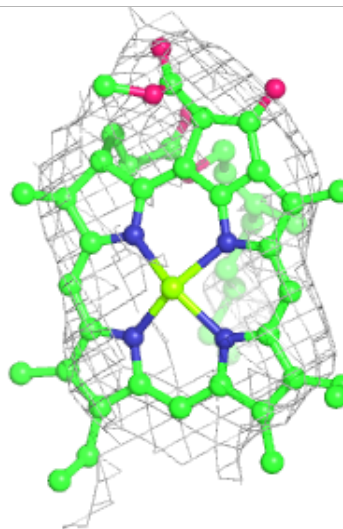
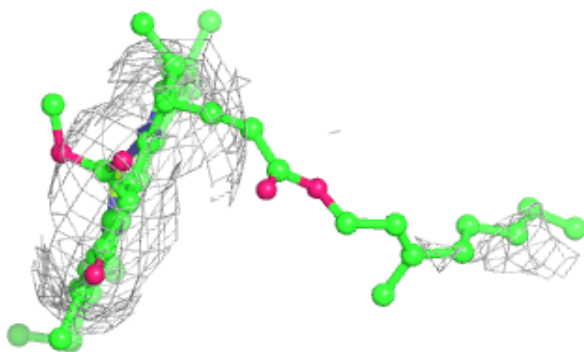
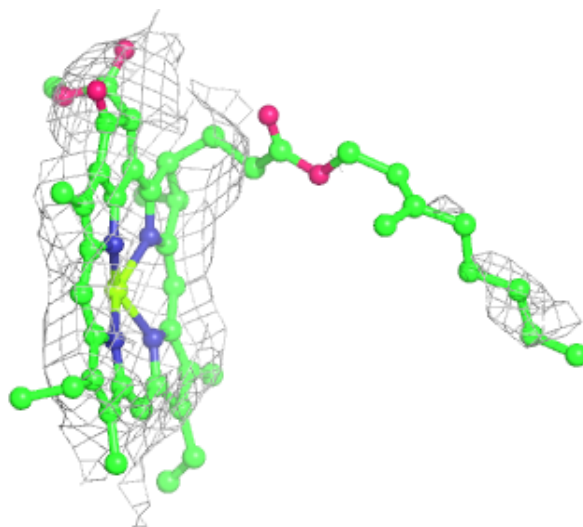
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





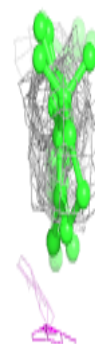
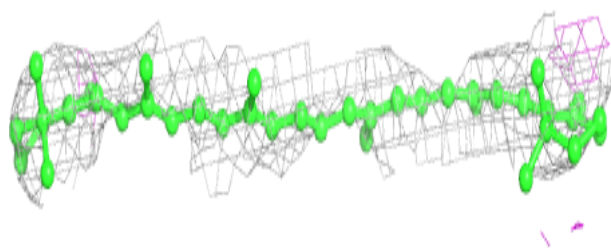
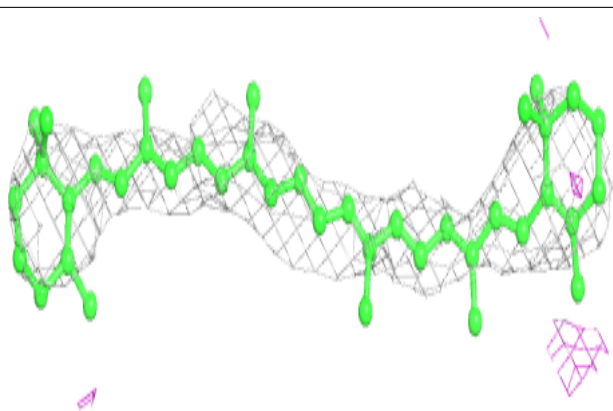
**Electron density around CLA B5 1806:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

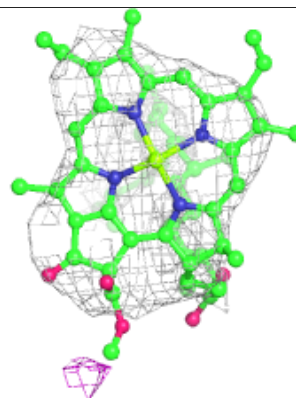
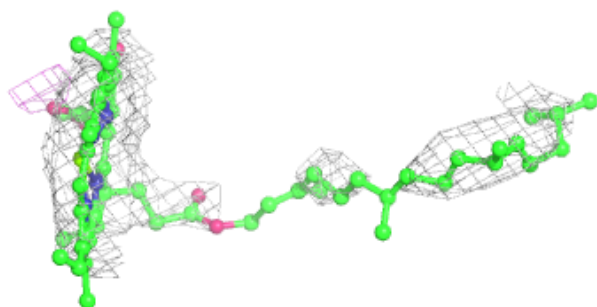
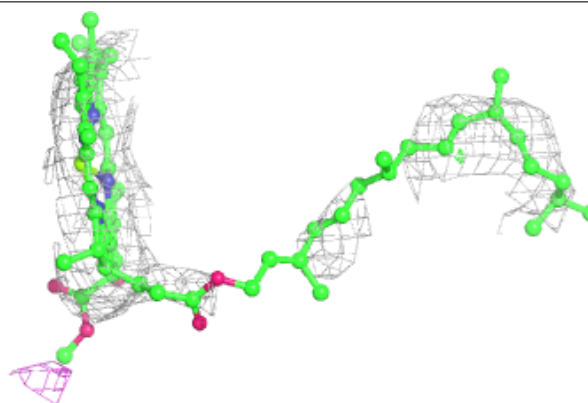


**Electron density around BCR L3 206:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

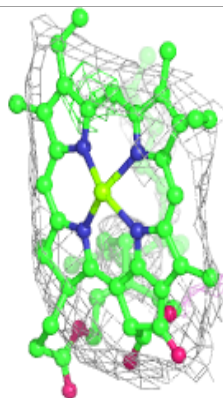
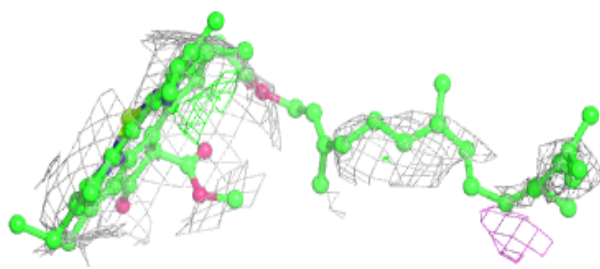
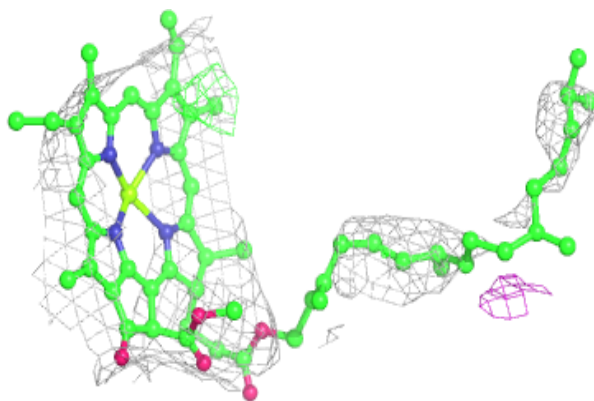
**Electron density around CLA B2 840:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

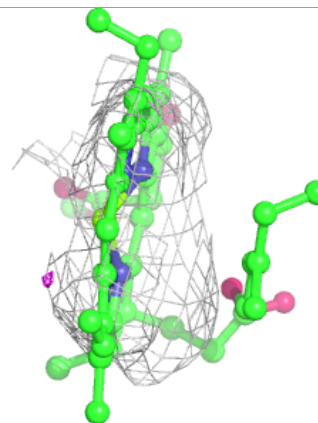
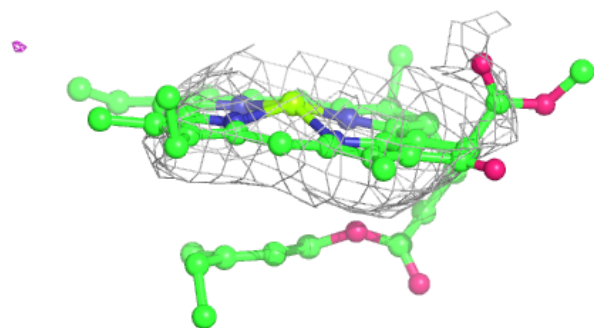
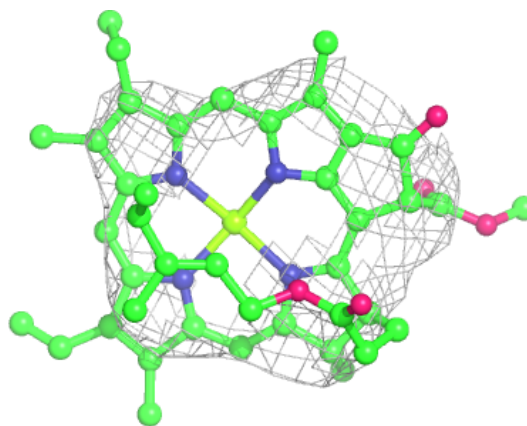


**Electron density around CLA B4 812:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

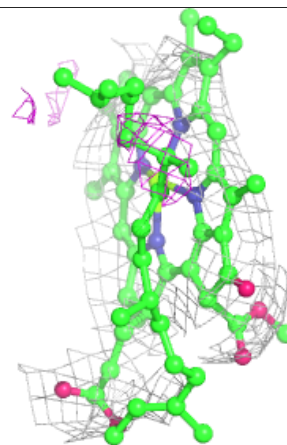
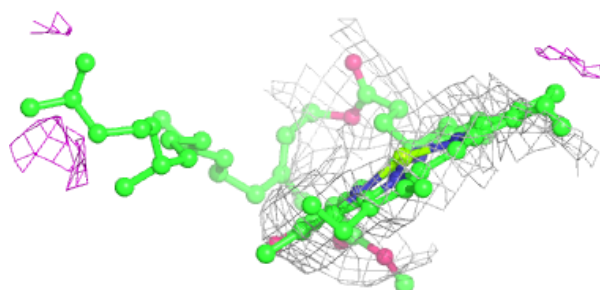
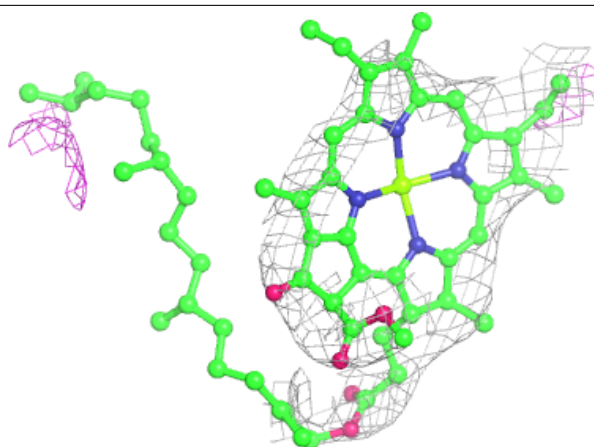
**Electron density around CLA A6 1623:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

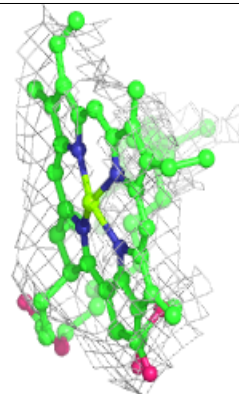
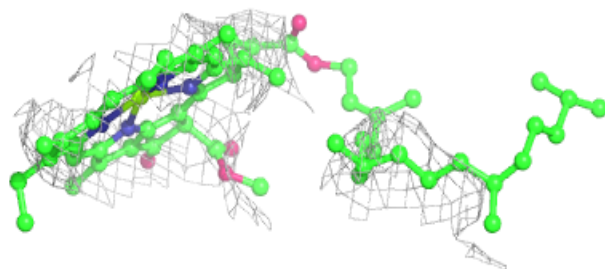
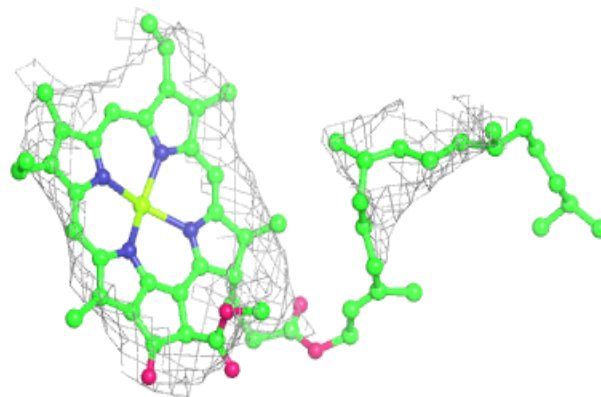


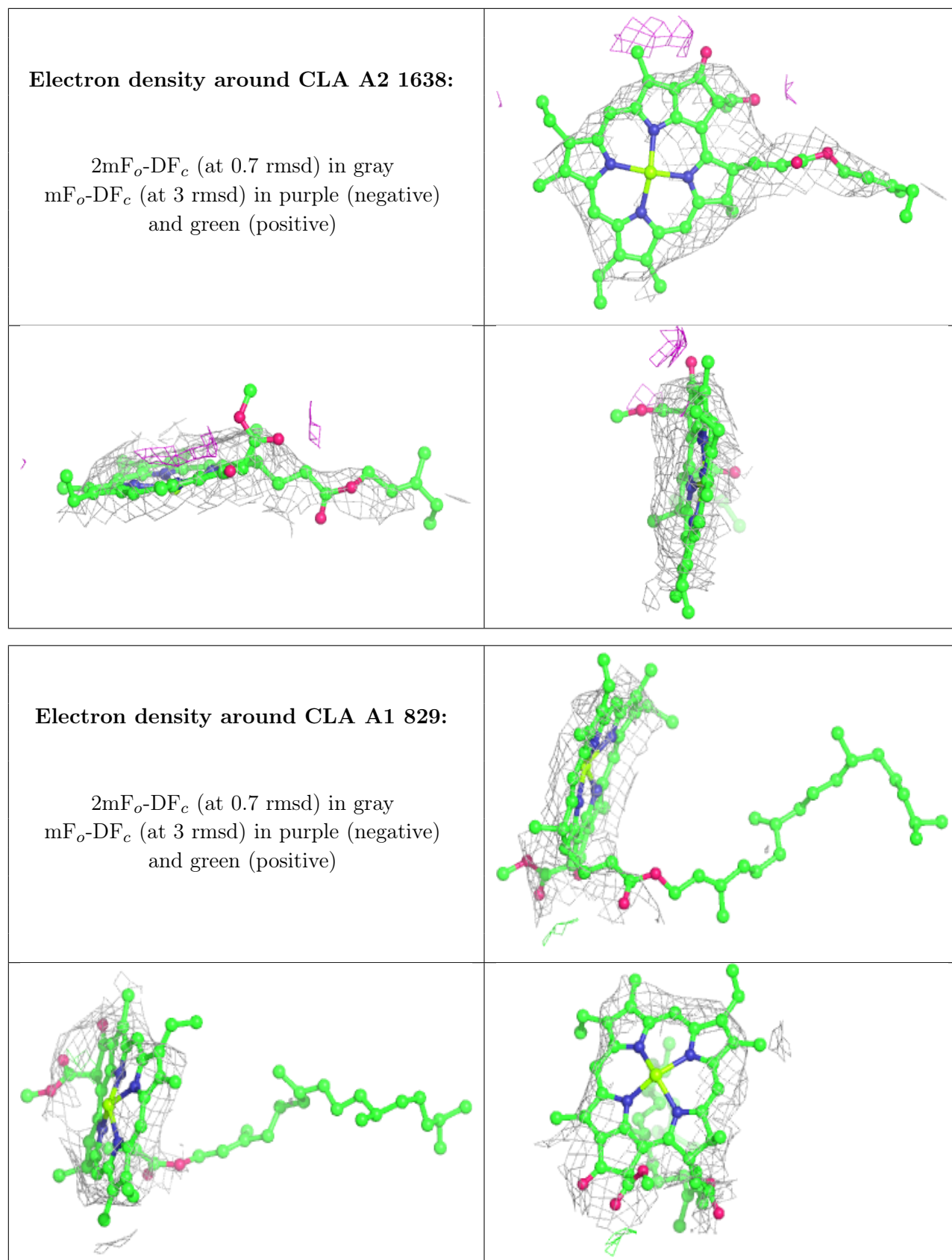
**Electron density around CLA A6 1625:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA J6 1101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

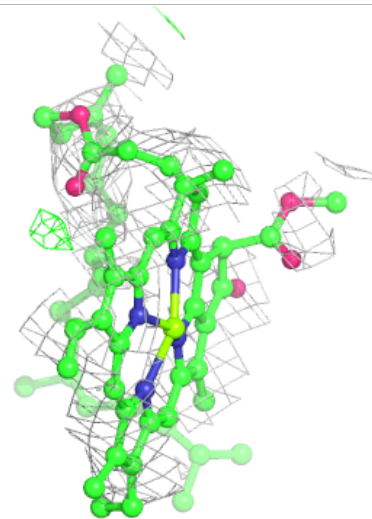
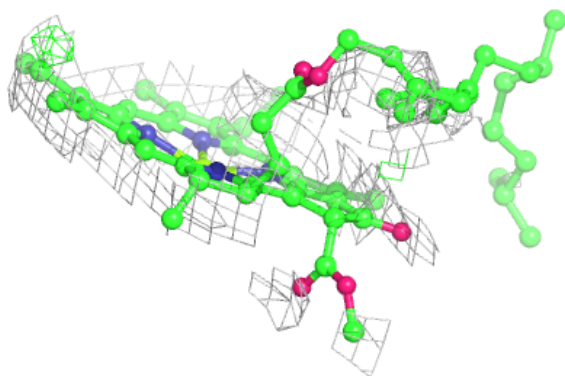
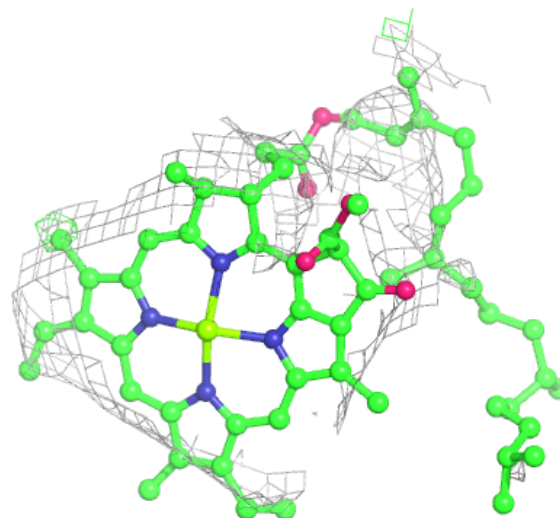






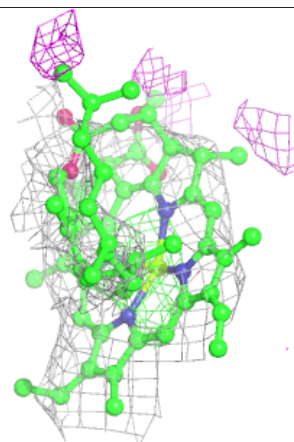
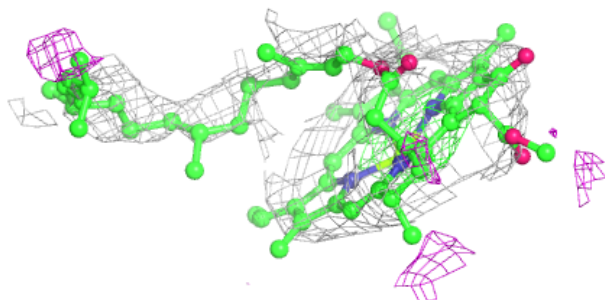
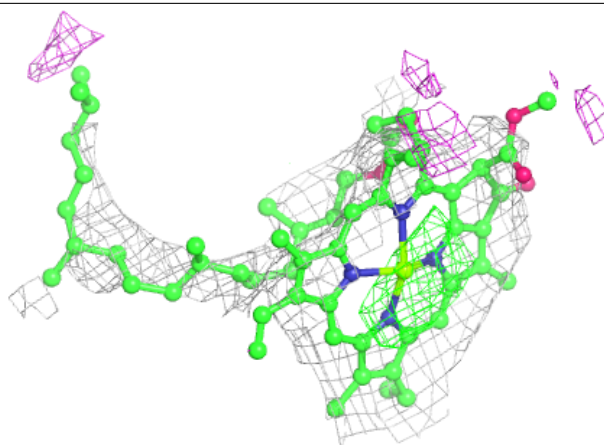
**Electron density around CLA B1 833:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

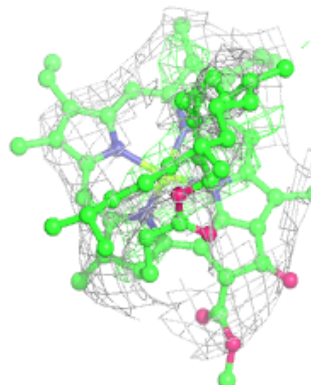
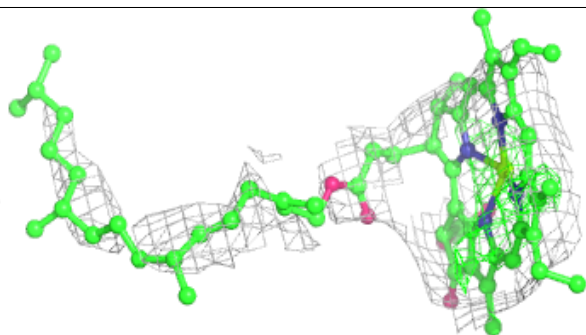
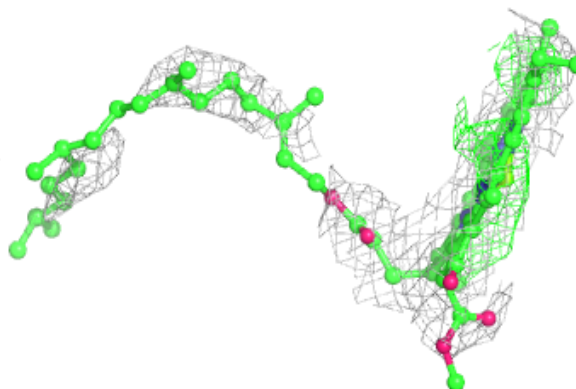


**Electron density around CLA L6 203:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

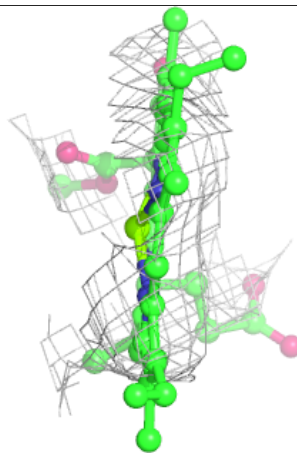
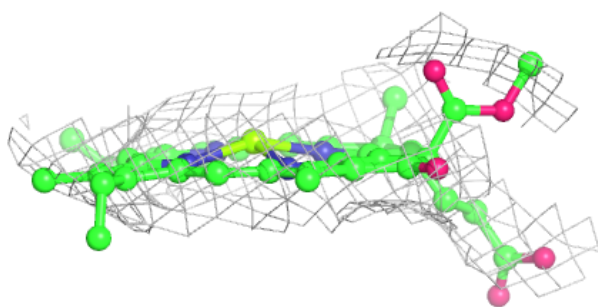
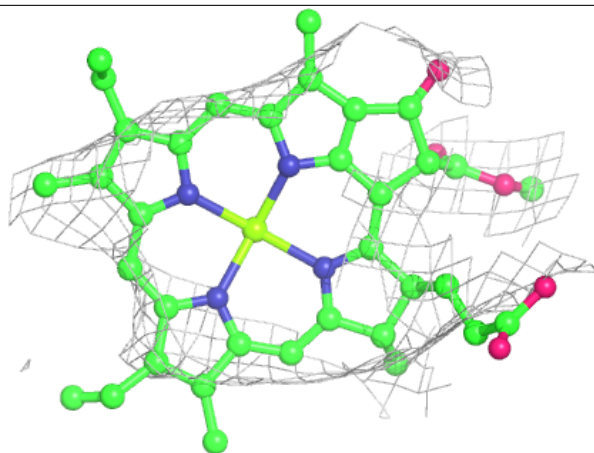
**Electron density around CLA B4 842:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

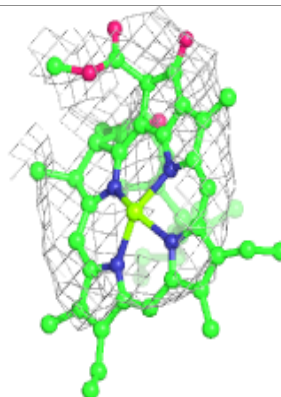
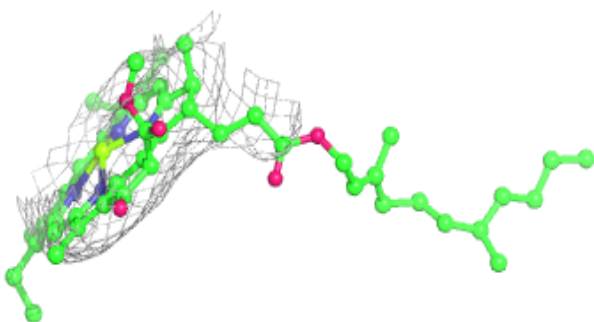
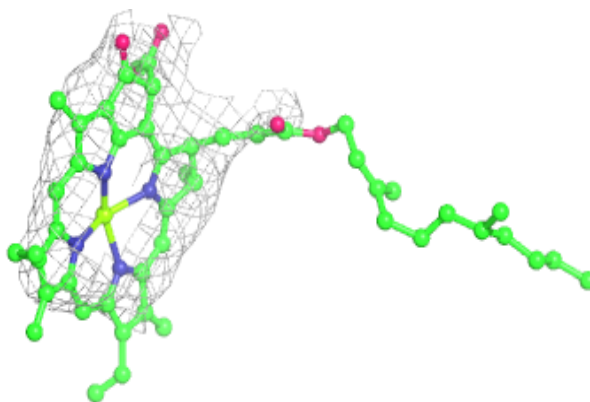


**Electron density around CLA B4 825:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

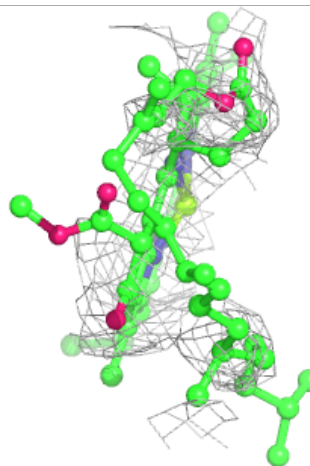
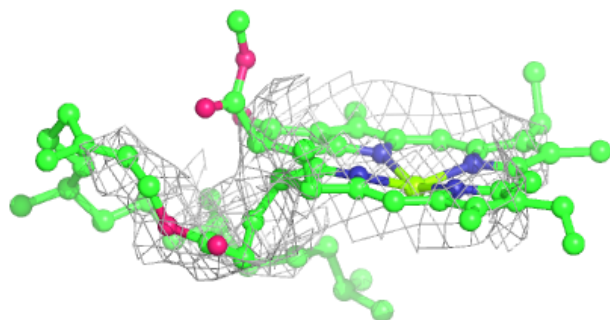
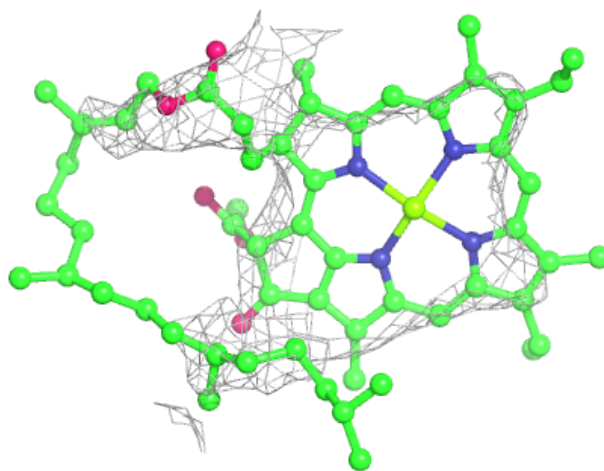
**Electron density around CLA B6 833:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



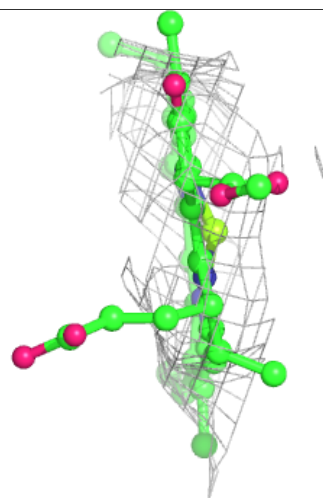
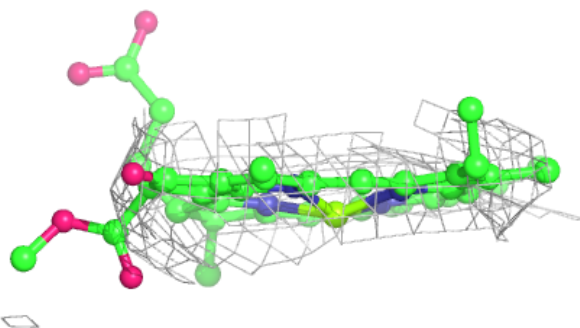
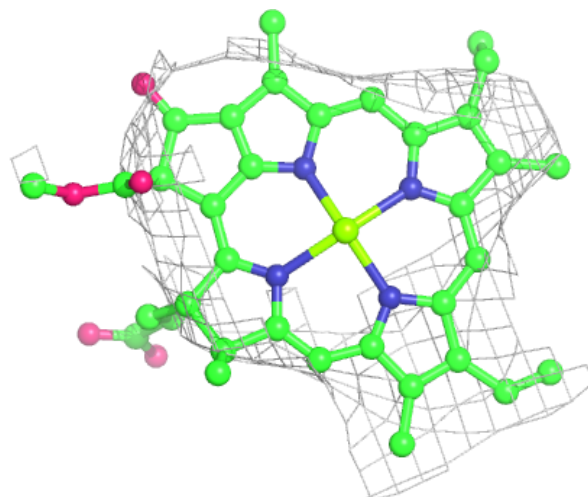
**Electron density around CLA B5 1807:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



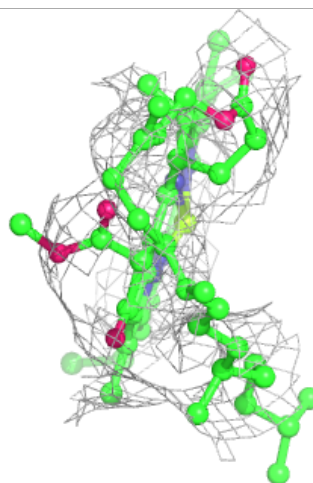
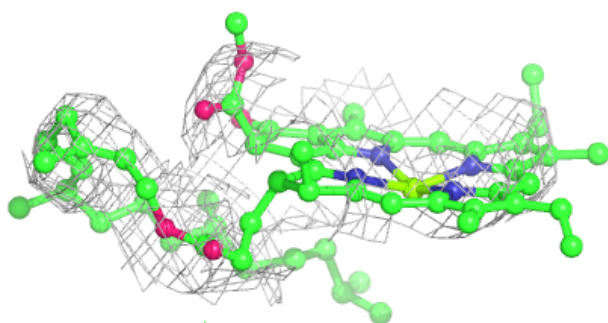
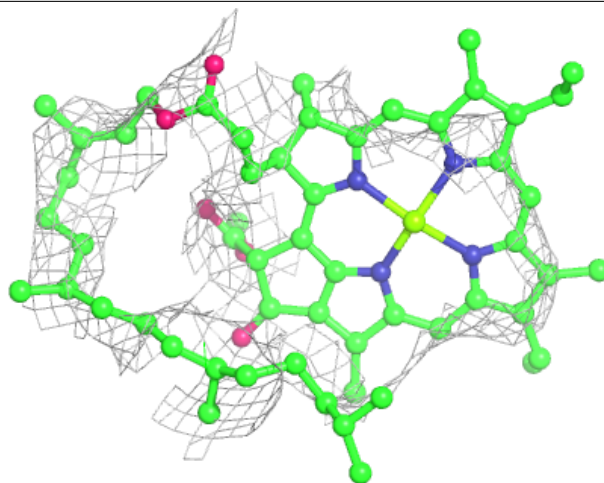
**Electron density around CLA B6 835:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



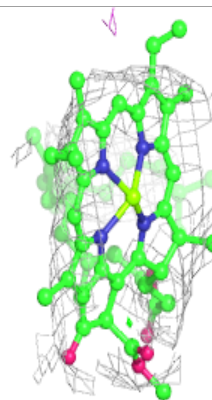
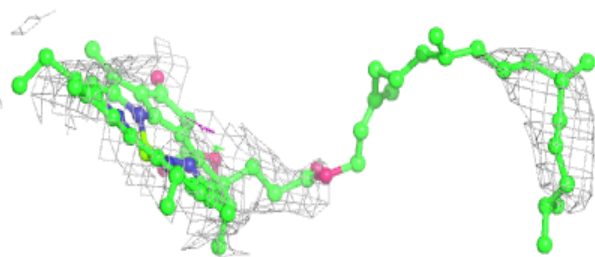
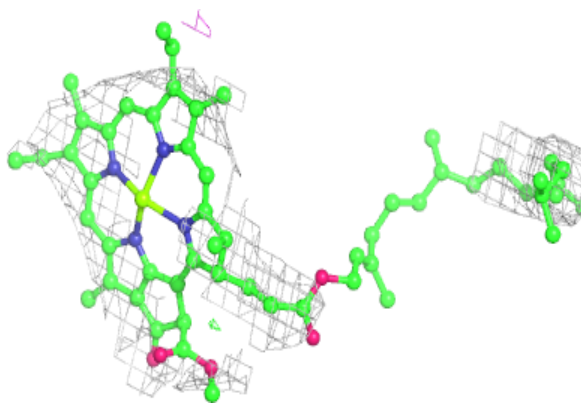
**Electron density around CLA B2 804:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

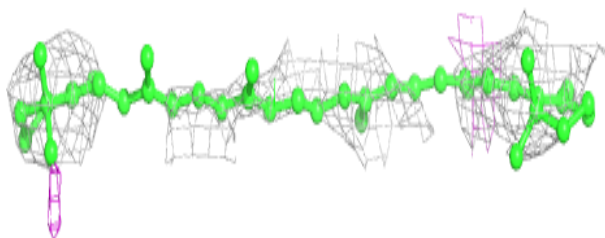
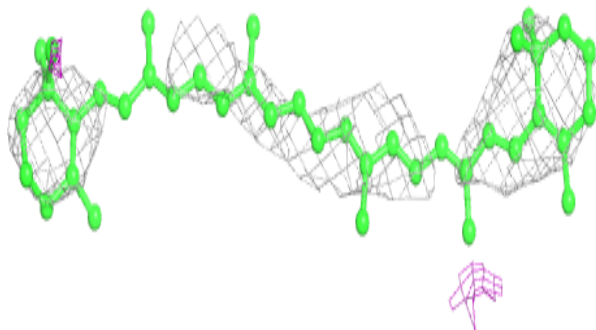


**Electron density around CLA B5 1811:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

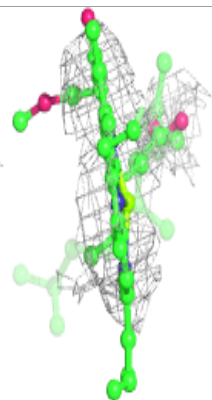
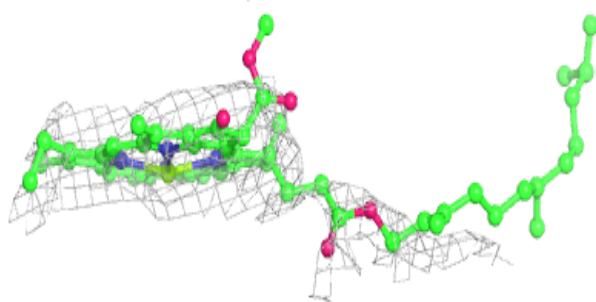
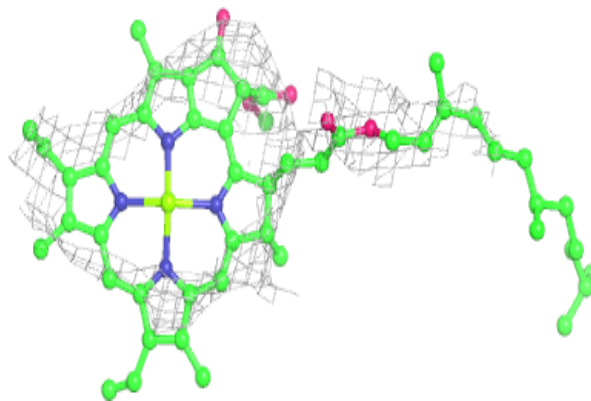
**Electron density around BCR L6 209:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

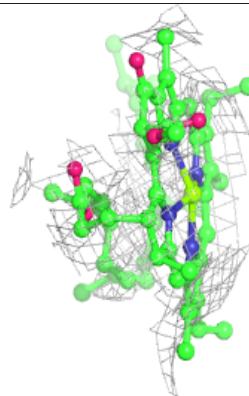
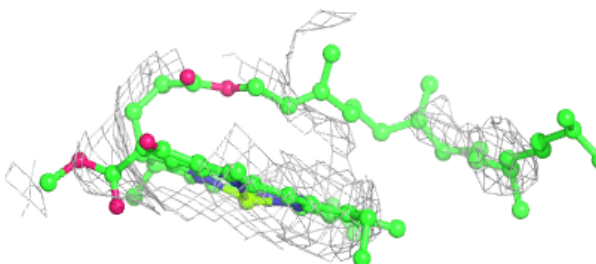
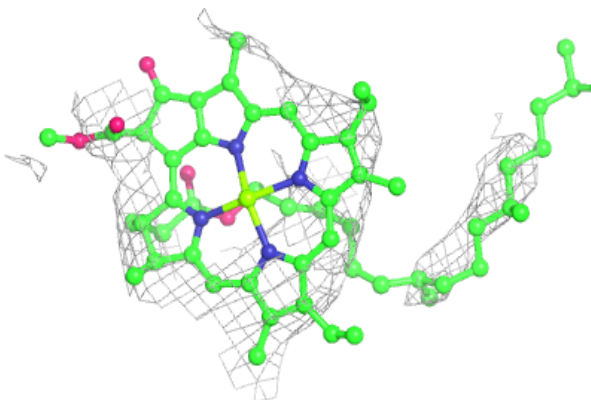


**Electron density around CLA B6 837:**

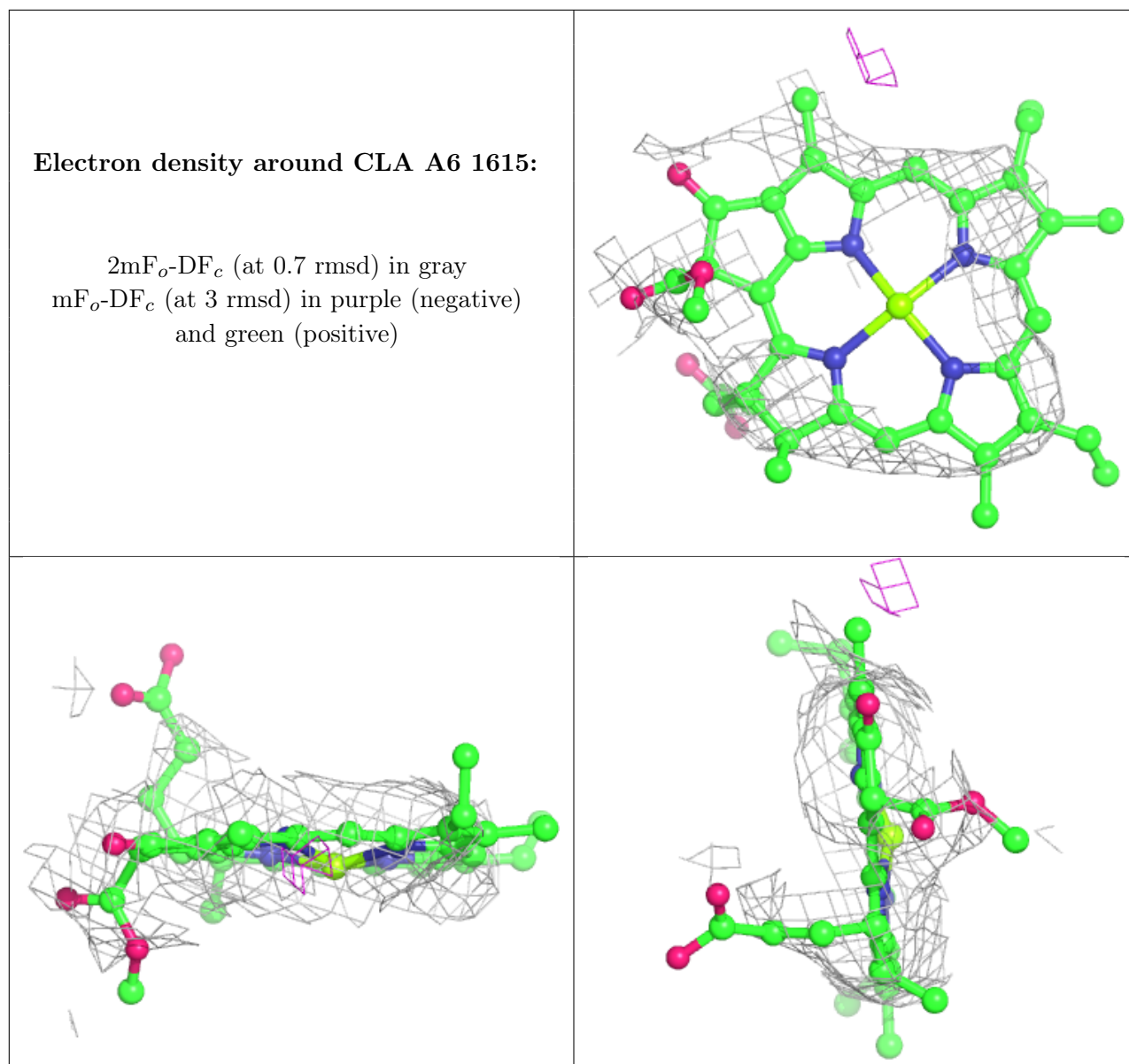
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B6 838:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

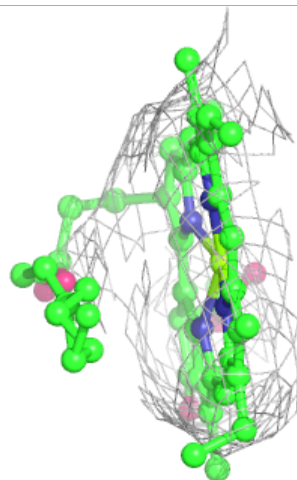
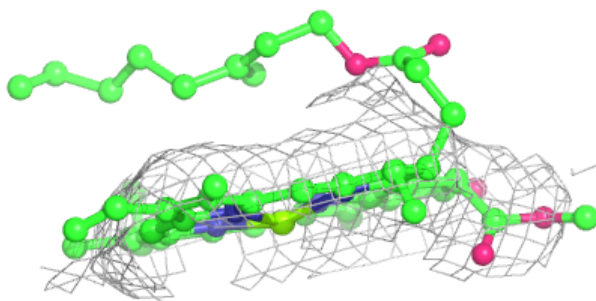
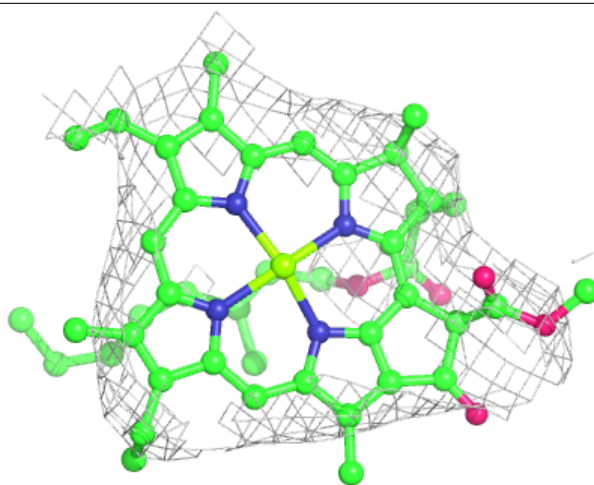






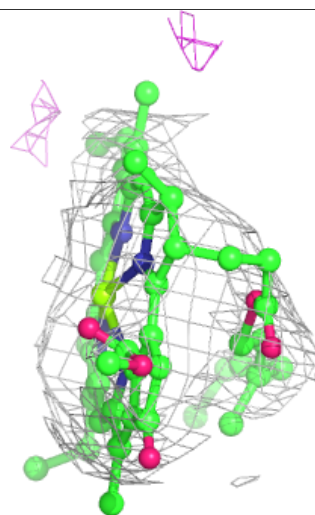
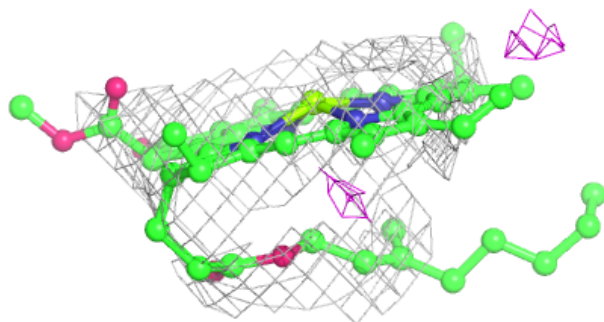
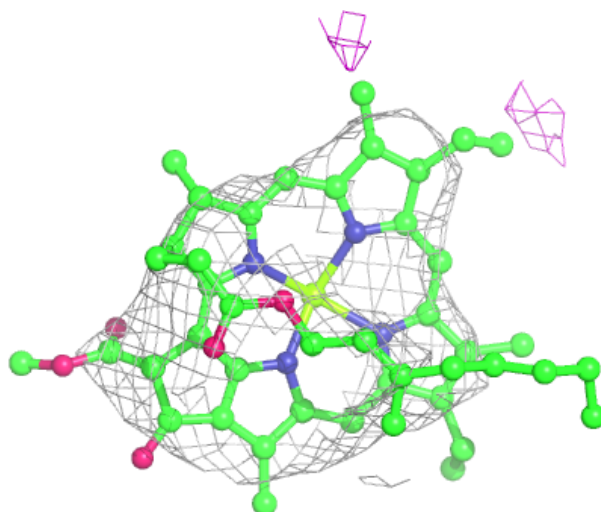
**Electron density around CLA A3 812:**

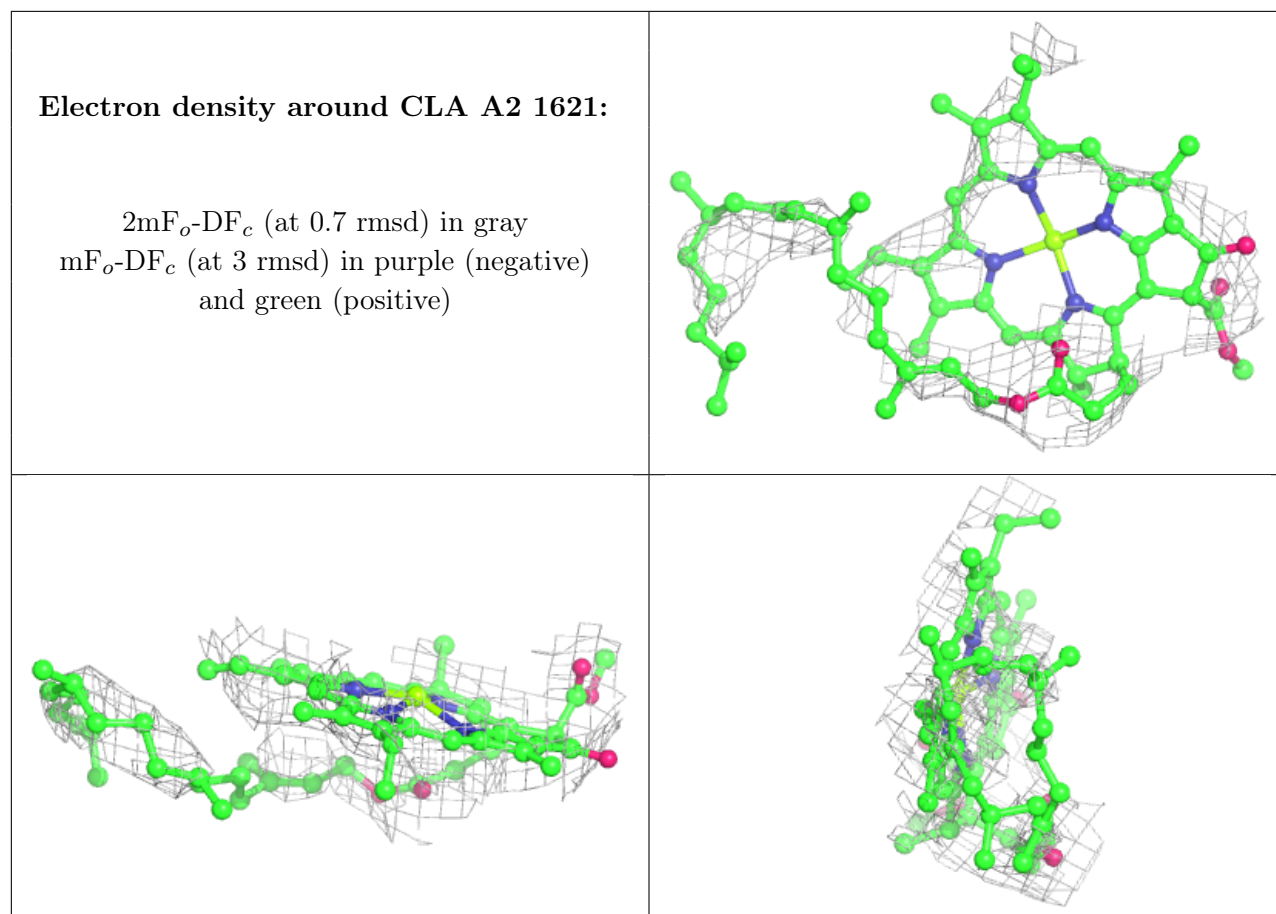
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A6 1617:**

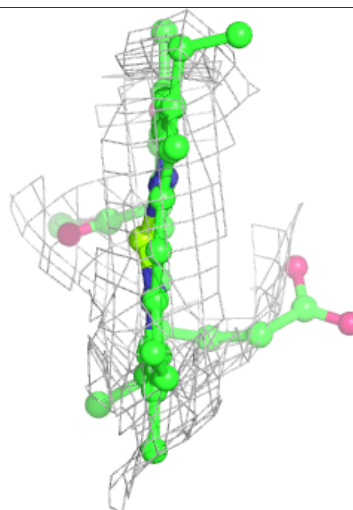
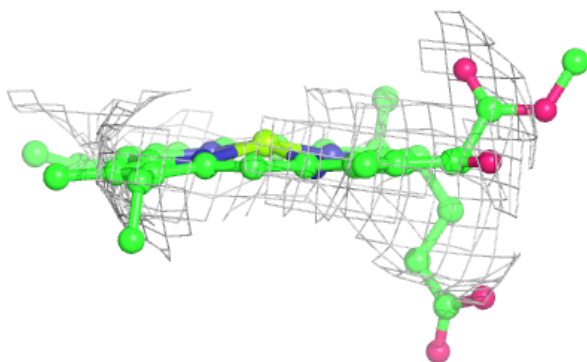
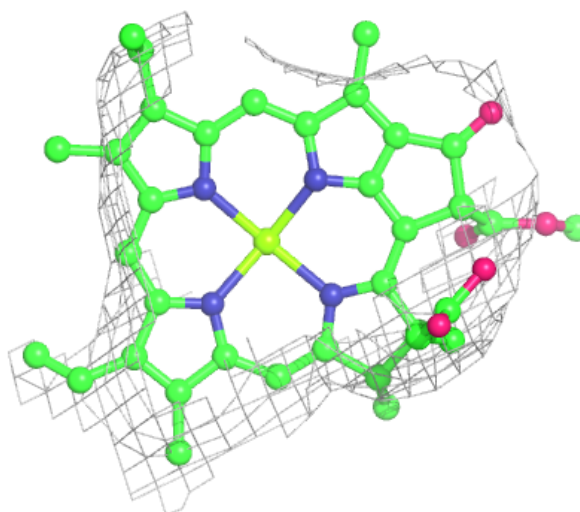
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





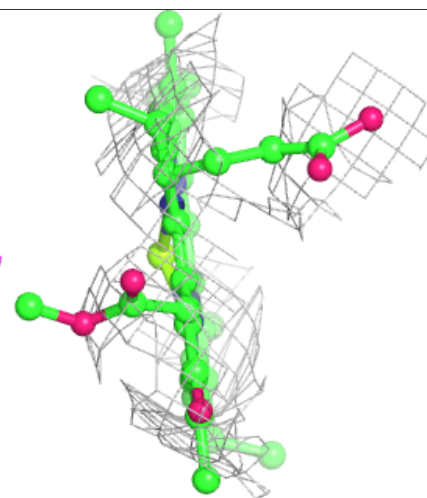
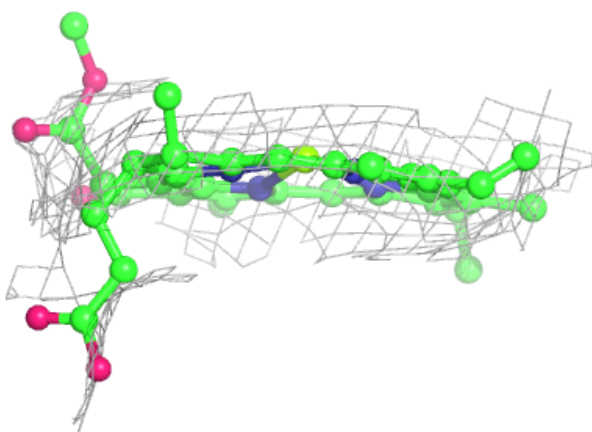
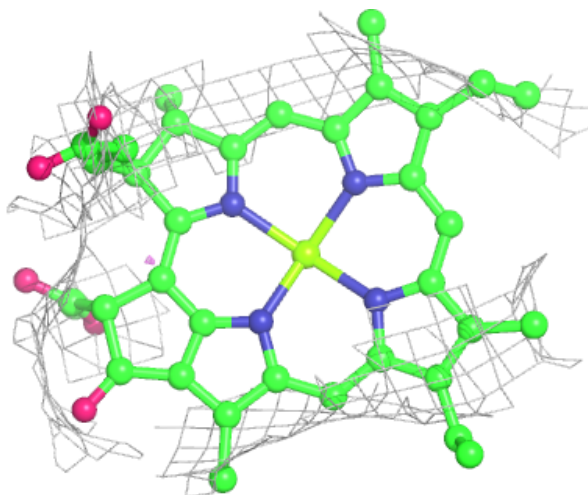
**Electron density around CLA B3 1814:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



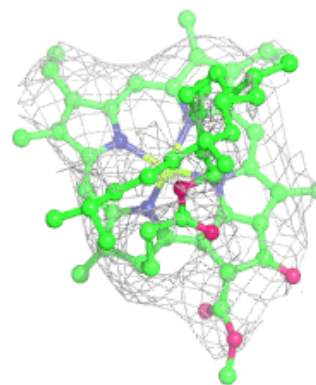
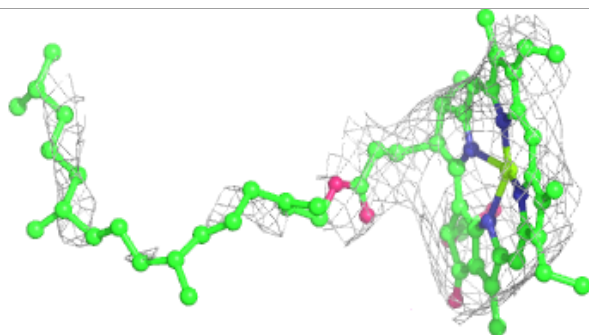
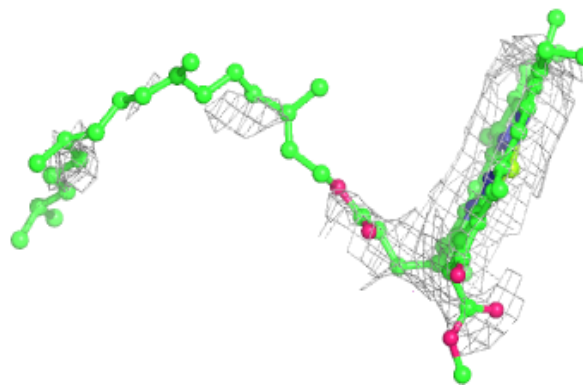
**Electron density around CLA A3 814:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

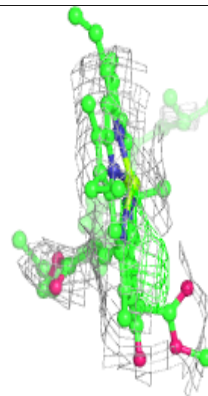
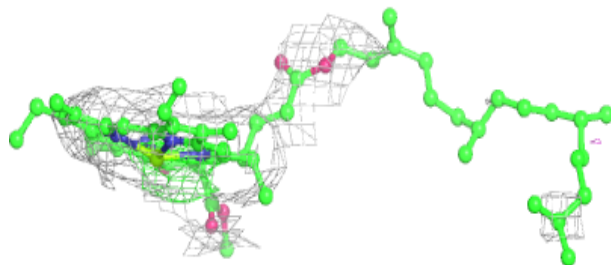
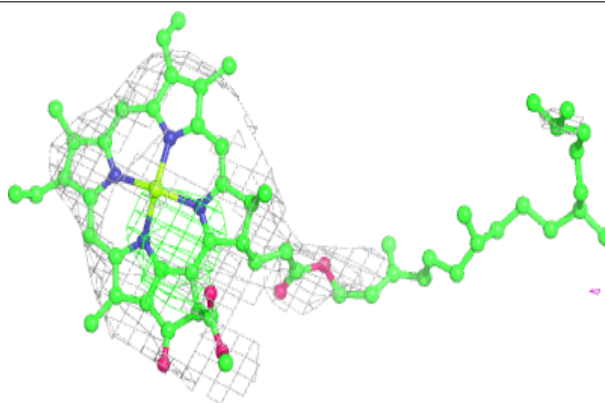


**Electron density around CLA B3 1842:**

$2mF_o-DF_c$  (at 0.7 rnsd) in gray  
 $mF_o-DF_c$  (at 3 rnsd) in purple (negative)  
and green (positive)

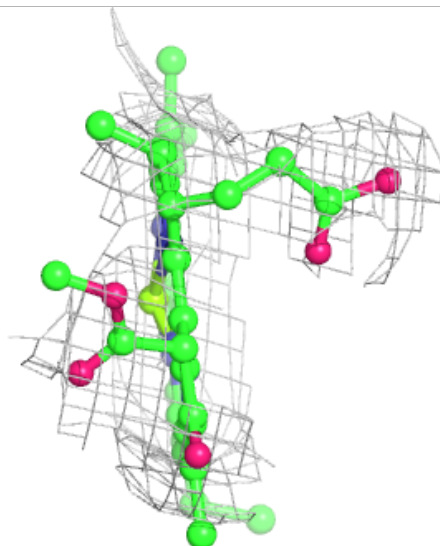
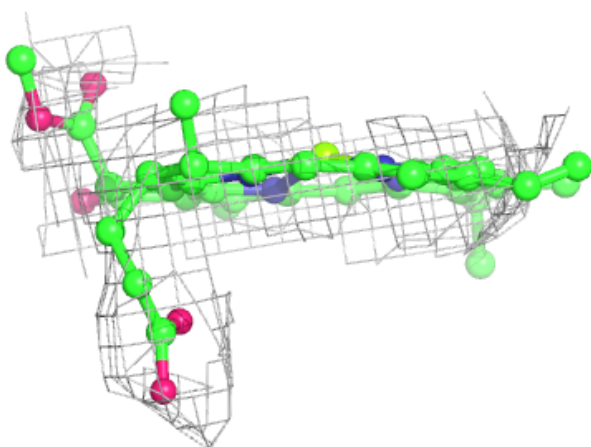
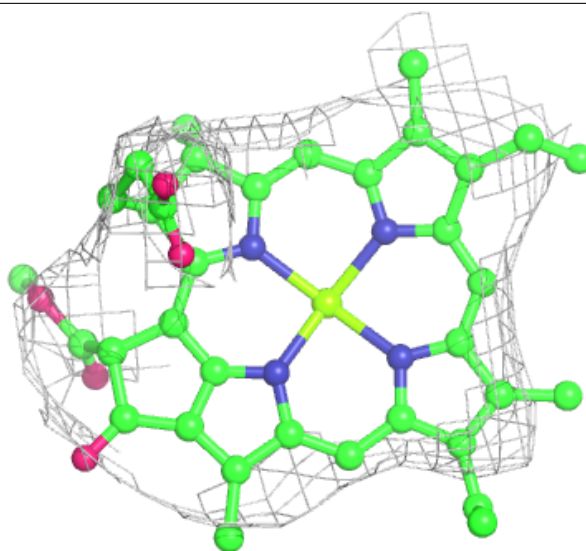
**Electron density around CLA A6 1626:**

$2mF_o-DF_c$  (at 0.7 rnsd) in gray  
 $mF_o-DF_c$  (at 3 rnsd) in purple (negative)  
and green (positive)



**Electron density around CLA A6 1635:**

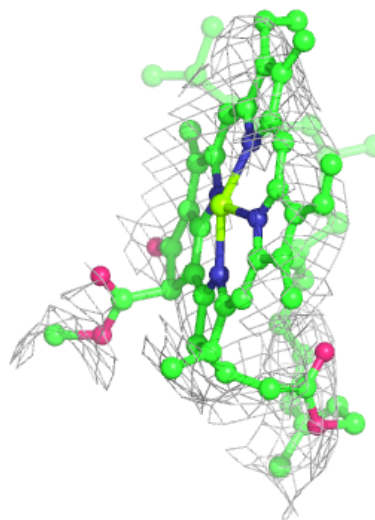
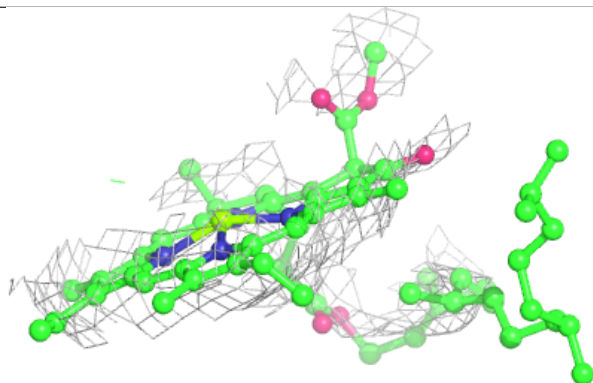
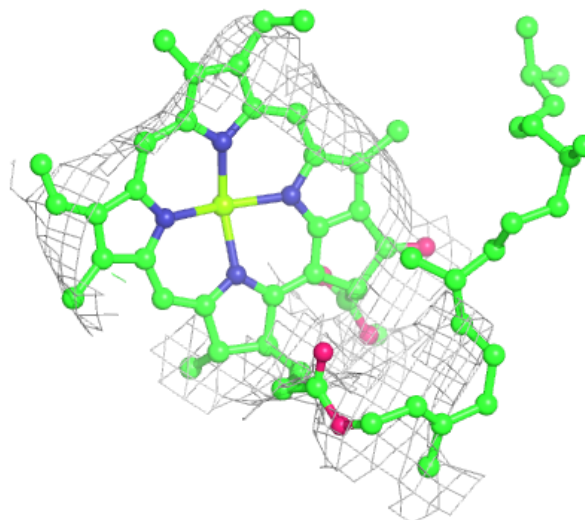
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





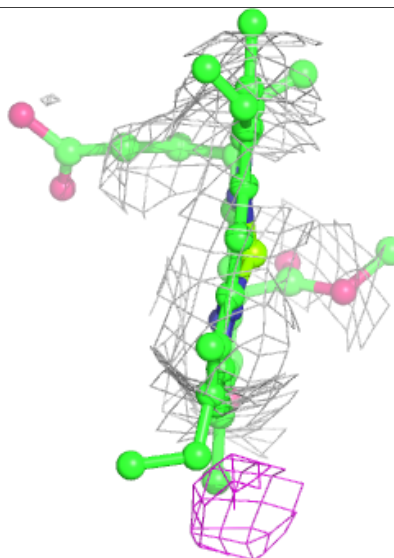
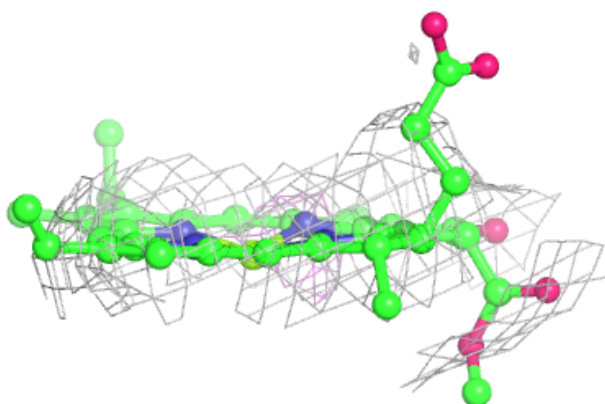
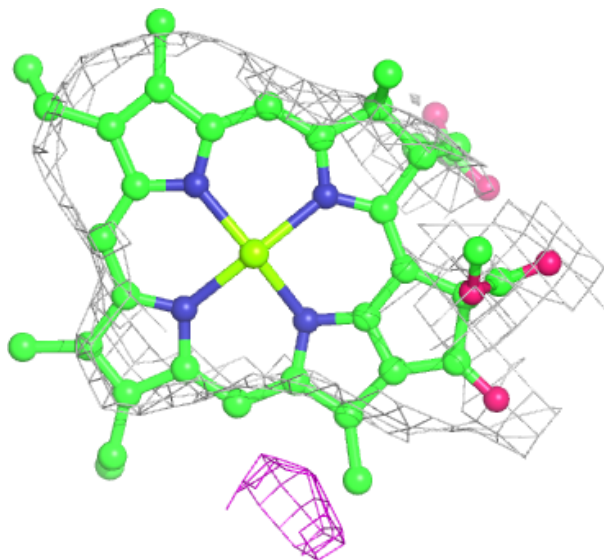
**Electron density around CLA B4 834:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



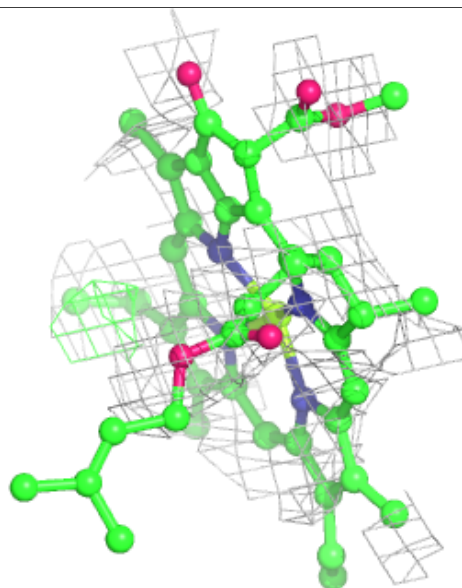
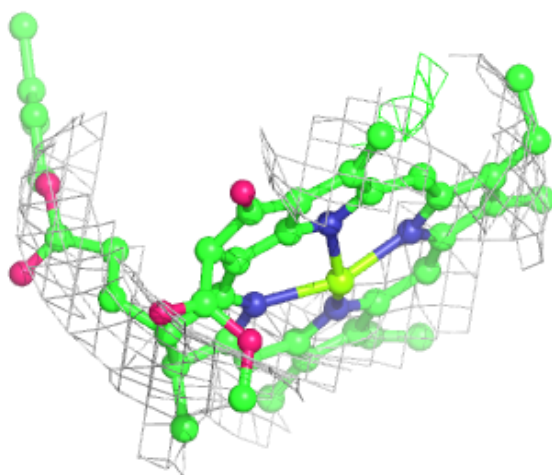
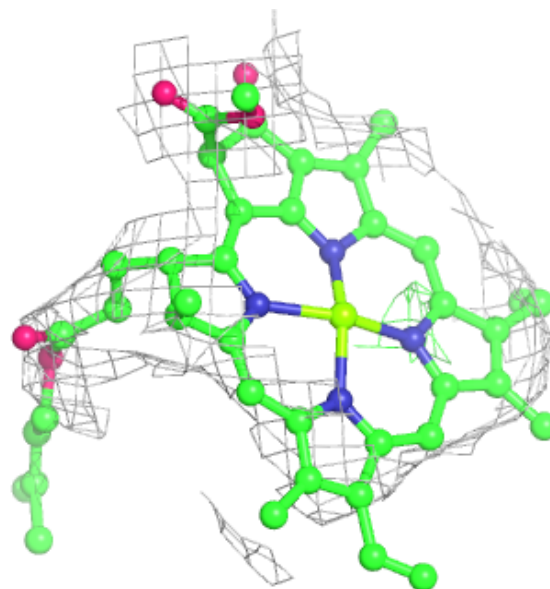
**Electron density around CLA A3 815:**

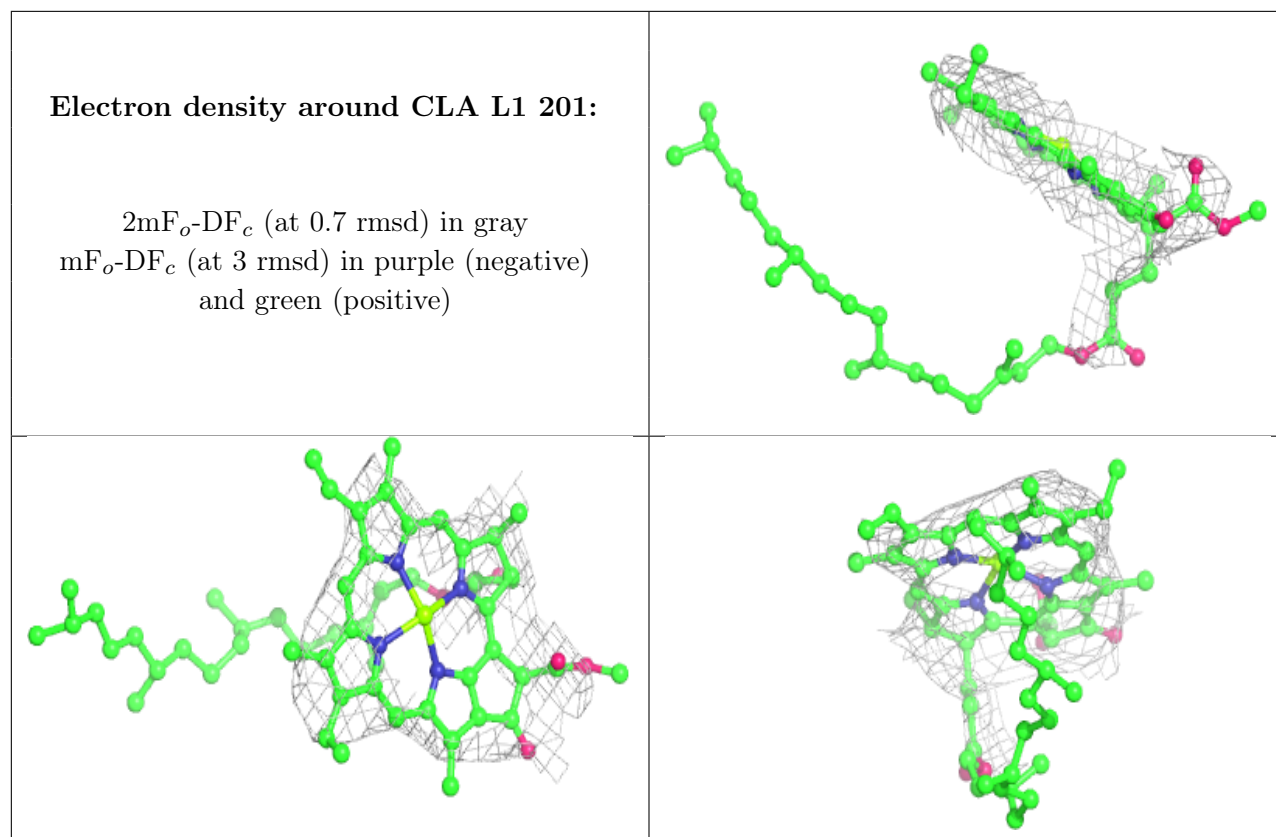
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A1 830:**

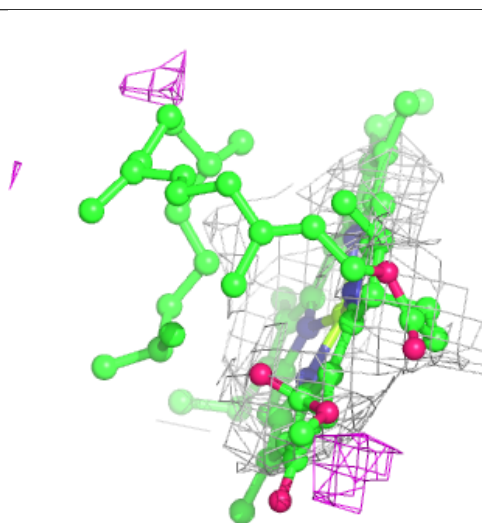
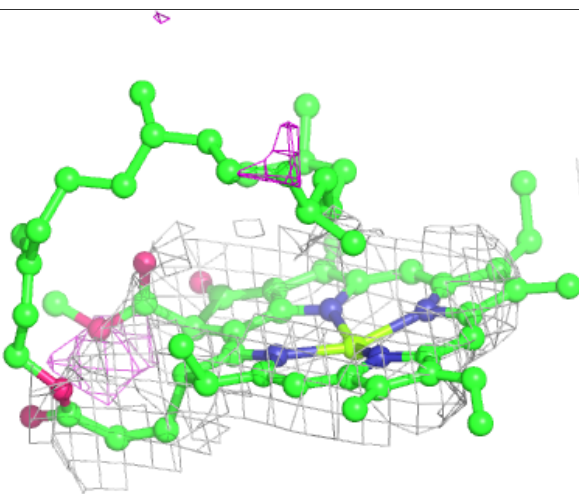
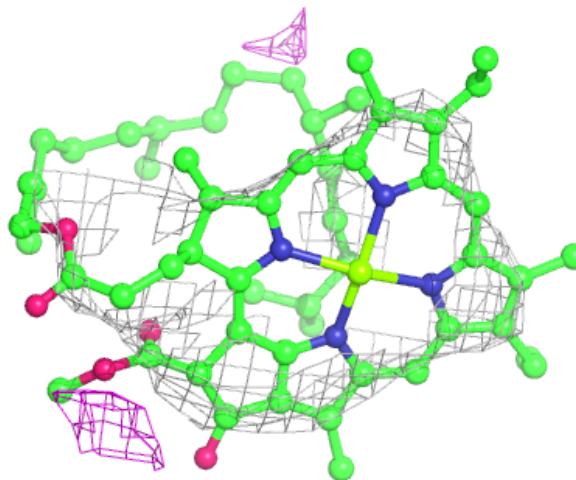
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





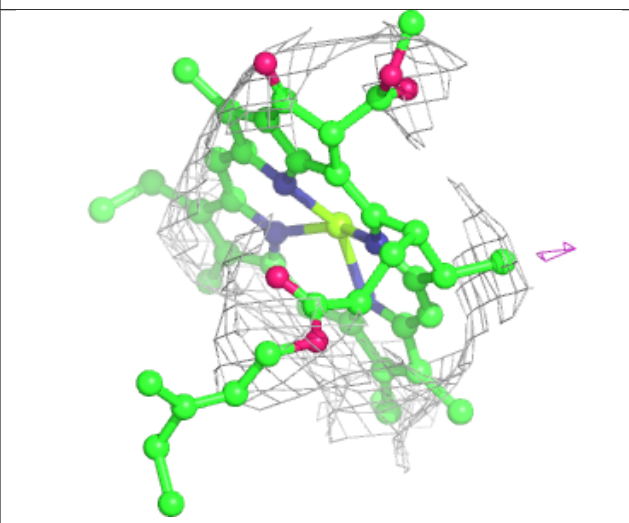
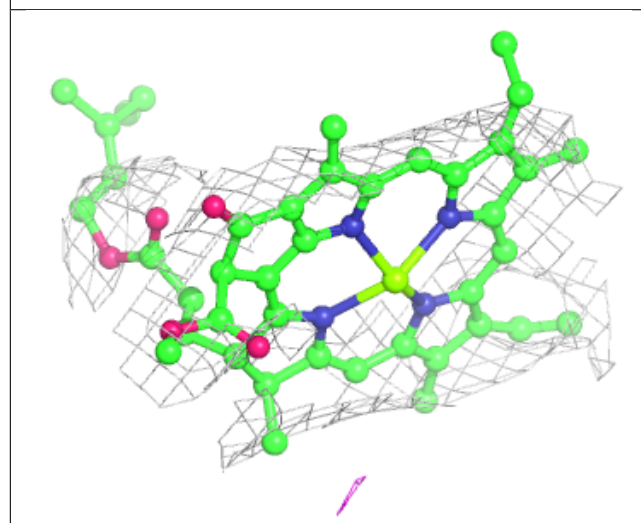
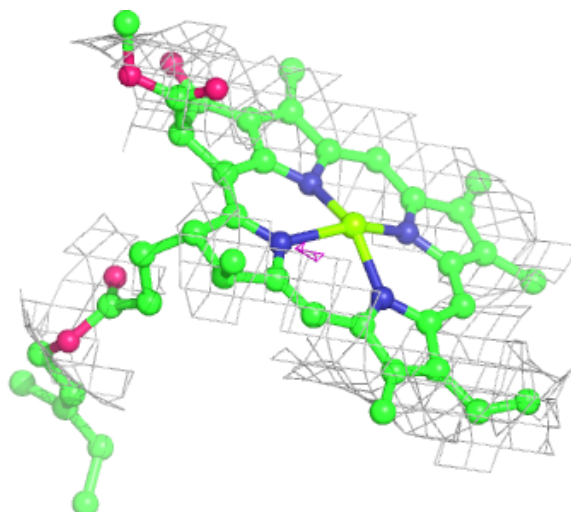
**Electron density around CLA A5 806:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



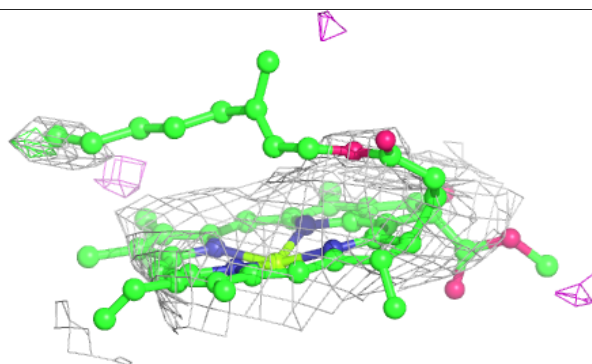
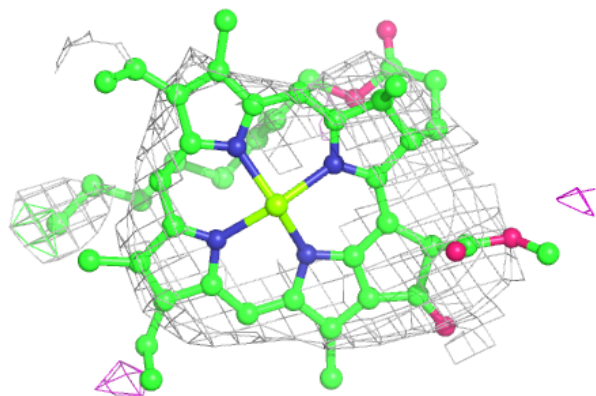
**Electron density around CLA A5 807:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

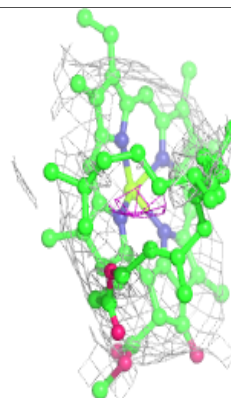
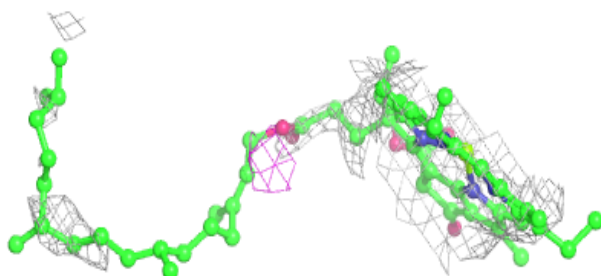
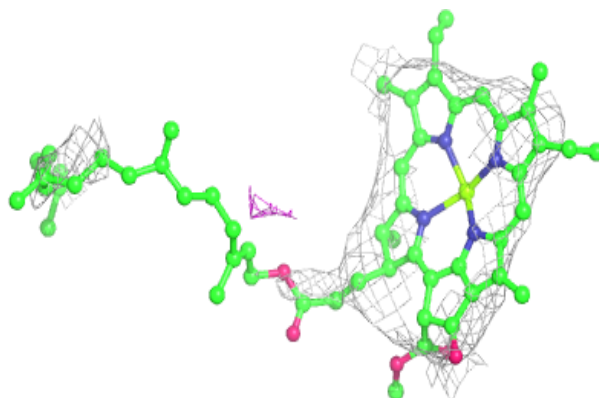


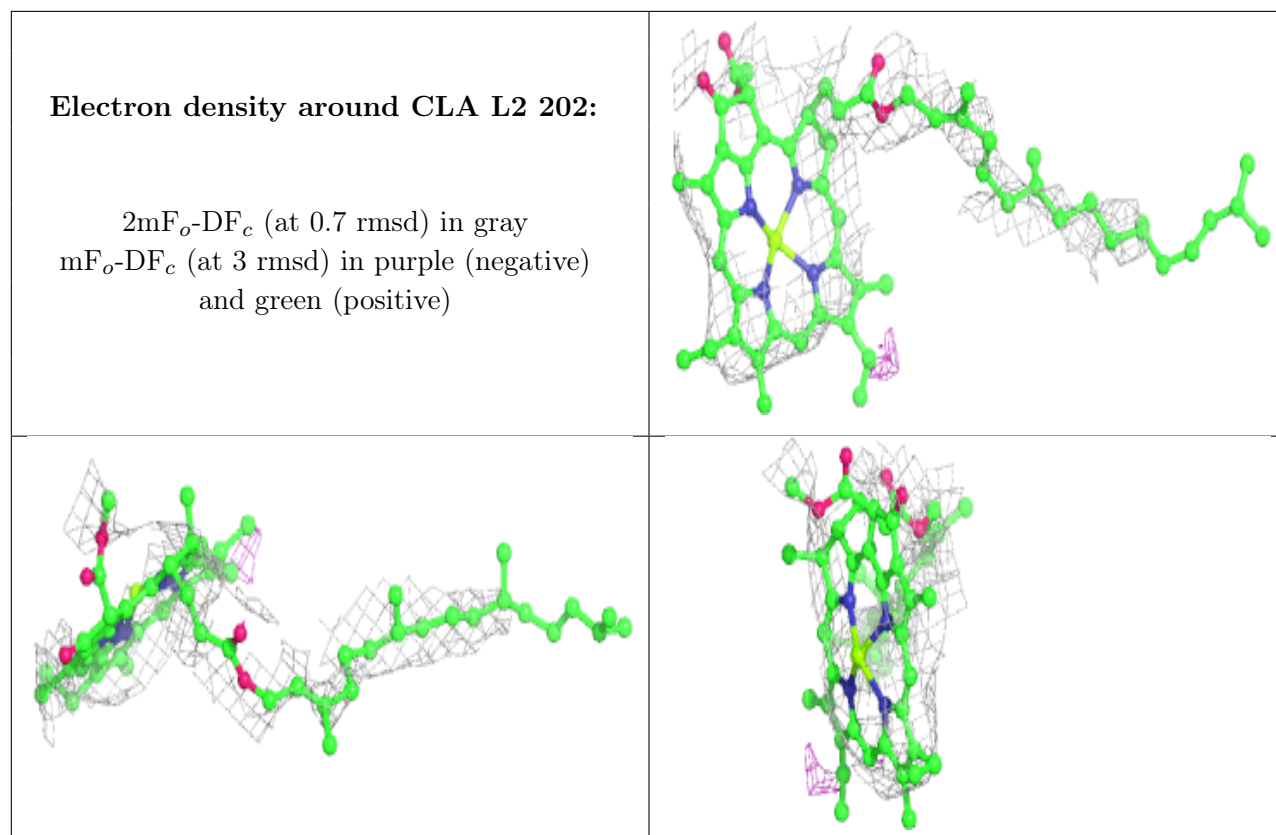
**Electron density around CLA A3 818:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B6 809:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

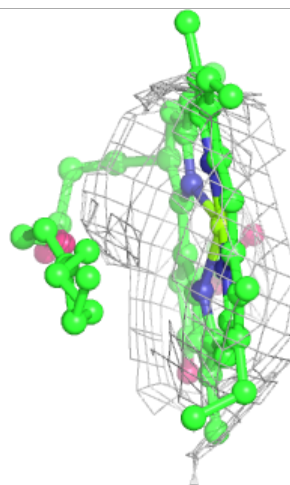
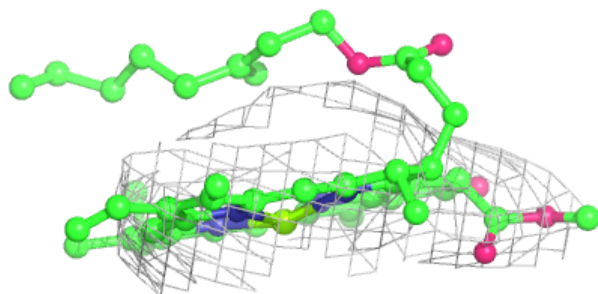
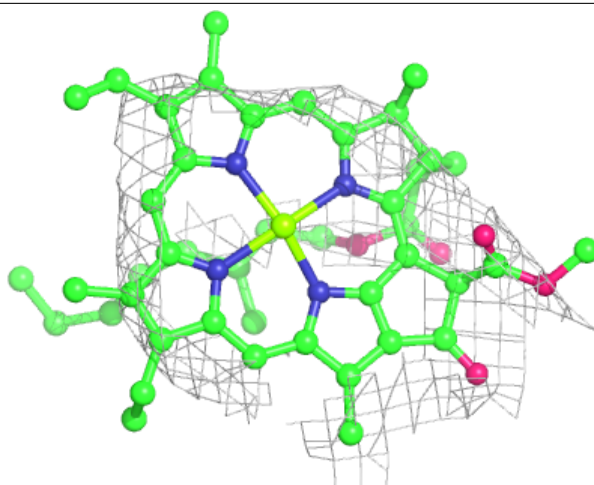






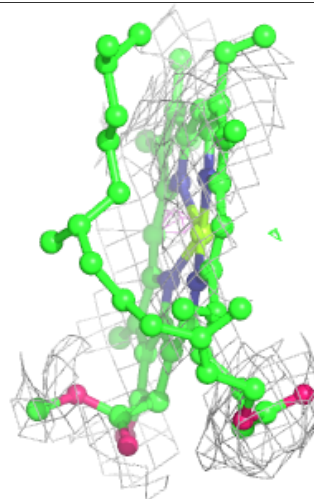
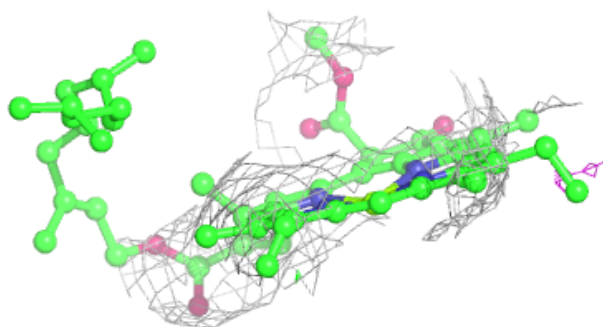
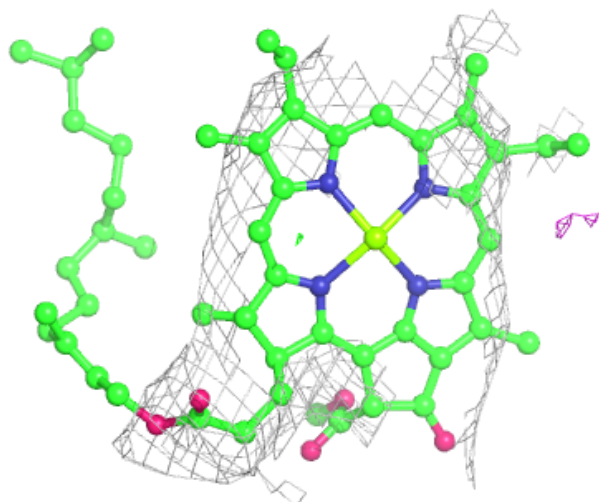
**Electron density around CLA A5 812:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



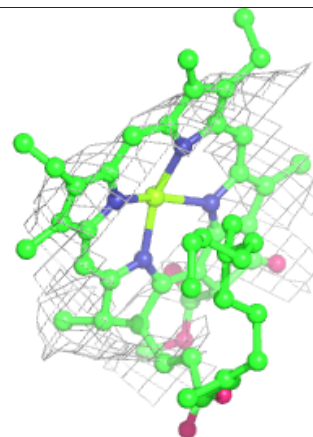
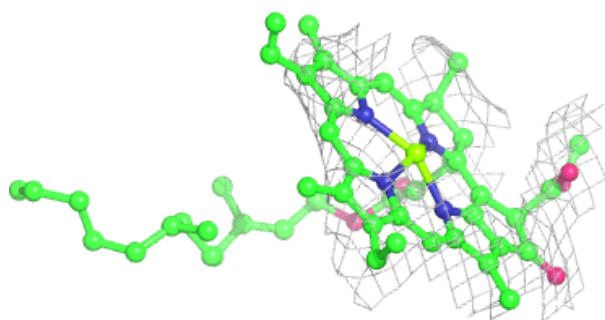
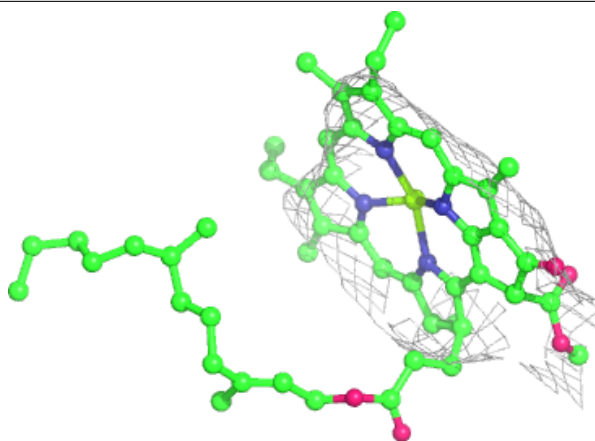
**Electron density around CLA A5 813:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

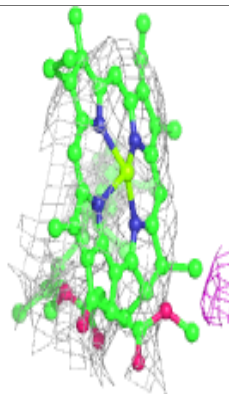
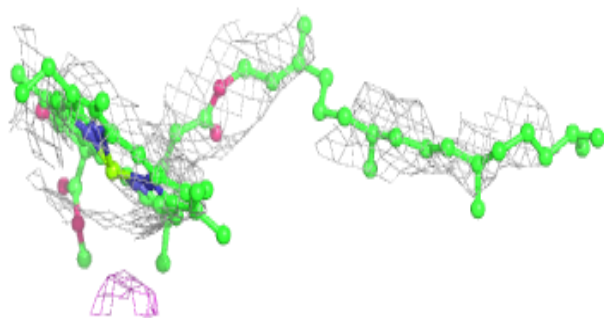
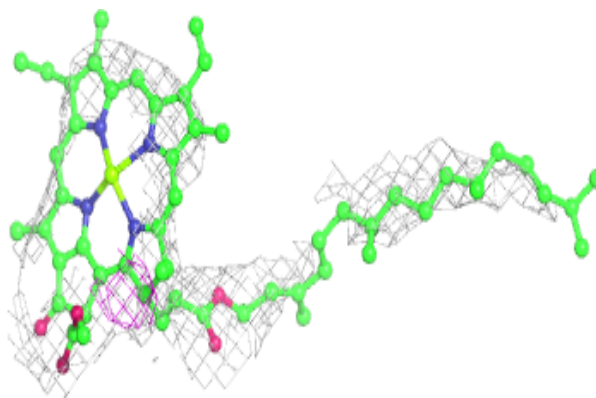


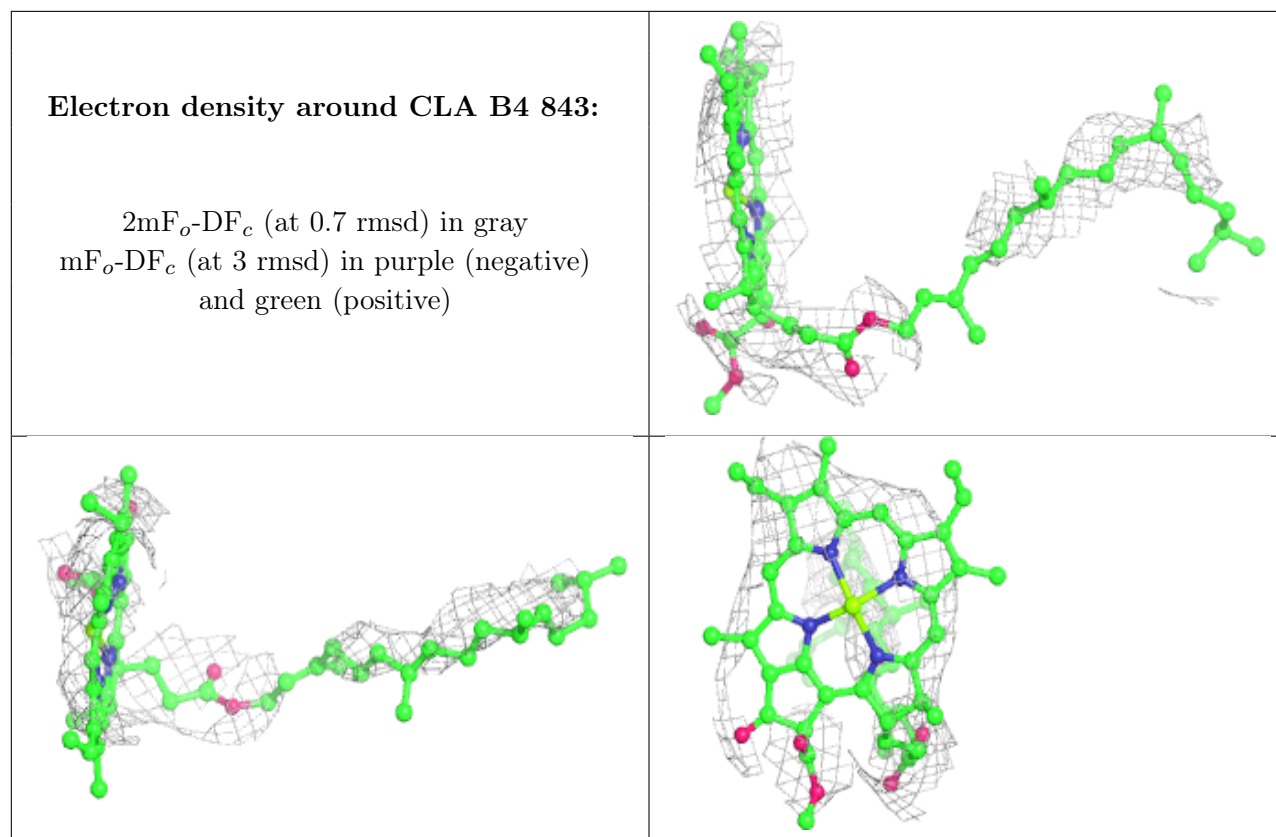
**Electron density around CLA A4 823:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA L1 202:**

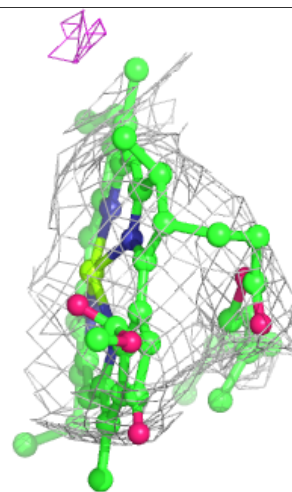
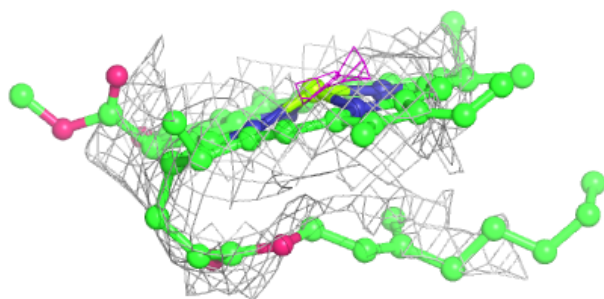
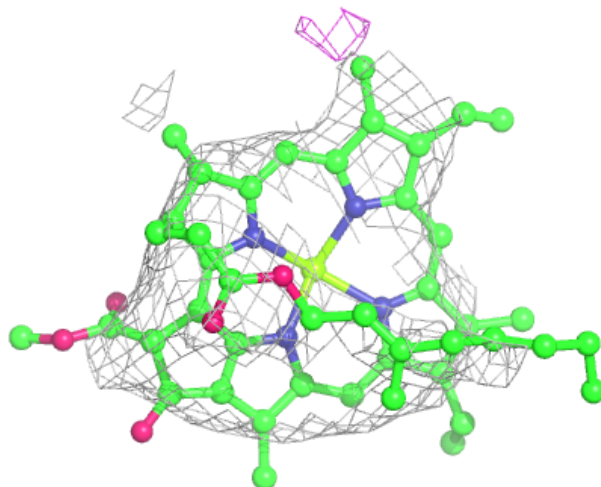
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





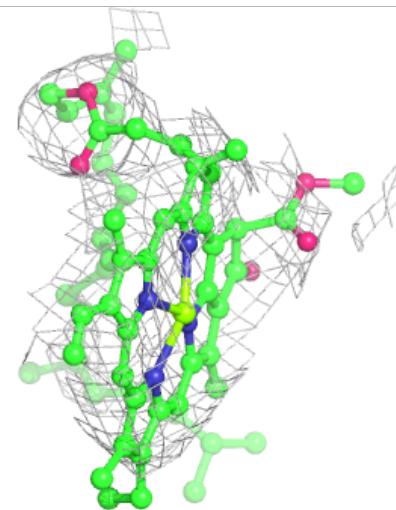
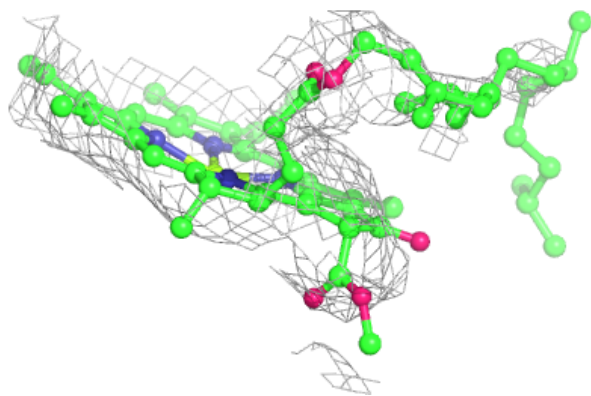
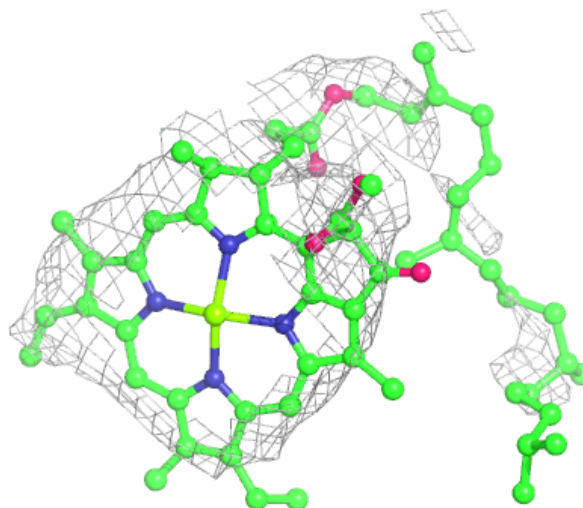
**Electron density around CLA A5 817:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



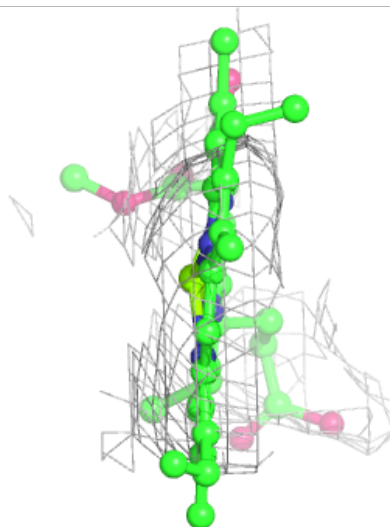
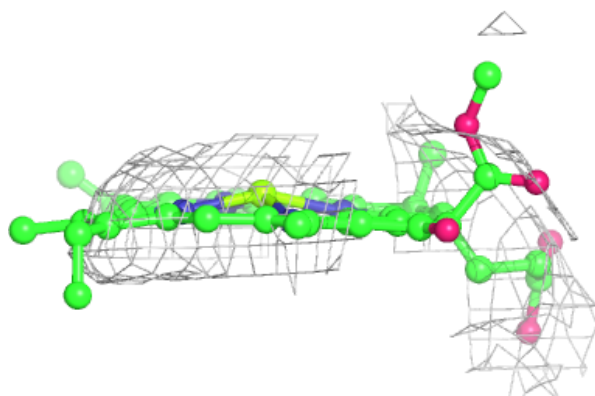
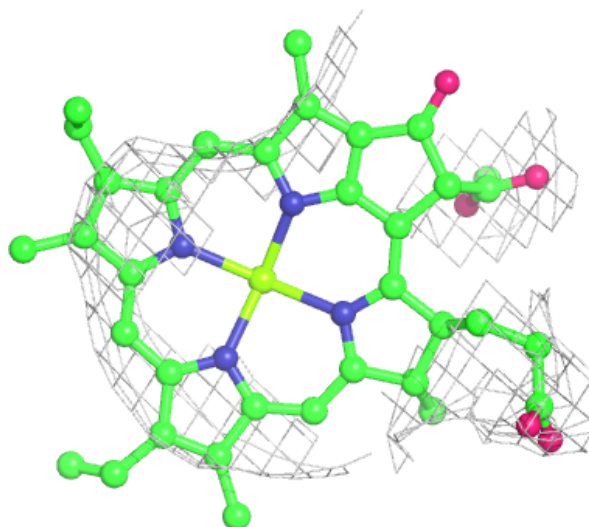
**Electron density around CLA B2 831:**

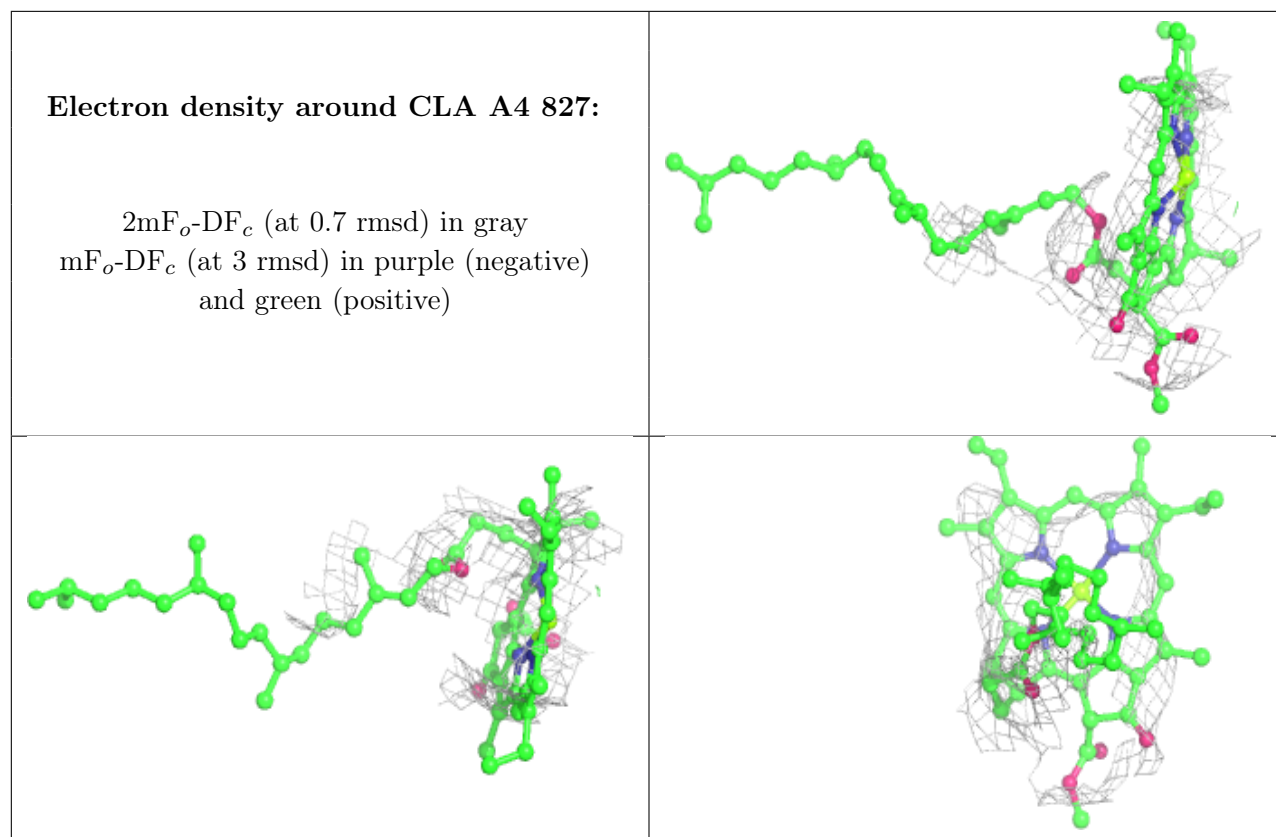
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA X2 1701:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

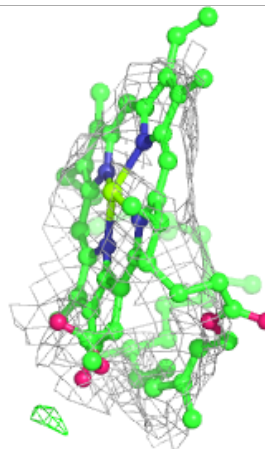
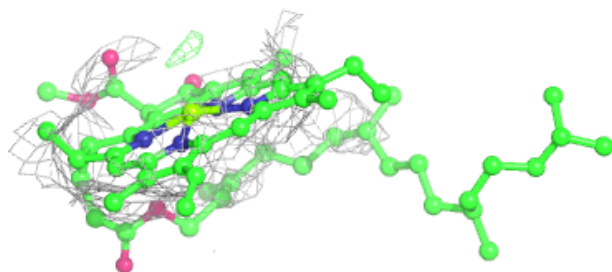
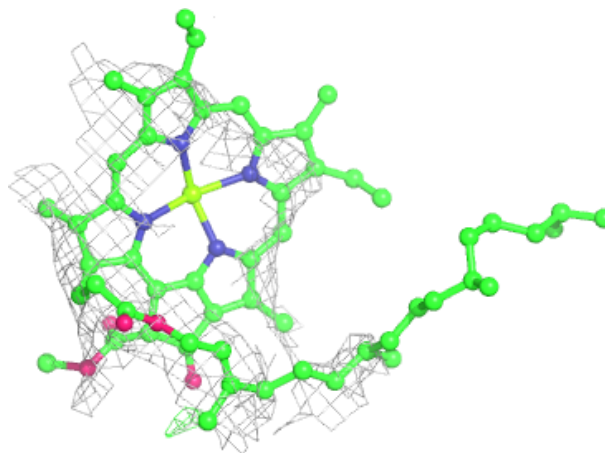






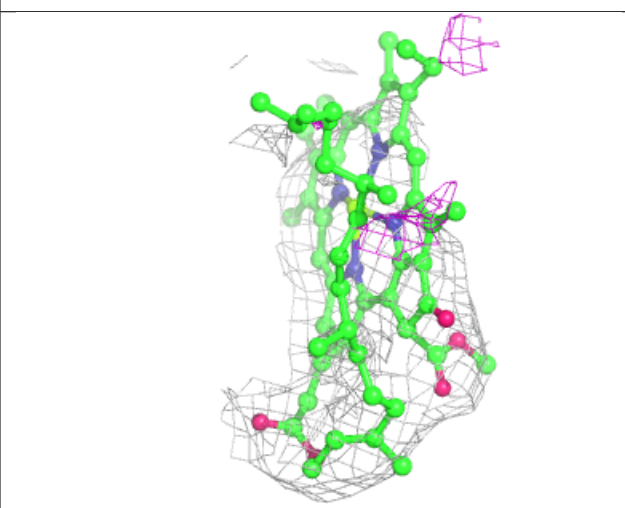
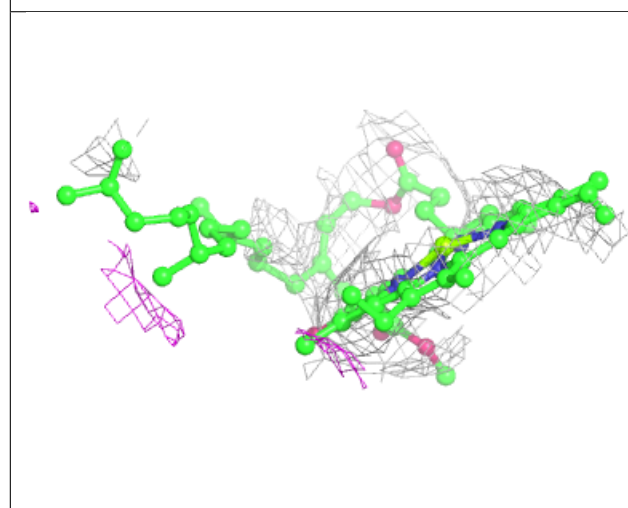
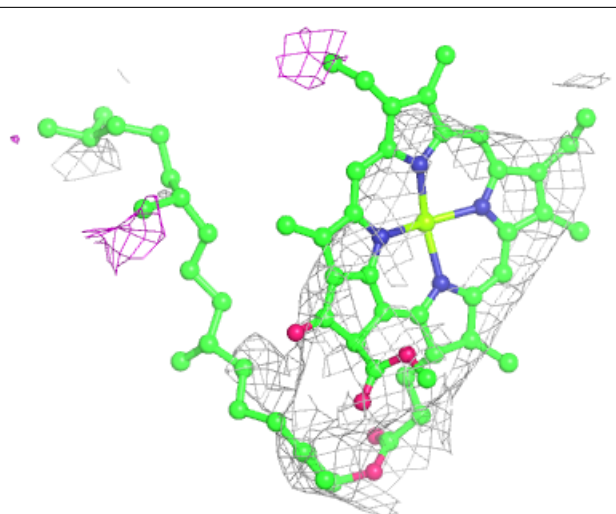
**Electron density around CLA A4 828:**

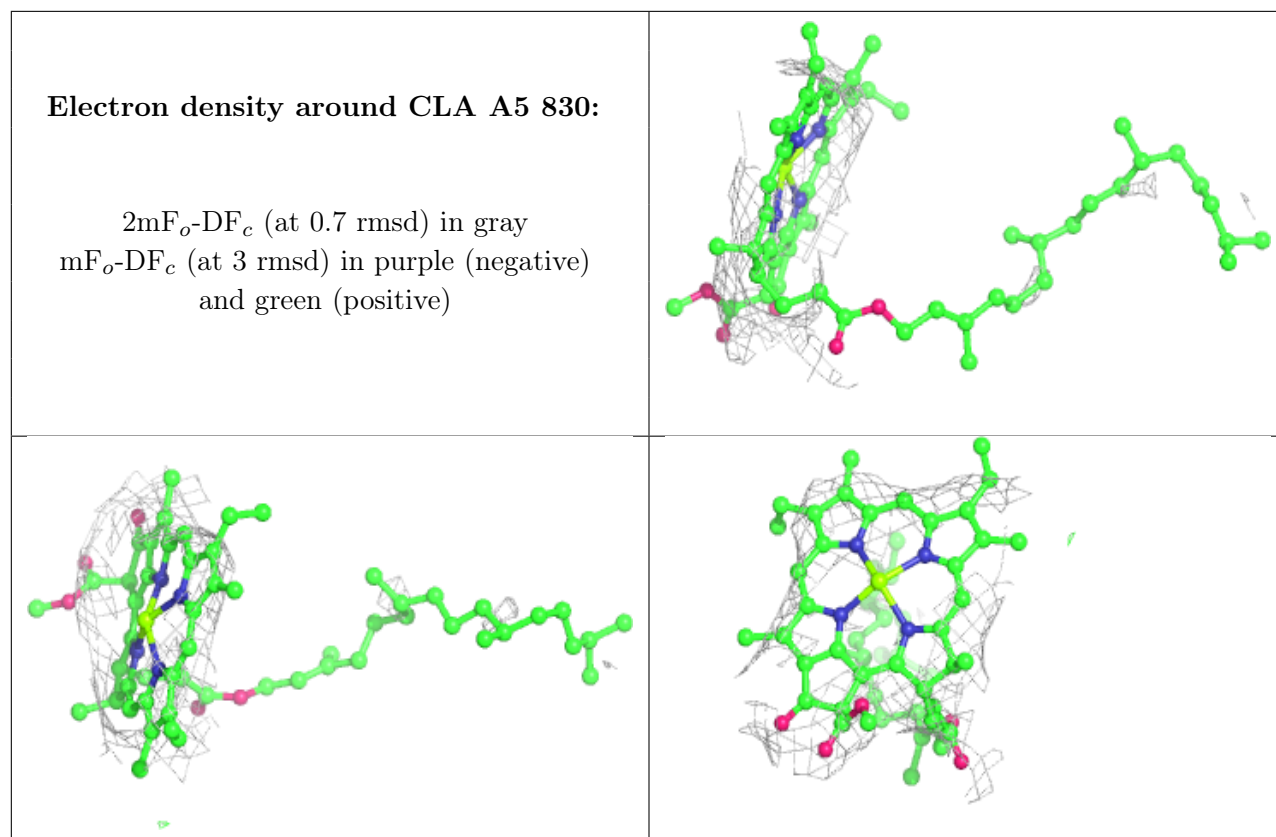
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A3 825:**

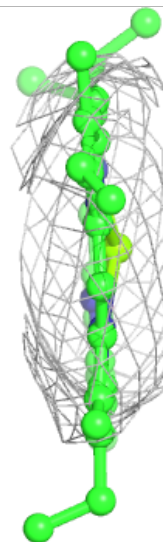
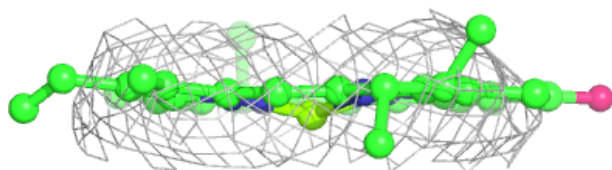
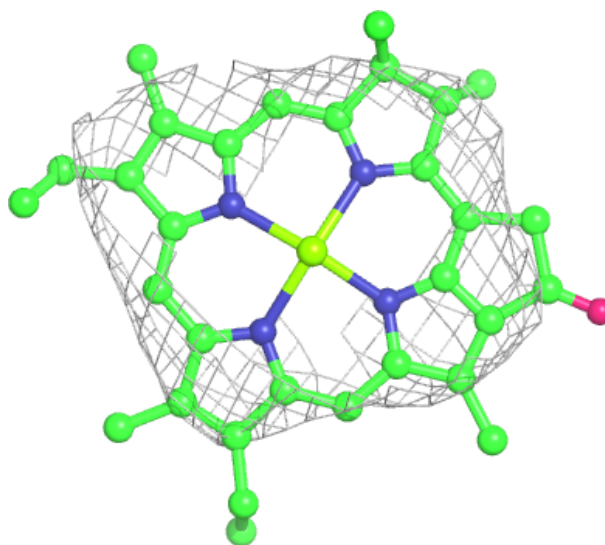
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





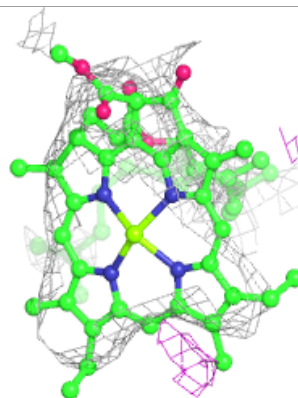
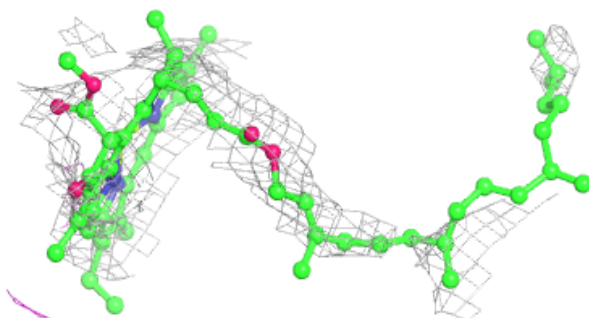
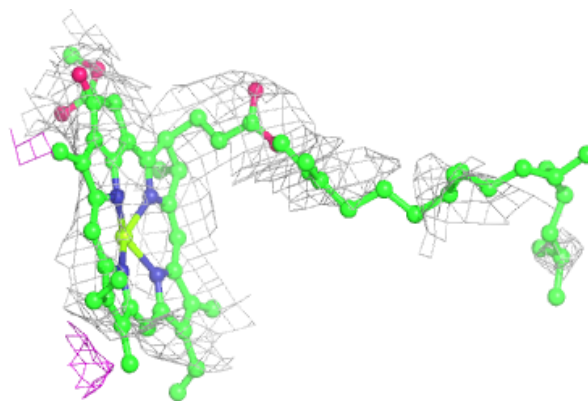
**Electron density around CLA J5 102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

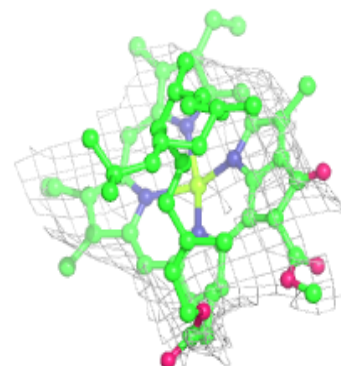
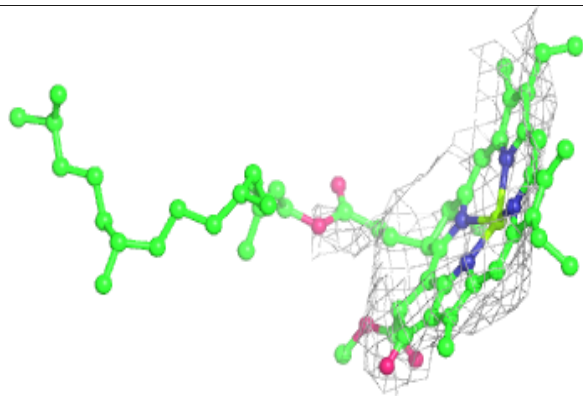
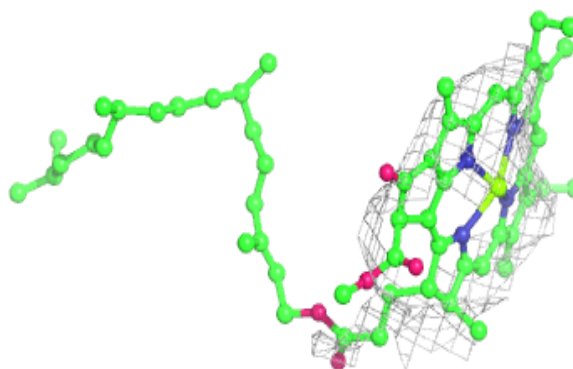


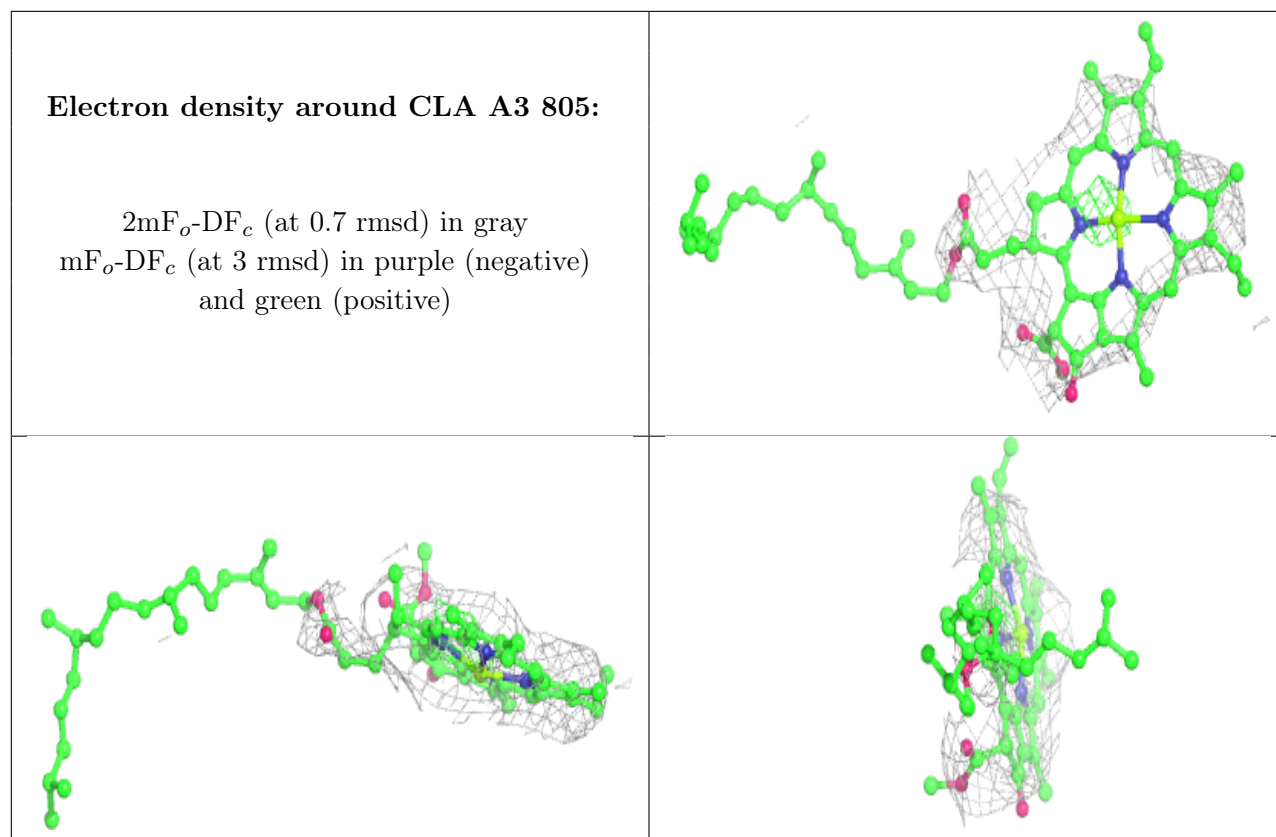
**Electron density around CLA L1 206:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B1 804:**

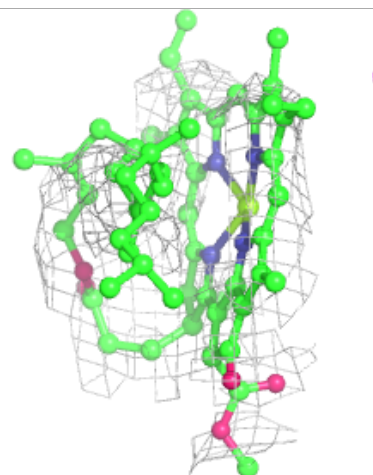
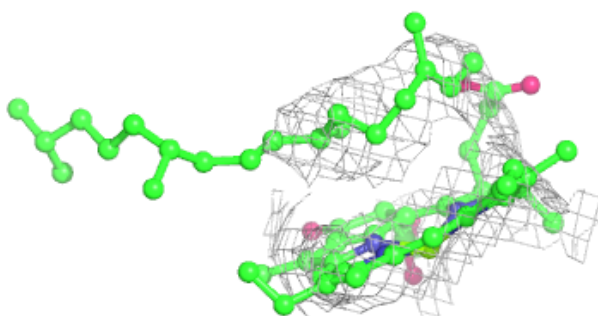
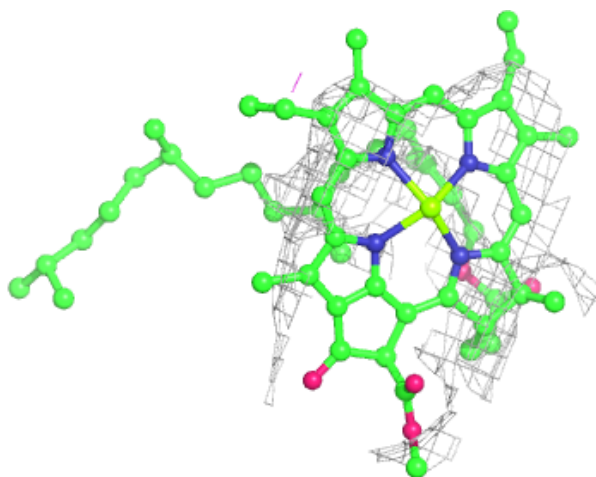
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





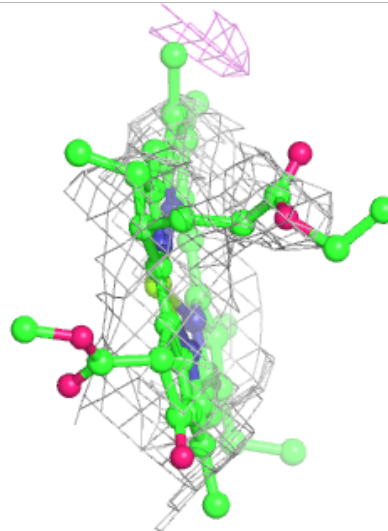
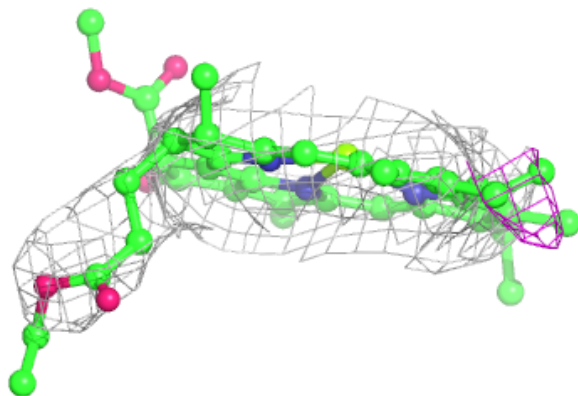
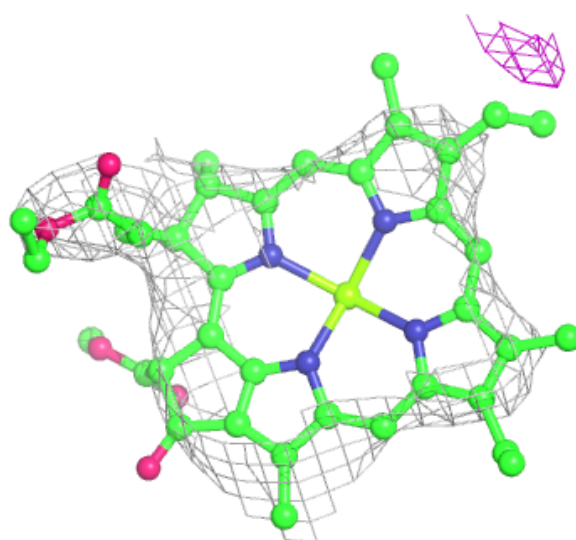
**Electron density around CLA B3 1829:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

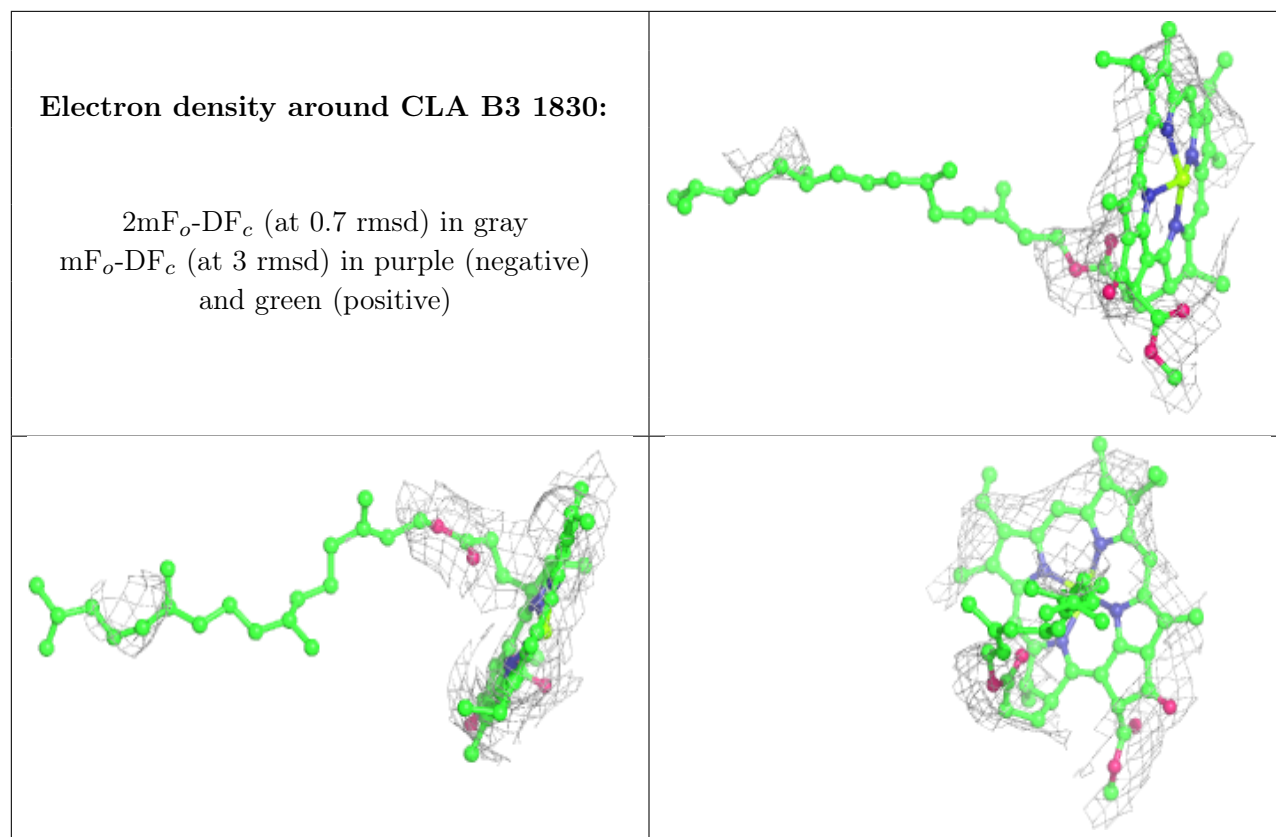


**Electron density around CLA A5 838:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

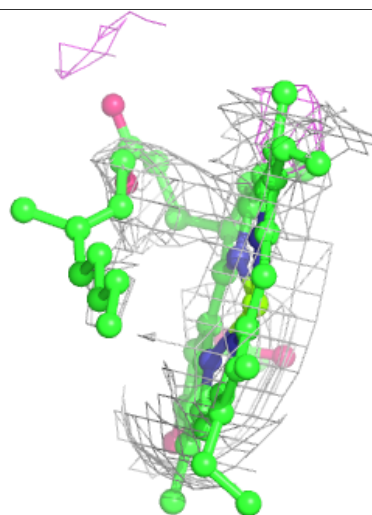
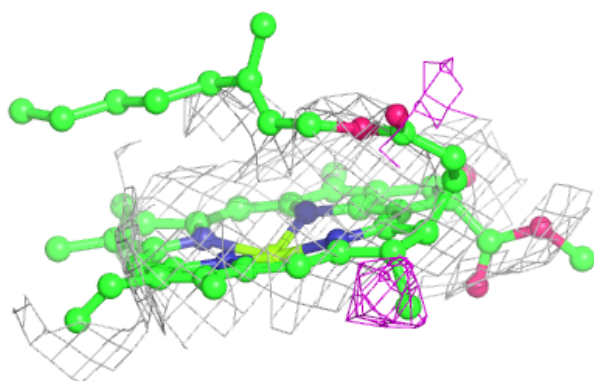
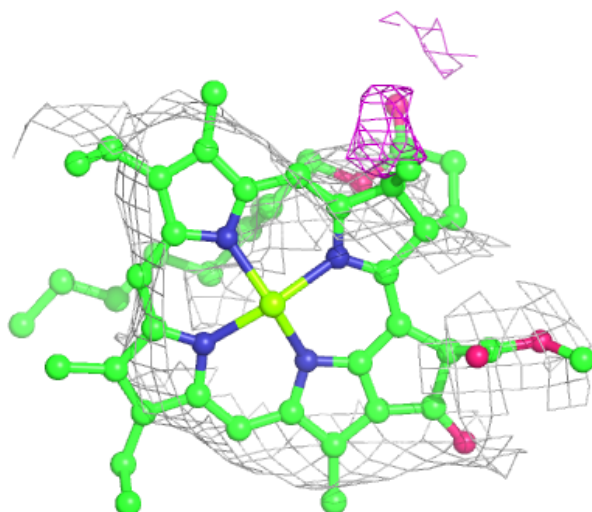






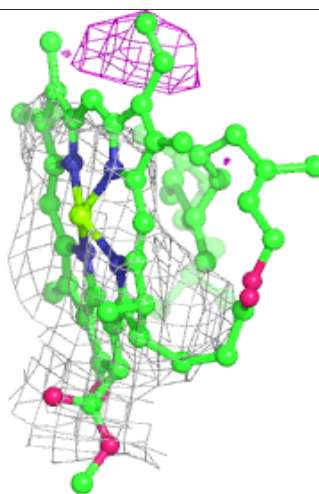
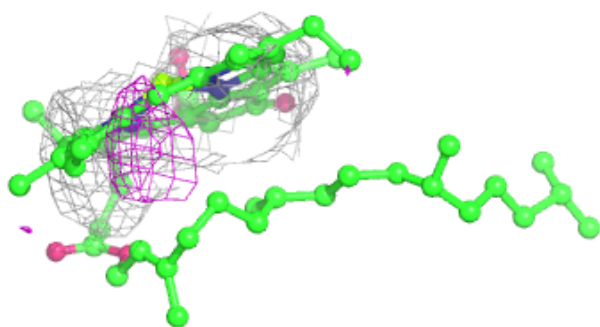
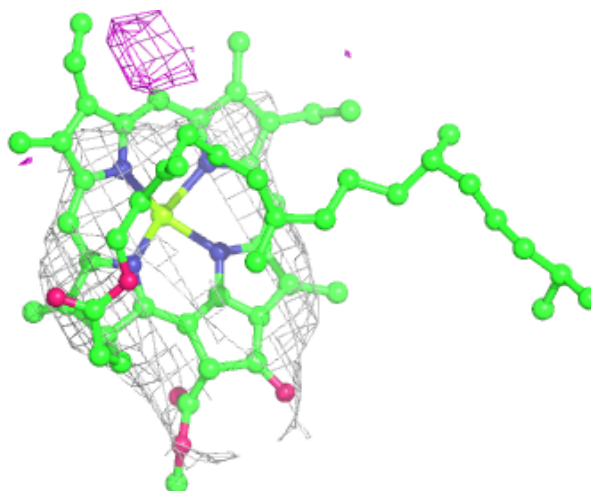
**Electron density around CLA A1 817:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



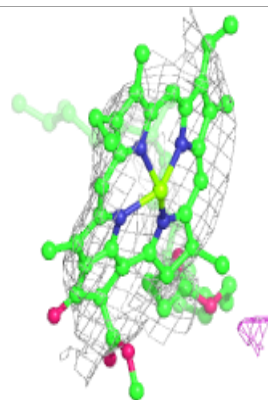
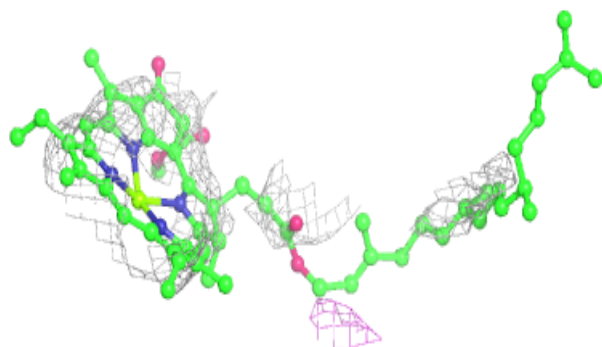
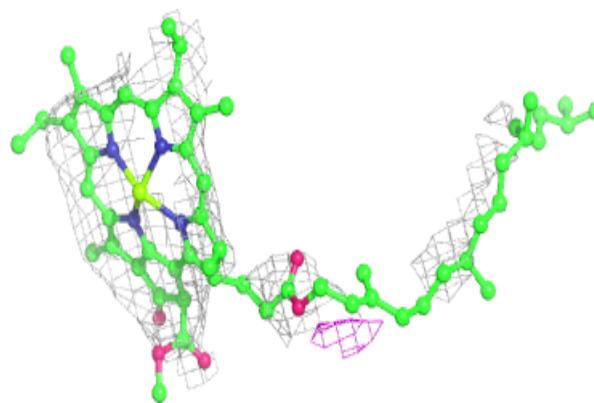
**Electron density around CLA B6 827:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

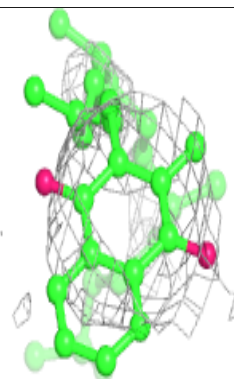
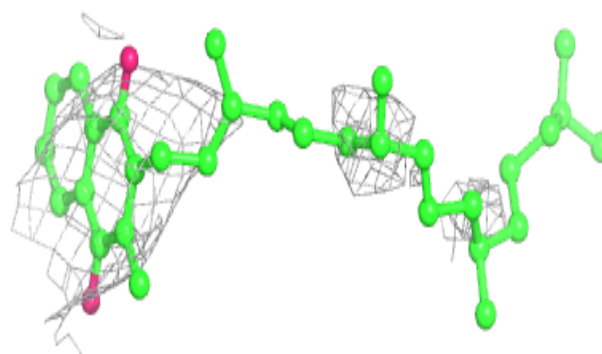
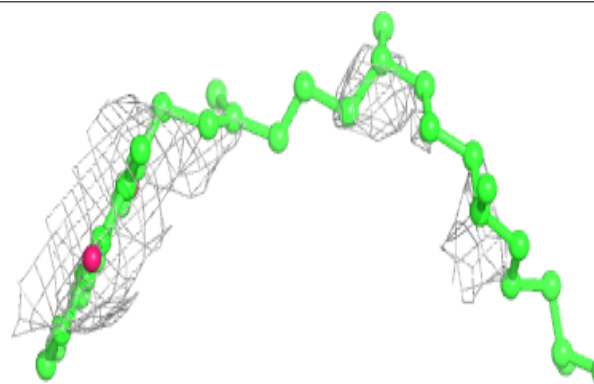


**Electron density around CLA B3 1804:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

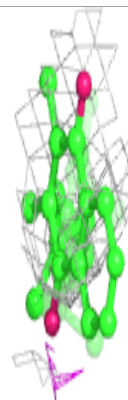
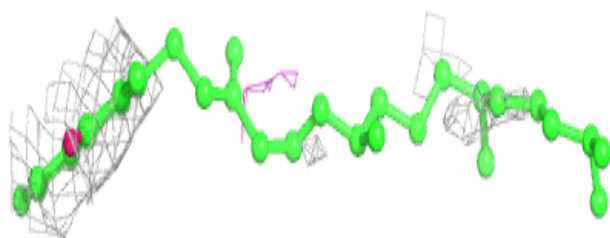
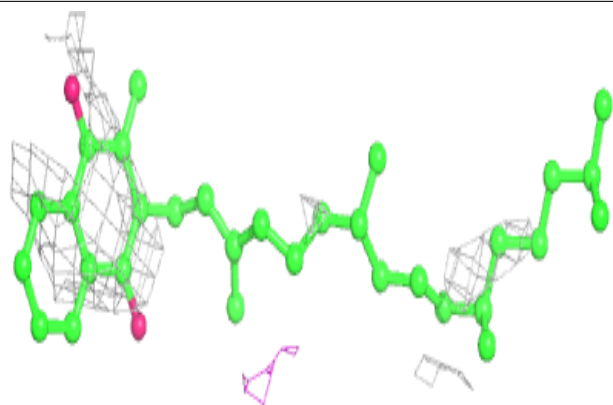
**Electron density around PQN B2 841:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

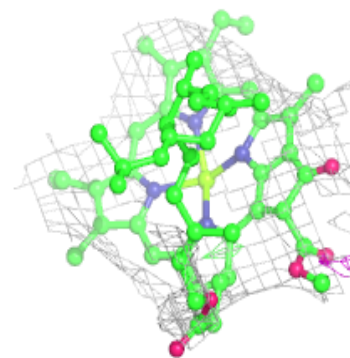
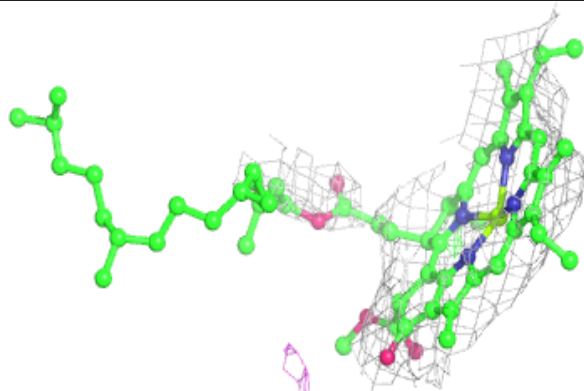
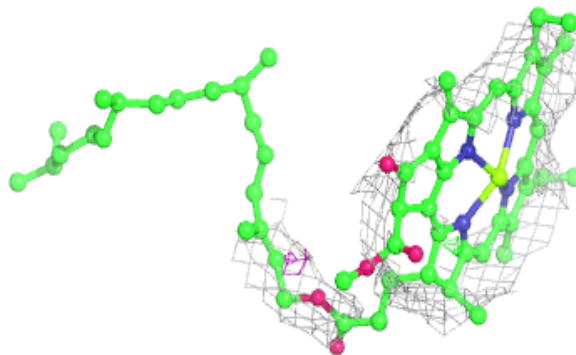


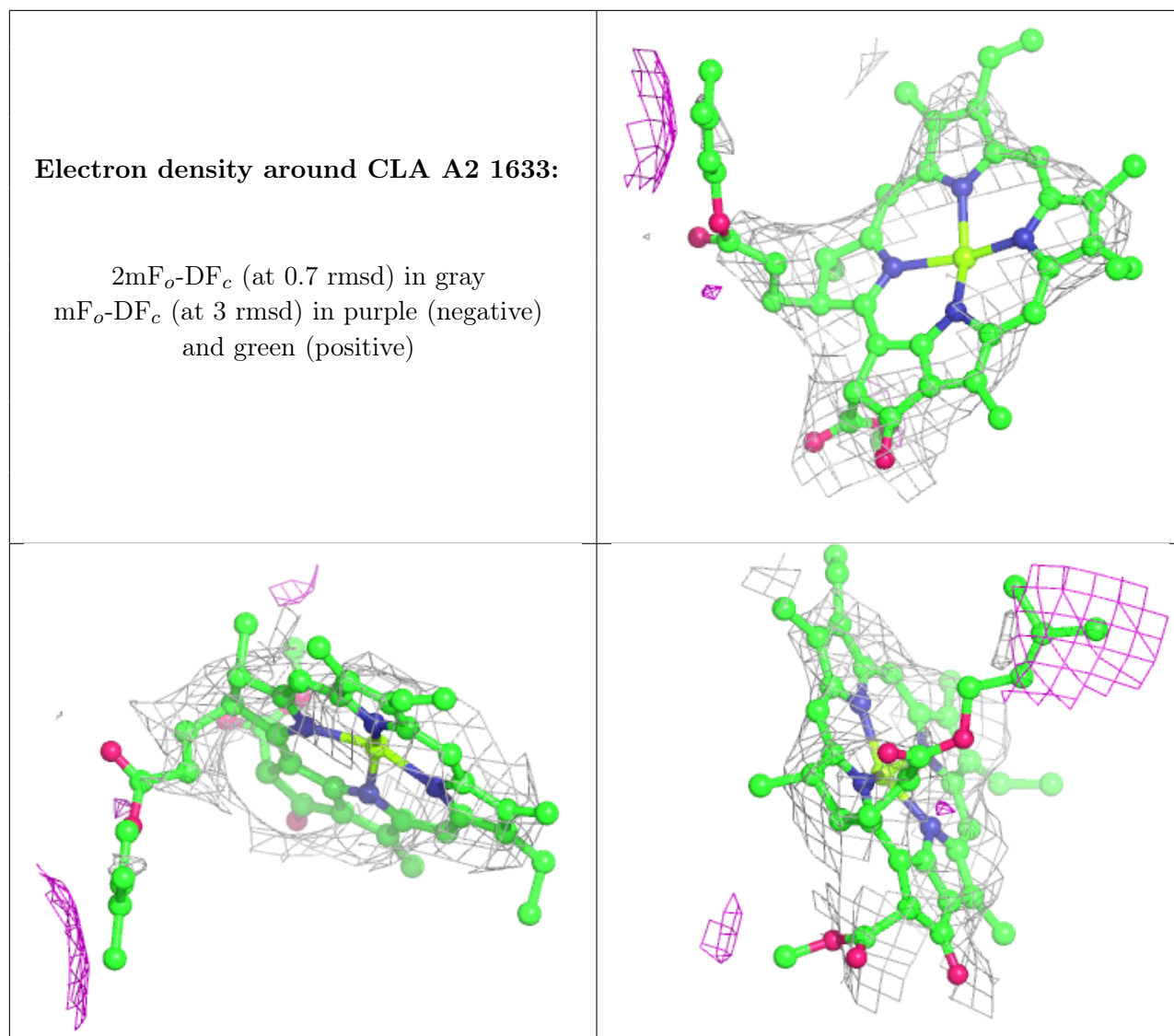
**Electron density around PQN A3 846:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B5 1803:**

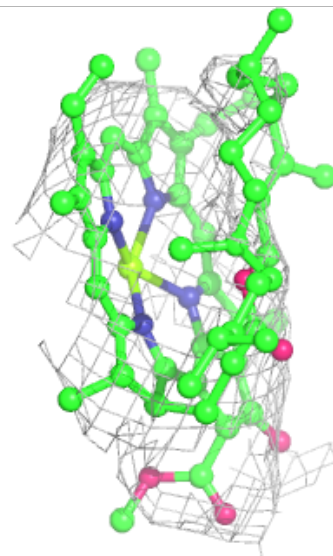
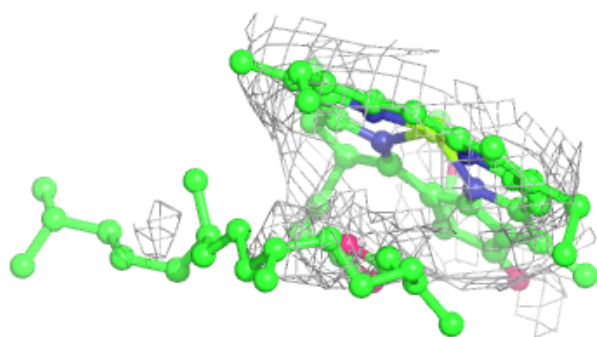
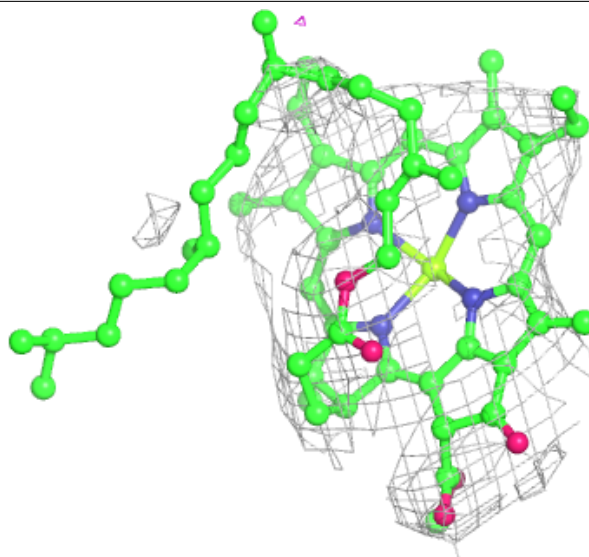
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

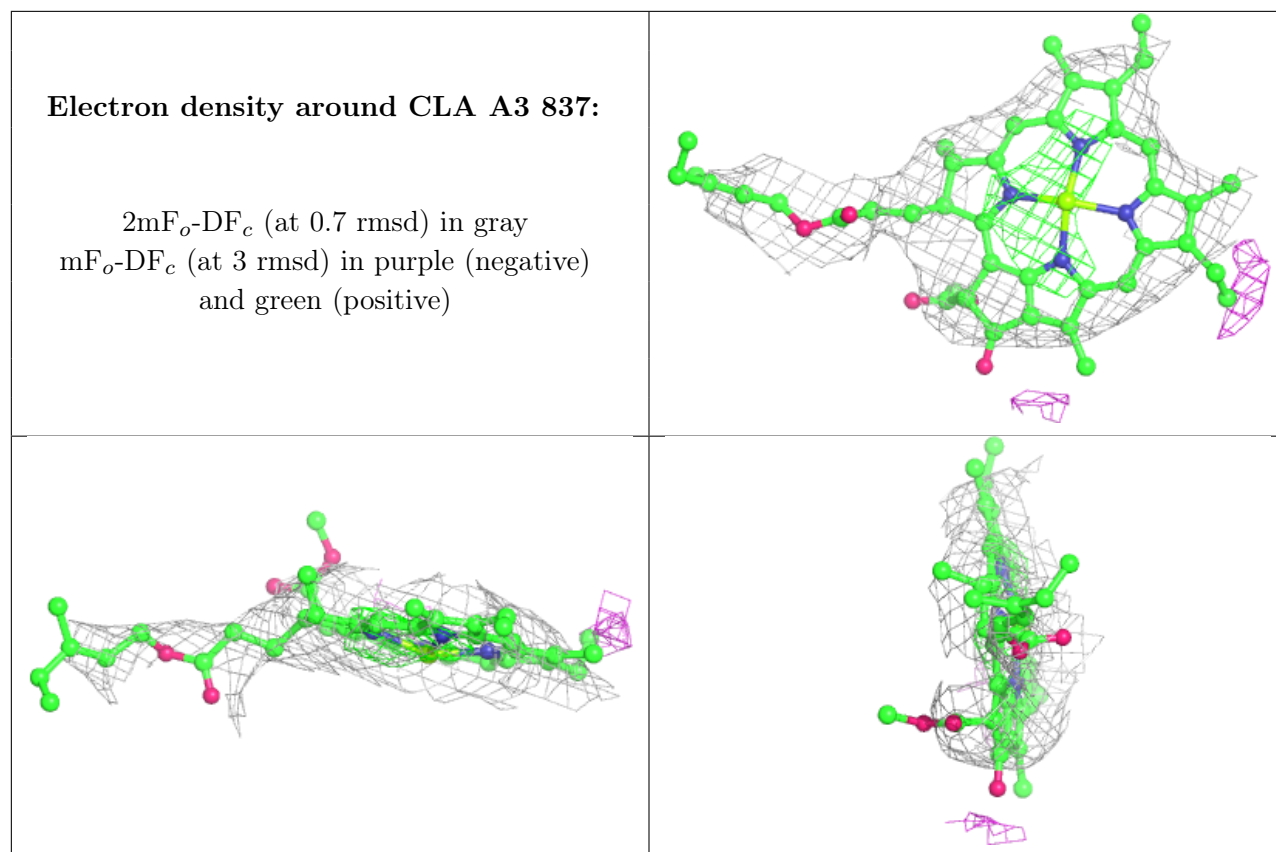




**Electron density around CLA B5 1810:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

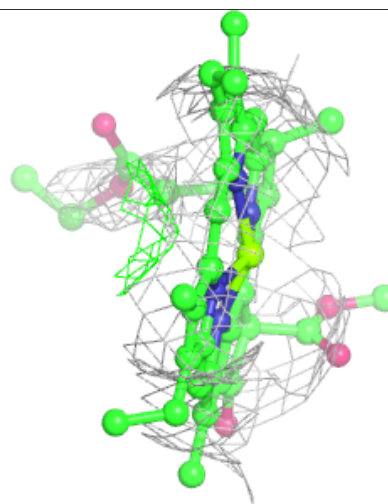
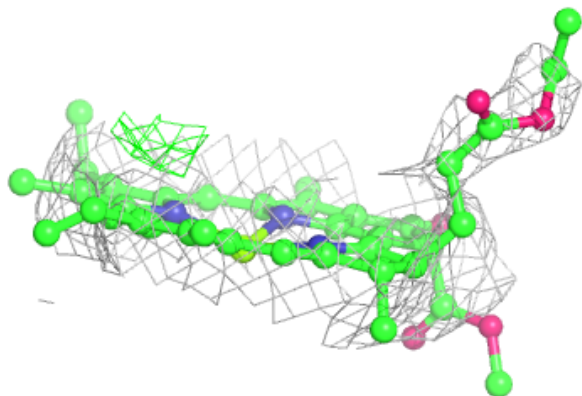
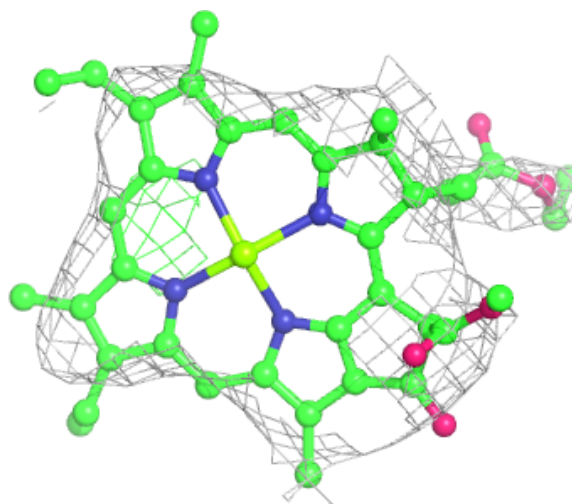






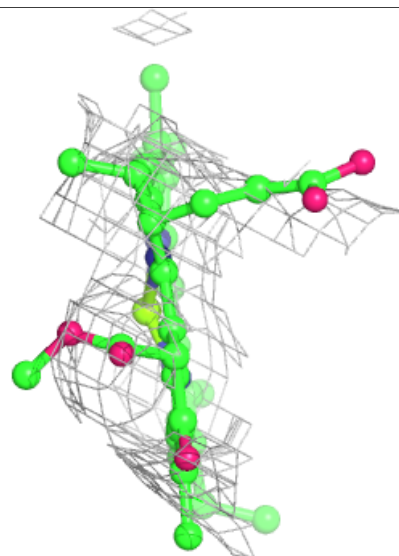
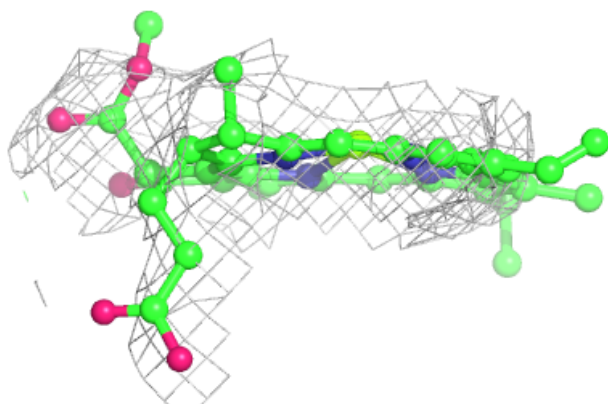
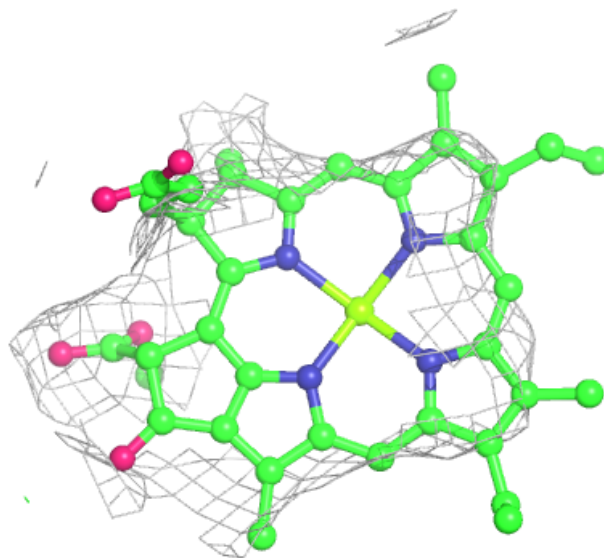
**Electron density around CLA A3 839:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



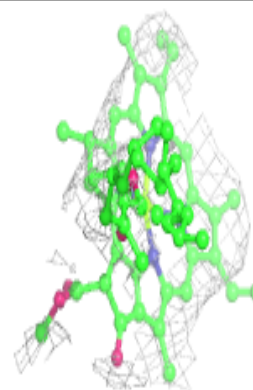
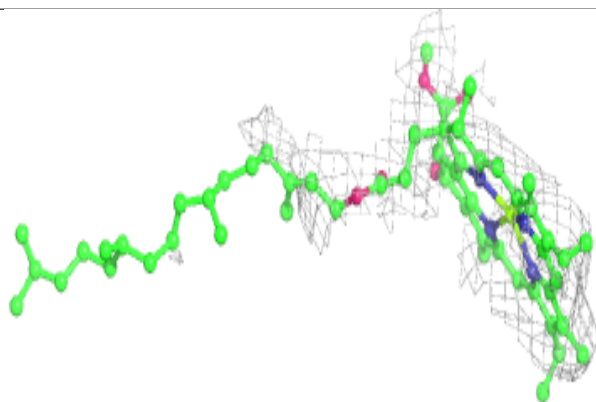
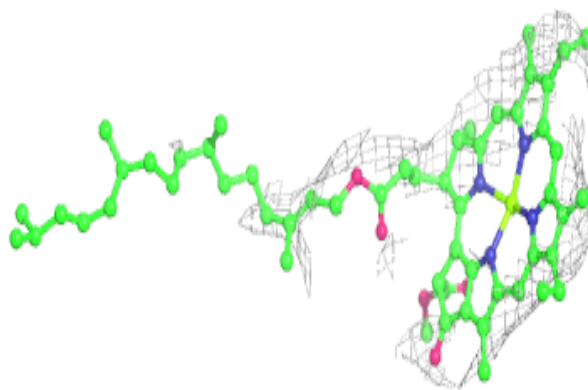
**Electron density around CLA B2 833:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

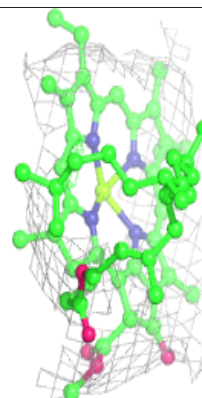
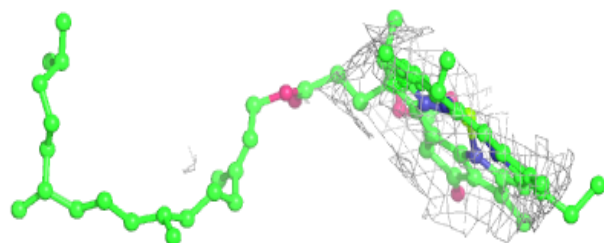
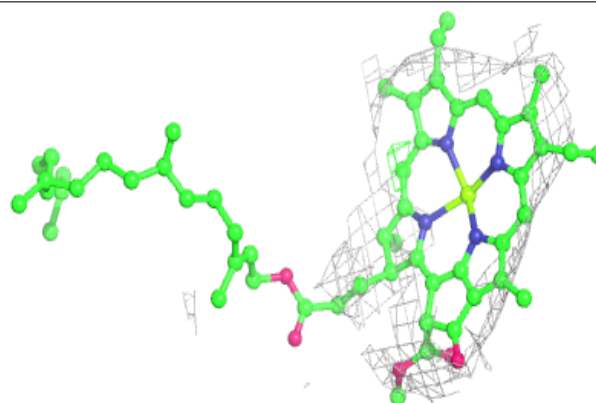


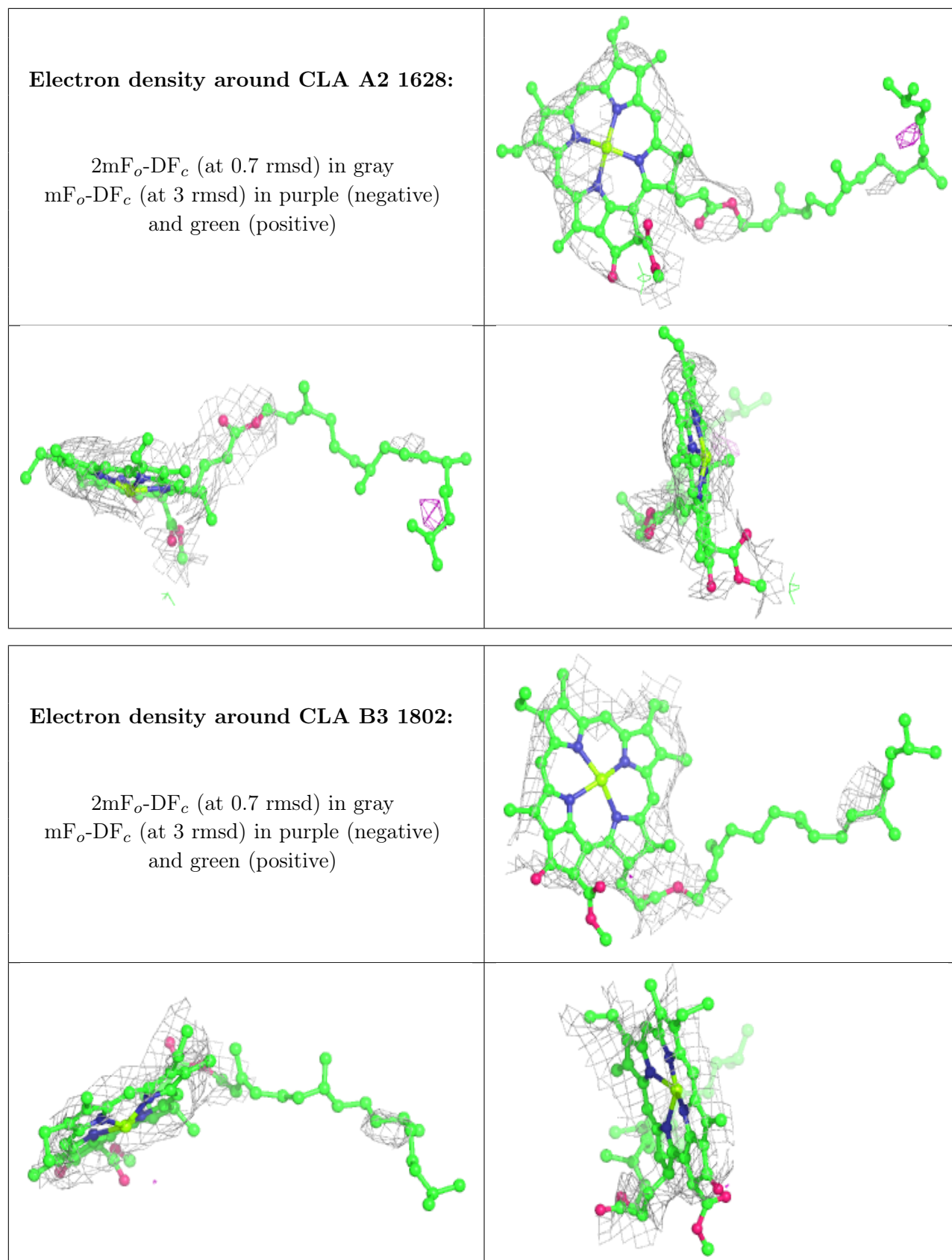
**Electron density around CLA A5 809:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B1 811:**

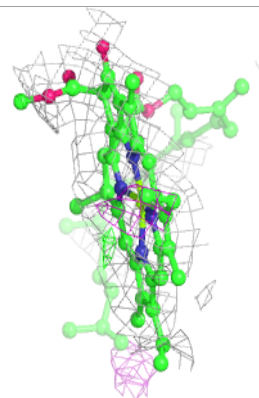
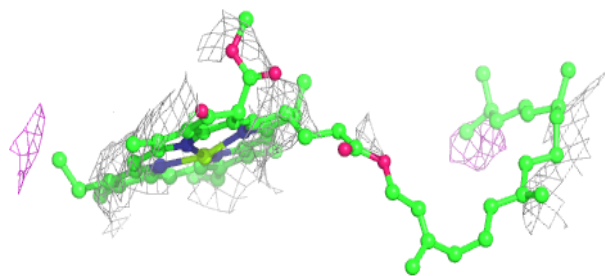
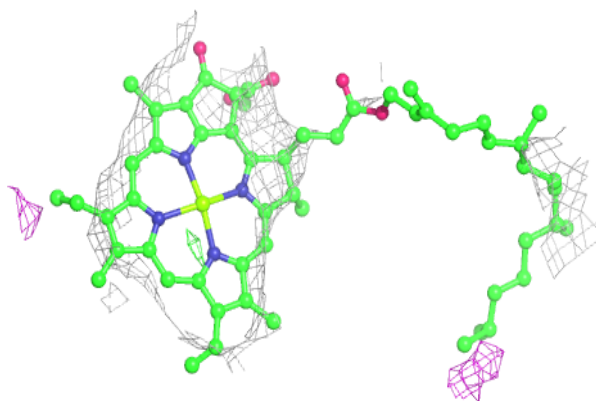
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



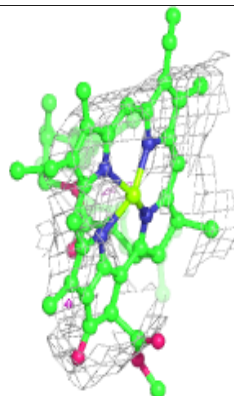
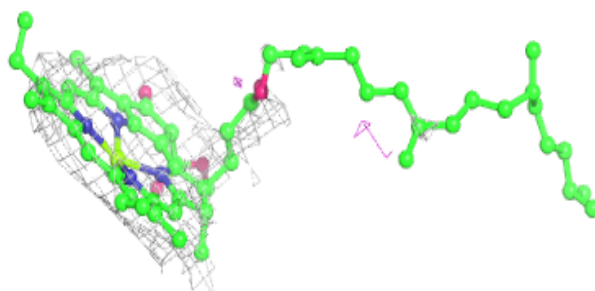
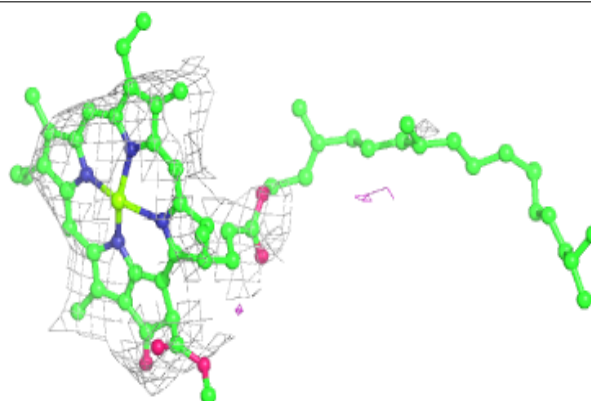


**Electron density around CLA A2 1629:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

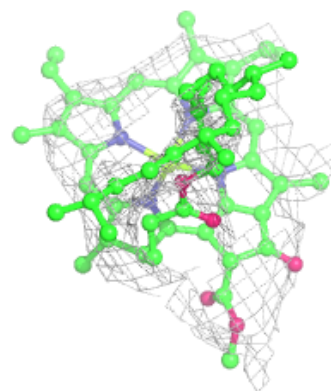
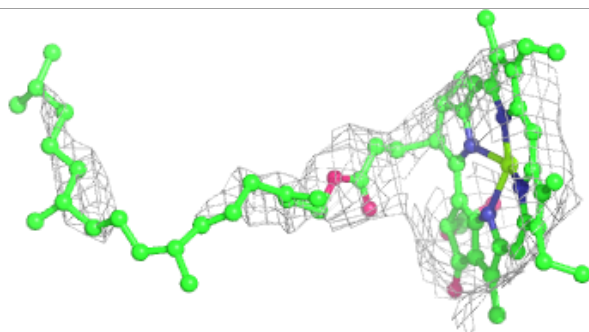
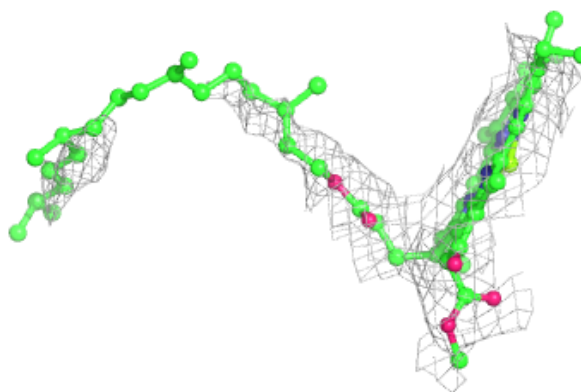
**Electron density around CLA A6 1621:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

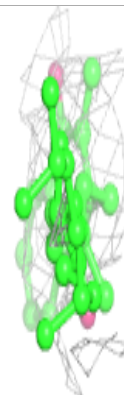
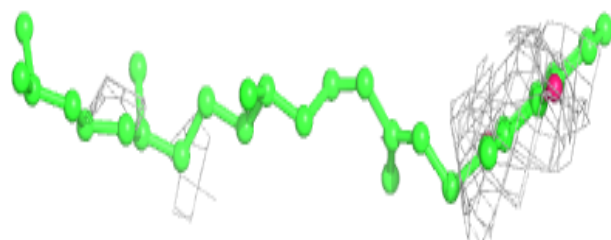
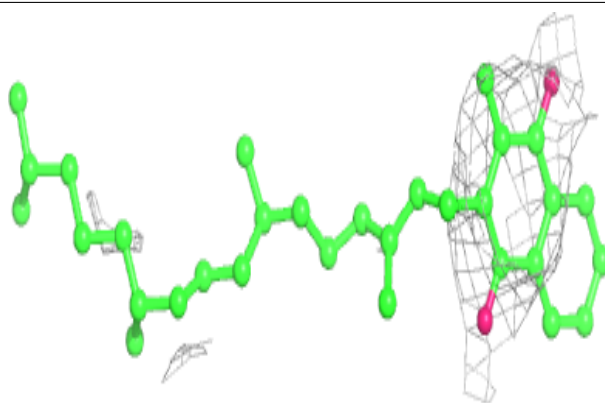


**Electron density around CLA B2 839:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

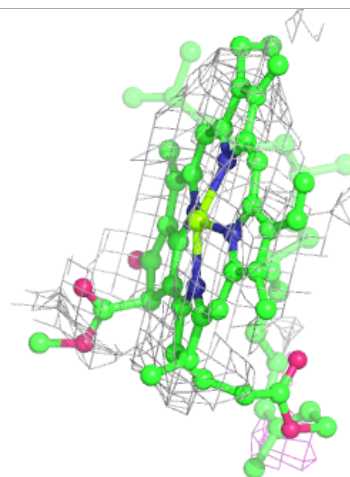
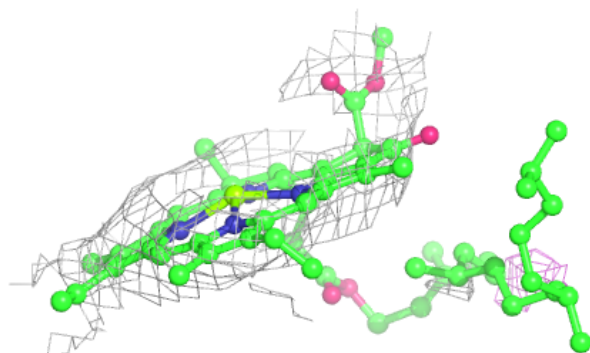
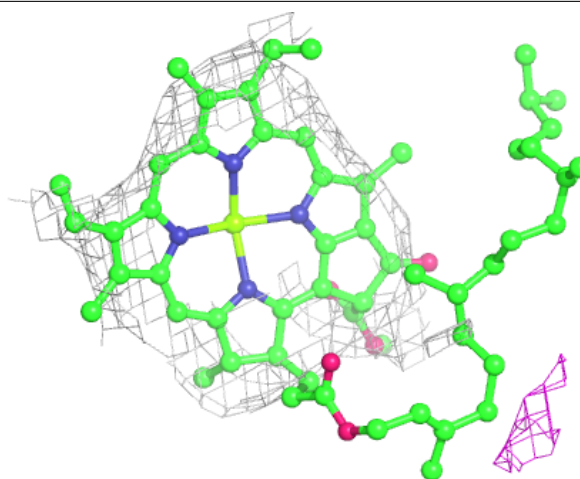
**Electron density around PQN A6 1642:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



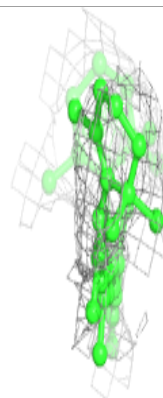
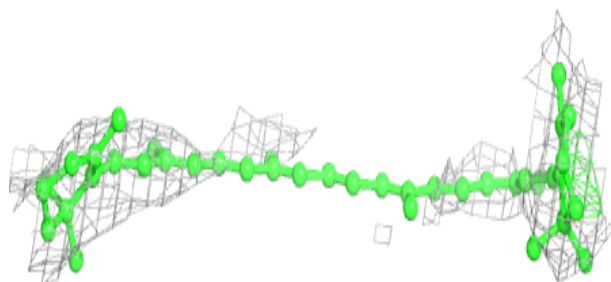
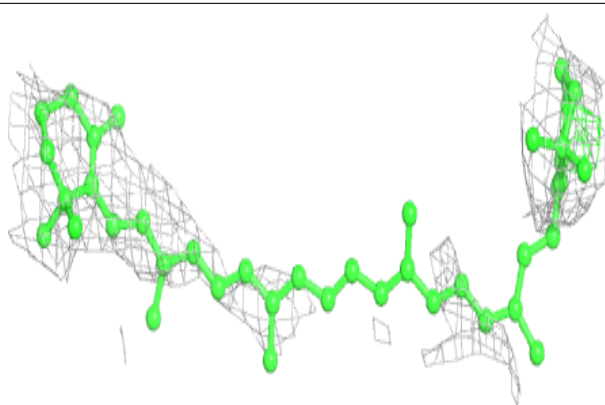
**Electron density around CLA B3 1834:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

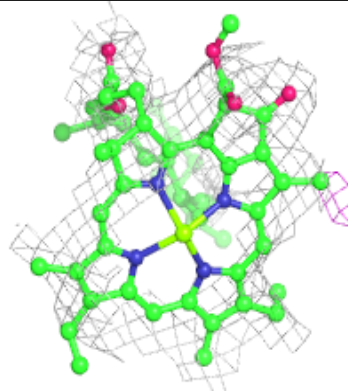
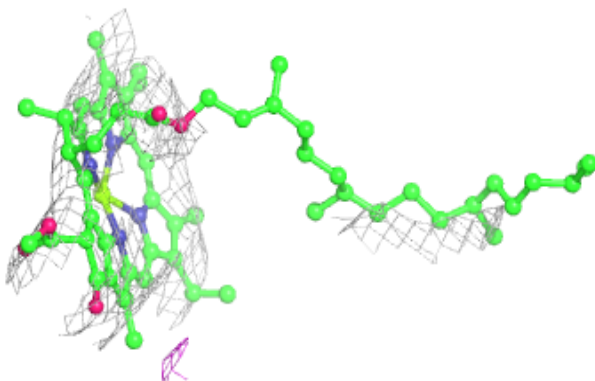
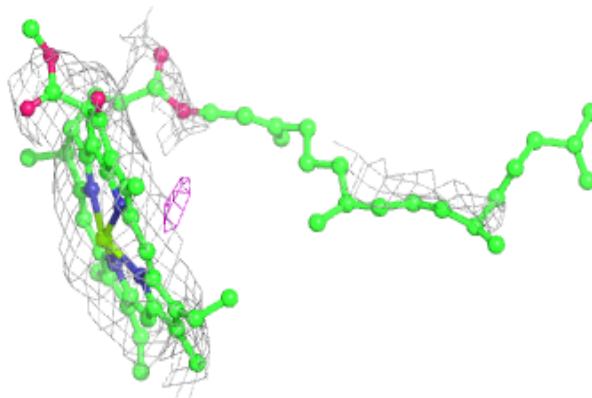


**Electron density around BCR I5 102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A2 1613:**

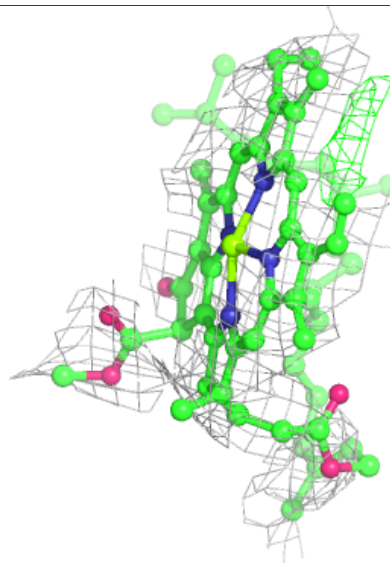
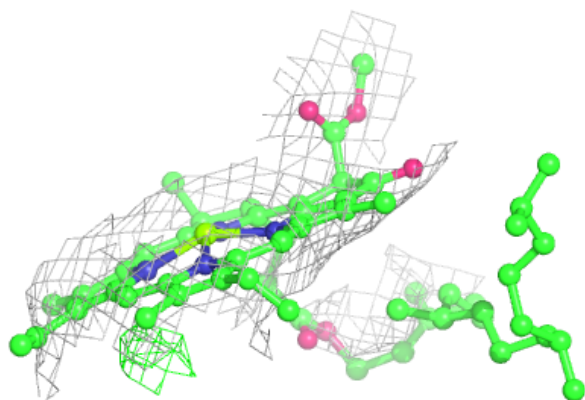
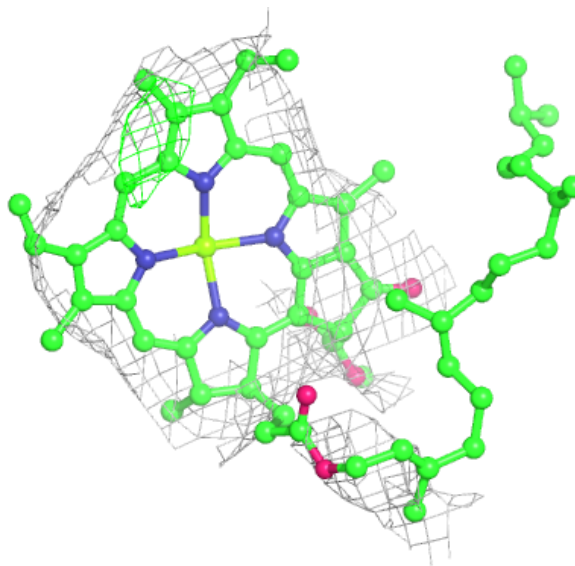
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

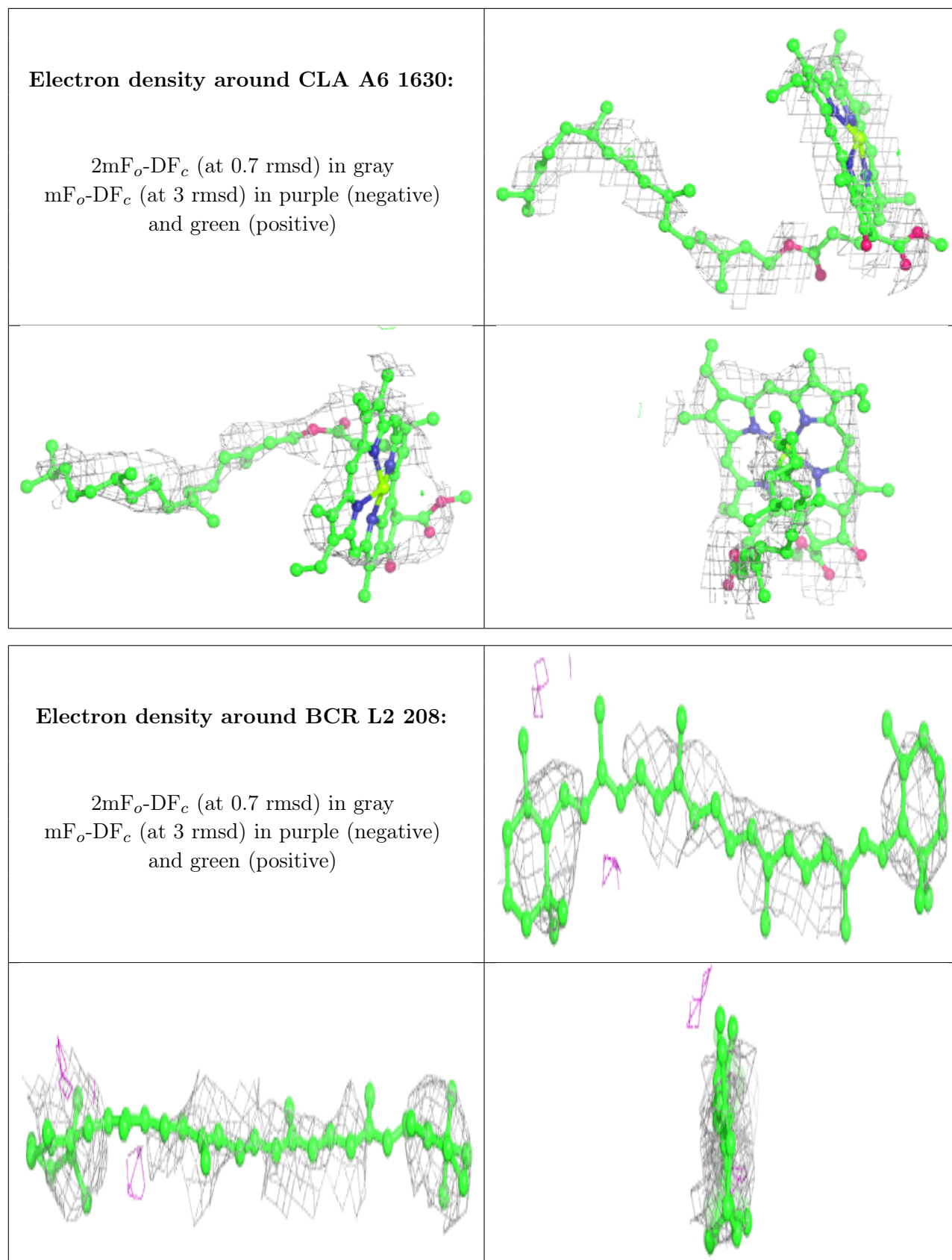


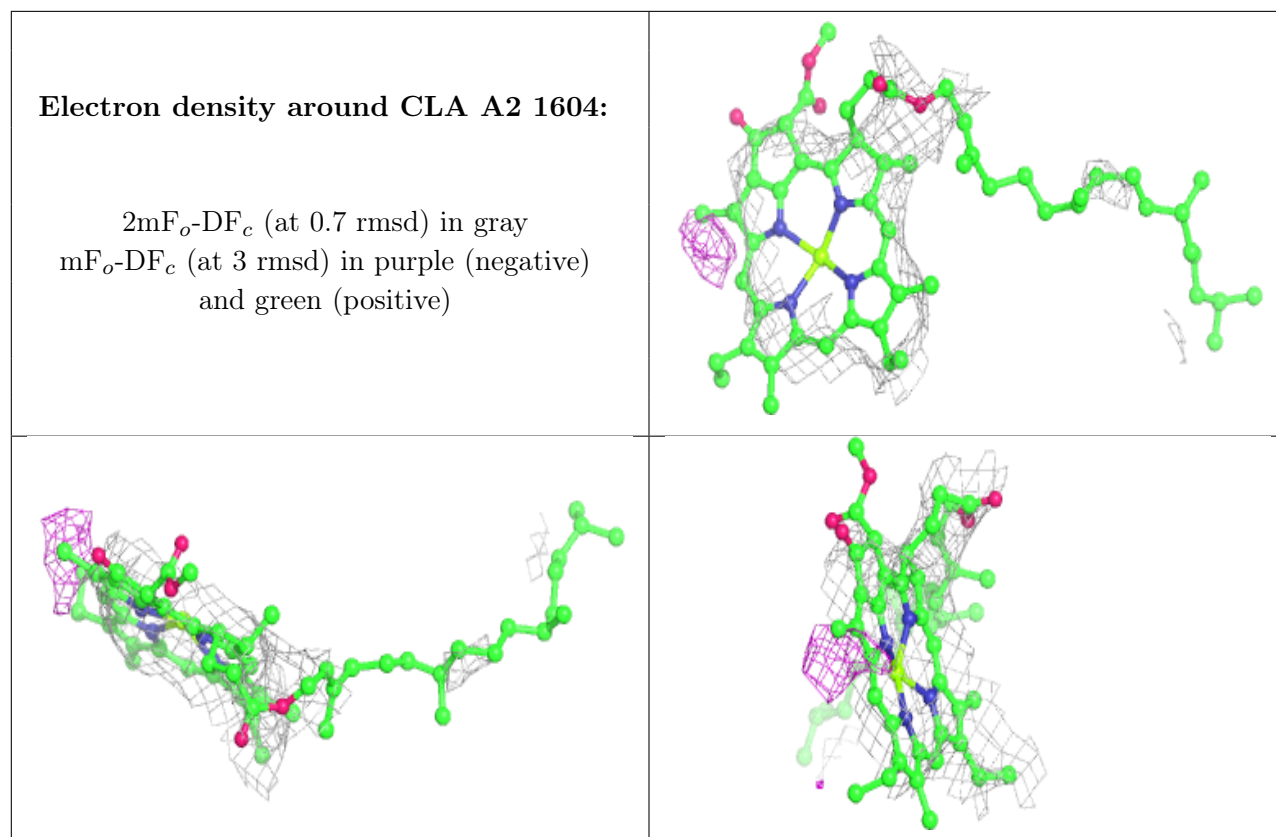


**Electron density around CLA B6 832:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

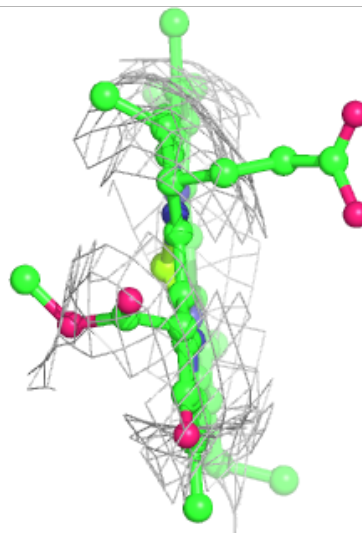
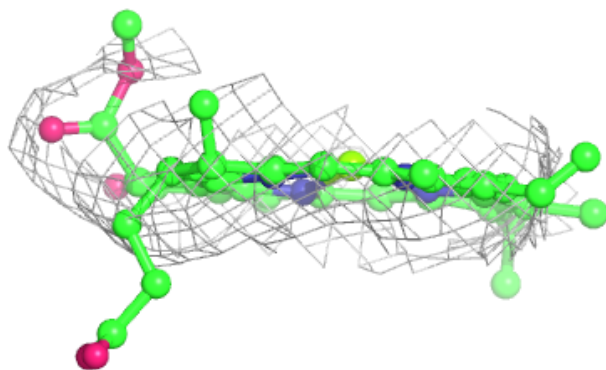
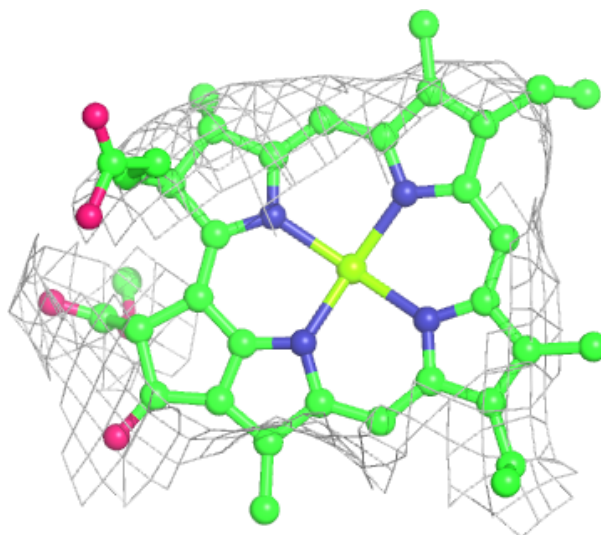






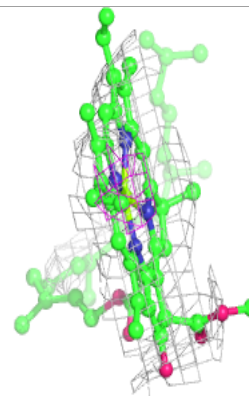
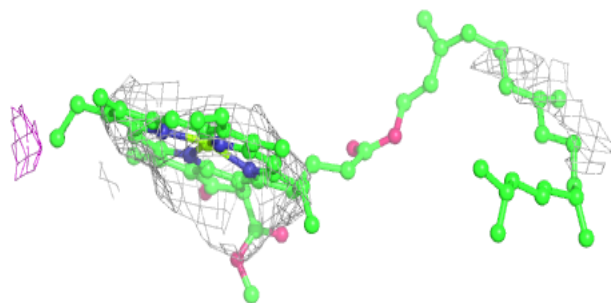
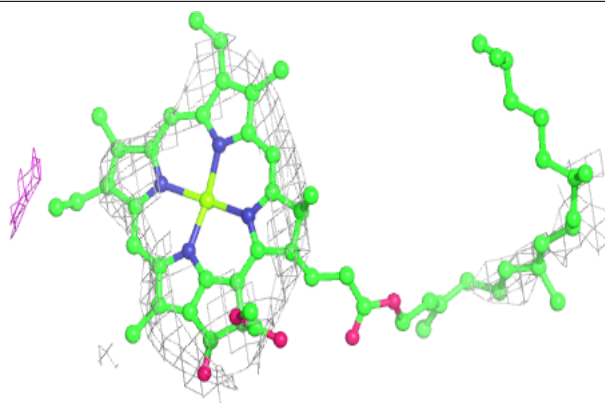
**Electron density around CLA B2 820:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

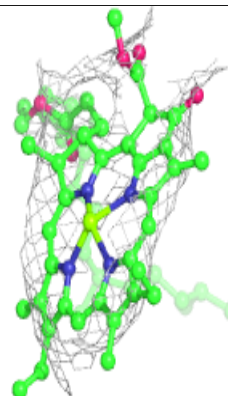
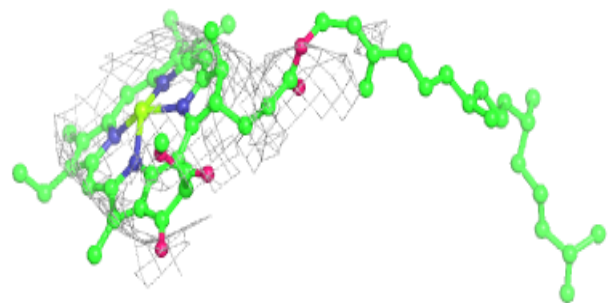
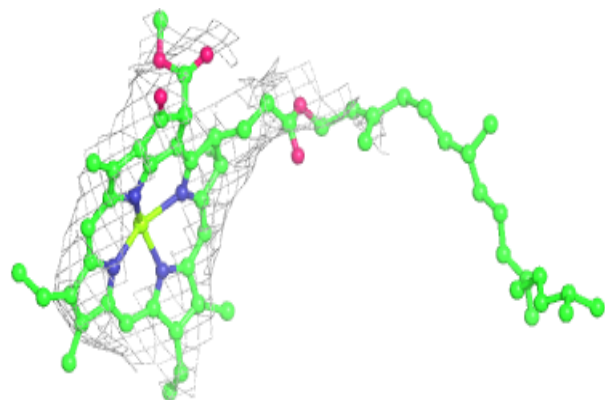


**Electron density around CLA A5 827:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

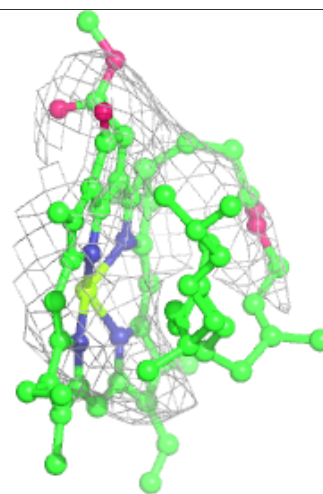
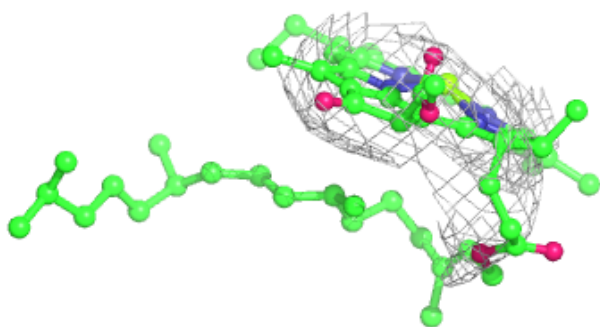
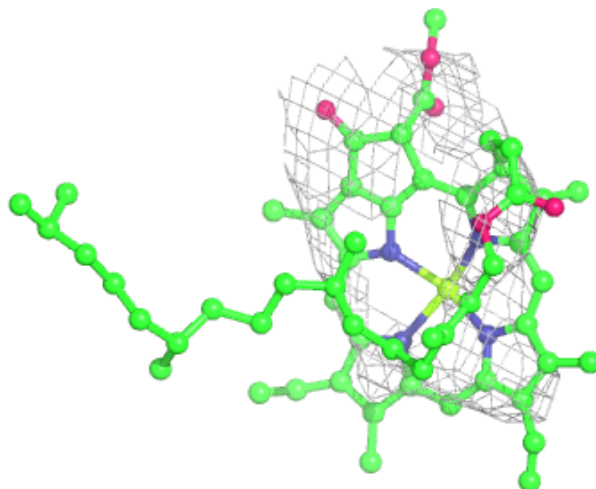
**Electron density around CLA B2 802:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



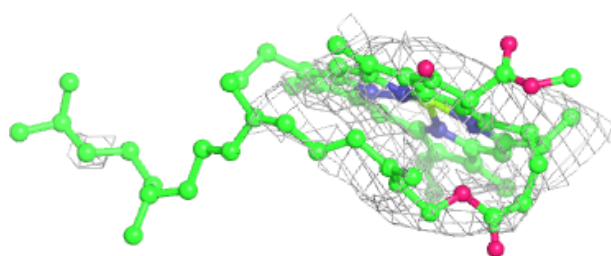
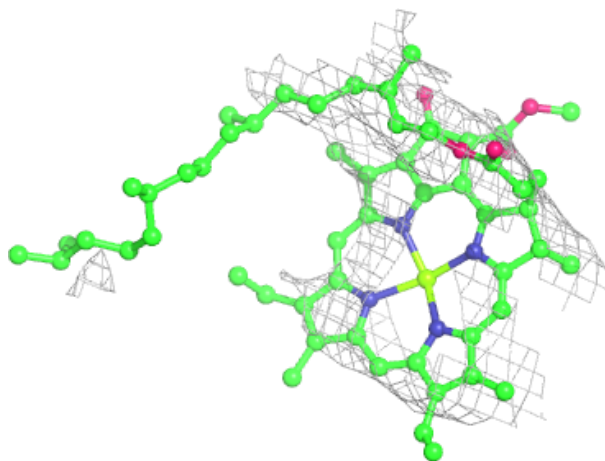
**Electron density around CLA B5 1829:**

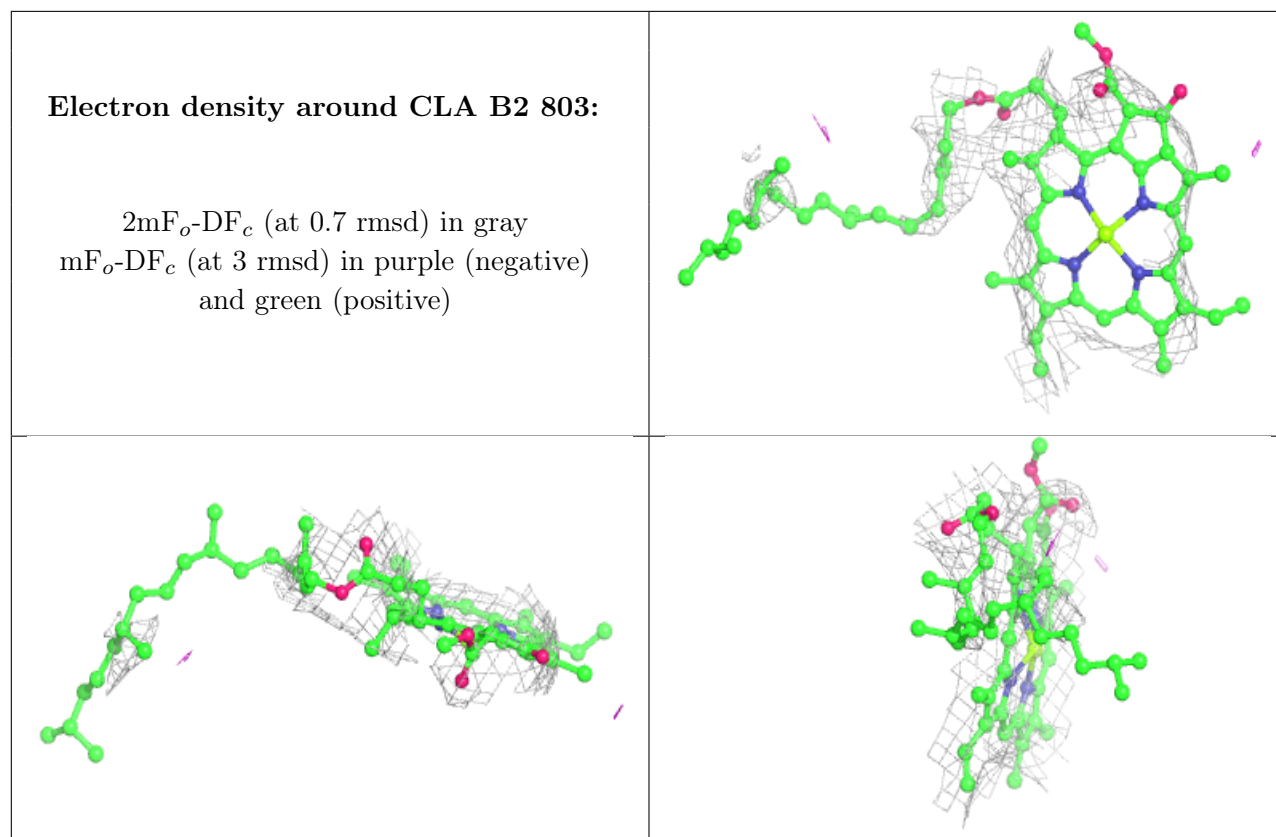
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A5 829:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

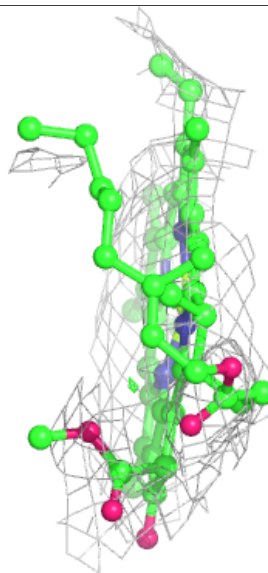
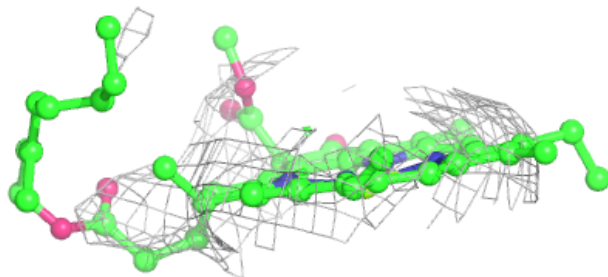
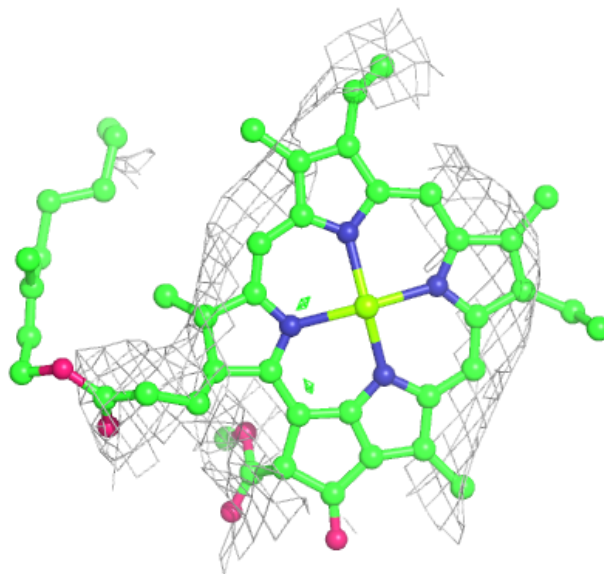


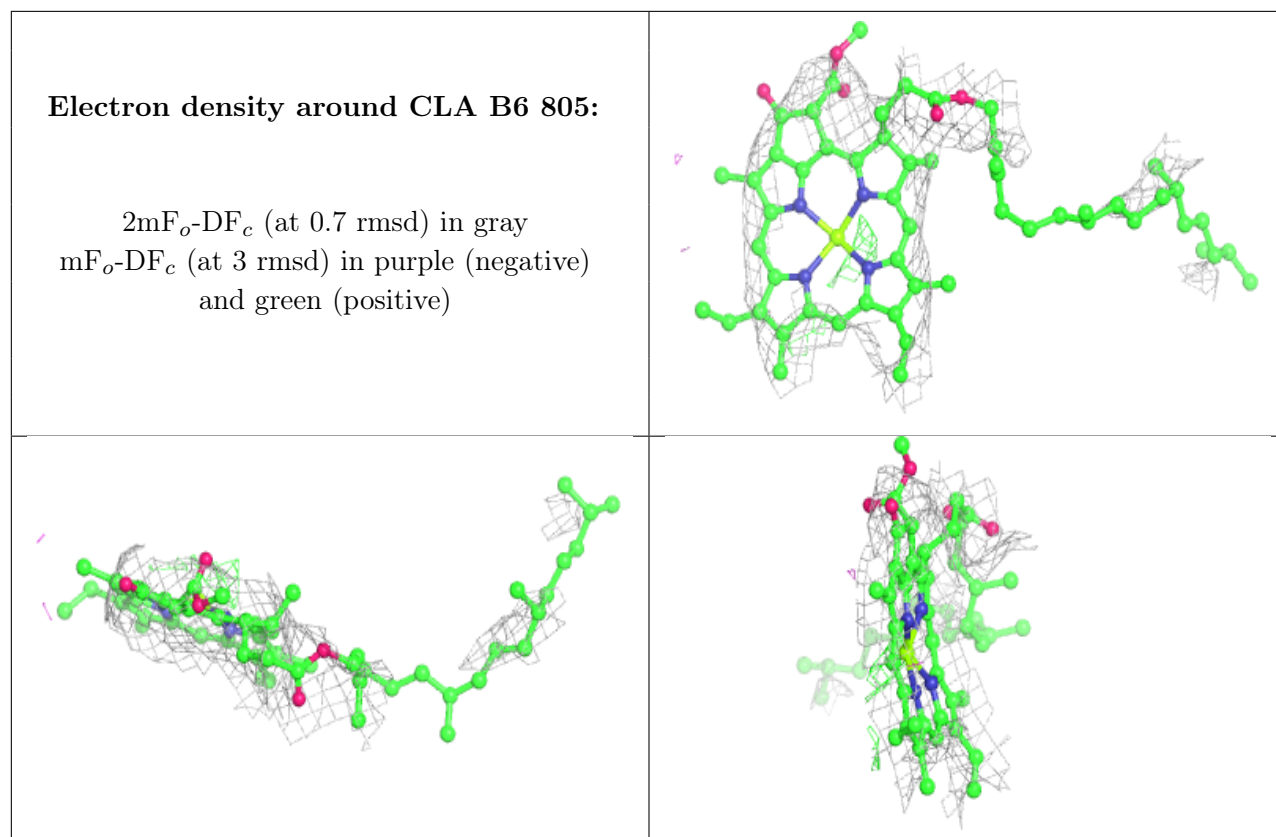




**Electron density around CLA B2 823:**

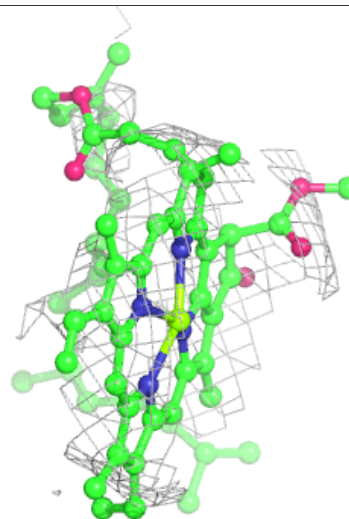
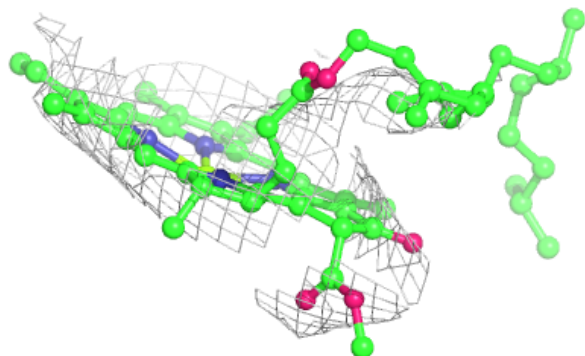
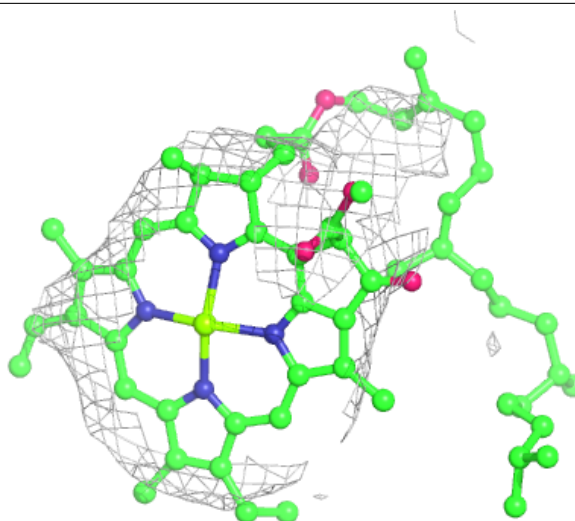
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





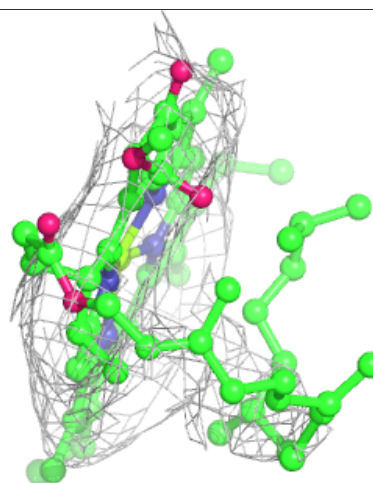
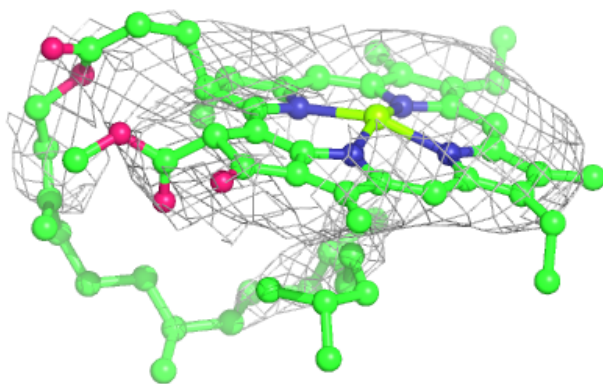
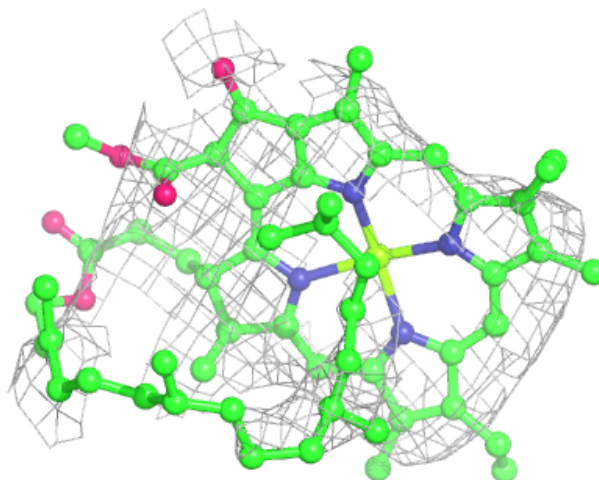
**Electron density around CLA B5 1834:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



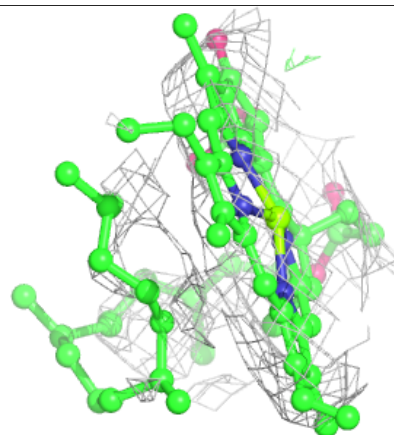
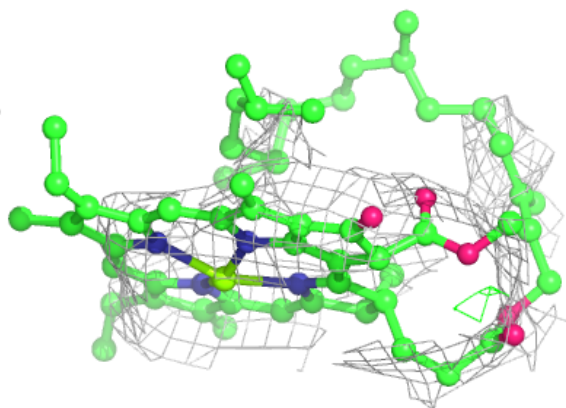
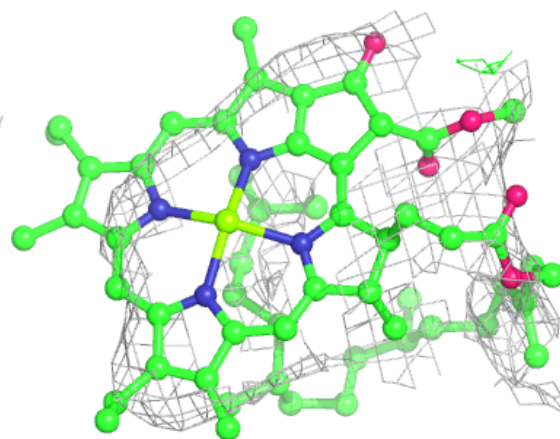
**Electron density around CLA A2 1608:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

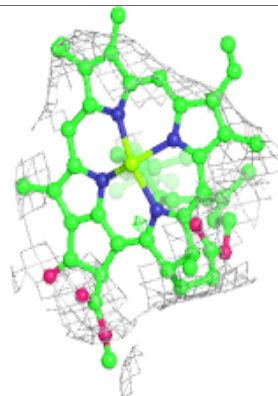
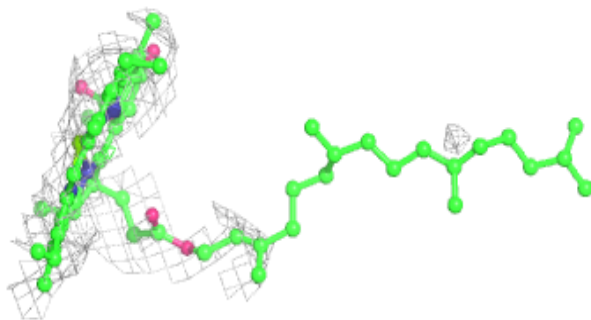
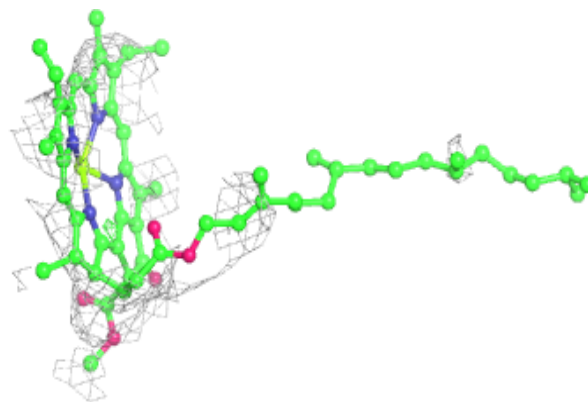


**Electron density around CLA B6 807:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

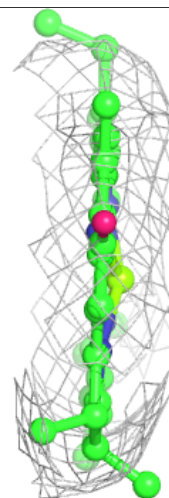
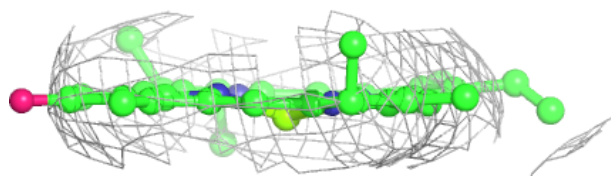
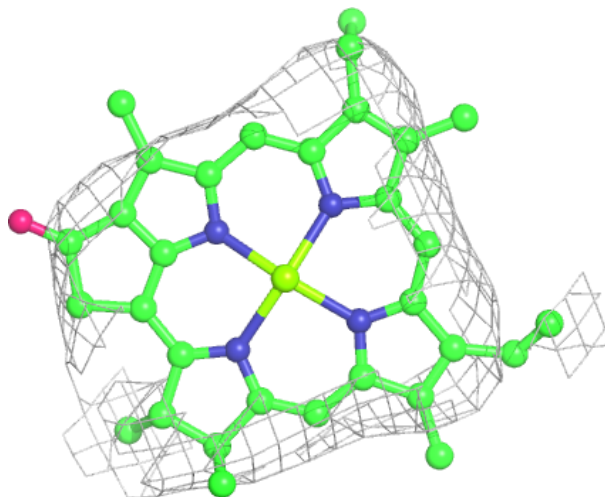
**Electron density around CLA B2 827:**

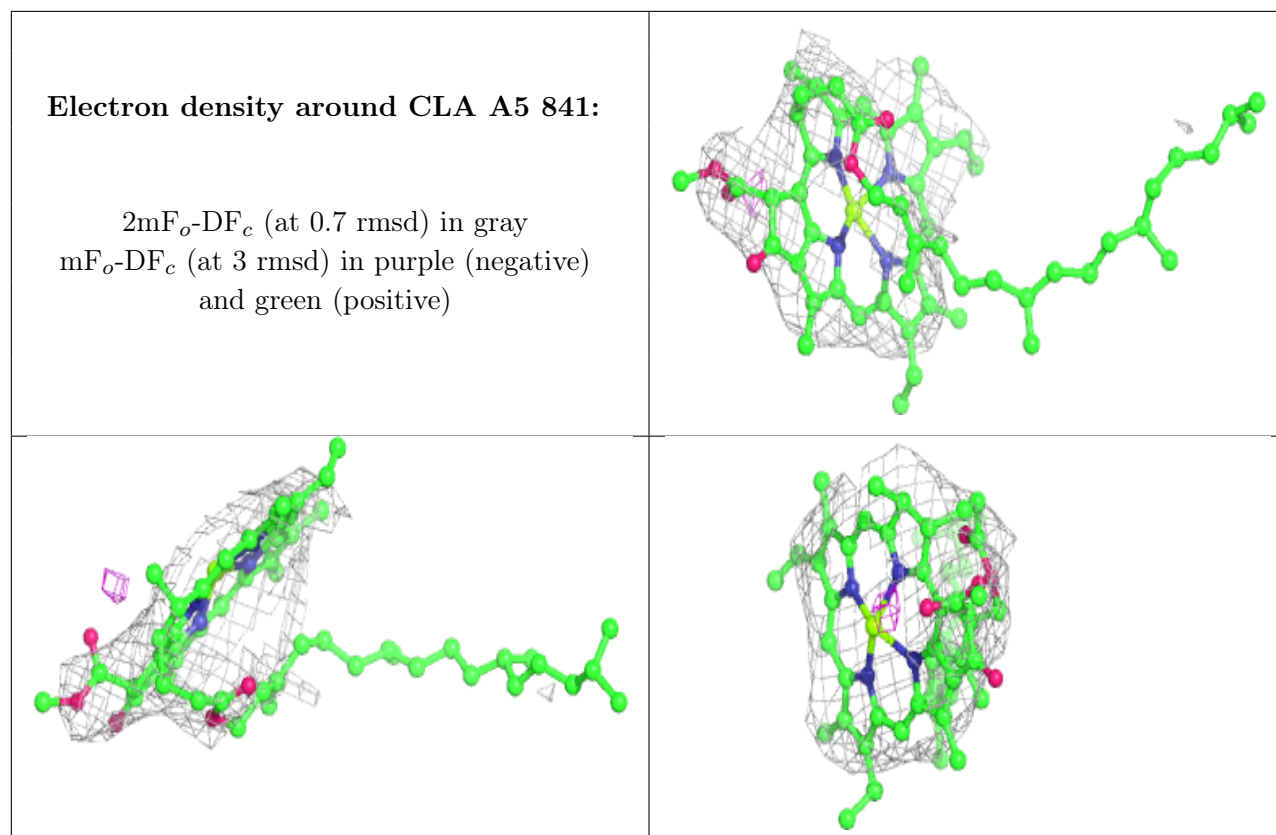
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

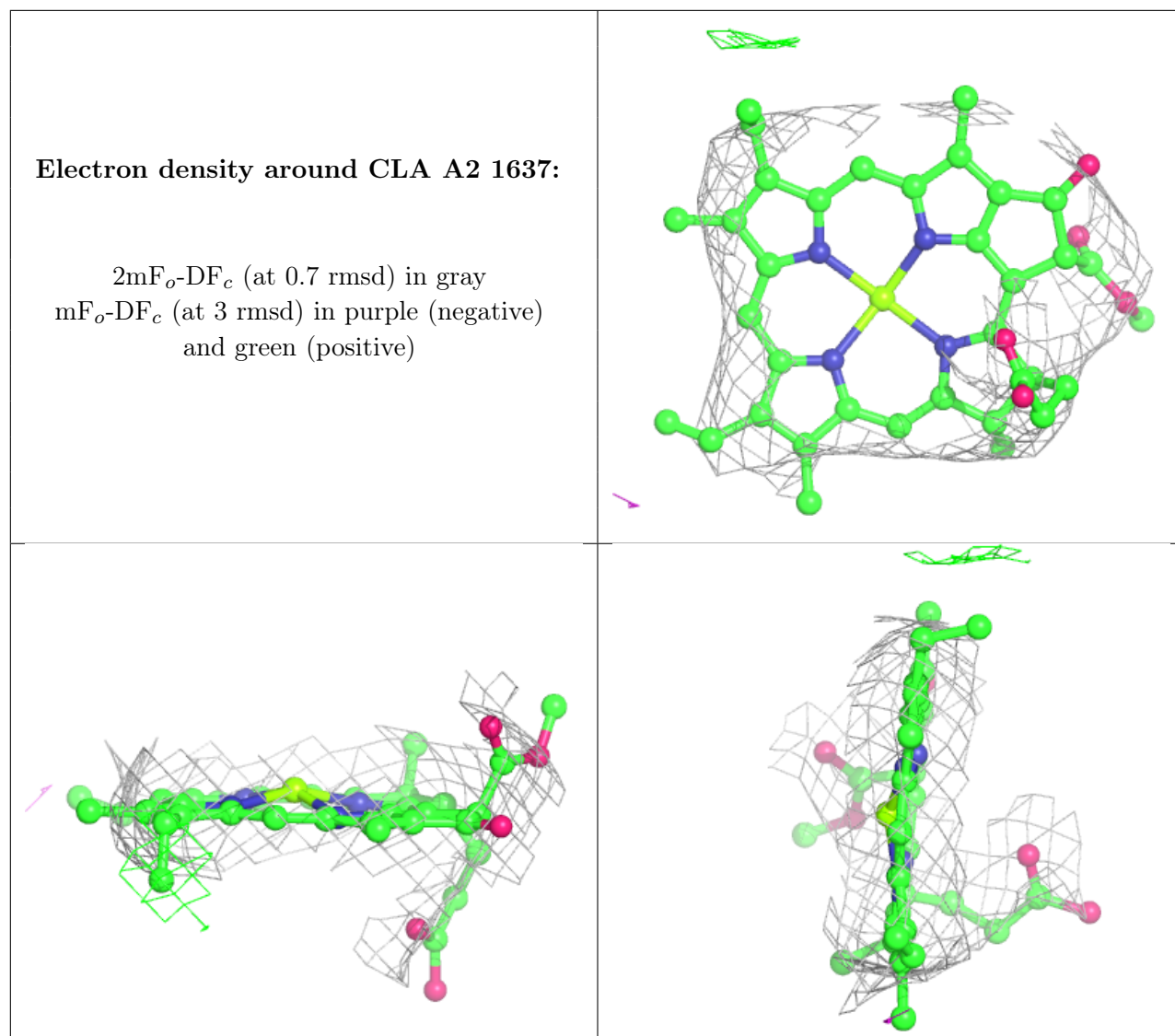


**Electron density around CLA J6 1103:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



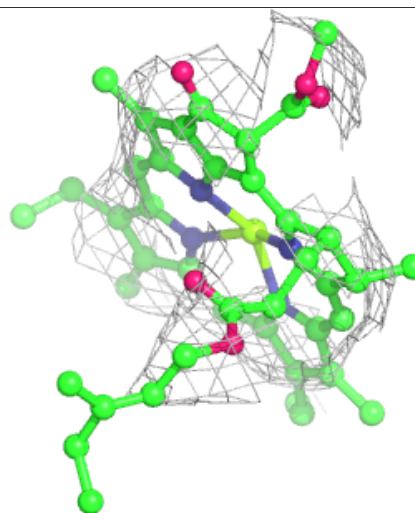
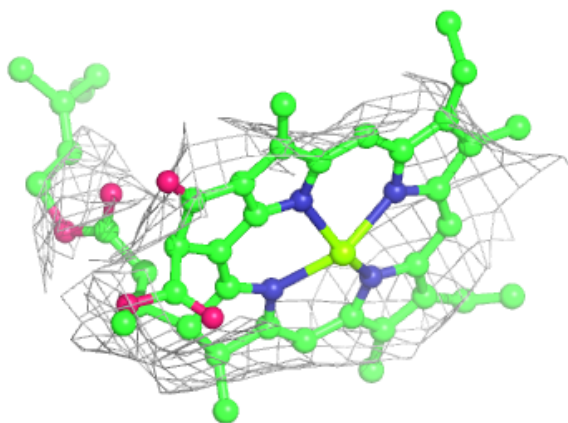
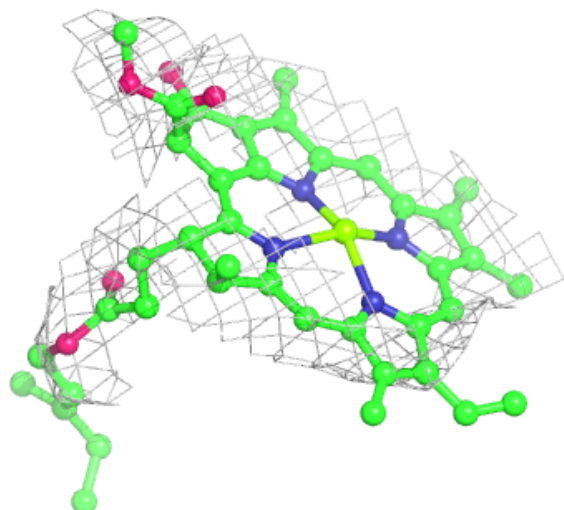






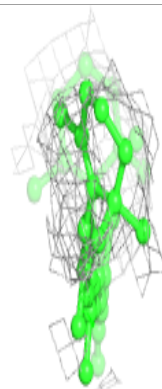
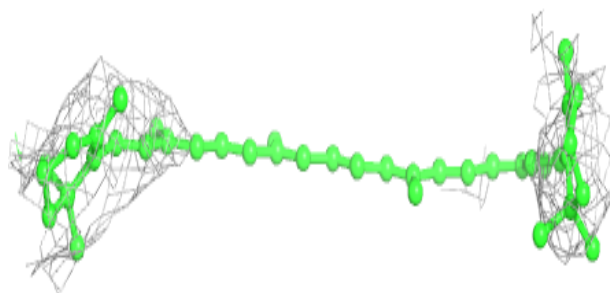
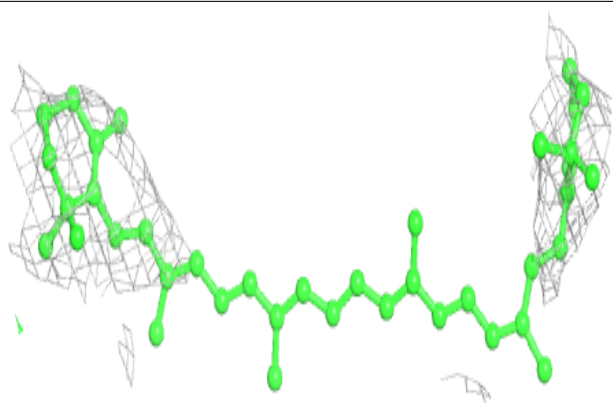
**Electron density around CLA A2 1609:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

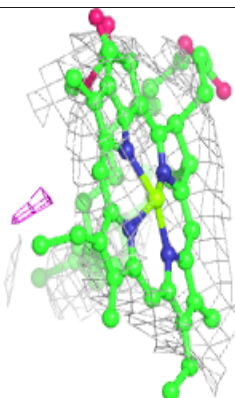
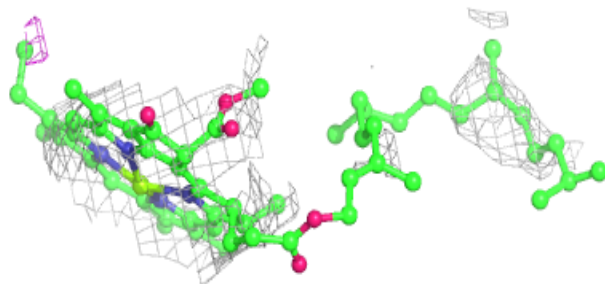
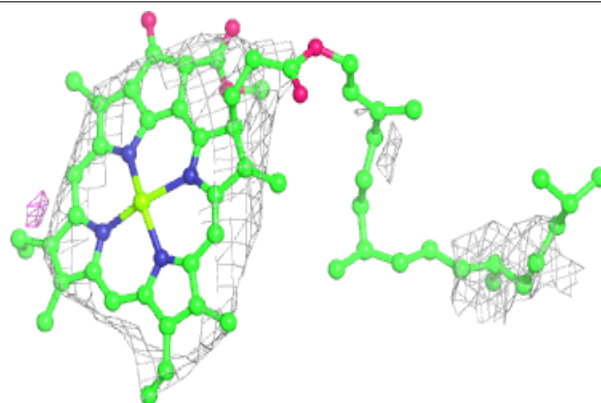


**Electron density around BCR I3 102:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

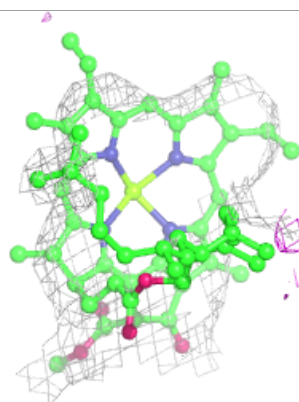
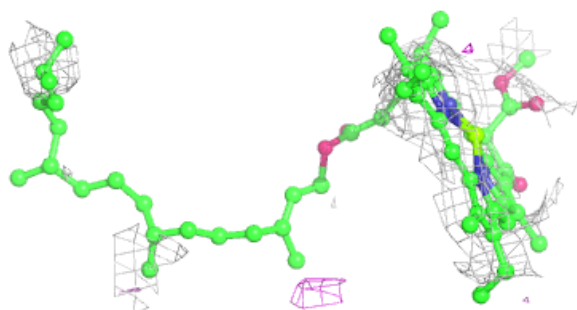
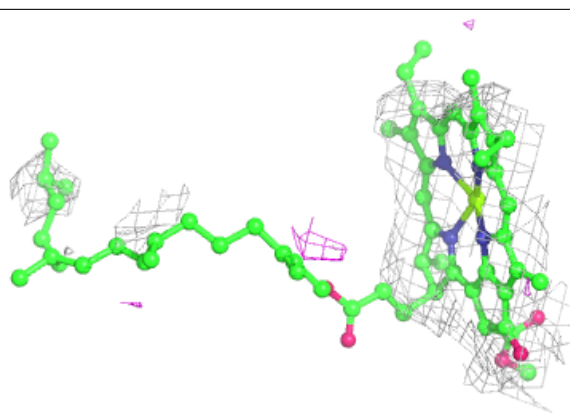
**Electron density around CLA A3 803:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

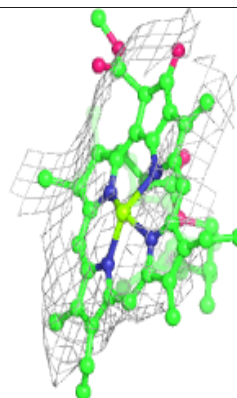
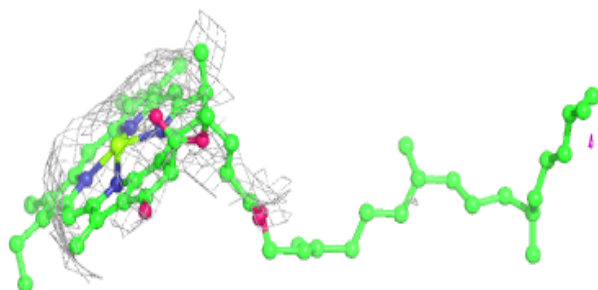
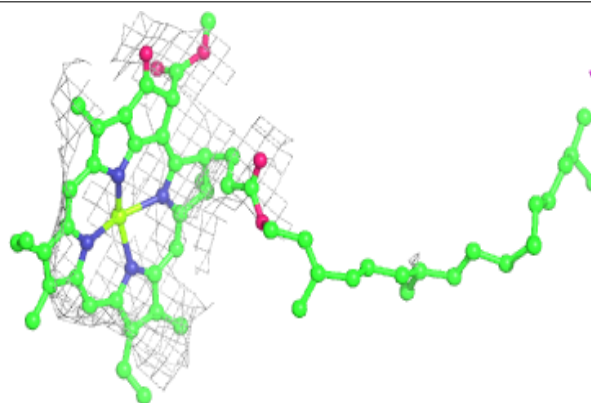


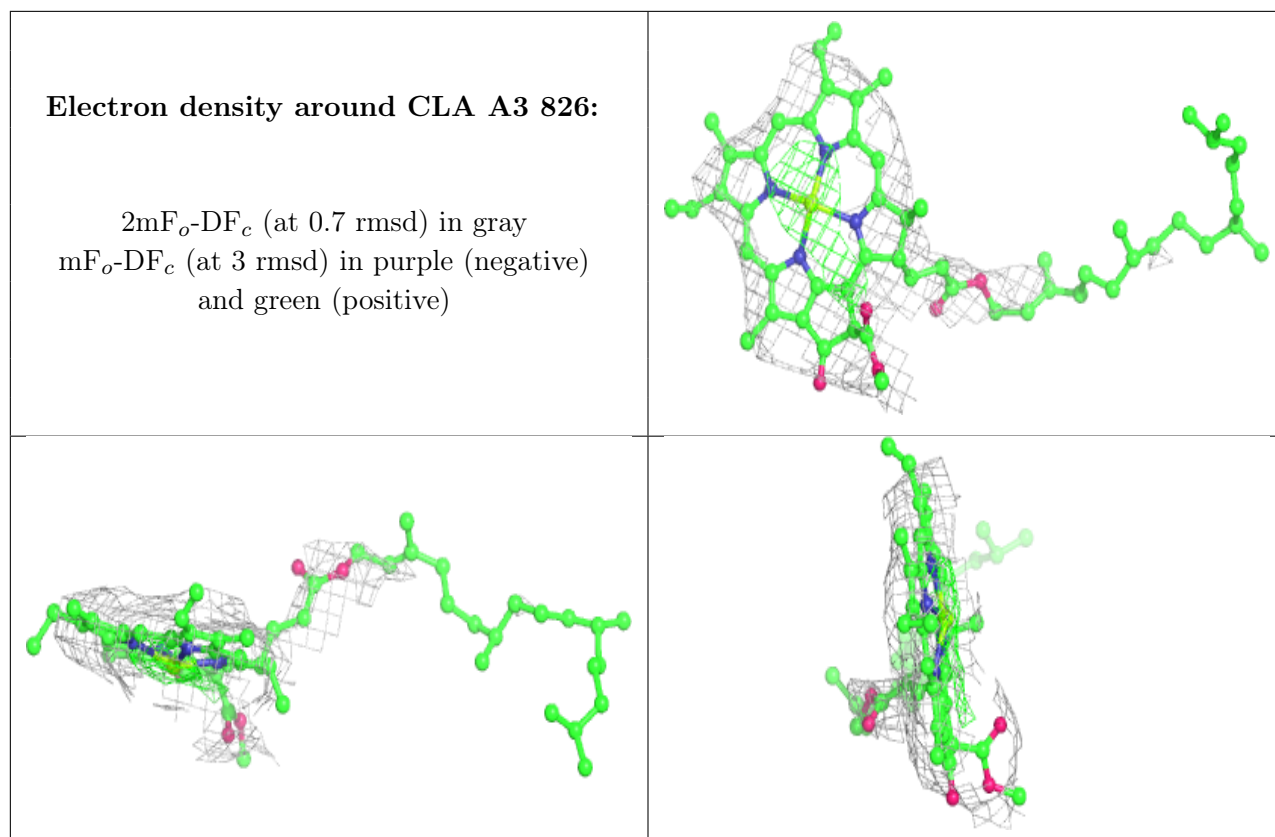
**Electron density around CLA L6 207:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A4 820:**

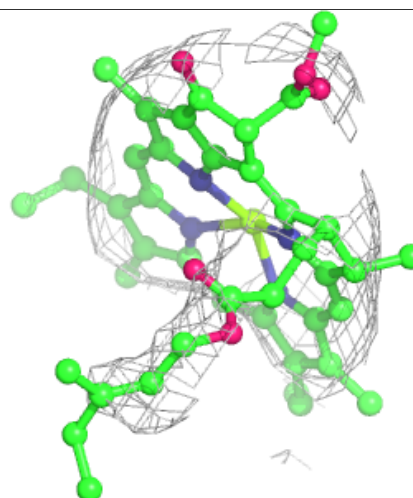
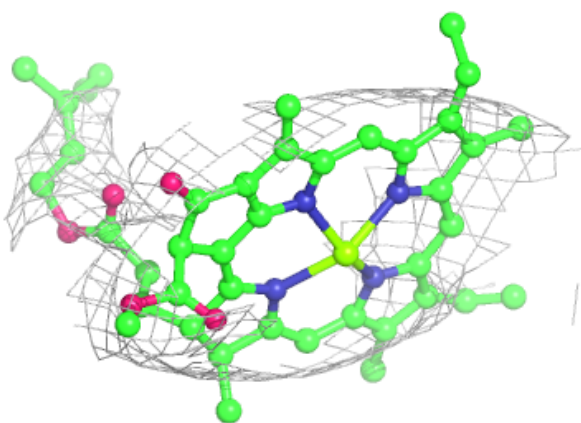
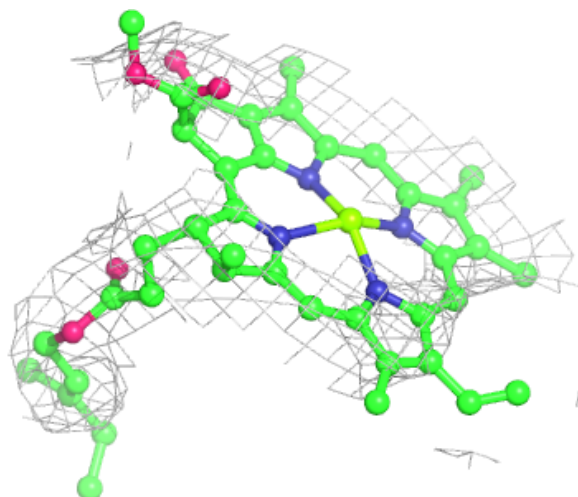
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





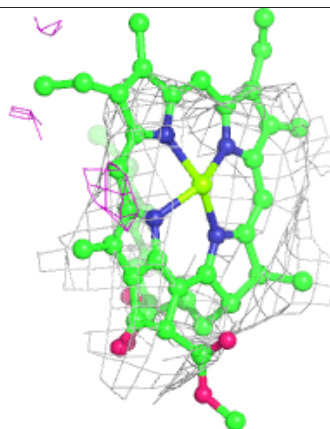
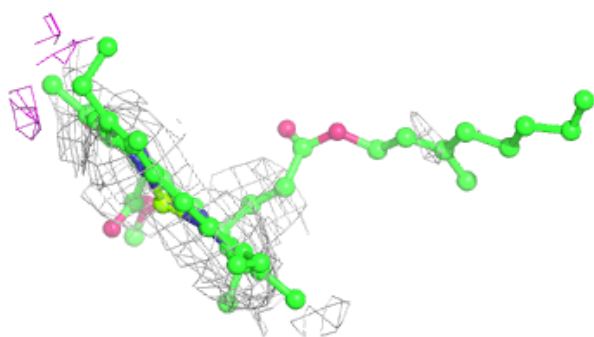
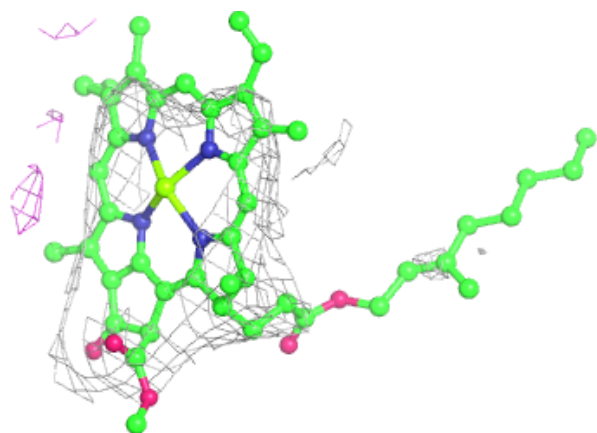
**Electron density around CLA A6 1607:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

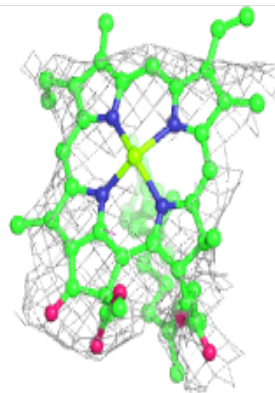
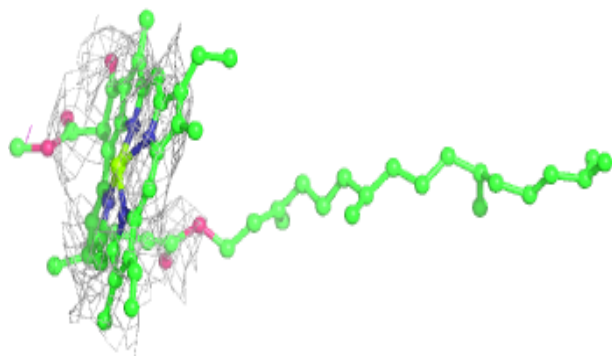
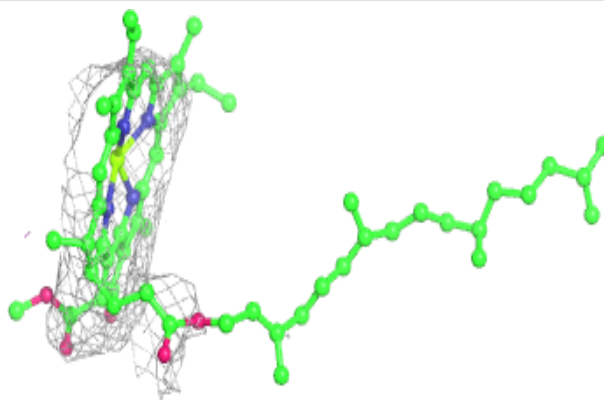


**Electron density around CLA A1 832:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

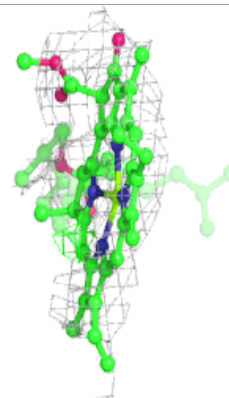
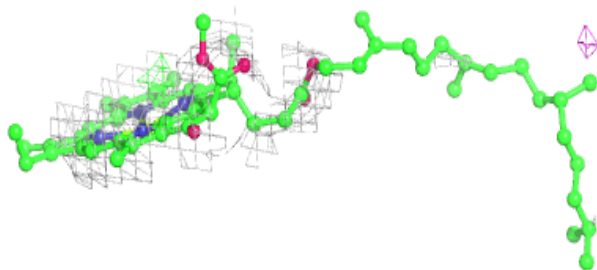
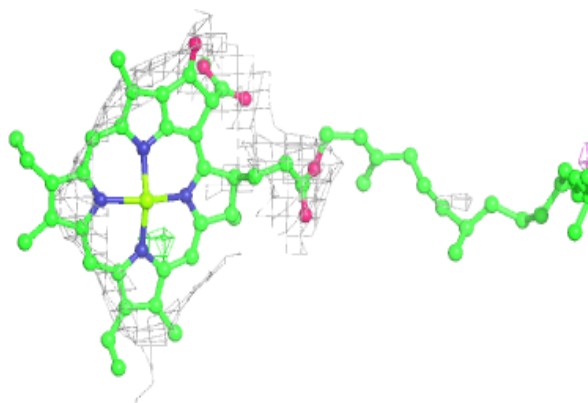
**Electron density around CLA B4 831:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

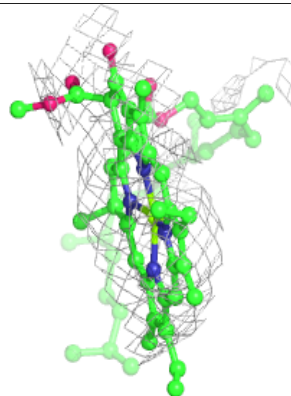
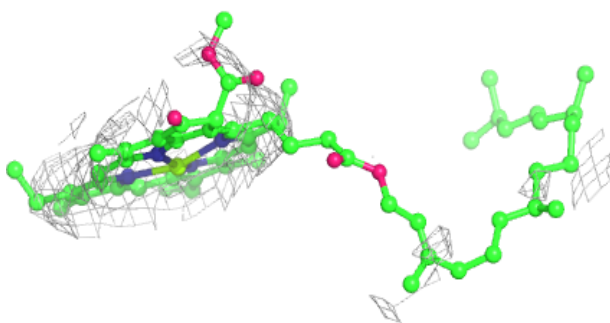
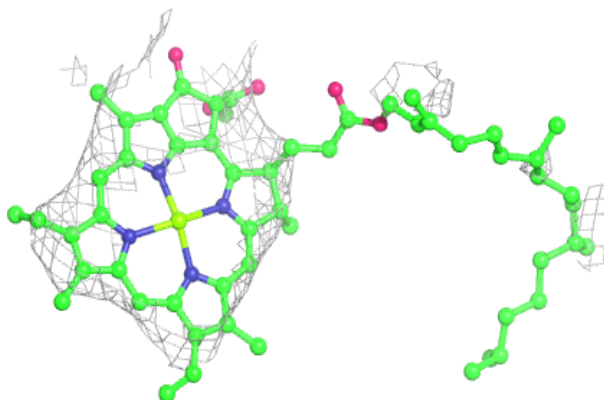


**Electron density around CLA A5 805:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

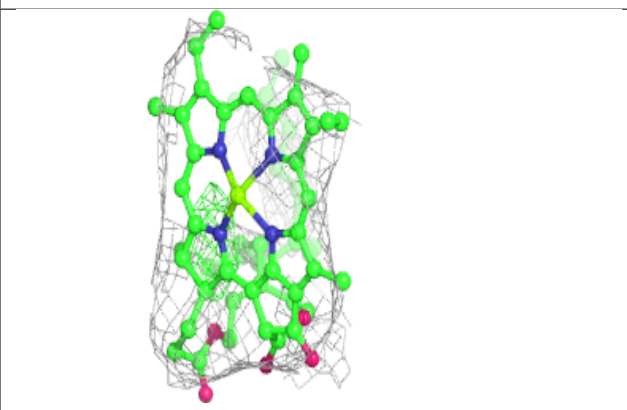
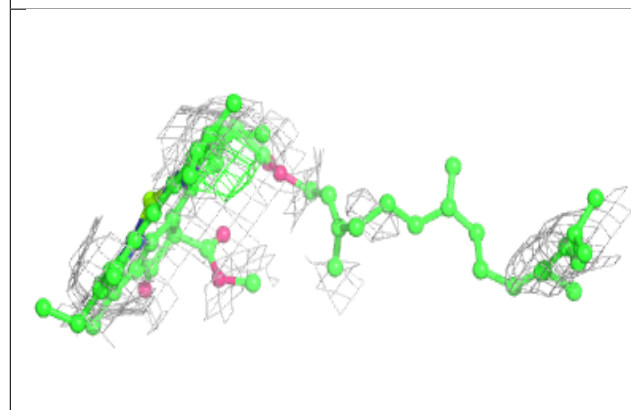
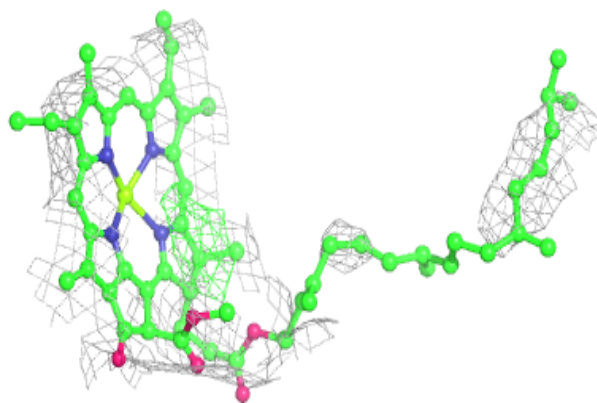
**Electron density around CLA A6 1627:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

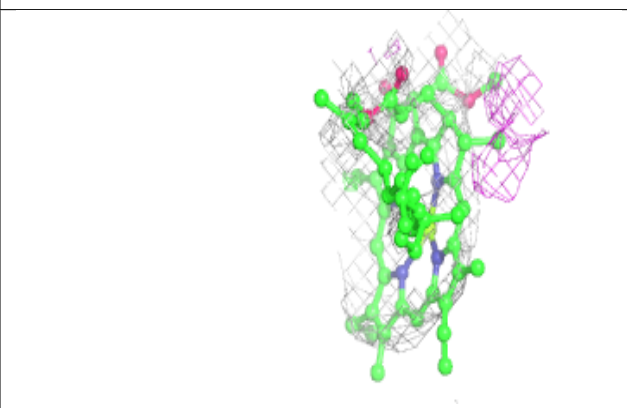
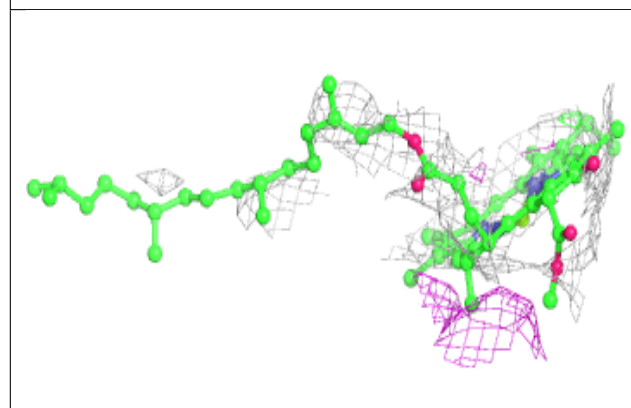
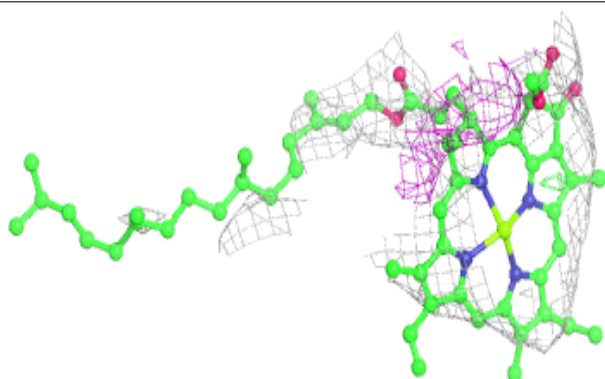


**Electron density around CLA B2 809:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A6 1633:**

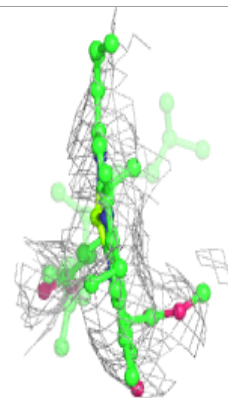
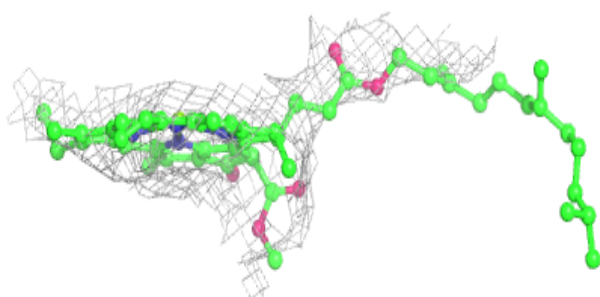
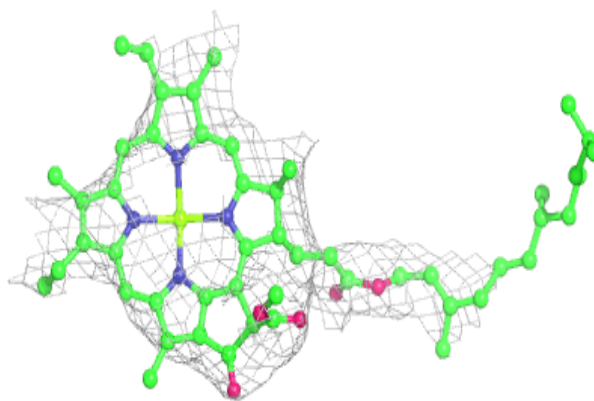
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



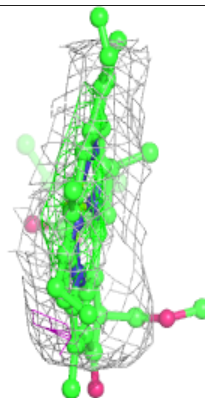
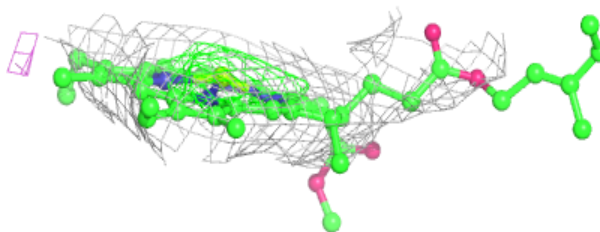
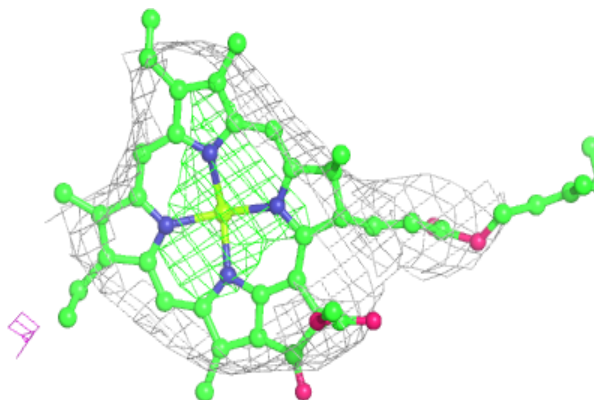


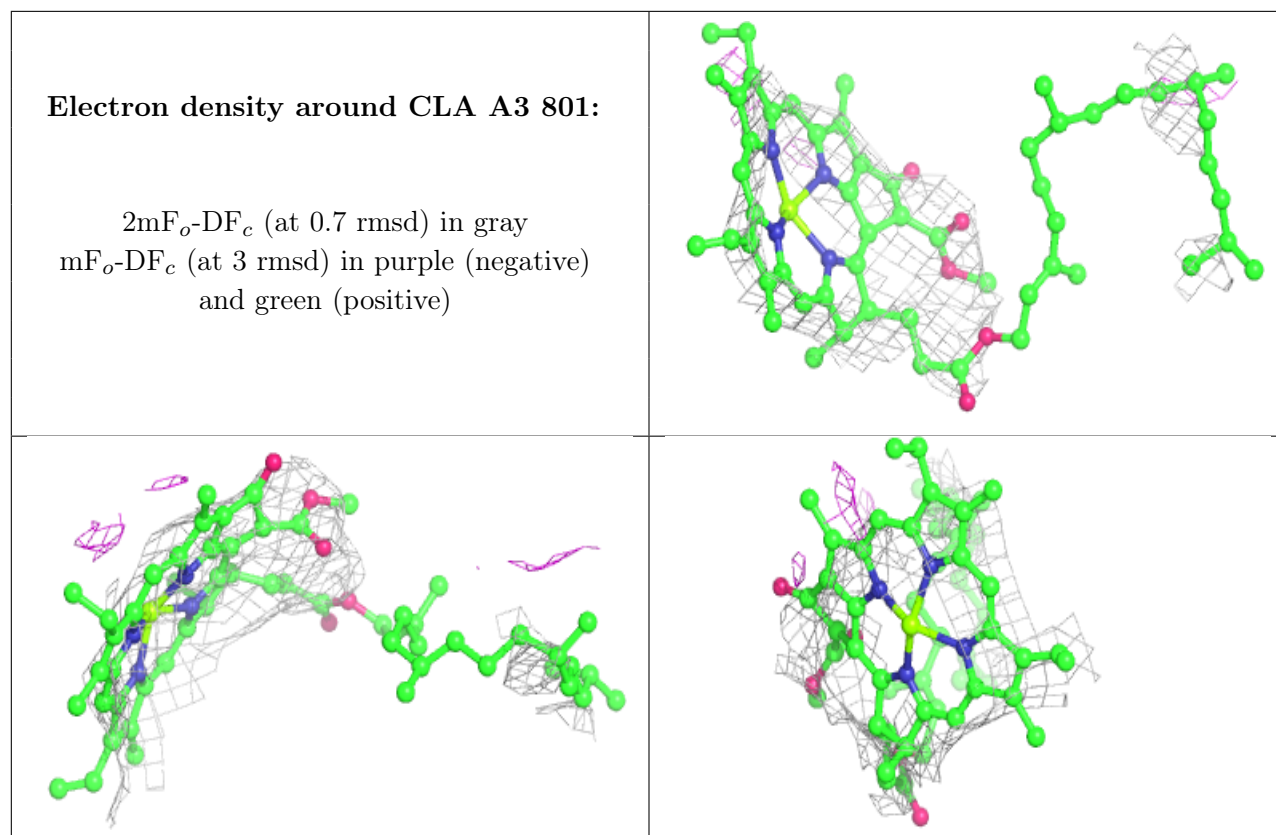
**Electron density around CLA B2 836:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A6 1636:**

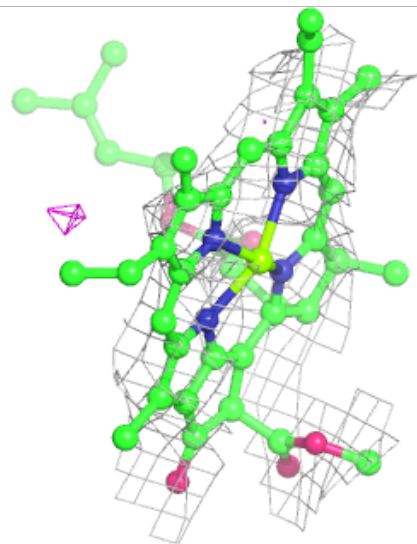
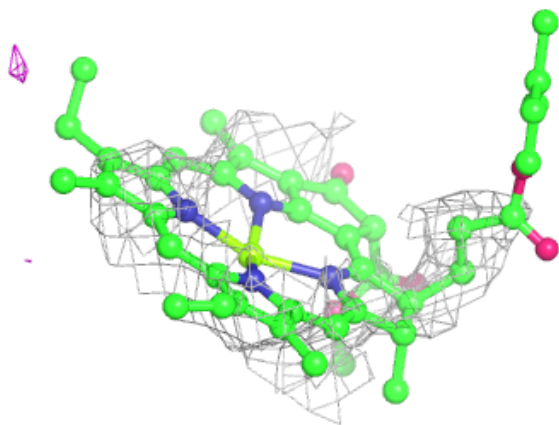
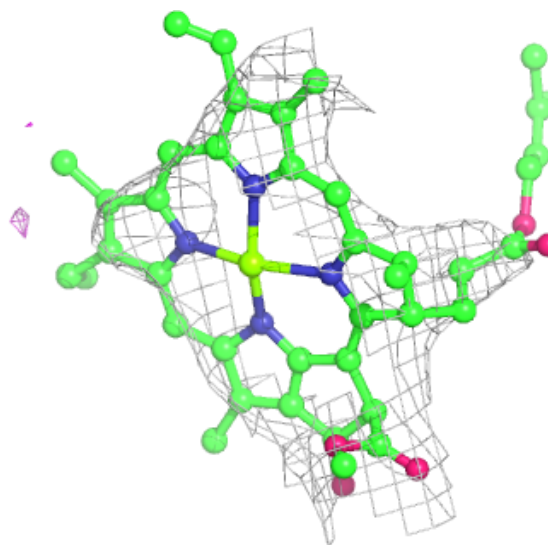
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





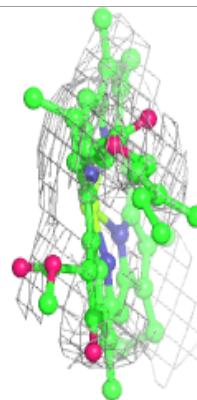
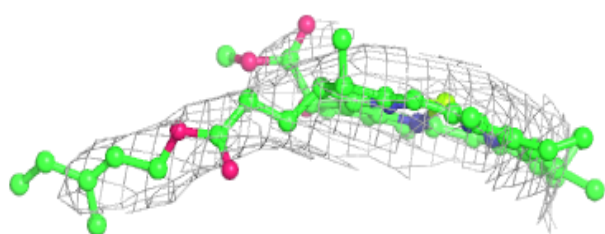
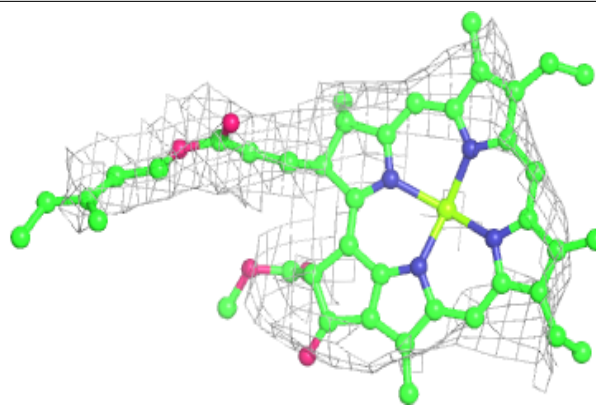
**Electron density around CLA A5 831:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

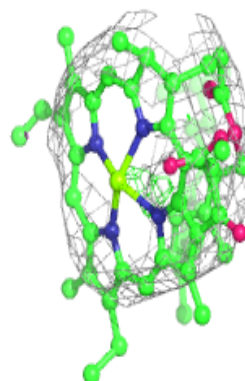
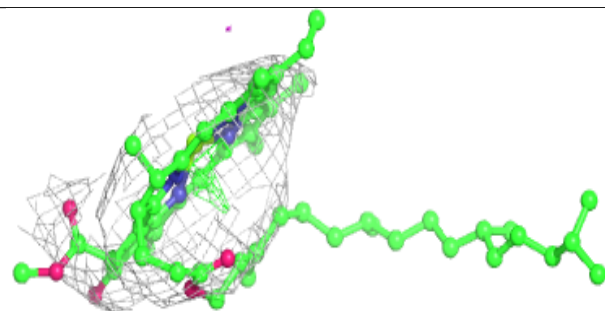
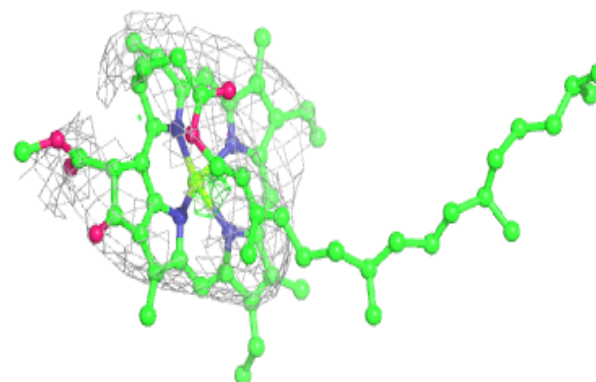


**Electron density around CLA A6 1639:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

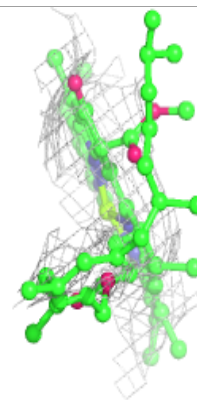
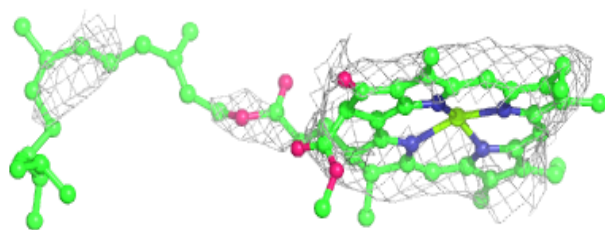
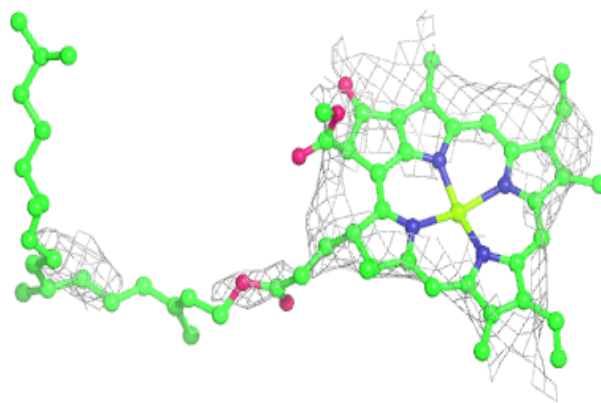
**Electron density around CLA A6 1640:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

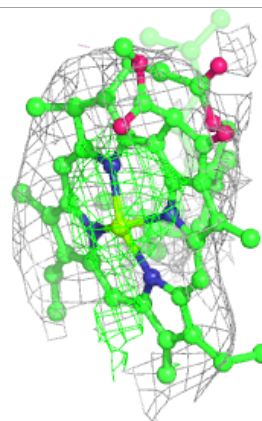
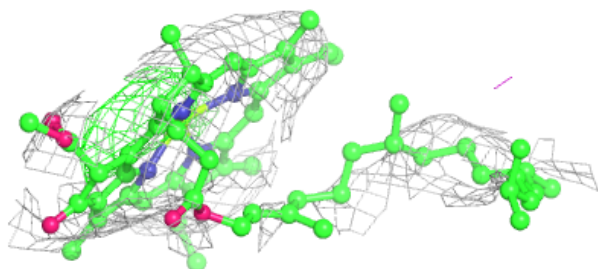
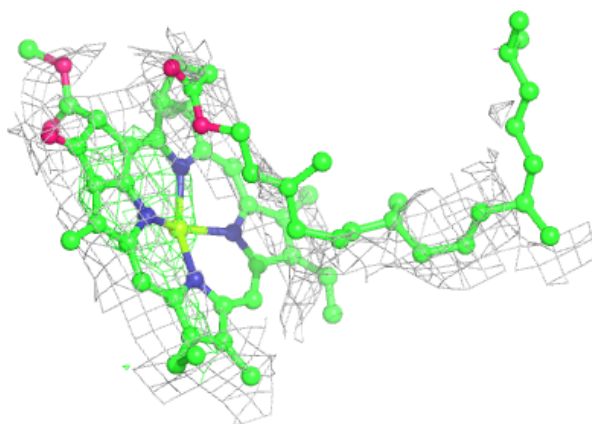


**Electron density around CLA B2 825:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

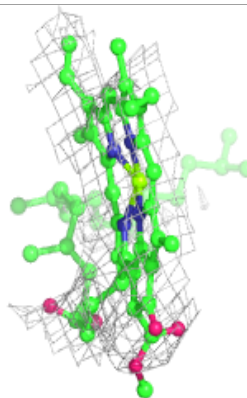
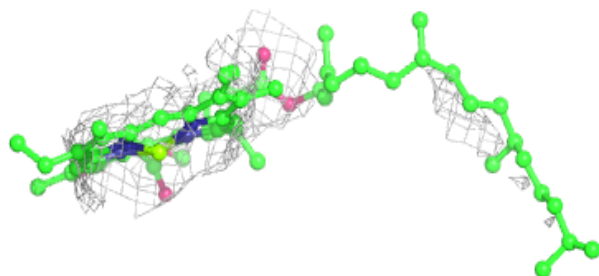
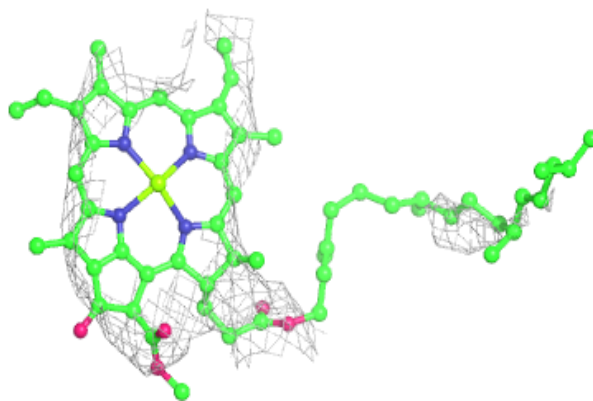
**Electron density around CLA A4 841:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

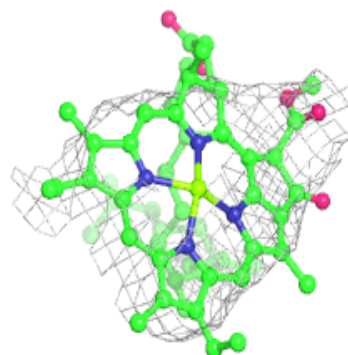
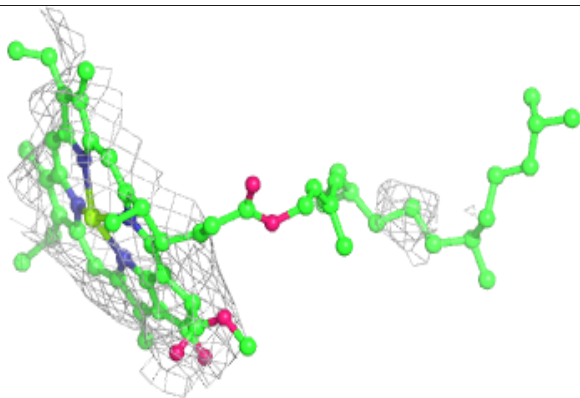
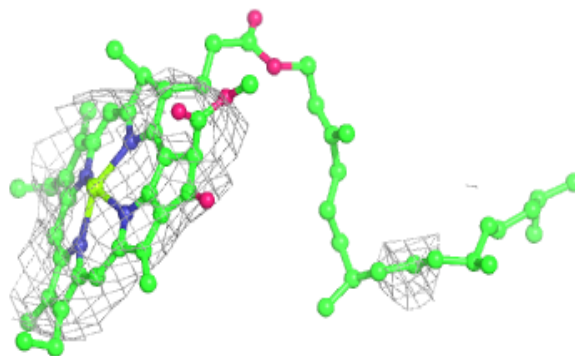


**Electron density around CLA B3 1805:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

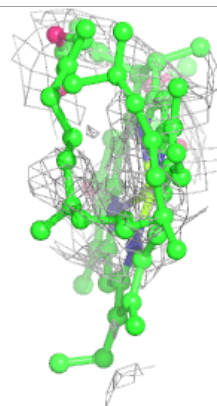
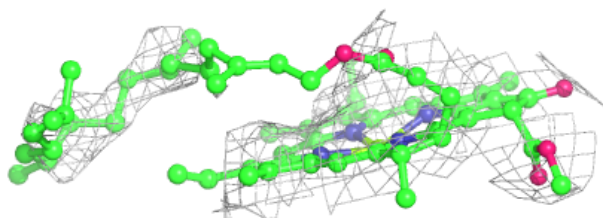
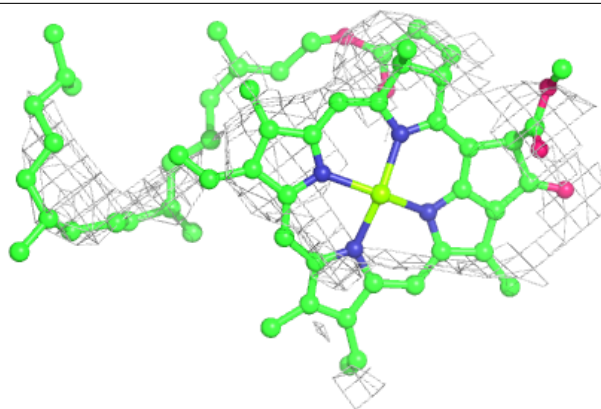
**Electron density around CLA B6 804:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

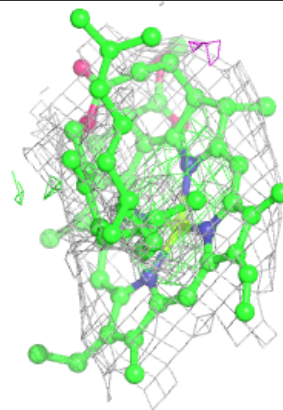
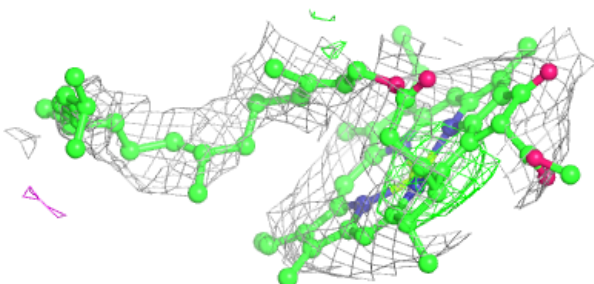
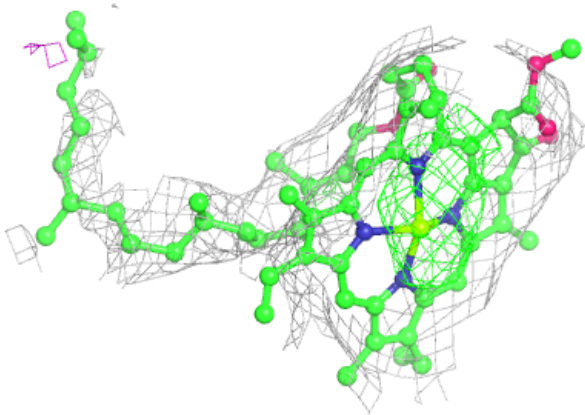


**Electron density around CLA A3 819:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

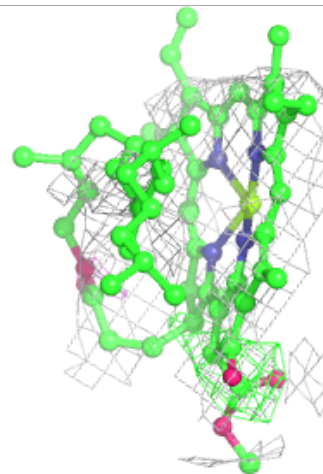
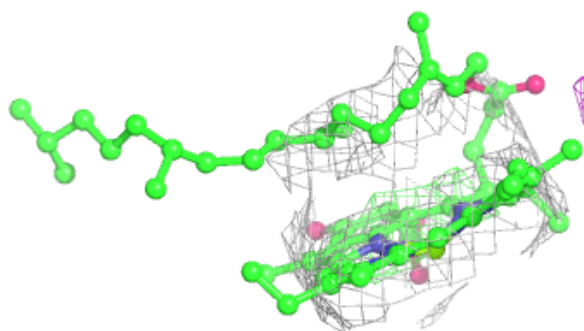
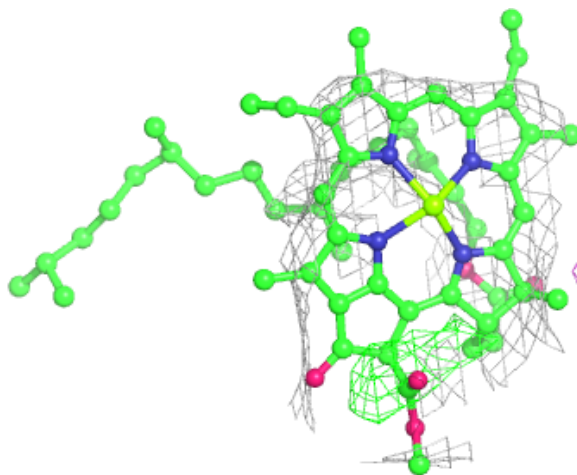
**Electron density around CLA A5 842:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

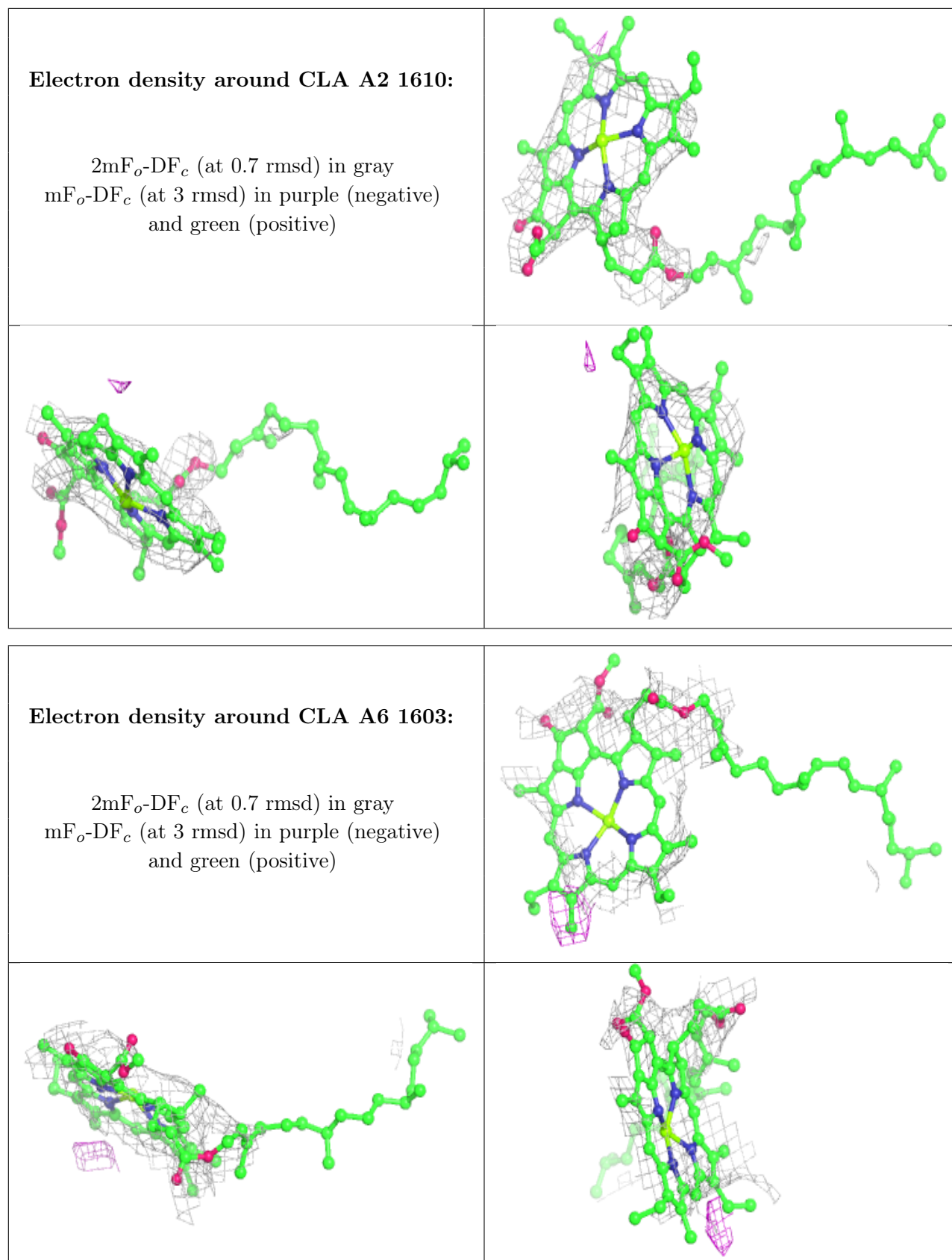


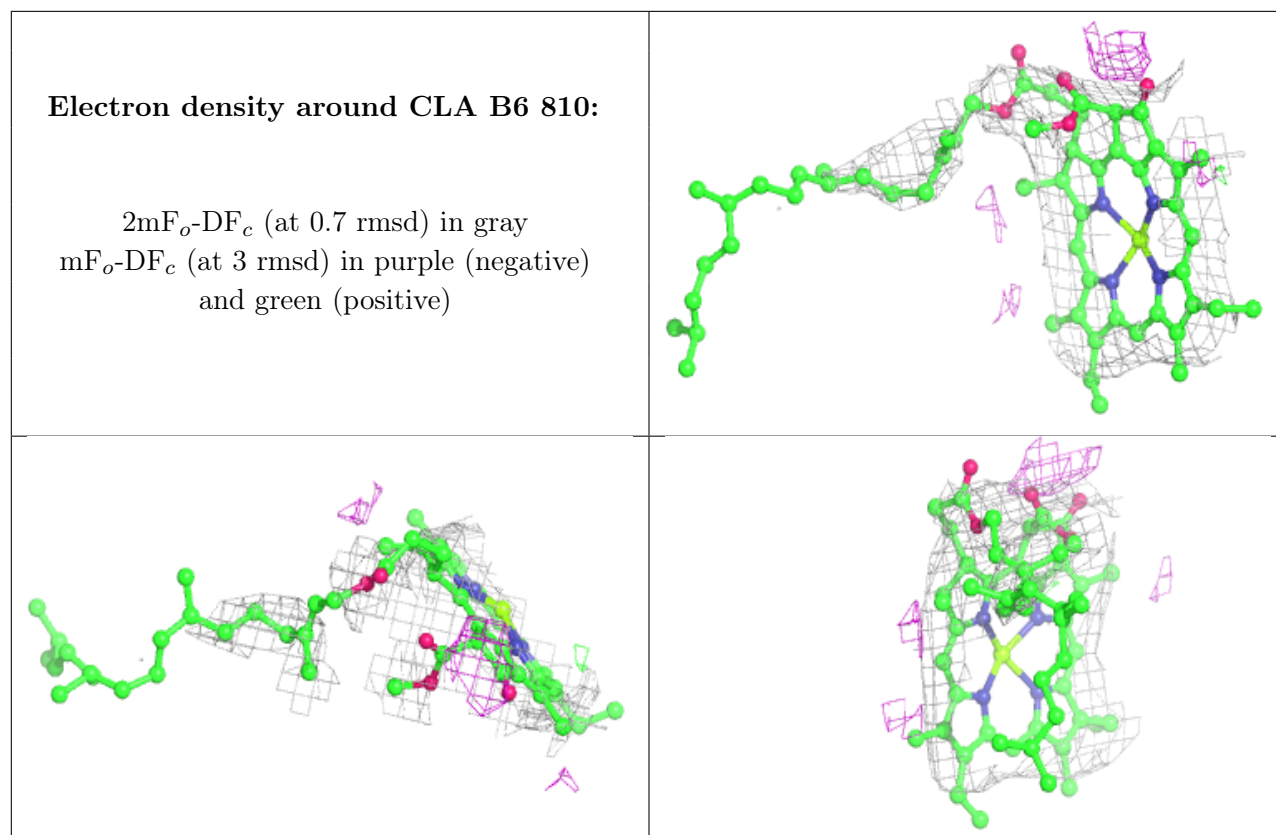
**Electron density around CLA B2 826:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



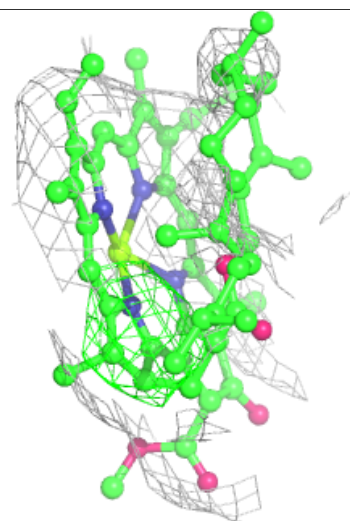
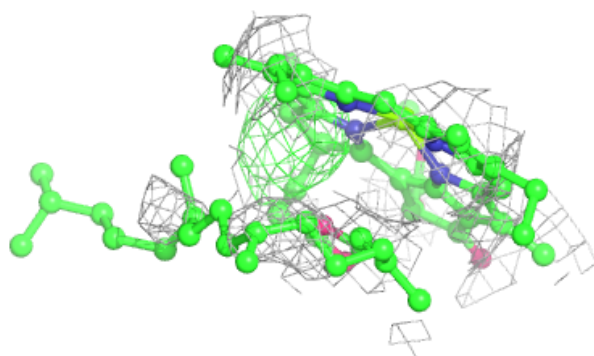
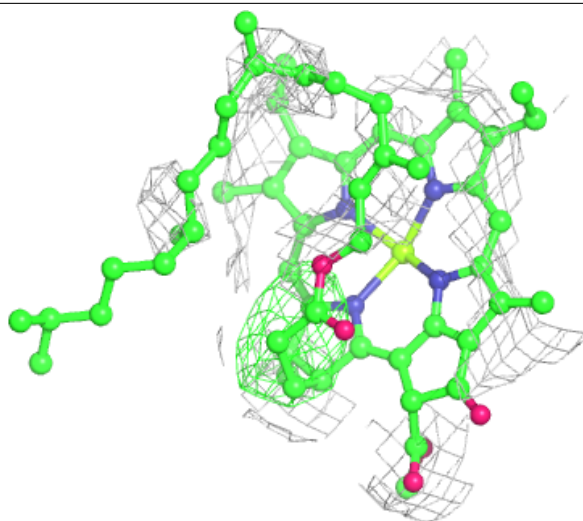


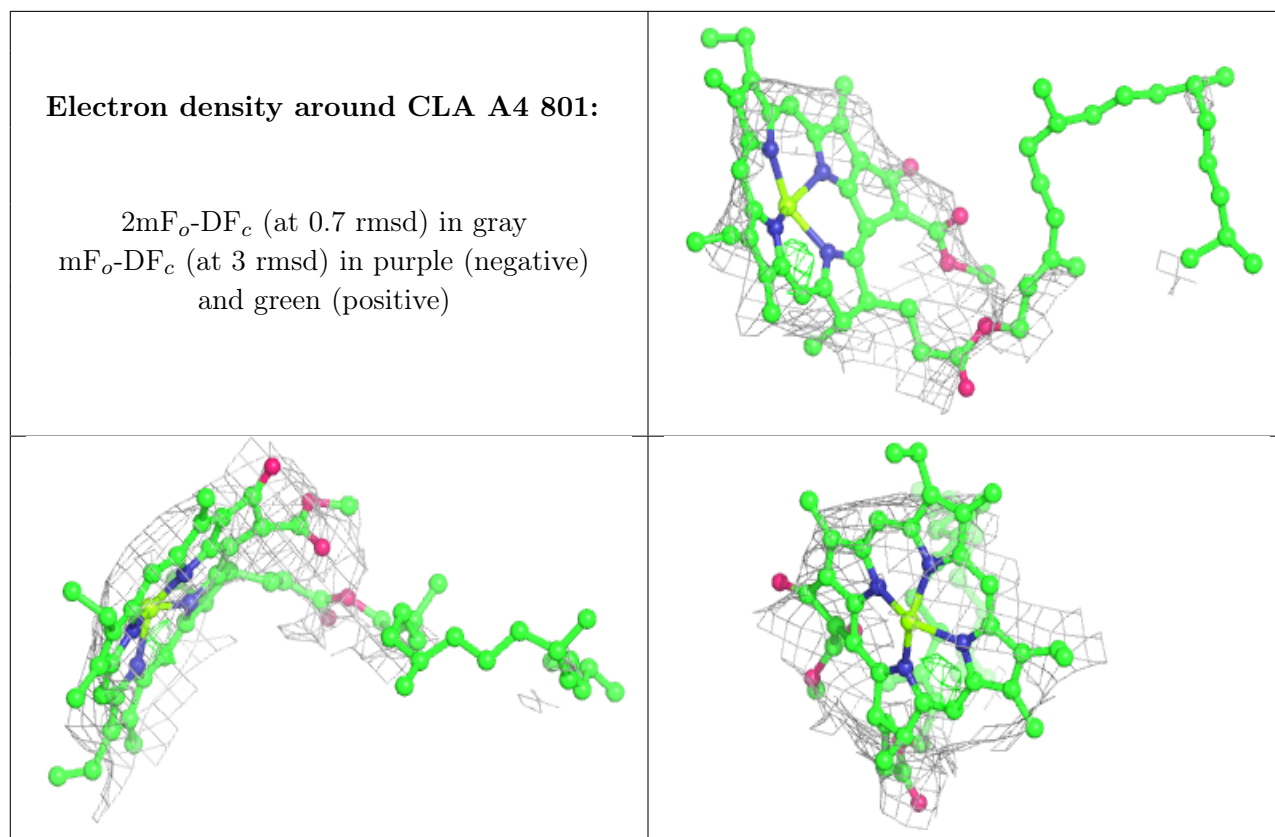




**Electron density around CLA B3 1810:**

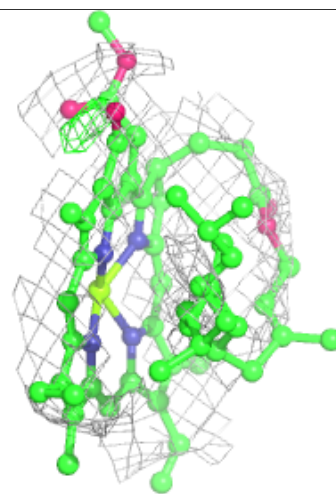
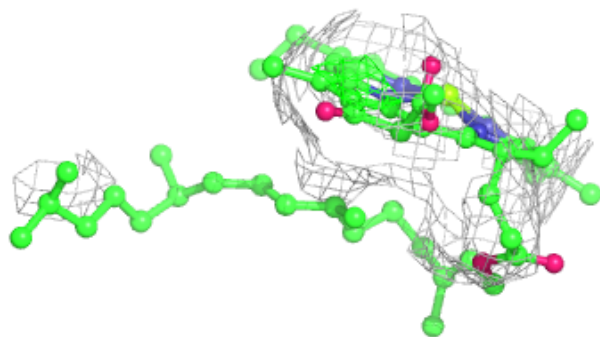
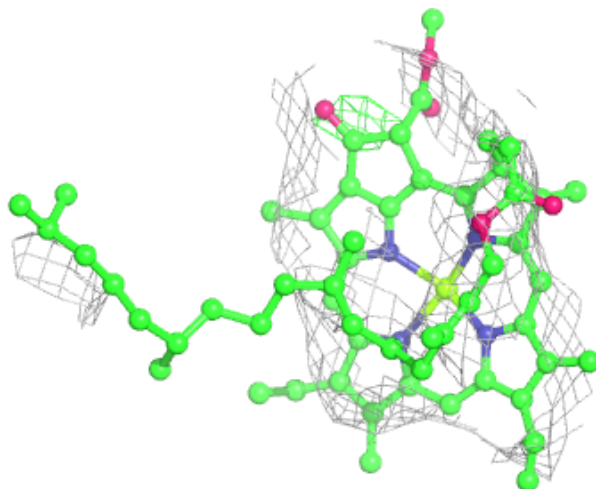
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





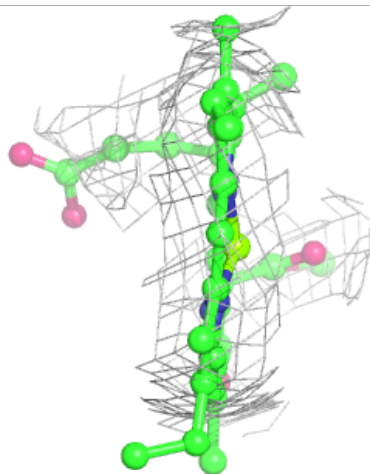
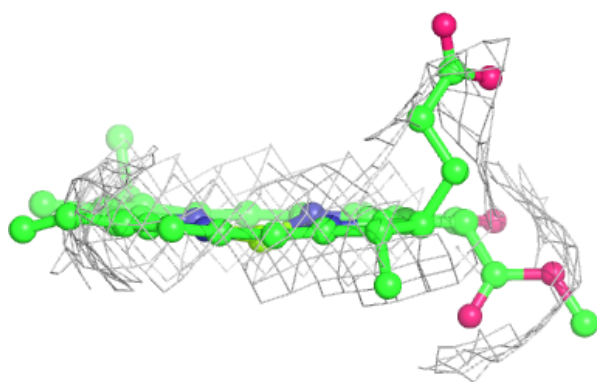
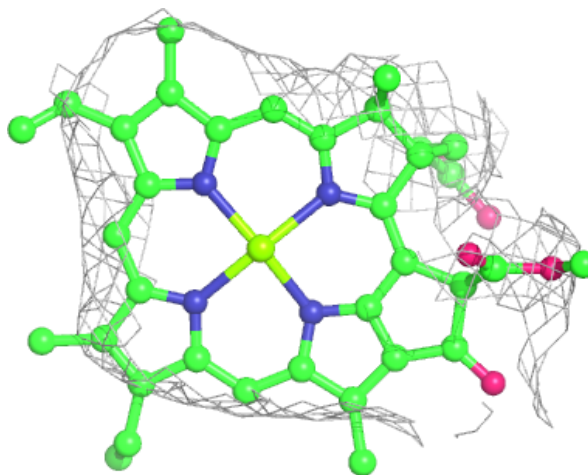
**Electron density around CLA B4 829:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



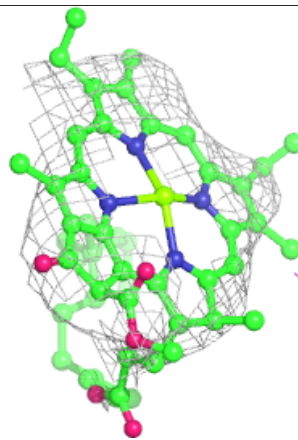
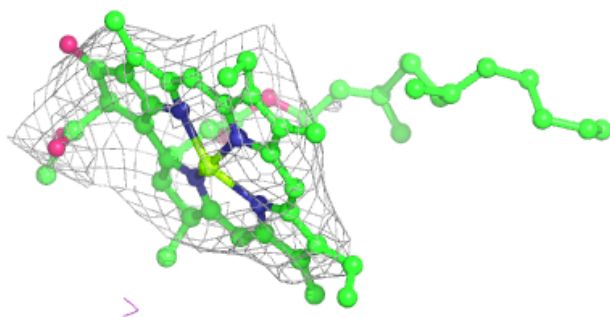
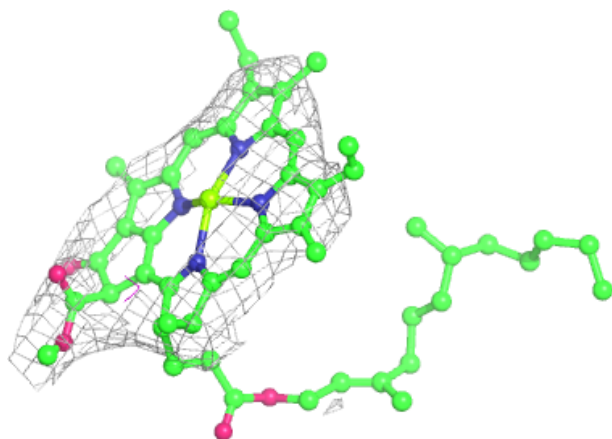
**Electron density around CLA B2 811:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

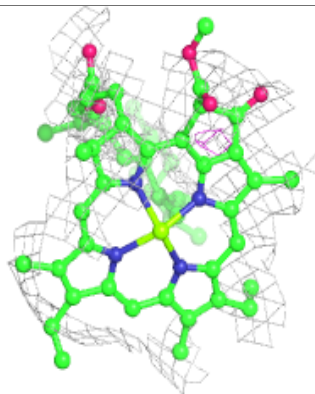
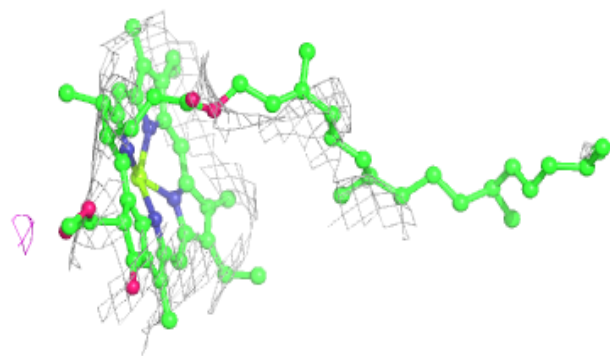
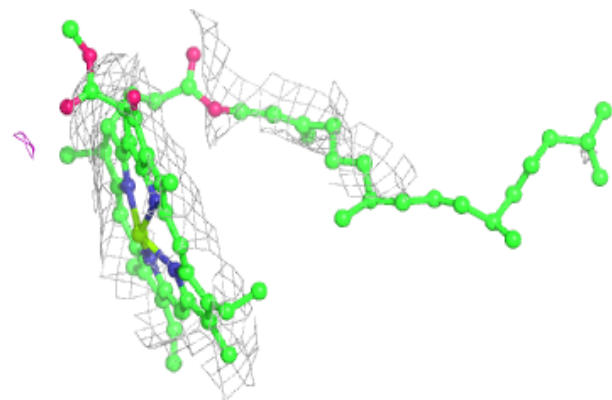


**Electron density around CLA A2 1626:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

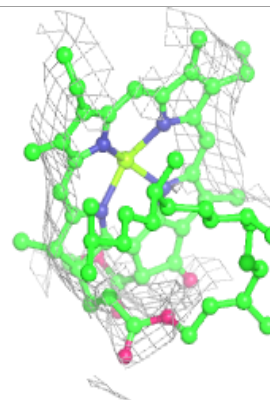
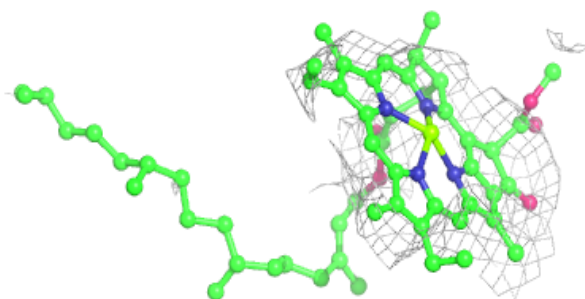
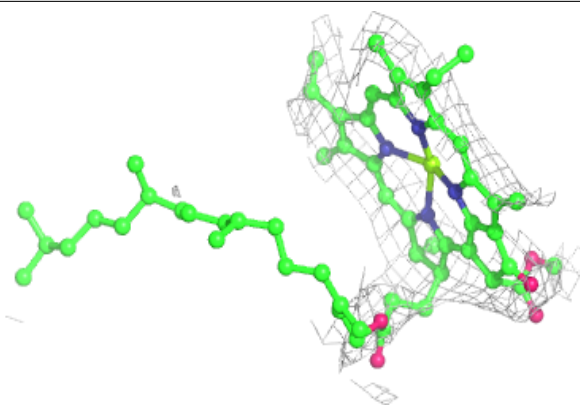
**Electron density around CLA A6 1611:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

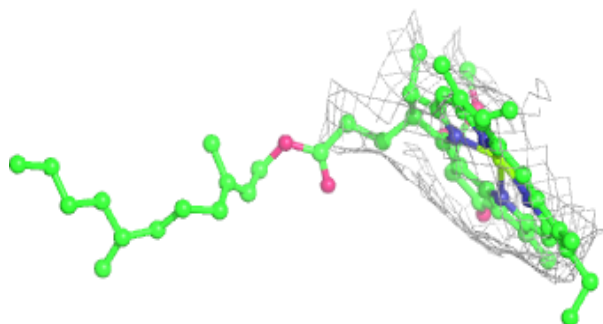
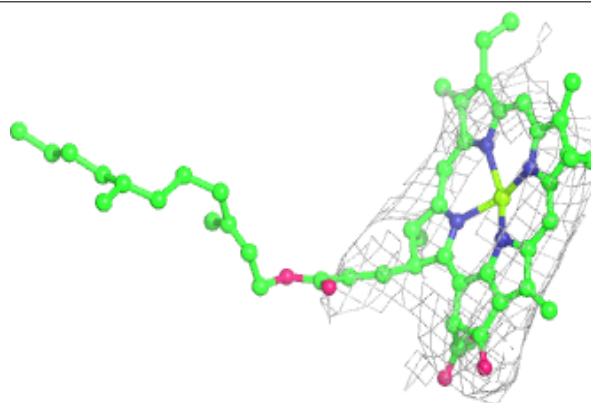


**Electron density around CLA B2 813:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B2 832:**

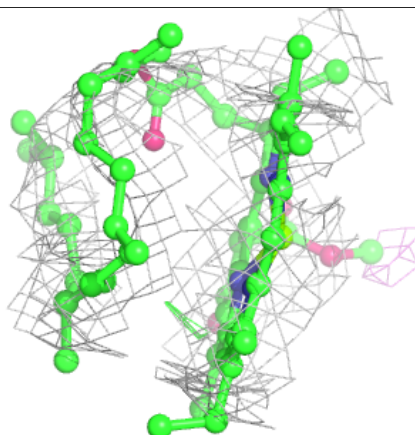
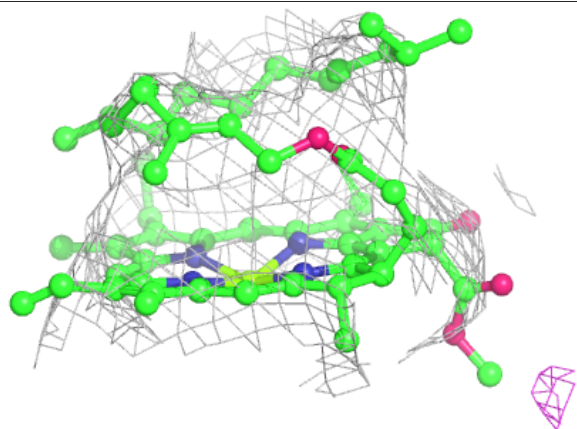
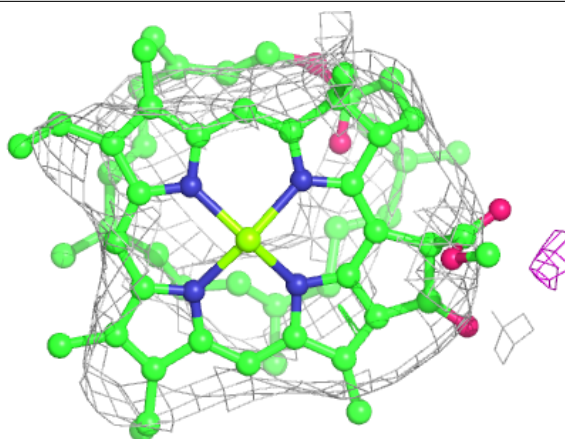
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



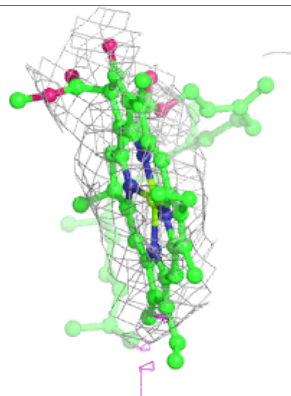
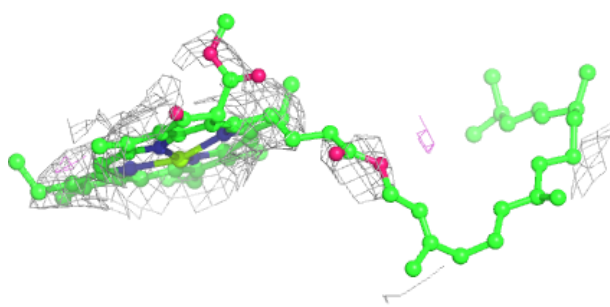
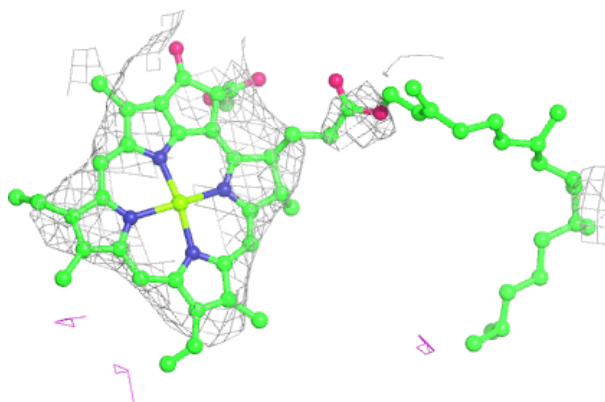


**Electron density around CLA L5 204:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

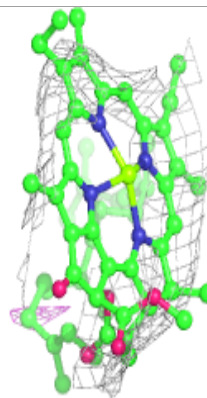
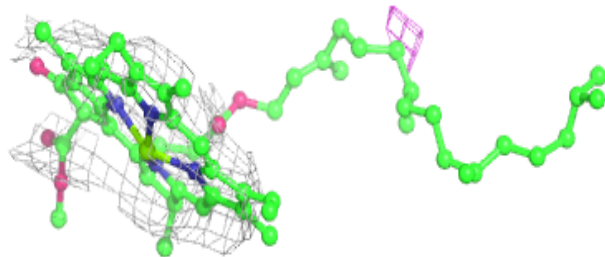
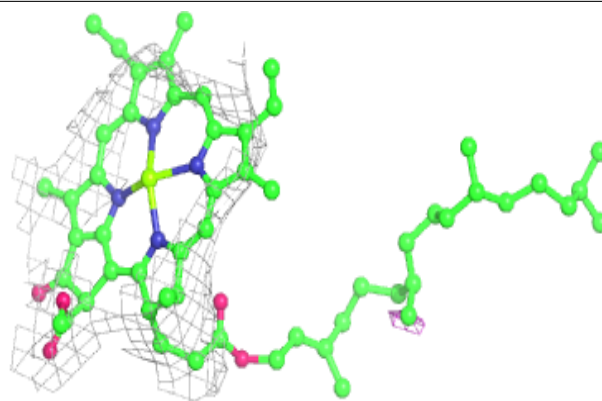
**Electron density around CLA A3 827:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

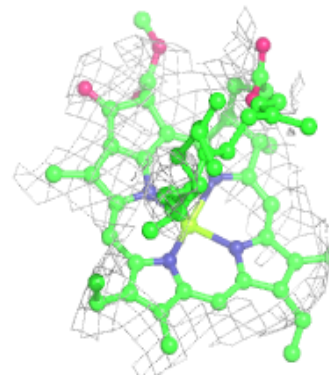
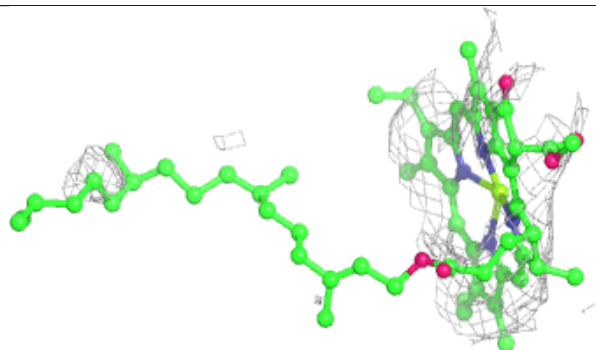
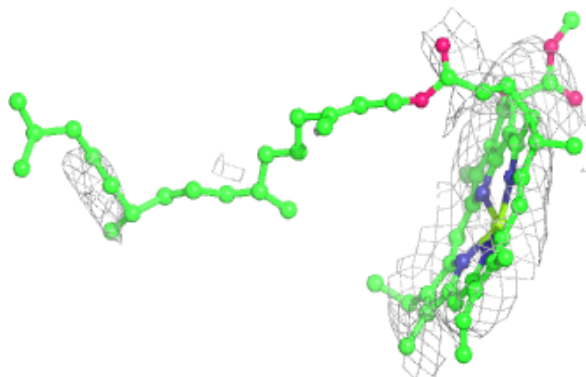


**Electron density around CLA A4 807:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

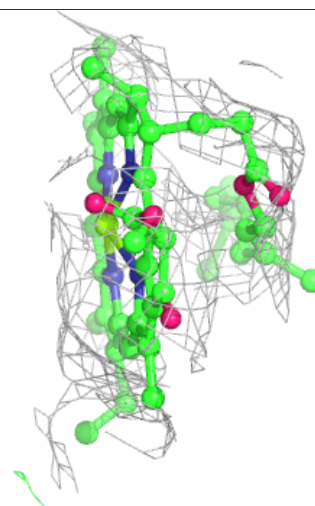
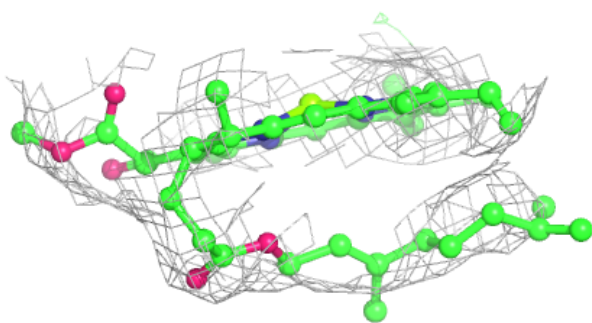
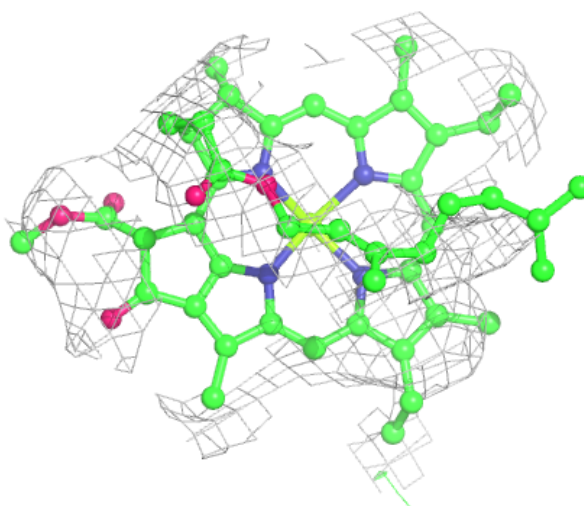
**Electron density around CLA A3 811:**

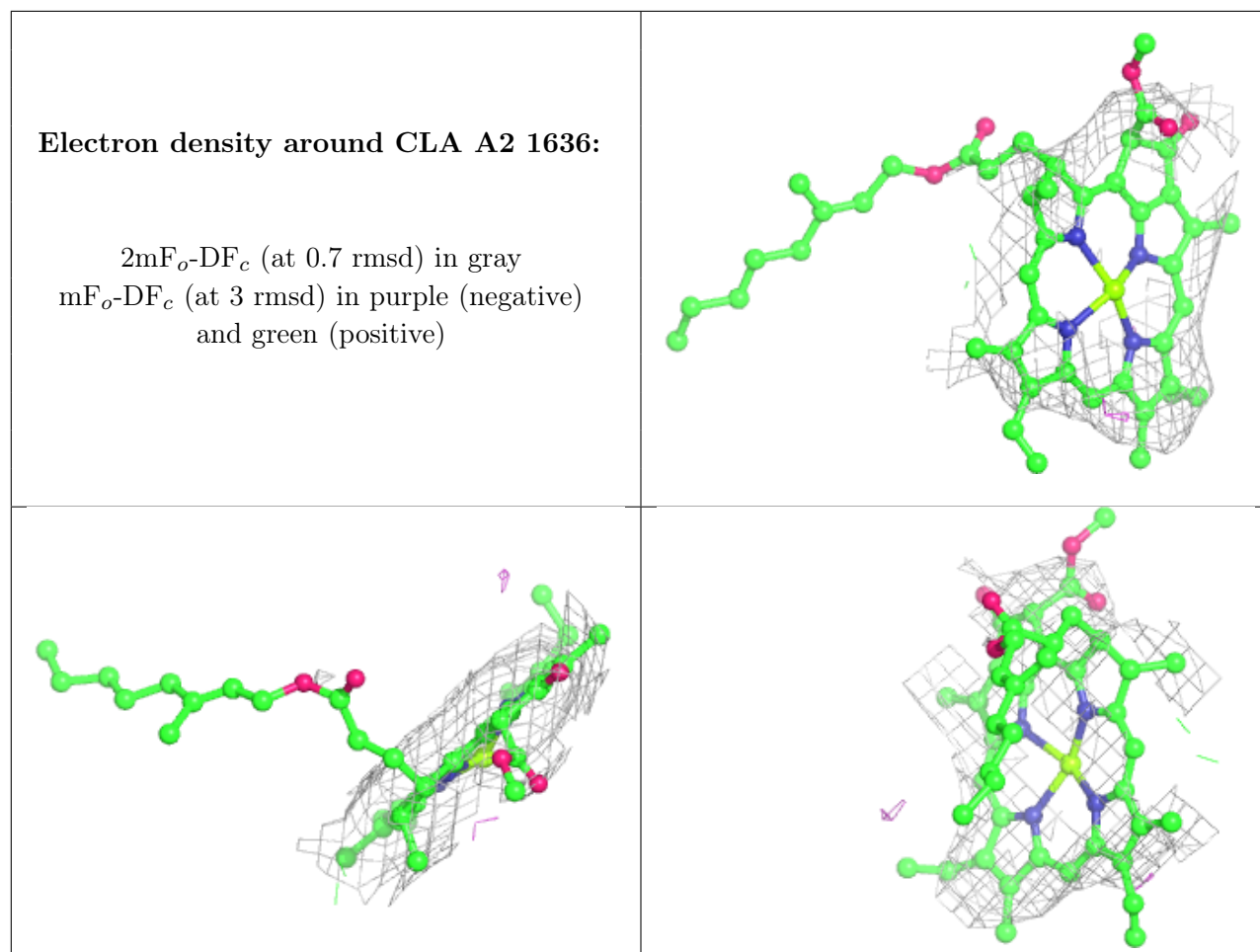
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

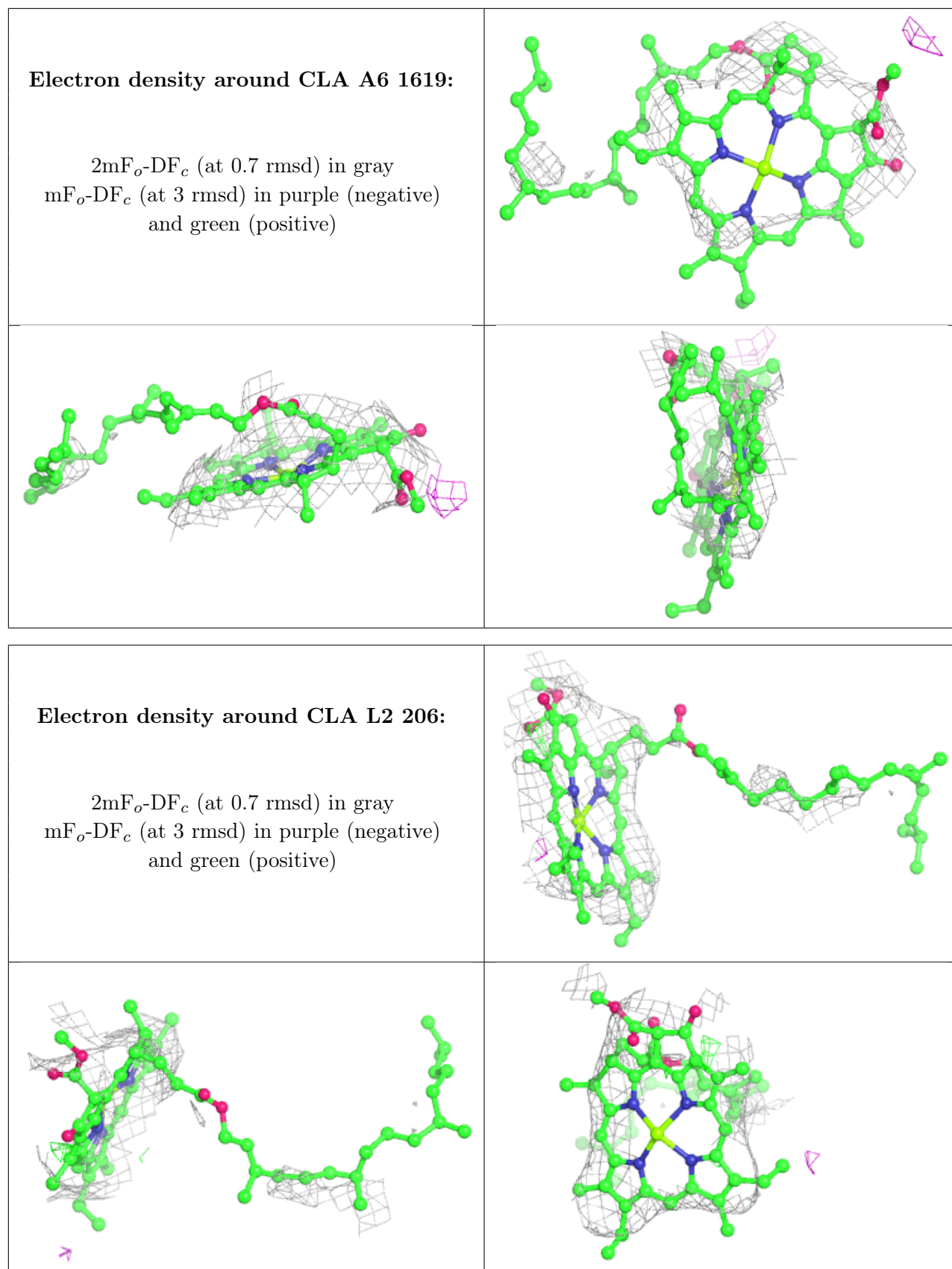


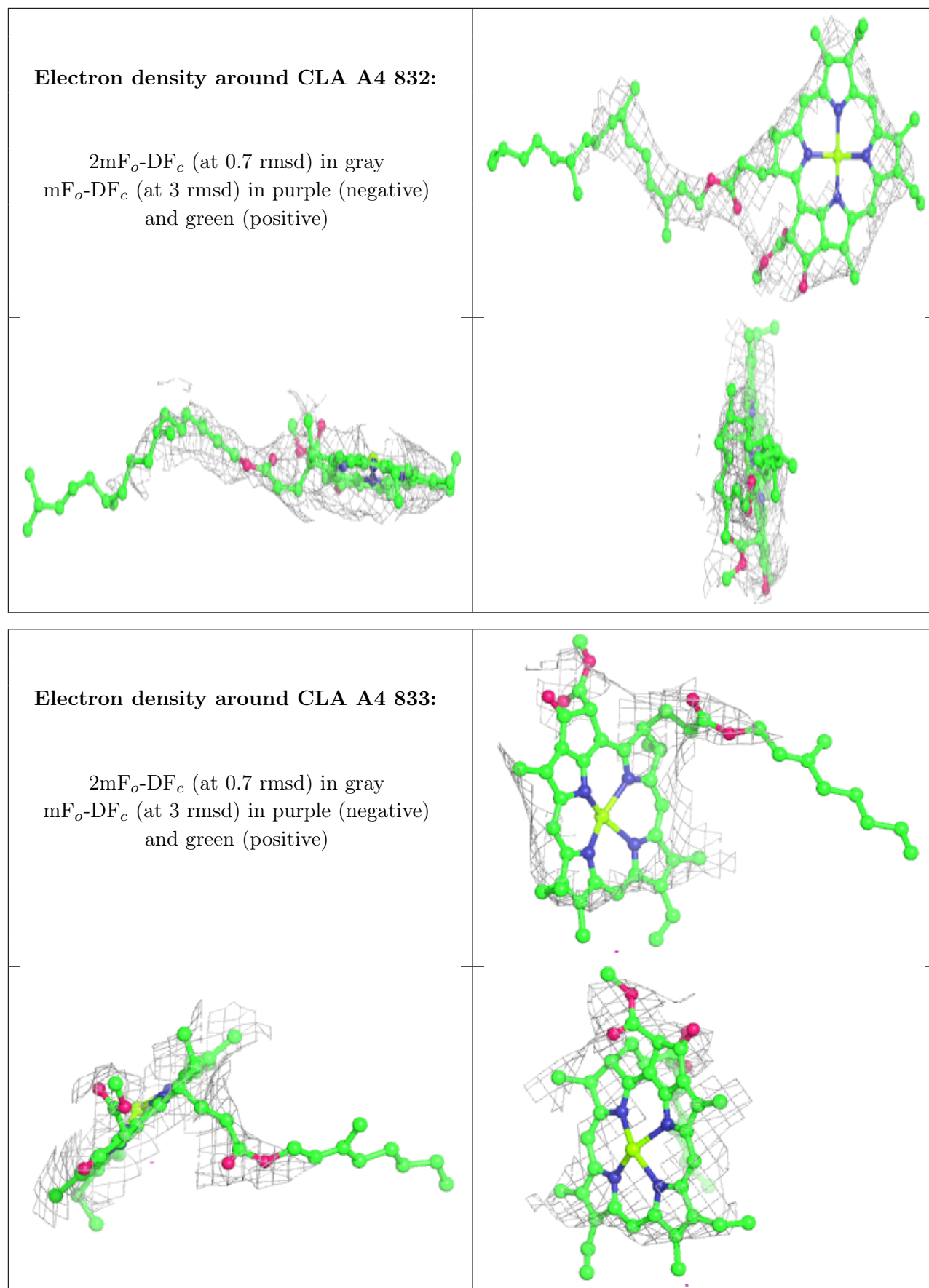
**Electron density around CLA B6 822:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



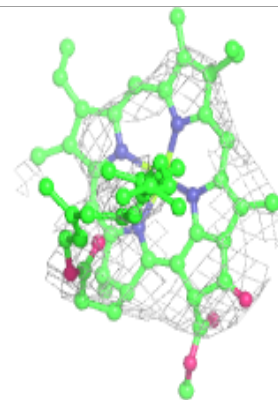
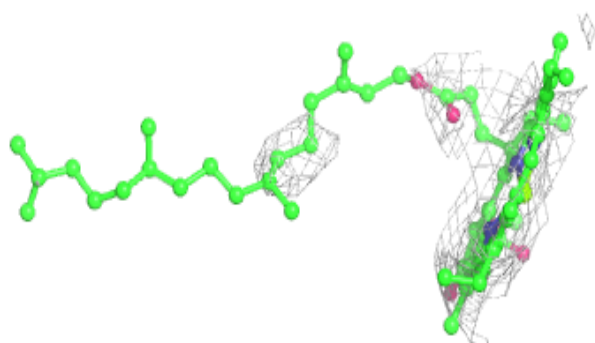
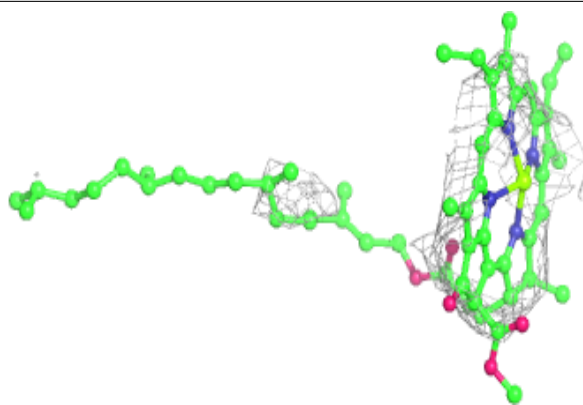




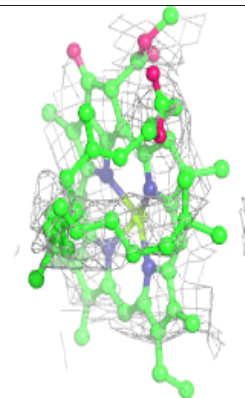
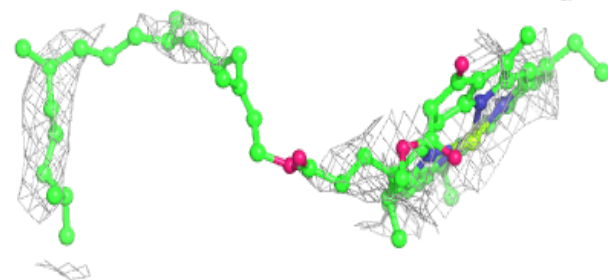
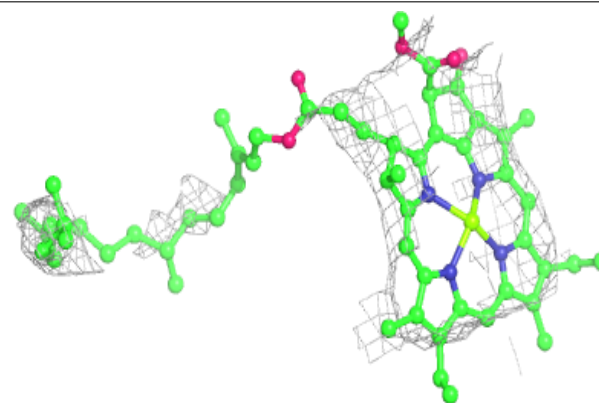


**Electron density around CLA B6 828:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

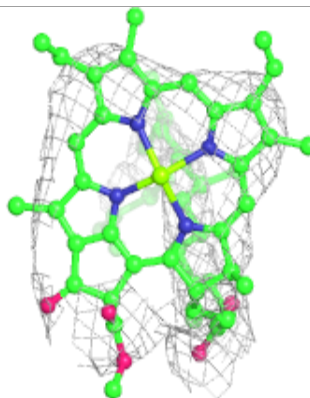
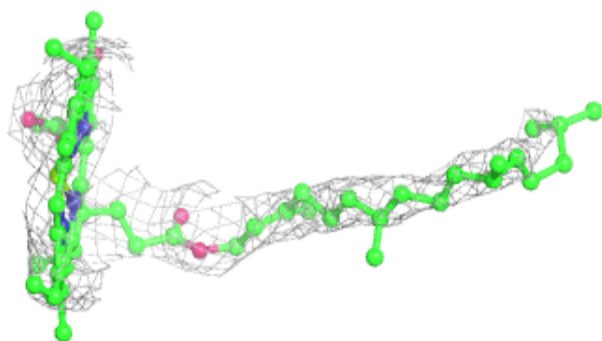
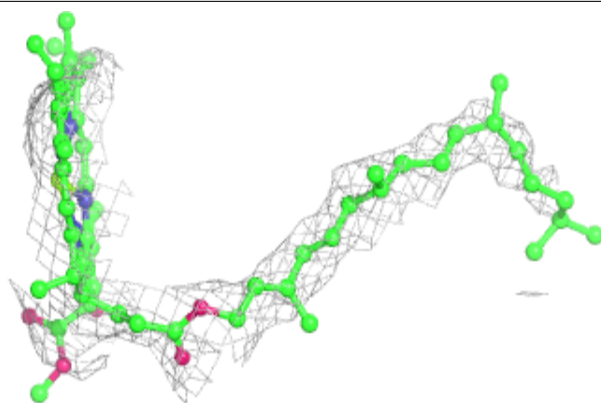
**Electron density around CLA B2 808:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

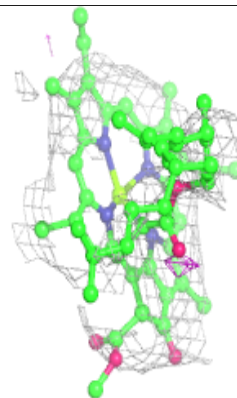
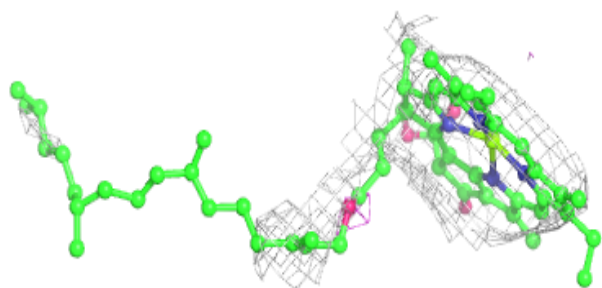
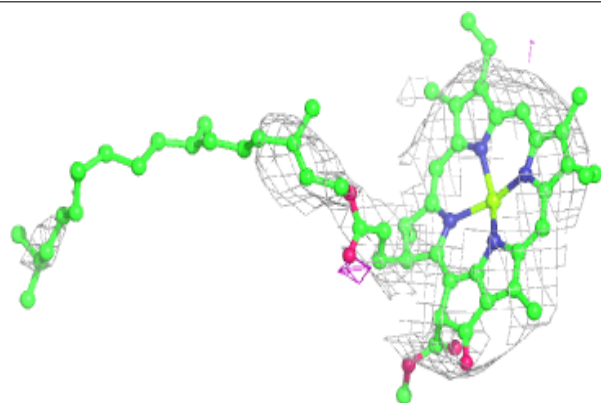


**Electron density around CLA B3 1843:**

$2mF_o-DF_c$  (at 0.7 rnsd) in gray  
 $mF_o-DF_c$  (at 3 rnsd) in purple (negative)  
and green (positive)

**Electron density around CLA A3 821:**

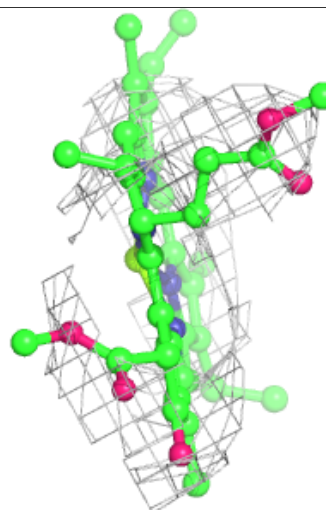
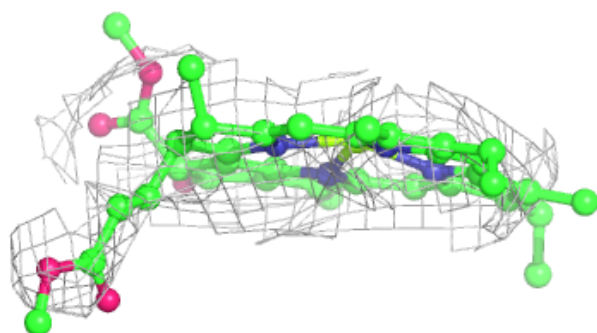
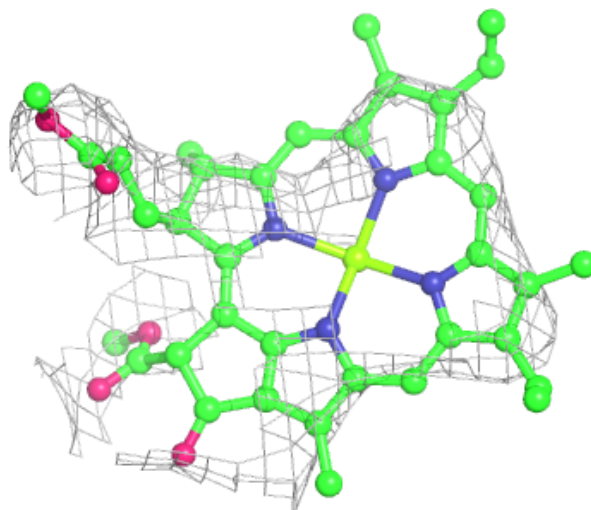
$2mF_o-DF_c$  (at 0.7 rnsd) in gray  
 $mF_o-DF_c$  (at 3 rnsd) in purple (negative)  
and green (positive)





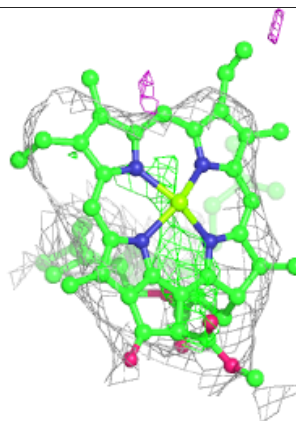
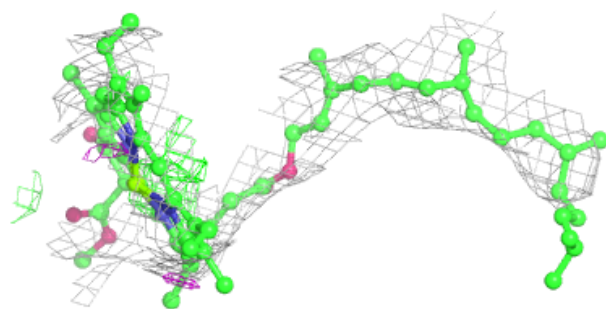
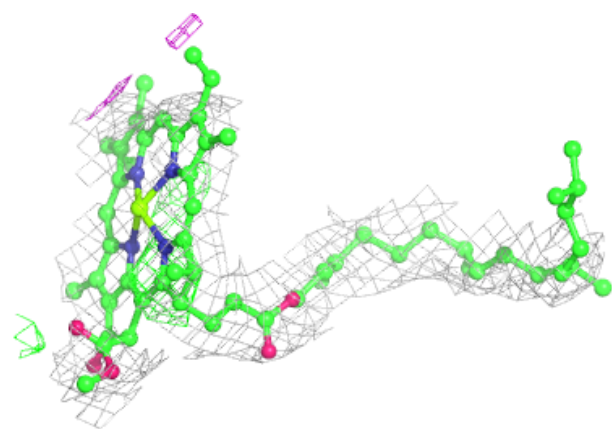
**Electron density around CLA B3 1827:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

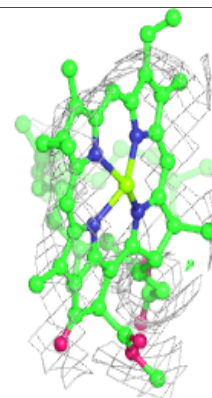
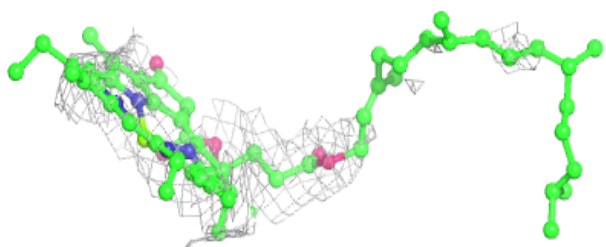
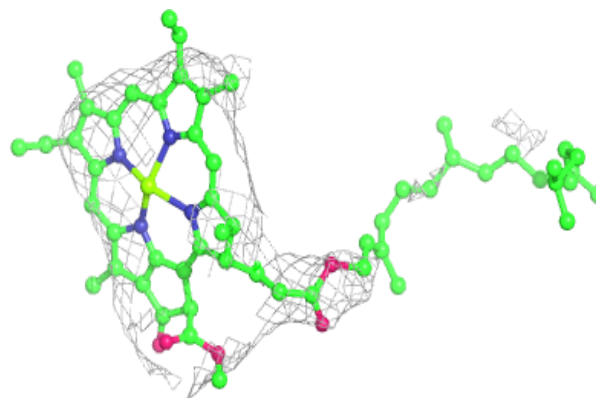


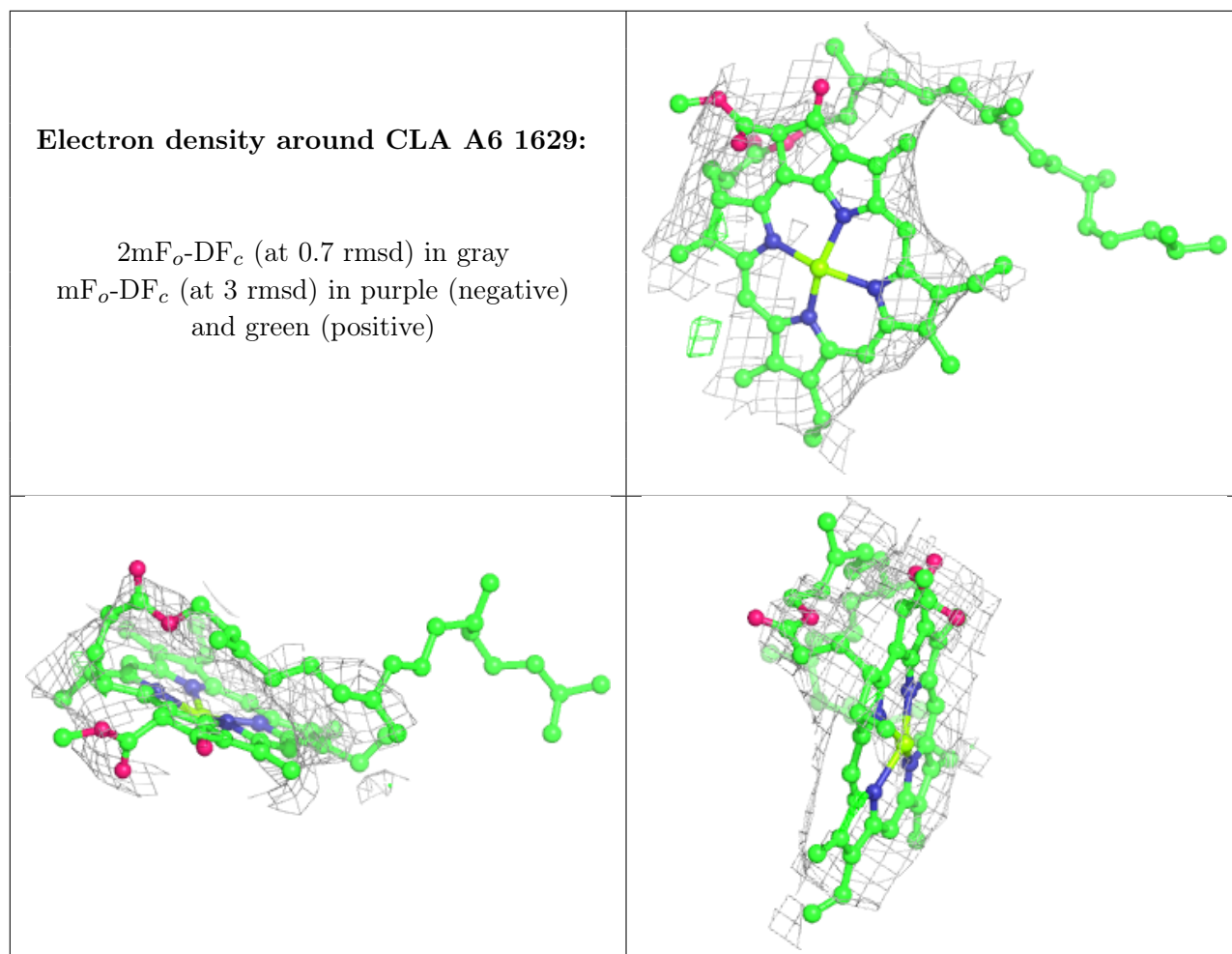
**Electron density around CLA L4 204:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B3 1811:**

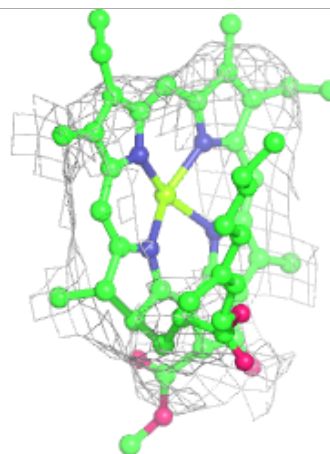
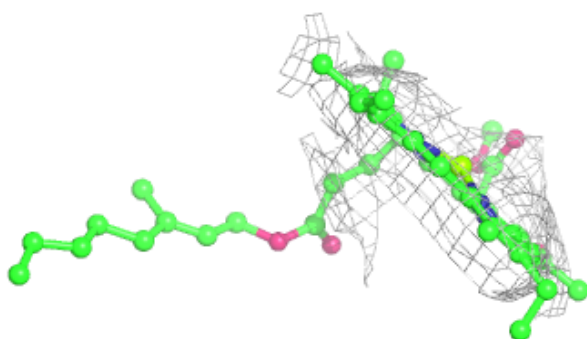
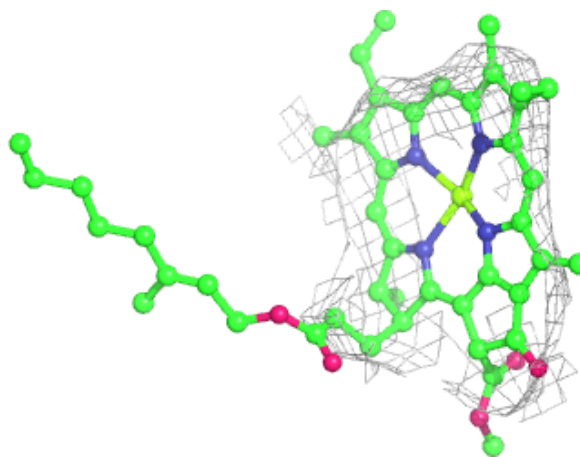
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





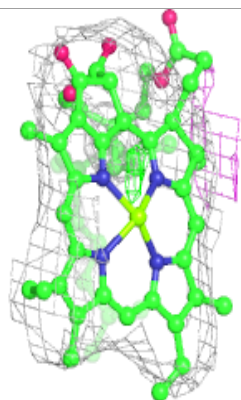
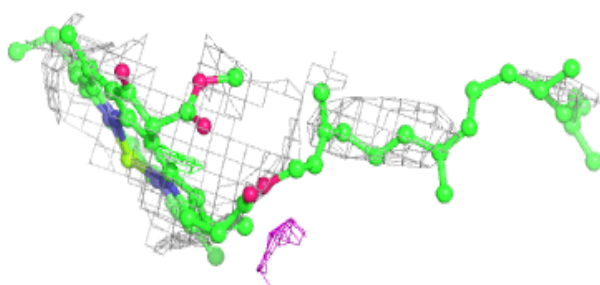
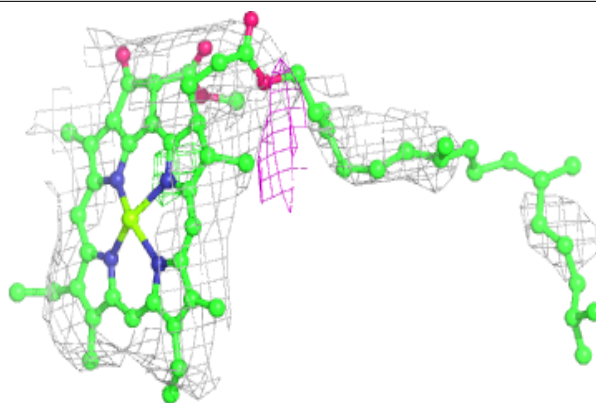
**Electron density around CLA A5 834:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

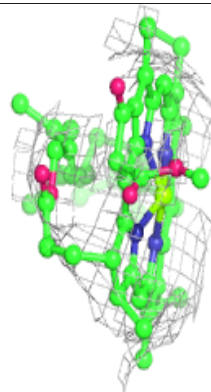
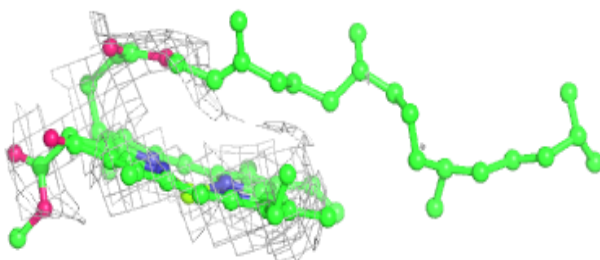
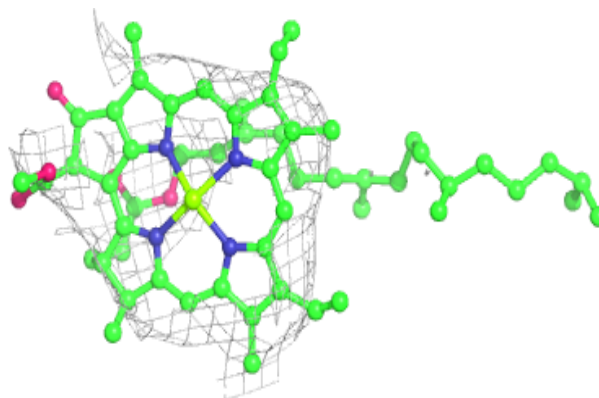


**Electron density around CLA B3 1812:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

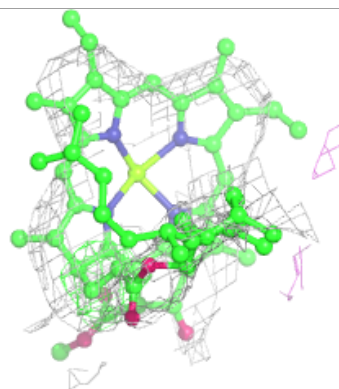
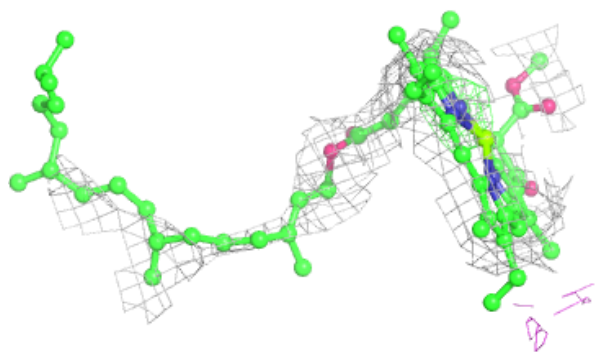
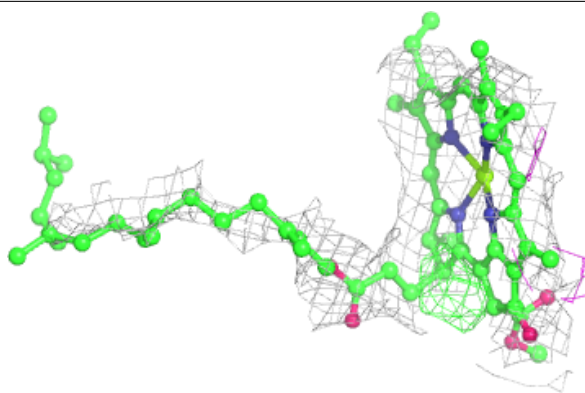
**Electron density around CLA A2 1639:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

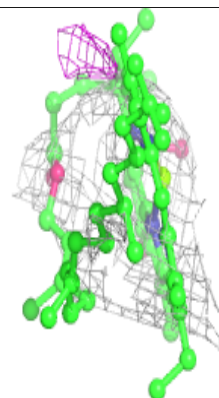
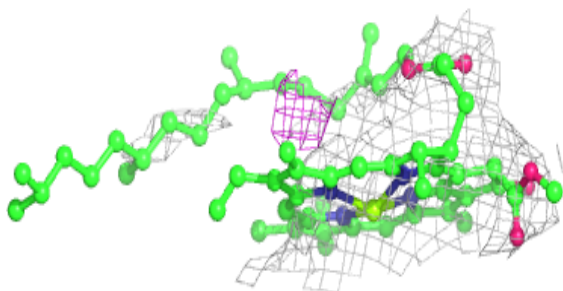
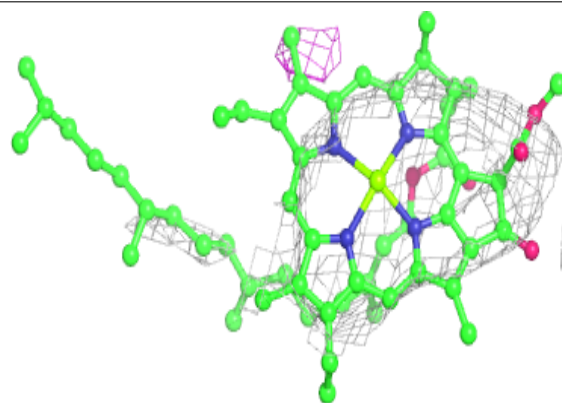


**Electron density around CLA L3 204:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

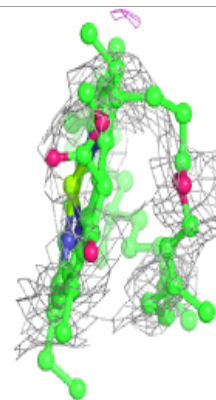
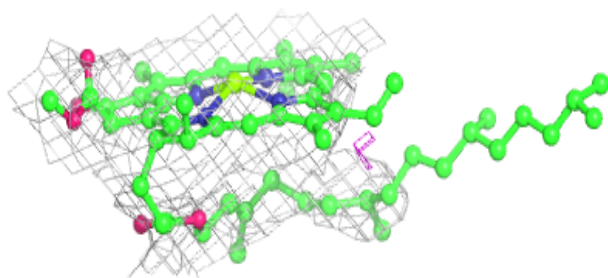
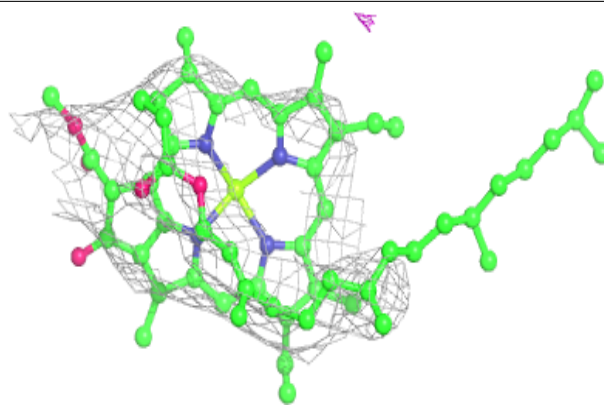
**Electron density around CLA A3 840:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

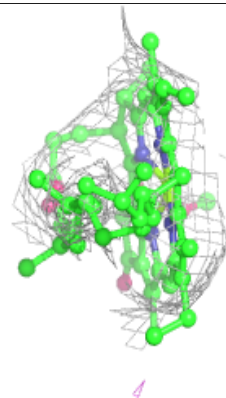
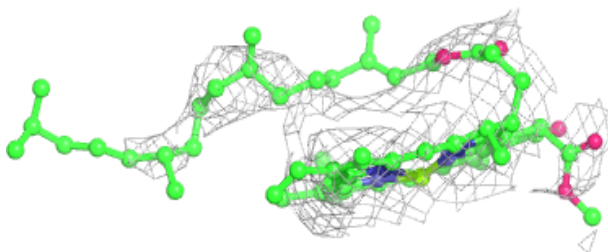
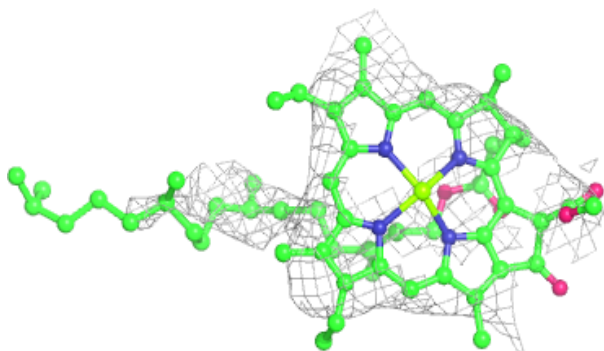


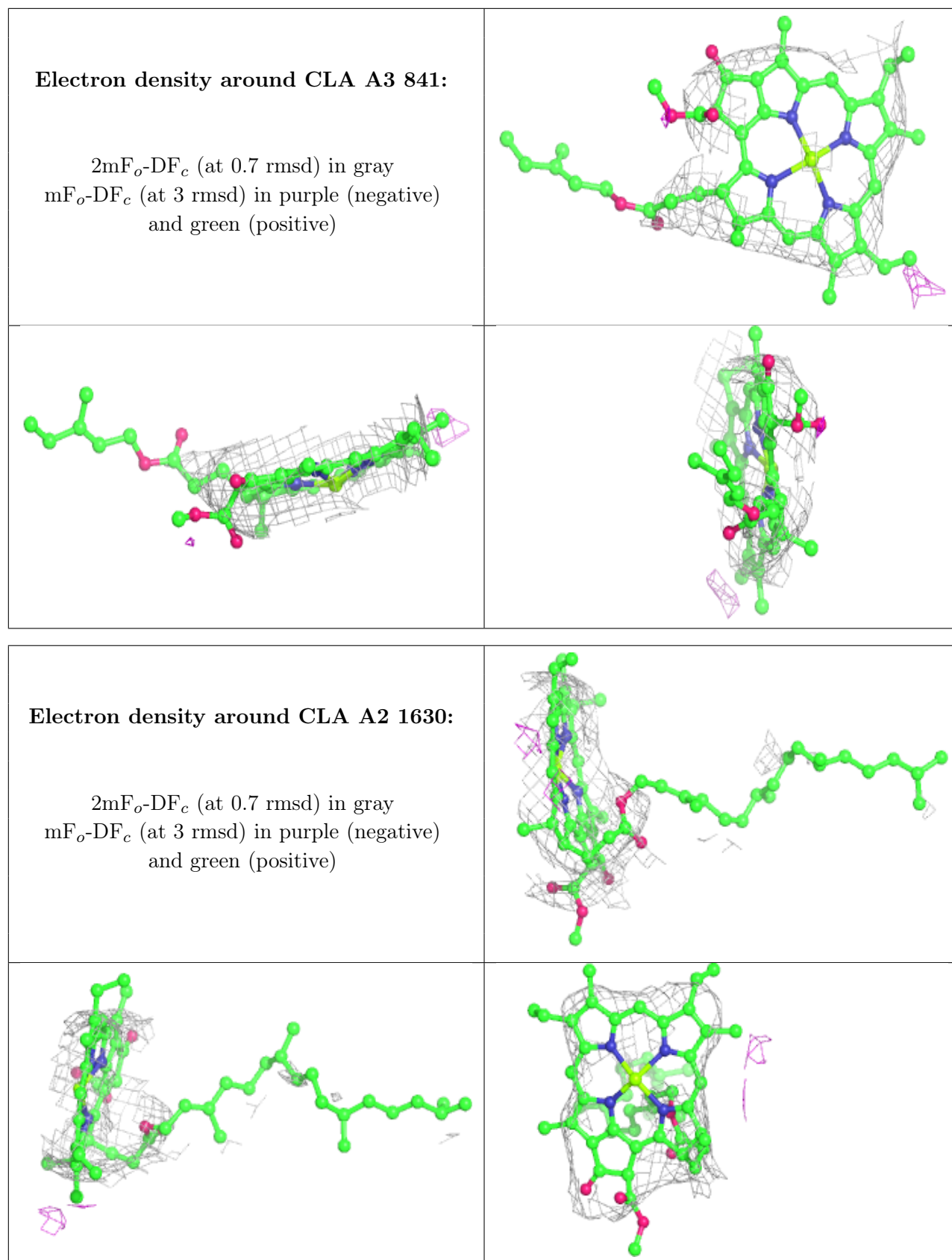
**Electron density around CLA A5 839:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A6 1637:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

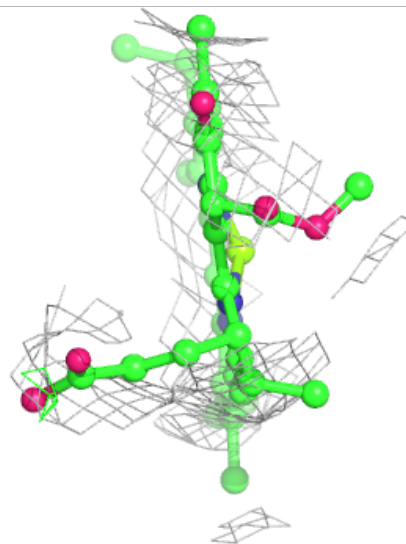
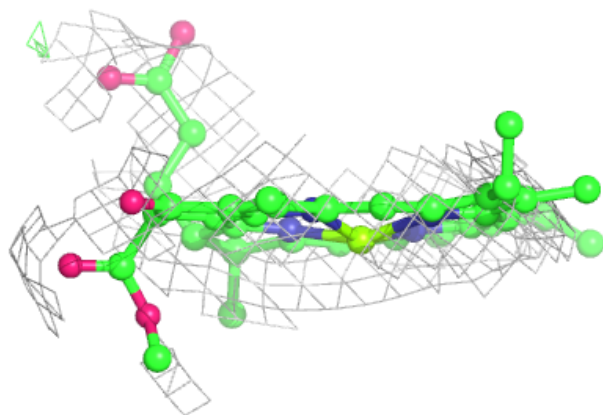
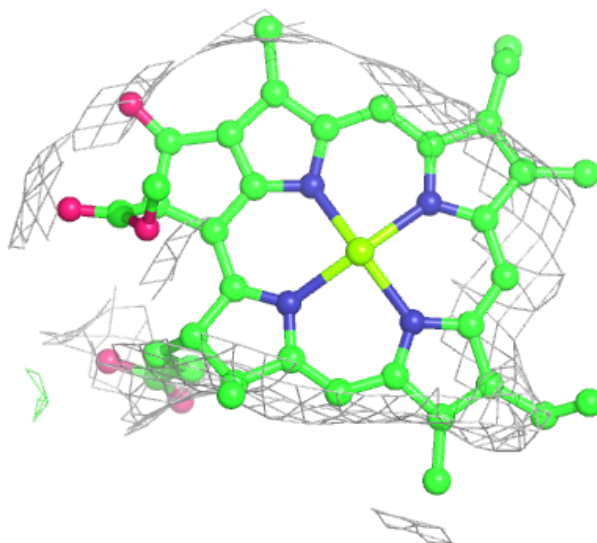


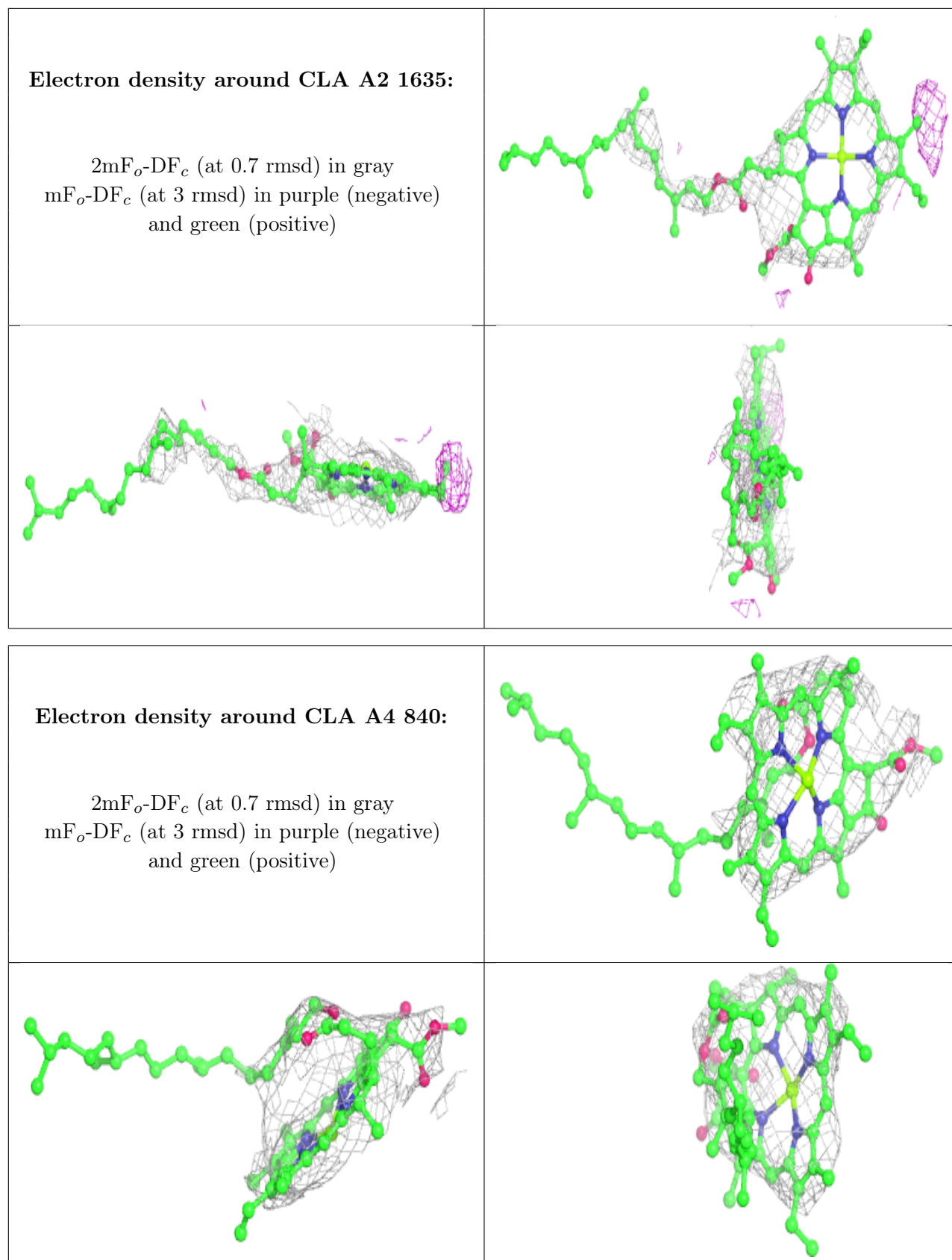


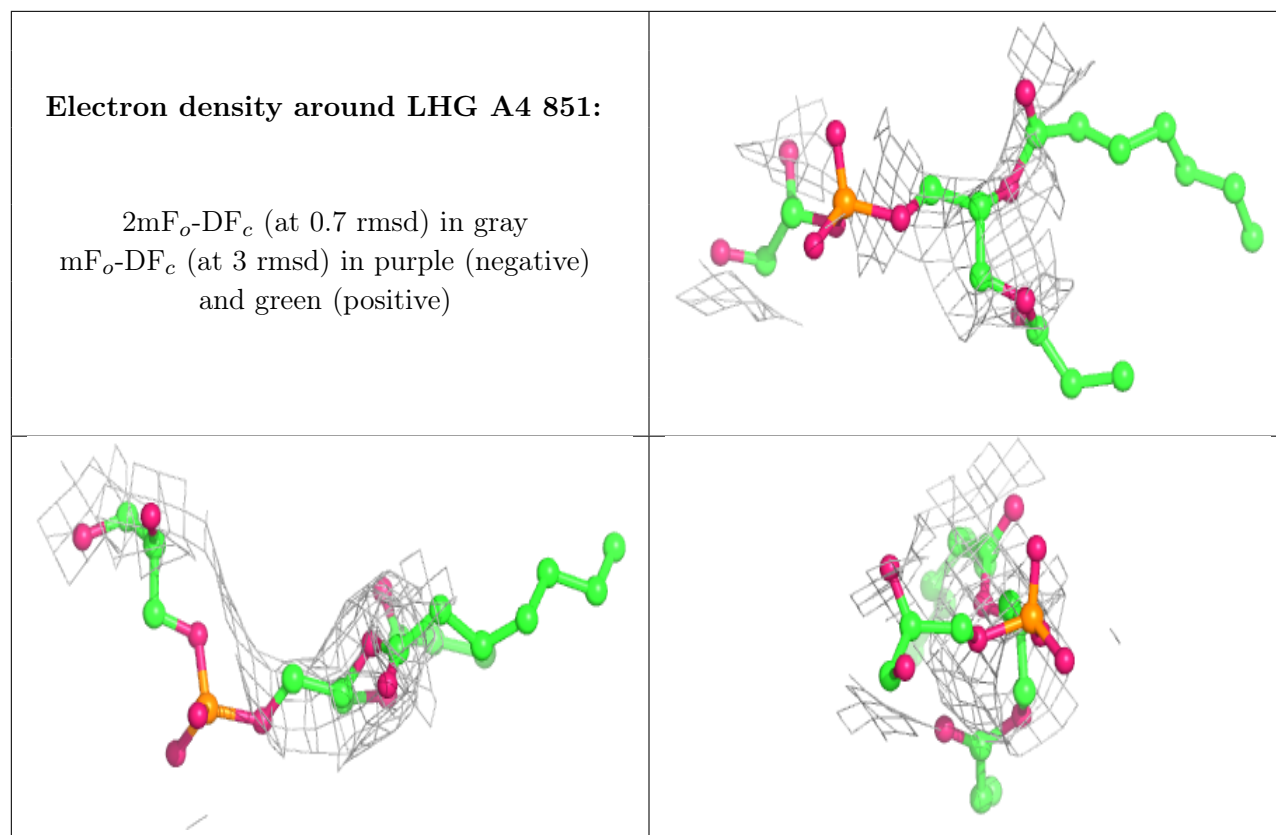


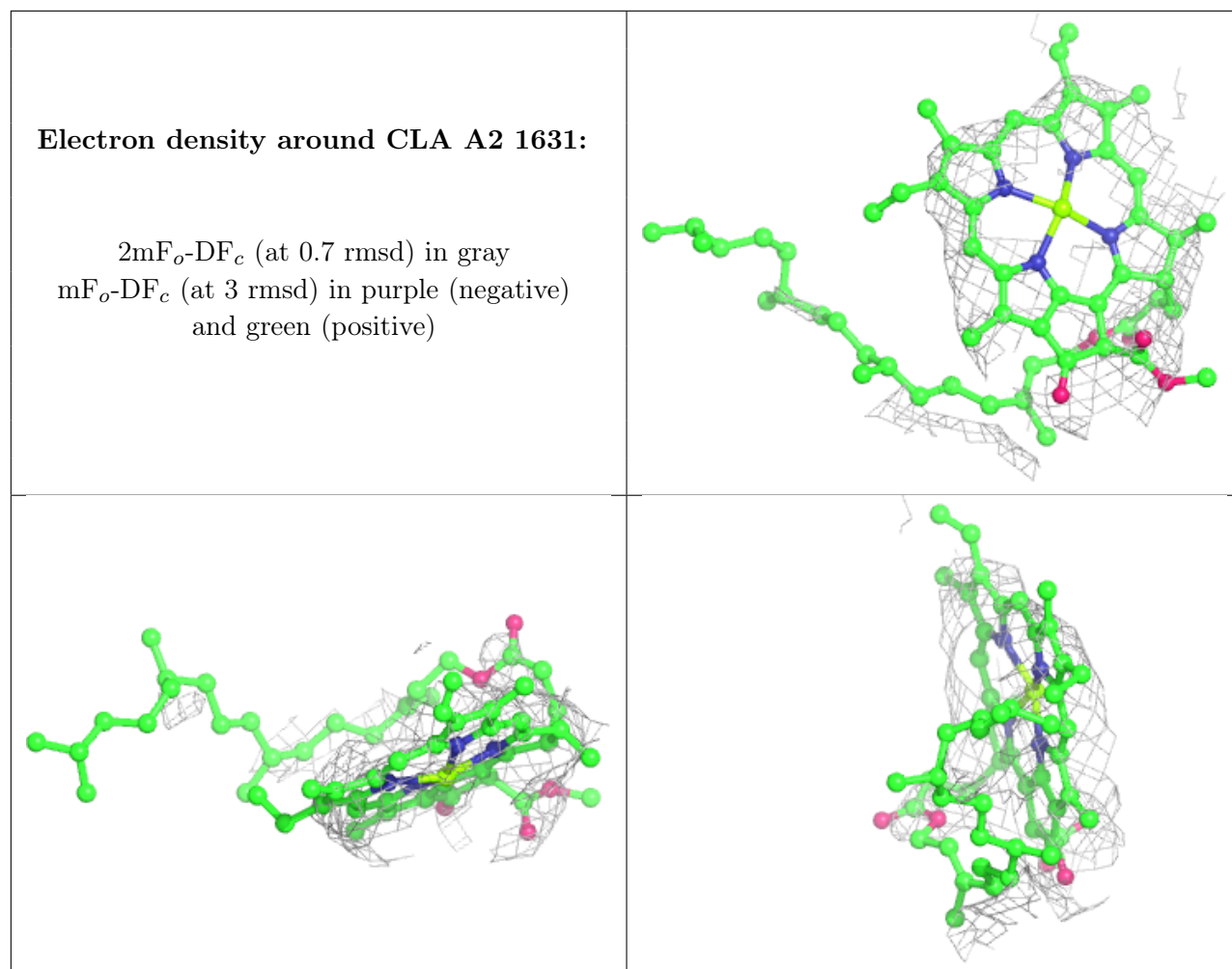
**Electron density around CLA B4 836:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



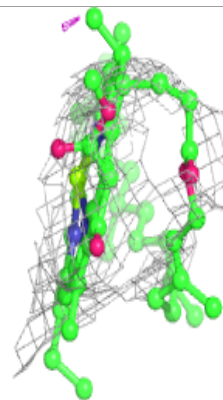
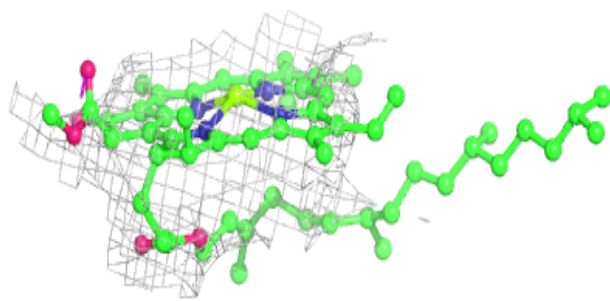
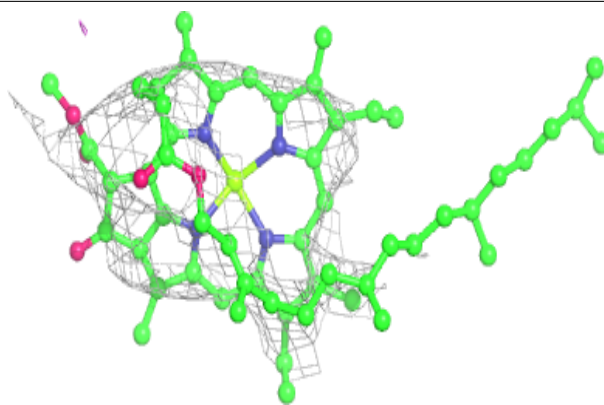




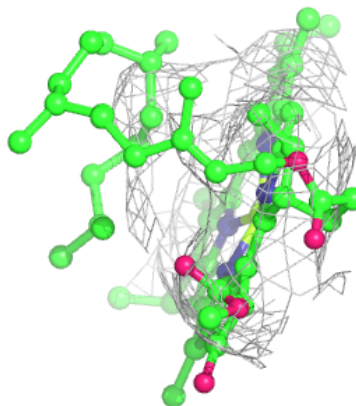
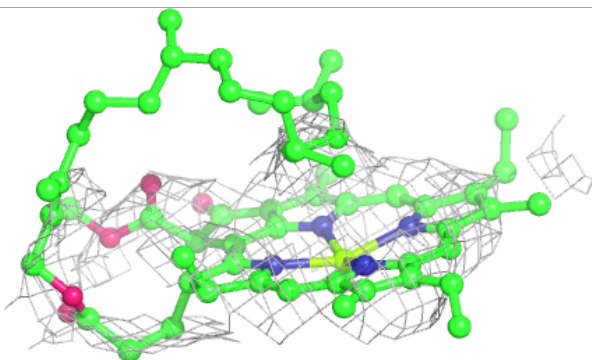
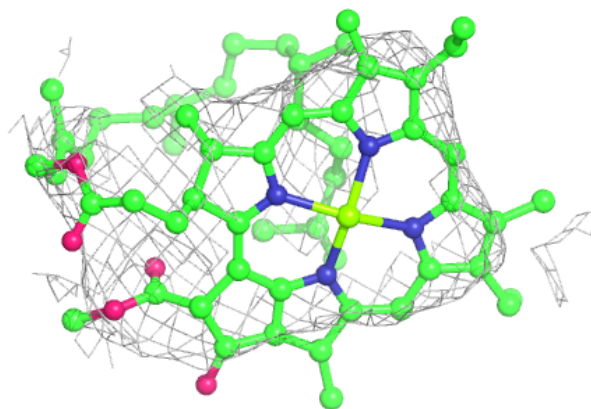


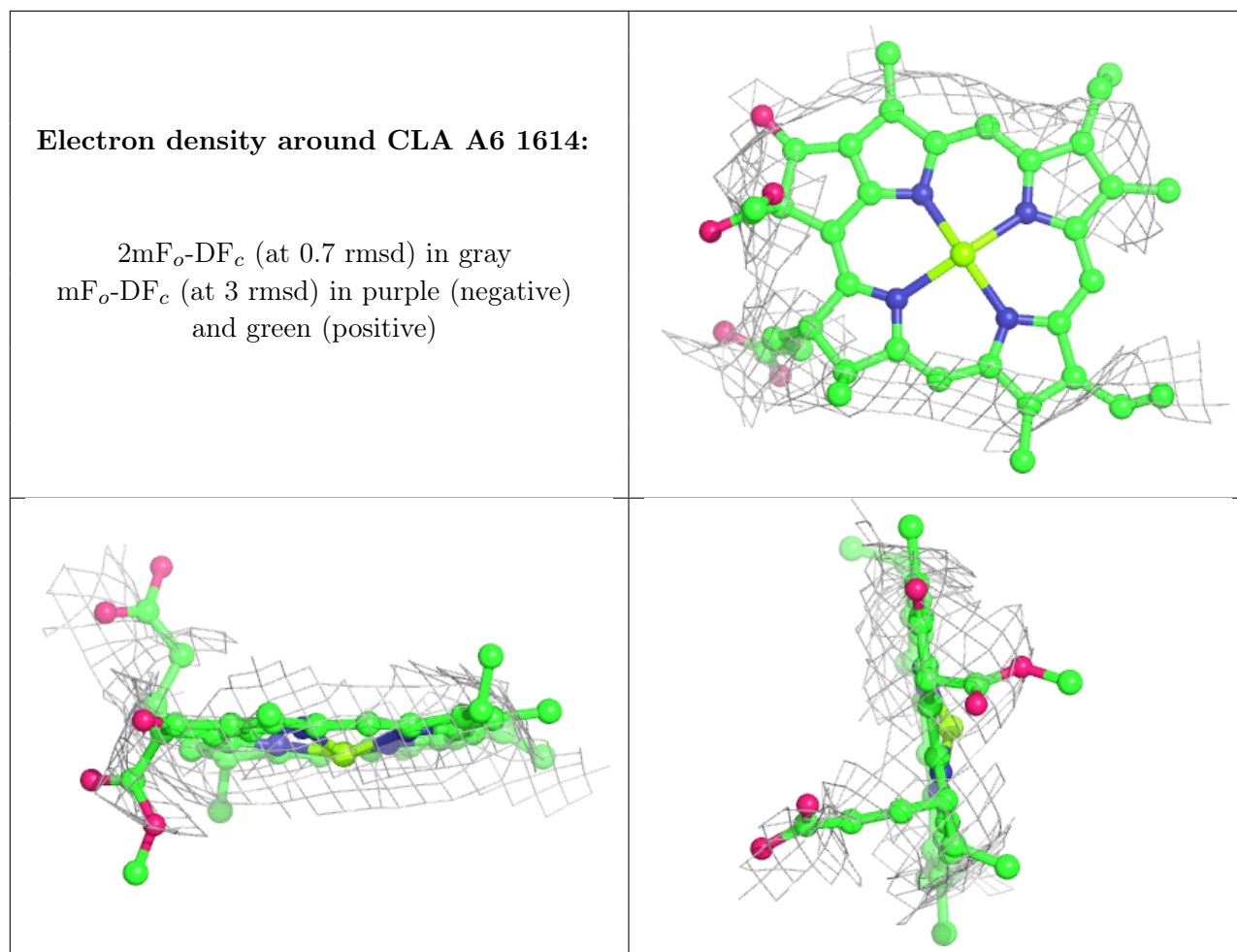
**Electron density around CLA B6 803:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B2 805:**

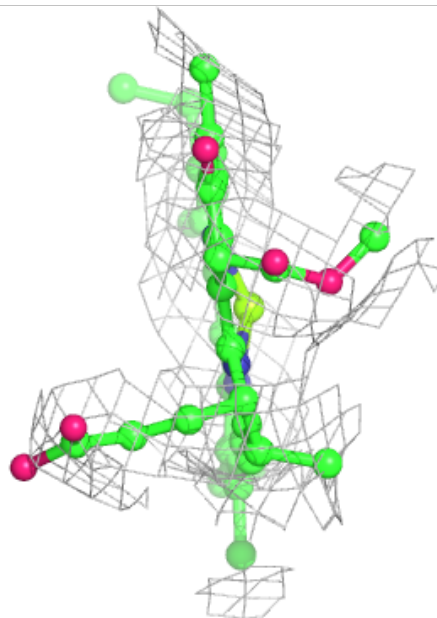
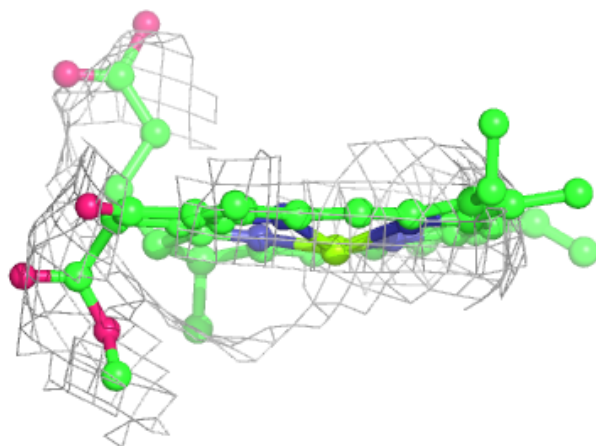
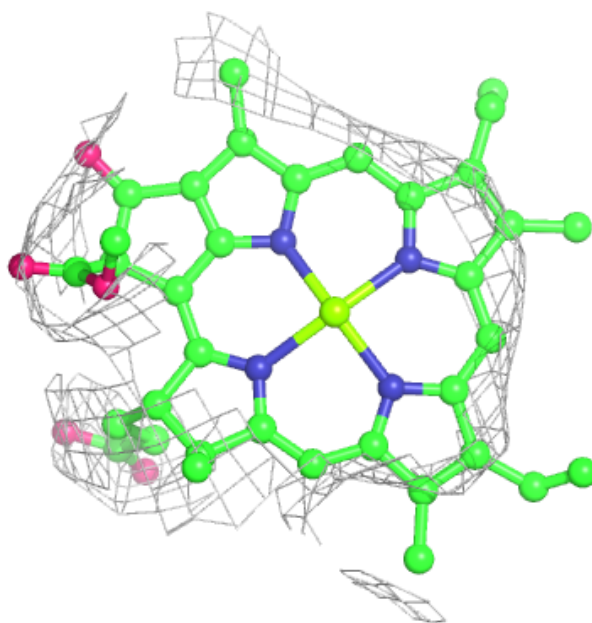
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





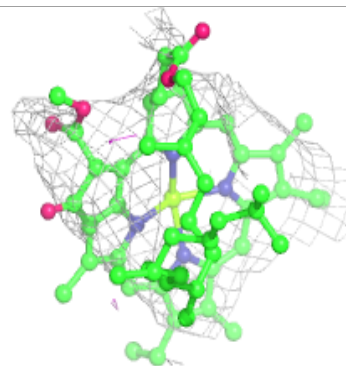
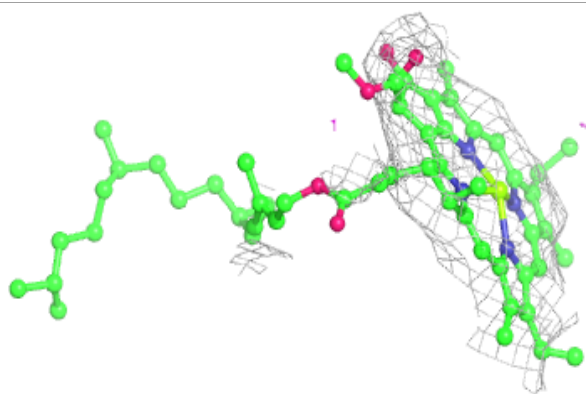
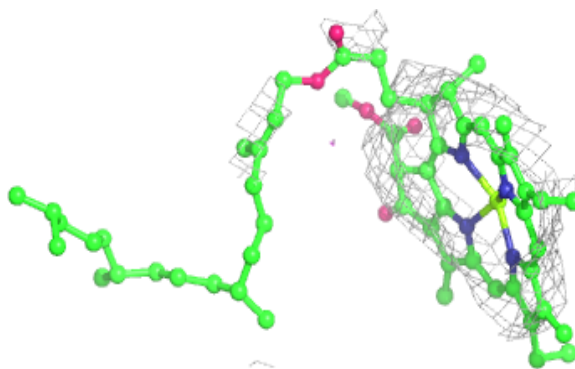
**Electron density around CLA B6 834:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

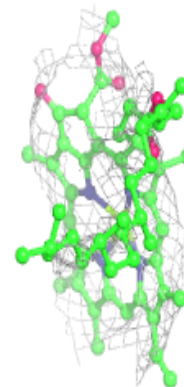
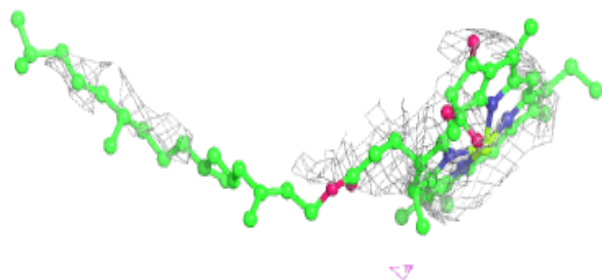
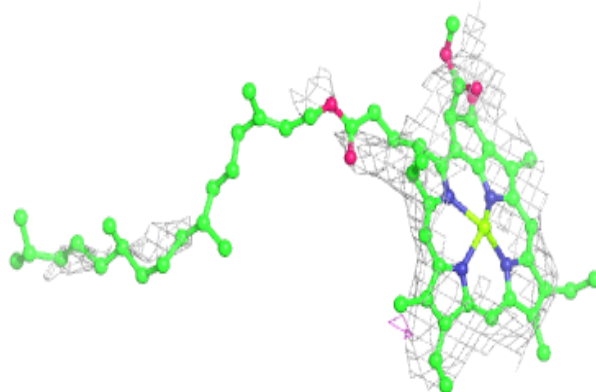


**Electron density around CLA B3 1803:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A2 1603:**

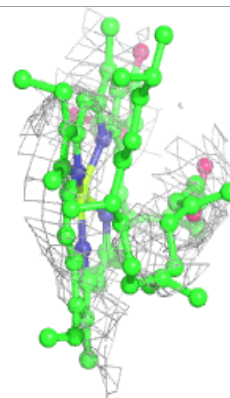
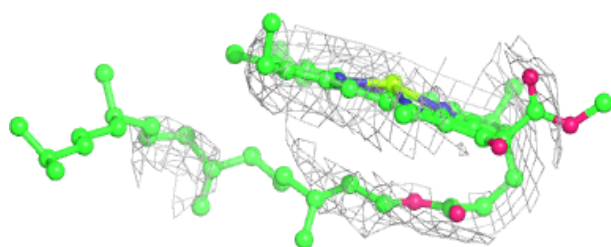
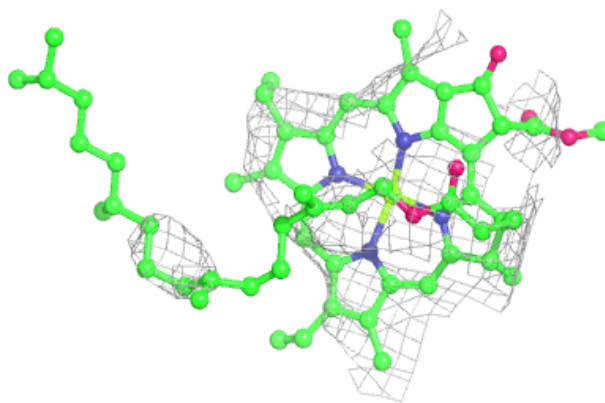
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



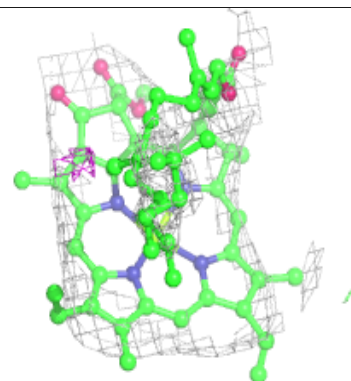
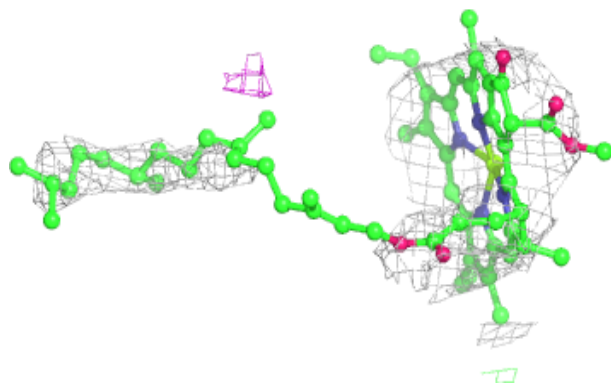
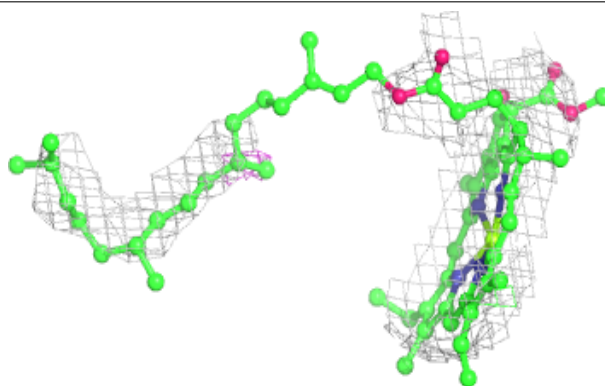


**Electron density around CLA B3 1840:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

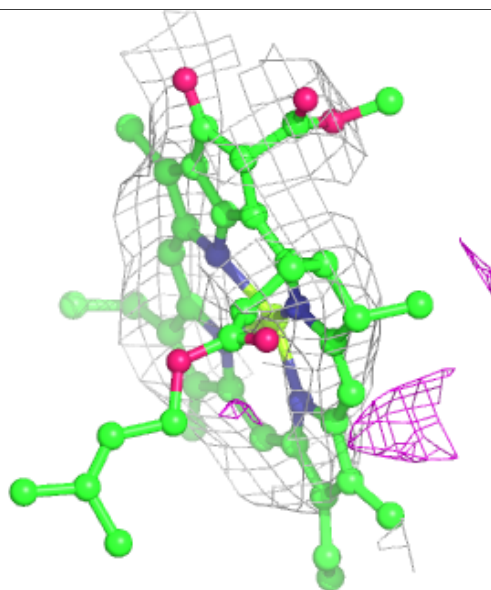
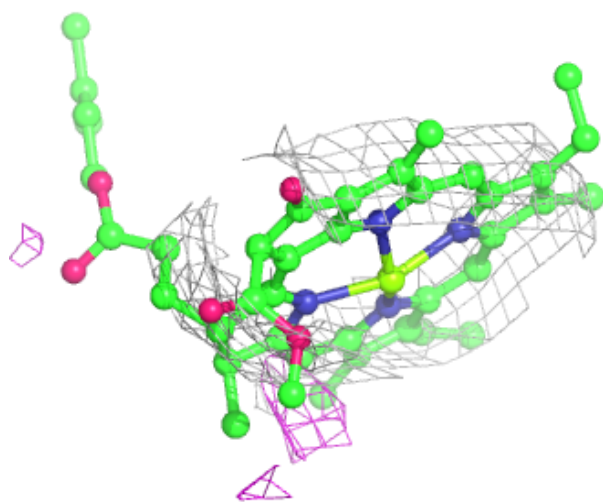
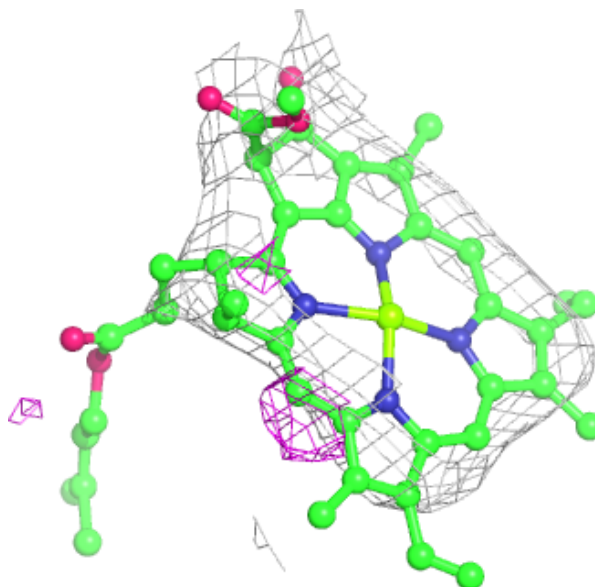
**Electron density around CLA A3 830:**

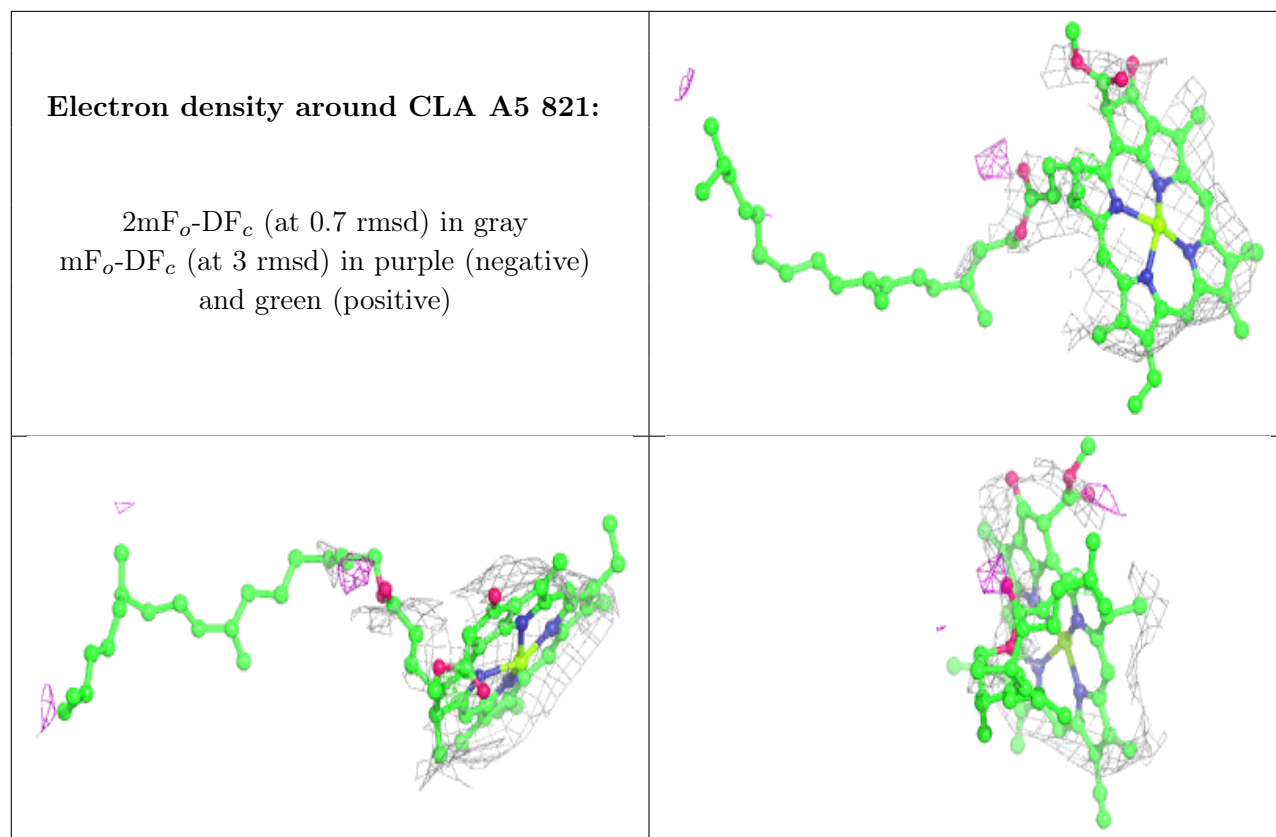
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A3 831:**

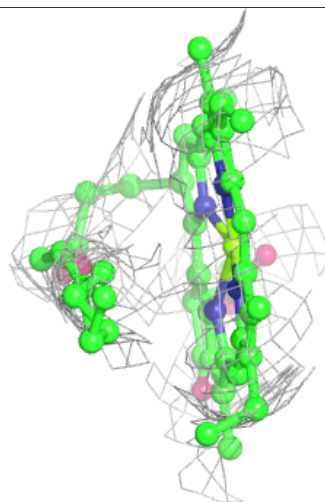
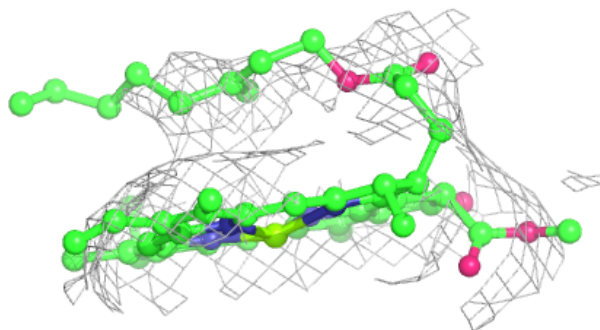
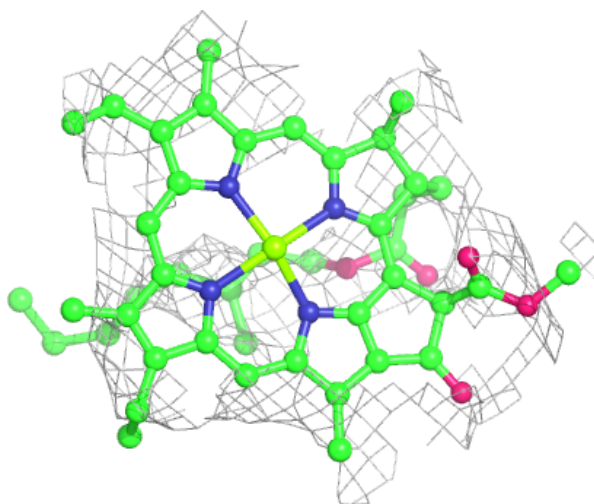
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





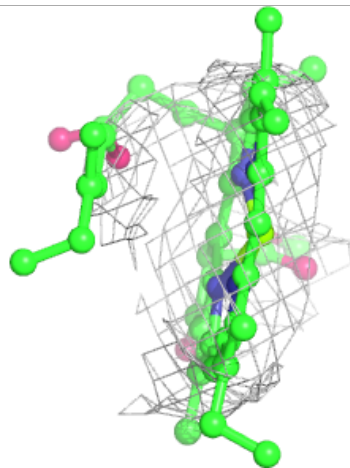
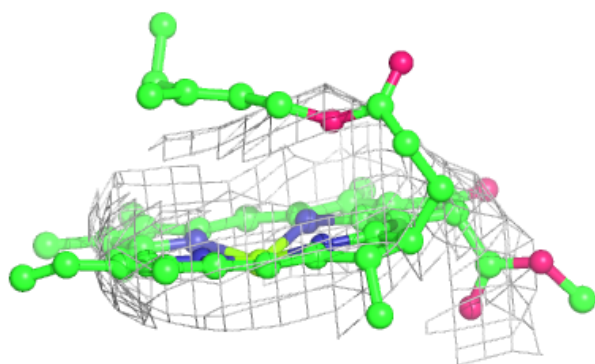
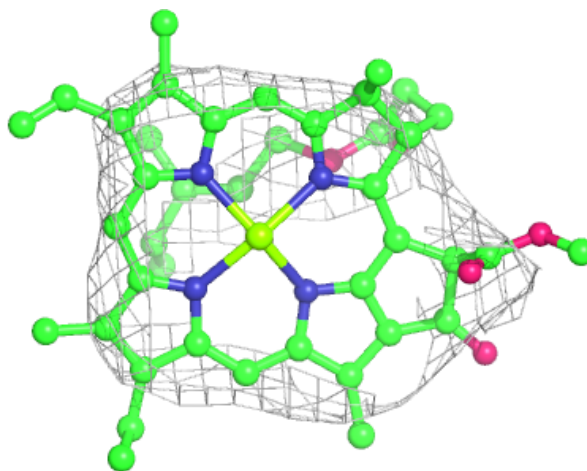
**Electron density around CLA A2 1614:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



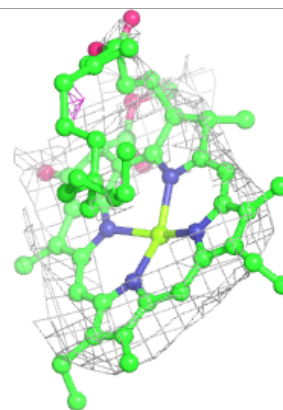
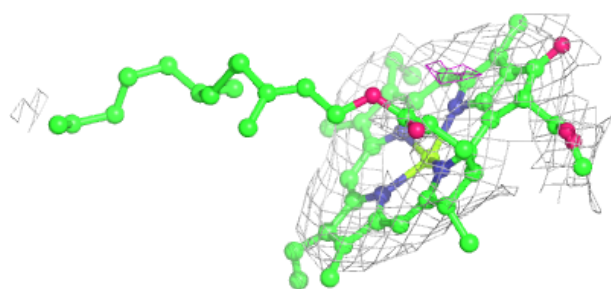
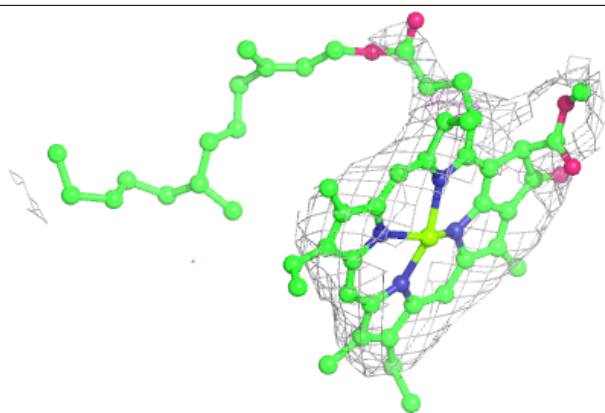
**Electron density around CLA A5 823:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

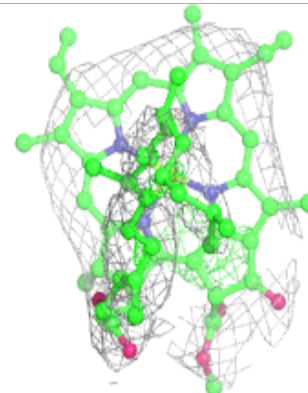
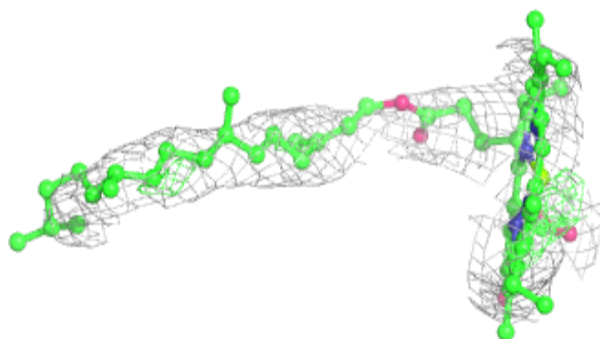
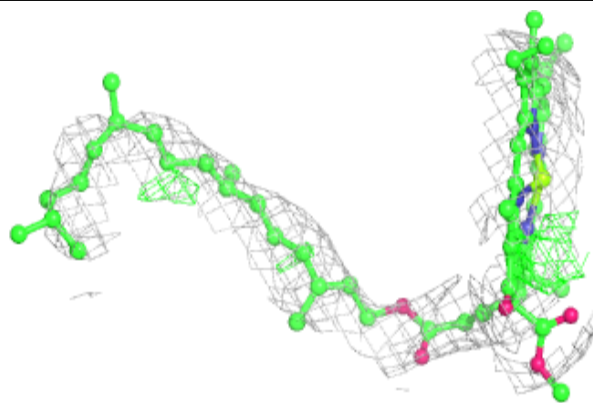


**Electron density around CLA A5 824:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

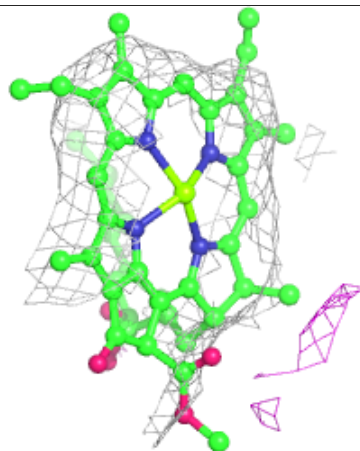
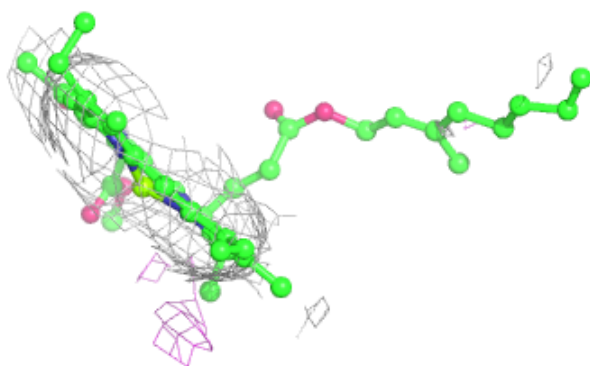
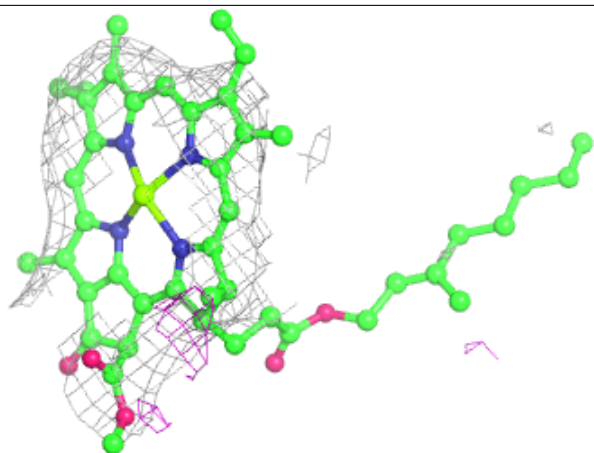
**Electron density around CLA B6 841:**

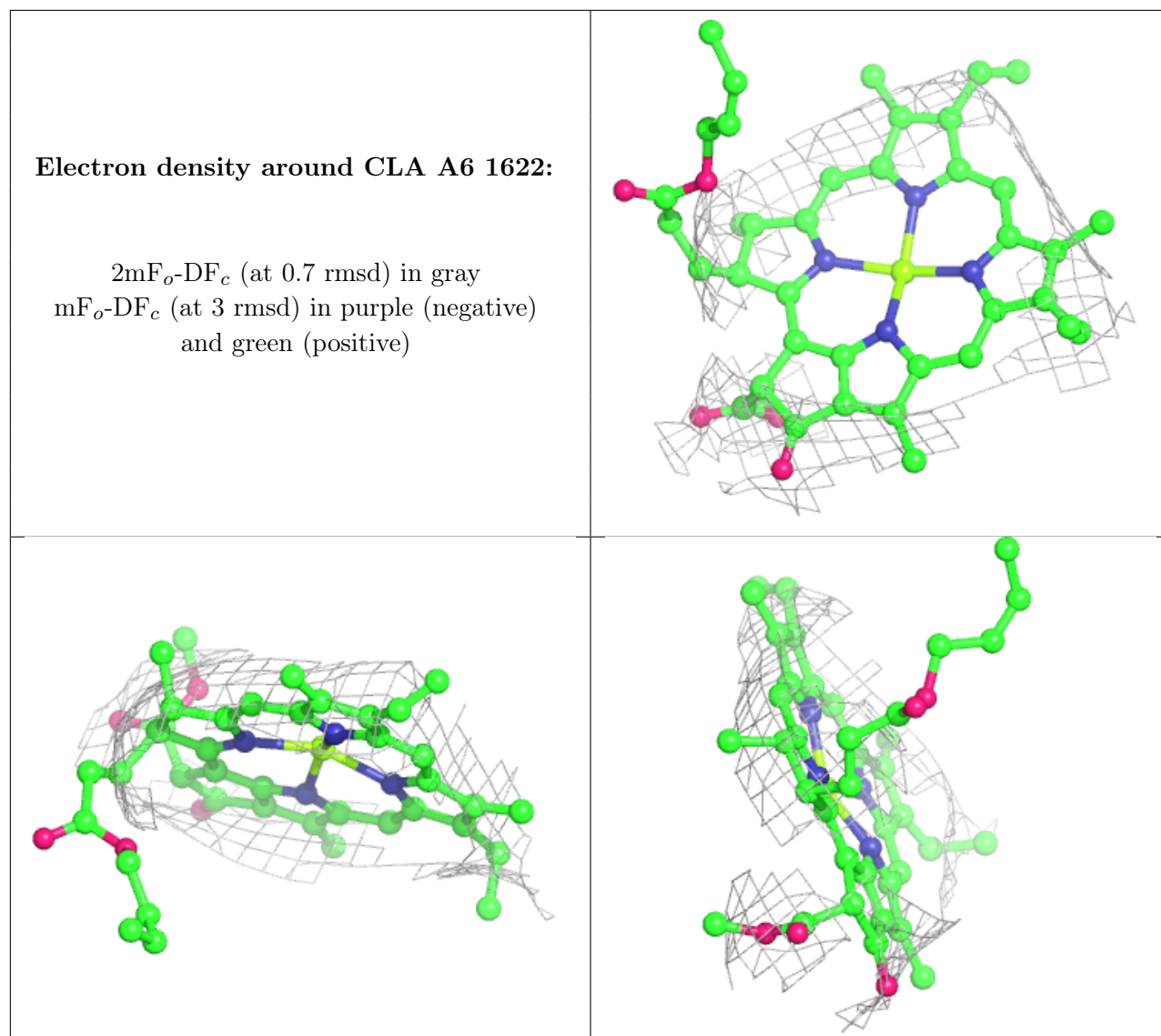
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



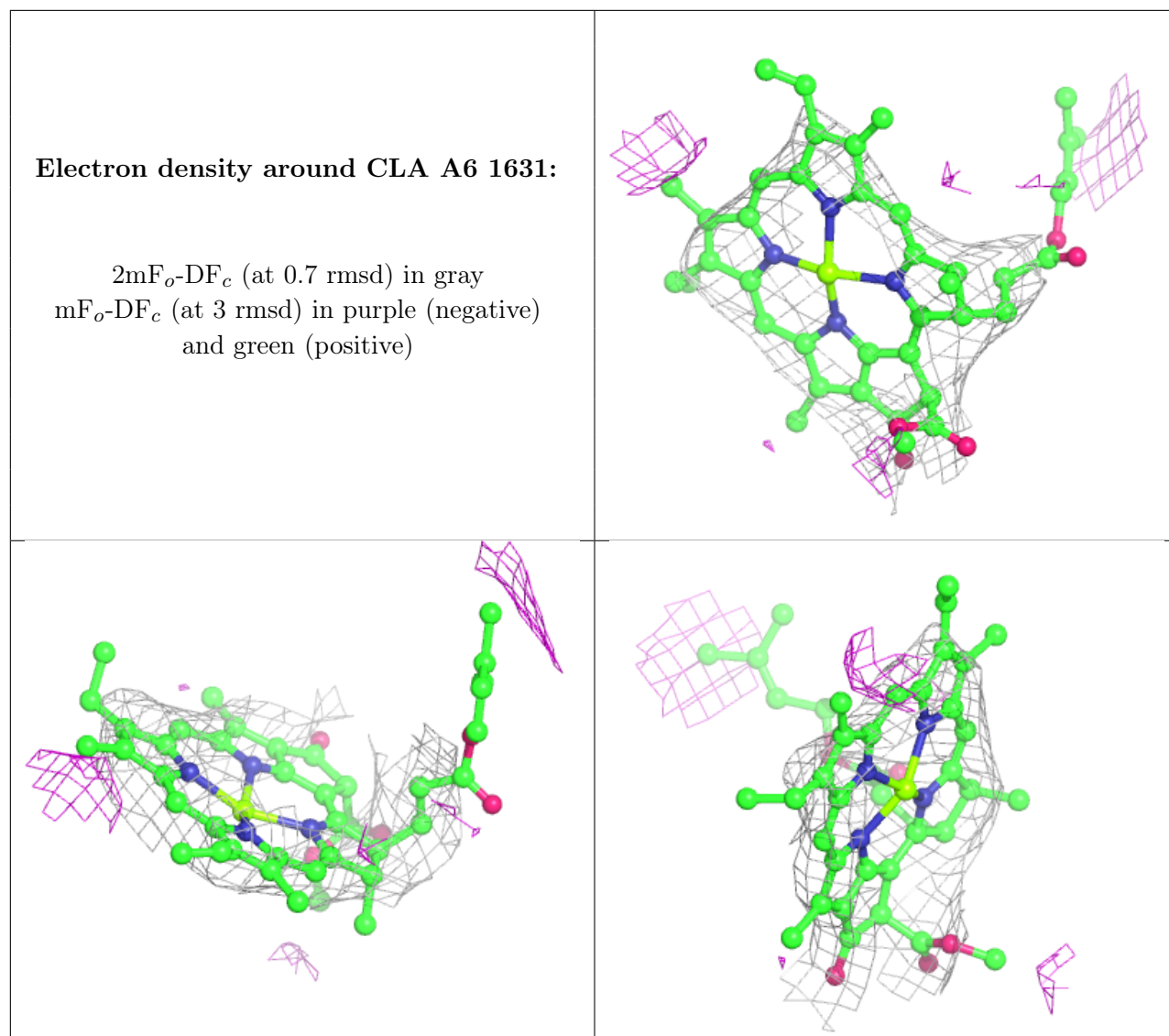
**Electron density around CLA A3 835:**

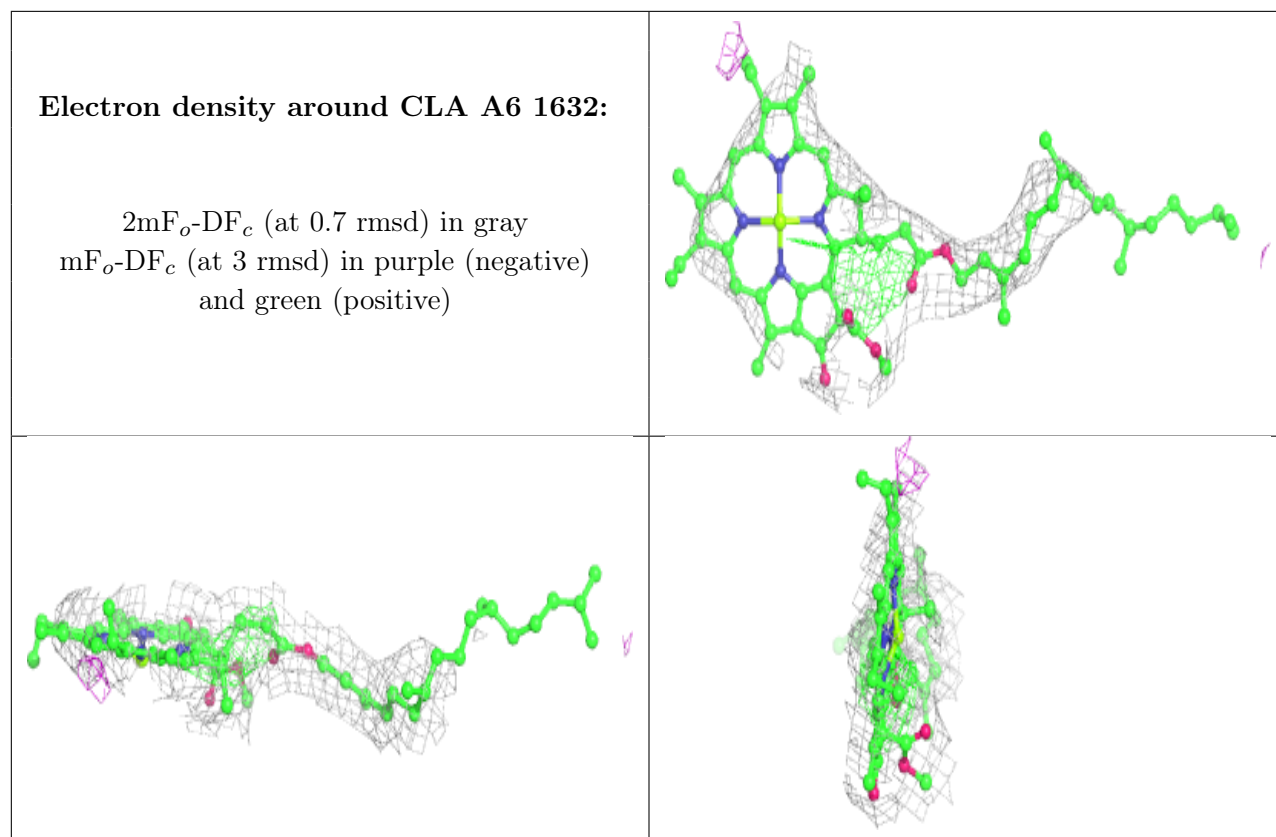
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





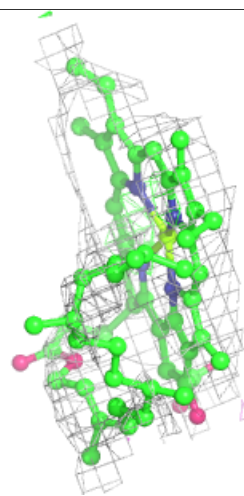
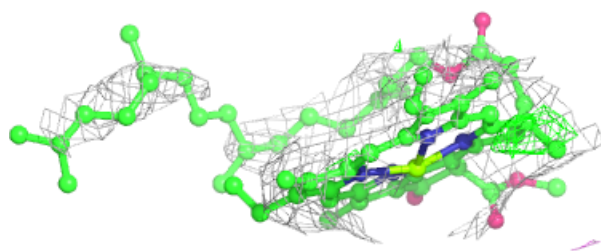
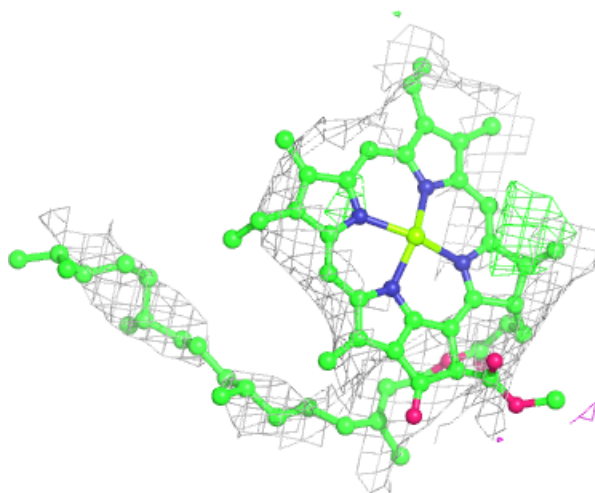


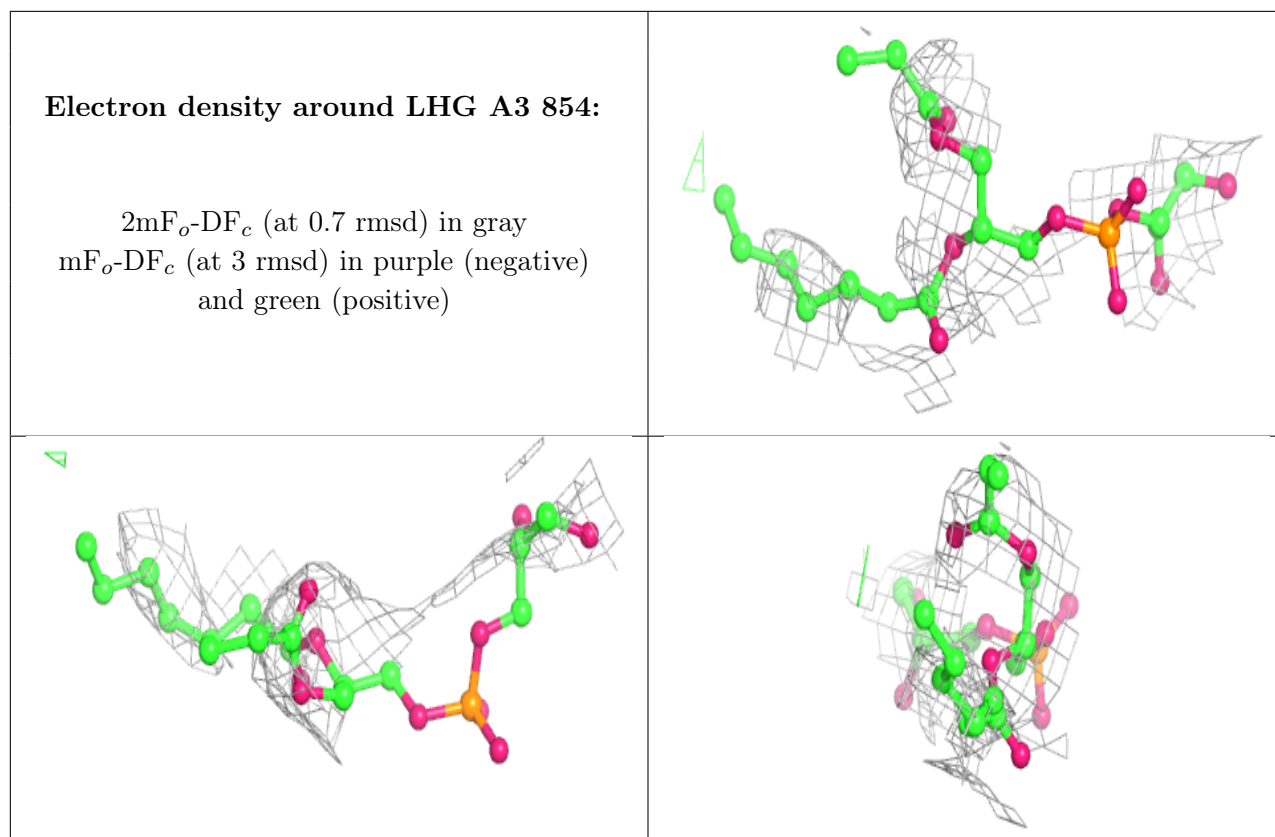




**Electron density around CLA A3 829:**

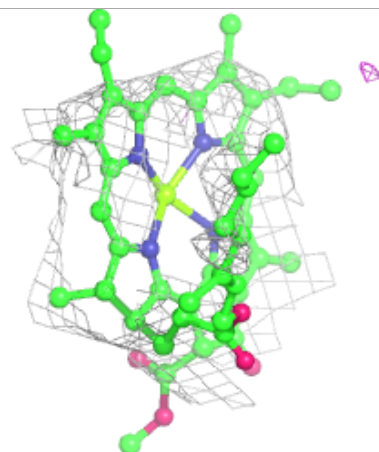
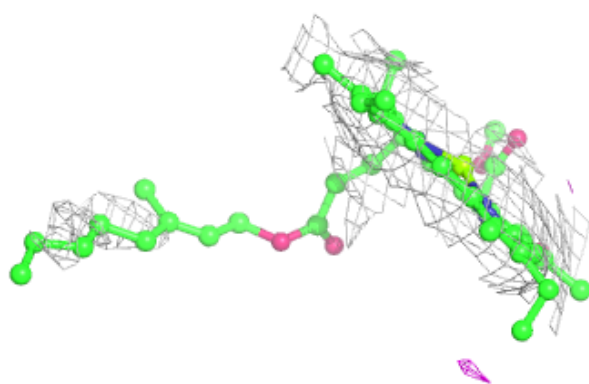
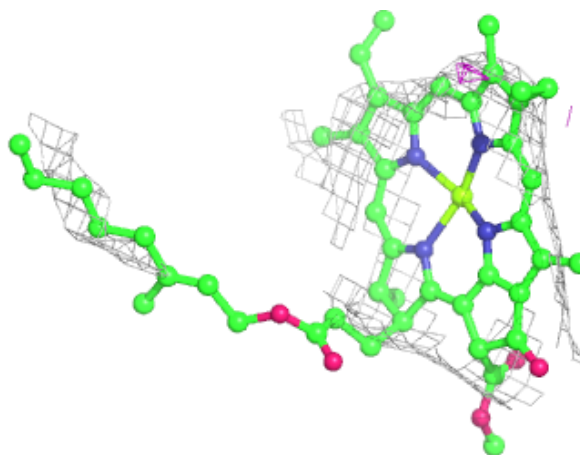
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



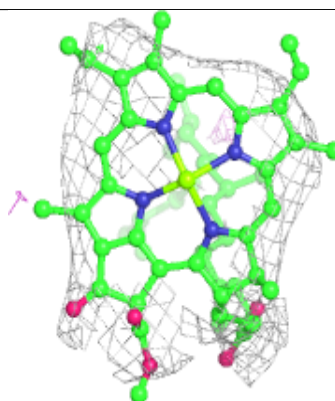
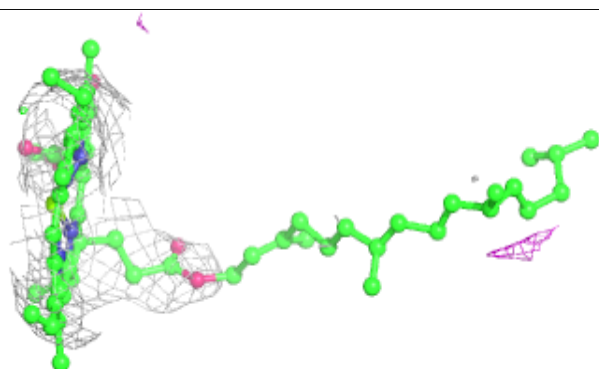
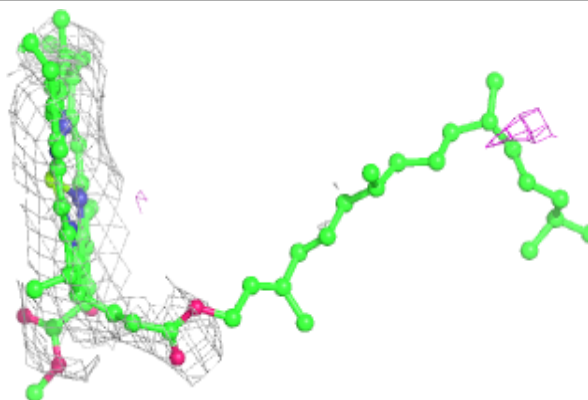


**Electron density around CLA A6 1634:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

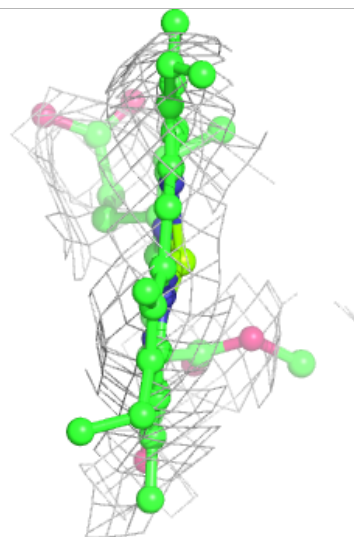
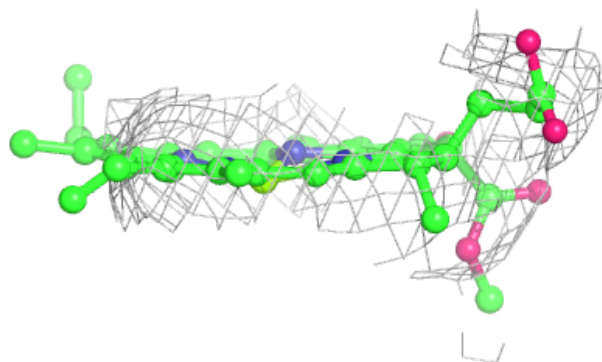
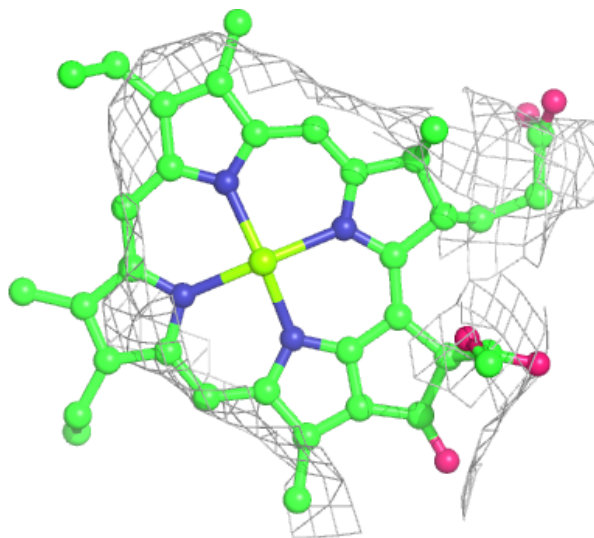
**Electron density around CLA B1 841:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



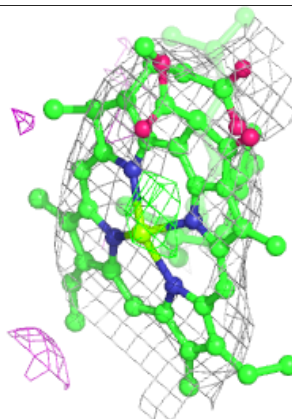
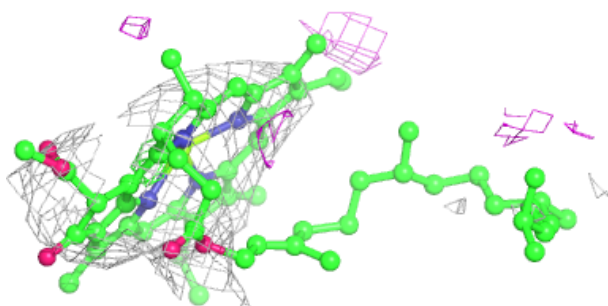
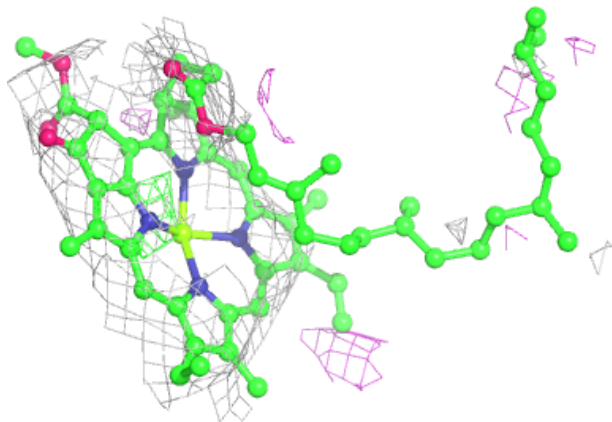
**Electron density around CLA X6 1701:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

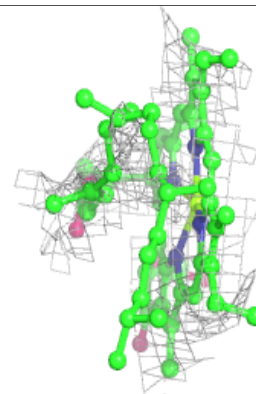
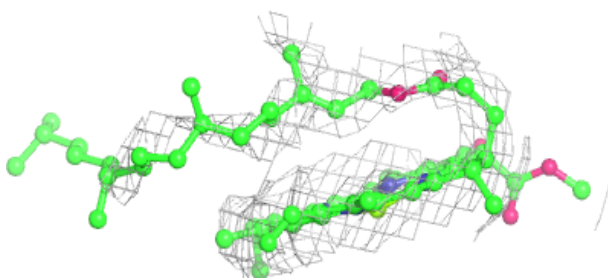
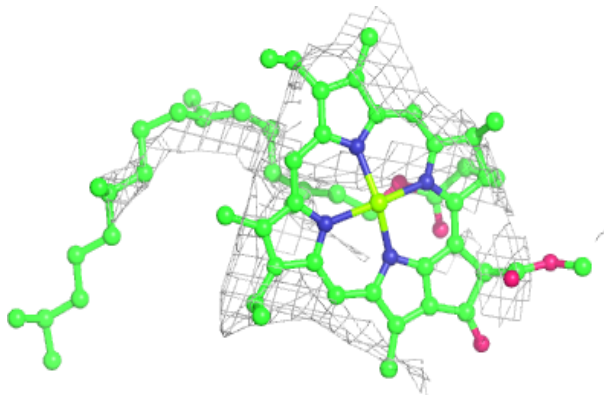


**Electron density around CLA A1 839:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

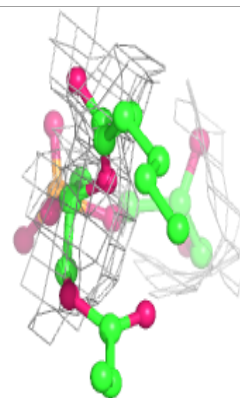
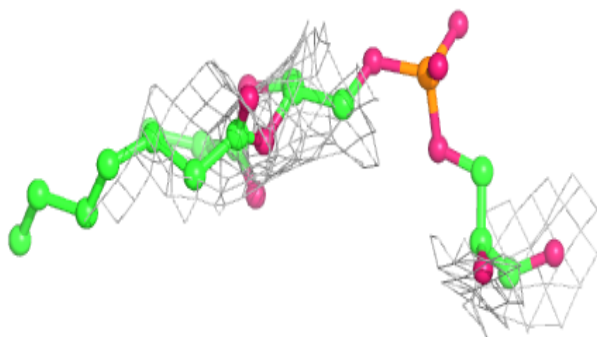
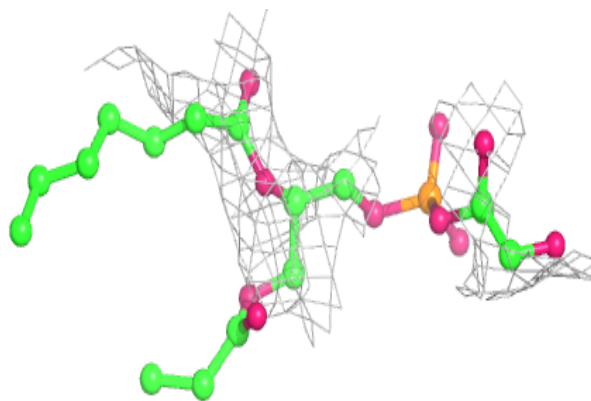
**Electron density around CLA B2 837:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

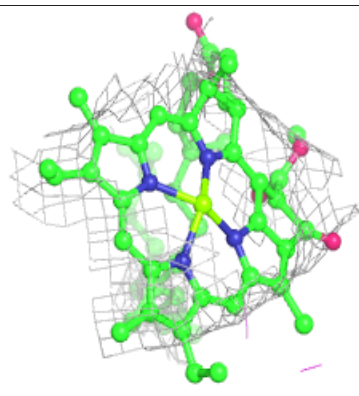
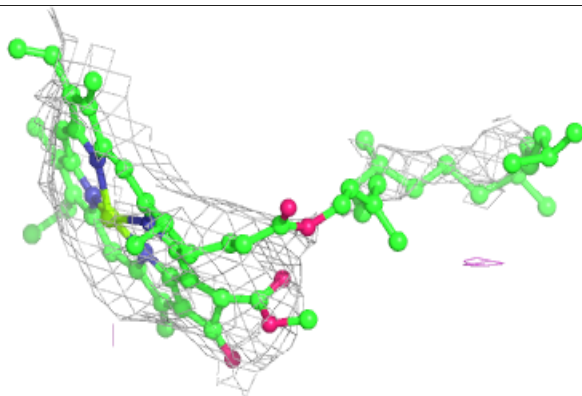
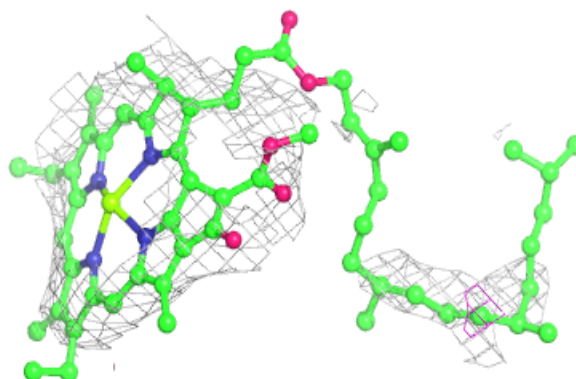


**Electron density around LHG A6 1650:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A6 1602:**

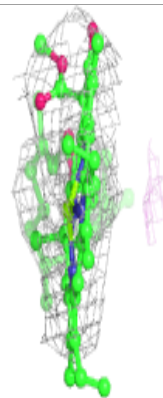
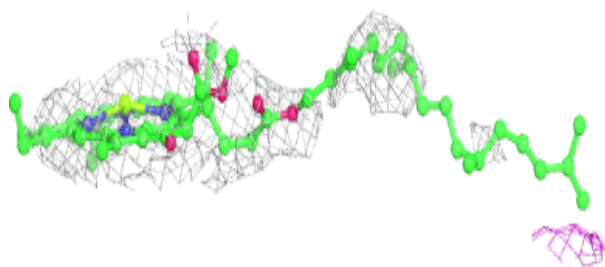
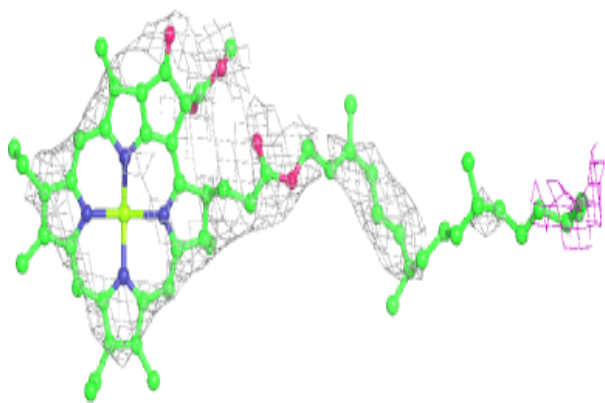
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



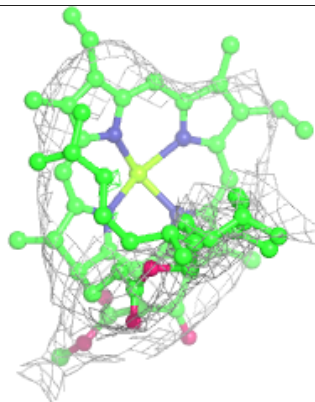
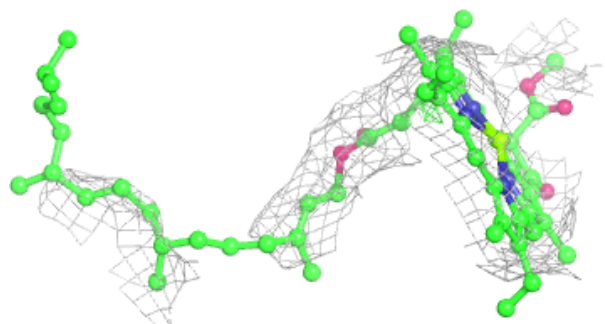
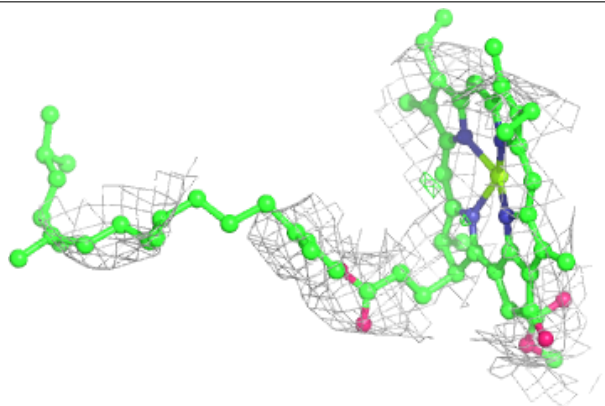


**Electron density around CLA A1 831:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

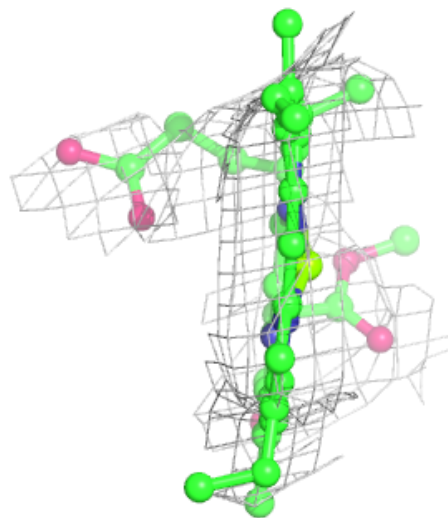
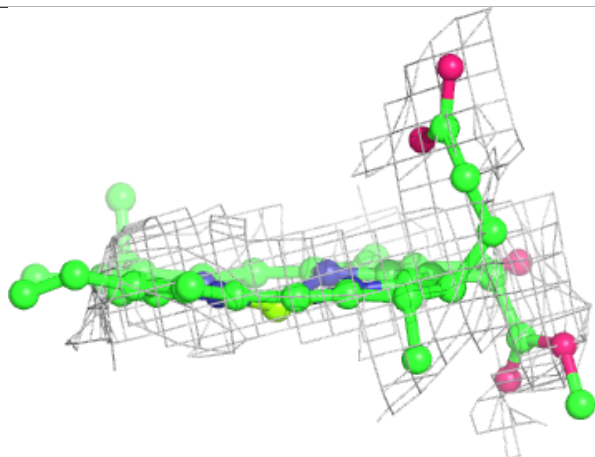
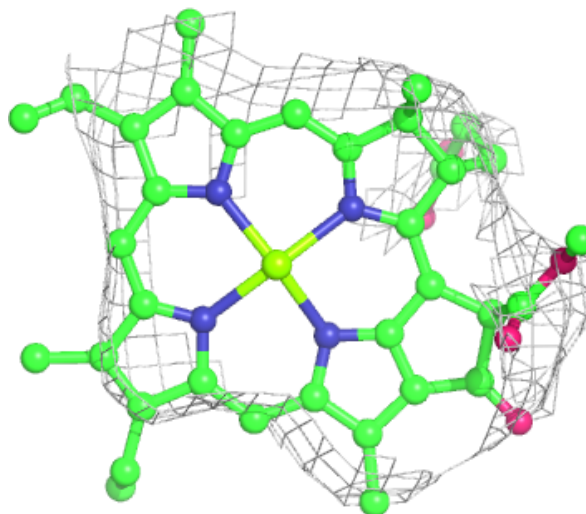
**Electron density around CLA L5 205:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



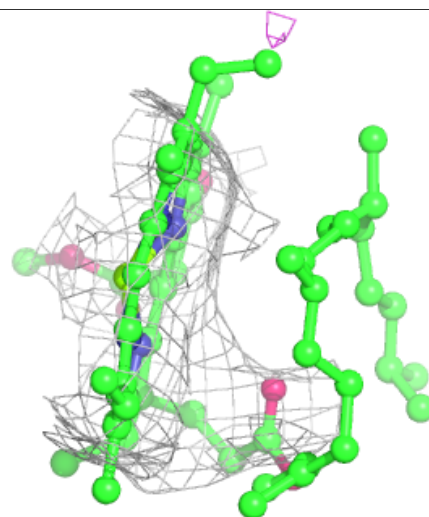
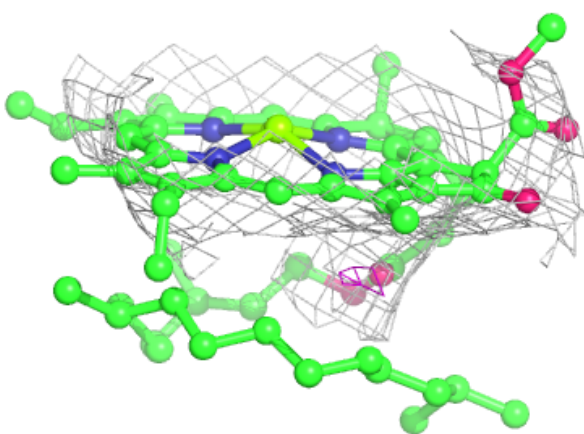
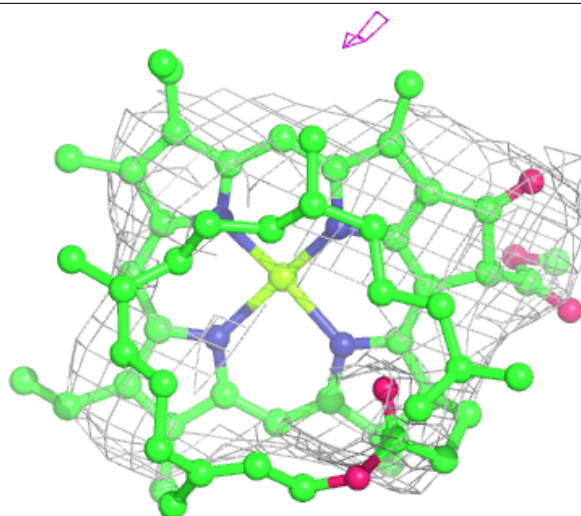
**Electron density around CLA A3 836:**

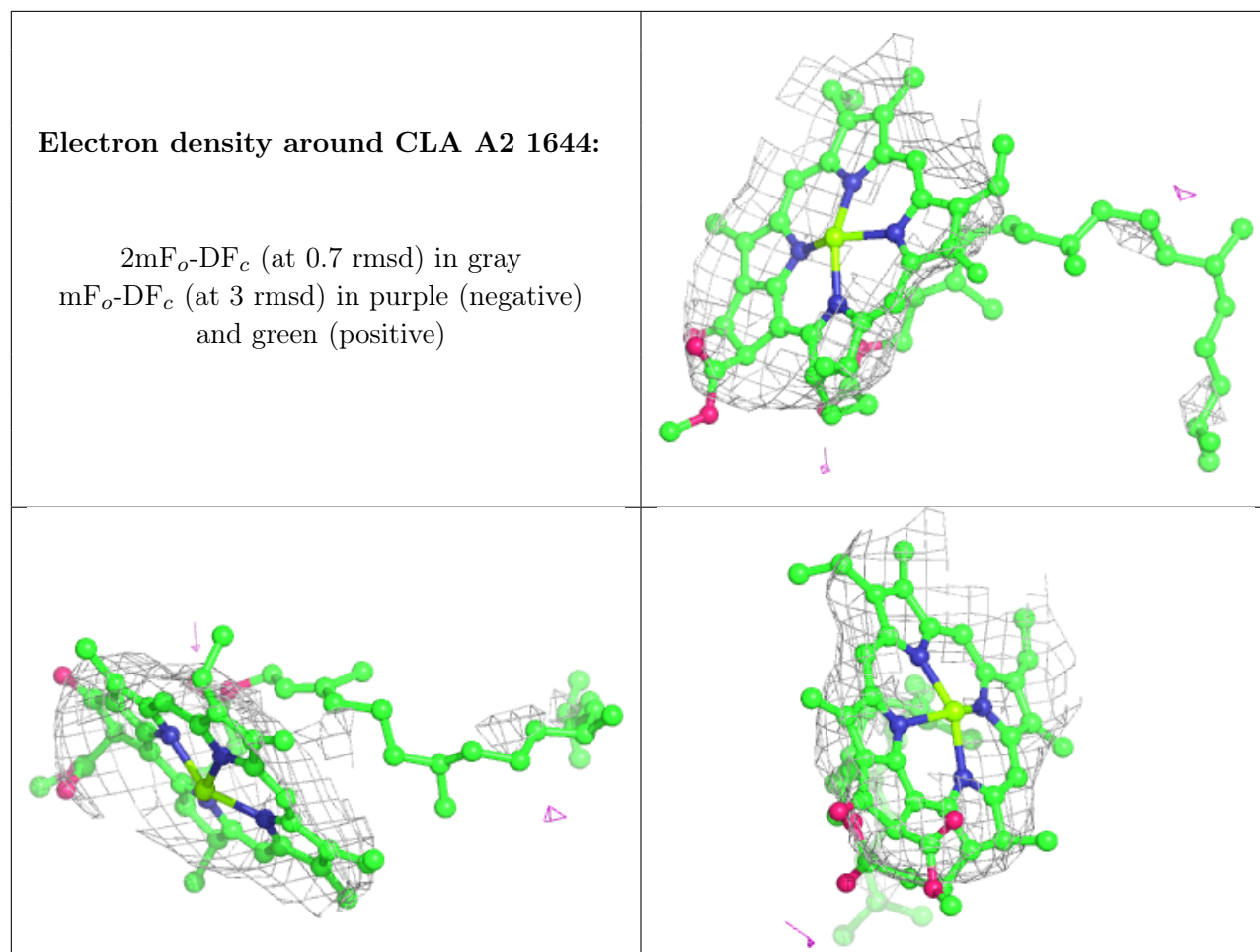
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

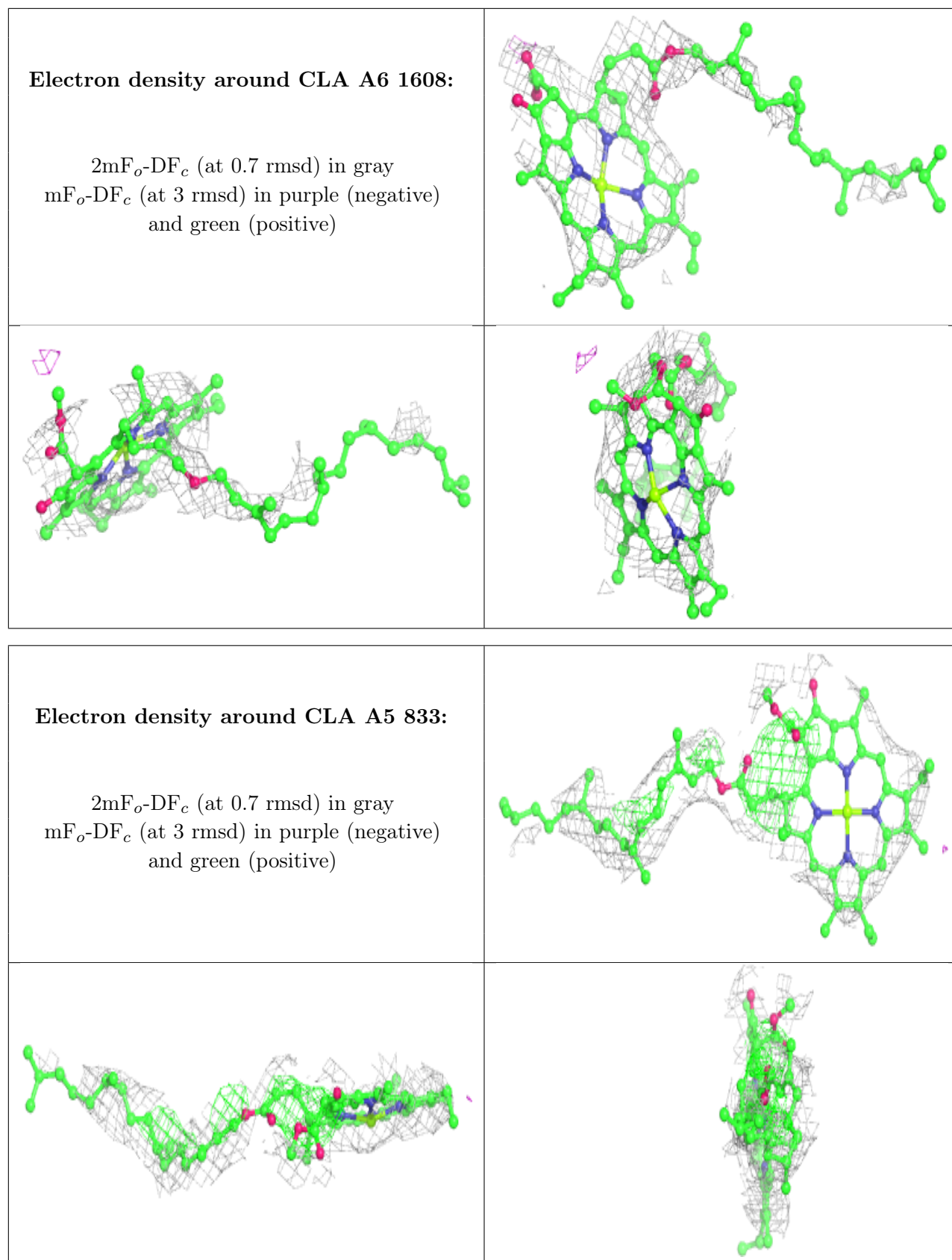


**Electron density around CLA L2 205:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

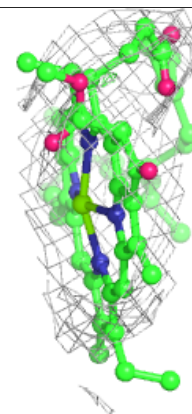
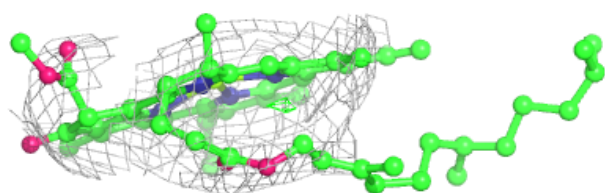
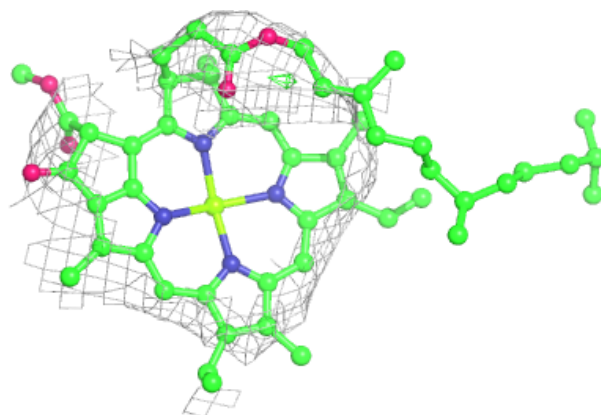




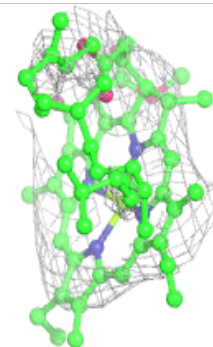
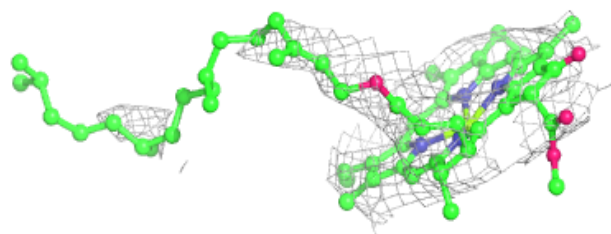
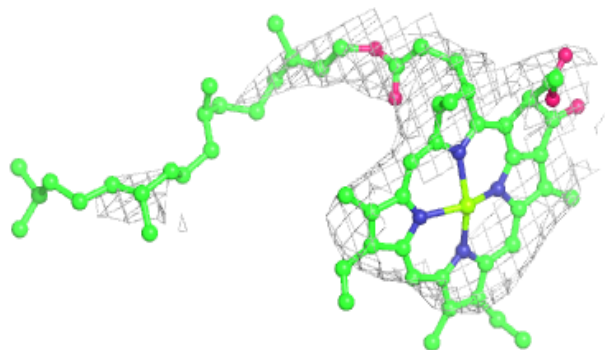


**Electron density around CLA B2 817:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

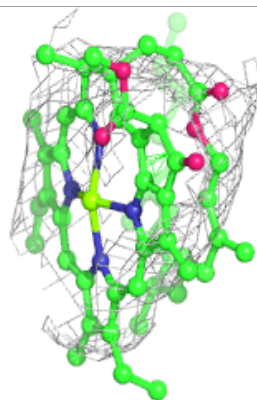
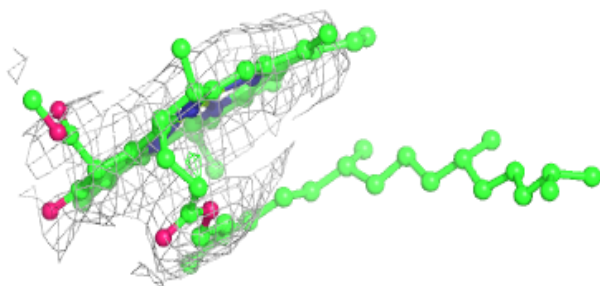
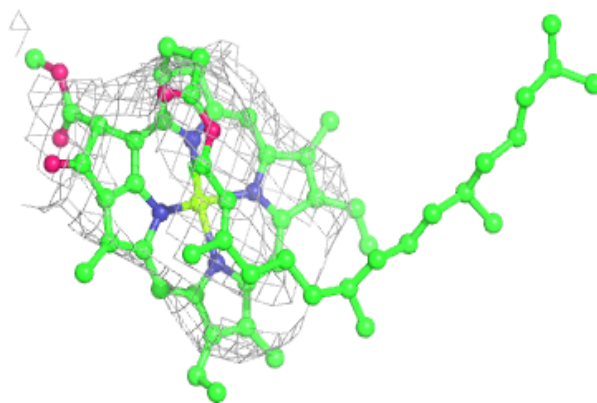
**Electron density around CLA A3 808:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

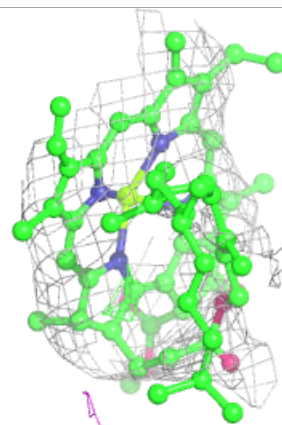
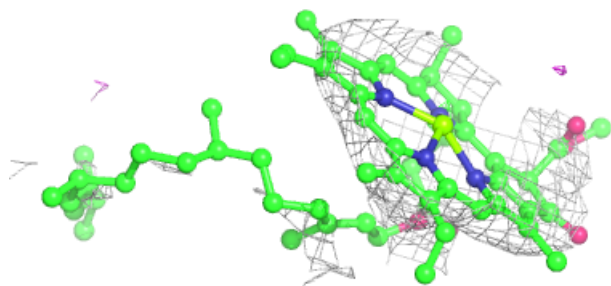
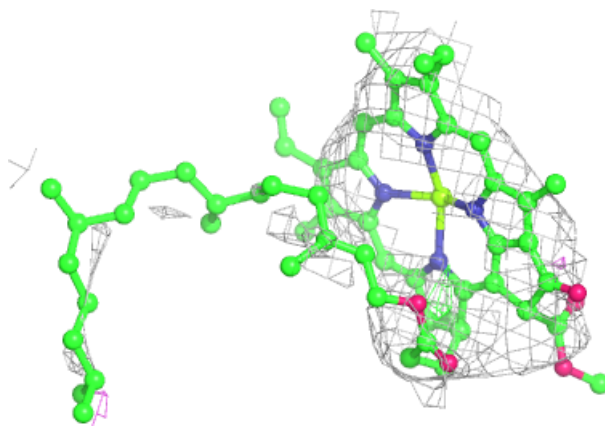


**Electron density around CLA I6 101:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

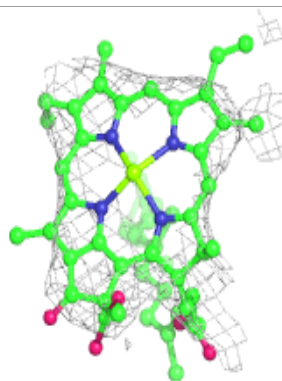
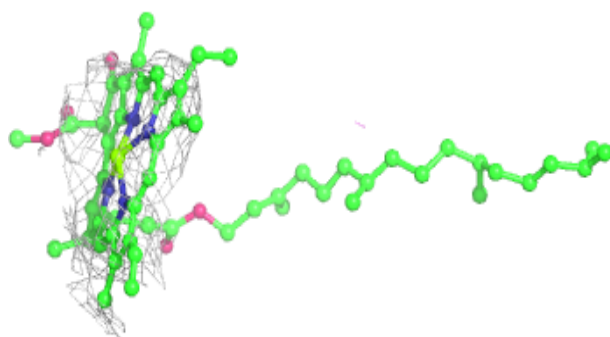
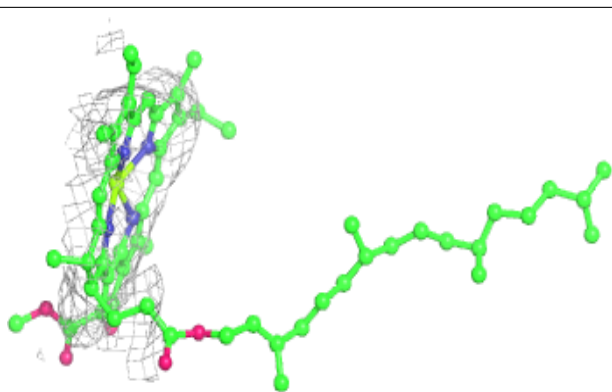
**Electron density around CLA A3 843:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

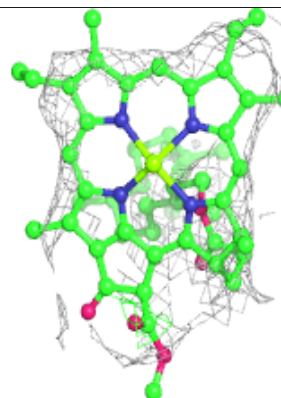
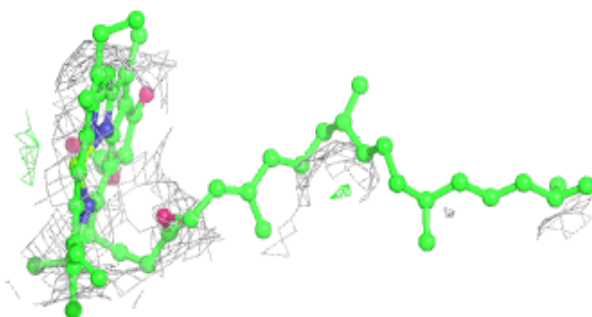
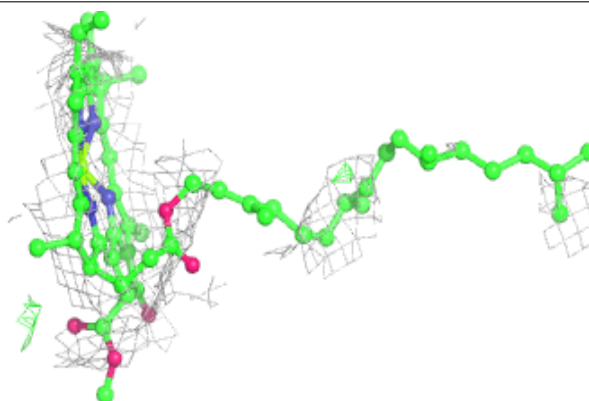


**Electron density around CLA B2 828:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA A3 828:**

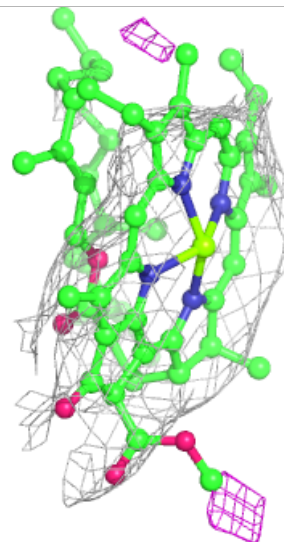
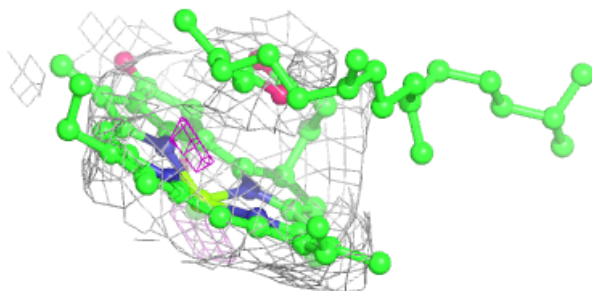
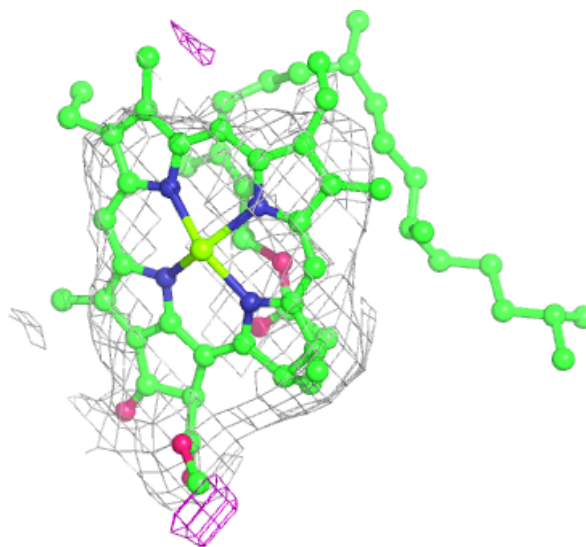
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





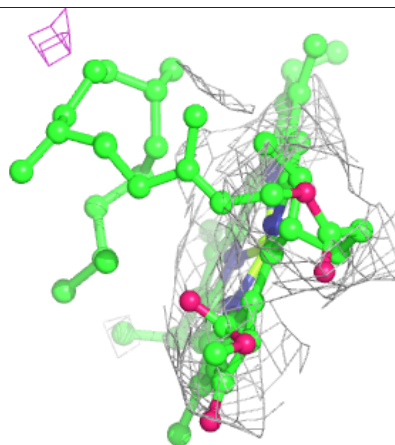
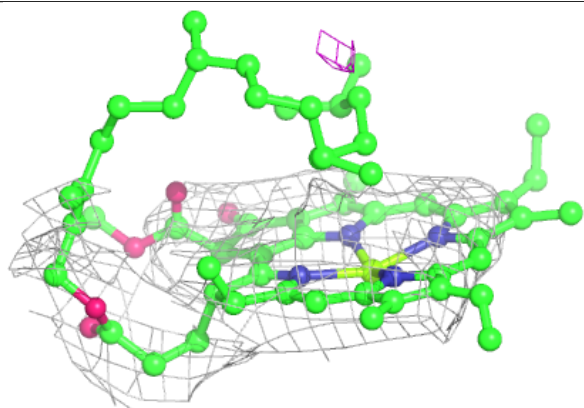
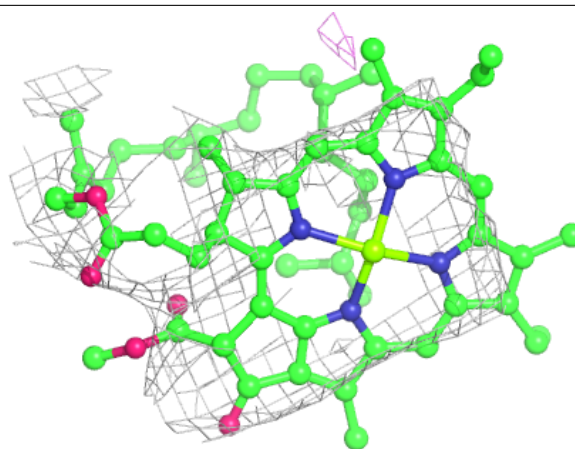
**Electron density around CLA B6 808:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

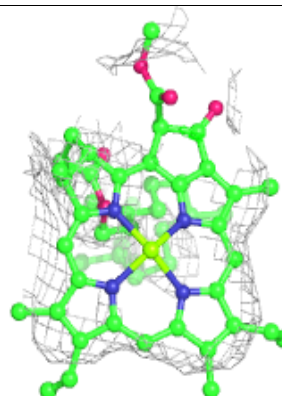
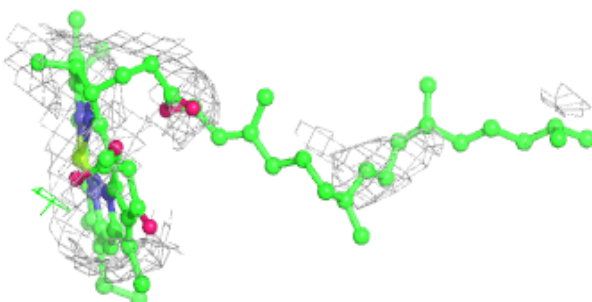
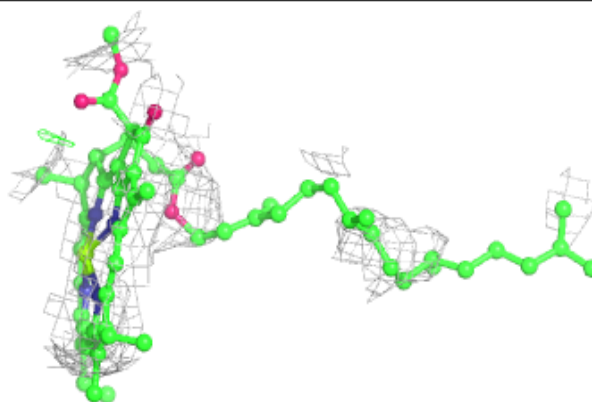


**Electron density around CLA B3 1808:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

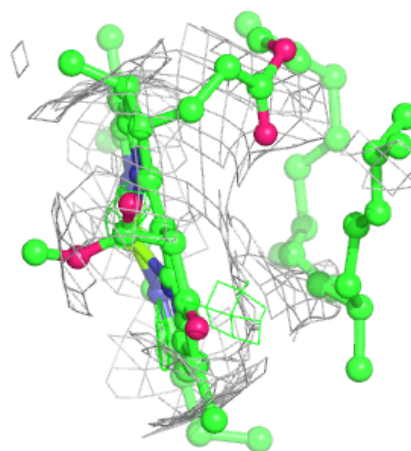
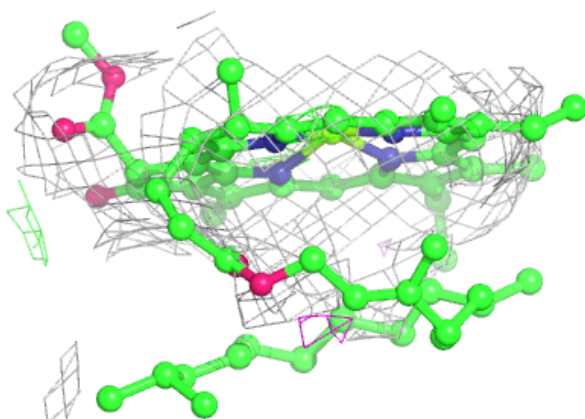
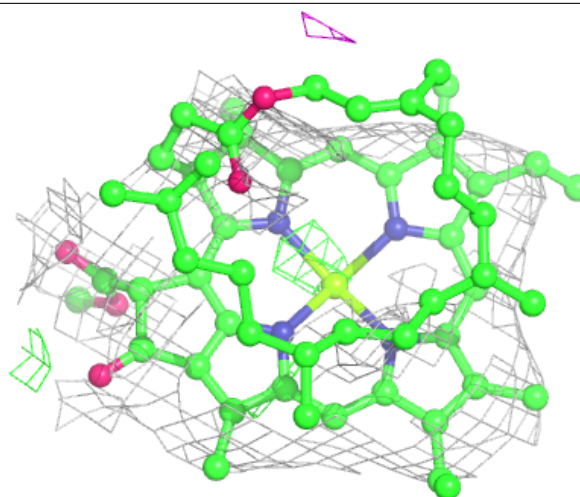
**Electron density around CLA A6 1628:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



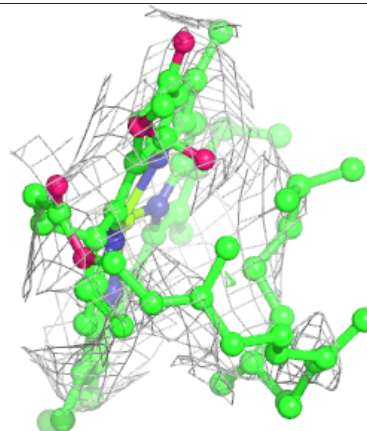
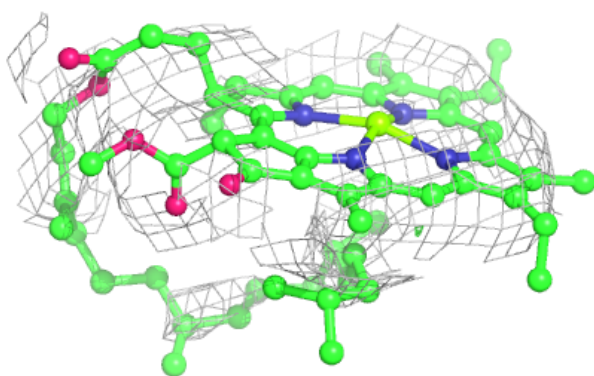
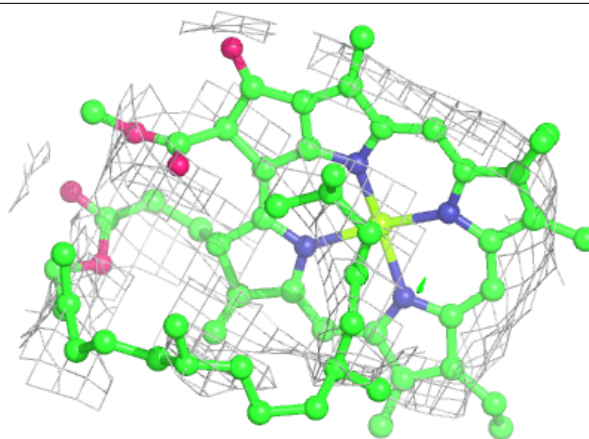
**Electron density around CLA L4 203:**

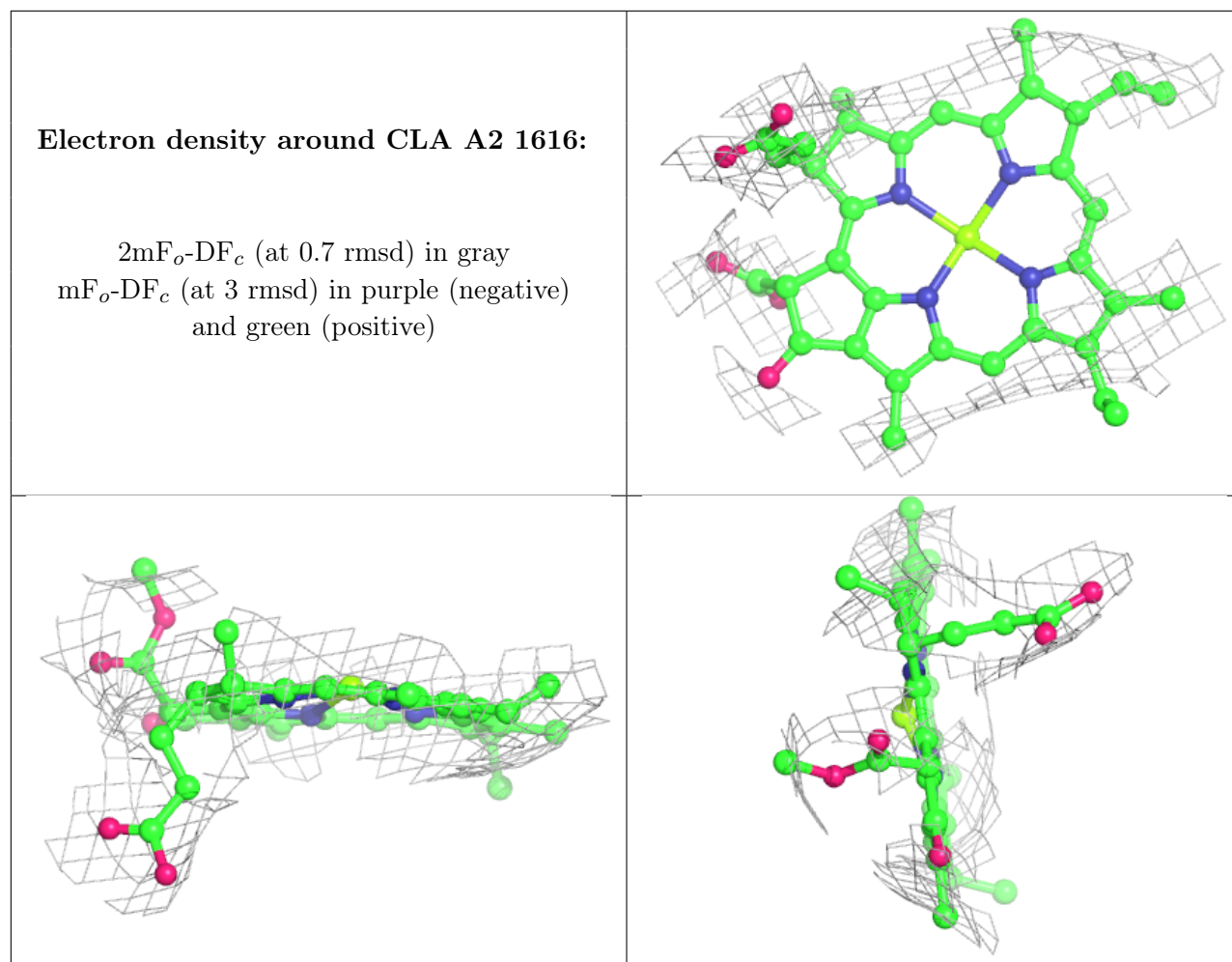
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



**Electron density around CLA A3 806:**

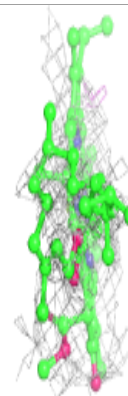
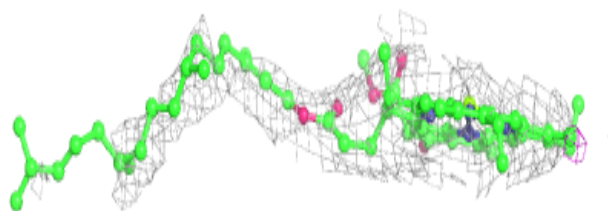
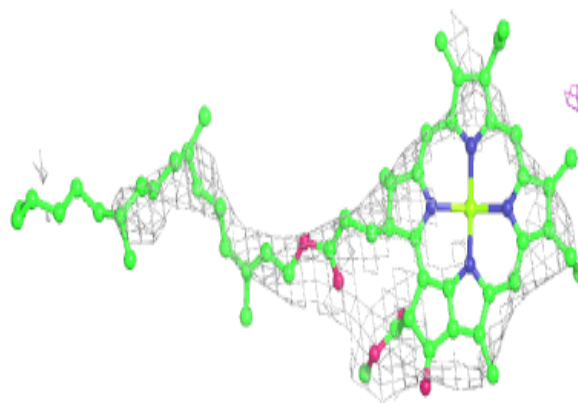
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)



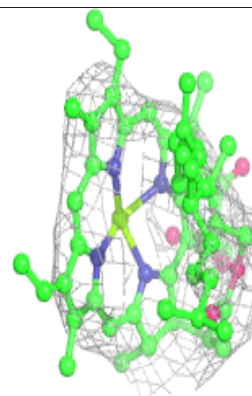
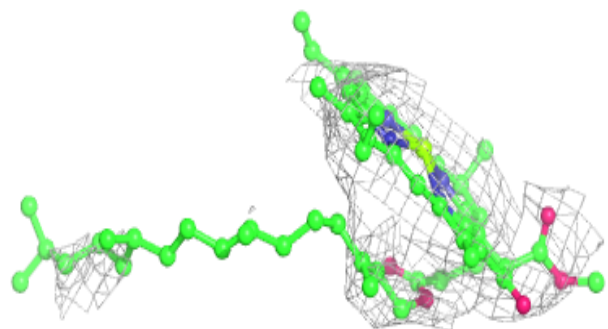
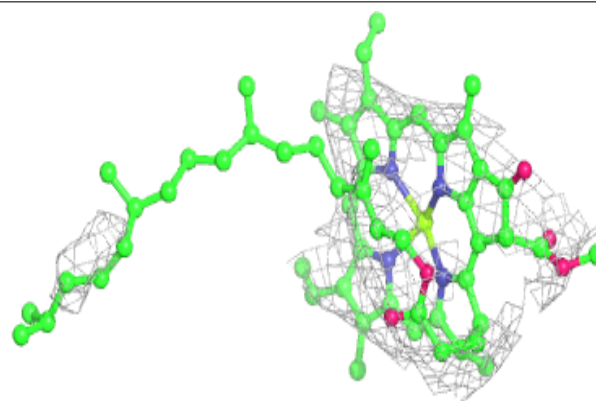


**Electron density around CLA A3 833:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

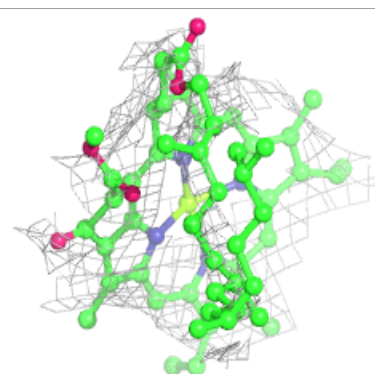
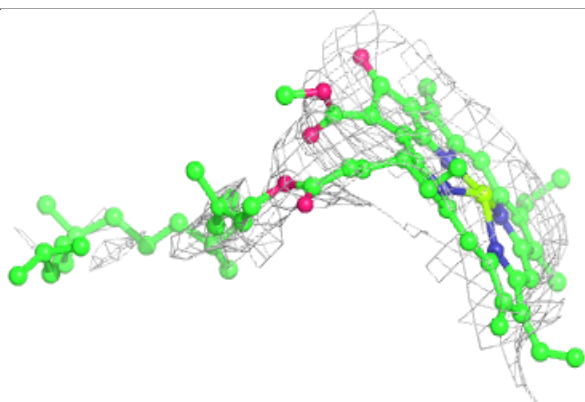
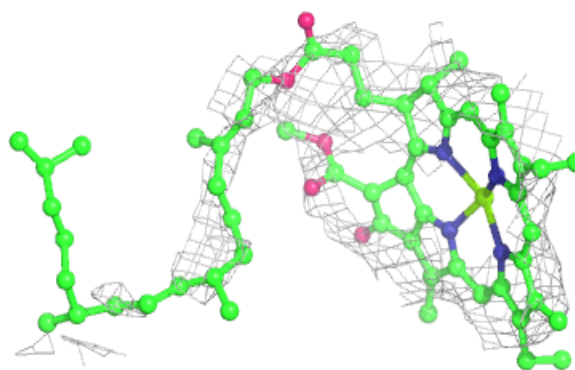
**Electron density around CLA A3 842:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

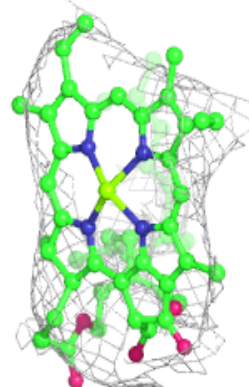
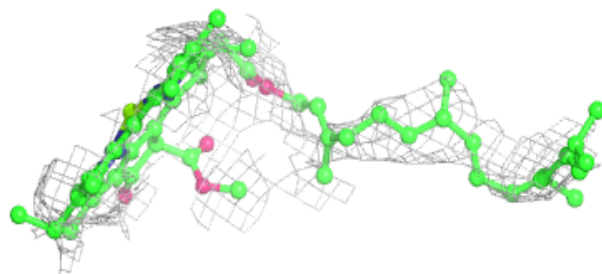
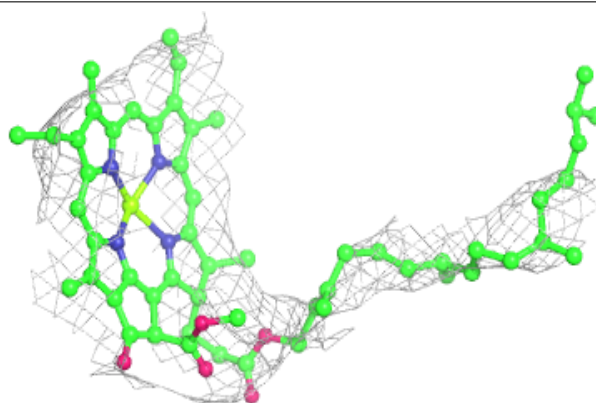


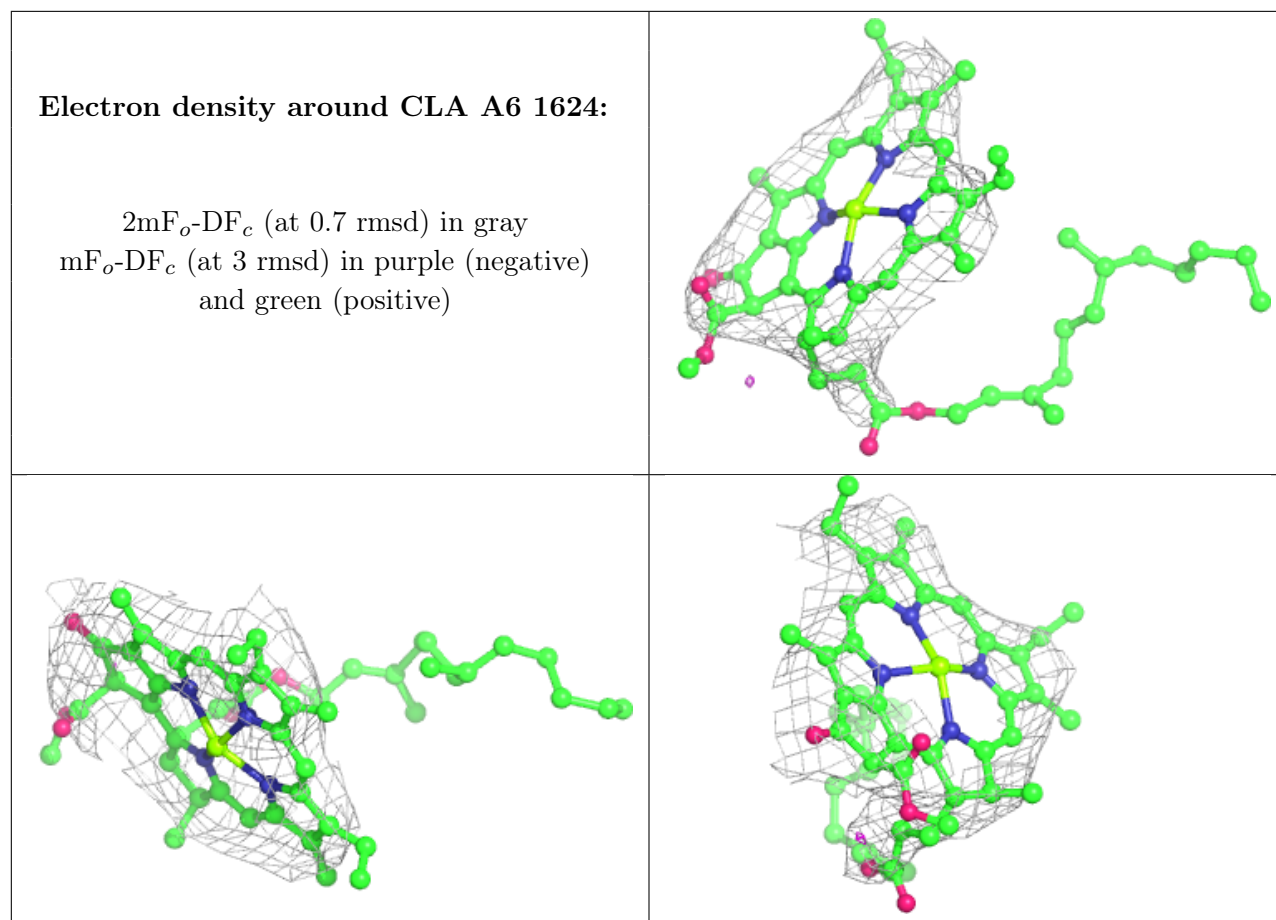
**Electron density around CLA A2 1602:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B1 854:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

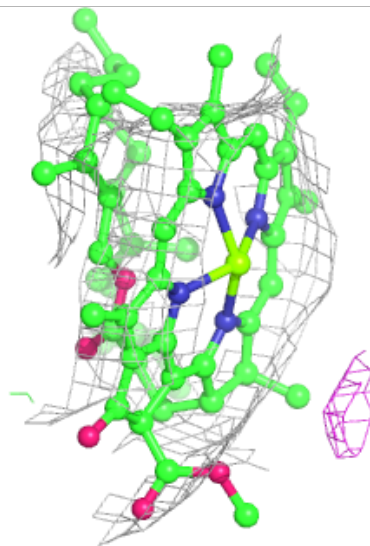
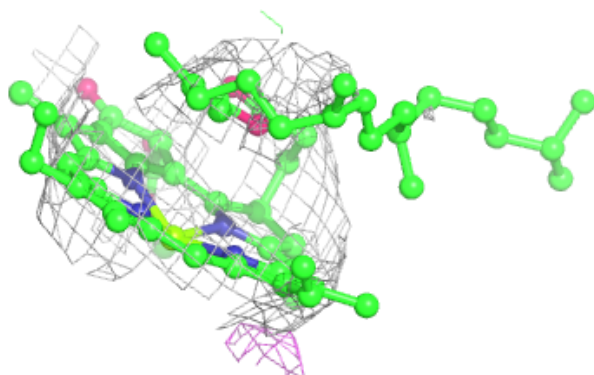
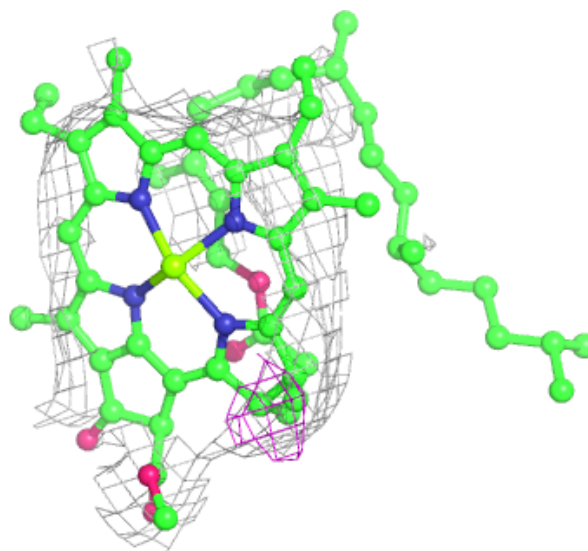


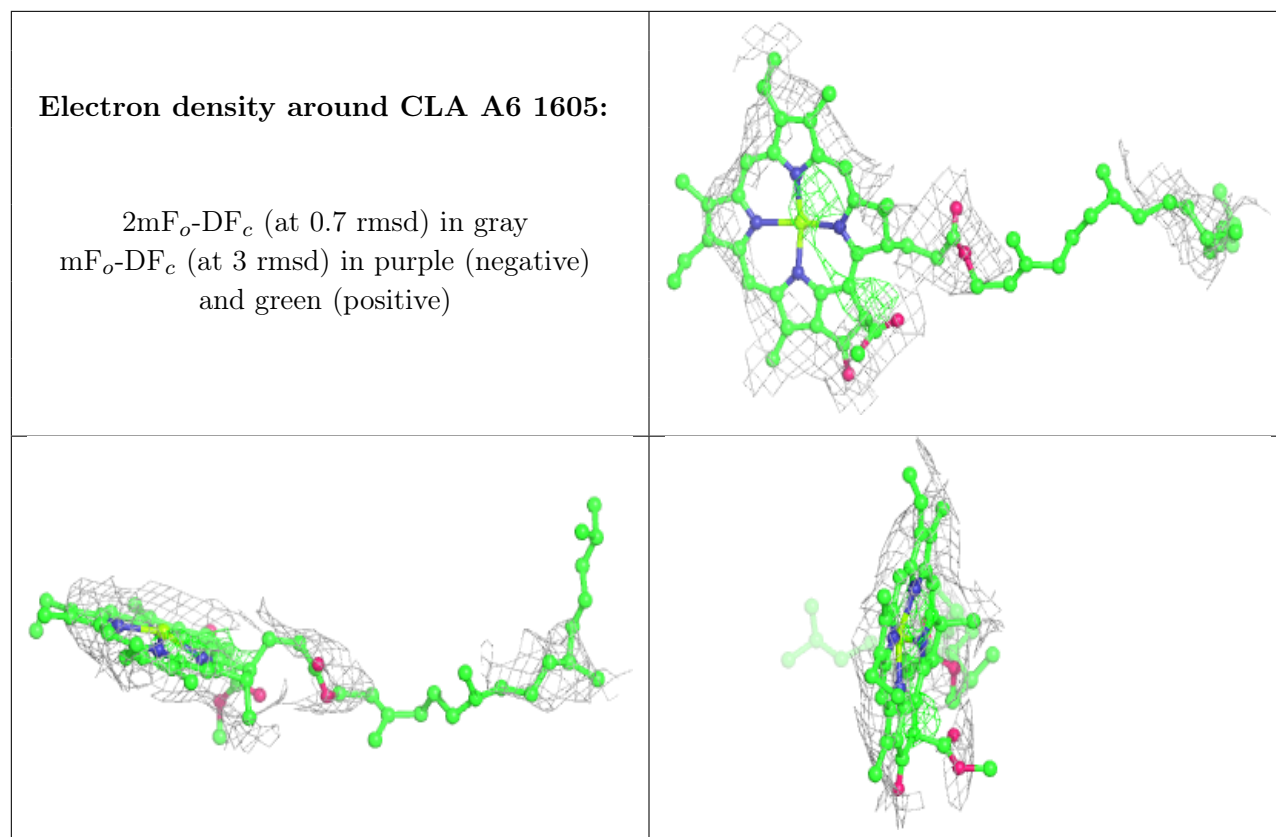




**Electron density around CLA B2 807:**

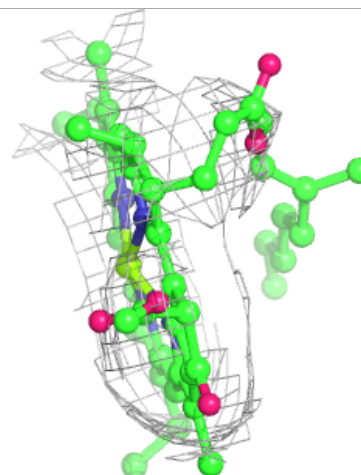
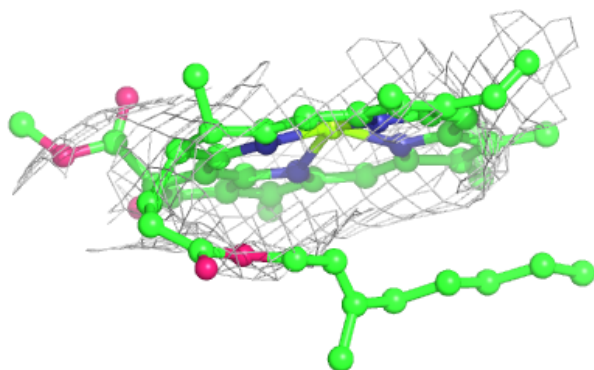
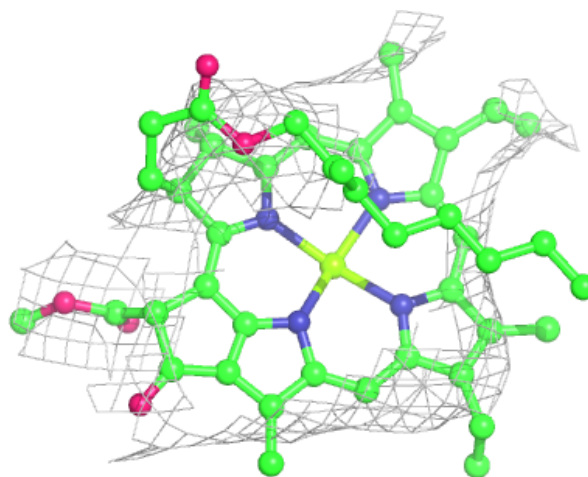
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





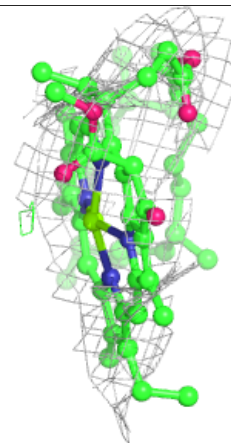
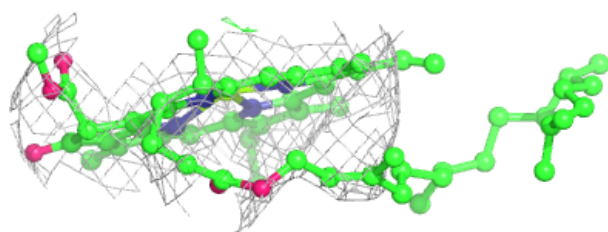
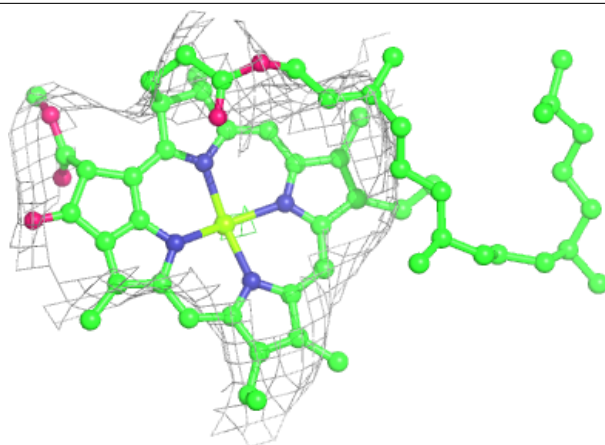
**Electron density around CLA A5 818:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

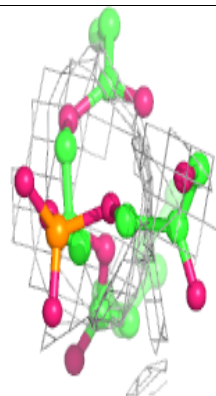
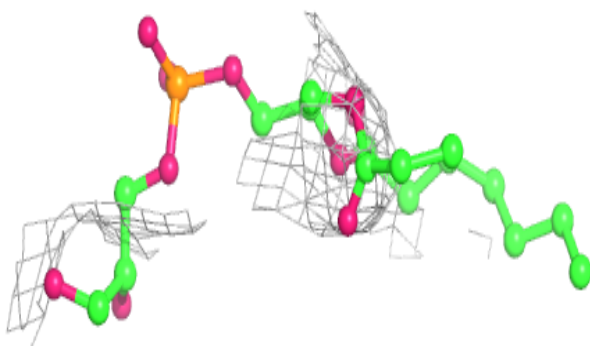
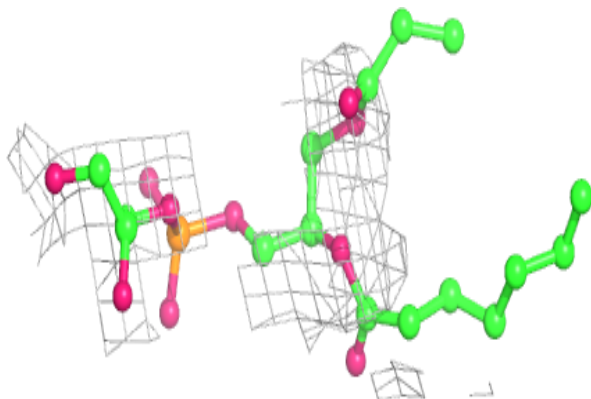


**Electron density around CLA A5 819:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

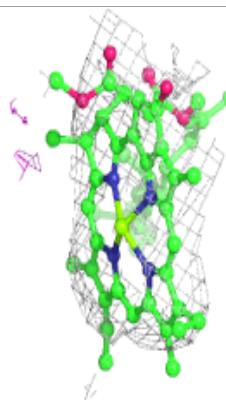
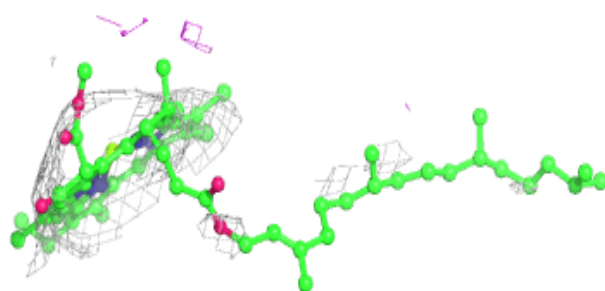
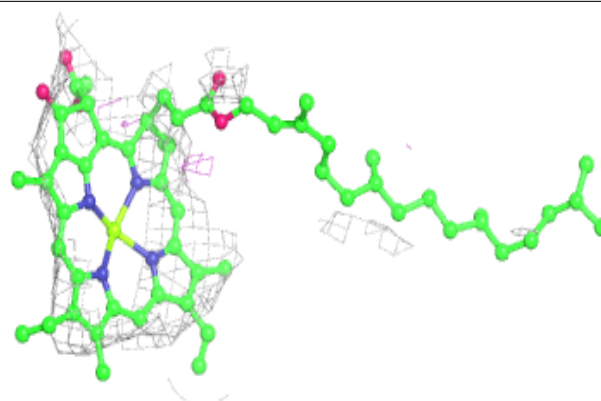
**Electron density around LHG A5 852:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

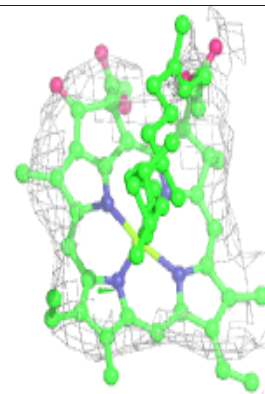
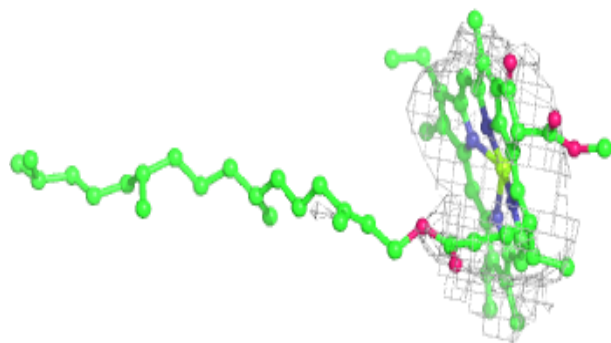
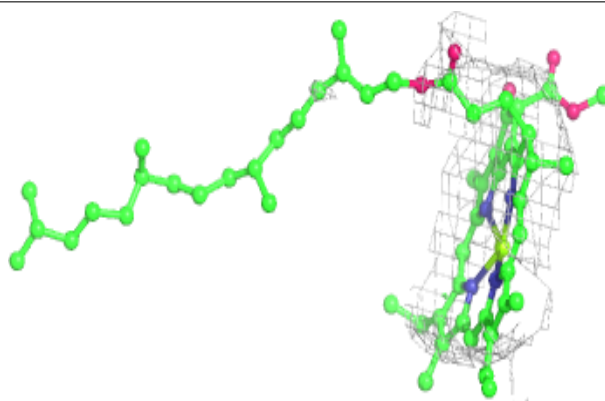


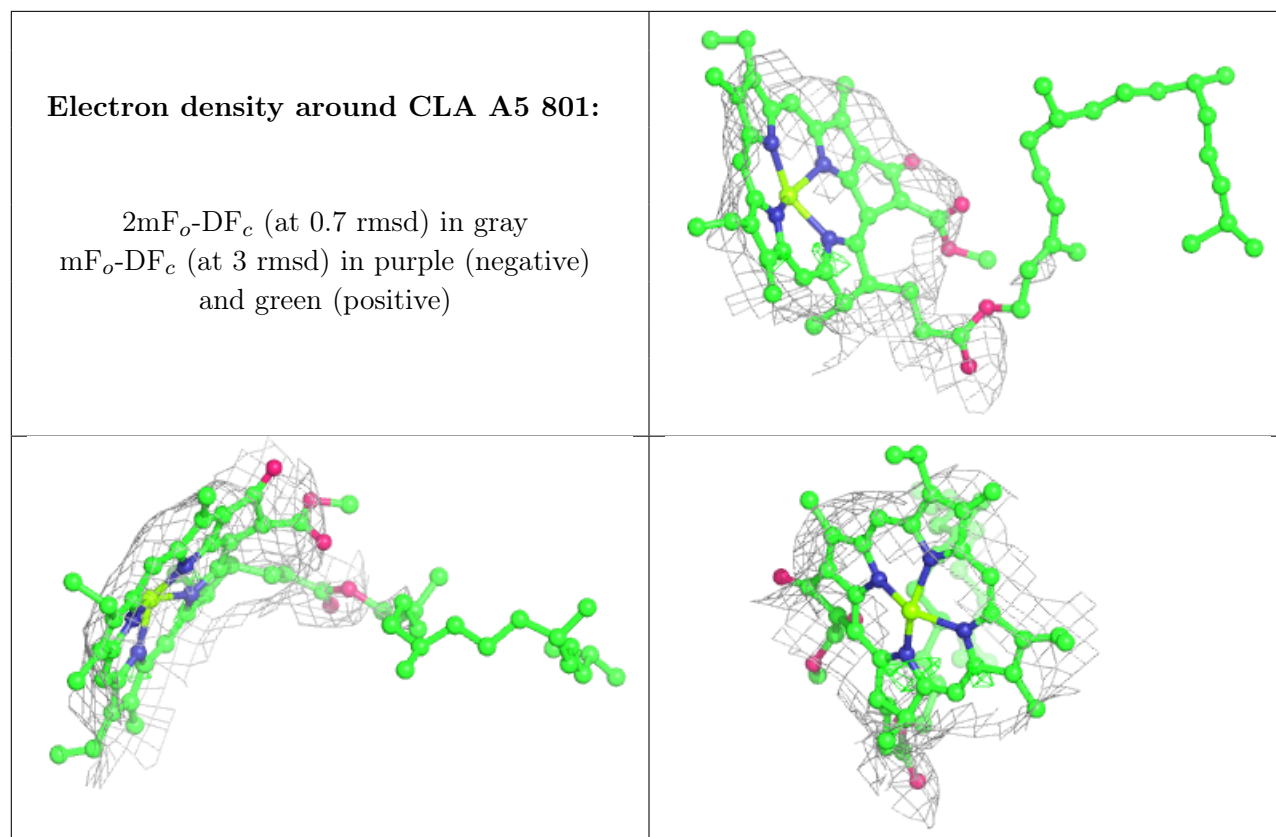
**Electron density around CLA A3 834:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

**Electron density around CLA B3 1831:**

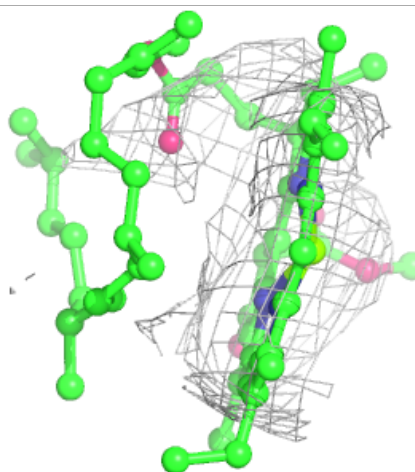
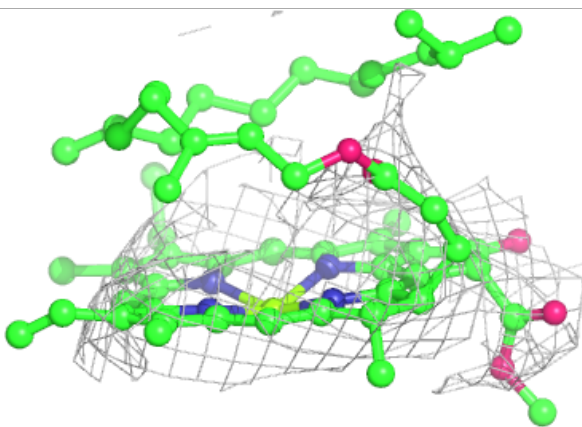
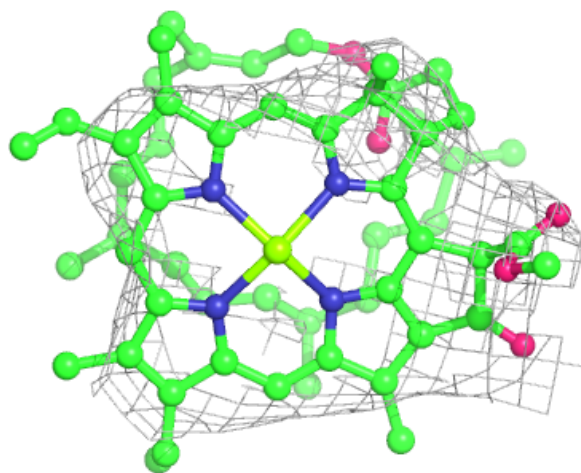
$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)





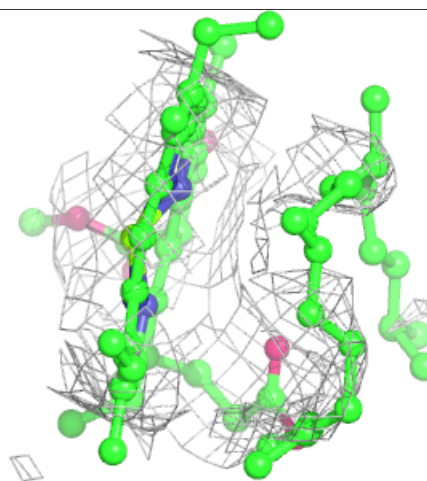
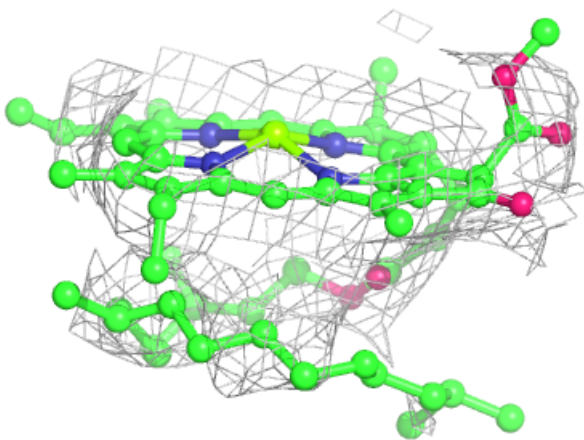
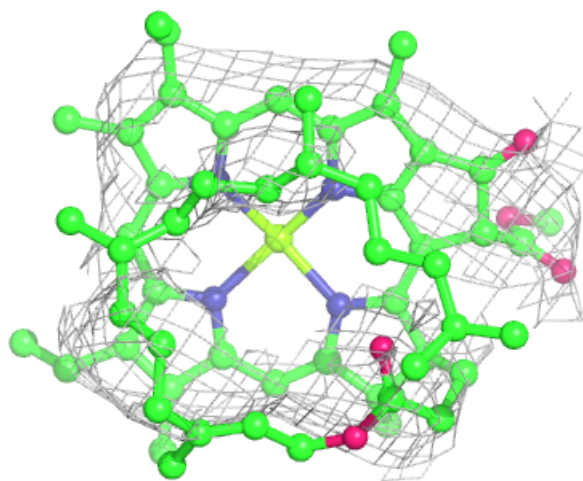
**Electron density around CLA L6 206:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)

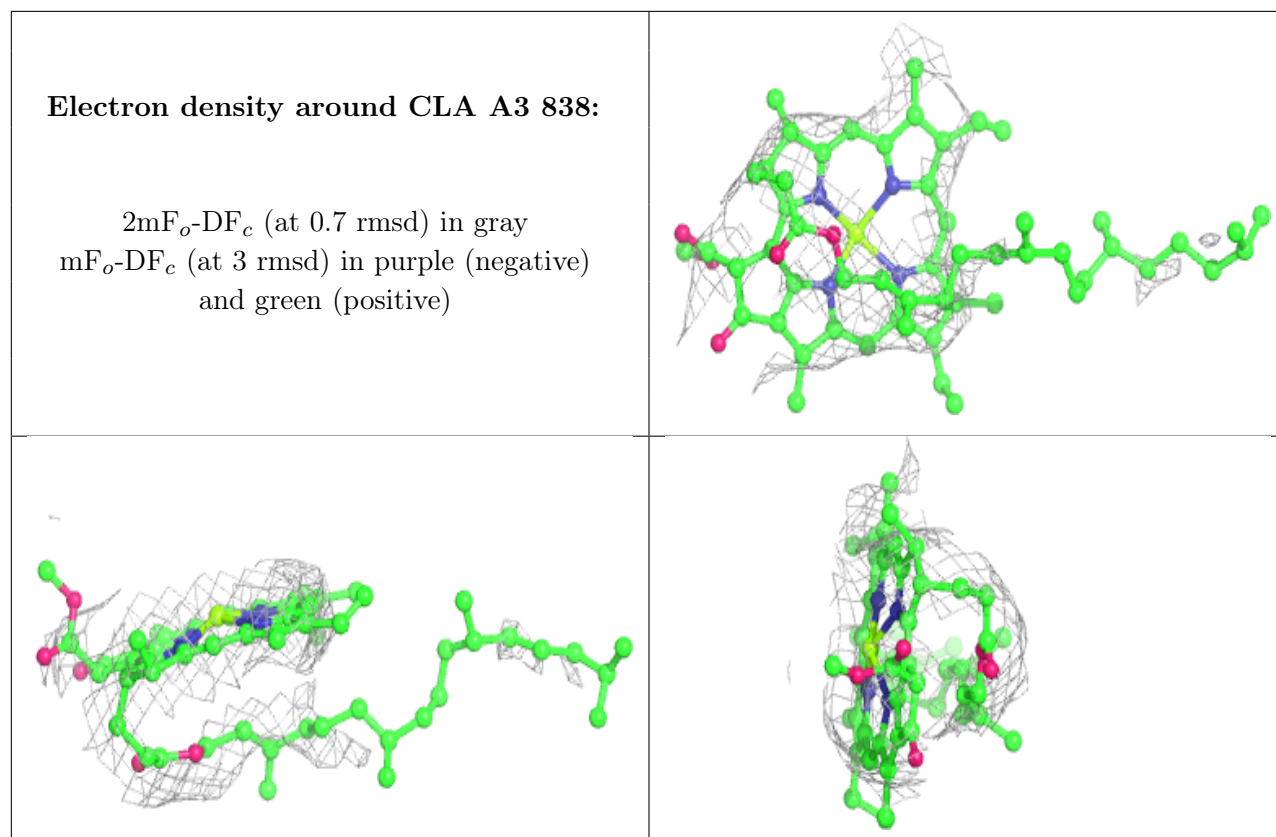


**Electron density around CLA L1 205:**

$2mF_o-DF_c$  (at 0.7 rmsd) in gray  
 $mF_o-DF_c$  (at 3 rmsd) in purple (negative)  
and green (positive)







## 6.5 Other polymers [i](#)

There are no such residues in this entry.